Bombardier Recreational Products

BRP US Inc.
Technical Publications
P.O. Box 597
Sturtevant, WI 53177
Telephone (800) 888-4662
www.brp.com

ESSENTIAL SERVICE LITERATURE

Bulletin Set (2006 to 2010), P/N 5008798

Dear *Evinrude*/*Johnson* Dealer:

This Bulletin Set contains all the bulletins published and released by BRP from 2006 through 2010. A Bulletin Index is included with this set to assist in searching for specific bulletins.

Authorized dealers are responsible for managing the distribution of bulletins to all employees. Follow the instructions and information contained in each bulletin.

The DEALER, as part of the distribution chain, CARRIES A RESPONSIBILITY IN MAKING SURE THE CUSTOMER IS NOTIFIED of any safety related concern and that it is properly corrected. Failure to do so may involve the dealer in the event of an accident.

Keep and maintain a master file of bulletins in a binder for all employees to reference as required. When a new bulletin is issued, be sure to add it to the set in order to keep the bulletin set up-to-date.

Log on to the *DealerPort* (www.dealerport.com) or *BOSSWeb* (www.bossweb.brp.com) websites to view bulletins at anytime.

Sincerely,

Technical Publications Group
Evinrude North American Division

BULLETIN SET (2006 TO 2010)

5008798

BULLETINS

Dealership personnel should be familiar with new bulletins and fully understand how each bulletin applies to the products within the dealership organization. Dealers are responsible to complete any procedure or instruction outlined in a bulletin prior to the delivery of the product. Be sure to route bulletins to the appropriate personnel in your dealership, especially all Safety Campaigns or EPA Campaigns which may affect product performance, emissions, or operator safety.

BULLETIN CATEGORIES

Each bulletin category has a defined purpose:

ADMINISTRATIVE

Administration, policy, and procedures generally related to service and warranty.

PARTS AND ACCESSORIES

Information related to parts and accessories that is not necessarily specified in other service literature such as a Service Manual.

PREDELIVERY

Information related to installation procedures and predelivery checklists.

SERVICE

Service related information that does not necessarily pertain to product warranty. Communicates technical information for service or repair.

WARRANTY

Service related information that would be covered under the product's limited warranty. Safety and EPA Campaigns will be clearly identified.

BULLETIN NUMBERING

Bulletins have a unique identifying number, consisting of the year of publication, sequential bulletin number, and bulletin category. All three components comprise the bulletin number.

2010 - 01 (A)

Year — Number — Category

A = Administrative
P = Parts & Accessories
D = Predelivery
S = Service
W = Warranty

BULLETIN DISTRIBUTION

Bulletins are distributed by mail as required. Bulletins are also available to view on the *DealerPort* (www.dealerport.com) and *BOSSWeb* (www.bossweb.brp.com) websites. Additional copies can be printed from *DealerPort* or *BOSSWeb* as needed.

2006 – 2010 Bulletin Index

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2007 *Evinrude E-TEC* 60°V6 150–200 HP "F" Suffix Models	Engine Software Update	2006-03(W)
2006 *Evinrude E-TEC* 40DRLSD (40 HP Rope Start TIller Models with or without an electric start kit added)	Start in Gear *** Safety Campaign ***	2006-04(W)
2004–2007 Model Year 40–90 HP *Evinrude E-TEC* Outboards	Fuel Filter Replacement *** Safety Campaign ***	2006-05(W)
2007 *Evinrude E-TEC* 60°V4 115 HP Models	Engine Software Update	2006-06(W)
2006 and 2007 Model Year *Johnson* ® 4-Stroke 2.5 HP	Water Pump	2006-07(W) Rev. 1
2007 *Evinrude E-TEC* 90°V6 200-250 HP	Engine Software Update	2007-01(W)
2008 *Evinrude E-TEC* 90°V6 225-250HP Outboards and Certain Replacement Powerheads (3.3 L)	Engine Software Update	2008-01(W)
2008 *Evinrude E-TEC* 90°V6 250HO and 300HP (3.4 L)	Temperature Sensor(s) and Clamp Service	2008-02(W)
2008 *Evinrude E-TEC* 90°V6 (3.4 L) 300HP Outboards	Engine Software Update	2008-03(W)
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2008/2009 *Evinrude E-TEC* 90°V6 (3.4 L) 250 H.O. and 300HP Outboards	Engine Software Update	2008-06(W)

2008–09 *Evinrude E-TEC* 40 –, 60 HP DTL (tiller electric) below serial number 5253702; and, 2004 to 2009 40 – 115 HP *Evinrude E-TEC* with an installed tiller kit	Start Switch Repair *** Safety Campaign ***	2008-07(W)
2009 *Evinrude E-TEC* 25-30 HP DPL and DEL outboard models below serial number 8751149	Start in Gear *** Safety Campaign ***	2009-01(W)
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2008-2010 *Evinrude E-TEC* 40 – 90 HP from serial number 5234342 to 5261350 and service replacement vapor separator, P/N 5007661	Vapor Separator Repair *** Safety Campaign ***	2009-03(W)
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2010 *Evinrude E-TEC* 90°V6 (3.3 L) 225 HP (H.O. models) and (3.4 L) 250 HP (H.O. models) and 300 HP Outboards	Fuel Injector Replacement	2009-05(W)
2010 *Evinrude E-TEC* 75 HP, 90 HP, 115 HP and 130HP Outboards	Trim and Tilt Hydraulic Assembly Replacement	2010-01(W)
2010 *Evinrude E-TEC* 115 HP, 130 HP, 150 HP, 175 HP, 200 HP, 225 HP, 250 HP and 300 HP Outboards	Oil Pump Assembly Replacement and Oil Hose Routing SECOND NOTICE	2010-02(W)
2009 and 2010 *Evinrude E-TEC* 15 HP, 25 HP, 30 HP, 40 HP, 65 HP, and 2009 *Evinrude* 55 HP MFE Outboards	Fuel Hose and Primer Bulb Assembly Replacement *** EPA Campaign ***	2010-03(W)
2010 *Evinrude E-TEC* 40 - 90 HP and 2011 *Evinrude E-TEC* 40 - 90 HP	Incorrectly Installed Clamps on Fuel Hoses *** Safety Campaign ***	2010-04(W) Rev. 2
2011 *Evinrude E-TEC* 200 HP–250 HP 90° V6 (3.3 L) Outboards	Shift Lever Cam	2010-05(W)
2011 *Evinrude E-TEC* 15 HP, 25 HP, and 30 HP Outboards	Shift Lever Screws	2010-06(W)
This bulletin was NOT issued.		2010-07(W)
2010 and 2011 Evinrude E-TEC 115-300 HP Outboards	Starter Drive Gear Engagement	2010-08(W)
2011 *Evinrude E-TEC* 15 HP, 25 HP, and 30 HP Outboards	Engine Software Update *** EPA Campaign ***	2010-09(W)

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EVINRUDE® Johnson® BRP

OUTBOARDS

ADMINISTRATIVE Bulletin

Date: February, 2006 **No.** 2006-01(A)

SUBJECT: Consumer-Purchased FPC Extended Service Contracts

Dear *Evinrude*®/*Johnson*® Dealers:

This communication is to notify North American dealers that consumers who purchased outboards covered by the First Protection Company (FPC) Extended Service Contract must **first obtain approval from FPC before** any service contract repairs are performed.

Model Year 2002/2003 outboards are the first models affected by FPC Extended Service Contract coverage. FPC coverage of these outboards takes effect in 2006.

IMPORTANT: The FPC Extended Service Contract plan is not administered by BRP US Inc. or Bombardier Recreational Products Inc.

What You Should Do

Customers with outboards covered by the FPC Extended Service Contract must have FPC approval to complete any repairs which may be covered by the service contract. Repairs must be performed at FPC-approved service center or dealership.

Dealers must contact FPC to obtain approval:

- 1-800-328-8690

Additional Information

IMPORTANT: DO NOT CALL BRP. BRP is not responsible for any repairs performed after the expiration of the the Bombardier Recreational Products Limited Warranty printed in the Operator's Guide.

FPC Extended Service Contract programs differ over model years and model line-ups. Check with FPC first before performing any repairs which may be covered by the service contract.

An example of a consumer-purchased FPC Extended Service Contract is included with this bulletin.

For coverage specific to a model, refer to the FPC contract mailed to all customers who have this coverage.

EXAMPLE OF MARINE SERVICE AGREEMENT

OUTBOARD ADDENDUM "O/B"

$25.00 deductible per repair visit.

THIS ADDENDUM IS NOT AN INSURANCE POLICY, IT IS AN AGREEMENT BETWEEN YOU AND US AND APPLIES ONLY TO THE SPECIFIC COMPONENTS DESCRIBED HEREIN.

OUTBOARD ADDENDUM: WHAT THIS AGREEMENT COVERS

This Outboard Addendum "O/B" which is attached to **Your Agreement**, hereby extends that **Agreement** to include protection for the listed parts of the following component groups.

Outboard and Jet Drive Outboard Motors Covered Components:

Engine: Internally lubricated parts contained within the block, to include: pistons, piston rings and pins, main bearings and rod bearings, crankshaft, connecting rods, camshaft, camshaft bearings, valves, valve springs, guides and seats, intake manifold, reeds and reed blocks. Timing chain, gears and/or belt, flywheel. Seals and gaskets of a covered part if defective.

Engine head(s), engine block and/or cylinder barrels, only if damaged beyond repair as a result of a **Mechanical Breakdown** of one of the above covered parts.

Lower Unit: Internally lubricated parts within the gear case to include: forward gear, reverse gear, pinion gear, clutch dog, dog pin, cam follower, prop shaft, drive shaft, bearing carriers, bearings, shims. (Gear housing if damaged beyond repair by a covered component). Seals and gaskets of a covered part if defective.

Jet Drive: Internally lubricated parts contained within the pump housing to include: drive shafts, shaft bearings, shaft coupler, flex disc. Seals and gaskets of a covered part if defective. (Housing only if damaged beyond repair by a covered component). Note: Does not include jet impellers.

Ignition: Power pack/switch box, amplifier, ignition trigger coil and ignition high output coil, spark plug wires.

Electrical: Alternator/stator, voltage regulator/rectifier, engine mounted terminal blocks, engine mounted wiring harness, OEM ignition switch, starter motor, starter armature, starter field windings, starter magnets, brush holders and brushes, end caps and bushings, starter drive, starter solenoid.

Power Trim and/or Tilt: Trim and/or tilt motor, trim cylinders, cylinder rams, cylinder mounts and pivots, trim motor actuator solenoids, control valves, reverse lock valve, pump, trim and/or tilt wiring harness, trim and/or tilt master control switches, trim limit switch, trim position sender. Manual trim cylinder, manual trim cables. Seals and gaskets of a covered part if defective.

Manual Steering: Control helm assembly, control rack and yoke assembly, power steering pump, power steering cylinder, steering wheel, steering wheel mounting hub. (Excludes cables). Seals and gaskets of a covered part if defective. (Main Station Only).

Hydraulic Steering: Hydraulic steering head, hydraulic steering lines, hydraulic steering cylinder, hydraulic steering flow valves, steering yoke. (Excludes cables). Seals and gaskets of a covered part if defective. (Main Station Only).

Controls: Shift and throttle control box parts to include: cams, eccentrics, shafts, pivots, bushings, housing, control arms/levers and knobs, neutral safety switch. Shift control cable, throttle control cable (Main Station Only, Does not cover electronic controls).

Fuel delivery: Fuel delivery pump (mechanical/diaphragm), carburetor body, air box (silencer), electric choke solenoid (enrichener). Electronic fuel injector delivery pumps (high and low pressure), fuel injectors, fuel rails, fuel distributors, ECU module, throttle position sensor, manifold air temperature sender, idle speed control, mass air flow sensor, detonation/knock sensor, ignition pickup sensor. Seals and gaskets of a covered component if defective.

Oil Injection System: Oil injection pump, oil pump drive gear, oil pump drive shaft, oil tank, oil tank cap, oil level sensors, oil level warning horn and lights, oil injection lines, oil injection check valves, oil injection metering system.

Hoist/Lift Out: In the event of a **Mechanical Breakdown** caused by a covered part or component listed in this **Agreement,** or a covered engine or hull manufacturer's warranty repair that necessitates hoist/lift out to perform the repair, **You** will be reimbursed for hoist/lift out charges of $3.00 per foot of hull length up to a maximum of $100.00 (With no deductible) per covered **Mechanical Breakdown**. Any reimbursement shall be for actual hoist/lift out charges in excess of any applicable reimbursement from the manufacturer, towing service contract or any insurance company.

Towing Provision: In the event of a **Mechanical Breakdown** caused by a covered part or component listed in this **Agreement**, or a covered engine or hull manufacturers warranty repair that necessitates on-water/over-the-road towing. **You** will be reimbursed for reasonable on-water/over-the-road towing charges up to $100.00 (with no deductible) per occurrence. Any reimbursement shall be for actual towing charges in excess of any applicable reimbursement from the manufacturer, towing service contract or any insurance company. Towing must be performed by a valid marine towing company or marine service facility.

EXCLUSIONS: THESE SERVICES ARE NOT COVERED

This Agreement provides only the benefits specified and does not cover:

1. Damage caused by continued use when a failure is detected or not securing a timely repair of the failed part. **Mechanical Breakdown** that exists at the time of retail sale, whether or not the **Mechanical Breakdown** would be addressable by the **Agreement**. Any loss occurring while item is covered by manufacturer's or supplier's express warranty term, or for which the manufacturer or supplier has announced a recall, factory modification notice, service bulletins or updated program (regardless of whether the manufacturer or supplier is still in business). Any parts, components or services not expressly listed herein, or any loss except as provided in this **Agreement**. Any incidental or consequential loss of any kind or any non-authorized and/or non-covered repairs. Any damage to an engine installed as a "Repower" replacement, resulting from the failure of a covered original power train component(s) which was not replaced at the time of the "Repower" including, but not limited to: drive unit and/or transmission, V-Drive, electrical components, etc.

2. Any failure resulting from water entering the engine via the carburetor/air intake or exhaust system. Any failure resulting from the failure of exhaust flapper valves, cracked and/or corroded exhaust manifolds and/or risers. Any failures of/or caused by bellows and/or boots, or damage to other parts/components caused by bellows and/or boots, seals or gaskets. (Damage to bellows and boots is usually caused by outside sources such as debris, rodents, etc. Damage to seals and gaskets are usually caused by wear or lack of maintenance).

3. Any loss occurring because of damage by accident, water freezing, overheating, corrosion, collision, theft, fire, vandalism, riot, explosion, lightning, earthquake, windstorm, hail, water or flood, competitive driving, racing, high performance motors and/or high performance applications, or parts. Any loss occurring because of abuse, negligence, contamination, deterioration, wear and/or tear, or duplicate failures of a covered component when covered under manufacturer or supplier part warranty (regardless of whether the manufacturer or supplier is still in business).

4. Any adjustments, tune ups, thermostats, internal carburetor parts, lines, hoses, belts or pulleys or failures resulting from improper or lack of maintenance or alignments. Any failure resulting from loose, rusted/corroded or broken mounting hardware (nuts, screws, and/or bolts). Any failure of/or damage resulting from water pump(s)/sea water pumps or impellers. Failures resulting from clogged filters, carburetors, or contaminated, dirty, improper or poor quality fuels and/or oils or failures to and/or resulting from the oil pump due to loss of respective fluids.

5. Any loss for any damage caused by overheating regardless of the cause of the overheating or damage by inadequate, improper, poor quality or dirty lubricants, fluids, coolants, oils, greases or fuels and/or fuel additives.

6. Any failures of/or caused by cracked heads and/or cracked blocks and/or cracked manifolds unless caused by the failure of a covered component listed in this **Agreement**. Burnt or scored pistons, stuck and/or carbonized rings. Piston failures caused by detonation, preignition, knock, ping, lean fuel mixture, overheating, improper timing or spark plug temperature or improper lubrication unless a result of a covered oil pump failure. Worn, stuck, burnt, tuliped or dished valves. Trim motors, starter motors and/or armatures or field coil assemblies, which are damaged from excessive cranking or condensation. Any loss resulting from reverse polarity or improper installation of battery, electrolysis or corrosion to electrical system.

7. Any cost for travel time, launch, blockage, storage, any tune up items, gases, sealants, adhesives, hazardous waste charges, miscellaneous or shop supplies. Any charges or costs due to difficult or unusual engine installations, any costs that the **Administrator** deem excessive due to poor or limited access caused by/or resulting from the lack of direct access panels designed for the sole purpose of providing entry for repair and/or maintenance of covered parts listed. Any labor rates in excess of posted shop labor rates, O.E.M. flat rate times (when available or nationally recognized flat rate schedule as determined by the **Administrator** when O.E.M. schedule is not available), or cost in excess of O.E.M. suggested retail parts prices.

8. Any jet drive component failure resulting from foreign debris and/or impeller failures.

9. Any betterment repair costs which are not necessary to correct the covered **Mechanical Breakdown**, but maybe recommended as part of the overall repairs. Any failures of, or caused by, shrouds, cowlings, fiberglass, or plastic parts.

10. Any watercraft that is used for commercial or competitive event.

11. Any liability for damage to property or personal injury arising from operation, maintenance or use of your watercraft, whether or not related to the parts covered by this **Agreement**.

12. Loss of any fluids or gases or failures of bulbs, fuses, ropes, cables, chains, pump and/or blower motors, or propeller loss for any reason.

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- ☐ Parts ☐

EVINRUDE® Johnson® BRP

OUTBOARDS

ADMINISTRATIVE Bulletin

Date: June, 2006

No. 2006-02(A)

SUBJECT: 2001–2005 Bulletin Set, P/N 5007148

Dear *Evinrude*®*/Johnson*® Dealer:

The 2001–2005 Bulletin Set, P/N 5007148, is available. Dealers can order as needed from *Evinrude/Johnson* Genuine Parts and Accessories.

Evinrude/Johnson Dealers are required to maintain an organized, up-to-date set of service publications, including service bulletins.

This complete set of bulletins (2001–2005) includes an updated contents listing and tabs pages to seperate bulletins by type: Administrative; Parts and Accessories; Predelivery; Service; and Warranty.

Bulletins are printed on 3-hole loose-leaf paper for assembly in a binder.

This bulletin set is available in English only.

Future bulletins will continue to be mailed to *Evinrude/Johnson* dealers as they are published.

Refer to the *DealerPort*® website for electronic viewing of *Evinrude/Johnson* bulletins.

2001–2005 Bulletin Set

353209

Please route to:

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EVINRUDE Johnson BRP

OUTBOARDS

ADMINISTRATIVE Bulletin

Date: August, 2006 **No.** 2006-03(A)

MODELS: 2007 *Evinrude*® and *Johnson*® Outboards

SUBJECT: In-Box Components

Evinrude E-TEC Models

In-line 2 Cyl.

E40DRLSUM (294639) blue 20" till/rope 232 lbs.
E40DPLSUM (294641) blue 20" elec 240 lbs.
E50DPLSUM (294643) blue 20" elec 240 lbs.
E60DPLSUM (294666) blue 20" elec 240 lbs.

- Operator's Guide, 40 DR models 215762
- Operator's Guide, remote models 215764
- Primer bulb & hose, 40 DR models 775635
- Transom mounting kit, 40 DR models .. 394219
- Propeller hardware kit 5005034
- Cap, transom screw (4) 318572
- Rope Ay, emergency start 378347
- EMM Oil Program Tag, XD 100 Oil 351520
- Wiper Nut, steering tube 337586
- Steering Connector kit, remote models . 173699
- Washer, cable (2), remote models 328702
- Clip, cable (2), remote models 333774
- Clamp, hose (18.5 mm) remote models . 346150
- Battery cables, electric start models 584348
- Grommet, Lower motor cover, remote .350500

In-line 3 Cyl.

E75DPLSUM (294645) blue 20" 320 lbs.
E90DPLSUM (294646) blue 20" 320 lbs.
E90DSLSUM (294674) white 20" 320 lbs.
E90DPXSUM (297646) white 25" "O" G/C 335 lbs.

- Operator's Guide 215766
- Propeller hardware kit, 20" models 5005034
- Propeller hardware kit, 25" models 434153
- Cap, transom screw (4) 318572
- Rope Ay, emergency start 378347
- EMM Oil Program Tag, XD 100 Oil 351520
- Wiper Nut, steering tube 337586
- Steering connector kit 175125
- Washer, cable (2) 328702
- Clip, cable (2) 333774
- Clamp, hose (18.5 mm) 346150
- Battery cables 584348
- Grommet, Lower motor cover 350500

60°V4 Models

E115DPLSUC (294698) blue 20" 375 lbs.
E115DSLSUC (294699) white 20" 375 lbs.
E115DBXSUC (297767) blue 25" "O" G/C 390 lbs.
E115DPXSUC (297698) white 25" "O" G/C 390 lbs.

- Operator's Guide 215770
- Propeller hardware kit, 20" models ... 5005034
- Propeller hardware kit, 25" models 434153
- Cap, transom screw (4) 318572
- EMM Oil Program Tag, XD 100 Oil 351520
- Decal, XD 100 Oil 352369
- Wiper Nut, steering tube 337586
- Steering connector kit 175125
- Washer, cable (2) 328702
- Clip, cable (2) 333774
- Clamp, hose (18.5 mm) 346150
- Clamp, hose (14.5 mm) 346785
- Clamp, Rigging tube (69.5 mm) 352868
- Battery cables 584348

Evinrude E-TEC Models (continued)

60°V6 Models

E150DPLSUC	(294702)	blue 20"	“O” G/C	418 lbs.
E150DPLSUF	(294702)	blue 20"	“O” G/C	418 lbs.
E150DSLSUC	(294704)	white 20"	“O” G/C	418 lbs.
E150DSLSUF	(294704)	white 20"	“O” G/C	418 lbs.
E150DHLSUC	(294705)	blue 20"	“L” G/C	418 lbs.
E150DHLSUF	(294705)	blue 20"	“L” G/C	418 lbs.
E150DBXSUF	(297768)	blue 25"	“M” G/C	433 lbs.
E150DPXSUC	(297702)	white 25"	“M” G/C	433 lbs.
E150DPXSUF	(297702)	white 25"	“M” G/C	433 lbs.
E150DCXSUC	(297703)	white 25"	“M” C/R	433 lbs.
E150DCXSUF	(297703)	white 25"	“M” C/R	433 lbs.
E175DPLSUF	(294706)	blue 20"	“O” G/C	418 lbs.
E175DSLSUF	(294708)	white 20"	“O” G/C	418 lbs.
E175DPXSUF	(297706)	white 25"	“M” G/C	433 lbs.
E175DCXSUF	(297707)	white 25"	“M” C/R	433 lbs.
E200DPLSUR	(294709)	blue 20"	“O” G/C	418 lbs.
E200DPLSUF	(294709)	blue 20"	“O” G/C	418 lbs.
E200DSLSUR	(294711)	white 20"	“O” G/C	418 lbs.
E200DSLSUF	(294711)	white 20"	“O” G/C	418 lbs.
E200DPXSUR	(297709)	white 25"	“M” G/C	433 lbs.
E200DPXSUF	(297709)	white 25"	“M” G/C	433 lbs.
E200DCXSUR	(297710)	white 25"	“M” CR	433 lbs.
E200DCXSUF	(297710)	white 25"	“M” CR	433 lbs.

- Operator’s Guide 215770
- Propeller hardware kit 434153
- Cap, transom screw (4) 318572
- EMM Oil Program Tag, XD 100 Oil 351520
- Decal, XD 100 Oil 352369
- Wiper Nut, steering tube 337586
- Steering connector kit 175125
- Washer, cable (2) 328702
- Clip, cable (2) 333774
- Clamp, hose (18.5 mm) 346150
- Clamp, hose (14.5 mm) 346785
- Clamp, Rigging tube (69.5 mm) 352868
- Battery cables 584348

90°V6 Models

E200DHLSUG	(294687)	blue 20"	“L” G/C	503 lbs.
E200DHLSUA	(294687)	blue 20"	“L” G/C	503 lbs.
E200HSLSUC	(294762)	white 20"	“L” G/C	518 lbs.
E200DHXSUC	(297756)	white 25"	“M” G/C	524 lbs.
E200HCXSUC	(297757)	white 25"	“M” CR	524 lbs.
E225DPLSUG	(294682)	blue 20"	“M” G/C	518 lbs.
E225DPLSUA	(294682)	blue 20"	“M” G/C	518 lbs.
E225DHLSUG	(294679)	blue 20"	“L” G/C	503 lbs.
E225DHLSUA	(294679)	blue 20"	“L” G/C	503 lbs.
E225DHXSUG	(297679)	blue 25"	“L” G/C	511 lbs.
E225DHXSUR	(297679)	blue 25"	“L” G/C	511 lbs.
E225DPXSUG	(297682)	white 25"	“M” G/C	524 lbs.
E225DPXSUA	(297682)	white 25"	“M” G/C	524 lbs.
E225DCXSUA	(297684)	white 25"	”M” CR	524 lbs.
E225DPZSUA	(298682)	white 30"	“M” G/C	530 lbs.
E225DCZSUG	(298684)	white 30"	“M” CR	530 lbs.
E225DCZSUA	(298684)	white 30"	“M” CR	530 lbs.
E250DPLSUA	(294685)	blue 20"	“M” G/C	500 lbs.
E250DPXSUG	(297685)	white 25"	“M” G/C	524 lbs.
E250DPXSUA	(297685)	white 25"	“M” G/C	524 lbs.
E250DCXSUG	(297686)	white 25"	“M” CR	524 lbs.
E250DCXSUA	(297686)	white 25"	“M” CR	524 lbs.
E250DPZSUG	(298685)	white 30”	“M” G/C	530 lbs.
E250DPZSUA	(298685)	white 30"	“M” G/C	530 lbs.
E250DCZSUA	(298686)	white 30"	“M” CR	530 lbs.

- Operator’s Guide 215772
- Propeller hardware kit 434153
- Cap, transom screw (4) 318572
- EMM Oil Program Tag, XD 100 Oil 351520
- Decal, XD 100 Oil 352369
- Wiper Nut, steering tube 337586
- Washer, cable (2) 328702
- Clip, cable (2) 333774
- Clamp, hose (18.5 mm) 346150
- Clamp, hose (14.5 mm) 346785
- Clamp, Rigging tube (69.5 mm) 352868
- Battery cables 584348

JOHNSON OUTBOARDS

Single Cyl.
(Not Sold In North America)

J2R4SUC (573761) white 15" tiller/rope 29 lbs.
- Operator's Guide 5036765
- Propeller (7.5x5) 5037361
- Shear pin 5030084
- Cotter pin 5037363
- Tool kit 5033044

J4R4SUM (573647) white 15" tiller/rope 55 lbs.
J4RL4SUM (574647) white 20" tiller/rope 57 lbs.
J5R4SUM (573648) white 15" tiller/rope 55 lbs.
J5RL4SUM (574648) white 20" tiller/rope 57 lbs.
J6R4SUR (573726) white 15" tiller/rope 55 lbs.
J6RL4SUR (574726) white 20" tiller/rope 57 lbs.
- Operator's Guide 5036767
- Propeller (7.5x6.5) 5034344
- Propeller nut 5030288
- Cotter pin 5030087
- Propeller washer 5030271
- Propeller spacer 5034342
- Transom bolt 5033468
- Transom bolt washer 5033287
- Transom bolt lock washer 5030069
- Transom bolt nut 5034185
- Transom bolt cap 5033498
- Tool kit 5030143

In-line 2 Cyl. (2-Stroke)

J10RSUR (573411) white 15" tiller/rope 74 lbs.
J10RLSUR (574411) white 20" tiller/rope 77 lbs.
J15RSUA (573414) white 15" tiller/rope 74 lbs.
J15RLSUA (574414) white 20" tiller/rope 77 lbs.
J15RTSUR (574414) white 15" tiller/rope 74 lbs.
- Operator's Guide 215758
- Primer bulb & hose ay 176998
- Thrust bushing 334590
- Clip and lanyard ay 398602
- Propeller Nut 318971
- Cotter pin 328522
- Thrust washer 323942
- Propeller ay (9.5x10) 9.9 HP..... 778772
- Propeller ay (9x11) 15 HP..... 778773
- Fuel tank (3.3 gallon) 9.9 HP 502365
- Fuel tank (6 gallon) 15 HP 177001

In-line 2 Cyl. (4-Stroke)

J10R4SUB (573634) white 15" tiller/rope 97 lbs.
J10RL4SUB (574634) white 20" tiller/rope 99 lbs.
J10TE4SUB (573635) white 15" tiller/elec 105 lbs.
J10TEL4SUB (574635) white 20" tiller/elec 107 lbs.
J10TBL4SUD (574667) blue 20" tiller/elec 107 lbs.
J10EL4SUM (574688) white 20" remote/elec 107 lbs.
J10BL4SUM (574764) blue 20" remote/elec 107 lbs.
J15R4SUB (573636) white 15" tiller/rope 97 lbs.
J15RL4SUB (574636) white 20" tiller/rope 99 lbs.
J15TE4SUB (573637) white 15" tiller/elec 105 lbs.
J15TEL4SUB (574637) white 20" tiller/elec 107 lbs.
J15EL4SUR (574731) white 20" remote/elec 107 lbs.
- Operator's Guide, R, RL, TE, TEL 5036769
- Operator's Guide, EL models 5036771
- Propeller (3x9¼x9) 5035384
- Propeller hardware kit 5033195
- Propeller nut 5032950
- Cotter pin 5032996
- Spacer washer 5030438
- Spacer 5033198
- Thrust washer 5033197
- Fuel hose & primer bulb ay 5037476
- Battery cable, TE,TEL,EL models 5036271
- Tool kit 5035550

V-Twin 2 Cyl.

J25R4SUR (573734)	white 15" tiller/rope	214 lbs.
BJ25R4SUC (573734)	white 15" tiller/rope	214 lbs.
J25RL4SUR (574734)	white 20" tiller/rope	214 lbs.
BJ25RL4SUC (574734)	white 20" tiller/rope	214 lbs.
J25TE4SUR (573732)	white 15" tiller/elec	214 lbs.
BJ25TE4SUC (573732)	white 15" tiller/elec	214 lbs.
J25TEL4SUR (574732)	white 20" tiller/elec	214 lbs.
BJ25TL4SUC (574732)	white 20" tiller/elec	214 lbs.
J25E4SUR (573733)	white 15" remote/elec	214 lbs.
BJ25E4SUC (573733)	white 15" remote/elec	214 lbs.
J25EL4SUR (574733)	white 20" remote/elec	214 lbs.
BJ25EL4SUC (574733)	white 20" remote/elec	214 lbs.

- Operator's Guide, R,RL,TE,TEL 5036773
- Operator's Guide, EL models 5036775
- Propeller (10¼x12) 5002109
- Propeller hardware kit 5032170
- Thrust washer 5037037
- Fuel tank 502366
- Fuel hose & primer bulb ay 775635
- Battery cable, TE,TEL,EL models 5036993
- Tool kit 5034724
- Steering link (remote) 5037085
- Seal, steering cable 5030840
- Bolts, transom 5037005
- Nuts, transom bolt 5030054
- Cap, transom bolt 5037004
- Washer, transom bolt 5037164
- Washer, transom bolt 5037006
- Cable grommet 5037126
- Clip 5030575
- Washer 5031080

In-line 3 Cyl.
(Not Sold In North America)

J30PL4SUA (574530)	white 20" remote/elec	212 lbs.
J30TEL4SUA (574528)	white 20" tiller/elec	216 lbs.

- Operator's Guide, TEL models 5036777
- Operator's Guide, PL models 5036779
- Propeller (10¼x12) 778704
- Propeller hardware 5032170
- Prop bushing stop 5032104
- Fuel hose & primer bulb ay 775635
- Battery cable 5032683
- Steering link, PL models 5032200
- Seal, steering cable, PL models 5030840
- Bolts, (4) transom 5030385
- Nuts (4), transom bolt 5031221
- Cap (4), transom bolt 5030839
- Washer (4), transom bolt 5030436
- Washer (4), transom bolt 5036480
- Tool kit 5034724
- Cable grommet, PL models 5032189
- Cable stopper, PL models 5031593
- Cable clamp, PL models 5030589
- Bolt, cable stopper, PL models 5031121
- Clip (2), PL models 5030575
- Washer (2), PL models 5031080

Please route to:
Init.
Service
Sales
Parts

EVINRUDE Johnson BRP

OUTBOARDS

ADMINISTRATIVE Bulletin

Date: October, 2006 **No.** 2006-04(A)

MODELS: *Evinrude*® *E-TEC*® and *Evinrude*® Direct Injection

SUBJECT: *EMM* Software Updates and Warranty Allowance Requests

Dear *Evinrude/Johnson*® Dealer:

This communication is to inform *Evinrude* and *Johnson* dealers of requirements related to *EMM* software updates and warranty allowance requests.

When updating software on *Evinrude E-TEC* and *Evinrude* Direct Injection outboards remember to:

- Use the *Evinrude Diagnostics* program to save "engine reports" for all outboards.
- Verify and record *EMM* software versions (part numbers) and revision (PCN) numbers **prior** to performing updates.
- Document all software changes on specific outboards.
- Save engine reports with the outboard's service records.

Use the following customer comment code, failing part number, and flat rate code on warranty allowance requests submitted for *EMM* software updates. All requests **must** be complete and include:

- Customer comment code – **238** (software revision)
- Failing part number – **8888885**
- Flat rate code – **EP10** (0.5 hours)
- Details of failure and correction **must** include:
  - Description of customer complaint
  - **original** software version (part number) and revision (PCN) number
  - **updated** software version (part number) and revision (PCN) number

DO NOT request other labor or parts on warranty allowance requests using this failing part number.

IMPORTANT: Do not use failing part number 8888885 if the *EMM* software update is being performed as a result of a specific warranty bulletin. Refer to the applicable warranty bulletin for unique failing part numbers related to specific warranty campaigns.

North American Dealers — Warranty allowance requests should be submitted "online" using the *DealerPort*® website.

Complete DealerPort Warranty Worksheet and keep at dealership with outboard's service records for future reference.

Worksheets can be downloaded from *DealerPort* website. See Engines/Evinrude/Forms.

Refer to example of DealerPort Warranty Work-Sheet on back of this bulletin.

3534211

DealerPort™

Warranty Worksheet

(For dealer records only. Do not submit.)

CLAIM NO. _____
(DealerPort will assign number)

DEALER SUPPORT SERVICES
250 Sea Horse Drive
Waukegan, Illinois 60085-4885

OWNER'S NAME, ADDRESS AND ZIP CODE	SERVICING DEALER'S NAME, ADDRESS AND ZIP CODE	DATE OF REQUEST
EXAMPLE		DATE OF INCIDENT
		DATE WORK PERFORMED
		HOURS USED
ENGINE MODEL AND SERIAL NUMBER	☐ ENTER 'X' IF THIS IS A REPEATED PART FAILURE CLAIM	
MAKE OF BOAT		LENGTH OF BOAT

CUSTOMER COMMENT CODE(S) (1 REQUIRED):	238					

GIVE DETAILS OF FAILURE AND CORRECTION (REQUIRED):

Original: software version 1234567, revision (PCN) 12345

Update: software version 7654321, revision (PCN) 54321

ONLY EVINRUDE/JOHNSON GENUINE PARTS MAY BE USED IN WARRANTY REPAIR

PART THAT CAUSED FAILURE
PART NUMBER (REQUIRED)
8888885

LABOR FLAT RATE CODES				
EP10				

WARRANTY REIMBURSEMENT MADE ONLY FOR PARTS LISTED BELOW.

LIST ALL PARTS USED IN REPAIR

QTY	PART NUMBER	PART NAME		QTY	PART NUMBER	PART NAME

REQUIRED -- CIRCLE 'Y' FOR YES OR 'N' FOR NO FOR EACH QUESTION:

Y | N - DID WARNING HORN SOUND?
Y | N - DID ENGINE STOP RUNNING IMMEDIATELY?
Y | N - DID ENGINE GO INTO S.L.O.W.™ MODE?
Y | N - DID ENGINE EXHIBIT REDUCED DRIVABILITY/MISFIRE?

OWNER'S SIGNATURE (SIGNATURE REQUIRED ON WORK ORDER)	DEALER'S SIGNATURE

HOLD ALL PARTS FOR 90 DAYS PENDING FACTORY RECALL

Please route to:
Init.
Service
Sales
Parts

EVINRUDE Johnson BRP

OUTBOARDS

ADMINISTRATIVE Bulletin

Date: April, 2007

No. 2007-01(A)

MODELS: All 2008 *and newer Evinrude*® and *Johnson*® Outboards

SUBJECT: Change in Warranty Registration Requirements and Date of Delivery

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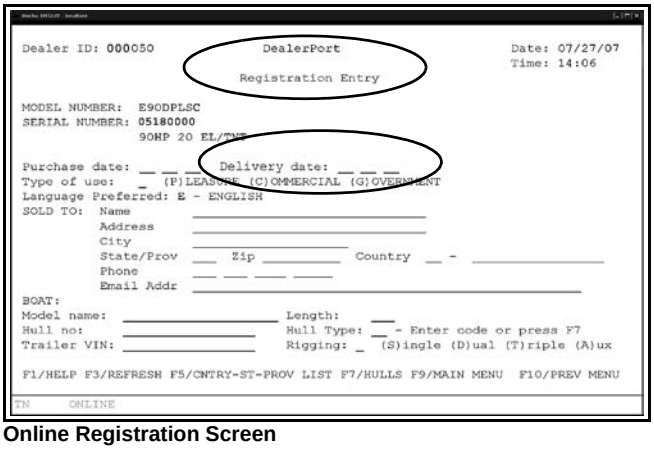
Dear *Evinrude/Johnson*® Dealer:

This communication is to inform *Evinrude* and *Johnson* dealers of requirements related to outboard warranty registrations.

Date of Delivery

BRP US Inc. **requires** every outboard to be registered within 3 days of the date of delivery to retail customer. A "Date of Delivery" line has been added to the online warranty registration fields and warranty registration cards.

All dealers must include the date of delivery in the warranty registration for 2008 and newer *Evinrude* and *Johnson o*utboards. The date of delivery will be used to determine the warranty start date.

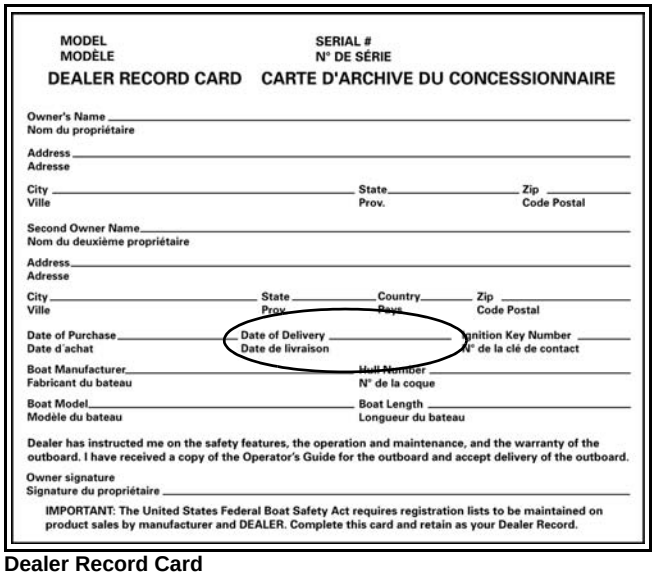


Online Registration Screen

Dealer Record Cards

Dealer Record Cards must be completed and kept on file by all dealers. All cards must be signed by the customer at time of delivery.

IMPORTANT: Proper warranty documentation must be maintained by **all** dealers. Refer to the *Warranty Procedures Manual*.


MODEL
MODÈLE
SERIAL #
N° DE SÉRIE

DEALER RECORD CARD **CARTE D'ARCHIVE DU CONCESSIONNAIRE**

Owner's Name
Nom du propriétaire

Address
Adresse

City / Ville — State / Prov. — Zip / Code Postal

Second Owner Name
Nom du deuxième propriétaire

Address
Adresse

City / Ville — State / Prov. — Country / Pays — Zip / Code Postal

Date of Purchase / Date d'achat — Date of Delivery / Date de livraison — Ignition Key Number / N° de la clé de contact

Boat Manufacturer / Fabricant du bateau — Hull Number / N° de la coque

Boat Model / Modèle du bateau — Boat Length / Longueur du bateau

Dealer has instructed me on the safety features, the operation and maintenance, and the warranty of the outboard. I have received a copy of the Operator's Guide for the outboard and accept delivery of the outboard.

Owner signature
Signature du propriétaire

IMPORTANT: The United States Federal Boat Safety Act requires registration lists to be maintained on product sales by manufacturer and DEALER. Complete this card and retain as your Dealer Record.

Dealer Record Card

Refer to the image of the Warranty Registration/Dealer Record Card on the next page. A pre-printed card is included with the In-Box components of the outboard.

3537749

OWNER IDENTIFICATION CARD
CARTE D´IDENTIFICATION DU PROPRIÉTAIRE

Owner's Name _____
Nom du propriétaire

Address _____
Adresse

City _____ **State** _____ **Zip** _____
Ville **Prov.** **Code Postal**

Date of Delivery _____ **Country** _____
Date de livraison **Pays**

MODEL **SERIAL #**
MODÈLE **N° DE SÉRIE**

MODEL **SERIAL #**
MODÈLE **N° DE SÉRIE**

DEALER RECORD CARD **CARTE D'ARCHIVE DU CONCESSIONNAIRE**

Owner's Name _____
Nom du propriétaire

Address _____
Adresse

City _____ **State** _____ **Zip** _____
Ville **Prov.** **Code Postal**

Second Owner Name _____
Nom du deuxième propriétaire

Address _____
Adresse

City _____ **State** _____ **Country** _____ **Zip** _____
Ville **Prov.** **Pays** **Code Postal**

Date of Purchase _____ **Date of Delivery** _____ **Ignition Key Number** _____
Date d´achat **Date de livraison** **N° de la clé de contact**

Boat Manufacturer _____ **Hull Number** _____
Fabricant du bateau **N° de la coque**

Boat Model _____ **Boat Length** _____
Modèle du bateau **Longueur du bateau**

Dealer has instructed me on the safety features, the operation and maintenance, and the warranty of the outboard. I have received a copy of the Operator's Guide for the outboard and accept delivery of the outboard.

Owner signature
Signature du propriétaire _____

IMPORTANT: The United States Federal Boat Safety Act requires registration lists to be maintained on product sales by manufacturer and DEALER. Complete this card and retain as your Dealer Record.

(Print or Type) (Imprimez ou écrivez en caractères d'imprimerie)

SOLD TO
VENDU À

Name **Nom** **Last**

Name **Nom** **First** **Prenom** | **Name** **Nom** **Middle**

Address **Adresse**

City **Ville** | **State** **Prov.**

Zip **Code postal** | **Purchase Date** **Date d'achat**

Type of Use / Type d'application
☐ **Pleasure** **Plaisance** ☐ **Commercial** **Commerciale** ☐ **Government** **Gouvernement**

Delivery Date **Date de livraison**

Type of Purchase / Type d'achat
☐ **Original** **Original** ☐ **Re-power** **Re-alimente**

Owner's Phone **Tél. du propriétaire**

E-mail **Courriel**

SOLD BY
VENDU PAR

Name **Nom**

Address **Adresse**

City **Ville** | **State** **Prov.**

Zip **Code postal** | **Dealer Number** **N° de Concessionnaire**

Engine Registration Enregistrement du moteur | **Model # / N° de modèle** | **Serial # / N° de série**

Boat Manufacturer **Fabricant du bateau**
Model **Modèle**

Hull Number **N° de la coque**

P/N 352099 (REV C)

Warranty Registration / Dealer Record Card

Please route to:

Init.

- ☐ Service ☐
- ☐ Sales ☐
- ☐ Parts ☐

EVINRUDE® Johnson® BRP

OUTBOARDS

ADMINISTRATIVE Bulletin

Date: June 2007 **No.** 2007-02(A)

MODELS: 2008 *Evinrude*® Outboards **SUBJECT:** In-Box Components

Evinrude E-TEC Models

In-line/52.7 cu. in. 2 Cyl.

E40DRLSCB (294639)	blue 20" till/rope	232 lbs.
E40DTLSCS (294791)	blue 20" till/elec	250 lbs.
E40DPLSCB (294641)	blue 20" elec	240 lbs.
E40DSLSCS (294785)	white 20" elec	240 lbs.
E50DTLSCS (294792)	blue 20" till/elec	250 lbs.
E50DPLSCB (294643)	blue 20" elec	240 lbs.
E50DSLSCS (294786)	white 20" elec	240 lbs.
E60DTLSCS (294793)	blue 20" till/elec	250 lbs.
E60DPLSCB (294666)	blue 20" elec	240 lbs.
E60DSLSCS (294787)	white 20" elec	240 lbs.
E65WDRLSCS (294769)	blue 20" till/rope	240 lbs.
E65WDRYSCS (296769)	blue 22" till/rope	240 lbs.

- Operator's Guide, 40 DR models 215793
- Operator's Guide, 40-60 DT models.... 215826
- Operator's Guide, 65 WD models 215789
- Operator's Guide, remote models 215795
- Primer bulb & hose, DR/WD models ... 775635
- Transom mounting kit, DR models 394219
- Propeller hardware kit 5005034
- Propeller, WD models 763466
- Cap, transom screw (4) 318572
- Rope Ay, emergency start 378347
- EMM Oil Program Tag, XD 100 Oil 351520
- Wiper Nut, steering tube 337586
- Steering Connector kit, remote models 173699
- Washer, cable (2), remote models 328702
- Clip, cable (2), remote models 333774
- Clamp, hose (18.5 mm) remote models . 346150
- Grommet, Lower motor cover, remote. 350500
- Tiller kit, WD models 5007350
- Fuel tank connector, WD models..... 772681
- Fuel Tank, WD models 177001

In-line/79.1 cu. in. 3 Cyl.

E75DPLSCB (294645)	blue 20"	320 lbs.
E75DSLSCS (294788)	white 20"	320 lbs.
E90DPLSCB (294646)	blue 20"	320 lbs.
E90DSLSCM (294674)	white 20"	320 lbs.
E90DPXSCB (297646)	white 25"/"O" G/C	335 lbs.
E90WDELSCS (294735)	blue 20"/m tilt	320 lbs.
E90WDEXSCS (297735)	blue/25"/m tilt/"O" G/C	335 lbs.

- Operator's Guide 215797
- Propeller hardware kit, 20" models 5005034
- Propeller hardware kit, 25" models 434153
- Propeller, WDEL models 763463
- Propeller, WDEX models 763467
- Cap, transom screw (4) 318572
- Rope Ay, emergency start 378347
- EMM Oil Program Tag, XD 100 Oil 351520
- Wiper Nut, steering tube 337586
- Steering connector kit 175125
- Washer, cable (2) 328702
- Clip, cable (2) 333774
- Clamp, hose (18.5 mm) 346150
- Grommet, Lower motor cover 350500

3537750

Evinrude E-TEC Models (continued)

60°V4/105.4 cu. in. Models

E115DPLSCR (294698) blue 20" 375 lbs.
E115DSLSCR (294699) white 20" 375 lbs.
E115DBXSCR (297767) blue 25"/"O" G/C 390 lbs.
E115DPXSCR (297698) white 25"/"O" G/C 390 lbs.
E115DCXSCS (297784) white 25"/"O" C/R 390 lbs.

- Operator's Guide 215799
- Propeller hardware kit, 20" models ... 5005034
- Propeller hardware kit, 25" models 434153
- Cap, transom screw (4) 318572
- EMM Oil Program Tag, XD 100 Oil 351520
- Decal, XD 100 Oil 352369
- Wiper Nut, steering tube 337586
- Steering connector kit 175125
- Washer, cable (2) 328702
- Clip, cable (2) 333774
- Clamp, hose (18.5 mm) 346150
- Clamp, hose (14.5 mm) 346785
- Clamp, Rigging tube (69.5 mm) 352868
- Battery cables 584348

60°V6/158.2 cu. in. Models

E150DPLSCR (294702) blue 20" "O" G/C 418 lbs.
E150DSLSCR (294704) white 20" "O" G/C 418 lbs.
E150DHLSCR (294705) blue 20" "L" G/C 418 lbs.
E150HSLSCS (294790) white 20" "L" G/C 418 lbs.
E150DBXSCR (297768) blue 25" "M" G/C 433 lbs.
E150DPXSCR (297702) white 25" "M" G/C 433 lbs.
E150DCXSCR (297703) white 25" "M" C/R 433 lbs.
E175DPLSCR (294706) blue 20" "O" G/C 418 lbs.
E175DSLSCR (294708) white 20" "O" G/C 418 lbs.
E175DPXSCR (297706) white 25" "M" G/C 433 lbs.
E175DCXSCR (297707) white 25" "M" C/R 433 lbs.
E200DPLSCA (294709) blue 20" "O" G/C 418 lbs.
E200DSLSCA (294711) white 20" "O" G/C 418 lbs.
E200DPXSCA (297709) white 25" "M" G/C 433 lbs.
E200DCXSCA (297710) white 25" "M" CR 433 lbs.

- Operator's Guide 215799
- Propeller hardware kit 434153
- Cap, transom screw (4) 318572
- EMM Oil Program Tag, XD 100 Oil 351520
- Decal, XD 100 Oil 352369
- Wiper Nut, steering tube 337586
- Steering connector kit 175125
- Washer, cable (2) 328702
- Clip, cable (2) 333774
- Clamp, hose (18.5 mm) 346150
- Clamp, hose (14.5 mm) 346785
- Clamp, Rigging tube (69.5 mm) 352868
- Battery cables 584348

90°V6/200.1 cu. in. Models

E200DHLSCM (294687) blue 20" "L" G/C 503 lbs.
E200HSLSCM (294762) white 20" "L" G/C 518 lbs.
E200DHXSCR (297756) white 25" "M" G/C 524 lbs.
E200HCXSCR (297757) white 25" "M" CR 524 lbs.
E200HVLSCS (294782) white 20" "M" G/C 524 lbs.
E225DPLSCM (294682) blue 20" "M" G/C 518 lbs.
E225DHLSCM (294679) blue 20" "L" G/C 503 lbs.
E225HSLSCS (294783) white 20" "L" G/C 503 lbs.
E225DHXSCA (297679) blue 25" "L" G/C 511 lbs.
E225DPXSCM (297682) white 25" "M" G/C 524 lbs.
E225DCXSCM (297684) white 25" "M" CR 524 lbs.
E225DPZSCM (298682) white 30" "M" G/C 530 lbs.
E225DCZSCM (298684) white 30" "M" CR 530 lbs.
E250DPLSCM (294685) blue 20" "M" G/C 500 lbs.
E250DPXSCM (297685) white 25" "M" G/C 524 lbs.
E250DCXSCM (297686) white 25" "M" CR 524 lbs.
E250DPZSCM (298685) white 30" "M" G/C 530 lbs.
E250DCZSCM (298686) white 30" "M" CR 530 lbs.

- Operator's Guide 215801
- Propeller hardware kit 434153
- Cap, transom screw (4) 318572
- EMM Oil Program Tag, XD 100 Oil 351520
- Decal, XD 100 Oil 352369
- Wiper Nut, steering tube 337586
- Washer, cable (2) 328702
- Clip, cable (2) 333774
- Clamp, hose (18.5 mm) 346150
- Clamp, hose (14.5 mm) 346785
- Clamp, Rigging tube (69.5 mm) 352868
- Battery cables 584348

90°V6/210 cu. in. Models

E250DHLSCS (294759) blue 20" "L" G/C 507 lbs.
E250DHXSCS (297759) blue 25" "L" G/C 515 lbs.
E300DPXSCS (297743) white 25" "SLE" G/C 528 lbs.
E300DCXSCS (297760) white 25" "SLE" CR 528 lbs.
E300DPZSCS (298743) white 30" "SLE" G/C 534 lbs.
E300DCZSCS (298760) white 30" "SLE" CR 534 lbs.

- Operator's Guide 215801
- Propeller hardware kit 434153
- Cap, transom screw (4) 318572
- EMM Oil Program Tag, XD 100 Oil 351520
- Decal, XD 100 Oil 352369
- Wiper Nut, steering tube 337586
- Washer, cable (2) 328702
- Clip, cable (2) 333774
- Clamp, hose (18.5 mm) 346150
- Clamp, hose (14.5 mm) 346785
- Clamp, Rigging tube (69.5 mm) 352868
- Battery cables 584348

Please route to:

Init.

- ☐ Service ☐
- ☐ Sales ☐
- ☐ Parts ☐

EVINRUDE® Johnson® BRP

OUTBOARDS

ADMINISTRATIVE Bulletin

Date: November, 2007 **No.** 2007-03(A)

MODELS: All **SUBJECT:** *DealerPort* ® Enhancements

Dear *Evinrude* ®/*Johnson* ® Dealer:

This communication is to announce to *Evinrude* and *Johnson* dealers changes related to filing warranty allowance requests.

Effective December 9, 2007, the online Warranty Claims Menu will change as follows.

There are now two types of warranty claims:

Standard Claim: A claim for typical warranty repairs performed during the factory warranty period of an outboard.

Campaign Claim: A claim related to a specific warranty bulletin or safety campaign initiated by *BRP*.

North American Dealers — Most campaign claims may now be submitted online using the *DealerPort* website.

Complete a *DealerPort Warranty Worksheet* and keep at dealership with outboard's service records for future reference.

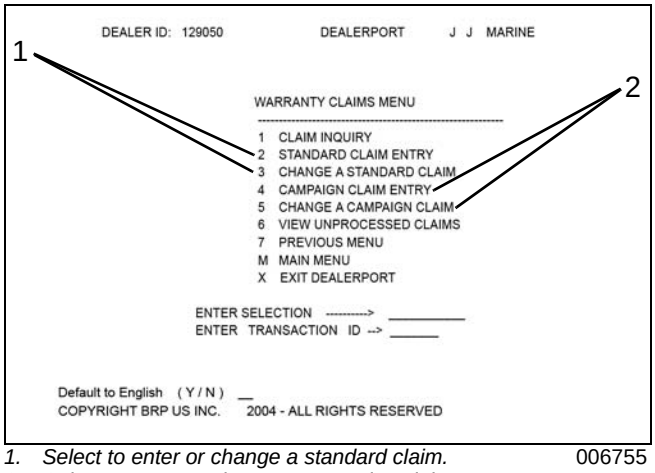
Worksheets can be downloaded from *DealerPort* website.

To download worksheet:

- Click on ENGINES link at top of page
- Then click *Evinrude*
- From the Documents list, select *Forms*
- Refer to *DealerPort Warranty Worksheet*

Log onto *DealerPort*.

- Click on DIS link at top of page
- Sign into the Dealer Information System (DIS).



1. Select to enter or change a standard claim. 006755
2. Select to enter or change a campaign claim.

For help with electronic claim entry:

- Click on ENGINES link at top of page
- Then click *Evinrude*
- From the Documents list, select *DealerPort*
- Refer to *DealerPort Help - Campaign Claim Entry* document

If the system will not allow entry of a campaign claim, refer to the warranty bulletin.

Debit reminder: Warranty Allowance Requests that are mailed in will be processed and may be charged a $10.00 (USD) service fee per claim.

Exceptions: Returned parts must be submitted with a claim. Parts and accessories claims.

EVINRUDE® Johnson® | BRP

OUTBOARDS
Administrative Bulletin
A

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: July 15, 2008 **No.** 2008-01(A)

MODELS: All *Evinrude*® *E-TEC*®

SUBJECT: *EMM* Replacement
Replaced by Administrative Bulletin 2009-02(A)

Dear *Evinrude*/*Johnson*® Dealers:

This communication is to inform *Evinrude*/*Johnson* dealers of the policies and procedures for the Warranty Replacement of *Evinrude E-TEC EMM*s.

NOTE: For outboards not in warranty, refer to Parts and Accessories Bulletin 2008-02(P).

Procedure for *EMM* Replacement

1) North American dealers MUST call Dealer Support Services (1-800-888-4662) for authorization before returning an *EMM* for warranty replacement. Dealers outside of North America must contact your regional office for authorization before returning an *EMM* for warranty replacement.

2) After receiving authorization, complete a warranty allowance request form, P/N 773629, and return it with the *EMM*. See "Sample Warranty Allowance Request" on page 2 for required information.

IMPORTANT: *EMM*s sent in without a claim, or *EMM*s or claims submitted without prior authorization will be returned. A $35.00 administrative fee will be charged to the dealer's account. A new claim must be submitted.

3) If unable to communicate with *EMM*, include the serial number of each fuel injector with its corresponding cylinder number. If upload problems were experienced (for example during injector replacement) send any disk(s) with *EMM*.

4) Package the *EMM* well. Damage caused from inadequate packaging is not covered by warranty. Send only the *EMM*, warranty allowance request, and disk(s) if applicable.

IMPORTANT: Send *EMM* only. Do not send *EMM* mounting screws or grommets. Parts other than the *EMM* and disk(s) will **NOT** be returned or replaced under warranty.

Shipping Information

U.S. Dealers ship to:

EMM Replacement Program
c/o After Sales Support
300 Sea Horse Drive, Dock 5
Waukegan, IL 60085

Canadian Dealers ship to:

Bombardier Recreational Products Inc.
Attn: Service Department
1789 Stenson Boulevard
Peterborough, ON Canada K9J7B6

North American Dealers -

*EMM*s will be returned UPS† ground prepaid. UPS NEXT DAY† requests will be charged to the dealer's UPS account number. UPS account number must be printed on claim.

UPS NEXT DAY C.O.D. is not available.

In-stock *EMM*s normally have a turnaround time of 24 hours from receipt (not including shipping).

BRP is not responsible for shipping delays once a package leaves its facility.

Dealers Outside North America -

Contact regional office.

This document can be viewed on the DealerPort™ website at www.dealerport.com

Sample Warranty Allowance Request

Claims that are missing **REQUIRED** information will not be processed and will be returned with the *EMM*.

EVINRUDE® | Johnson®

BRP US Inc.
DEALER SUPPORT SERVICES
PO Box 597
Sturtevant, WI 53177

WARRANTY ALLOWANCE REQUEST

CLAIM NO.

OWNER'S NAME ADDRESS AND ZIP CODE (REQUIRED)	SERVICING DEALER'S NAME-ADDRESS AND ZIP CODE (REQUIRED)	DATE OF REQUEST
Required	*Required* *Please include name of Service Technician*	*Required*
		DATE OF INCIDENT: *Required*
		DATE WORK COMPLETED: *Required*
		HOURS USED: *Required*

ENGINE MODEL AND SERIAL NO.	PURCHASE DATE	SERVICING DEALER'S CODE NO.
Required	*Required*	*Required*

"X" IF CLAIM IS A PARTS & ACCESSORIES CLAIM	"X" IF THIS IS A REPEATED PART FAILURE CLAIM	AUTHORIZATION NUMBER

CUSTOMER COMMENT CODE(S) (REQUIRED)

ADDITIONAL COMMENTS (REQUIRED)

Dealer UPS account number (if requesting Next Day return shipment).

Name of Dealer Support Representative and Authorization Number provided.

Detailed description of engine symptoms.

NOTE: GRAY SHADED AREAS FOR FACTORY USE ONLY DEALER FILL IN ALL OTHER.

SHIPPING INSTRUCTIONS

INVOICE NUMBER

RETURN ALL PARTS ☐

RETURN *PARTS ONLY ☐

ATTN

CHECK AMOUNT $

ONLY EVINRUDE/JOHNSON GENUINE PARTS MAY BE USED IN WARRANTY REPAIR

PART THAT CAUSED FAILURE

PART NUMBER	PART NAME	GROUP CODE	ACCT DEPT TIME ORDER NO.	FLAT RATE CODE	FLAT RATE TIME HRS.	FLAT RATE TIME THS.	FLAT RATE CODE	FLAT RATE TIME HRS.	FLAT RATE TIME THS.
Leave Blank	*Leave Blank*						*E127*		

WARRANTY REIMBURSEMENT MADE ONLY FOR PARTS LISTED BELOW.

LIST ALL PARTS USED IN REPAIR

PART NUMBER	PART NAME	QTY	PART NUMBER	PART NAME	QTY
Leave Blank	*EMM*	*1*			

EPA REQUIRED Circle "Y" for yes or "N" for no.

Y N Did warning horn sound?
Y N Did engine go into S.L.O.W.™ Mode?
Y N Did engine stop running?
Y N Did engine exhibit reduced drivability/misfire?

OWNER'S SIGNATURE (REQUIRED)	DEALER'S SIGNATURE	APPROVED DATE
	Required	

☐ **Claim Return - See Back of Claim**

RETAIN GREEN COPY SEND BALANCE OF SET TO FACTORY
USE TYPEWRITER OR PRESS HARD WITH BALL POINT PEN.

HOLD ALL PARTS FOR 90 DAYS PENDING FACTORY RECALL

P/N 773629 Rev. 6/04
DSS162

EVINRUDE Johnson | BRP

OUTBOARDS
Administrative Bulletin

A

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: December 22, 2008 **No.** 2008-02(A)

MODELS: 2009 *Evinrude®E-TEC®* Outboards

SUBJECT: In-Box Components, Full Throttle Operating Ranges, and Weights

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25 / 30 HP
5500 - 6100 RPM
35.1 cu. in. (576 cc), In-line, 2 Cyl.

E25DRSES (293779) blue 15"	tiller rope	150 lbs.
E25DRLSES (294779) blue 20"	tiller rope	154 lbs.
E25DTESES (293776) blue 15"	tiller elec	162 lbs.
E25DTELSCS (294776) blue 20"	tiller elec	166 lbs.
E25DELSES (294777) blue 20"	remote elec	160 lbs.
E25DPLSES (294778) blue 20	rem elec pt&t	181 lbs.
E25DTLSES (294809) blue 20"	tiller elec pt&t	187 lbs.
E30DRSES (293741) blue 15"	tiller rope	150 lbs.
E30DRLSES (294741) blue 20"	tiller rope	154 lbs.
E30DTELSES (294773) blue 15"	tiller elec	166 lbs.
E30DELSES (294774) blue 20"	remote elec	160 lbs.
E30DPLSES (294775) blue 20"	rem elec pt&t	181 lbs.
E30DTLSES (294810) blue 20"	tiller elec pt&t	187 lbs.

Operator's guide (English)	25-30 HP models	215753
Engine mounting hardware...	DR, DTE, DEL models	
Screw, mounting 5/16" X 4" (2)		334427
Washer, mounting (2)		315776
Nut, mounting (2)		310702
Engine mounting hardware...	DPL models	
Screw, mounting 1/2" X 4.75" (4)		336676
Washer, mounting (4)		320248
Nut, mounting (4)		313623
Washer, mounting (2)		307238
Plate, mounting (2)		318272
Cap, transom screw (4)		318572
Retainer, transom screw (2)		318273
Screw, retainer (4)		319886
Propeller thrust bushing		335420
Propeller hardware kit		175268
*Pin, cotter		320785
*Spacer, prop nut		323943
*Nut, prop		319891
Propeller 10 X 12		765050
EMM oil program tag, XD 100 Oil		351520
Wiper nut, steering tube		337586
Steering connector kit	DEL, DPL models	173699
Clip, control cable (2)	DEL, DPL models	333774
Washer, control cable (2)	DEL, DPL models	328702
Grommet, lower motor cover, upper		353818
Grommet, lower motor cover, lower		353819
Retainer, cable entry grommet		353550
Screw, retainer (2)		351152
Fuel tank		177001
Connector, fuel tank		772681
Fuel hose Ay		775635
Battery cables, 8' (6 ga.)		587012

40 / 50 / 60 HP
5000 - 6000 RPM
52.7 cu. in. (864 cc), In-line, 2 Cyl.

E40DRLSEE (294639) blue 20"	tiller rope	232 lbs.
E40DTLSEC (294791) blue 20"	tiller elec pt&t	250 lbs.
E40DPLSEE (294641) blue 20"	rem elec pt&t	240 lbs.
E40DSLSEC (294785) white 20"	rem elec pt&t	240 lbs.
E50DTLSEC (294792) blue 20"	tiller elec pt&t	250 lbs.
E50DPLSEE (294643) blue 20"	rem elec pt&t	240 lbs.
E50DSLSEC (294786) white 20"	rem elec pt&t	240 lbs.
E60DTLSEC (294793) blue 20"	tiller elec pt&t	250 lbs.
E60DPLSEE (294666) blue 20"	rem elec pt&t	240 lbs.
E60DSLSEC (294787) white 20"	rem elec pt&t	240 lbs.

Operator's guide (English)	40-60 HP models	215838
Transom mounting kit	DR models	394219
*Nut, 5/16" lock (4)		310702
*Pad (2)		315774
*Plate, transom		328594
*Screw #10 X 3/4" (4)		303776
*Screw 5/16" X 4" (4)		334427
*Tie strap		203360
*Washer, 5/16" flat (2)		309192
*Washer, 1.75" O.D. (2)		315776
Engine mounting hardware...	DTL, DPL, DSL models	
Screw, mounting 1/2" X 4.75" (4)		336676
Washer, mounting (4)		320248
Nut, mounting (4)		313623
Washer, mounting (2)		307238
Plate, mounting (2)		318272
Cap, transom screw (4)		318572
Retainer, transom screw (2)		318273
Screw, retainer (4)		319886
Propeller hardware kit		5005034
*Bushing, thrust		127084
*Pin, cotter		314502
*Spacer, prop nut		315810
*Nut, prop		314503
Rope ay, emergency start		378347
EMM oil program tag, XD 100 Oil		351520
Wiper nut, steering tube		337586
Steering connector kit	DPL, DSL models	173699
Washer, control cable (2)	DPL, DSL models	328702
Clip, control cable (2)	DPL, DSL models	333774
Clamp, hose (18.5 mm)	DPL, DSL models	346150
Grommet, lower cover	DPL, DSL models	350500
Fuel hose Ay	DR models	775635
Battery cables (6 ga./4 ga.)		587012/584348

This document can be viewed on the DealerPort™ website at www.dealerport.com

354350

65 Commercial / 55 MFE
5500 - 6000 RPM
52.7 cu. in. (864 cc), In-line, 2 Cyl.

E55MRLSER (294765) black 20"	tiller rope	250 lbs.
E55MJRLSER (294766) black 20"	tiller rope jet	270 lbs.
E65WDRLSEC (294769) blue 20"	tiller rope	240 lbs.
E65WDRYSEC (296769) blue 22.5"	tiller rope	247 lbs.

Operator's Guide (English)..65 WDR models ... 215840
Operator's Guide (English)...55 MFE models ... 215842
Transom mounting kit 55MRL, 55MJR models. 394219
- *Nut, 5/16" lock (4) ... 310702
- *Pad (2) ... 315774
- *Plate, transom ... 328594
- *Screw #10 X 3/4" (4) ... 303776
- *Screw 5/16" X 4" (4) ... 334427
- *Tie strap ... 203360
- *Washer, 5/16" flat (2) ... 309192
- *Washer, 1.75" O.D. (2) ... 315776

Propeller hardware kit..... 5005034
- *Bushing, thrust ... 127084
- *Pin, cotter ... 314502
- *Spacer, prop nut ... 315810
- *Nut, prop ... 314503

Propeller hardware kit..... 5005034
Propeller 13.5 X 15.....WDR models .. 763466
Propeller 13.75 X 13.....MRL models .. 763302
Rope ay, emergency start..... .. 378347
EMM oil program tag, XD 100 Oil..... .. 351520
Wiper nut, steering tube 337586
Fuel Tank .....WDR models .. 177001
Connector, fuel tank .....WDR models .. 772681
Fuel Hose Ay .....WDR models .. 775635

75 / 90 HP
4500 - 5500 RPM
79.1 cu. in. (1296 cc), In-line, 3 Cyl.

E75DPLSEE (294645) blue 20"	"S2" G/C	320 lbs.
E75DSLSEC (294788) white 20"	"S2" G/C	320 lbs.
E90DPLSEE (294646) blue 20"	"S2" G/C	320 lbs.
E90DSLSEB (294674) white 20"	"S2" G/C	320 lbs.
E90DPXSEE (297646) white 25"	"O" G/C	335 lbs.
E90WDELSEC (294735) blue 20"man. tilt	"S2" G/C	320 lbs.
E90WDEXSES (297735) white 25"man. tilt	"O" G/C	335 lbs.

Operator's Guide (English) 215844
Engine mounting hardware... .....see below
- Screw, mounting 1/2" X 4.75" (4) 336676
- Washer, mounting (4) 320248
- Nut, mounting (4)..... .. 313623
- Washer, mounting (2) 307238
- Plate, mounting (2)..... .. 318272
- Cap, transom screw (4)..... .. 318572
- Retainer, transom screw (2) 318273
- Screw, retainer (4)..... .. 319886

Propeller hardware kit, 20" models 5005034
Propeller hardware kit, 25" models 434153
Propeller, 13.25 X 17, WDEL models 763463
Propeller, 14.8 X 17, WDEX models 763467
Rope Ay, emergency start 378347
EMM Oil Program Tag, XD 100 Oil 351520
Wiper Nut, steering tube 337586
Steering connector kit 175125
Washer, control cable (2) 328702
Clip, control cable (2) 333774
Clamp, hose (18.5 mm) 346150
Grommet, Lower motor cover 350500
Battery cables 10' (4 ga.) 584348

115 / 130 HP
5500 - 6000 RPM
105.4 cu. in. (1727 cc) 60°V4

E115DPLSEF (294698) blue 20"	"S2" G/C	375 lbs.
E115DPLSEA (294698) blue 20"	"S2" G/C	390 lbs.
E115DSLSEF (294699) white 20"	"S2" G/C	375 lbs.
E115DSLSEA (294699) white 20"	"S2" G/C	390 lbs.
E115DBXSEF (297767) blue 25"	"O" G/C	390 lbs.
E115DBXSEA (297767) blue 25"	"O" G/C	405 lbs.
E115DPXSEF (297698) white 25"	"O" G/C	390 lbs.
E115DPXSEA (297698) white 25"	"O" G/C	405 lbs.
E115DCXSEF (297784) white 25"	"O" C/R	390 lbs.
E115DCXSEC (297784) white 25"	"O" C/R	405 lbs.
E115DHLSES (294771) blue 20"	"S2" G/C	390 lbs.
E115HSLSES (294772) white 20"	"S2" G/C	390 lbs.
E115DHXSES (297771) white 25"	"O" G/C	405 lbs.
E130DPLSES (294700) blue 20"	"S2" G/C	390 lbs.
E130DSLSES (294701) white 20"	"S2" G/C	390 lbs.
E130DPXSES (297700) white 25"	"O" G/C	405 lbs.
E130DCXSES (297789) white 25"	"O" C/R	405 lbs.

Operator's Guide (English) 215834
Engine mounting hardware... .....see below
- Screw, mounting 1/2" X 4.75" (4) 336676
- Washer, mounting (4) 320248
- Nut, mounting (4)..... .. 313623
- Washer, mounting (2) 307238
- Plate, mounting (2)..... .. 318272
- Cap, transom screw (4)..... .. 318572
- Retainer, transom screw (2) 318273
- Screw, retainer (4)..... .. 319886

Propeller hardware kit, 20" models 5005034
Propeller hardware kit, 25" models 434153
EMM Oil Program Tag, XD 100 Oil 351520
Decal, XD 100 Oil 352369
Wiper Nut, steering tube 337586
Steering connector kit 175125
Washer, cable (2) 328702
Clip, cable (2) 333774
Clamp, hose (18.5 mm) 346150
Clamp, hose (14.5 mm) 346785
Clamp, Rigging tube (69.5 mm) 352868
Battery cables 10' (4 ga.) 584348

150 / 175 / 200 HP
4850 - 5850 RPM
158.2 cu. in. (2592 cc) 60°V6

E150DPLSEA (294702) blue 20"	“O”	G/C	418 lbs.
E150DSLSEA (294704) white 20"	“O”	G/C	418 lbs.
E150DHLSEA (294705) blue 20"	“L2 .54”	G/C	418 lbs.
E150HSLSEC (294790) white 20"	“L2 .54”	G/C	418 lbs.
E150DBXSEA (297768) blue 25"	“M2”	G/C	433 lbs.
E150DPXSEA (297702) white 25"	“M2”	G/C	433 lbs.
E150DCXSEA (297703) white 25"	“M2”	C/R	433 lbs.
E175DPLSEA (294706) blue 20"	“O”	G/C	418 lbs.
E175DSLSEA (294708) white 20"	“O”	G/C	418 lbs.
E175DPXSEA (297706) white 25"	“M2”	G/C	433 lbs.
E175DCXSEA (297707) white 25"	“M2”	C/R	433 lbs.
E200DPLSEM (294709) blue 20"	“O”	G/C	418 lbs.
E200DSLSEM (294711) white 20"	“O”	G/C	418 lbs.
E200DPXSEM (297709) white 25"	“M2”	G/C	433 lbs.
E200DCXSEM (297710) white 25"	“M2”	CR	433 lbs.

Operator’s Guide (English) 215834
Engine mounting hardware... .....see below
- Screw, mounting 1/2" X 4.75" (4) 336676
- Washer, mounting (4) 320248
- Nut, mounting (4)..... .. 313623
- Washer, mounting (2) 307238
- Plate, mounting (2)..... .. 318272
- Cap, transom screw (4)..... .. 318572
- Retainer, transom screw (2) 318273
- Screw, retainer (4)..... .. 319886

Propeller hardware kit 434153
EMM Oil Program Tag, XD 100 Oil 351520
Decal, XD 100 Oil 352369
Wiper Nut, steering tube 337586
Steering connector kit 175125
Washer, cable (2) 328702
Clip, cable (2) 333774
Clamp, hose (18.5 mm) 346150
Clamp, hose (14.5 mm) 346785
Clamp, Rigging tube (69.5 mm) 352868
Battery cables 10’ (4 ga.) 584348

200 / 225 / 250 HP
4500 - 5800 RPM
200.1 cu. in. (3279 cc) 90°V6

E200DHLSEB (294687) blue 20"	“L2 .54”	G/C	503 lbs.
E200HSLSEA (294762) white 20"	“L2 .54”	G/C	503 lbs.
E200DHXSEA (297756) white 25"	“M2”	G/C	524 lbs.
E200HCXSEA (297757) white 25"	“M2”	CR	524 lbs.
E200HVLSEC (294782) white 20"	“M2”	G/C	518 lbs.
E225DPLSEB (294682) blue 20"	“M2”	G/C	518 lbs.
E225DHLSEB (294679) blue 20"	“L2 .58”	G/C	503 lbs.
E225HSLSEC (294783) white 20"	“L2 .58”	G/C	503 lbs.
E225DHXSEM (297679) blue 25"	“L2 .58”	G/C	511 lbs.
E225DPXSEB (297682) white 25"	“M2”	G/C	524 lbs.
E225DCXSEB (297684) white 25"	“M2”	CR	524 lbs.
E225DPZSEB (298682) white 30"	“M2”	G/C	530 lbs.
E225DCZSEB (298684) white 30"	“M2”	CR	530 lbs.
E250DPLSEB (294685) blue 20"	“M2”	G/C	518 lbs.
E250DPXSEB (297685) white 25"	“M2”	G/C	524 lbs.
E250DCXSEB (297686) white 25"	“M2”	CR	524 lbs.
E250DPZSEB (298685) white 30”	“M2”	G/C	530 lbs.
E250DCZSEB (298686) white 30"	“M2”	CR	530 lbs.

Operator’s Guide (EN) 215836
Engine mounting hardware... .....see below
- Screw, mounting 1/2" X 4.75" (4) 336676
- Washer, mounting (4) 320248
- Nut, mounting (4)..... .. 313623
- Washer, mounting (2) 307238
- Plate, mounting (2)..... .. 318272
- Cap, transom screw (4)..... .. 318572
- Retainer, transom screw (2) 318273
- Screw, retainer (4)..... .. 319886

Propeller hardware kit 434153
EMM Oil Program Tag, XD 100 Oil 351520
Decal, XD 100 Oil 352369
Wiper Nut, steering tube 337586
Washer, cable (2) 328702
Clip, cable (2) 333774
Clamp, hose (18.5 mm) 346150
Clamp, hose (14.5 mm) 346785
Clamp, Rigging tube (69.5 mm) 352868
Battery cables 10’ (4 ga.) 584348

250 HP 4500 - 6000 RPM
300 HP 5000 - 6000 RPM
210 cu. in. (3441 cc) 90°V6

E250DHLSEC (294759) blue 20"	“L2 .58”	G/C	507 lbs.
E250HSLSES (294804) white 20"	“L2 .58”	G/C	507 lbs.
E250DHXSEC (297759) blue 25"	“L2 .58”	G/C	515 lbs.
E300DPXSEC (297743) white 25"	“M2”	G/C	528 lbs.
E300DCXSEC (297760) white 25"	“M2”	CR	528 lbs.
E300DPZSEC (298743) white 30"	“M2”	G/C	534 lbs.
E300DCZSEC (298760) white 30"	“M2”	CR	534 lbs.

Operator’s Guide (EN) 215836
Engine mounting hardware... .....see below
- Screw, mounting 1/2" X 4.75" (4) 336676
- Washer, mounting (4) 320248
- Nut, mounting (4)..... .. 313623
- Washer, mounting (2) 307238
- Plate, mounting (2) 318272
- Cap, transom screw (4) 318572
- Retainer, transom screw (2) 318273
- Screw, retainer (4) 319886

Propeller hardware kit 434153
EMM Oil Program Tag, XD 100 Oil 351520
Decal, XD 100 Oil 352369
Wiper Nut, steering tube 337586
Washer, cable (2) 328702
Clip, cable (2) 333774
Clamp, hose (18.5 mm) 346150
Clamp, hose (14.5 mm) 346785
Clamp, Rigging tube (69.5 mm) 352868
Battery cables 10’ (4 ga.) 584348

EVINRUDE E-TEC

BRP

OUTBOARDS

Administrative
Bulletin

A

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: December 7, 2009 **No.** 2009-01(A)

MODELS: 2010 Model Year and Newer Outboard Engines

SUBJECT: U.S. EPA Regulations and BRP Engine Warranty Changes

Dear *Evinrude*®/*Johnson*® Dealers:

For Model Year 2010 and newer outboard engines, the U.S. Environmental Protection Agency (EPA) issued new and revised regulations under the Federal Clean Air Act. The intention of these new regulations are to reduce exhaust emissions and evaporative emissions entering the atmosphere. Failing to follow EPA regulations when installing a certified engine in a vessel violates federal law and is subject to fines or other penalties as described in the Clean Air Act.

EPA Regulations – Exhaust and Evaporative Emissions
New EPA regulations require the manufacturers of spark ignition (SI) engines (includes outboards) to monitor and report failures of emission related parts and components (both exhaust and evaporative emissions).

EPA Regulations – Warranty Coverage
EPA regulations require the manufacturers of SI engines to warranty emission related components to be free from defects in design, material and workmanship that may keep it from meeting EPA regulated emission standards for 5 years or 175 engine hours, whichever occurs first, for exhaust emission related components; and 2 years for evaporative emission related components.

BRP Warranty Changes
For Model Year 2010 (and newer), BRP will modify the "*Warranty Coverage Period"* section of warranty statements to reflect the EPA regulated warranty coverage.

To support EPA regulations, BRP has changed the *BRP* warranty system to track additional information on warranty claims for engine parts identified as emission related. Dealers must be aware, as a certifying manufacturer, BRP can deny warranty claims for failures caused by the owner's or operator's improper maintenance or use, by accidents for which BRP has no responsibility, or by acts of God.

BRP Dealer Responsibilities
All BRP dealers must supply accurate information and specific circumstances to support warranty claims on emission related failing parts and emission related replacement parts.

The following list represents possible emission related components for model year 2010 *Evinrude E-TEC o*utboard engines.

- Exhaust valve actuator *(exhaust)*
- Air silencer *(exhaust)*
- Engine harness assembly *(exhaust)*
- Capacitor *(engine harness) (exhaust)*
- Fuel inlet connector *(evaporative)*
- Oil supply connector *(exhaust)*
- Cooling pressure relief diaphragm *(exhaust)*
- EMM *(exhaust)*

Evinrude dealers can go to *DealerPort.com.* for a complete list of the Emission Related Components. Go to *DealerPort.com.* then *Engines> Evinrude> Documents> Emissions> 2010 Emission Related Components.*

Emission related parts for a 2010 model year or newer outboard engine, identified as a failing part or a replacement part, must be returned with the warranty allowance request (claim) for processing through the BRP warranty system.

Warranty claims entered on-line using *DealerPort* or *BOSSWeb*, submitted by phone, or submitted by mail, require information or documentation describing the engine's performance. The check boxes on warranty allowance request forms must be completed. The check boxes ask:

- Did the engine warning horn sound?
- Did the engine stop running?
- Did the engine go into S.A.F.E. mode?
- Did the operator notice decreased performance of the engine? And if so when? Indicate when performance decrease occurred, e.g. low engine power at full throttle position.

Refer to the *2010 Evinrude Warranty Posters* and the *2010 Evinrude Warranty Procedures Manual* for additional warranty information.

BRP US INC. LIMITED WARRANTY FOR 2010 *EVINRUDE* ® OUTBOARD ENGINES SOLD IN THE UNITED STATES AND CANADA

1. SCOPE OF THE LIMITED WARRANTY

BRP US Inc.* ("BRP") warrants its 2010 Evinrude® outboard engines sold by authorized Evinrude dealers in the fifty United States and Canada ("Product") from defects in material or workmanship for the period and under the conditions described below.

2. EXCLUSIONS - The following are not warranted under any circumstances:

- Replacement of parts due to normal wear and tear;
- Routine maintenance parts and services including but not limited to: maintenance requirements, engine and lower unit oil changes, lubrication, valve and linkage adjustments and replacement of fuses, zinc anodes, thermostats, timing belts, starter motor bushings, trim motor brushes, filters, propellers, propeller bushings and spark plugs;
- Damage caused by improper or lack of installation, maintenance, winterization and/or storage, failure to follow the procedures and recommendations in the Operator's Guide;
- Damage resulting from removal of parts, improper repairs, service, maintenance, or modification, or use of parts or accessories not manufactured or approved by BRP, which in its reasonable judgment, are either incompatible with Product or adversely affect its operation, performance, or durability, or resulting from repairs done by a person that is not an authorized Dealer;
- Damage caused by abuse, misuse, abnormal use, neglect, racing, improper operation or operation of the Product in a manner inconsistent with the recommended operation described in the Operator's Guide;
- Damage resulting from external damage, accident, submersion, water ingestion, fire, theft, vandalism or any act of God;
- Operation without proper fuel, oil or lubrication, or with fuels, oils or lubricants which are not suitable for use with the Product (see the Operator's Guide);
- Damage resulting from rust or corrosion;
- Damage caused from cooling system blockage by foreign material;
- Damage resulting from sand or debris in the water pump;
- Cosmetic or paint changes due to exposure to the elements.

This warranty will be voided in its entirety and rendered null and void where:

- Product has been altered or modified in such a way so as to adversely affect its operation, performance or durability, or change its intended use, horsepower or emission levels; or
- Product is or has been used for racing at any point, even by a prior owner.

3. LIMITATIONS OF LIABILITY

ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE LIFE OF THE EXPRESS LIMITED WARRANTY.

ALL INCIDENTAL, CONSEQUENTIAL, DIRECT, INDIRECT OR OTHER DAMAGES OF ANY KIND ARE EXCLUDED FROM COVERAGE UNDER THIS WARRANTY INCLUDING, BUT NOT LIMITED TO: expense for gasoline, expense for transporting Product to and from Dealer, removal of Product from a boat and reinstallation, mechanic's travel time, in-and-out of water charges, slip or dock fees, trailering or towing, storage, telephone, cell phone, fax or telegram charges, rental of a like or replacement Product or boat during warranty services or down time, taxi, travel, lodging, loss of or damage to personal property, inconvenience, cost of insurance coverage, loan payments, loss of time, loss of income, revenue or profits, or loss of enjoyment or use of Product.

SOME STATES, PROVINCES, OR JURISDICTIONS DO NOT ALLOW FOR THE DISCLAIMERS, LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR OTHER EXCLUSIONS IDENTIFIED ABOVE. AS A RESULT, THEY MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOUSPECIFIC RIGHTS, AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH MAY VARY FROMSTATE TO STATE, OR PROVINCE TO PROVINCE.

No distributor, Dealer or any other person is authorized to make any affirmation, representation or warranty regarding Product other than those contained in this limited warranty and, if made, shall not be enforceable against BRP. BRP reserves the right to modify this warranty at any time, being understood that such modification will not alter the warranty conditions applicable to the Products sold while this warranty is in effect.

4. WARRANTY COVERAGE PERIOD

This limited warranty will be in effect from the date of delivery to the first retail consumer or the date the Product is first put to use, whichever occurs first, for a period of:

THIRTY-SIX (36) CONSECUTIVE MONTHS for private, recreational use; or

TWELVE (12) CONSECUTIVE MONTHS for commercial use, except that exhaust emission-related components are warranted for sixty (60) consecutive months or one hundred seventy five (175) hours of engine use, whichever occurs first; and evaporative emission related components are warranted for twenty-four (24) consecutive months. The Product is used commercially when it is used in connection with any work or employment that generates income, during any part of the warranty period. The Product is also used commercially when, at any point during the warranty period, it is installed on a boat that has commercial tags or is licensed for commercial use. *Please see your Authorized Evinrude Outboard Engine Dealer for emission-related service.* In cases where the delivery date is not established to BRP's satisfaction, the date of sale will be used to determine the warranty start date.

The repair or replacement of parts or the performance of service to Product under this warranty does not extend the life of this limited warranty beyond its original expiration date. For All *Evinrude/Johnson® Genuine Parts* and accessories installed by an authorized dealer at the time of sale, reference the BRP parts and accessories limited Warranty Statement.
California residents who purchased or warranty-registered a Product in California should refer to BRP's California Emissions Control Warranty Statement.

5. CONDITIONS TO HAVE WARRANTY COVERAGE

This warranty coverage is available only on Evinrude outboard engines purchased as new and unused from a dealer authorized to distribute Evinrude products in the country in which the sale occurred ("Dealer"), and then only after the BRP specified pre-delivery inspection process has been completed and documented by the purchaser and Dealer. Warranty coverage only becomes available upon proper registration of Product by Dealer or owner.

Only the original purchaser and any subsequent owners who reside in the United States and Canada and have purchased Product from a U.S. or Canadian Dealer are eligible for warranty registration and warranty coverage hereunder. Such limitations are necessary in order to allow BRP to protect the safety of its products, its consumers, and the general public.

As outlined in the Operator's Guide, timely routine required maintenance must be performed to maintain warranty coverage. BRP may require proof of proper maintenance prior to authorizing warranty coverage.

6. WHAT TO DO TO OBTAIN WARRANTY COVERAGE

The registered owner must notify an authorized Dealer within two (2) days of the appearance of a defect. Owner must bring Product, including any defective part therein, to Dealer promptly after the appearance of the defect, and in any event, within the warranty period, and must provide Dealer with reasonable opportunity to repair the defect. The expenses of transporting Product to and from Dealer for warranty service are to be borne by the owner.

If the Product has not previously been registered, the owner may also be required to present proof of purchase to Dealer for warranty repairs. Owner is required to sign the repair/work order prior to the start of the repair in order to validate the warranty repair.

All parts replaced under this warranty become the property of BRP.

7. WHAT BRP WILL DO

BRP's obligations under this warranty are limited to, at its sole discretion, repairing or replacing parts of Product found to be defective in material or workmanship, in the reasonable judgment of BRP. Such repair or replacement of parts will be done without charge for parts and labor, at any authorized Dealer. BRP's responsibility is limited to making the required repairs or replacements of parts with new or BRP-certified re-manufactured parts. No claim of breach of warranty shall be cause for cancellation or rescission of the sale of Product to owner.

In the event that warranty service is required outside of the fifty United States or Canada, owner will bear responsibility for any additional charges due to local practices and conditions, such as, but not limited to, freight, insurance, taxes, license fees, import duties, and any and all other financial charges, including those levied by governments, states, territories and their respective agencies.

BRP reserves the right to improve, modify or change Products from time to time without assuming any obligation to modify Products previously manufactured.

8. TRANSFER

If the ownership of Product is transferred during the warranty coverage period, this warranty shall also be transferred and be valid for the remaining coverage period provided that the former or new owner promptly contacts BRP or Dealer and gives the name and address of the new owner.

9. CONSUMER ASSISTANCE

In the event of a controversy or dispute in connection with this BRP limited warranty, BRP recommends that you first try to resolve the issue at the dealership level by discussing the issue with Dealer's service manager or owner.
If further assistance is required, please contact BRP US Inc. / Outboard Engines Division, After Sales Support, P.O. Box 597, Sturtevant, WI 53177, 1-847-689-7090.

BRP US INC. LIMITED WARRANTY FOR 2010 EVINRUDE OUTBOARD ENGINES SOLD OUTSIDE THE UNITED STATES AND CANADA

For a copy of the Limited Warranty, see your Bombardier Recreational Products ("BRP") distributor/dealer authorized to distribute Evinrude products in the country in which the sale occurs. If further assistance is required, please contact BRP US Inc. / Outboard Engines Division, After Sales Support, P.O. Box 597, Sturtevant, WI 53177, or the affiliate of BRP where the Product was registered for warranty.

* Engines sold in Canada are distributed and serviced by Bombardier Recreational Products Inc.

Limited Warranty Revision June 2009

P/N 5007864_1

EVINRUDE E-TEC | BRP

OUTBOARDS

Administrative
Bulletin

A

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: December 3, 2009 **No.** 2009-02(A)

MODELS: All *Evinrude*® *E-TEC*®

SUBJECT: *EMM* Replacement
Replaced by Administrative Bulletin 2011-02(A)

Dear *Evinrude*/*Johnson*® Dealers:

This communication is to inform *Evinrude*/*Johnson* dealers of the policies and procedures for the Warranty Replacement of *Evinrude E-TEC EMM*s.

NOTE: For outboards not in warranty, refer to Parts and Accessories Bulletin 2008-02(P).

Procedure for *EMM* Replacement

1) North American dealers MUST call Dealer Support Services (1-800-888-4662) for authorization before returning an *EMM* for warranty replacement. Dealers outside of North America must contact your regional office for authorization before returning an *EMM* for warranty replacement.

2) After receiving authorization, complete a warranty allowance request form, P/N 773629, and return it with the *EMM*. See "Sample Warranty Allowance Request" on page 2 for required information.

IMPORTANT: *EMM*s sent in without a claim, or *EMM*s or claims submitted without prior authorization will be returned. A $35.00 administrative fee will be charged to the dealer's account. A new claim must be submitted.

3) If unable to communicate with *EMM*, include the serial number of each fuel injector with its corresponding cylinder number. If upload problems were experienced (for example during injector replacement) send any disk(s) with *EMM*.

4) Package the *EMM* well. Damage caused from inadequate packaging is not covered by warranty. Send only the *EMM*, warranty allowance request, and disk(s) if applicable.

IMPORTANT: Send *EMM* only. Do not send *EMM* mounting screws or grommets. Parts other than the *EMM* and disk(s) will **NOT** be returned or replaced under warranty.

Shipping Labels – Canada Dealers Only

For Canadian Dealers – Please order and use return label, P/N 355262, for all *EMM* and propeller warranty returns.

Shipping Information

U.S. Dealers ship to:
BRP US Inc.
300 Sea Horse Drive, Dock 5
Waukegan, IL 60085

Attn: *EMM* Programming

Canadian Dealers ship to:
Centre de pieces de garantie BRP
BRP Warranty Parts Center
565, de la Montagne
Valcourt, QC J0E 2L0

Attn: *EMM* Programming

North American Dealers - *EMM*s will be returned UPS† ground prepaid. UPS NEXT DAY† requests will be charged to the dealer's UPS account number. UPS account number must be printed on claim. UPS NEXT DAY C.O.D. is not available.

In-stock *EMM*s normally have a turnaround time of 24 hours from receipt (not including shipping). BRP is not responsible for shipping delays once a package leaves its facility.

Dealers Outside of North America - Contact regional office.

355359

Sample Warranty Allowance Request

Claims that are missing **REQUIRED** information will not be processed and will be returned with the *EMM*.

EVINRUDE® | Johnson®

BRP US Inc.
DEALER SUPPORT SERVICES
PO Box 597
Sturtevant, WI 53177

WARRANTY ALLOWANCE REQUEST

CLAIM NO.

OWNER'S NAME ADDRESS AND ZIP CODE (REQUIRED)	SERVICING DEALER'S NAME-ADDRESS AND ZIP CODE (REQUIRED)	DATE OF REQUEST
Required	*Required* *Please include name of Service Technician*	*Required*
		DATE OF INCIDENT: *Required*
		DATE WORK COMPLETED: *Required*
		HOURS USED: *Required*

ENGINE MODEL AND SERIAL NO.	PURCHASE DATE	SERVICING DEALER'S CODE NO.
Required	*Required*	*Required*

"X" IF CLAIM IS A PARTS & ACCESSORIES CLAIM	"X" IF THIS IS A REPEATED PART FAILURE CLAIM	AUTHORIZATION NUMBER

CUSTOMER COMMENT CODE(S) (REQUIRED)

ADDITIONAL COMMENTS (REQUIRED)

Dealer UPS account number (if requesting Next Day return shipment).

Name of Dealer Support Representative and Authorization Number provided.

Detailed description of engine symptoms.

NOTE: GRAY SHADED AREAS FOR FACTORY USE ONLY DEALER FILL IN ALL OTHER.

SHIPPING INSTRUCTIONS

INVOICE NUMBER

RETURN ALL PARTS ☐

RETURN *PARTS ONLY ☐

ATTN

CHECK AMOUNT $

ONLY EVINRUDE/JOHNSON GENUINE PARTS MAY BE USED IN WARRANTY REPAIR

PART THAT CAUSED FAILURE

PART NUMBER	PART NAME	GROUP CODE	ACCT DEPT TIME ORDER NO.	FLAT RATE CODE	FLAT RATE TIME HRS. THS.	FLAT RATE CODE	FLAT RATE TIME HRS. THS.
Leave Blank	*Leave Blank*					*E127*	

WARRANTY REIMBURSEMENT MADE ONLY FOR PARTS LISTED BELOW.

LIST ALL PARTS USED IN REPAIR

PART NUMBER	PART NAME	QTY	PART NUMBER	PART NAME	QTY
Leave Blank	*EMM*	*1*			

EPA REQUIRED Circle "Y" for yes or "N" for no.

Y N Did warning horn sound?
Y N Did engine go into S.L.O.W.™ Mode?
Y N Did engine stop running?
Y N Did engine exhibit reduced drivability/misfire?

OWNER'S SIGNATURE (REQUIRED)	DEALER'S SIGNATURE	APPROVED DATE
	Required	

☐ **Claim Return - See Back of Claim**

RETAIN GREEN COPY SEND BALANCE OF SET TO FACTORY
USE TYPEWRITER OR PRESS HARD WITH BALL POINT PEN.

HOLD ALL PARTS FOR 90 DAYS PENDING FACTORY RECALL

P/N 773629 Rev. 6/04
DSS162

EVINRUDE E-TEC

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

OUTBOARDS

Administrative
Bulletin

A

Date: December 2, 2010

No. 2010-01(A) (Rev 1)

MODELS: 2010 *Evinrude®E-TEC®* Outboards

SUBJECT: In-Box Components, Full Throttle Operating Ranges, and Weights

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15 / 25 / 30 HP
5500 - 6100 RPM
35.1 cu. in. (576 cc), In-line, 2 Cyl.

E15DHTLISS (294843) blue 20"	tiller elec	187 lbs.
E15DHPLISS (294844) blue 20"	remote elec	181 lbs.
E25DRISC (293779) blue 15"	tiller rope	150 lbs.
E25DRLISC (294779) blue 20"	tiller rope	154 lbs.
E25DTEISC (293776) blue 15"	tiller elec	162 lbs.
E25DTELISC (294776) blue 20"	tiller elec	166 lbs.
E25DELISC (294777) blue 20"	remote elec	160 lbs.
E25DPLISC (294778) blue 20	rem elec pt&t	181 lbs.
E25DTLISC (294809) blue 20"	tiller elec pt&t	187 lbs.
E30DRISC (293741) blue 15"	tiller rope	150 lbs.
E30DRLISC (294741) blue 20"	tiller rope	154 lbs.
E30DTELISC (294773) blue 15"	tiller elec	166 lbs.
E30DELISC (294774) blue 20"	remote elec	160 lbs.
E30DPLISC (294775) blue 20"	rem elec pt&t	181 lbs.
E30DTLISC (294810) blue 20"	tiller elec pt&t	187 lbs

Operator's guide (English)	15 HP models	216004
Operator's guide (English)	25-30 HP models	215932
Engine mounting hardware	DHTL, DHPL models	
Screw, mounting 5/16" X 4" (4)		334427
Washer, mounting (4)		315776
Nut, mounting (4)		310702
Engine mounting hardware	DR, DTE, DEL models	
Screw, mounting 5/16" X 4" (2)		334427
Washer, mounting (2)		315776
Nut, mounting (2)		310702
Engine mounting hardware	DPL models	
Screw, mounting 1/2" X 4.75" (4)		336676
Washer, mounting (4)		320248
Nut, mounting (4)		313623
Washer, mounting (2)		307238
Plate, mounting (2)		318272
Cap, transom screw (4)		318572
Retainer, transom screw (2)		318273
Screw, retainer (4)		319886
Propeller thrust bushing		335420
Propeller hardware kit		175268
*Pin, cotter		320785
*Spacer, prop nut		323943
*Nut, prop		319891
Propeller 11 X 7	15 HP models	5008225
Propeller 10 X 12	25/30 HP models	765050
EMM oil program tag, XD 100 Oil		351520
Wiper nut, steering tube		337586
Steering connector kit	DHPL, DEL, DPL models	173699
Clip, control cable (2)	DHPL, DEL, DPL models	333774
Washer, control cable (2)	DHPL, DEL, DPL models	328702
Grommet, lower motor cover, upper		353818
Grommet, lower motor cover, lower		353819
Retainer, cable entry grommet		353550
Screw, retainer (2)		351152
Fuel tank	25/30 HP models	177001
Connector, fuel tank		772681
Fuel hose Ay		775635
Battery cables, 8' (6 ga.)		587012

40 / 50 / 60 HP
5000 - 6000 RPM
52.7 cu. in. (864 cc), In-line, 2 Cyl.

E40DRLISD (294639) blue 20"	tiller rope	232 lbs.
E40DRLISF (294639) blue 20"	tiller rope	232 lbs.
E40DTLISR (294791) blue 20"	tiller elec pt&t	250 lbs.
E40DTLISF (294791) blue 20"	tiller elec pt&t	250 lbs.
E40DPLISD (294641) blue 20"	rem elec pt&t	240 lbs.
E40DPLISF (294641) blue 20"	rem elec pt&t	240 lbs.
E40DSLISR (294785) white 20"	rem elec pt&t	240 lbs.
E40DSLISF (294785) white 20"	rem elec pt&t	240 lbs.
E50DTLISR (294792) blue 20"	tiller elec pt&t	250 lbs.
E50DTLISF (294792) blue 20"	tiller elec pt&t	250 lbs.
E50DPLISD (294643) blue 20"	rem elec pt&t	240 lbs.
E50DPLISF (294643) blue 20"	rem elec pt&t	240 lbs.
E50DSLISR (294786) white 20"	rem elec pt&t	240 lbs.
E50DSLISF (294786) white 20"	rem elec pt&t	240 lbs.
E60DTLISR(294793) blue 20"	tiller elec pt&t	250 lbs.
E60DTLISF(294793) blue 20"	tiller elec pt&t	250 lbs.
E60DPLISD (294666) blue 20"	rem elec pt&t	240 lbs.
E60DPLISF (294666) blue 20"	rem elec pt&t	240 lbs.
E60DSLISR (294787) white 20"	rem elec pt&t	240 lbs.
E60DSLISF (294787) white 20"	rem elec pt&t	240 lbs.

Operator's guide (English)	40-60 HP models	215920
Transom mounting kit	DR models	394219
*Nut, 5/16" lock (4)		310702
*Pad (2)		315774
*Plate, transom		328594
*Screw #10 X 3/4" (4)		303776
*Screw 5/16" X 4" (4)		334427
*Tie strap		203360
*Washer, 5/16" flat (2)		309192
*Washer, 1.75" O.D. (2)		315776
Engine mounting hardware	DTL, DPL, DSL models	
Screw, mounting 1/2" X 4.75" (4)		336676
Washer, mounting (4)		320248
Nut, mounting (4)		313623
Washer, mounting (2)		307238
Plate, mounting (2)		318272
Cap, transom screw (4)		318572
Propeller hardware kit		5005034
*Bushing, thrust		127084
*Pin, cotter		314502
*Spacer, prop nut		315810
*Nut, prop		314503
Rope ay, emergency start		378347
EMM oil program tag, XD 100 Oil		351520
Wiper nut, steering tube		337586
Steering connector kit	DPL, DSL models	173699
Washer, control cable (2)	DPL, DSL models	328702
Clip, control cable (2)	DPL, DSL models	333774
Clamp, hose (18.5 mm)	DPL, DSL models	346150
Grommet, lower cover	DPL, DSL models	350500
Fuel hose Ay	DR models	775635
Battery cables (6 ga./4 ga.)		587012/584348

65 Commercial / 55 MFE
5500 - 6000 RPM
52.7 cu. in. (864 cc), In-line, 2 Cyl.

E55MRLISA (294765) black 20"	tiller rope	250 lbs.
E55MJRLISA (294766) black 20"	tiller rope jet	270 lbs.
E65WDRLISR (294769) blue 20"	tiller rope	240 lbs.
E65WDRLISF (294769) blue 20"	tiller rope	240 lbs.
E65WDRYISR (296769) blue 22.5"	tiller rope	247 lbs.
E65WDRYISF (296769) blue 22.5"	tiller rope	247 lbs.

Operator's Guide (English)..65 WDR models ...	215922
Operator's Guide (English)55 MFE models	215924
Transom mounting kit 55MRL, 55MJR models.	394219
*Nut, 5/16" lock (4)	310702
*Pad (2)	315774
*Plate, transom	328594
*Screw #10 X 3/4" (4)	303776
*Screw 5/16" X 4" (4)	334427
*Tie strap	203360
*Washer, 5/16" flat (2)	309192
*Washer, 1.75" O.D. (2)	315776
Propeller hardware kit.....	5005034
*Bushing, thrust	127084
*Pin, cotter	314502
*Spacer, prop nut	315810
*Nut, prop	314503
Propeller 13.5 X 15.....WDR models ..	763466
Propeller 13.75 X 13.....MRL models ..	763302
Rope ay, emergency start..... ..	378347
EMM oil program tag, XD 100 Oil..... ..	351520
Wiper nut, steering tube	337586
Fuel Tank .....WDR models ..	177001
Connector, fuel tank .....WDR models ..	772681
Fuel Hose Ay .....WDR models ..	775635

75 / 90 HP
4500 - 5500 RPM
79.1 cu. in. (1296 cc), In-line, 3 Cyl.

E75DPLISD (294645) blue 20"	"S2" G/C	320 lbs.
E75DPLISF (294645) blue 20"	"S2" G/C	320 lbs.
E75DSLISR (294788) white 20"	"S2" G/C	320 lbs.
E75DSLISF (294788) white 20"	"S2" G/C	320 lbs.
E90DPLISD (294646) blue 20"	"S2" G/C	320 lbs.
E90DPLISF (294646) blue 20"	"S2" G/C	320 lbs.
E90DSLISE (294674) white 20"	"S2" G/C	320 lbs.
E90DSLISF (294674) white 20"	"S2" G/C	320 lbs.
E90DPXISD (297646) white 25"	"O" G/C	335 lbs.
E90DPXISF (297646) white 25"	"O" G/C	335 lbs.
E90WDELISR (294735) blue 20"	man. tilt "S2" G/C	320 lbs.
E90WDELISF (294735) blue 20"	man. tilt "S2" G/C	320 lbs.
E90WDEXISR (297735) white 25"	man. tilt "O" G/C	335 lbs.
E90WDEXISF (297735) white 25"	man. tilt "O" G/C	335 lbs.

Operator's Guide (English)	215926
Engine mounting hardware... .....see below	
Screw, mounting 1/2" X 4.75" (4)	336676
Washer, mounting (4)	320248
Nut, mounting (4)..... ..	313623
Washer, mounting (2)	307238
Plate, mounting (2)..... ..	318272
Cap, transom screw (4)..... ..	318572
Propeller hardware kit, 20" models	5005034
Propeller hardware kit, 25" models	434153
Propeller, 13.25 X 17, WDEL models	763463
Propeller, 14.8 X 17, WDEX models	763467
Rope Ay, emergency start	378347
EMM Oil Program Tag, XD 100 Oil	351520
Wiper Nut, steering tube	337586
Steering connector kit	175125
Washer, control cable (2)	328702
Clip, control cable (2)	333774
Clamp, hose (18.5 mm)	346150
Grommet, Lower motor cover	350500
Battery cables 10' (4 ga.)	584348

115 / 130 HP
5500 - 6000 RPM
105.4 cu. in. (1727 cc) 60°V4

E115DPLISM (294698) blue 20"	“S2” G/C	375 lbs.
E115DPLISF (294698) blue 20"	“S2” G/C	390 lbs.
E115DSLISM (294699) white 20"	“S2” G/C	375 lbs.
E115DSLISF (294699) white 20"	“S2” G/C	390 lbs.
E115DBXISM (297767) blue 25"	“O” G/C	390 lbs.
E115DBXISF (297767) blue 25"	“O” G/C	405 lbs.
E115DPXISM (297698) white 25"	“O” G/C	390 lbs.
E115DPXISF (297698) white 25"	“O” G/C	405 lbs.
E115DCXISR (297784) white 25"	“O” C/R	390 lbs.
E115DCXISF (297784) white 25"	“O” C/R	405 lbs.
E115DHLISC (294771) blue 20"	“S2” G/C	390 lbs.
E115DHLISF (294771) blue 20"	“S2” G/C	390 lbs.
E115HSLISC (294772) white 20"	“S2” G/C	390 lbs.
E115HSLISF (294772) white 20"	“S2” G/C	390 lbs.
E115DHXISC (297771) white 25"	“O” G/C	405 lbs.
E115DHXISF (297771) white 25"	“O” G/C	405 lbs.
E130DPLISC (294700) blue 20"	“S2” G/C	390 lbs.
E130DPLISF (294700) blue 20"	“S2” G/C	390 lbs.
E130DSLISC (294701) white 20"	“S2” G/C	390 lbs.
E130DSLISF (294701) white 20"	“S2” G/C	390 lbs.
E130DPXISC (297700) white 25"	”O” G/C	405 lbs.
E130DPXISF (297700) white 25"	”O” G/C	405 lbs.
E130DCXISC (297789) white 25"	“O” C/R	405 lbs.
E130DCXISF (297789) white 25"	“O” C/R	405 lbs.
Operator’s Guide (English)		215928
Engine mounting hardware...		see below
Screw, mounting 1/2" X 4.75" (4)		336676
Washer, mounting (4)		320248
Nut, mounting (4)		313623
Washer, mounting (2)		307238
Plate, mounting (2)		318272
Cap, transom screw (4)		318572
Propeller hardware kit, 20" models		5005034
Propeller hardware kit, 25" models		434153
EMM Oil Program Tag, XD 100 Oil		351520
Decal, XD 100 Oil		352369
Wiper Nut, steering tube		337586
Steering connector kit		175125
Washer, cable (2)		328702
Clip, cable (2)		333774
Clamp, hose (18.5 mm)		346150
Clamp, hose (14.5 mm)		346785
Clamp, Rigging tube (69.5 mm)		352868
Battery cables 10’ (4 ga.)		584348

150 / 175 / 200 HP
4850 - 5850 RPM
158.2 cu. in. (2592 cc) 60°V6

E150DPLISM (294702) blue 20"	“O” G/C	418 lbs.
E150DPLISF (294702) blue 20"	“O” G/C	418 lbs.
E150DSLISM (294704) white 20"	“O” G/C	418 lbs.
E150DSLISF (294704) white 20"	“O” G/C	418 lbs.
E150DHLISM (294705) blue 20"	“L2 .54” G/C	418 lbs.
E150DHLISF (294705) blue 20"	“L2 .54” G/C	418 lbs.
E150HSLISR (294790) white 20"	“L2 .54” G/C	418 lbs.
E150HSLISF (294790) white 20"	“L2 .54” G/C	418 lbs.
E150DBXISM (297768) blue 25"	“M2” G/C	433 lbs.
E150DBXISF (297768) blue 25"	“M2” G/C	433 lbs.
E150DPXISM (297702) white 25"	“M2” G/C	433 lbs.
E150DPXISF (297702) white 25"	“M2” G/C	433 lbs.
E150DCXISM (297703) white 25"	“M2” C/R	433 lbs.
E150DCXISF (297703) white 25"	“M2” C/R	433 lbs.
E175DPLISM (294706) blue 20"	“O” G/C	418 lbs.
E175DPLISF (294706) blue 20"	“O” G/C	418 lbs.
E175DSLISM (294708) white 20"	“O” G/C	418 lbs.
E175DSLISF (294708) white 20"	“O” G/C	418 lbs.
E175DPXISM (297706) white 25"	“M2” G/C	433 lbs.
E175DPXISF (297706) white 25"	“M2” G/C	433 lbs.
E175DMXISR (297794) mil grn 25"	“M2” G/C	433 lbs.
E175DMXISF (297794) mil grn 25"	“M2” G/C	433 lbs.
E175DCXISM (297707) white 25"	“M2” C/R	433 lbs.
E175DCXISF (297707) white 25"	“M2” C/R	433 lbs.
E200DPLISB (294709) blue 20"	“O” G/C	418 lbs.
E200DPLISF (294709) blue 20"	“O” G/C	418 lbs.
E200DSLISB (294711) white 20"	“O” G/C	418 lbs.
E200DSLISF (294711) white 20"	“O” G/C	418 lbs.
E200DPXISB (297709) white 25"	“M2” G/C	433 lbs.
E200DPXISF (297709) white 25"	“M2” G/C	433 lbs.
E200DCXISB (297710) white 25"	“M2” CR	433 lbs.
E200DCXISF (297710) white 25"	“M2” CR	433 lbs.
Operator’s Guide (English)		215928
Engine mounting hardware...		see below
Screw, mounting 1/2" X 4.75" (4)		336676
Washer, mounting (4)		320248
Nut, mounting (4)		313623
Washer, mounting (2)		307238
Plate, mounting (2)		318272
Cap, transom screw (4)		318572
Propeller hardware kit		434153
EMM Oil Program Tag, XD 100 Oil		351520
Decal, XD 100 Oil		352369
Wiper Nut, steering tube		337586
Steering connector kit		175125
Washer, cable (2)		328702
Clip, cable (2)		333774
Clamp, hose (18.5 mm)		346150
Clamp, hose (14.5 mm)		346785
Clamp, Rigging tube (69.5 mm)		352868
Battery cables 10’ (4 ga.)		584348

200 / 225 / 250 HP
4500 - 5800 RPM
200.1 cu. in. (3279 cc) 90°V6

E200DHLISE (294687) blue 20"	“L2 .54” G/C	503 lbs.
E200DHLISF (294687) blue 20"	“L2 .54” G/C	503 lbs.
E200HSLISM (294762) white 20"	“L2 .54” G/C	503 lbs.
E200HSLISF (294762) white 20"	“L2 .54” G/C	503 lbs.
E200DHXISM (297756) white 25"	“M2” G/C	524 lbs.
E200DHXISF (297756) white 25"	“M2” G/C	524 lbs.
E200HCXISM (297757) white 25"	“M2” CR	524 lbs.
E200HCXISF (297757) white 25"	“M2” CR	524 lbs.
E200HVLISR (294782) white 20"	“M2” G/C	518 lbs.
E200HVLISF (294782) white 20"	“M2” G/C	518 lbs.
E225DPLISE (294682) blue 20"	“M2” G/C	518 lbs.
E225DPLISF (294682) blue 20"	“M2” G/C	518 lbs.
E225DHLISE (294679) blue 20"	“L2 .58” G/C	503 lbs.
E225DHLISF (294679) blue 20"	“L2 .58” G/C	503 lbs.
E225HSLISR (294783) white 20"	“L2 .58” G/C	503 lbs.
E225HSLISF (294783) white 20"	“L2 .58” G/C	503 lbs.
E225DHXISB (297679) blue 25"	“L2 .58” G/C	511 lbs.
E225DHXISF (297679) blue 25"	“L2 .58” G/C	511 lbs.
E225DPXISE (297682) white 25"	“M2” G/C	524 lbs.
E225DPXISF (297682) white 25"	“M2” G/C	524 lbs.
E225DCXISE (297684) white 25"	“M2” CR	524 lbs.
E225DCXISF (297684) white 25"	“M2” CR	524 lbs.
E225DPZISE (298682) white 30"	“M2” G/C	530 lbs.
E225DPZISF (298682) white 30"	“M2” G/C	530 lbs.
E225DCZISE (298684) white 30"	“M2” CR	530 lbs.
E225DCZISF (298684) white 30"	“M2” CR	530 lbs.
E250DPLISE (294685) blue 20"	“M2” G/C	518 lbs.
E250DPLISF (294685) blue 20"	“M2” G/C	518 lbs.
E250DPXISE (297685) white 25"	“M2” G/C	524 lbs.
E250DPXISF (297685) white 25"	“M2” G/C	524 lbs.
***DE250PXISS** (297805) white 25"	“M2” G/C	524 lbs.
***DE250PXISF** (297805) white 25"	“M2” G/C	524 lbs.
E250DCXISE (297686) white 25"	“M2” CR	524 lbs.
E250DCXISF (297686) white 25"	“M2” CR	524 lbs.
***DE250CXISS** (297806) white 25"	“M2” CR	524 lbs.
***DE250CXISF** (297806) white 25"	“M2” CR	524 lbs.
E250DPZISE (298685) white 30”	“M2” G/C	530 lbs.
E250DPZISF (298685) white 30”	“M2” G/C	530 lbs.
***DE250PZISS** (298805) white 30”	“M2” G/C	530 lbs.
***DE250PZISF** (298805) white 30”	“M2” G/C	530 lbs.
E250DCZISE (298686) white 30"	“M2” CR	530 lbs.
E250DCZISF (298686) white 30"	“M2” CR	530 lbs.
***DE250CZISE** (298806) white 30"	“M2” CR	530 lbs.
***DE250CZISF** (298806) white 30"	“M2” CR	530 lbs.
Operator’s Guide (EN)		215930
Engine mounting hardware.....		see below
Screw, mounting 1/2" X 4.75" (4)		336676
Washer, mounting (4)		320248
Nut, mounting (4)..... ..		313623
Washer, mounting (2)		307238
Plate, mounting (2)		318272
Cap, transom screw (4)		318572
Propeller hardware kit		434153
EMM Oil Program Tag, XD 100 Oil		351520
Decal, XD 100 Oil		352369
Wiper Nut, steering tube		337586
Washer, cable (2)		328702
Clip, cable (2)		333774
Clamp, hose (18.5 mm)		346150
Clamp, hose (14.5 mm)		346785
Clamp, Rigging tube (69.5 mm)		352868
Battery cables 10’ (4 ga.)		584348

***** Denotes Digital Electronic Shift and Throttle (*ICON*) model

250 HP 4500 - 6000 RPM
300 HP 5000 - 6000 RPM
210 cu. in. (3441 cc) 90°V6

E250DHLISR (294759) blue 20"	“L2 .58” G/C	507 lbs.
E250DHLISG (294759) blue 20"	“L2 .58” G/C	507 lbs.
E250DHLISF (294759) blue 20"	“L2 .58” G/C	507 lbs.
E250HSLISC (294804) white 20"	“L2 .58” G/C	507 lbs.
E250HSLISG (294804) white 20"	“L2 .58” G/C	507 lbs.
E250HSLISF (294804) white 20"	“L2 .58” G/C	507 lbs.
E250DHXISR (297759) blue 25"	“L2 .58” G/C	515 lbs.
E250DHXISG (297759) blue 25"	“L2 .58” G/C	515 lbs.
E250DHXISF (297759) blue 25"	“L2 .58” G/C	515 lbs.
E300DSLISC (294811) white 20"	“M2” G/C	507 lbs.
E300DSLISG (294811) white 20"	“M2” G/C	507 lbs.
E300DSLISF (294811) white 20"	“M2” G/C	507 lbs.
E300DPXISR (297743) white 25"	“M2” G/C	528 lbs.
E300DPXISG (297743) white 25"	“M2” G/C	528 lbs.
E300DPXISF (297743) white 25"	“M2” G/C	528 lbs.
***DE300PXISS** (297807) white 25"	“M2” G/C	528 lbs.
***DE300PXISG** (297807) white 25"	“M2” G/C	528 lbs.
***DE300PXISF** (297807) white 25"	“M2” G/C	528 lbs.
E300DCXISR (297760) white 25"	“M2” CR	528 lbs.
E300DCXISG (297760) white 25"	“M2” CR	528 lbs.
E300DCXISF (297760) white 25"	“M2” CR	528 lbs.
***DE300CXISS** (297808) white 25"	“M2” CR	528 lbs.
***DE300CXISG** (297808) white 25"	“M2” CR	528 lbs.
***DE300CXISF** (297808) white 25"	“M2” CR	528 lbs.
E300DPZISR (298743) white 30"	“M2” G/C	534 lbs.
E300DPZISG (298743) white 30"	“M2” G/C	534 lbs.
E300DPZISF (298743) white 30"	“M2” G/C	534 lbs.
***DE300PZISS** (298807) white 30"	“M2” G/C	534 lbs.
***DE300PZISG** (298807) white 30"	“M2” G/C	534 lbs.
***DE300PZISF** (298807) white 30"	“M2” G/C	534 lbs.
E300DCZISR (298760) white 30"	“M2” CR	534 lbs.
E300DCZISG (298760) white 30"	“M2” CR	534 lbs.
E300DCZISF (298760) white 30"	“M2” CR	534 lbs.
***DE300CZISS** (298808) white 30"	“M2” CR	534 lbs.
***DE300CZISG** (298808) white 30"	“M2” CR	534 lbs.
***DE300CZISF** (298808) white 30"	“M2” CR	534 lbs.
Operator’s Guide (EN)		215930
Engine mounting hardware...		see below
Screw, mounting 1/2" X 4.75" (4)		336676
Washer, mounting (4)		320248
Nut, mounting (4)..... ..		313623
Washer, mounting (2)		307238
Plate, mounting (2)		318272
Cap, transom screw (4)		318572
Propeller hardware kit		434153
EMM Oil Program Tag, XD 100 Oil		351520
Decal, XD 100 Oil		352369
Wiper Nut, steering tube		337586
Washer, cable (2)		328702
Clip, cable (2)		333774
Clamp, hose (18.5 mm)		346150
Clamp, hose (14.5 mm)		346785
Clamp, Rigging tube (69.5 mm)		352868
Battery cables 10’ (4 ga.)		584348

***** Denotes Digital Electronic Shift and Throttle (*ICON*) model

EVINRUDE E-TEC

BRP

OUTBOARDS

Administrative

Bulletin

A

Suggested Routing:

☐ Service ☐ Sales ☐ Parts

Date: June 4, 2010 **No.** 2010-02(A)

MODELS: ALL *Evinrude*®*E-TEC*® Outboards **SUBJECT:** *ICON* System Flat Rate Table

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Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude*/*Johnson* dealers of a new flat rate table to support warranty repairs of an *ICON* System.

Copy or print page three of this bulletin and insert it over page 26 of the *Evinrude* 2009 - 2010 Flat Rate Guide (P/N 5007856).

An updated electronic version of the *Evinrude* 2009 - 2010 Flat Rate Guide (P/N 5007856) is available online.

3556847

I-CON SYSTEM

Electronic Controls	Note	Code	Time
Actuator, Shift	1	IE01	1.0
Actuator, Throttle	1	IE02	1.0
Buss Cable Backbone – 20’, 25’		IE03	0.5
Buss Cable Extension – 1’, 2’, 4’		IE04	0.5
Buss Cable Extension – 10’, 15”, 20’		IE05	1.0
Electronic Servo Module (ESM)	1	IE06	1.0
Fuse, 3amp, Key (Master Power)		IE07	0.5
Fuse, 10amp, Network Power Cable		IE08	0.5
Fuse, 30amp, ESM		IE09	0.5
Gateway Module	1	IE10	1.0
Hub, 6 Port		IE11	1.5
Key Switch Panel (Master Power)		IE12	0.5
Key / Start / Stop Switch Panel – One or Two Engines		IE13	0.7
Network Power Cable – 10’, 25’		IE14	0.5
Plug, Engine Identity #0-#4		IE15	0.5
Remote Control, Single Binnacle – 1 Engine	1	IE16	1.6
Remote Control, Dual Binnacle – 2, 3, 4, 5 Engines	1	IE17	1.6
Remote Control, Concealed Side Mount – 1 Engine	1	IE18	2.0
Remote Control Module, Concealed Side Mount	1	IE19	1.5
Start / Stop Switch Panel – 3, 4, 5 Engines		IE20	0.7
Start / Stop Switch Panel, Concealed Side Mount		IE21	0.5
Trim Plate, Control Head		IE22	0.5
Trim / Tilt Switch Panel – 3, 4, 5 Engines		IE23	0.7

1. Must have authorization number

EVINRUDE E-TEC

OUTBOARDS

Administrative
Bulletin

A

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: August 20, 2010 **No.** 2010-03(A)

MODELS: 2010 and newer *Evinrude*®*E-TEC*® Outboards

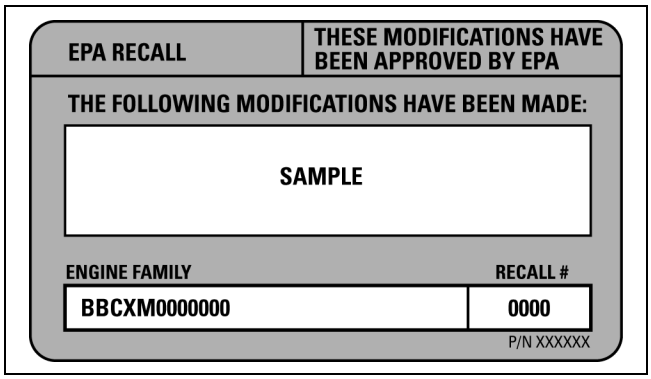
SUBJECT: U.S. Environmental Protection Agency (EPA) EPA Label

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude*/*Johnson* dealers of a new U.S. Environmental Protection Agency (EPA) EPA Label. The U.S. EPA and Federal Clean Air Act requires that engines repaired under EPA Warranty Campaigns be easily identified. EPA labels are used on 2010 and newer *Evinrude E-TEC* outboards warranted in the United States.

EPA Label

Install the required EPA Label on all outboards modified to meet EPA standards.



EPA Label (sample) 008381

Each EPA Label will contain information specific to each campaign, including:

- Description of the engine modification
- Engine family number
- EPA recall number
- Label part number

EPA Warranty Bulletins will indicate how EPA Labels should be ordered. EPA Labels will be available to authorized dealers through the BRP parts or warranty system.

IMPORTANT: Inspect engine covers or air silencers which are being replaced. Look for previously installed EPA Labels. Authorized dealers are required to call BRP Warranty to order replacement EPA Labels. New labels will be sent and MUST be installed on the appropriate replacement part of the outboard. See “Installation of EPA Label.”

Installation of EPA Label

After completing the repair of an engine under an EPA campaign, dealers MUST attach the required EPA Label to the engine, in the location shown for each model. Do not install new labels over existing labels or decals.

15–30 HP Models

On 15 - 30 HP models, attach EPA Label to baffle inside of the upper engine cover.

1. *EPA Label*
2. *Baffle inside of the upper engine cover*

008380

40–300 HP Models

On 40 - 300 HP models, attach EPA Label to front of air silencer.

1. *EPA Label*
2. *Air silencer*

008385

3558611

EVINRUDE E-TEC

OUTBOARDS

Administrative
Bulletin

A

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: December 8, 2010 **No.** 2010-04(A)

MODELS: *Evinrude*®*/Johnson*® Outboards **SUBJECT:** *B.E.S.T* Contracts

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude*/*Johnson* dealers of policies related to *B.E.S.T* coverage and to alert dealers that engines are transitioning from the original factory warranty (3 years) into *B.E.S.T* coverage (2 years of limited coverage). Some outboards enter *B.E.S.T* coverage in November of 2010.

B.E.S.T Contracts

The consumer must provide proof of or the authorized dealers must perform a 300 hour service (or 3 year inspection) on every outboard and provide a complete inspection report prior to contact with the *B.E.S.T* claim office (BRP / Evinrude) and before any *B.E.S.T* contract repairs are performed. Engine must have less than 1000 hours to be eligible for *B.E.S.T* coverage. There is a $50.00 deductible for each *B.E.S.T* contract repair.

Dealers must qualify all engine repairs for outboards with *B.E.S.T* coverage. Exclusions from *B.E.S.T* contract coverage are listed below. Always identify repairs which are not covered by *B.E.S.T* contracts and notify customer before performing repairs.

Coverage Exclusions (Not Covered):

- Normal wear
- Routine maintenance parts & services (including, but not limited to);
- Maintenance requirements
- Lower unit oil changes
- Lubrication and linkage adjustment
- Replacement of fuses, zinc anodes, thermostats, motor bushings, filters, propellers, propeller bushings, & spark plugs
- Damages due to improper or lack of installation, maintenance, winterization and/or storage, failure to follow procedures and recommendations in Operator's Guide
- Damage due to the removal of parts, improper repairs, service, maintenance, or modifications, or use of parts or accessories not manufactured or approved by BRP
- Damage from abuse, misuse, abnormal use, neglect, racing, improper operation, or operation inconsistent with recommended operation described in Operator's Guide
- Damage from external damage, accident, submersion, water ingestion, fire, theft, vandalism or act of God
- Operation without proper fuel, oil or lubrication or with fuels, oils, lubricants not suitable for use with Product
- Damage resulting from rust or corrosion
- Damage caused from cooling system blockage by foreign material
- Damage resulting from sand or debris in water pump
- Cosmetic or paint changes due to exposure to elements

Additional Exclusions (Not Covered):

- Upper and/or lower covers
- Cosmetics
- Rubber components including hoses
- Accessories

Contract Voided (No *B.E.S.T.* Coverage):

- Product altered/modified in such a way so as to adversely affect operation, performance, durability or change intended use, horsepower or emission levels
- Used for racing at any time - even by prior owner
- Commercial use at any time during the warranty.

See ***B.E.S.T.*** **Contract** and ***B.E.S.T.*** **Checklist** on ***DealerPort*****.**

B.E.S.T. Coverage Dealer Checklist

1. Is this engine in Standard Warranty or B.E.S.T. Coverage?
   - Does the consumer have B.E.S.T. ID card, certificate or contract?

2. Validate the current owner information – Request for registration update through BRP prior to conducting repairs. Claims will not be accepted until registration is updated.

3. Validate current engine hours – EMM Report

4. Hour limitations – 1000 total engine hours
   - Over 1000hrs = no assistance
   - 3yr / 300 hr service - proof of service required for each warranty claim - i.e. work order, service records (keep copy with customer records)

5. Verify fail part and parts needed in repair are not excluded (see exclusions above, or refer to the B.E.S.T. contract)

6. Determine Claim Type;
   - Normal claim processing if above items are within the parameters of the contract – Enter on line
   - Pre-Authorization required from BRP After Sales Support for parts excluded from B.E.S.T. contract and for Replacement parts.

7. Engine Value Limit – Should the total dollar value of repair exceed the value of the engine (Contact BRP After Sales Support).

*Note; Engines that were both retail sold and warranty registered to residents within the State of Florida, B.E.S.T. coverage is a two year extension of the factory warranty.

BRP After Sales Support North American Division – Technical and Warranty

Phone 800-888-4662

Fax 847-689-6902

EVINRUDE E-TEC | BRP

OUTBOARDS

Administrative

Bulletin

A

Suggested Routing:

☐ Service ☐ Sales ☐ Parts

Date: December 13, 2010 **No.** 2010-05(A)

MODELS: 2011 *Evinrude®E-TEC®* Outboards

SUBJECT: In-Box Components, Full Throttle Operating Ranges, and Weights

15 / 25 / 30 HP
5500 - 6100 RPM
35.1 cu. in. (576 cc), In-line, 2 Cyl.

E15DHTLIIC (294843) blue 20" tiller elec pt&t 187 lbs.
E15DHTLIIH (294843) blue 20" tiller elec pt&t 187 lbs.
E15DHPLIIC (294844) blue 20"remote elec pt&t 181 lbs.
E15DHPLIIH (294844) blue 20"remote elec pt&t 181 lbs.
E15HTSLIIH (294845) white 20" tiller elec pt&t 187 lbs.
E15HTSLIIS (294845) white 20" tiller elec pt&t 187 lbs.
E15HTSXIIH (297845) white 25" tiller elec pt&t 190 lbs.
E15HTSXIIS (297845) white 25" tiller elec pt&t 190 lbs.
E15HPSLIIH (294846) white 20" remote elec pt&t 181 lbs.
E15HPSLIIS (294846) white 20" remote elec pt&t 181 lbs.
E15HPSXIIH (297846) white 25" remote elec pt&t 184 lbs.
E15HPSXIIH (297846) white 25" remote elec pt&t 184 lbs.
E25DRIIH (293779) blue 15" tiller rope 150 lbs.
E25DRIIR (293779) blue 15" tiller rope 150 lbs.
E25DRSIIH (293834) white 15" tiller rope 150 lbs.
E25DRSIIS (293834) white 15" tiller rope 150 lbs.
E25DRLIIH (294779) blue 20" tiller rope 154 lbs.
E25DRLIIR (294779) blue 20" tiller rope 154 lbs.
E25DRSLIIH (294834) white 20" tiller rope 154 lbs.
E25DRSLIIS (294834) white 20" tiller rope 154 lbs.
E25DTEIIG (293776) blue 15" tiller elec 162 lbs.
E25DTEIIH (293776) blue 15" tiller elec 162 lbs.
E25DTEIIR (293776) blue 15" tiller elec 162 lbs.
E25DTELIIH (294776) blue 15" tiller elec 166 lbs.
E25DTELIIR (294776) blue 15" tiller elec 166 lbs.
E25TESLIIH (294838) white 20" tiller elec 166 lbs.
E25TESLIIH (294838) white 20" tiller elec 166 lbs.
E25DELIIH (294777) blue 20" remote elec 160 lbs.
E25DELIIR (294777) blue 20" remote elec 160 lbs.
E25DPLIIG (294778) blue 20" remote elec pt&t 181 lbs.
E25DPLIIH (294778) blue 20" remote elec pt&t 181 lbs.
E25DPLIIR (294778) blue 20" remote elec pt&t 181 lbs.
E25DPSLIIH (294840) white 20" remote elec pt&t 181 lbs.
E25DPSLIIS (294840) white 20" remote elec pt&t 181 lbs.
E25DTLIIH (294809) blue 20" tiller elec pt&t 187 lbs.
E25DTLIIR (294809) blue 20" tiller elec pt&t 187 lbs.
E25DTSLIIH (294836) white 20" tiller elec pt&t 187 lbs.
E25DTSLIIS (294836) white 20" tiller elec pt&t 187 lbs.
E30DRIIG(293741) blue 15" tiller rope 150 lbs.
E30DRIIH (293741) blue 15" tiller rope 150 lbs.
E30DRIIR (293741) blue 15" tiller rope 150 lbs.
E30DRSIIH (293835) white 15" tiller rope 150 lbs.
E30DRSIIS (293835) white 15" tiller rope 150 lbs.
E30DRLIIG (294741) blue 20" tiller rope 154 lbs.
E30DRLIIH (294741) blue 20" tiller rope 154 lbs.
E30DRLIIR (294741) blue 20" tiller rope 154 lbs.
E30DRSLIIH (294835) white 20" tiller rope 154 lbs.
E30DRSLIIS (294835) white 20" tiller rope 154 lbs.
E30DTELIIH (294773) blue 20" tiller elec 166 lbs.
E30DTELIIR (294773) blue 20" tiller elec 166 lbs.
E30TESLIIH (294839) white 20" tiller elec 166 lbs.
E30TESLIIH (294839) white 20" tiller elec 166 lbs.
E30DELIIH (294774) blue 20" remote elec 160 lbs.
E30DELIIR (294774) blue 20" remote elec 160 lbs.
E30DPLIIH (294775) blue 20" remote elec pt&t 181 lbs.
E30DPLIIR (294775) blue 20" remote elec pt&t 181 lbs.
E30DPSLIIH (294841) white 20" remote elec pt&t 181 lbs.
E30DPSLIIS (294841) white 20" remote elec pt&t 181 lbs.
E30DTLIIH (294810) blue 20" tiller elec pt&t 187 lbs.
E30DTLIIR (294810) blue 20" tiller elec pt&t 187 lbs.
E30DTSLIIH (294837) white 20" tiller elec pt&t 187 lbs.
E30DTSLIIH (294837) white 20" tiller elec pt&t 187 lbs.

Operator's guide (English) ..... 15-30 HP models 215992
Engine mounting hardware ..... DHTL, DHPL models
- Screw, mounting 5/16" X 4" (4) 334427
- Washer, mounting (4) 315776
- Nut, mounting (4) 310702

Engine mounting hardware ..... DR, DTE, DEL models
- Screw, mounting 5/16" X 4" (2) 334427
- Washer, mounting (2) 315776
- Nut, mounting (2) 310702

Engine mounting hardware ..... DPL models
- Screw, mounting 1/2" X 4.75" (4) 336676
- Washer, mounting (4) 320248
- Nut, mounting (4) 313623
- Washer, mounting (2) 307238
- Plate, mounting (2) 318272
- Cap, transom screw (4) 318572
- Retainer, transom screw (2) 318273
- Screw, retainer (4) 319886

Propeller thrust bushing 335420
Propeller hardware kit 175268
- *Pin, cotter 320785
- *Spacer, prop nut 323943
- *Nut, prop 319891

Propeller 11 X 7 ..... 15 HP models 5008225
Propeller 10 X 12 ..... 25/30 HP models 765050
EMM oil program tag, XD 100 Oil 351520
Wiper nut, steering tube 337586
Steering connector kit ..... DHPL, DEL, DPL models 173699
Clip, control cable (2) ..... DHPL, DEL, DPL models 333774
Washer, control cable (2) ..... DHPL, DEL, DPL models 328702
Grommet, lower motor cover, upper 353818
Grommet, lower motor cover, lower 353819
Retainer, cable entry grommet 353550
Screw, retainer (2) 351152
Fuel tank ..... 25/30 HP models 177001
Connector, fuel tank 772681
Fuel hose Ay 775635
Battery cables, 8' (6 ga.) 587012

356028

40 / 50 / 60 HP
5000 - 6000 RPM
52.7 cu. in. (864 cc), In-line, 2 Cyl.

E40DRLIIS (294639) blue 20"	tiller rope	232 lbs.
E40DTLIIA (294791) blue 20"	tiller elec pt&t	250 lbs.
E40DPLIIS (294641) blue 20"	rem elec pt&t	240 lbs.
E40DSLIIA (294785) white 20"	rem elec pt&t	240 lbs.
E50DTLIIA (294792) blue 20"	tiller elec pt&t	250 lbs.
E50DPLIIS (294643) blue 20"	rem elec pt&t	240 lbs.
E50DSLIIA (294786) white 20"	rem elec pt&t	240 lbs.
E60DTLIIA(294793) blue 20"	tiller elec pt&t	250 lbs.
E60DPLIIS (294666) blue 20"	rem elec pt&t	240 lbs.
E60DSLIA (294787) white 20"	rem elec pt&t	240 lbs.

Operator's guide (English)	40-60 HP models ..	215994
Transom mounting kit	DR models ..	394219
*Nut, 5/16" lock (4)		310702
*Pad (2)		315774
*Plate, transom		328594
*Screw #10 X 3/4" (4)		303776
*Screw 5/16" X 4" (4)		334427
*Tie strap		203360
*Washer, 5/16" flat (2)		309192
*Washer, 1.75" O.D. (2)		315776
Engine mounting hardware...	...DTL, DPL, DSL models	
Screw, mounting 1/2" X 4.75" (4)	..	336676
Washer, mounting (4)	..	320248
Nut, mounting (4)	..	313623
Washer, mounting (2)	..	307238
Plate, mounting (2)	..	318272
Cap, transom screw (4)	..	318572
Propeller hardware kit		5005034
*Bushing, thrust		127084
*Pin, cotter		314502
*Spacer, prop nut		315810
*Nut, prop		314503
Rope ay, emergency start	..	378347
EMM oil program tag, XD 100 Oil	..	351520
Wiper nut, steering tube	..	337586
Steering connector kit	DPL, DSL models...	173699
Washer, control cable (2)	DPL, DSL models ..	328702
Clip, control cable (2)	DPL, DSL models...	333774
Clamp, hose (18.5 mm)	DPL, DSL models...	346150
Grommet, lower cover	DPL, DSL models ..	350500
Fuel hose Ay	DR models ..	775635
Battery cables (6 ga./4 ga.)	..	587012/584348

65 Commercial / 55 MFE
5500 - 6000 RPM
52.7 cu. in. (864 cc), In-line, 2 Cyl.

E55MRLIIM (294765) black 20"	tiller rope	250 lbs.
E55MJRLIIM (294766) black 20"	tiller rope jet	270 lbs.
E65WDRLIIA (294769) blue 20"	tiller rope	240 lbs.
E65WDRYIIA (296769) blue 22.5"	tiller rope	247 lbs.

Operator's Guide (English)	..65 WDR models ...	216018
Operator's Guide (English)	...55 MFE models ...	215996
Transom mounting kit 55MRL, 55MJR models.		394219
*Nut, 5/16" lock (4)		310702
*Pad (2)		315774
*Plate, transom		328594
*Screw #10 X 3/4" (4)		303776
*Screw 5/16" X 4" (4)		334427
*Tie strap		203360
*Washer, 5/16" flat (2)		309192
*Washer, 1.75" O.D. (2)		315776
Propeller hardware kit		5005034
*Bushing, thrust		127084
*Pin, cotter		314502
*Spacer, prop nut		315810
*Nut, prop		314503
Propeller 13.5 X 15	WDR models ..	763466
Propeller 13.75 X 13	MRL models ..	763302
Rope ay, emergency start	..	378347
EMM oil program tag, XD 100 Oil	..	351520
Wiper nut, steering tube	..	337586
Fuel Tank	WDR models ..	177001
Connector, fuel tank	WDR models ..	772681
Fuel Hose Ay	WDR models ..	775635

75 / 90 HP
4500 - 5500 RPM
79.1 cu. in. (1296 cc), In-line, 3 Cyl.

E75DPLIIS (294645) blue 20"	"S2" G/C	320 lbs.
E75DSLIIA (294788) white 20"	"S2" G/C	320 lbs.
E90DPLIIS (294646) blue 20"	"S2" G/C	320 lbs.
E90DSLIID (294674) white 20"	"S2" G/C	320 lbs.
E90DPXIIIS (297646) white 25"	"O" G/C	335 lbs.
E90WDELIIA (294735) blue 20" man. tilt	"S2" G/C	320 lbs.
E90WDEXIIA (297735) white 25" man. tilt	"O" G/C	335 lbs.

Operator's Guide (English)	..	215998
Engine mounting hardware...	....see below	
Screw, mounting 1/2" X 4.75" (4)	..	336676
Washer, mounting (4)	..	320248
Nut, mounting (4)	..	313623
Washer, mounting (2)	..	307238
Plate, mounting (2)	..	318272
Cap, transom screw (4)	..	318572
Propeller hardware kit, 20" models		5005034
Propeller hardware kit, 25" models	..	434153
Propeller, 13.25 X 17, WDEL models	..	763463
Propeller, 14.8 X 17, WDEX models	..	763467
Rope Ay, emergency start	..	378347
EMM Oil Program Tag, XD 100 Oil	..	351520
Wiper Nut, steering tube	..	337586
Steering connector kit	..	175125
Washer, control cable (2)	..	328702
Clip, control cable (2)	..	333774
Clamp, hose (18.5 mm)	..	346150
Grommet, Lower motor cover	..	350500
Battery cables 10' (4 ga.)	..	584348

115 / 130 HP
5500 - 6000 RPM
105.4 cu. in. (1727 cc) 60°V4

E115DPLIIB (294698) blue 20"	“S2”	G/C	390 lbs.
E115DSLIIB (294699) white 20"	“S2”	G/C	390 lbs.
E115DBXIIB (297767) blue 25"	“O” .444	G/C	405 lbs.
E115DPXIIB (297698) white 25"	“O” .444	G/C	405 lbs.
E115DCXIIA (297784) white 25"	“O” .444	C/R	405 lbs.
E115DHLIIR (294771) blue 20"	“S2”	G/C	390 lbs.
E115HSLIIR (294772) white 20"	“S2”	G/C	390 lbs.
E115DHXIIR (297771) white 25"	“O” .444	G/C	405 lbs.
E130DPLIIR (294700) blue 20"	“S2”	G/C	390 lbs.
E130DSLIIR (294701) white 20"	“S2”	G/C	390 lbs.
E130DPXIIR (297700) white 25"	”O” .444	G/C	405 lbs.
E130DCXIIR (297789) white 25"	“O” .444	C/R	405 lbs.
Operator’s Guide (English)			216000
Engine mounting hardware...			see below
Screw, mounting 1/2" X 4.75" (4)			336676
Washer, mounting (4)			320248
Nut, mounting (4)			313623
Washer, mounting (2)			307238
Plate, mounting (2)			318272
Cap, transom screw (4)			318572
Propeller hardware kit, 20" models			5005034
Propeller hardware kit, 25" models			434153
EMM Oil Program Tag, XD 100 Oil			351520
Decal, XD 100 Oil			352369
Wiper Nut, steering tube			337586
Steering connector kit			175125
Washer, cable (2)			328702
Clip, cable (2)			333774
Clamp, hose (18.5 mm)			346150
Clamp, hose (14.5 mm)			346785
Clamp, Rigging tube (69.5 mm)			352868
Battery cables 10’ (4 ga.)			584348

150 / 175 / 200 HP
4850 - 5850 RPM
158.2 cu. in. (2592 cc) 60°V6

E150DPLIIB (294702) blue 20"	“O” .538	G/C	418 lbs.
E150DSLIIB (294704) white 20"	“O” .538	G/C	418 lbs.
E150DHLIIB (294705) blue 20"	“L2” .538	G/C	418 lbs.
E150HSLIIA (294790) white 20"	“L2” .538	G/C	418 lbs.
E150DBXIIB (297768) blue 25"	“M2” .542	G/C	433 lbs.
E150DPXIIB (297702) white 25"	“M2” .542	G/C	433 lbs.
E150DCXIIB (297703) white 25"	“M2” .542	C/R	433 lbs.
E175DPLIIB (294706) blue 20"	“O” .538	G/C	418 lbs.
E175DSLIIB (294708) white 20"	“O” .538	G/C	418 lbs.
E175DPXIIB (297706) white 25"	“M2” .542	G/C	433 lbs.
E175DMXIIA (297794) gray 25"	“M2” .542	G/C	433 lbs.
E175DCXIIB (297707) white 25"	“M2” .542	C/R	433 lbs.
E200DPLIIE (294709) blue 20"	“O” .538	G/C	418 lbs.
E200DSLIIE (294711) white 20"	“O” .538	G/C	418 lbs.
E200DPXIIE (297709) white 25"	“M2” .542	G/C	433 lbs.
E200DCXIIE (297710) white 25"	“M2” .542	CR	433 lbs.
Operator’s Guide (English)			216000
Engine mounting hardware...			see below
Screw, mounting 1/2" X 4.75" (4)			336676
Washer, mounting (4)			320248
Nut, mounting (4)			313623
Washer, mounting (2)			307238
Plate, mounting (2)			318272
Cap, transom screw (4)			318572
Propeller hardware kit			434153
EMM Oil Program Tag, XD 100 Oil			351520
Decal, XD 100 Oil			352369
Wiper Nut, steering tube			337586
Steering connector kit			175125
Washer, cable (2)			328702
Clip, cable (2)			333774
Clamp, hose (18.5 mm)			346150
Clamp, hose (14.5 mm)			346785
Clamp, Rigging tube (69.5 mm)			352868
Battery cables 10’ (4 ga.)			584348

200 / 225 / 250 HP
4500 - 5800 RPM
200.1 cu. in. (3279 cc) 90°V6

E200DHLIID (294687) blue 20" "L2" .538 G/C 503 lbs.
E200HSLIIB (294762) white 20" "L2" .538 G/C 503 lbs.
E200DHXIIB (297756) white 25" "M2" .542 G/C 524 lbs.
E200HCXIIB (297757) white 25" "M2" .542 CR 524 lbs.
E200HVLIIA (294782) white 20" "M2" .542 G/C 518 lbs.
E225DPLIID (294682) blue 20" "M2" .542 G/C 518 lbs.
E225DHLIID (294679) blue 20" "M2" .542 G/C 518 lbs.
E225HSLIIA (294783) white 20" "M2" .542 G/C 518 lbs.
E225DHXIIE (297679) blue 25" "M2" .542 G/C 524 lbs.
E225DPXIID (297682) white 25" "M2" .542 G/C 524 lbs.
E225DCXIID (297684) white 25" "M2" .542 CR 524 lbs.
E225DPZIID (298682) white 30" "M2" .542 G/C 530 lbs.
E225DCZIID (298684) white 30" "M2" .542 CR 530 lbs.
E250DPLIID (294685) blue 20" "M2" .542 G/C 518 lbs.
E250DPXIID (297685) white 25" "M2" .542 G/C 524 lbs.
***DE250PXIIC** (297805) white 25" "M2" .542 G/C 524 lbs.
E250DCXIID (297686) white 25" "M2" .542 CR 524 lbs.
***DE250CXIIC** (297806) white 25" "M2" .542 CR 524 lbs.
E250DPZIID (298685) white 30" "M2" .542 G/C 530 lbs.
***DE250PZIIC** (298805) white 30" "M2" .542 G/C 530 lbs.
E250DCZIID (298686) white 30" "M2" .542 CR 530 lbs.
***DE250CZIIC** (298806) white 30" "M2" .542 CR 530 lbs.
Operator's Guide (EN) 216002
Engine mounting hardware... .....see below
Screw, mounting 1/2" X 4.75" (4) 336676
Washer, mounting (4) 320248
Nut, mounting (4)..... .. 313623
Washer, mounting (2) 307238
Plate, mounting (2)..... .. 318272
Cap, transom screw (4) 318572
Propeller hardware kit 434153
EMM Oil Program Tag, XD 100 Oil 351520
Decal, XD 100 Oil 352369
Wiper Nut, steering tube 337586
Washer, cable (2) 328702
Clip, cable (2) 333774
Clamp, hose (18.5 mm) 346150
Clamp, hose (14.5 mm) 346785
Clamp, Rigging tube (69.5 mm) 352868
Battery cables 10' (4 ga.) 584348
***** Denotes Digital Electronic Shift and Throttle (*ICON*) model

250 HP 4500 - 6000 RPM
300 HP 5000 - 6000 RPM
210 cu. in. (3441 cc) 90°V6

E250HSLIIR (294804) white 20" "M2" .542 G/C 522 lbs.
E250DHLIIA (294759) blue 20" "M2" .542 G/C 528 lbs.
E250DHXIIA (297759) blue 25" "M2" .542 G/C 528 lbs.
E300DSLIIR (294811) white 20" "M2" .542 G/C 522 lbs.
E300DPXIIA (297743) white 25" "M2" .542 G/C 528 lbs.
***DE300PXIIC** (297807) white 25" "M2" .542 G/C 528 lbs.
E300DCXIIA (297760) white 25" "M2" .542 CR 528 lbs.
***DE300CXIIC** (297808) white 25" "M2" .542 CR 528 lbs.
E300DPZIIA (298743) white 30" "M2" .542 G/C 534 lbs.
***DE300PZIIC** (298807) white 30" "M2" .542 G/C 534 lbs.
E300DCZIIA (298760) white 30" "M2" .542 CR 534 lbs.
***DE300CZIIC** (298808) white 30" "M2" .542 CR 534 lbs.
Operator's Guide (EN) 216002
Engine mounting hardware... .....see below
Screw, mounting 1/2" X 4.75" (4) 336676
Washer, mounting (4) 320248
Nut, mounting (4)..... .. 313623
Washer, mounting (2) 307238
Plate, mounting (2)..... .. 318272
Cap, transom screw (4) 318572
Propeller hardware kit 434153
EMM Oil Program Tag, XD 100 Oil 351520
Decal, XD 100 Oil 352369
Wiper Nut, steering tube 337586
Washer, cable (2) 328702
Clip, cable (2) 333774
Clamp, hose (18.5 mm) 346150
Clamp, hose (14.5 mm) 346785
Clamp, Rigging tube (69.5 mm) 352868
Battery cables 10' (4 ga.) 584348
***** Denotes Digital Electronic Shift and Throttle (*ICON*) model

Please route to:

Init.

- ☐ Service ☐
- ☐ Sales ☐
- ☐ Parts ☐

EVINRUDE Johnson BRP

OUTBOARDS

P

PARTS AND ACCESSORIES
Bulletin

Date: May, 2006

No. 2006-01(P)

MODELS: *Evinrude*® *E-TEC*® Outboards

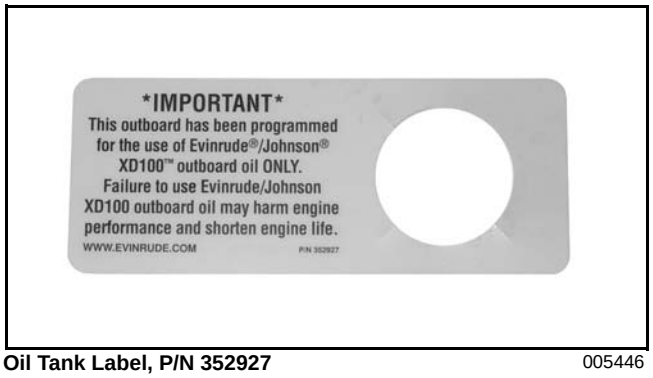
SUBJECT: Oil Tank Label – *Evinrude./Johnson*® *XD100*™ Oil Use, P/N 352927

A **new** oil warning label is offered through *Evinrude/Johnson Genuine Parts*. **Oil tank label, P/N 352927**, provides a large descriptive label indicating a requirement to use *Evinrude/Johnson XD100* outboard oil.

Use this label to provide outboard oil programming information at filler neck of oil tank(s). Label will fit on filler neck of engine-mounted and remote oil tanks.

Descriptive text on label:

"This outboard has been programmed for the use of *Evinrude/Johnson XD100* outboard oil ONLY. Failure to use *Evinrude/Johnson XD100* outboard oil may harm engine performance and shorten engine life."



Oil Tank Label, P/N 352927 005446

IMPORTANT: Labeling outboards for *Evinrude/Johnson XD100* outboard oil use is the responsibility of dealer/technician and must be performed during predelivery and setup of all outboards.

Refer to Predelivery Bulletin 2004-03(D) for *Evinrude/Johnson XD100* outboard oil use and labeling information.

Installation

Temporarily remove oil tank filler cap assembly from oil tank. Install label on oil tank filler neck as shown.

Engine Mounted Oil tank 005447

Perforations on label opening allow easy installation on remote oil tank filler neck.

Remote Oil tank 005448

Reinstall filler cap assembly.

Please route to:
Init.
☐ Service ☐
☐ Sales ☐
☐ Parts ☐

EVINRUDE Johnson BRP

OUTBOARDS

P

PARTS AND ACCESSORIES
Bulletin

Date: May, 2006

No. 2006-02(P)

MODELS: *Evinrude*® *E-TEC*® 40–90 HP

SUBJECT: Oil Tank Assembly Replacement Service Parts

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform dealers of a change in service replacement parts offered for *Evinrude E-TEC* 40–90 HP outboards.

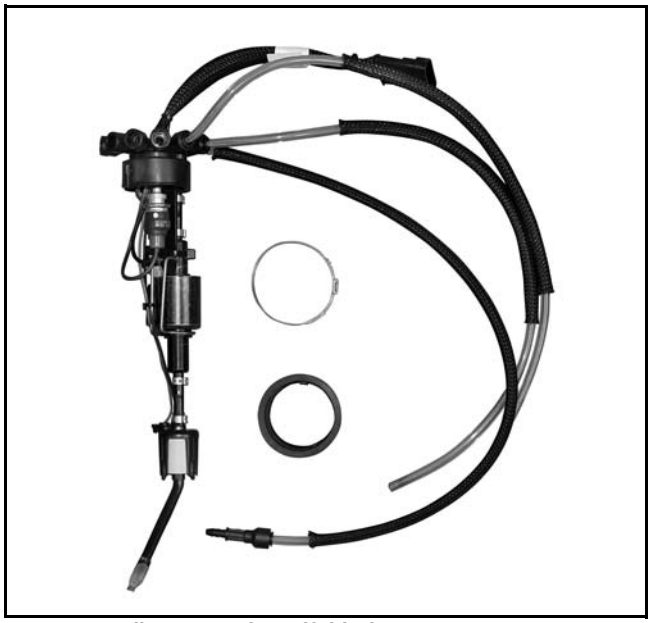
Oil tank assemblies, P/N 5005175 and P/N 5005804, will not be serviced as complete assemblies.

These oil tank assemblies will be serviced using two (2) seperate kits. Refer to chart.

Model	Oil Tank Kits(1)	Oil Pump and Manifold Kits
40 – 60 HP	5007250(2)	5007251(2)
75 / 90 HP	5007253(2)	5007254(2)

(1)Includes oil cap assembly, P/N 5005179

(2)Includes clamp (60.5 mm), P/N 351159, and seal, P/N 351416



TYPICAL – Oil Pump and Manifold Kit

TYPICAL – Oil Tank Kit

353208

Please route to:

Init.

- ☐ Service ☐
- ☐ Sales ☐
- ☐ Parts ☐

EVINRUDE Johnson BRP

OUTBOARDS

P

PARTS AND ACCESSORIES
Bulletin

Date: October, 2006 **No.** 2006-03(P)

MODELS: ALL MODELS **SUBJECT:** Propeller Warranty Coverage

Dear *Evinrude*®/*Johnson*® Dealers:

This communication is to inform dealers of a change in propeller warranty coverage.

Effective July 1, 2006 all retail-sold *Evinrude/Johnson Genuine Parts* brand propellers will carry a three year limited warranty.

BRP's obligations under this warranty are limited to, at its sole discretion, repairing or replacing parts of propeller found to be defective in material or workmanship.

For a propeller to be considered for warranty, it must be returned to BRP with a warranty claim form. Accessory propellers or propellers sold with an outboard must have a proof of purchase. A sales receipt showing proof of purchase must be attached to the warranty claim form. If the propeller is being used on an outboard that is under warranty, the model and serial number should be used on the claim form.

IMPORTANT: Propellers which have been reworked, modified, re-hubbed, or show evidence of impact damage are not covered.

If the propeller is found not to be defective, it will be returned to the dealer. The dealer will not be credited the cost of the part, and will be debited the following administration charge:

- $50.00(US) for stainless steel propellers; or
- $35.00(US) for all other propellers

The complete *Evinrude/Johnson Genuine Parts* limited warranty will be updated to reflect this change, and will appear in the 2007 Warranty Procedures and Flat Rate Manual, P/N 5007274.

RETURNING PROPELLERS

All propellers must be returned with the completed warranty claim and proof of purchase.

Mailing Addresses:

- **U.S. Dealers only**

  Bombardier Recreational Products
  Evinrude/Johnson Dealer Support Services
  250 Sea Horse Drive
  Waukegan, IL 60085

- **Canadian Dealers**

  Bombardier Recreational Products Inc.
  Attn: Service Department
  75 J.A. Bombardier Street
  Sherbrooke, PQ Canada J1L1W3

- **Dealers Outside North America**

  Contact regional office

For additional information, U.S. and Canadian dealers can call 1-800-888-4662. Dealers outside North America can call their regional office.

Dealers Outside North America — Propellers packaged with international models are covered by the outboard warranty. **Only accessory propellers purchased separately carry a three year limited warranty.**

353354

Please route to:
Init.
Service
Sales
Parts

EVINRUDE Johnson BRP

OUTBOARDS

P

PARTS AND ACCESSORIES
Bulletin

Date: October, 2006 **No.** 2006-04(P)

SUBJECT: *I-Command* Classic Instruments

Dear *Evinrude*®/*Johnson*® Dealers:

Certain *I-Command* Classic instruments may accumulate moisture internally and experience excessive lens fogging. Instruments with an accumulation of internal moisture should be replaced.

AFFECTED INSTRUMENTS

All *I-Command* Classic instruments with date codes **prior to and including date code 089 / 06** are suspect. See “DATE CODES” on page 2.

IMPORTANT: *I-Command* Classic instruments with a date code 090 / 06 or higher have improvements to prevent internal moisture accumulation and fogging.

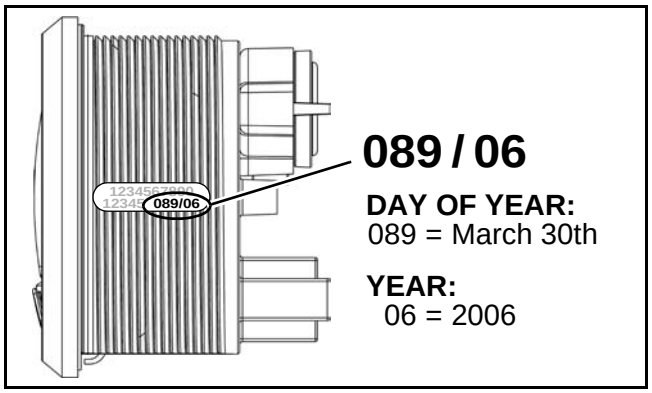
Description	 Chrome Bezel White Dial	 Black Chrome Bezel Light Grey Dial	 Chrome Bezel Tan (Sand) Dial
3 in. Tachometer 7000 RPM	763388	763397	763406
3 in. Speedometer 50 MPH	763386	763395	763404
3 in. Speedometer 70 MPH	763385	763394	763403
3 in. Speedometer 80 MPH	763387	763396	763405
2 in. Fuel Tank Level Tank 1	763380	763389	763398
2 in. Fuel Tank Level Tank 2	763668	763669	763398
2 in. Battery Voltage	763381	763390	763399
2 in. Water Pressure	763382	763391	763400
2 in. Trim Angle	763709	763711	763713
2 in. Oil Tank Level	763384	763393	763402
Tachometer, Speedometer & Harness Kit			
Tachometer/Speedometer 50 MPH	763444	763447	763450
Tachometer/Speedometer 70 MPH	763443	763446	763449
Tachometer/Speedometer 80 MPH	763445	763448	763451

DATE CODES

The Julian date code system is used to identify the manufacture date of *I-Command* Classic instruments.

The date code appears on the side of the instrument, stamped in the threads.

Date Code Example: 089 / 06 = 89th day of 2006



Date Code (side view of instrument)

IMPORTANT: *I-Command* Classic instruments with a date code 090 / 06 or higher have improvements to prevent internal moisture accumulation and fogging.

WARRANTY PROCESSING

IMPORTANT: Warranty claims cannot be entered on *DealerPort*.

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

IMPORTANT: *Evinrude/Johnson* PAC Dealers will receive credit for **parts only.**

DO NOT request other labor or parts on the warranty allowance request.

Warranty Allowance Request Form

Complete warranty allowance request form, P/N 773629, with all required information:

- Failing Part Number – **9999971**
- Customer Comment Code – **234**
- Bulletin Number – **2006-06(W)**

One Instrument

- Flat Rate Code – **GR1**
- Replacement – **0.5 hours**

Each additional instrument

- Flat Rate Code – **GR2**
- Replacement – **0.3 hours**

Returning Instruments

All instruments must be returned with the required paperwork.

BRP will credit dealers for repairs performed up to 12 months from the date this bulletin is issued. The proper return address is:

Mailing Addresses

- **U.S. Dealers only**

  Bombardier Recreational Products
  Evinrude/Johnson Dealer Support Services
  300 Sea Horse Drive – Dock 5
  Waukegan, IL 60085

- **Canadian Dealers**

  Bombardier Recreational Products Inc.
  Attn: Service Department
  75 J.A. Bombardier Street
  Sherbrooke, PQ Canada J1L1W3

For additional information, U.S. and Canadian dealers can call 1-800-888-4662.

Please route to:

Init.

- ☐ Service ☐
- ☐ Sales ☐
- ☐ Parts ☐

EVINRUDE® Johnson®

OUTBOARDS

P

PARTS AND ACCESSORIES
Bulletin

Date: October, 2007

No. 2007-01(P)

MODELS: 2005 & newer 90° V6 200 - 250 HP
2007 & newer 60° V4 / V6 115 - 200 HP
2008 & newer Inline 40 - 90 HP

SUBJECT: *I-Command*™ Network Connector(s)

Dear *Evinrude*®/*Johnson*® Dealers:

This communication is to inform dealers of a change in *I-Command* network connectors.

This change affects the physical features of the connectors. The pin orientation has changed and the connectors are now threaded.

The new connectors are DeviceNet-style, support the NMEA 2000 standard and are a RED color.

These changes do NOT affect the functionality of any device or network components.

Previously installed *I-Command* components do NOT need to be changed or removed for any reason.

A new *I-Command* Installation Guide P/N 355008has been posted to *DealerPort*®. This installation guide will be shipped to all dealers as part of the Essential Service Literature Program. Additional printed copies can be ordered from *Evinrude* / *Johnson Genuine Parts*.

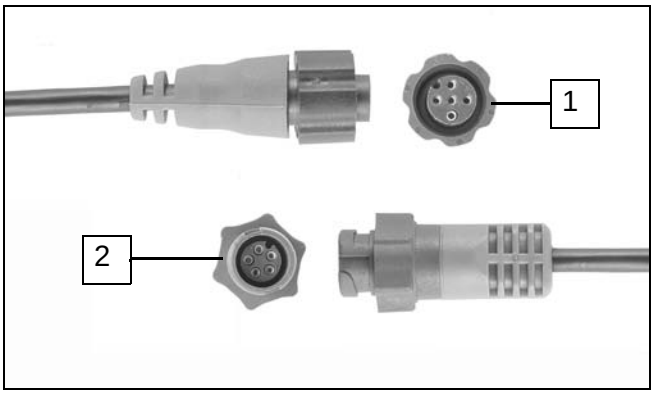
The following harness adapters are available for back-servicing previously installed components. All adapters are 24 inches (609 mm) in length.

See next page.

Device Adapters

Device adapters have the same gender connectors on each end (male to male or female to female).

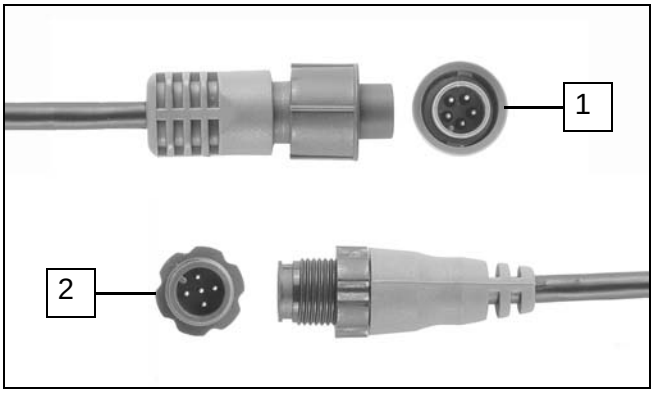
Device adapter, P/N 764187. Use this adapter to connect a device with a RED male connector to an existing BLUE male network connector.



Device adapter, P/N 764187 006659

1. *Device connector, RED female*
2. *Network connector, BLUE female*

Device adapter, P/N 764184. Use this adapter to connect a device with a BLUE female connector to an existing RED female network connector.



Device adapter, P/N 764184 006660

1. *Device connector, BLUE male*
2. *Network connector, RED male*

EVINRUDE® Johnson® | BRP

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

OUTBOARDS
Parts and Accessories Bulletin
P

Date: June 2, 2008 **No.** 2008-01(P)

MODELS: All

SUBJECT: *I-Command*™ and *NMEA 2000*† Network Connectors

Dear *Evinrude*®/*Johnson*® Dealers:

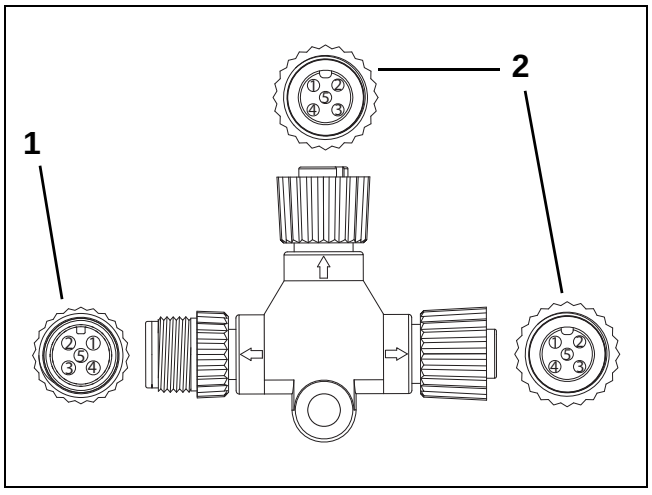
This bulletin is to inform dealers of the differences in *I-Command* compatible DeviceNet-style connectors.

Device Net-style Connectors

I-Command and *NMEA 2000* networks use *DeviceNet*† Micro-C type connectors. These connectors use 12 mm threaded locking rings and are waterproof when assembled properly.

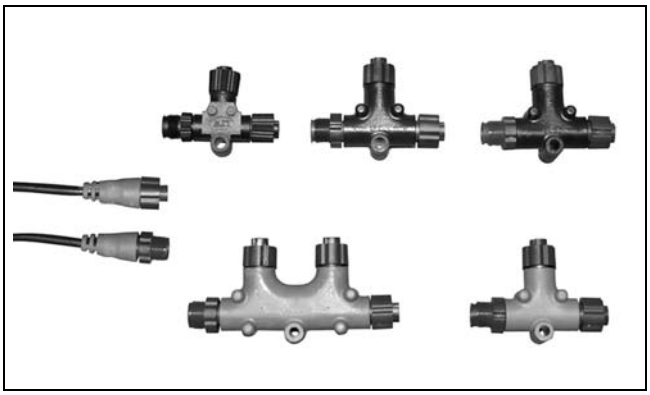
All *DeviceNet* Micro-C connectors are compatible with the *I-Command* red network connectors (DeviceNet-style connectors).

Connectors with slighty different appearances supplied with *I-Command* or *NMEA 2000* devices should NOT affect network operation. Always check pin and socket and locking ring configurations when installing connectors on a network.



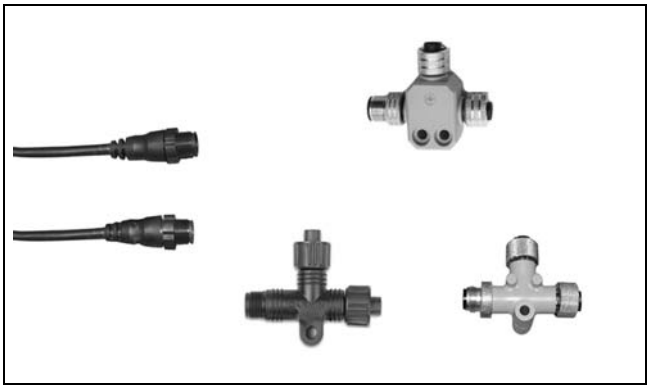
Typical DeviceNet Micro-C Style Connector
1. Pins
2. Sockets

Use the *I-Command Product Guide*, P/N 764677, or a current *Accessories Parts Catalog* (2008 or newer) to look up part numbers for *I-Command* network connectors.



I-Command **Network Connectors (DeviceNet-style Connectors)**

Here are examples of *DeviceNet* Micro-C connectors offered by other suppliers.



DeviceNet Micro-C Style Connectors

IMPORTANT: Connectors should assemble easily. Do not force connectors or locking rings together.

If connectors do not match, an adapter cable may be available. See Parts and Accessories Bulletin 2007-01(P).

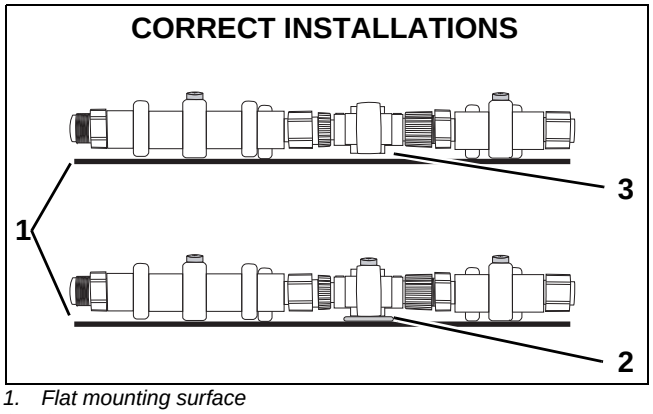
This document can be viewed on the DealerPort™ website at www.dealerport.com

3 5 4 3 2 2

Mounting Connectors

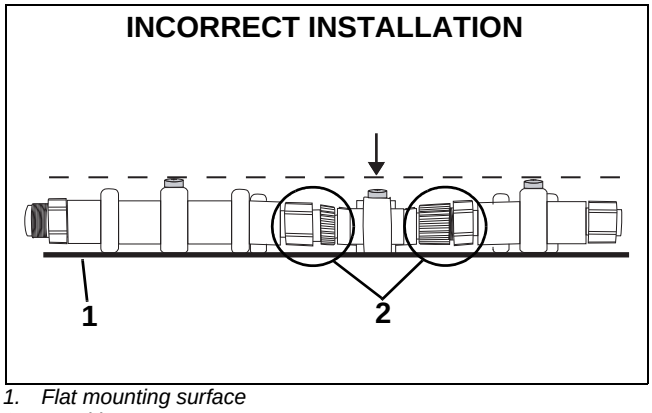
When mounting connectors, pay attention to connector alignment. Some connectors may have different mounting boss dimensions. If necessary, use an appropriate spacer behind the connector.

Mount connectors to a flat mounting surface with screws. Tighten screws by hand. Using a power driver can over tighten screws and damage connectors.



1. Flat mounting surface
2. Spacer
3. No spacer

Incorrect connector mounting can bend and damage the connectors resulting in a broken network connection.



1. Flat mounting surface
2. Bend in connectors

EVINRUDE Johnson

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

OUTBOARDS
Parts and Accessories Bulletin

P

Date: July 15, 2008 **No.** 2008-02(P)

MODELS: All *Evinrude*® *E-TEC*®

SUBJECT: *EMM* Replacement

Replaced by Parts & Accessories Bulletin 2011-02(P)

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude*/*Johnson* dealers of the policies and procedures for Service Replacement of *Evinrude E-TEC EMM*s.

NOTE: For outboards within the factory warranty period refer to Administrative Bulletin 2008-01(A).

Procedure for Ordering

1) The purchase of an *EMM* is restricted to full line, package or service dealers only. Authorization is NOT required for replacement of out of warranty units. No tests will be performed on units sent in for replacement.

2) Complete an *EMM* Order Form. See order form on page 2.

IMPORTANT: *EMM*s are not returnable. Make sure the *EMM* is, in fact the source of the problem.

3) Select *E-TEC EMM* part number from chart below. Also see New / Remanufactured *EMM*s and *ECU*s in Parts and Accessories catalog.

4) Package the *EMM* well. Damaged units are subject to a $100.00 core charge.

IMPORTANT: Send *EMM* only. Do not send *EMM* mounting screws or grommets. Parts other than the *EMM* will **NOT** be returned or replaced.

Shipping Information

U.S. and Canadian Dealers ship to:

Evinrude/Johnson Genuine Parts
Attn: EMM Replacement
3225 N. Prairie Ave.
Beloit, WI 53511

*EMM*s are returned UPS† ground prepaid. UPS NEXT DAY C.O.D. is not available.

If you require next day or second day shipment, please indicate this on the *EMM* Order Form. BRP is not responsible for shipping delays once a package leaves its facility.

NOTE: *EMM*s do not qualify for the free freight program.

Allow two business days for processing of in stock units (not including shipping).

The old unit becomes the property of *Evinrude/Johnson Genuine Parts*.

All *EMM*s have a one-year limited warranty.

Dealers Outside North America -

Contact regional office.

Model	2004	2005	2006 - 2007	2008	2009
40 – 50 HP	586759	586759	586759	586968	586968
60 – 65 HP	~	586759	586862	586970	586970
75 – 90 HP	586759	586759	586759	586970	586970
115 HP	~	~	586867	586982	586982*****
115 – 130 HP	~	~	~	~	587000
150 – 200 HP 60° V6	~	~	586707	586982	587000
200 – 300 HP 90° V6	~	586707	586707	586982	587000

*** Note: 2009 115 HP F suffix ONLY**

This document can be viewed on the DealerPort™ website at www.dealerport.com

3 5 4 3 2 2

EMM Order Form

Bombardier Recreational Products

BRP US Inc.

Evinrude / Johnson Genuine Parts
Attn: EMM Replacement
3225 N. Prairie Avenue
Beloit, WI 53511

Telephone: 1-800-888-4662
www.brp.com

Date: _____

Dealer Name: _____

Dealer Number: _____

Dealer Phone: _____

Contact: _____

EMM Information

Engine Model: _____

Engine Serial Number: _____

Software Version: _____

Software Revision Number: _____

Engine Hours: _____

Description of Problem: _____

Injector Information for this Engine	
Cylinder	Injector Serial Number (14 digits)
1	
2	
3	
4	
5	
6	

Ship to:

Evinrude / Johnson Genuine Parts
Attn: EMM Replacement
3225 N. Prairie Avenue
Beloit, WI 53511

EVINRUDE® Johnson® | BRP

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

OUTBOARDS
Parts and Accessories Bulletin

P

Date: July 31, 2008 **No.** 2008-03(P)

MODELS: All

SUBJECT: *I-Command*™ Water Pressure Sensor Kits

Dear *Evinrude*®/*Johnson*® Dealers:

This bulletin provides information related to the selection and installation of *I-Command* water pressure sensors kits.

The chart below lists all *I-Command* water pressure sensor kits. Use pre-programmed sensors to simplify and reduce set-up time.

Connect pre-programmed sensors to a specific outboard based on transom position – PORT (I0), STARBOARD (I1 for dual engines or I2 for triple engines), and CENTER (I1 for triple engines).

Water Pressure Sensor Kits*

Description	Rigging Kit Part Number	Service Part Number	Transom Position or Engine Instance
Single Engine	765038	765038	PORT (I0)
Dual Engine	765045	765038	PORT (I0)
		765040	STARBOARD (I1)
Triple Engine	765046	765038	PORT (I0)
		765040	CENTER (I1)
		765042	STARBOARD (I2)

*Water pressure sensors can be configured to provide speed over water when connected to a transom mounted speedometer pitot.

I-Command System SETUP

Refer to *I-Command System Setup, Pages*, and *Advanced Operation* sections of the *I-Command User's Guide,* P/N 765026 for 3.5 in. gauge or P/N 765025 for 2 in. gauge.

Turn key switch to ON position. *I-Command* display(s) should turn ON.

New gauges will display BOAT SETUP or use MENU and select SYSTEM SETUP to access:

- ENG/TANK CFG (BOAT SETUP)
- ENG DATA
- BUS DEVICES

Use BOAT SETUP or ENG/TANK CFG (engine and fuel tank configuration) to select the appropriate number of engines and fuel tanks, and to enter fuel tank capacities.

Use ENG DATA (engine data) to assign a gauge to an engine. ENG DATA is only used in multiple engine installations. Repeat for each *I-Command* gauge.

Use BUS DEVICES (network buss devices) to view network devices. A list of devices will be displayed on the gauge.

Use PAGES to add display page(s).

Use CUSTOMIZE to select the page display category(s). Select Eng Wtr Press (engine water pressure). Repeat for additional *I-Command* gauges configured to monitor other outboards in multiple engine installations.

To Configure a Water Pressure Sensor –
Connect one unconfigured pressure sensor to the network at a time.

Use BUS DEVICES (network buss devices) to view network devices. A list of devices will be displayed on the gauge.

Select UnCfg Pres (unconfigured pressure) from device list. Press MENU to display pressure menu.

Select WTR:P from the list of pressure types and press MENU. If engine and tank configuration is set to:

- One engine – display will return to BUS DEVICES and Wtr Pres (water pressure) will be displayed on the list.
- Multiple engines – LOCATION menu will appear with options for multiple engines.

Select engine location – PORT, STARBOARD, or CENTER.

The gauge will display Wtr Pr(P), Wtr Pr(S), or Wtr Pr(C). Press exit three (3) times to return to main display.

To Unconfigure a Water Pressure Sensor –
Use BUS DEVICES (network buss devices) to view network devices. A list of devices will be displayed on the gauge.

Select any configured water pressure sensor.

Select Unconfig (unconfigure). Press ENTER. Press ENTER again to confirm unconfigure.

The gauge will display BUS DEVICES with the UnCfg Pres (unconfigured pressure) device on the list.

EVINRUDE® Johnson® | BRP

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

OUTBOARDS
Parts and Accessories Bulletin

P

Date: July 31, 2008 **No.** 2008-04(P)

MODELS: All

SUBJECT: *I-Command*™ Fuel Level Converter Kits

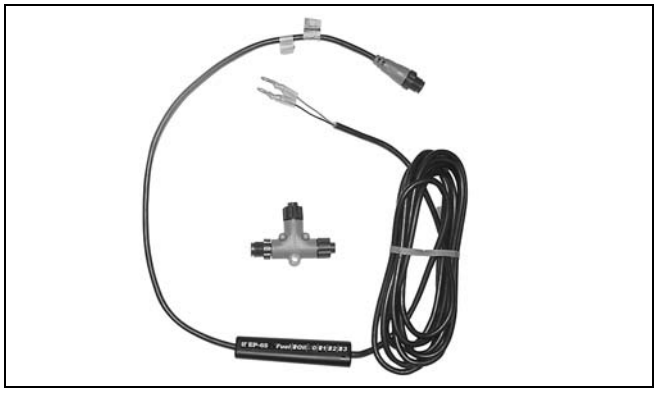
Dear *Evinrude*®/*Johnson*® Dealers:

This bulletin provides information related to the configuration of *I-Command* fuel level converters.

The chart below lists pre-programed *I-Command* fuel level converter kits. Use pre-programmed converters to simplify and reduce set-up time.

Fuel Level Converter Kits

Description	Rigging Kit Part Number	Service Part Number	Tank Instance
Single tank	764168	764168	I0 Single
Dual tank	765047	764168	I0 Port
		764170	I1 Starboard
Triple tank	765051	764168	I0 Port
		764170	I1 Center
		765044	I2 Starboard



Fluid level converter kit, P/N 764166, is available for any fluid tank application. It is unconfigured and must be configured using an *I-Command* digital gauge on a configured network.

I-Command System SETUP

Refer to *I-Command System Setup, Pages*, and *Advanced Operation* sections of the *I-Command User's Guide,* P/N 765026 for 3.5 gauge or P/N 765025 for 2 in. gauge, for additional information about fluid level converter programming, fuel level calibration and fuel management.

Turn key switch to ON position. *I-Command* display(s) should turn ON.

New gauges will display BOAT SETUP or use MENU and select SYSTEM SETUP to access:

- ENG/TANK CFG (BOAT SETUP)
- ENG DATA
- BUS DEVICES

Use BOAT SETUP or ENG/TANK CFG (engine and fuel tank configuration) to select the appropriate number of engines and fuel tanks, and to enter fuel tank capacities.

Use ENG DATA (engine data) to assign a gauge to an engine. ENG DATA is only used in multiple engine installations. Repeat for each *I-Command* gauge.

Use BUS DEVICES (network buss devices) to view network devices. A list of devices will be displayed on the gauge.

Use PAGES to add display page(s).

Use CUSTOMIZE to select the page display categories. Select Fluid Lvl (fluid level) and then a fuel tank. Repeat for additional *I-Command* gauges configured to monitor other outboards in multiple engine installations.

To Configure a Fluid Level Converter for Fuel – Connect one unconfigured fluid level convertor to the network a time.

Use BUS DEVICES (network buss devices) to view network devices. A list of devices will be displayed on the gauge.

Select UnCfg FL (unconfigured fluid) from device list. Press MENU to display fluid menu.

3 5 4 4 1 5

Select FUEL from the list of fluid types and press MENU. If engine and tank configuration is set to:

- One engine and one fuel tank – display will return to BUS DEVICES and F. Tnk (fuel tank) will be displayed on the list.
- Multiple tanks; the SELECT TANK menu will appear with options for multiple tanks – F.Tnk 1 and F.Tnk 2 for one engine with two tanks, or Port Tank, Cen Tank (Center), Stbd Tank (Starboard) for multiple engines with multiple tanks.

Select fuel tank position. The gauge will display the following: F.Tnk 1, F.Tnk 2, F Tnk (P), F Tnk (C) or F Tnk (S).

To Unconfigure a Fluid Level Converter –
Use BUS DEVICES (network buss devices) to view network devices. A list of devices will be displayed on the gauge.

Select any configured fluid level converter.

Select Unconfig (unconfigure). Press ENTER. Press ENTER again to confirm unconfigure.

The gauge will display BUS DEVICES with the UnCfg FL (unconfigured fluid) device on the list.

EVINRUDE® Johnson® | BRP

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

OUTBOARDS
Parts and Accessories Bulletin

P

Date: February 2, 2009 **No.** 2009-01(P)

MODELS: All **SUBJECT:** Engine Mounting Screws

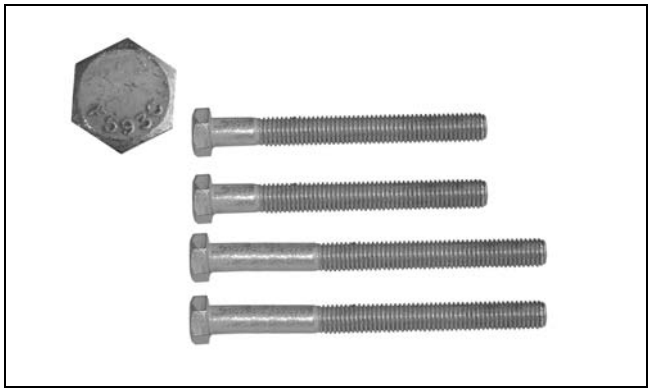
Dear *Evinrude*®/*Johnson*® Dealers:

This bulletin is to communicate the importance of using high strength screws for outboard installations.

Evinrude outboards are shipped with “heavy duty”, plated, stainless steel 1/2 in X 4.75 in. screws (P/N 336676). If longer screws are required for a specific installation, be sure to use screws with equal or greater strength.

Always use high strength stainless steel screws with a known proof load to attach outboard engines to transoms and brackets.

The marking on the screw head below is an indication of alloy type and does not indicate strength.



IMPORTANT: Standard screws offered by local merchants may not provide the high strength required for outboard installations.

The chart below lists the screws recommended for outboard installation.

Hex Head Cap Screws 1/2 in. / Stainless Steel / Plated			
Part Number	**Length (INCHES)**	**Thread Size**	**Proof Load Minimum (LBS.)**
327053	3	1/2-13	18,520
318573	3.5	1/2-13	12,771
336676	4.75	1/2-13	12,771
331578	5	1/2-13	18,520
354101	6	1/2-13	18,520
354102	7	1/2-13	18,520
354103	8	1/2-13	18,520
354104	9	1/2-13	18,520

Tighten outboard mounting screws and nuts to 40 ft. lbs. (54 N·m). Remember to periodically inspect and re-torque outboard mounting screws and nuts.

This document can be viewed on the DealerPort™ website at www.dealerport.com

3 5 4 7 6 4

OUTBOARDS

Parts and Accessories
Bulletin

P

Date: December 3, 2009 **No.** 2009-02(P)

MODELS: All

SUBJECT: Propeller Warranty Coverage

This bulletin replaces Part and Accessories Bulletin 2006-03(P)

Dear *Evinrude*®/*Johnson*® Dealers:

This communication is to inform dealers of a change in propeller warranty coverage.

Effective July 1, 2006 all retail-sold *Evinrude/Johnson Genuine Parts* brand propellers will carry a three year limited warranty.

BRP's obligations under this warranty are limited to, at its sole discretion, repairing or replacing parts of propeller found to be defective in material or workmanship.

For a propeller to be considered for warranty, it must be returned to BRP with a warranty claim form. Accessory propellers or propellers sold with an outboard must have a proof of purchase. A sales receipt showing proof of purchase must be attached to the warranty claim form. If the propeller is being used on an outboard that is under warranty, the model and serial number should be used on the claim form.

IMPORTANT: Propellers which have been reworked, modified, re-hubbed, or show evidence of impact damage are not covered.

If the propeller is found not to be defective, it will be returned to the dealer. The dealer will not be credited the cost of the part, and will be debited the following administration charge:

- $50.00(US) for stainless steel propellers; or
- $35.00(US) for all other propellers

PROPELLER WARRANTY RETURNS

All propellers must be returned with the completed warranty claim and proof of purchase.

Shipping Labels – Canada Dealers Only

For Canadian Dealers – Please order and use return label, P/N 355262, for all *EMM* and propeller warranty returns.

Shipping Information:

- **U.S. Dealers only**
  BRP US Inc.
  300 Sea Horse Drive, Dock 5
  Waukegan, IL 60085
  Attn: Propeller Warranty
- **Canadian Dealers**
  Centre de pieces de garantie BRP
  BRP Warranty Parts Center
  565, de la Montagne
  Valcourt, QC J0E 2L0
  Attn: Propeller Warranty
- **Dealers Outside North America**
  Contact regional office

Dealers Outside North America — For some international engine models, propellers packaged and shipped in the engine carton are covered by the engine warranty. **Only accessory propellers purchased separately carry a three year limited warranty.**

For additional information, U.S. and Canadian dealers can call 1-800-888-4662. Dealers outside North America can call their regional office.

Date: October 6, 2010 **No.** 2010-01(P)

MODELS: All **SUBJECT:** *I-Command*™ Digital Gauges

Dear *Evinrude*®/*Johnson*® Dealers:

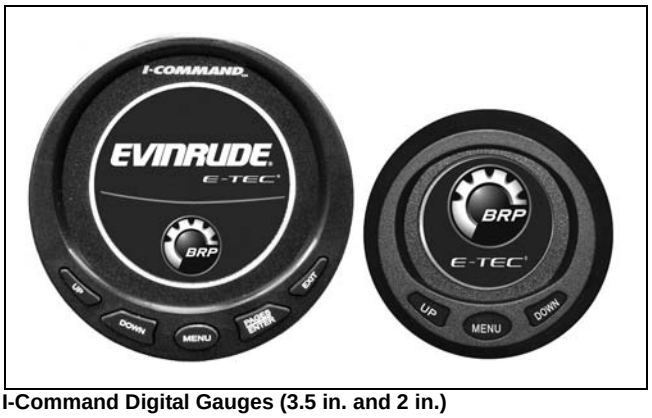
This communication provides the recommended service procedures for *I-Command* digital gauges. Use this information to update *I-Command* digital gauge software and to submit accurate warranty allowance requests.

I-Command SOFTWARE

I-Command Software version 1.7.0 (release date 4/10/2009) fixes "white, blank screen" on *I-Command* 3.5" digital gauges (P/N 764175) serial number 102899540 or higher.

I-Command Software version 1.7.0 (release date 8/26/2009) fixes "checksum error" on *I-Command* 2" digital gauges (P/N 764177) serial number 102729278 or higher.

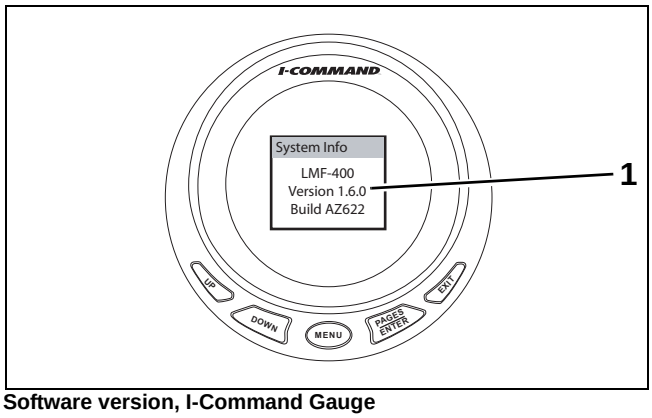
Software for *I-Command* digital gauges can be updated to software version 2.1.0 or higher for both 3.5 in. and 2 in. gauges. Warranty claims can be submitted on gauges with the failure conditions and serial number ranges listed above. Software upgrades for enhancement purposes only are not covered under warranty. See "Warranty Processing".



I-Command Digital Gauges (3.5 in. and 2 in.)

INSPECTION

Inspect *I-Command* gauges; check the gauge has 12 volt power and turns ON. Use the gauge's menu and go to "System Setup" and then "System Info" to view the software version of the gauge.

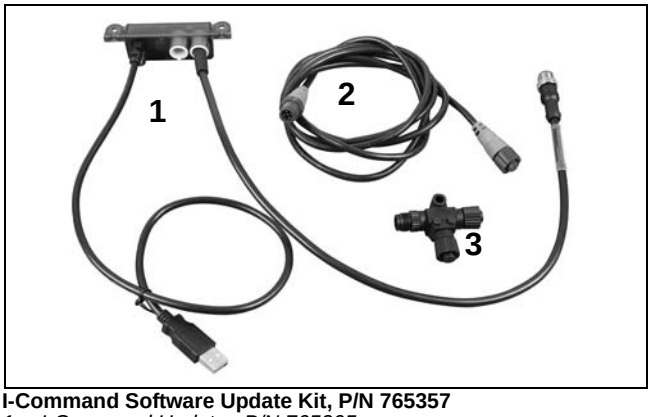


Software version, I-Command Gauge

UPDATING SOFTWARE

IMPORTANT: If a 3.5 in. gauge displays a "white, blank screen", it is locked in "programming mode". Reprogram the gauge and recheck operation. If a 2 in. gauge displays a "CHECKSUM" message, reprogram the gauge and recheck operation.

Use *I-Command* Software Update Kit, P/N 765357, to update *I-Command* digital gauge software.



I-Command Software Update Kit, P/N 765357

1. *I-Command Updater, P/N 765305*
2. *Network cable, P/N 764161 (6 ft./1.8 m)*
3. *T-Connector, P/N 764151*
4. *Instruction sheet, P/N 355155 (not shown)*

Refer to the instruction sheet, P/N 355155, included with the *I-Command* Software Update Kit for

software installation instructions. The “help files” in the *I-Command* Software Update Kit software also include the complete update process.

I-Command Software Download

Log into *DealerPort* (www.dealerport.com) or *BOSSWeb (*www.bossweb.brp.com) to download the latest *I-Command* software and information.

DealerPort User’s:

Select **PAC.** Select ***I-Command*.** Select **Software Downloads.** Select the *I-Command* software update program for **Windows XP** or **Windows7/ Windows Vista**.

BOSSWeb User’s:

Select **Comm Center.** Select **Document.** Select **Diagnostic Software.** Select ***I-Command S*oftware.** Select the *I-Command* software update program for **Windows XP** or **Windows7/ Windows Vista**.

USER’S GUIDES

Refer to the *I-Command* User’s Guides included with new *I-Command* digital gauges for complete gauge set-up procedures.

For *I-Command* digital gauges with updated software, the latest electronic files (PDF) of *I-Command* User’s Guides are available online. Go to *DealerPort*, *BOSSWeb*, or *Evinrude.com*.

- Use *I-Command* User’s Guide, P/N 355917, for 3.5 in. *I-Command* gauges with version 2.1.0 software.
- Use *I-Command* User’s Guide, P/N 355918, for 2 in. *I-Command* gauges with version 2.1.0 software.

The *I-Command* User’s Guides listed above can be ordered through your BRP P&A Distributor (at dealer or consumer expense).

WARRANTY PROCESSING

Warranty claims for *I-Command* digital gauges cannot be submitted through *DealerPort*.

BRP will credit dealers for gauge replacement repairs performed up to 12 months from the date this bulletin is issued

Evinrude/Johnson PAC only accounts will receive credit for parts but no labor.

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database. DO NOT request other labor or parts on this type of warranty allowance request.

Warranty Allowance Requests

Software Update: I-Command Digital Gauge

***DealerPort* Users:**

Online claims are not allowed. Only one software update is allowed for each *I-Command* (NMEA) Network. Refer to software instructions. Complete warranty allowance request form, P/N 773629, with all required information:

- Failing Part Number – **764175** (3.5 in. gauge) or **764177** (2 in. gauge)
- Customer Comment Code – **238**
- Bulletin Number – **2010-01(P)**
- Flat Rate Code – **ID40 (0.5 hours)**

***BOSSWeb* Users:**

Only one software update is allowed for each *I-Command* (NMEA) Network. Refer to software instructions. Complete online warranty allowance request with all required information:

- Failing Part Number – **764175** (3.5 in. gauge) or **764177** (2 in. gauge)
- Flat Rate Code – **ID40 (0.5 hours)**

Replacement: I-Command Digital Gauge

***DealerPort* Users:**

All digital gauges must be returned with a completed warranty allowance request form and supporting sales receipts. Complete warranty allowance request form, P/N 773629, with all required information:

- Failing Part Numbers – **764175** (3.5 in. gauge) or **764177** (2 in. gauge)
- Customer Comment Code – **217**
- Bulletin Number – **2010-01(P)**
- Flat Rate Code – **GR1 (0.5 hours)**

***BOSSWeb* Users:**

Complete online warranty allowance request with all required information:

- Failing Part Numbers – **764175** (3.5 in. gauge) or **764177** (2 in. gauge)
- Flat Rate Code – **GR1 (0.5 hours)**

Return Addresses:

- **U.S. Dealers**

  BRP US Inc.
  Evinrude/Johnson Dealer Support Services
  300 Sea Horse Drive – Dock 5
  Waukegan, IL 60085

- **Canadian Dealers**

  Send returns to:

  Affiliated Global Logistics
  500 Carlingview Drive
  Etobicoke, ON
  Canada M9W5R3

- **Dealers Outside North America**

  Contact regional office for assistance.

Please route to:

Init.

☐ Service ☐

☐ Sales ☐

☐ Parts ☐

EVINRUDE Johnson BRP

OUTBOARDS

D

PREDELIVERY Bulletin

Date: June, 2006 **No.** 2006-01(D)

MODELS: *Evinrude*® *E-TEC*® Outboards

SUBJECT: Oil Injection Information and NEW *E-TEC* Predelivery Checklist

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* dealers of the various oil injection rates related to *Evinrude E-TEC* outboards. All *Evinrude E-TEC* outboards are programmed from the factory for "break-in oiling" and for TCW-3RL outboard oil use.

BREAK-IN OILING

"Break-in oiling" provides double oil to the engine for the first two hours of operation above 2000 RPMs.

OIL SELECTION – SETUP

TCW-3RL Outboard Oil Use

Provides oil injection rate suited for NMMA TCW-3RL certified oil use.

The NMMA TCW-3RL certification is a rating for outboard oils. *Evinrude/Johnson XD50*™ outboard oil exceeds this rating and is recommended for use in *Evinrude E-TEC* outboards programed for TCW-3RL use.

XD100™ Outboard Oil Use

Provides oil injection rate suited for *Evinrude/Johnson XD100* outboard oil use.

Evinrude/Johnson XD100 outboard oil is a synthetic formula outboard oil which offers superior performance for outboards and is the preferred outboard oil for *Evinrude E-TEC* outboards. *Evinrude E-TEC* outboards have an **optional** setup feature used to adjust the rate of oil injection for *Evinrude/Johnson XD100* outboard oil use.

IMPORTANT: It is the customer's decision to request the outboard be "set to use XD100 oil" and the responsibility of the customer to use *XD100* outboard lubricant. Dealers should include "programming" of the *EMM* in their installation and predelivery process when necessary.

Cold Weather Use

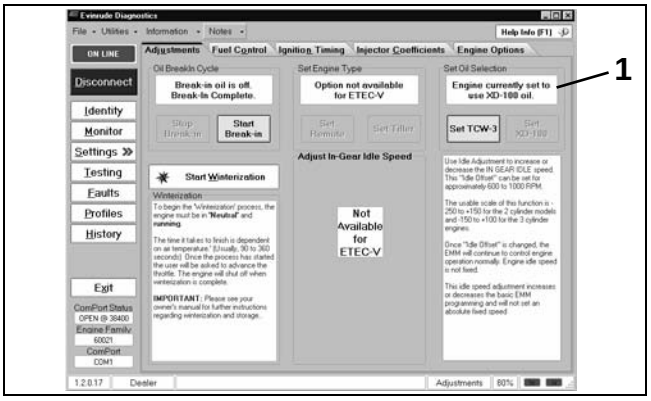
Use *Evinrude/Johnson XD100* outboard oil during cold weather operation.

IMPORTANT: Optional *XD100* outboard oil programming reduces the oil injection rate of the outboard. Dealers are expected to explain this option to *Evinrude E-TEC* customers. At the customer's request, the *EMM* (Engine Management Module) can be programmed for the **exclusive** use of *XD100* outboard oil.

CAUTION

Running an *Evinrude E-TEC* outboard on other grades of oil while set to the *XD100* oil use setting will result in increased engine wear and shortened engine life.

Dealers must use *Evinrude Diagnostics* software to access and change this *EMM* programming option.



Settings Display Screen, *Evinrude Diagnostics*
1. Set Oil Selection

PREDELIVERY CHECKLIST

Use a copy of the included *Predelivery Checklist* to document a customer's request to have the outboard oil injection rate set for the use of *XD100* outboard oil.

3 5 3 2 1 0

PREDELIVERY CHECKLIST – *EVINRUDE® E-TEC®*

Outboard 1

MODEL NUMBER	SERIAL NUMBER

Outboard 2

MODEL NUMBER	SERIAL NUMBER

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SEE PREDELIVERY BULLETIN 2010-01(D)

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Tilt limit switch and outboard clearances	
Trailering bracket, inspect ground clearance	
Oil system purged of air and primed	
Fuel system primed	
* XD 100 oil usage programming set *(optional)*	
* XD 100 oil decal and/or tag placed *(optional)*	

Date

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Date

Owner Signature

Please route to:
Init.
Service
Sales
Parts

EVINRUDE Johnson BRP

OUTBOARDS
D
PREDELIVERY Bulletin

Date: July, 2007 **No.** 2007-01(D)

MODELS: *Evinrude*® *E-TEC*® 40 through 90HP Outboards with Accessory Tiller Handle Kit Installed

SUBJECT: Start in Gear Protection

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* dealers an engine management software update may be needed when installing an accessory tiller kit on some *Evinrude E-TEC* 40-90 HP outboards.

INSPECTION PROCEDURE

When installation of tiller kit is complete, **ALWAYS** make sure the following operate properly before delivering outboard to customer:

- Engine stop circuit
- Emergency stop switch and lanyard
- Steering movement and friction control
- Throttle control (IDLE to WIDE OPEN)
- Shift control and proper gear engagement
- Start-in-gear protection
- Trim and tilt control

If start in gear protection does not work properly:

1. Be sure *Evinrude Diagnostics* software is used to set to “Tiller” control.

2. Check engine software revision installed in *EMM* is current. Log into the *DealerPort*® website.

1. Engine Software link 005511

Click **Engine Software** link.

Refer to appropriate engine software chart. The software revision number installed in EMM should be as listed in the *DealerPort* chart.

If new engine management software is required, download the necessary file.

IMPORTANT:

If you do not have *DealerPort*, e-mail a request for the software to bmca.techsvc@brp.com. In the e-mail subject line, you **must** reference the engine serial number and model number.

Use *Evinrude Diagnostic* software to upload the engine software update to the EMM.

⚠ WARNING

Dealer must use *Evinrude* Diagnostic Software to reprogram Engine Management Module (*EMM*) to provide start-in-gear protection. Failure to provide start-in-gear protection could create a risk of personal injury or property damage.

When engine software update to EMM is complete, confirm start-in-gear protection functions as intended.

When delivering outboard to customer, be sure to provide tiller kit installation instructions to the customer.

For questions or other concerns, contact Technical Service.

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EVINRUDE Johnson BRP

Suggested Routing:

☐ Service ☐ Sales ☐ Parts

OUTBOARDS
Pre-Delivery Bulletin

D

Date: December 1, 2008

No. 2008-01(D)

MODELS: All

SUBJECT: Requirements for Outboard Installation on a Jack Plates

~~Replaced by Predelivery Bulletin 2009-01(D)~~

Dear *Evinrude/Johnson*® Dealers:

This communication is to remind *Evinrude/Johnson* dealers of requirements for installing *Evinrude* or *Johnson* outboards on a jack plate.

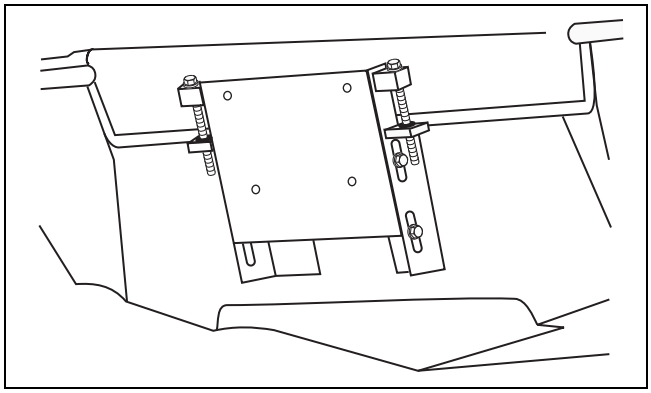
Also refer to the latest Predelivery and Installation Guide.

For the purposes of this bulletin, the term "jack plate" includes: set-back plates or brackets, transom jacks, spacer blocks, spacer plates, hydraulic lifts, manual lifts, motor lifts, or add-on trim units.

Requirements

When mounting an outboard on a jack plate, refer to the jack plate manufacturer's recommendations for maximum weight and horsepower capacities.

IMPORTANT: When installing an *Evinrude* or *Johnson* outboard on a jack plate, the jack plate MUST provide a one-piece mounting surface.



Jack plate with one-piece mounting surface DR5704

NOTICE **A jack plate must provide tilting clearance and be sufficiently strong enough to support the outboard should it strike an underwater object at high speed**.

⚠ WARNING

Failure to mount the outboard on a flat, rigid surface can result in sudden loss of control.

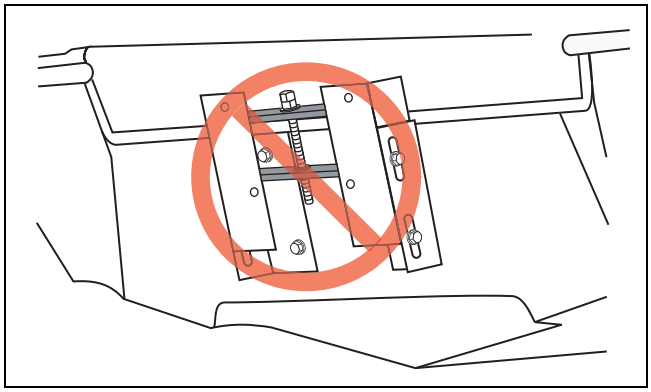
Additional Information

Jack plates with two-piece mounting surfaces do not provide the support needed for the outboard's stern brackets.

Lack of support will cause the outboard's stern brackets to twist, resulting in wear of thrust rollers and tilt tube bushings, which further damages other components, including mounting hardware.

Regardless of jack plate manufacturer's claims, do NOT install *Evinrude* or *Johnson* outboards on a jack plate with a two-piece mounting surface.

IMPORTANT: Damage caused by use of a jack plate with a two-piece mounting surface will NOT be covered by warranty.



Jack plate with two-piece mounting surface DR5703

⚠ WARNING

Use of a jack plate to raise the outboard normally results in an increase in boat speed.

As the outboard is raised, an increase in steering torque occurs which could cause the boat to become unstable.

Operators MUST have sufficient driving skill and MUST drive with care.

This document can be viewed on the DealerPort™ website at www.dealerport.com

EVINRUDE Johnson BRP

OUTBOARDS
Pre-Delivery Bulletin

D

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: December 14, 2008 **No.** 2008-02(D)

MODELS: 2009 *Evinrude® E-TEC®* 25 – 30 HP **SUBJECT:** Installation and Predelivery

Dear *Evinrude/Johnson®* Dealers:

This communication is to inform *Evinrude E-TEC* dealers of the requirements for installing 2009 *Evinrude E-TEC* 25 – 30 HP models.

Refer to the latest Predelivery and Installation Guide for:
- Boat Rigging
- Final Adjustments

Hull Preparation

Maximum Capacity

⚠ WARNING

Do not overpower the boat by installing an outboard that exceeds the horsepower indicated on the boat's capacity plate. Overpowering could result in loss of control.

Before installing outboard:
- Refer to the boat manufacturer's certification label for maximum horsepower rating.
- Refer to ABYC Standards to determine the maximum horsepower capacity for boats without certification labeling.

1029A

Mounting Surface

Inspect transom surface prior to drilling mounting holes.
- The transom should meet ABYC Standards.
- The transom must be flat.
- The transom angle should be approximately 14 degrees.
- Check transom strength and height.

The stern brackets must contact the flat surface of the transom. Modify trim that prevents the stern brackets from resting against the transom surface. Do not modify stern brackets.

⚠ WARNING

DO NOT install an outboard on a curved or irregular surface. Doing so can wear, bind, and damage components, causing loss of control.

Transom Clearances

Make sure the transom and splash well area provide adequate clearances:
- The top edge of the transom should be wide enough to allow full steering travel. The ABYC standard for most single outboard installations is 33 in. (84 cm).
- Check cable and hose routing clearances.
- Make sure there is clearance for mounting bolts and washers. Check the inside area of the transom for obstructions before drilling holes.

This document can be viewed on the DealerPort™ website at www.dealerport.com

3546766

Water Flow

Inspect the hull area directly in front of the mounting location.

- Boat-mounted equipment should not create turbulence in the water flow directly in front of the outboard's gearcase. Turbulence or disruptions in the water flow directly in front of the gearcase will affect engine cooling and propeller performance.
- Avoid locating outboard centerlines within 3 in. (76 mm) of bottom strakes on dual-outboard installations.

Mounting Hardware

⚠ WARNING

Use all mounting hardware supplied with the outboard to help ensure a secure installation. Substituting inferior hardware can result in loss of control.

The required outboard mounting bolts, backing plates, washers, and nuts are are shipped with the outboard.

Refer to the outboard's parts catalog for alternate length mounting bolts or replacement parts.

- Use only *Evinrude/Johnson Genuine Parts* or parts of equivalent type, strength, and material.
- Use the mounting hardware provided with outboard whenever possible.

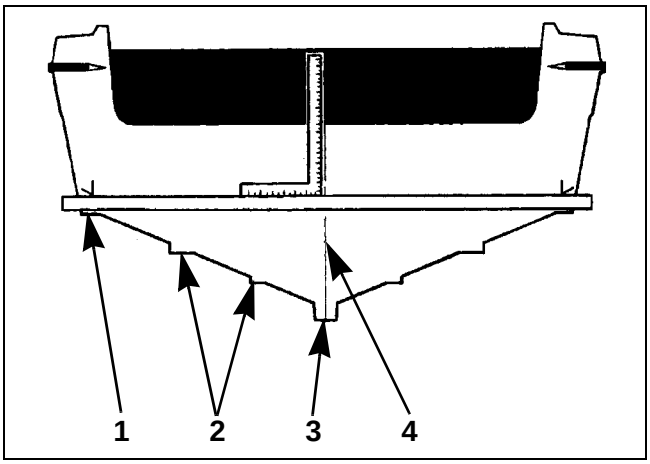
Transom Measuring and Drilling

Hull Centerline

Use the chines of the boat as reference points to locate the centerline of the boat transom.

Use a straightedge to draw a line connecting the port and starboard chines.

Use a framing square to accurately place a vertical line on the transom. The centerline of the hull should be in line with the keel, and perpendicular to the midpoint of the line connecting the chines.



1. *Chine*
2. *Strake*
3. *Keel*
4. *Hull centerline*

DR5568

Transom Height

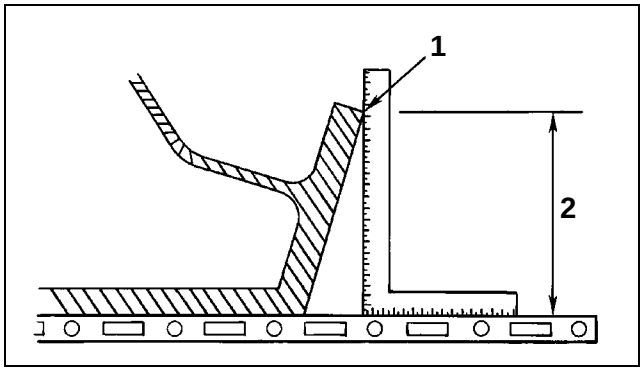
Make sure the transom height matches the length of the outboard to be installed.

- A 19 to 21 in. (48.3 to 53.3 cm) transom height uses a 20 in. (50.8 cm) shaft outboard.
- The shaft length of the outboard being installed should come close to matching the transom height of the boat.

Determine transom height by measuring from the top edge of the transom, along the centerline.

Use a straightedge as a reference to extend the bottom of the boat.

Position the straightedge along centerline. The distance from the top edge of the straightedge to the top edge of the transom is the actual transom height.



1. *Top edge of transom*
2. *Actual transom height*

DR5541

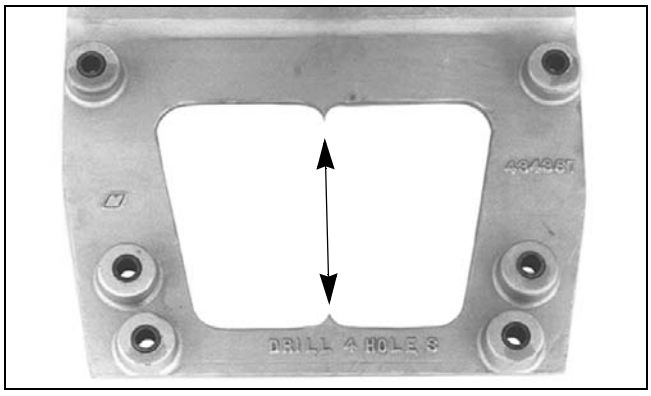
Transom Drilling Locations

POWER TRIM MODELS

All models use the standard ABYC 4-Bolt mounting pattern.

Transom drill fixture, P/N 434367 or P/N 385368, may be used as a guide for correct hole placement. If drill fixture is unavailable, refer to Drilling and Hardware Diagrams on p. 4 for measurements.

Position drill fixture on top of transom or bracket and align indicator points with centerline.



Transom drill fixture P/N 434367 (heavy duty) 24496

The indicators are affected by the squareness of the top edge of the transom. If either side of the fixture must be raised more than ¼ in. (6 mm) above the transom's top surface to make both indicators align, the transom must be modified.

IMPORTANT: DO NOT assume that the top edge of the transom is straight. Position the drill fixture based on measurements aligning it to the bottom of the hull.

IMPORTANT: Maintain at least 1.75 in. (45 mm) of transom surface above the top mounting bolts.

Before drilling any mounting holes:

- Make sure the hole locations provide enough clearance for mounting bolts and washers.
- Check the inside area of the transom for obstructions.
- Check transom height(s) at centerlines.

Drill four ½ in. (13 mm) mounting holes in the appropriate locations.

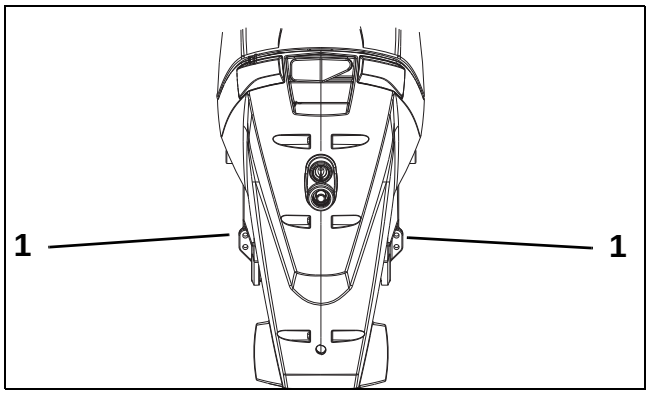
IMPORTANT: Be sure to drill the required holes perpendicular to transom surface.

MANUAL TILT MODELS

Center the outboard on the transom (or mounting bracket) and tighten clamp screws by hand.

Use each stern bracket's mounting holes as a guide to drill holes through the transom.

- 25-30 HP models require two 11/32 in. (8.7 mm) holes.



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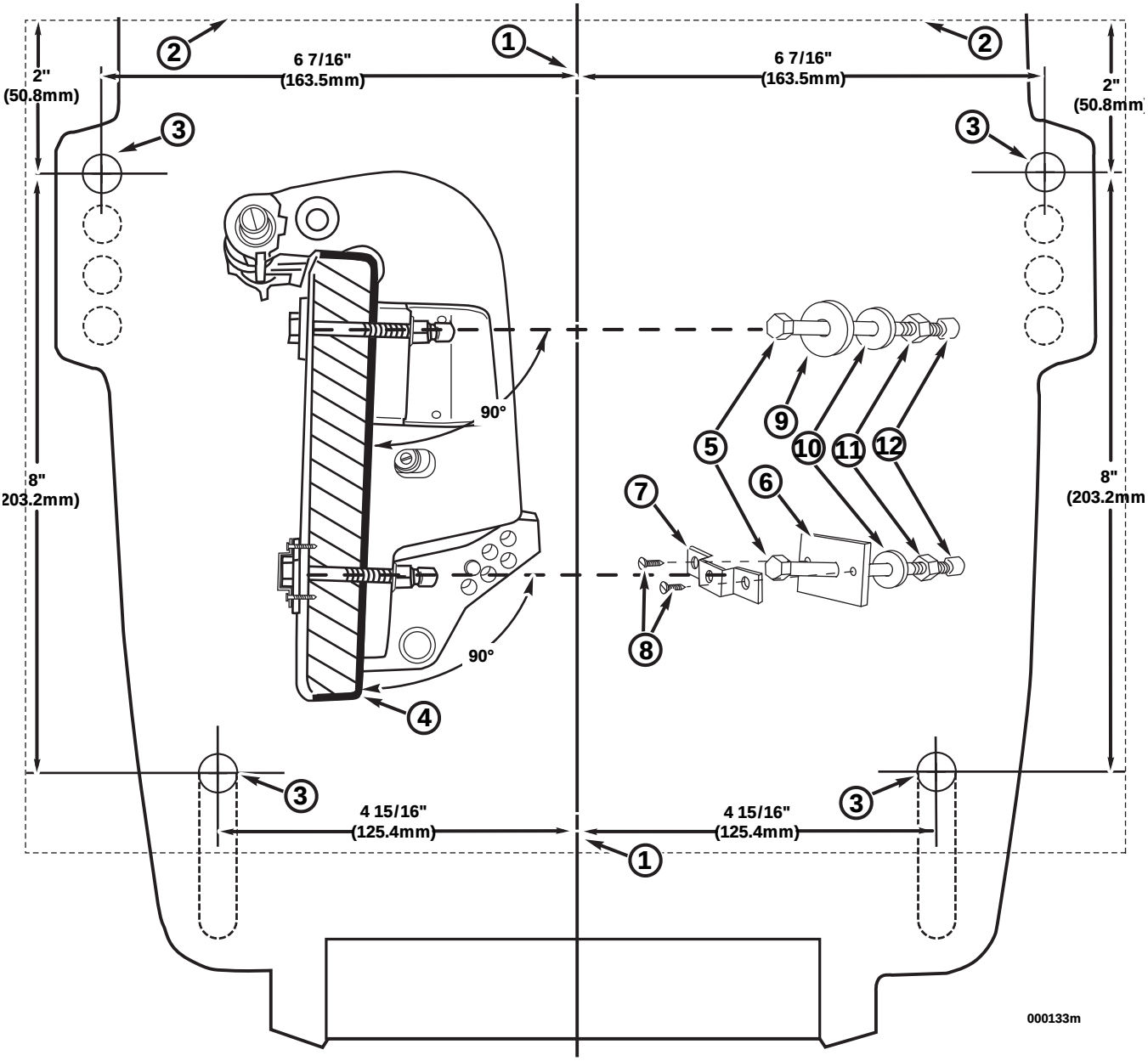
Drilling and Hardware Diagrams

POWER TRIM MODELS

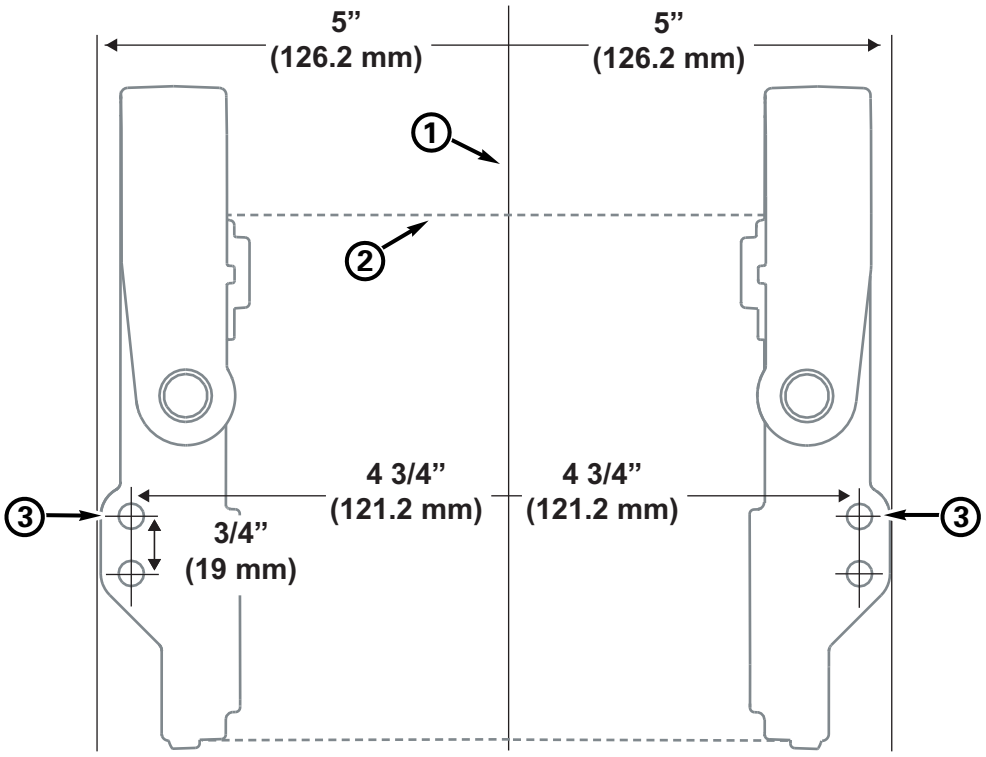
IMPORTANT: This is not a template.

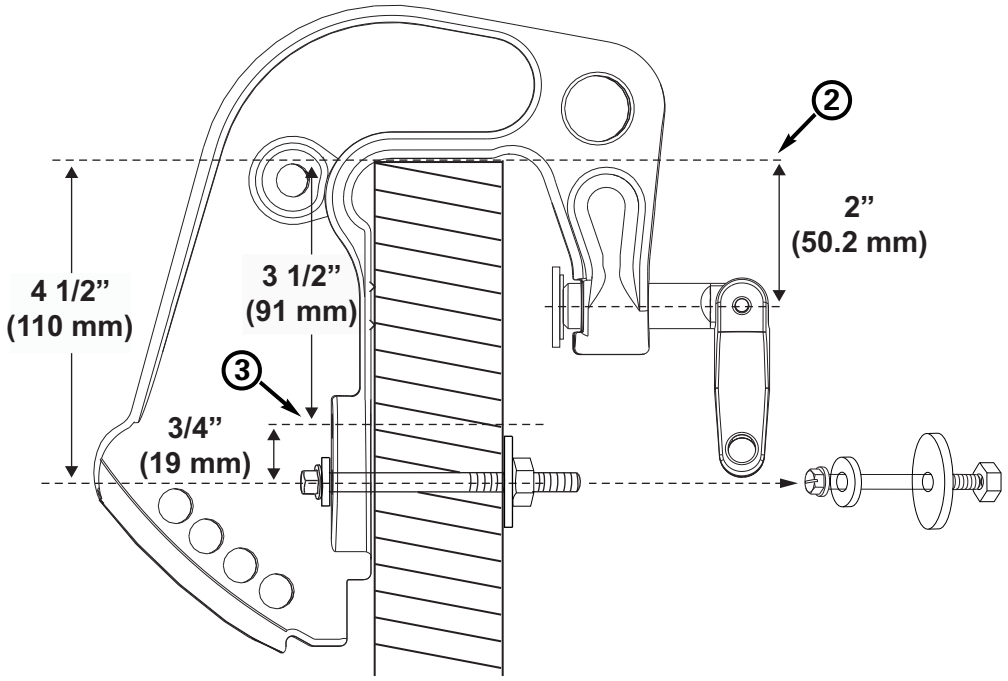


		Quantity	
1. Center of Transom	**5.** Bolt *	4	* Choose from the following bolt sizes:
2. Top of Transom	**6.** 318272 Plate	2	327053 3 in. (76 mm)
3. 1/2” Bolt Hole Locations	**7.** 318273 Retainer	2	318573 3 1/2 in. (89 mm)
4. Outside of Transom	**8.** 319886 Screw	4	313327 4 in. (102 mm)
	9. 307238 Washer	2	336676 4 1/2 in. (114 mm)
	10. 320248 Washer	4	331578 5 in. (127 mm)
	11. 313623 Nut	4	321577 6 in. (152 mm)
	12. 318572 Cap	4	

MANUAL TILT MODELS

IMPORTANT: This is not a template.





1. Center of Transom
2. Top of Transom
3. 11/32” Bolt Hole Locations (use upper or lower)

Lifting the Outboard

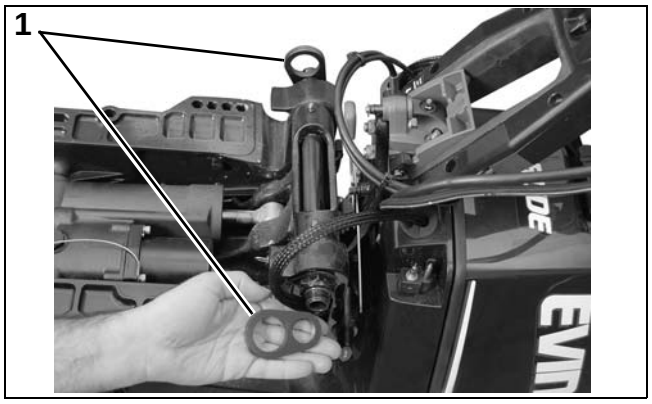
⚠ WARNING

To avoid personal injury, make sure the lifting capacity of the hoist is at least twice the weight of the outboard.

DO NOT allow the lift hook or chain from the hoist to come in contact with any part of the engine during lifting.

Open the shipping carton and remove packing material from top of carton.

Install lifting tool, P/N 354717, on both sides of the tilt tube.



1. Lifting tool, P/N 354717 007122

⚠ WARNING

To avoid personal injury or outboard damage, be sure the lifting tool is fully threaded on both sides of the tilt tube.

Use an appropriate chain, at least 36 inches (91 mm) long with two snap hooks, each capable of lifting 500 lbs. (227 kg).

Attach hooks to lifting device and attach chain to hoist.

⚠ WARNING

Use this tool for horizontal lifting of 30 HP and smaller *Evinrude E-TEC* models ONLY.

DO NOT use this tool to lift outboards larger than 30 HP *Evinrude E-TEC* models.

To avoid personal injury and boat or outboard damage, DO NOT use this tool to install or remove outboard from transom as outboard can unexpectedly tip.

Lift the engine out of the carton.

1. Lifting tool, P/N 354717 007123

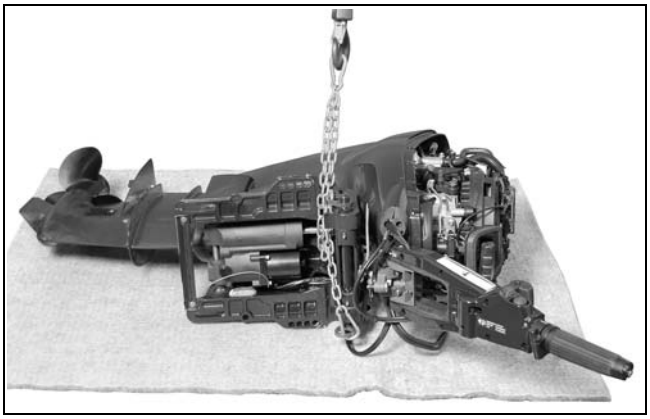
Remove upper motor cover.

Place clean pad or cardboard on the floor.

Lower outboard onto cardboard. Use hoist to carefully roll the outboard onto its port side.

⚠ WARNING

To avoid damage to the outboard, DO NOT allow the outboard to fall unrestrained.



007211

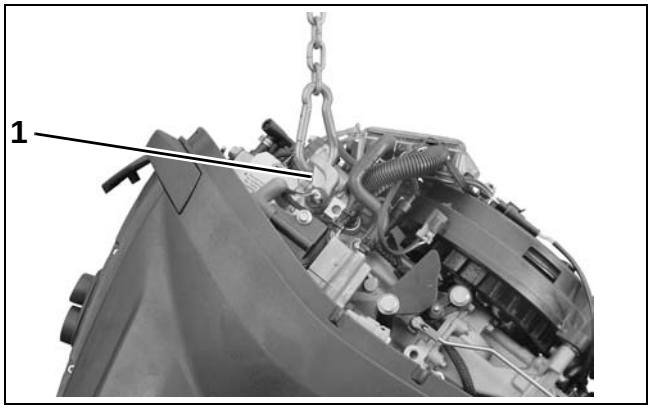
Remove chain from lifting tool.

Remove lifting tool from outboard.

Attach chain to cast in lift eye on back of engine block.

⚠ WARNING

If the chain snap hooks are too large, the cast in lift eye could break causing the outboard to drop suddenly causing personal injury and damaging the outboard.

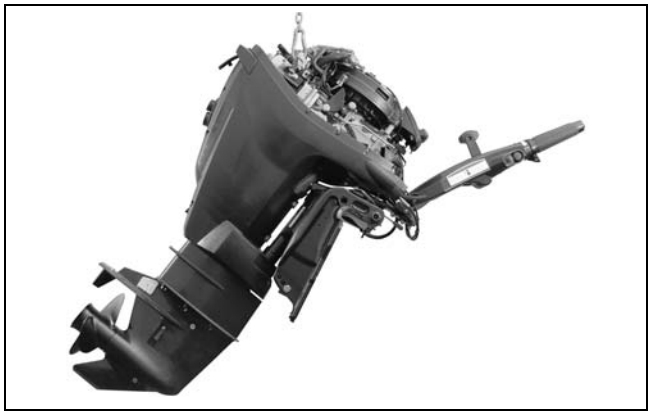


1. Lift eye 007212

Carefully lift engine with hoist.

⚠ WARNING

To avoid damage to the outboard, lift the outboard in one smooth motion. DO NOT allow the outboard to bounce.



007213

Steering Systems

Mechanical Cables

All *Evinrude* outboards equipped with tilt tubes are designed to be compatible with mechanical steering systems that meet ABYC Standard P-17. Single-cable mechanical steering systems can be used on single or dual-outboard installations if an ABYC-approved steering link is used.

Extend the steering cable and lubricate the inner core before installation.

ABYC-approved Mechanical Steering Cable 5873

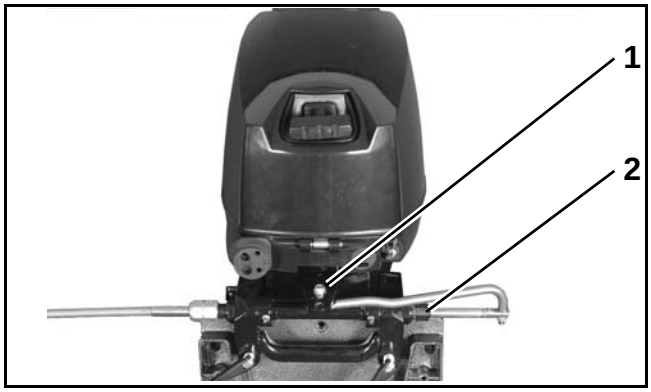
IMPORTANT: Install steering cable through tilt tube **before** mounting outboard on transom. Tighten nut securely.

Steering Connector

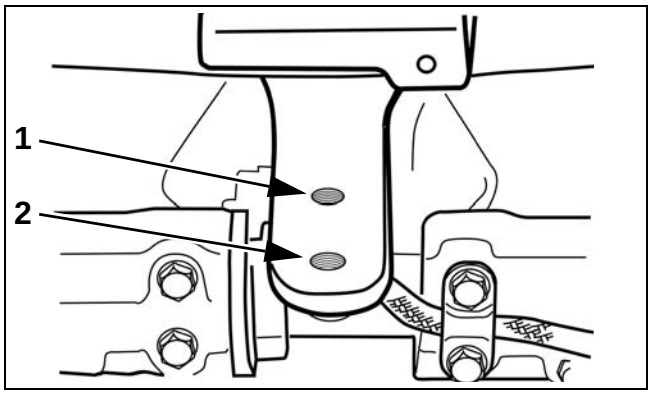
Use steering connector kit, P/N 173699, to allow full steering travel.

Steering Connections

Install cable wiper nut on tilt tube and connect drag link to the rear location on the steering arm. For single engine, single cable applications the drag link should be installed in the rear hole.



1. Drag link connection 007128
2. Wiper nut



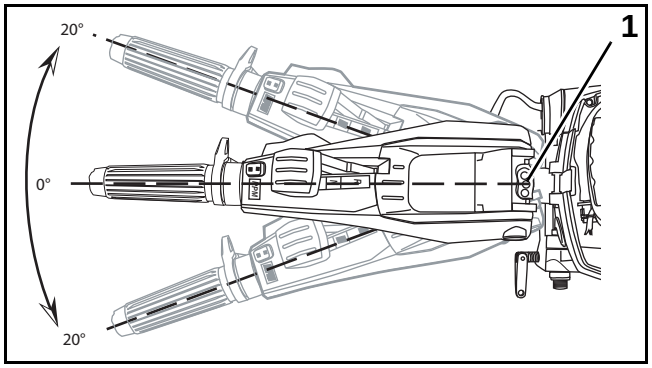
1. *Rear Location –Steering drag link connection* DRC7162
2. *Front Location –Bar connection (multiple outboard installations)*

Tiller Handle Angle Setting

The tiller handle angle can be reset 20° to port or starboard.

1) Remove lock nut and screw from center position.

2) Set tiller arm to desired position. Loosely install screw.



1. *Center position* 007214

3) Check for proper steering clearance with outboard in fully tilted position and in normal operation position.

⚠ CAUTION

To avoid damaging the tiller handle when tilting the outboard up, position the outboard to clear obstacles in the motor well and boat.

4) Tighten screw to a torque of 18 to 20 ft.lbs. (25 to 27 N·m).

5) Hold screw with wrench and tighten lock nut to a torque of 18 to 20 ft.lbs. (25 to 27 N·m).

⚠ WARNING

Improper fastener installation when resetting the tiller handle could result in personal injury due to loss of boat control.

Outboard Mounting

IMPORTANT: Some rigging components, such as steering cables, must be fitted to the outboard before the outboard is mounted to the transom. Determine what equipment will be installed before mounting.

Mounting Height

Boat performance depends on outboard mounting height.

Generally, the anti-ventilation plate of the gearcase should align with the bottom of the hull. Conventional V-hulls often perform well with the anti-ventilation plate approximately 1 in. (25 mm) above the bottom of the hull.

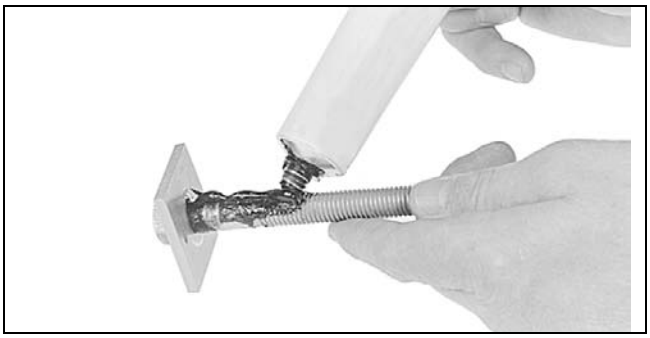
Test outboard and boat performance at different heights until the best performance is achieved.

IMPORTANT: Be sure that outboard water pressure is not adversely affected by the mounting height of the outboard.

Mounting Bolt Installation

IMPORTANT: Use a marine sealant rated for above or below waterline use. RTV silicone is not approved for below waterline use. Polyurethane sealants are not easily removed and may damage outboard or boat mounting surfaces.

Apply marine sealer under hex heads of bolts, on the mounting plates, and to the bolt shanks.

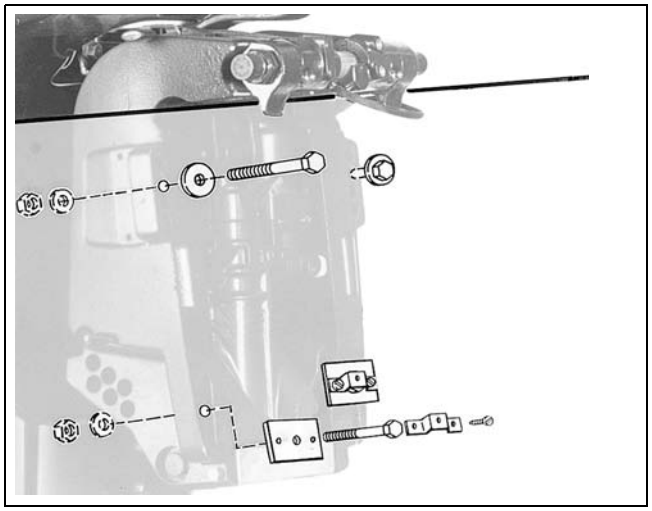


0078A

POWER TRIM MODELS

Assemble transom mounting plates on mounting bolts.

Install the mounting bolts through the transom from the inside of the boat.



DR5536

Position the square aluminum transom mounting plates (when applicable) so the retainer holes are horizontal.

Position hex head of bolt with flats toward holes in the mounting plates. Install retainer over hex head of the bolt and secure it with screws provided.

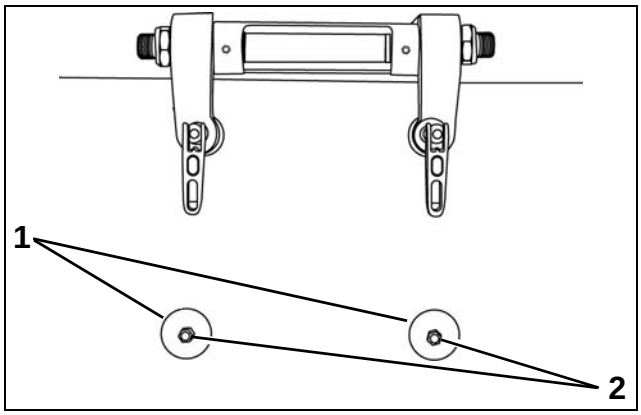
Install all washers and nuts. Tighten to a torque of 40 ft. lbs. (54 N·m).

⚠ WARNING

If either side of the transom deforms or cracks when the bolts are tightened to their recommended torque, the transom construction may not be adequate or may be deteriorated. Structural failure of the transom could result in loss of boat control and injury to the occupants.

MANUAL TILT MODELS

Install the mounting bolts through the stern brackets and transom. Install round backing plates and locknuts onto bolts and tighten securely.

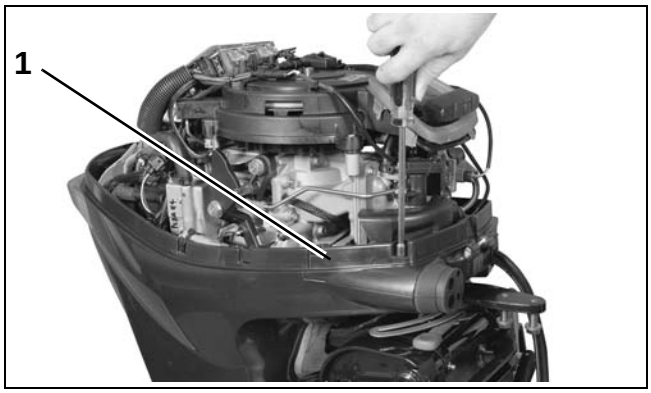


1. Round backing plates 18961
2. Locknuts

Outboard Rigging

Control Cable Installation

Remove cable entry grommet cover. Remove top half of cable entry grommet.



1. Cable entry grommet cover 007120

NOTE: Removal of lower motor covers is NOT required. Some of the images in this bulletin show lower covers removed for clear illustration.

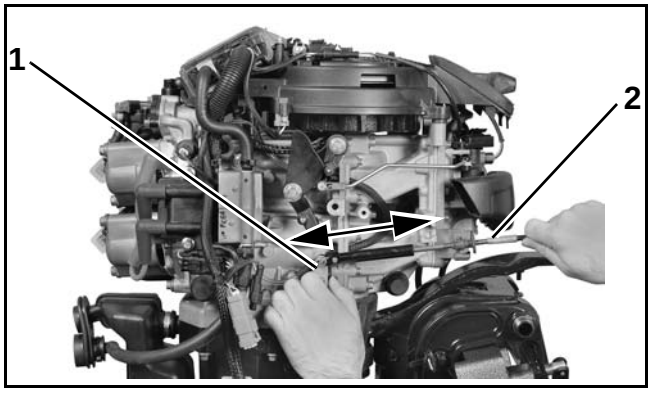
Shift Cable

Confirm that the remote control, gearcase, shift linkage, and shift cable are in NEUTRAL.

Position shift cable on the shift lever pin. Install washer and retainer clip.

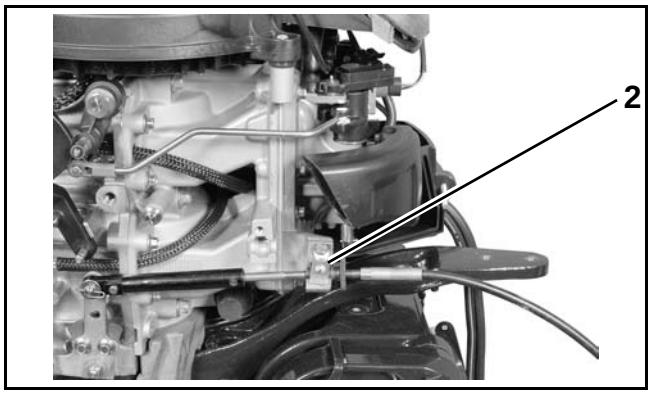
Hold the shift linkage in NEUTRAL and grab the shift cable firmly. Push and pull on the shift cable and observe the cable slack. Position the casing guide in the center of the slack.

Adjust the shift cable trunnion to align with the center of the trunnion block.



1. Shift linkage 007215
2. Shift cable

Install cable retainer and tighten screw to a torque of 60 to 84 in. lbs. (7 to 9.5 N·m).



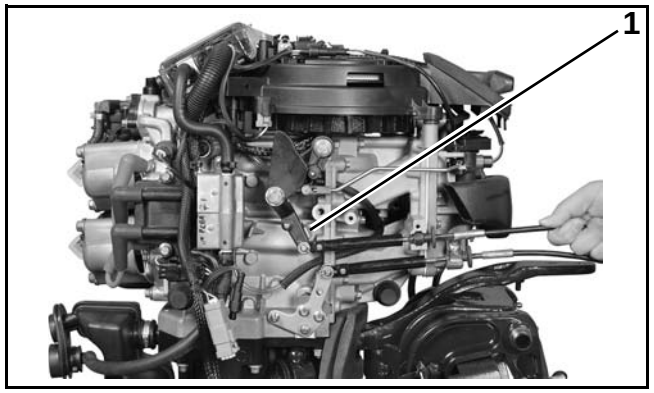
1. Cable retainer 007121

Throttle Cable

Rotate the propeller shaft and shift the remote control into FORWARD. Next pull remote control lever half-way back to NEUTRAL.

Position throttle cable on the throttle lever pin. Install washer and retainer clip.

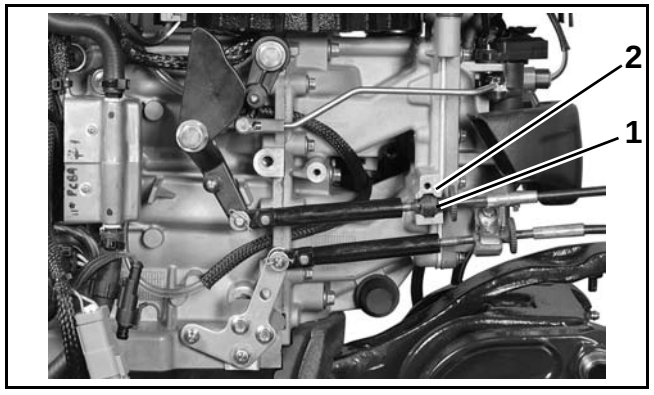
With remote control lever attached to the throttle linkage, pull cable to remove slack and ensure that the idle stop of the throttle linkage is against the crankcase.



1. Idle stop 007216

Adjust the throttle cable trunnion to align with the trunnion block. Place the throttle cable in the trunnion block.

IMPORTANT: Do not pre-load throttle cable. Make sure that the idle stop on the throttle linkage lightly contacts the crankcase when the remote control is in the IDLE position.



1. Throttle cable trunnion 007217
2. Trunnion block

Install cable retainer and tighten screw to a torque of 60 to 84 in. lbs. (7 to 9.5 N·m).

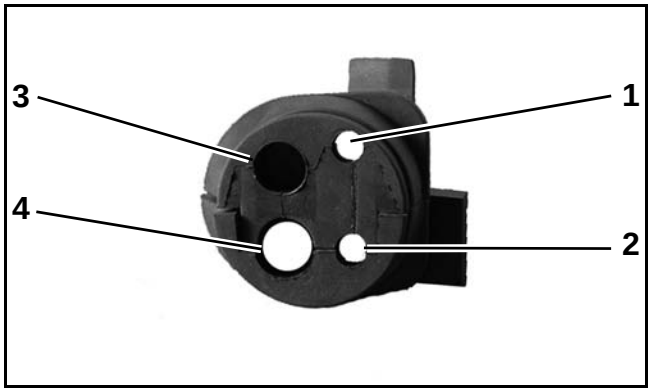
Harness Routing

If removed, reinstall lower motor cover(s).

Place the bottom half of cable entry grommet into position in the lower motor cover.

Remove rubber membrane from grommet holes as needed.

Install cables and wiring harness(es) through grommet as shown:

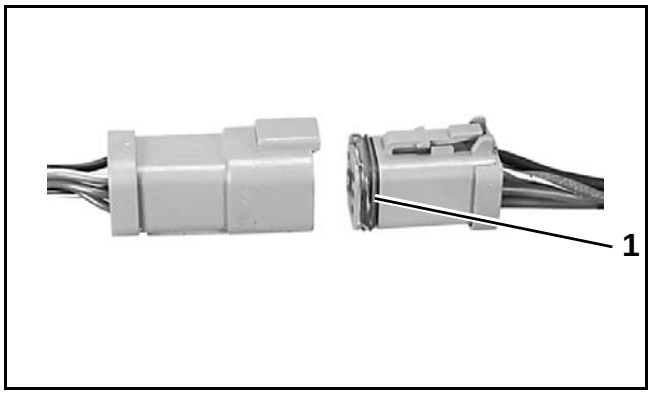


1. *Throttle cable* 007129
2. *Shift cable*
3. *Tiller wiring harness*
4. *MWS or CANbus harness*

Route all wires to avoid contact with moving parts.

Electrical Harness Connections

Before installing electrical connectors, check that the seal is in place. Clean off any dirt from connectors. Apply a light coat of *Electrical Grease*™ to the seal.

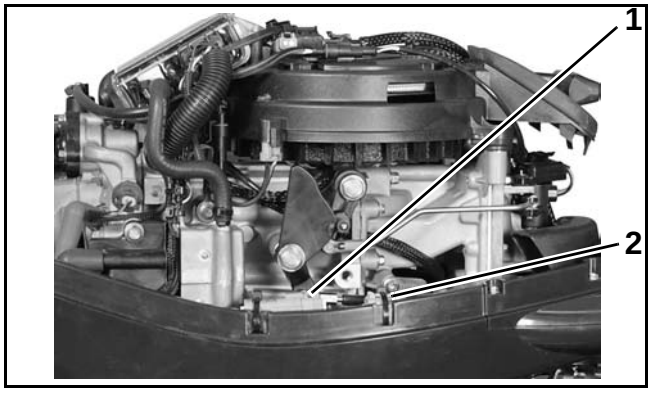


1. *Seal* 42079a

Push MWS connectors together until securely latched.

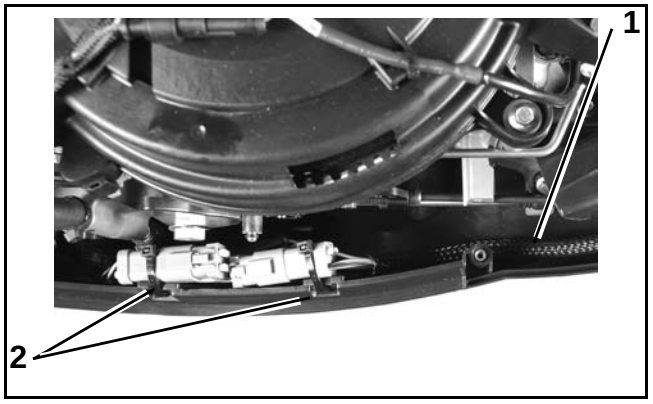
The *EMM* provides tachometer and LOW OIL warning signals only. Refer to **Engine Monitoring** in the Operator's Guide, for warning information.

Route key switch and tachometer harness along the edge of the lower engine cover.



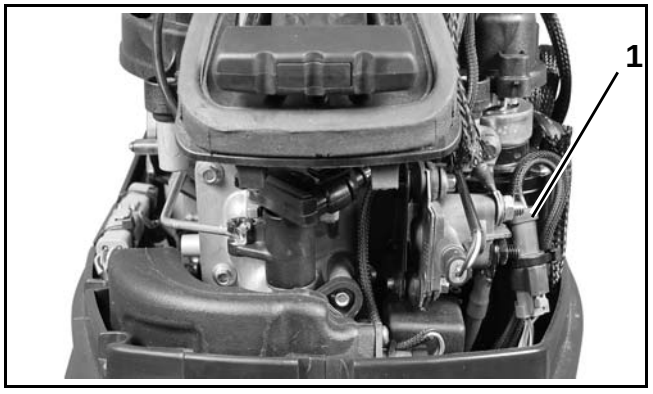
1. *Key switch connector* 007257
2. *Tachometer connector*

Secure connectors to lower motor cover with two tie straps as shown.



1. *Wire routing* 007125
2. *Secure with two tie straps*

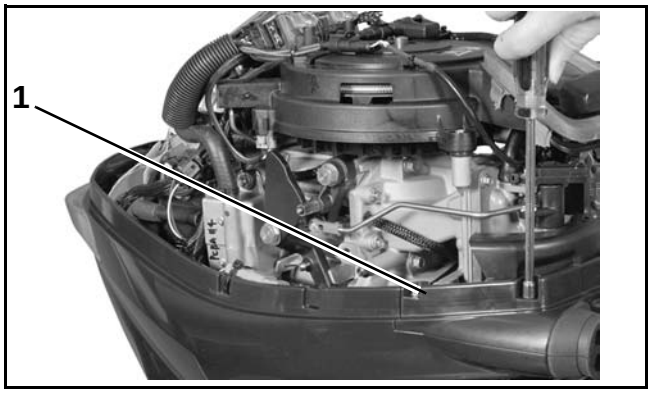
Route trim and tilt connector under air silencer. Use tie strap to secure connector as shown.



1. *Trim and tilt connector* 007258

Install top half of cable entry grommet.

Install cable entry grommet cover.

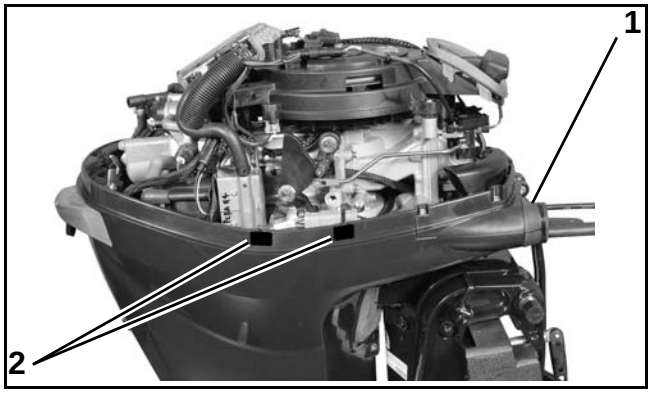


1. Cable entry grommet cover 007126

Tighten tie strap, P/N 320107, around the outside of the grommet to form a seal around the cables.

Position blank sealing decal, P/N 354709, on lip of lower motor cover at each tie strap to prevent water intrusion.

If sealing decal is not available, use an equivalent water proof tape.

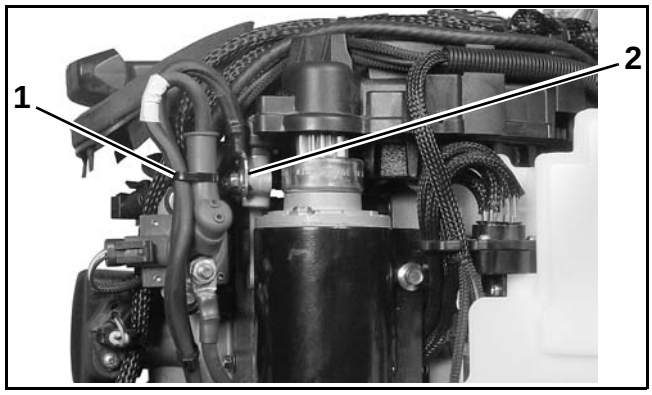


1. Tie strap 007127
1. Blank sealing decal

Battery Cable

Install cable battery cables as shown.

Use a tie strap to secure battery cables as shown.



1. Tie strap 007240
2. Battery cable ground

Route battery cable through grommet of port lower motor cover.

BE SURE all harnesses and wires are not pinched, and do not interfere with moving throttle or shift linkages.

Fuel Requirements

⚠ WARNING

Gasoline is extremely flammable and highly explosive under certain conditions. Improper handling of fuel could result in property damage, serious injury or death.

Always turn off the outboard before fueling.

Never permit anyone other than an adult to refill the fuel tank.

Do not fill the fuel tank all the way to the top or fuel may overflow when it expands due to heating by the sun.

Remove portable fuel tanks from the boat before fueling.

Always wipe off any fuel spillage.

Do not smoke, allow open flames or sparks, or use electrical devices such as cellular phones in the vicinity of a fuel leak or while fueling.

Minimum Octane

Evinrude E-TEC outboards are certified to operate on unleaded automotive gasoline with an octane rating equal to or higher than:

- 87 (R+M)/2 AKI, or
- 90 RON

Use unleaded gasoline that contains methyl tertiary butyl ether (MTBE) **ONLY** if the MTBE content does not exceed 15% by volume.

Use alcohol-extended fuels **ONLY** if the alcohol content does not exceed:

- 10% ethanol by volume
- 5% methanol with 5% cosolvents by volume

When using alcohol-extended fuels, be aware of the following:

- The boat's fuel system may have different requirements regarding the use of alcohol fuels. Refer to the boat's owner guide.
- Alcohol attracts and holds moisture that can cause corrosion of metallic parts in the fuel system.
- Alcohol blended fuel can cause engine performance problems.
- All parts of the fuel system should be inspected frequently and replaced if signs of deterioration or fuel leakage are found. Inspect at least annually.

IMPORTANT: Always use fresh gasoline. Gasoline will oxidize, resulting in loss of octane and volatile compounds, as well as the production of gum and varnish deposits which can damage the outboard.

Additives

IMPORTANT: The only fuel additives approved for use in *Evinrude* outboards are *2+4*® fuel conditioner and *Evinrude/Johnson* Fuel System Cleaner. **Use of other fuel additives can result in poor performance or engine damage.**

Evinrude/Johnson 2+4 **Fuel Conditioner** will help prevent gum and varnish deposits from forming in fuel system components and will remove moisture from the fuel system. It can be used continuously and should be used during any period when the outboard is not being operated on a regular basis. Its use will reduce spark plug fouling, fuel system icing, and fuel system component deterioration.

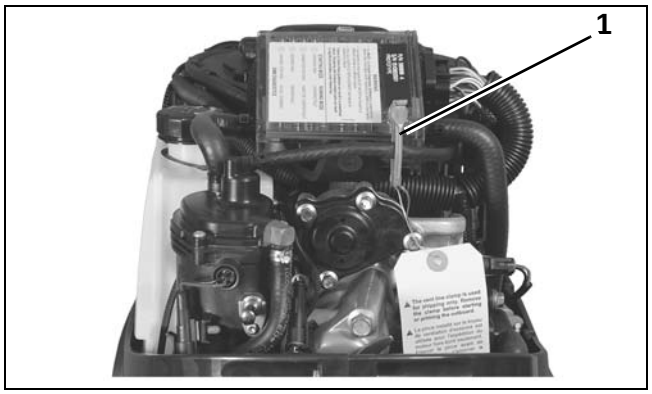
Evinrude/Johnson **Fuel System Cleaner** will help keep fuel injectors in good operating condition.

Fuel System Priming

Vent Line Clamp

In compliance with Code of Federal Regulations, 49 CFR §173.220, all outboards using a fuel vapor separator must be shipped with a vent line clamp installed. This clamp must be removed before

priming the fuel system or starting the outboard for the first time.



1. Vent line clamp 007131

IMPORTANT: Failure to remove the clamp may cause fuel starvation and poor running qualities.

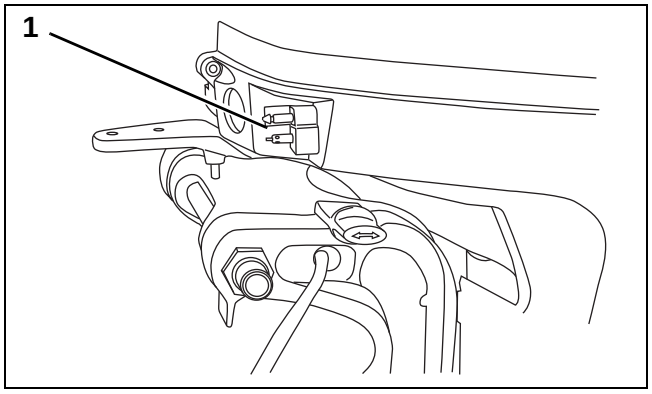
Priming the Fuel System

⚠ WARNING

Fuel vapors are highly flammable. Perform the following procedure in a well ventilated area. Extinguish all smoking materials and make certain no ignition sources are present.

The outboard must be primed when it is new or if run out of fuel.

Connect the fuel hose to the fuel connector fitting.



1. Fuel connector fitting 007004

Squeeze fuel primer bulb, outlet end up, until firm.

Observe all fuel lines, both in the boat and on the outboard. Repair any fuel leaks.

⚠ WARNING

Failure to check for fuel leaks could allow a leak to go undetected, resulting in fire or explosion and may cause personal injury or property damage.

The high-pressure fuel circuits and injectors will prime as the outboard is cranked with the starter.

Oil Requirements

Evinrude/Johnson XD100, XD50 or XD30 are recommended for use in *Evinrude E-TEC* outboards. If these oils are not available you must use a TC-W3 certified oil.

Evinrude/Johnson XD100 outboard oil is highly recommended for all conditions and applications.

When operating in conditions under 40°F (4°C), *Evinrude/Johnson XD100* oil is recommended. When operating in conditions under 32°F (0°C), *Evinrude/Johnson XD100* oil, must be used.

IMPORTANT: Failure to follow oil specifications could void the engine warranty if a lubrication-related failure occurs.

Oil Injection Rate

The Engine Management Module (*EMM*) controls the oil injection rate based on engine RPM. *Evinrude Diagnostics* software provides an option to change the oil type setting on these models.

The TC-W3 oil type setting is the standard setting for all outboards. Set TC-W3 for:

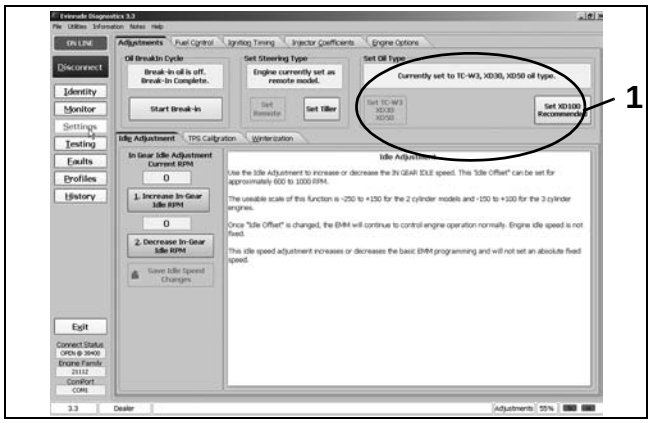
- Operation with all TC-W3 outboard oils including *XD30, XD50, or XD100*.
- Applications requiring maximum lubrication.
- Extreme applications (commercial use, racing or other high performance applications).

Use the TC-W3 oil type setting with *XD-100* outboard oil in extreme applications.

The *XD100* setting provides an option to run the outboard at a reduced oil injection rate. This setting REQUIRES the use of *Evinrude XD100* outboard lubricant.

Use the *XD100* setting for:

- Conventional use (runabouts, cruisers)
- Moderate applications



1. Oil control setting 007091

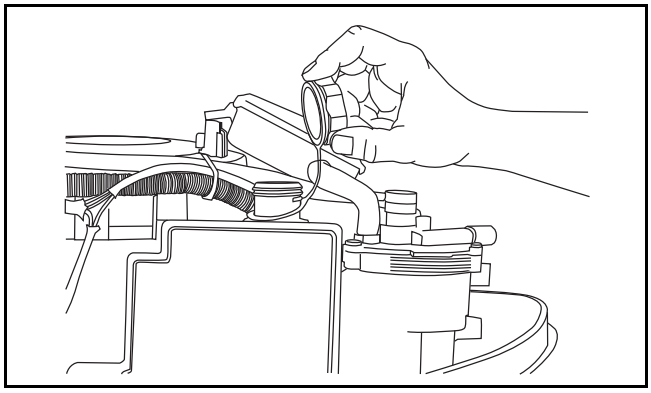
Running an *Evinrude E-TEC* outboard on other grades of oil while set to the *XD100* oil type setting will result in increased engine wear and shortened outboard life.

Powerhead oil programming labels are provided to identify *EMM* oil programming. Install the correct label to alert user to specific oil requirements.

Filling the Oil Tank

IMPORTANT: The oil tank capacity is 1.5 quarts (1.4 liters).

Remove the upper motor cover. Remove the filler cap and fill the tank with the recommended outboard lubricant.



007003

Replace the filler cap and tighten securely. Reinstall the engine cover.

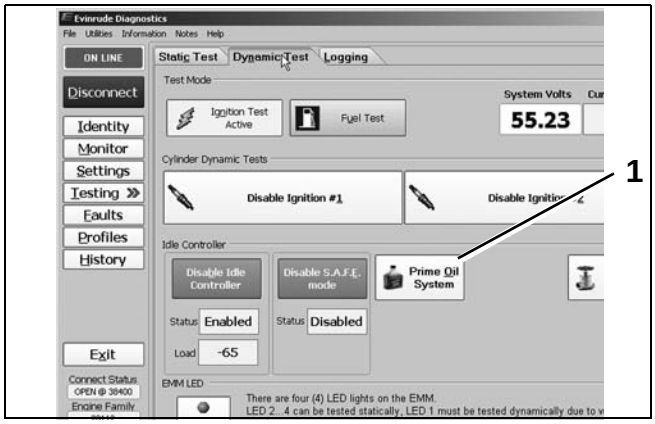
Priming the Oil System

The oiling system must be primed before using the outboard if:

- The outboard is new.
- The outboard is run completely out of oil.
- The outboard is transported or stored in a horizontal position (laid down).

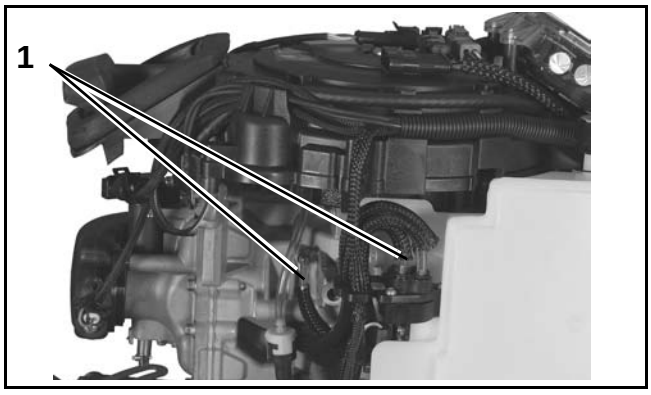
Follow these steps for initial outboard set-up:

- Fill the oil tank with *XD100, XD50*, or *XD30* oil.
- Use *Evinrude Diagnostics* software to confirm that the *EMM* is programmed for the type of oil being used.
- Start the outboard and use *Evinrude Diagnostics* software oil priming function for a minimum of 90 seconds to make sure the system is completely primed.



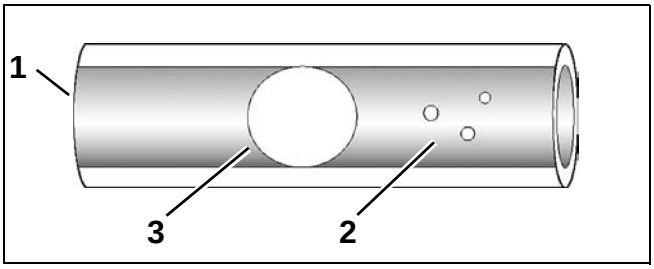
Dynamic Tests Screen 006546
1. Prime Oil button

Observe oil flow through the oil distribution hoses.



1. Oil distribution hoses 007130

Small bubbles are acceptable. Large bubbles must be eliminated through continued priming.



1. Oil distribution hose 004398
2. Small bubbles
3. Large bubbles

IMPORTANT: All clear “blue” oil distribution hoses on the powerhead should fill with oil as the air is purged from the lines.

Repair any oil leaks.

The oiling system can also be primed using the Self-Winterizing feature if the diagnostic software is not available. Refer to Long Term Storage in the **Operator’s Guide**.

Break-In Oil

At delivery, advise the customer that new outboards are programmed to use additional oil during the first two hours of operation above 2000 RPM.

IMPORTANT: The operator must monitor the oil tank level to confirm oil consumption. This may require several hours of operation above idle.

Running Checks

⚠ WARNING

DO NOT run outboard without a water supply to the outboard’s cooling system. Cooling system and/or powerhead damage could occur.

⚠ DANGER

DO NOT run the engine indoors or without adequate ventilation or permit exhaust fumes to accumulate in confined areas. Engine exhaust contains carbon monoxide which, if inhaled, can cause serious brain damage or death.

⚠ DANGER

Contact with a rotating propeller is likely to result in serious injury or death. Assure the engine and prop area is clear of people and objects before starting engine or operating boat. Do not allow anyone near a propeller, even when the engine is off. Blades can be sharp and the propeller can continue to turn even after the engine is off.

Fuel System

Perform running checks of the fuel system by following these steps:

- Squeeze fuel primer bulb until hard or activate electric primer. Observe all fuel hoses and connections. Repair any leaks.
- Start outboard. Inspect all hoses and connections. Repair any leaks or mis-routed hoses immediately.

Emergency Stop / Key Switch

Check emergency stop function. With outboard running at IDLE, pull safety lanyard from emergency stop switch. Outboard must stop immediately.

Remote Control Operation

Make sure that control can be easily moved into all gear and throttle settings. Do not shift remote control when outboard is not running.

Start-In-Gear Prevention

⚠ WARNING

Make certain that the outboard will not start when in gear. The start-in-gear prevention feature is required by the United States Coast Guard to help prevent personal injuries.

Start outboard and shift to FORWARD.

Turn outboard OFF while control is in FORWARD.

Try to restart the outboard. Outboard should not start.

Shift back to NEUTRAL and restart outboard.

Shift to REVERSE. Turn outboard OFF while control is in REVERSE.

Try to restart the outboard. Outboard should not start.

Tachometer Pulse Setting

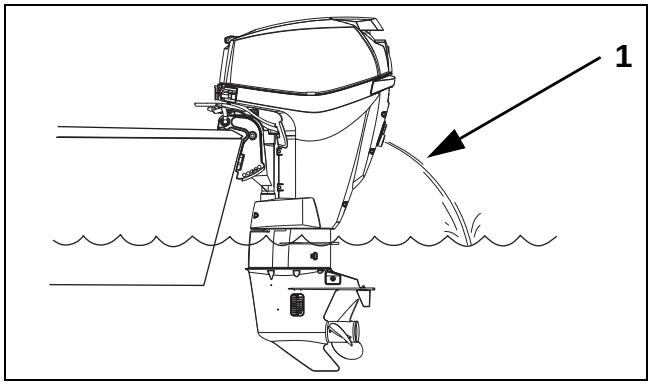
Confirm accuracy of tachometer reading.

- Adjust dial on back of tachometer to required setting (the outboard should not be running).

Outboard Model	Tachometer Setting
25-30 HP	6 Pulse or 12 Pole

Water Pump Overboard Indicator

A steady stream of water should flow from the overboard indicator.



1. Water pump overboard indicator 007031

Operating Temperature

An outboard run at idle speed should achieve a temperature based on the engine's thermostatic control. In general, the powerhead temperature should reach at least 104°F (40°C) after five minutes of idling. Check that the powerhead reaches idle temperature.

Idle Speed

Make sure the outboard idles within the specified idle RPM range. If the outboard is run on a flushing device, the idle speed and quality may not be representative of actual in water use.

Break-In

When the outboard is delivered, refer the customer to the break-in information in the **Operator's Guide**.

The Engine Management Module (*EMM*) automatically supplies extra oil to the engine during the first two hours of operation, above 2000 RPM.

Use *Evinrude Diagnostics* software to confirm that the break-in program has been started.

Propellers

Propeller Selection

⚠ WARNING

Selection of the wrong propeller could reduce engine service life, affect boat performance, or cause serious damage to the powerhead.

Water testing with various propeller designs and sizes is the best method of propeller selection.

The correct propeller, under normal load conditions, will allow the engine to run near the midpoint of the RPM operating range at full throttle.

IMPORTANT: If the propeller blades have too much pitch, the engine will operate below its normal range at full throttle. Power will be lost, and powerhead damage could occur. If the propeller blades have too little pitch, the engine will operate above its normal range and damage from overspeeding could occur.

When selecting a propeller, consider the following:

- Use an accurate tachometer to determine the engine's full-throttle RPM.
- The outboard should be trimmed for top speed.
- Select a propeller that suits the customer's application and allows the engine to run near the midpoint of the full-throttle operating range when the boat has a normal load.
- Occasionally, one propeller will not cover a wide range of boat applications. In such cases, it might be necessary to have a propeller for each situation.
- Refer to the *Evinrude/Johnson Genuine Parts and Accessories Catalog* for propeller styles and sizes.

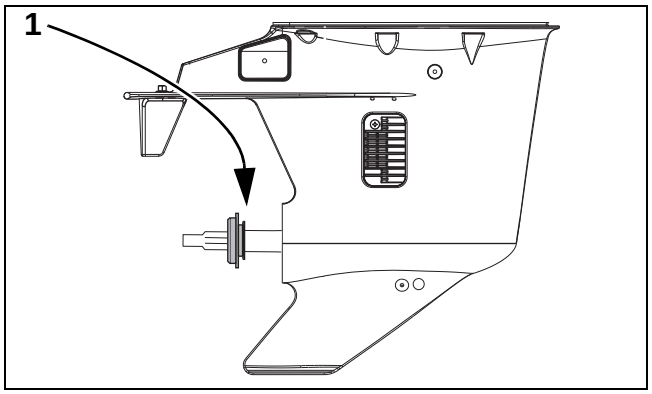
Propeller Hardware Installation

⚠ WARNING

When servicing the propeller, always shift the outboard to NEUTRAL, turn the key switch OFF, and twist and remove all spark plug leads so the engine cannot be started accidentally.

Apply *Triple-Guard* grease to the entire propeller shaft before installing the propeller.

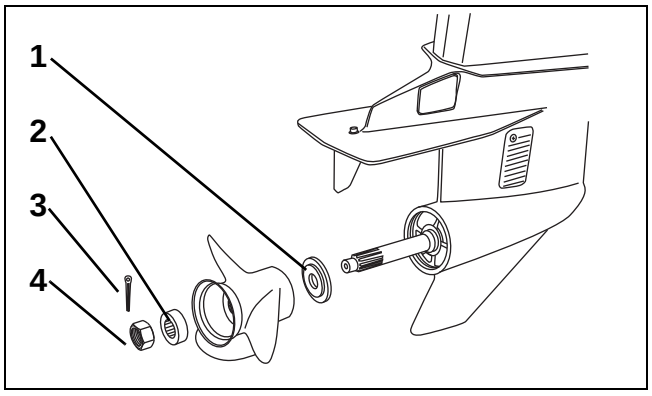
Install thrust bushing onto propeller shaft with fishline trap groove facing forward. Taper of bushing must match taper of propeller shaft.



1. Fishline trap groove 007054

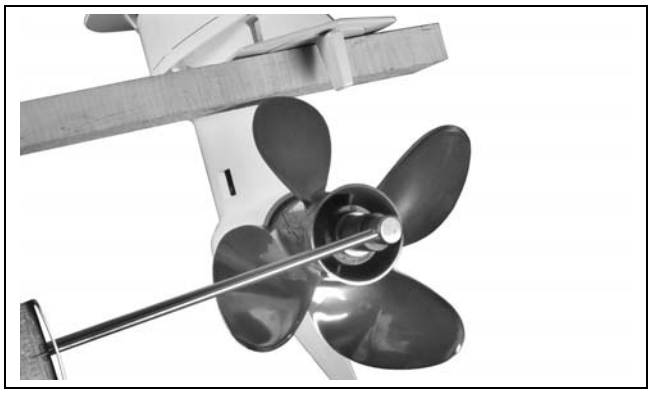
Install propeller on propeller shaft by aligning splines and pushing until seated on the thrust bushing.

Install the spacer, engaging the propeller shaft splines.



1. Thrust bushing 007055
2. Spacer
3. Cotter pin
4. Propeller Nut

Wedge a block of wood between propeller blade and the anti-ventilation plate.



001992

Install the propeller nut and tighten to a torque of:
- 120 to 144 in. lbs. (13.6 to 16.3 N·m)

If cotter pin holes in the propeller nut and propeller shaft are not aligned, tighten the nut until they are in line. Do not loosen.

Insert a new cotter pin through the propeller nut and shaft. Bend its ends over the nut to secure the assembly.

After fastening propeller nut, make sure outboard is in NEUTRAL and carefully spin propeller. Propeller must turn freely and should not spin off center. If propeller appears to wobble, check for possible bent propeller shaft.

EVINRUDE E-TEC

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

OUTBOARDS

Predelivery
Bulletin

D

Date: Oct. 30, 2009 **No.** 2009-01(D)

MODELS: All **SUBJECT:** Outboard Jack Plates and Hardware

Replaces Predelivery Bulletin 2008-01(D)

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of requirements for installing outboards on a transom bracket or jack plate.

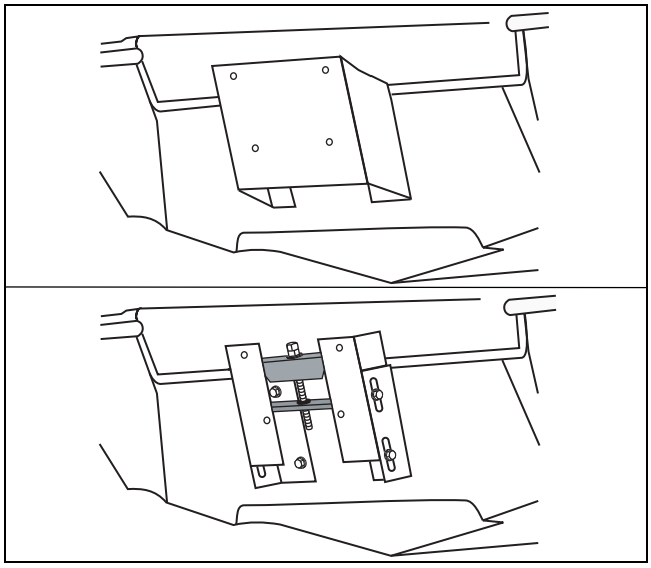
Jack Plate Recommendations

When selecting a jack plate:

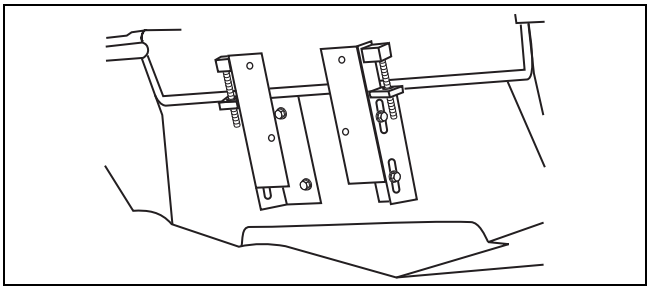
- Refer to the manufacturer's recommendations for maximum weight and horsepower.
- The jack plate must provide a rigid, one-piece mounting assembly—either a solid surface, or surfaces adequately connected to prevent flexing or twisting.
- DO NOT use a jack plate constructed in two separate pieces—lack of support can twist the stern brackets, wear tilt tube bushings and thrust rollers, and bend or break components.

IMPORTANT: Damage caused by use of a two-piece jack plate or unstable mounting surface will not be covered by warranty.

Recommended Designs



Not Recommended



Mounting Hardware Requirements

Whenever possible, use mounting hardware supplied with the outboard to install jack plate on transom. Tighten to a torque of 40 ft. lbs. (54 N·m).

Use hardware supplied with jack plate to install outboard on plate. Refer to manufacturer’s torque specifications.

If alternate length mounting bolts or replacement parts are required, use only original equipment, or parts of equivalent type, strength, and material. Refer to Parts and Accessories Bulletin 2009-01(P).

IMPORTANT: Standard screws offered by local merchants may not provide the high strength required for outboard installations.

NOTICE **To prevent damage to outboard, check installation frequently for:**

- **Loose mounting bolts and nuts**
- **Loose tilt tube or steering cable nuts**
- **Elongated mounting holes**
- **Bent or deformed washers**

Replace any hardware that fails to maintain torque.

EVINRUDE E-TEC

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

OUTBOARDS

Predelivery
Bulletin

D

Date: June 8, 2010 **No.** 2010-01(D)

MODELS: All

SUBJECT: Predelivery Procedures

Replaces Predelivery Bulletin 2003-01(D) and to be used for all *Evinrude E-TEC* outboards.

Dear *Evinrude/Johnson* ® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of the new *Predelivery Checklist* included in the shipping crate (owner's package) of all *Evinrude E-TEC* outboards. A pack of ten (10) predelivery checklists forms, P/N 5008381, is available through *Evinrude/Johnson* Genuine Parts. (See sample *Predelivery Checklist* page 2.)

Dealers are required to perform a complete predelivery inspection on each outboard. Always reference *Evinrude* and *Johnson* publications to support required installation procedures. As part of ongoing dealer evaluations, your BRP representative may ask to see dealer service records to confirm the use of predelivery checklists.

IMPORTANT: Dealers MUST keep predelivery checklists on file for a minimum of seven years.

PREDELIVERY CHECKLIST

Use the *Predelivery Checklist* to ensure a complete predelivery inspection is performed on each *Evinrude E-TEC* outboard before the outboard is delivered to the owner or the operator. Outboards installed by boat manufacturers also require a complete predelivery inspection.

Dealer Original Copy (WHITE)

Review the *Predelivery Checklist* at time of customer delivery and have the customer sign the bottom of the *Predelivery Checklist.* Keep the signed original WHITE copy of the completed *Predelivery Checklist* in dealer records.

Customer Copy (PINK)

Review the *Predelivery Checklist* at the time of delivery with customer. Give the customer the PINK copy of the completed *Predelivery Checklist* for their records.

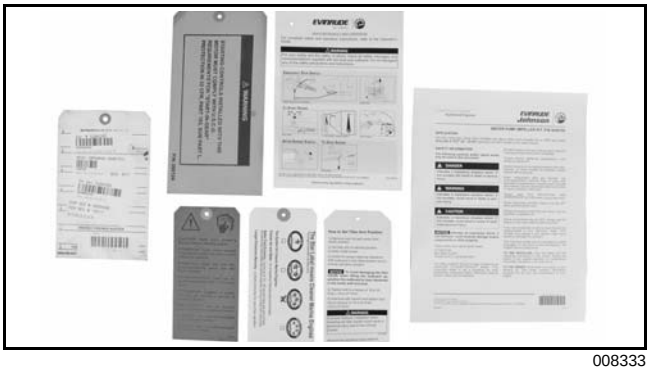
Be sure outboard owner and operator receive the Operator's Guide for the *Evinrude E-TEC* outboard. Dealers MUST inform customers about the operation, maintenance, safety features and warranty policy of the outboard.

Service Department Copy (YELLOW)

Keep the YELLOW copy of the completed *Predelivery Checklist* with the dealer service records for each engine.

INSTRUCTION SHEETS AND LABELS

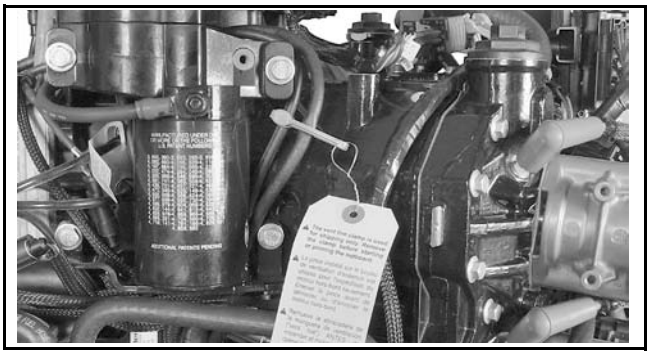
Keep all tags and labels shipped with engines; and all instruction sheets related to the outboard's installation and use. Give these labels and instructions to the owner or the operator of the outboard.



008333

VAPOR SEPERATOR VENT CLAMP

The vapor separator vent clamp is ONLY used for shipping. Remove the vapor separator vent clamp before running the outboard.



Vapor Separator Vent Clamp 004223

PREDELIVERY CHECKLIST

EVINRUDE E-TEC

OB	MODEL NUMBER	SERIAL NUMBER	KEY NUMBER
1			
2			
3			
4			
5			

355441

IMPORTANT: Use this Checklist together with the *Evinrude E-TEC* Installation and Predelivery Guide, or the correct Service Manual. Dealer must keep this document on file for a minimum of seven years. Every *Evinrude*/*Johnson* Dealer is responsible to perform a complete predelivery inspection on all *Evinrude E-TEC* outboards. If an *Evinrude E-TEC* outboard was pre-rigged by the boat builder, a complete predelivery inspection is still required. Refer to the current *Evinrude E-TEC* Installation and Predelivery Guide for detailed instructions. Dealer predelivery programs should include additional inspections related to boat accessories and trailers.

At Time of Sale, Explain to Owner
- ☐ Advise owner to read Operator's Guide and review "key points" and Limited Warranty
- ☐ Explain selection of outboard lubricant

Owners outboard oil selection:
☐ *XD100* ☐ *XD50* ☐ *XD30* ☐ Other

☐ **New boat package** ☐ **Repower**

☐15" ☐20" ☐25" ☐30" transom height

Remote Control (with start-in-gear protection)
- ☐ EV JO BRP
- ☐ Other (list brand) _____
- ☐ Mechanical
- ☐ Electronic (EST)
- ☐ Single lever binnacle ☐ Dual lever binnacle
- ☐ Concealed side mount ☐ Surface side mount
- ☐ EV JO BRP shift and throttle cables
- ☐ Other (list brand) _____
- ☐ Key switch with safety lanyard
- ☐ MWS harnesses

Tiller Control
- ☐ Tiller Handle Kit (15–115HP only) optional

BRP Electronic Controls
- ☐ Gateway module and buss cables
- ☐ 6 port hubs and protective covers (2)
- ☐ Master Power/Key Switch
- ☐ Emergency Stop Switch Panel 2nd station
- ☐ Accessory Power Relay Kit
- ☐ Electronic Servo Module engine plugs (multi-engine)

Displays, Gauges and Networks
- ☐ *I-Command* digital display(s)
- ☐ Network buss cables and T-connecto
- ☐ Engine Interface C le (EMM to NMEA)
- ☐ Power Supply (NMEA network)
- ☐ Network and minato (NMEA network)
- ☐ Tachometer g

Batteries, Wiring, and Switch
- Batteries: Qty. _____ CA ing _____
- ☐ Cable size: ____ ga. Length:_____ ft. / m
- ☐ Connections tight – NO wing nuts!
- ☐ Battery switch operation optional
- ☐ Auxiliary Battery Charging optional

Fuel System
- ☐ Primer bulb EV JO BRP ☐5/16 ☐3/8
- ☐ Other (list brand)_____
- ☐ Fuel hose - "SAE J30R9 type" ☐5/16 ☐3/8
- ☐ Fuel hoses installed with *Oetiker* clamps
- ☐ Water separating fuel filter kit recommended

Oil System
- ☐ Correct installation of remote oil tank
- ☐ Oil Hose - 25 ft. [7.6 m] maximum, no splices
- ☐ Remote oil fill kit (vent not restricted) opti

Steering System
- ☐ Mechanical - grease/tighten/adjust syste
- ☐ Hydraulic - fill/bleed/check system
- ☐ Set multi-engine alignment in/toe-out)

Outboard Installation
- ☐ Mounting height - co t?
- ☐ Mounting hardware ued
- ☐ Water pressure device ed / set up?
- ☐ *ICON* Conversion Kit (V6 op add-on kit)

Oil and Fu t Up, Check Fl evels
- ☐ Check l warning BEFORE filling oil tank
- ☐ Fill oil tan outboard lubricant
- ☐ k fuel el
- ☐ mp o vapor separator vent
- ☐ Pr fuel
- ☐ Prime system - purge air from system
- ☐ Check r or oil hoses are kinked
- ☐ Check gearcase lubricant level
- ☐ Check power trim and tilt fluid level

***rude Diagnostics* Software Set Up**
- ☐ "Break-In" set
- ☐ Set "Tiller Mode" Tiller handle kit installation only
- ☐ Set Oil Type: ☐ *XD100* ☐ *TC-W3* install tag

***ICON* Set Up** (Use *Evinrude Diagnostics* software)
- ☐ Update engine software conversion kit only
- ☐ Calibrate shift/throttle actuators conversion kit
- ☐ Set station protect (optional)

***I-Command* Set Up**
- ☐ Calibrate trim / tilt sending unit (Use *Ev Diag*)
- ☐ Set multi-engine identity (Use *Ev Diag)*
- ☐ Set "Engine and Fuel Tank Configuration" and "Fuel Tank Capacity" (See User's Guide)
- ☐ Set "Engine Data" (See User's Guide)

Operational Checks
- ☐ Adjust shift throttle cables
- ☐ Check re e control operation
- ☐ Check rt-in-g prevention
- ☐ Chec sw and emergency stop
- ☐ Check d gauge ation
- ☐ Check oper of and tilt switches
- ☐ Check tilt limit adjustment
- ☐ Check trim sending unit adjustment
- ☐ Water pressure / overboard indicator
- ☐ Check verse lock/tilt lock operation
- ☐ Che allow water drive operation
- ☐ ring bracket check ground clearance
- ☐ Fuel, Oil or Water leaks

Engine temperature IDLE _____☐°F or ☐°C

***ICON System* Checks**
- ☐ Start/Stop Switch(es)
- ☐ Emergency Stop Switch (2nd station only)
- ☐ Neutral Throttle Switch
- ☐ RPM Switch
- ☐ Trim Switch Panel (3, 4 or 5 engines only)

Propeller(s)
- ☐ EV JO BRP
- ☐ Other (list brand) _____
- ☐ Stainless Steel ☐ Aluminum

Diameter _____ Pitch _____

Torque _____ ☐ in.lbs. ☐ ft.lbs. ☐ N·m

☐ Cotter pin keeper and/or cotter pin installed

On the Water Operational Checks

Engine RPM at IDLE (in gear) _____

Engine RPM at WOT _____

Engine temperature WOT_____☐°F or ☐°C

Boat fuel system vacuum _____ In. Hg.

Water pressure at IDLE _____ psi / kPa

Water pressure at WOT _____ psi / kPa

Adjust multi-engine alignment (toe-in/toe-out) as needed for optimum water pressure

At time of delivery dealer should:
- ☐ Complete electronic warranty registration
- ☐ Complete applicable sales promotion forms
- ☐ File a copy of this form with dealer records
- ☐ Give owner a completed copy of this form

The dealer named in this document has instructed me on the operation, maintenance, safety features, and warranty policy for my outboard, all of which I understand. I am satisfied with the predelivery set-up and inspection of my outboard. I have received the Operator's Guide for my outboard and the instruction sheets for any dealer installed outboard accessories.

Inspected by: _____

Dealer name: _____

Dealer number: _____

Where not already required by law: I recognize the importance of following safe boating practices.
- ☐ I have taken a safe boating course before using the outboard.
- ☐ I will take a safe boating course before using the outboard.
- ☐ I will not take a safe boating course before using the outboard.

Date Dealer Signature

Date Owner / Customer

5/2010 White Copy (original) - Dealer Yellow Copy - Service Dept. Pink Copy - Customer P/N 355441

Date: September 7, 2010 **No.** 2010-02(D)

MODELS: 2011 *Evinrude*® *E-TEC*® 250–300 HP (3.4 L) Outboards

SUBJECT: New Installation and Predelivery Procedure

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of a new installation and predelivery procedure for 2011 and newer *Evinrude E-TEC* 250–300 HP (3.4 L) outboards.

A new rear oil pump is used on 2011 250–300 HP (3.4 L) models. Use *Evinrude Diagnostics* software, version 4.6 or later, and the following procedure to prime the oil system of 2011 and newer models.

Check the engine's "LOW OIL" warning prior to filling the oil tank with outboard lubricant. The recommended oil for these outboards is *Evinrude XD100* outboard lubricant. Use *Evinrude Diagnostics* software to set oil type.

PROCEDURE

⚠ WARNING

This engine oil prime procedure is required. Failure to properly prime the engine's oiling system can result in engine warnings, service codes, and possible engine damage.

Prime Oil Supply Hose

Insert the oil supply hose from the oil tank into a suitable container. Squeeze the oil primer bulb until oil flows from the oil tank into the container.

Once oil supply hose from the oil tank is filled with oil, connect the hose to the oil supply fitting on outboard and secure with *Oetiker* clamp.

Prime Oil Supply Hose to Front Oil Pump

Squeeze the oil primer bulb until oil flows from the oil supply hose, through the oil filter, and into the front oil pump (crankcase oil pump).

IMPORTANT: Inspect oil filter to make sure it is filled with oil. All air must be eliminated from the oil filter during priming procedure.

Continue to squeeze the oil primer bulb until oil flows through the front oil pump, into the oil distribution hoses, and to the crankcase fittings. Observe oil flow through the oil distribution hoses of the front oil pump.

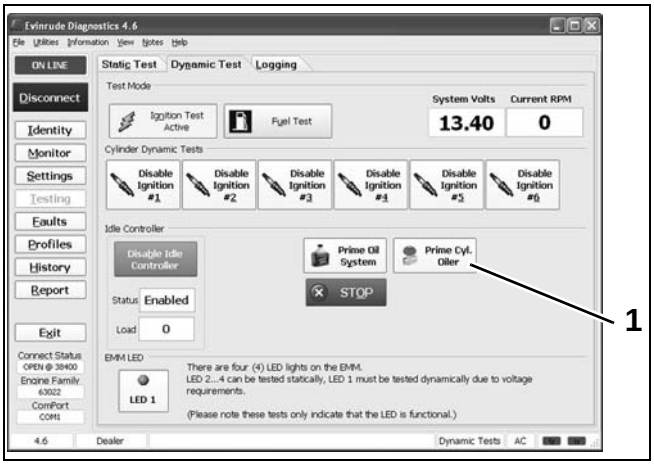
Use *Evinrude Diagnostics* Software to Prime Oil Pumps

Start the outboard. Use the oil priming functions in *Evinrude Diagnostics* software (version 4.6 or later) to make sure the system is completely primed.

IMPORTANT: The outboard should be running to avoid pumping too much oil into the crankcase, which could cause a hard-starting condition.

Prime the rear oil pump FIRST (cylinder oil pump).

Use the *Prime Cylinder Oiler* button of the *Dynamic Test* screen to prime the rear oil pump.

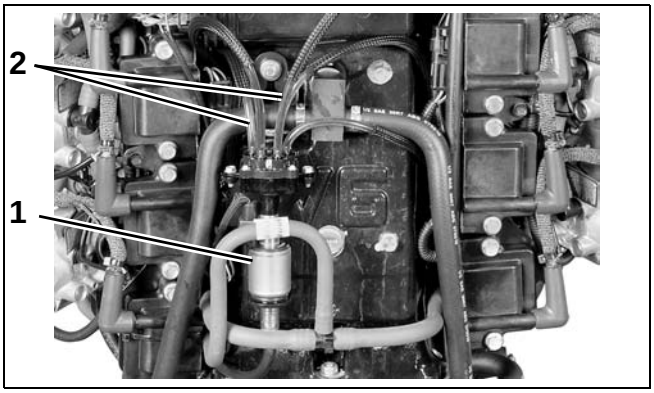


***Dynamic Test* Screen** 008390
1. Prime Cylinder Oiler button

With the *Prime Cylinder Oiler* function activated, continue to squeeze the oil primer bulb until oil flows through the oil distribution hoses of the rear oil pump.

NOTICE The software priming function must be used along with the primer bulb for two reasons:

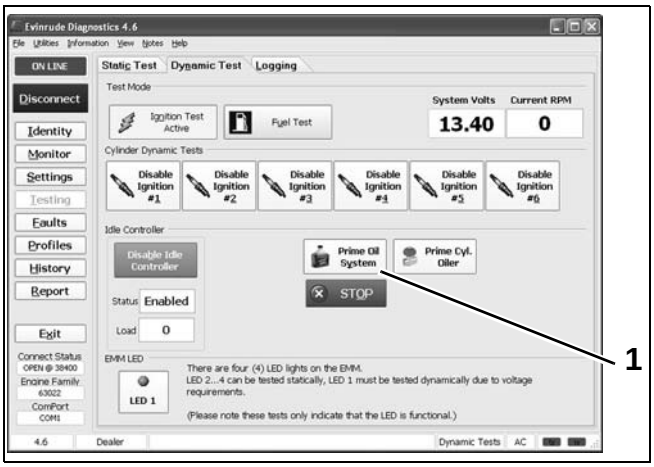
- **The primer bulb alone will not move oil through the rear pump assembly unless the pump is running.**
- **The pump assembly cannot prime itself until it has been filled with oil.**



1. *Rear oil pump* 008391
2. *Oil distribution hoses*

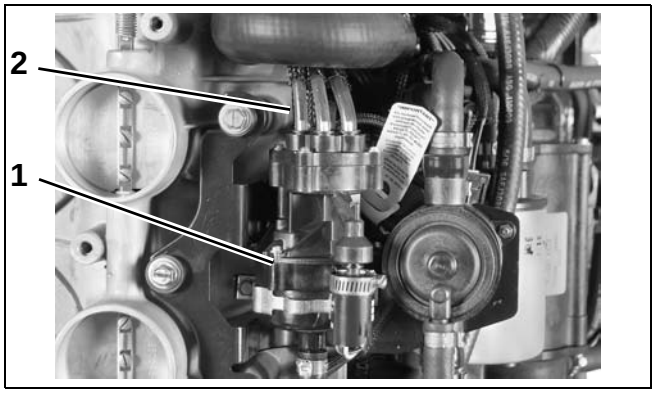
Prime the front oil pump assembly LAST.

Use the *Prime Oil System* button of the *Dynamic Test* screen to prime the front oil pump.



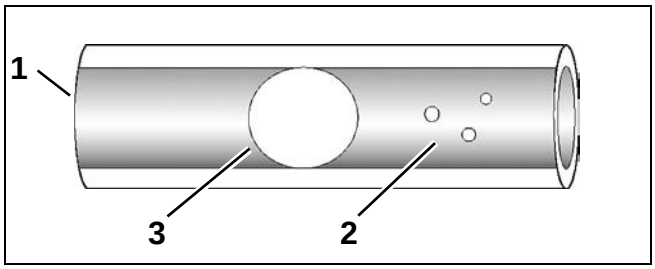
***Dynamic Test* Screen** 008390
1. *Prime Oil System* button

Observe oil flow through all oil distribution hoses. Air must be purged during the priming procedure.



1. *Front oil pump (crankcase oil pump)* 008392
2. *Oil distribution hoses*

Small bubbles are acceptable. Large bubbles must be eliminated through continued priming.



1. *Oil distribution hose* 004398
2. *Small bubbles*
3. *Large bubbles*

Repair any fuel or oil leaks.

Please route to:

Init.

- ☐ Service ☐
- ☐ Sales ☐
- ☐ Parts ☐

EVINRUDE® Johnson® BRP

OUTBOARDS

S SERVICE Bulletin

Date: February, 2006 **No.** 2006-01(S)

MODELS: *Evinrude*® *E-TEC*™ Outboards **SUBJECT:** Engine Duty Cycle and Spark Plugs

Dear *Evinrude/Johnson*® Dealers:

This communication is intended to provide *Evinrude* dealers with specific information related to engine duty cycles and spark plugs.

MARINE ENGINE DUTY CYCLES

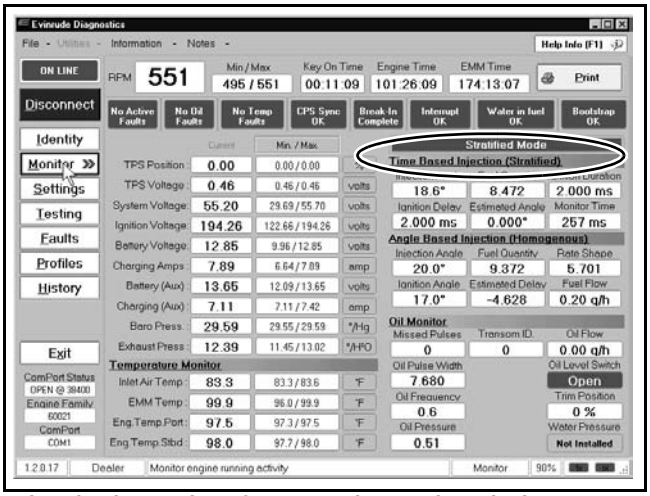
The *International Council of Marine Industry Associations* (ICOMIA) Standard No. 36-88 specifies a marine engine duty cycle based on documented studies. Both the *Environmental Protection Agency* (EPA) and the *California Air Resources Board* (CARB) recognize this duty cycle as representative of actual engine use by the average recreational user. This duty cycle or "running profile" provides the basis used to determine average spark plug longevity and maintenance requirements for *Evinrude E-TEC* outboards.

***ICOMIA* Marine Engine Duty Cycle**		
Operating Mode	**Engine Speed as Percentage of Rated Speed (RPM)**	**Time at Specified RPM (Percentage of Total Engine Running Time)**
1	IDLE	40%
2	40%	25%
3	60%	15%
4	80%	14%
5	100%	6%

IMPORTANT: Variations in running profiles (duty cycles) can affect spark plug longevity and maintenance requirements.

SPARK PLUG PERFORMANCE

Evinrude E-TEC outboards produce exceptionally clean exhaust emissions. Engine efficiency is improved through the unique control of ignition spark. The "hybrid" ignition system, unique to these outboards, can initiate multiple ignition sparks to each cylinder during certain slow speed operating conditions. Simply stated, ignition events per revolution are more frequent. This factor can influence spark plug requirements related to these engines.



***Evinrude* Diagnostic Software, Engine Monitor Display**

SPARK PLUG MAINTENANCE

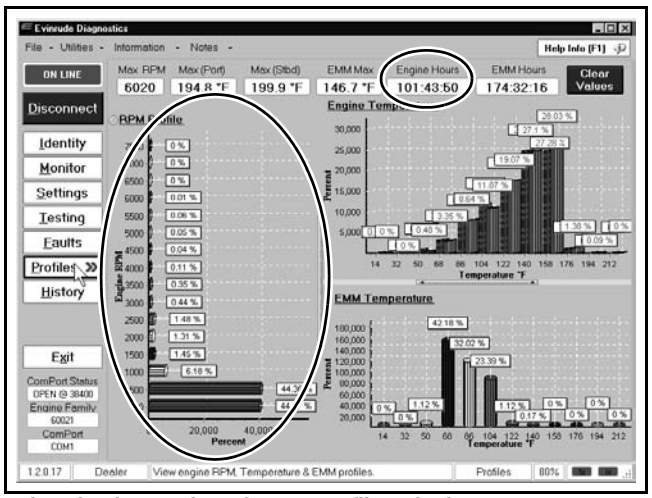
The operation and running profiles of outboards can vary considerably for different users and/or applications. Some running profiles and/or conditions can lead to spark plug wear sooner than expected. Understanding how *Evinrude E-TEC* outboards perform will help in making adjustments to maintenance schedules for specific running profiles.

Occasionally, maintenance schedules must be adjusted for specific users and/or applications.

Reasonable service practices should be noted and applied on all outboards. Make sure outboard is operating at specified operating temperature, and eliminate possible rich operating conditions which cause fouled spark plug(s).

Suggested “hours of use” on maintenance schedules cannot account for all variations in running profiles and/or conditions.

Use *Evinrude Diagnostics* software program to observe engine hour and RPM profile information.



***Evinrude* Diagnostic Software, Profiles Display**

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- ☐ Parts ☐

EVINRUDE® Johnson® BRP

OUTBOARDS

SERVICE Bulletin

Date: February, 2006 **No.** 2006-02(S)

MODELS: *Evinrude*® *E-TEC*™ 200–250 HP

SUBJECT: Cylinder Head Deflector Pins and Spark Plug Longevity

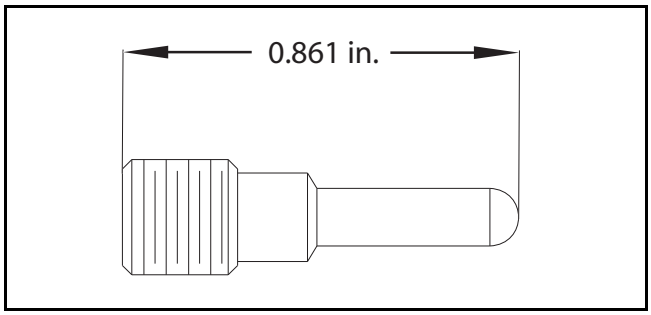
Dear *Evinrude/Johnson*® Dealers:

This communication is intended to provide *Evinrude* dealers with specific information related to product improvement and improved spark plug performance.

Since the *Evinrude E-TEC* 200–250 HP outboards were introduced, processes have been in place to continually monitor and improve product performance. A recent change to cylinder head design was released to production to improve spark plug longevity. The actual change increased the length of the cylinder head deflector pin(s). This change should provide the greatest benefit to outboards run extensively at idle and slow speeds.

CYLINDER HEAD – DEFLECTOR PINS

Deflector pin, P/N 352881, can be used to retrofit earlier production *Evinrude E-TEC* 200–250 HP outboards. All outboards with **serial number 5139665** and higher are built with this deflector pin.



Deflector Pin, P/N 352881 (new)

Outboards which are consistently run outside of the "average" marine engine duty cycle described in *ICOMIA* Standard No. 36-88 and are experiencing a need for more frequent spark plug replacement can benefit from installing the longer deflector pins. **Refer to service bulletins 2005-05(S) – Engine Idle Operating Temperature and 2006-01(S) – Engine Duty Cycle and Spark Plugs prior to performing any repairs.** The following procedure is recommended for outboards run extensively at idle and slow speeds.

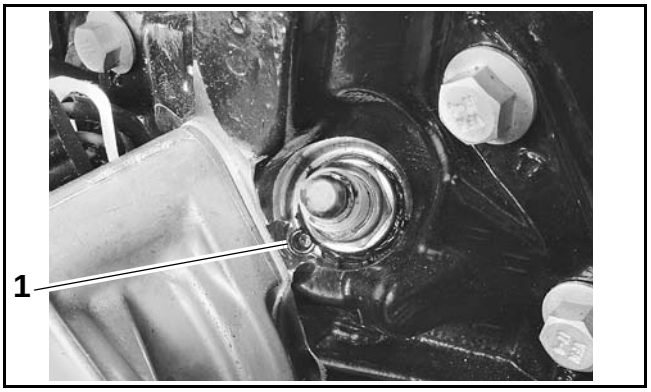
REPLACEMENT PROCEDURE

See "IDENTIFICATION MARKING" on page 3 to identify retrofitted outboards. Order replacement deflector pin kit, P/N 5007142, through *Evinrude/Johnson Genuine Parts*.

Deflector Pin Kit, P/N 5007142

1. *1/4" Hex Drive Bit with 1/8 in. Tip, P/N 352967*
2. *Deflector pin, P/N 352881 (Qty 6)*
3. Caplug*, P/N 349877*

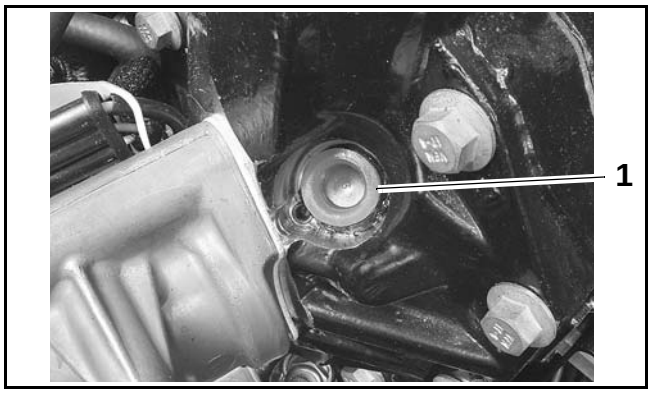
Each cylinder head has three (3) deflector pins, one (1) for each cylinder.



1. *Deflector pin*

352968

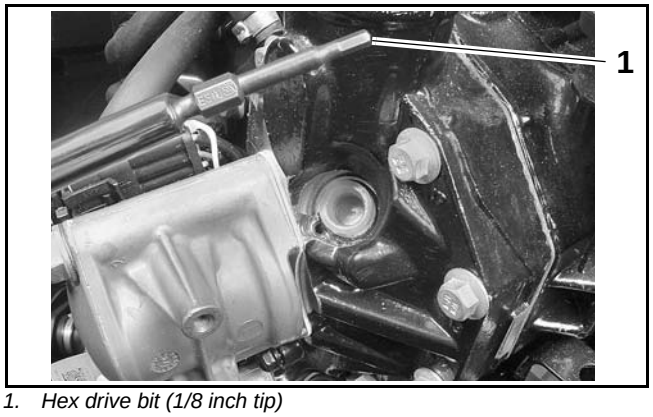
Remove spark plug and insert *caplug* in spark plug hole.



1. Caplug

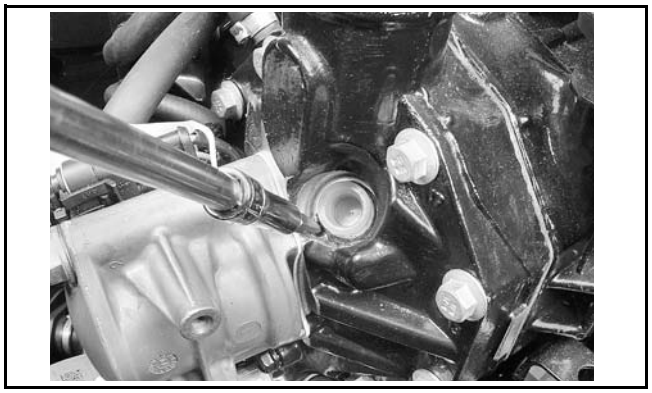
IMPORTANT: Remove any *Ultra Lock* from head of deflector pin.

Use hammer and tap the hex drive bit into head of deflector pin. Make sure hex drive bit is fully seated in head of deflector pin before attempting removal.



1. Hex drive bit (1/8 inch tip)

Carefully turn deflector pin in counter-clockwise direction to remove. Loosen two to three turns.

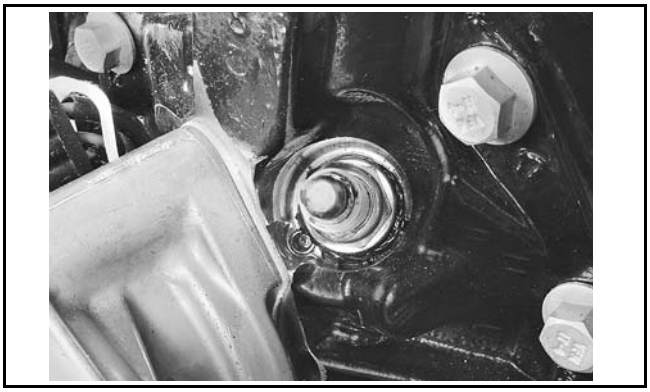


⚠ WARNING ⚠

Wear safety glasses to avoid personal injury and set compressed air pressure to less than 25 psi (172 kPa).

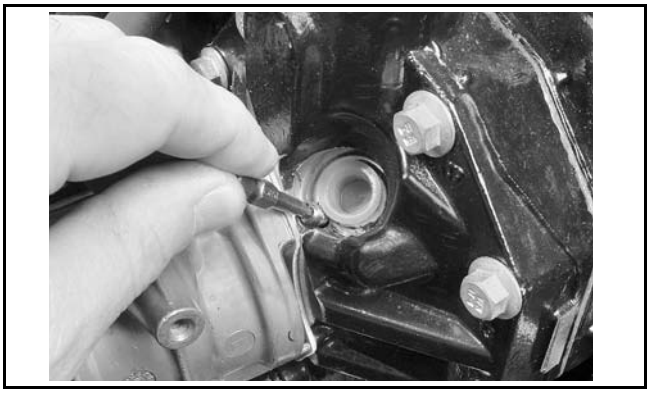
Use compressed air to blow residue of *Ultra Lock* from spark plug cavity.

Remove deflector pin.

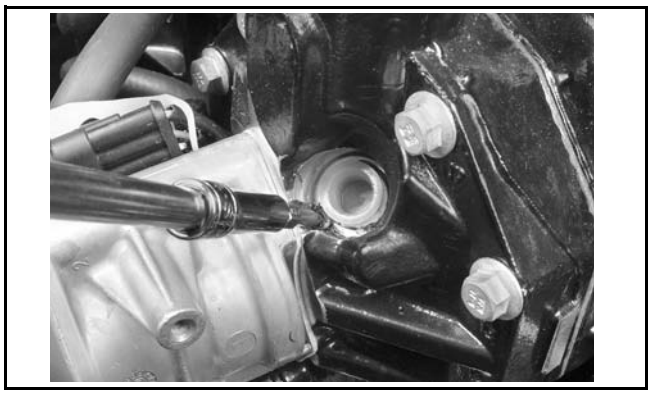


Apply *Ultra Lock* to the threads of **new** deflector pin.

Install deflector pin in cylinder head. Screw pin into cylinder head until seated.



Torque pin to 60 to 84 in. lbs. (6.8 to 9.5 N·m).



Remove *caplug.* Clean, and gap spark plug to 0.028 in. ± 0.003 in. (0.71 mm ± 0.076 mm) and install spark plug to indexed position. Refer to service manual for indexing procedure.

Repeat procedure for all deflector pins on both cylinder heads.

IDENTIFICATION MARKING

Every outboard which has been **retrofitted** with replacement deflector pins must be easily identified.

Use a center punch and hammer to “dimple” or mark the flat surface adjacent to top spark plug on each cylinder head as shown.

Locate mark as shown. Make sure mark is easily visible for future identification.

1. Mark, identification

WARRANTY PROCESSING

Flat Rate Labor Allowance

Replace deflector pins (CH02) – 1.0 hours

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database. Claims on outboards no longer in warranty or previously retrofitted are not eligible.

Warranty Allowance Request Form

Submit electronic warranty allowance request form.

Include the information below:

- Customer name and address
- Dealer name, code, and phone number
- Engine model and serial number
- Bulletin number — 2006-02(S)
- Flat Rate Code — CH02 (Replace deflector pins)
- Failing Part Number — 9999964
- Parts used in repair

NOTE: Spark plugs should be included on request if spark plug replacement is required (severely worn or damaged.) Requests for spark plug reimbursement subsequent to deflector pin installation will be denied.

Return of Request Form

North American Dealers

Use *DealerPort* to submit electronic warranty allowance request form.

For additional information call 1-800-888-4662.

Credit for parts and labor will be issued subsequent to receipt and approval of warranty allowance request.

International Dealers (Outside North America)

Use *DealerPort* or *Bossweb* to submit electronic warranty allowance request form or complete warranty allowance request form (P/N 773629) with all required information and submit to regional office. For additional information, contact your regional office.

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EVINRUDE Johnson BRP

OUTBOARDS
SERVICE Bulletin

Date: May, 2006

No. 2006-03(S)

SUBJECT: 2007 Essential Service Tools and Software, Two-Stroke

New service tools and software have been developed for servicing *Evinrude® E-TEC®* 60°V (115–200 HP) outboards. The following software and tools will be shipped automatically as part of the 2007 *Evinrude/Johnson®* Essential Service Tool and Software Program.

2007 Two-Stroke (2S) Essential Software:

763724 *Evinrude Diagnostic Software* (PC, *Windows*† based): Used to communicate with *Evinrude E-TEC* and 2000 and newer *Evinrude* outboards. Enhanced features and updated for 2007 models.

Software Updates are available on *DealerPort®*. Refer to *DealerPort* website to download updates.

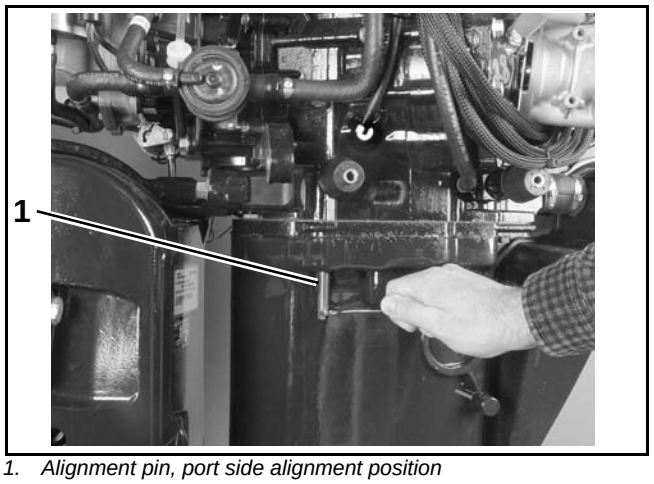
2007 Two-Stroke (2S) Essential Tools:

5007167 Powerhead Alignment Pin Kit: Used to align outer exhaust housing, inner exhaust/adaptor housing and powerhead during assembly.

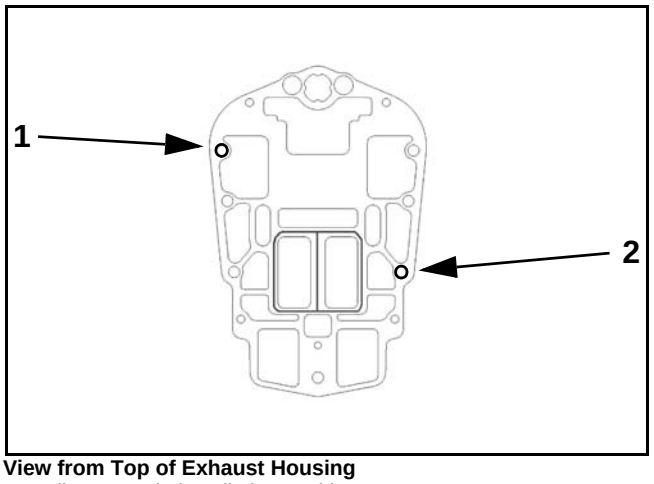
Alignment Pin Kit

IMPORTANT: Alignment pins must be used to assure accurate alignment of exhaust housing and powerhead.

Position powerhead assembly on adaptor/inner exhaust housing assembly. Align housings with alignment pins as shown below.



1. Alignment pin, port side alignment position



View from Top of Exhaust Housing
1. Alignment pin installation position, port
2. Alignment pin installation position, starboard

Refer to the applicable service manual for specific procedures related to tool use.

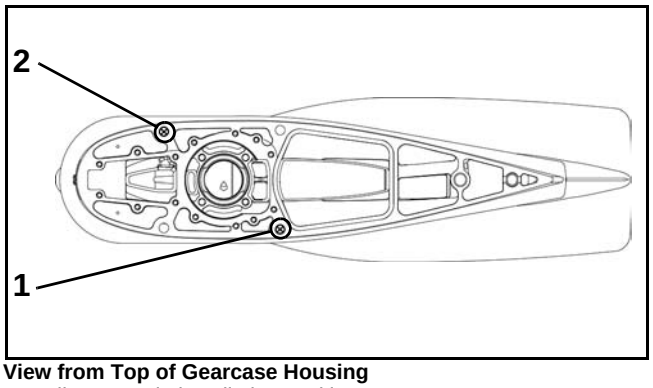
3 5 3 0 2 5

5007231 Alignment Pin Kit – Gearcase: Used to align gearcase housing to exhaust housing during assembly. Can be used on all late model *Evinrude* and *Johnson* V4 and V6 two-stroke outboards.

Alignment Pin Kit

IMPORTANT: Alignment pins must be used to assure accurate alignment of gearcase housing and exhaust housing.

Position gearcase on exhaust housing. Install alignment pins as shown below.



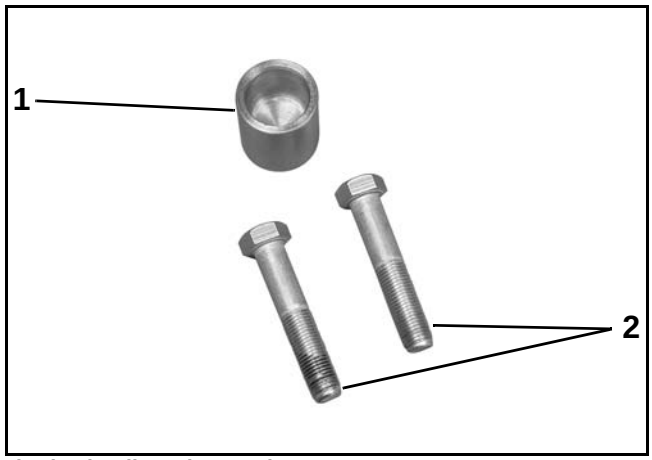
View from Top of Gearcase Housing

1. *Alignment pin installation position, port*
2. *Alignment pin installation position, starboard*

IMPORTANT: Remove and replace alignment screws with appropriate 3/8 in. mounting screws after all other gearcase mounting screws are installed and tightened.

Refer to the applicable service manual for specific procedures related to tool use and gearcase installation.

5007181 Flywheel Puller Adaptor Kit: Used in conjunction with Flywheel Service Kit, P/N 434649, to remove and install flywheel.

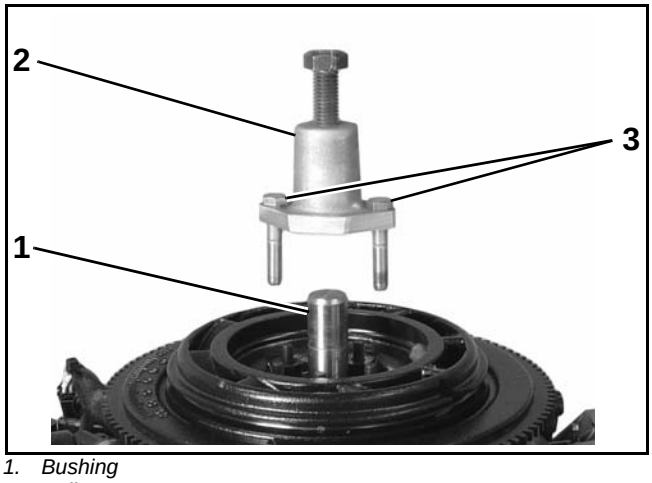


Flywheel Puller Adaptor Kit

1. *Bushing*
2. *Screws - 3/8 - 24 x 2 in. (2)*

IMPORTANT: This adaptor kit must be used to assure safe removal and installation of flywheels on *Evinrude E-TEC* 60°V (115–200 HP) outboards.

Install bushing from Flywheel Puller Adaptor Kit on top of crankshaft. Position puller from Flywheel Service Kit, P/N 434649, over bushing and top of crankshaft. Use screws (3/8-24 x 2 in.) to attach puller to flywheel.



1. *Bushing*
2. *Puller*
3. *Screws - 3/8 - 24 x 2 in. (2)*

Refer to the applicable service manual for specific procedures related to tool use.

Please route to:
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EVINRUDE Johnson BRP

OUTBOARDS
S
SERVICE Bulletin

Date: May, 2006 **No.** 2006-04(S)

MODELS: *Evinrude*® *E-TEC*® 115–250 HP

SUBJECT: *Evinrude E-TEC* CANBus Software Update

Dear *Evinrude/Johnson*® Dealers:

This communication is intended to inform *Evinrude* dealers of *Evinrude E-TEC* software updates related to NMEA 2000 (CANBus) communications networks.

PROBLEM

NMEA 2000 *Lowrance*† depthfinders and GPS units can interfere with engine management module (*EMM*) functions on certain *Evinrude E-TEC* outboards during certain CANBus communication modes.

IMPORTANT: Software updates can prevent *EMM*-related runability issues and prevent possible *EMM* failures related to excessive CANBus communications.

AFFECTED MODELS

All *Evinrude E-TEC* 115–250 HP outboards using CANBus network communications.

SOLUTION

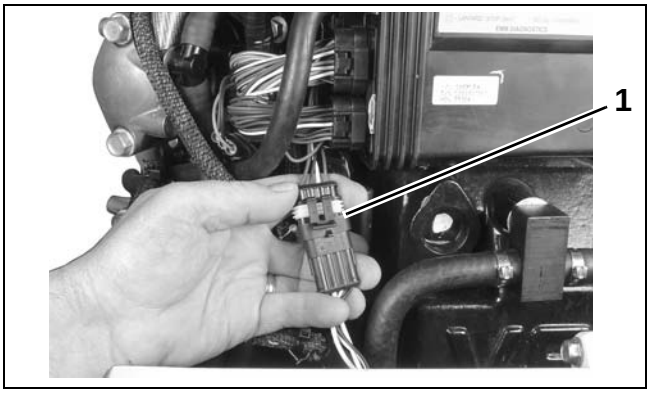
Update software in both the *Evinrude E-TEC* outboard and the *Lowrance* display unit. Use the latest software available.

Evinrude E-TEC software updates are available online at www.dealerport.com.

Lowrance software updates are available online at www.lowrance.com.

TROUBLESHOOTING

Disconnect CANBus connection from outboard to eliminate possible runability issues related to interactions with CANBus network.



90° V6 Model 005263
1. EMM *CANbus connector*

IMPORTANT: *EMM* failures related to the use of un-updated *EMM*s or depthfinder's and GPS units can be denied warranty coverage.

3 5 3 1 9 0

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EVINRUDE Johnson BRP

OUTBOARDS

S

SERVICE Bulletin

Date: May, 2006 **No.** 2006-05(S)

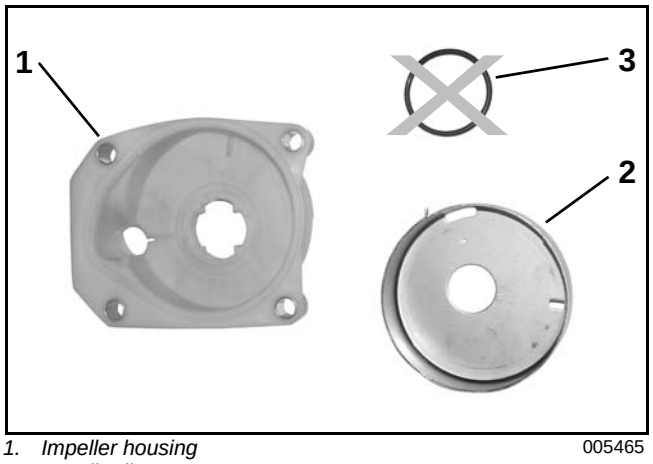
MODELS: *Evinrude*® *E-TEC*® 40–60 HP Outboards

SUBJECT: Water Pump Assembly

Dear *Evinrude/Johnson*® Dealers:

This communication is to provide information related to product changes on *Evinrude E-TEC* 40–60 HP outboards.

A change to water pump assembly was released to production. The O-ring positioned between the impeller liner and impeller housing is not required, and has been removed from the water pump assembly.



005465

1. *Impeller housing*
2. *Impeller liner*
3. *O-ring (NOT USED)*

This change improves water pump performance and the water pump's ability to purge air from the pump housing. Outboards run at higher transom settings and in severely aerated water conditions will benefit most from this change.

Troubleshooting

Intermittent high speed overheating (accompanied by an overheat alarm) may be an indication of a damaged water pump. Aerated water entering the pump at high speeds can cause impeller damage, evidenced by rubber transfer to the top of the water pump liner. Replace the damaged water pump, assembling the **new** water pump without the O-ring between the liner and the housing.

353204

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EVINRUDE Johnson BRP

OUTBOARDS

S SERVICE Bulletin

Date: July, 2006 **No.** 2006-06(S)

MODELS: *Evinrude*® and *Johnson*® Outboards **SUBJECT:** Fuel Requirements

Dear *Evinrude/Johnson* Dealers:

This communication is to provide information on fuel requirements for *Evinrude* and *Johnson* outboards.

Minimum Octane

Evinrude and *Johnson* outboards are certified to operate on high-quality unleaded automotive gasoline with an octane rating equal to or higher than:

- 87 (R+M)/2 AKI – Inside the U.S.
- 90 RON – Outside the U.S.

Using unleaded gasoline which contains methyl tertiary butyl ether (MTBE) is acceptable ONLY if the MTBE content does not exceed 15% by volume.

DO NOT use old or stale fuel. The use of old or poor quality fuel can lead to engine damage.

Alcohol-Extended Fuels

The use of alcohol-extended fuels is acceptable **ONLY** if the alcohol content does not exceed:

- 10% ethanol by volume; **or**
- 5% methanol with 5% cosolvents by volume

Evinrude and *Johnson* outboards are designed to operate on specified fuels; however, be aware of the following:

- Boat fuel systems may be damaged by the use of alcohol-extended fuels. Refer to boat owner's guide.
- Alcohol attracts and holds moisture that can cause corrosion of metallic parts in the fuel system.
- Alcohol-extended fuels may cause engine performance problems.

See http://www.ridgenet.net/~hideseng (Precision Fuel Testing Systems) for alcohol percentage in fuel test kits.

Performance Issues

Problems and concerns related to alcohol-extended fuels:

Hard Starting – Operating difficulties such as hard starting, vapor lock, heat-soak, low speed stalling.

Driveability – Increased alcohol levels result in lean running engines, rough running engines, performance loss, and engine damage.

Phase Separation – Alcohol-extended fuels attract moisture from the atmosphere and from system contamination. Fuel supplies with large amounts of moisture will experience fuel/water phase separation.

Material Damage / Component Wear – Corrosion of metal parts, damage to internal engine parts, deterioration of nonmetallic parts and fuel hoses.

IMPORTANT: The use of water-seperating fuel filters and alcohol resistent components is recommended for all built-in fuel systems.

Fuel Additives

The **ONLY** fuel additives recommended for use in *Evinrude* and *Johnson* outboards are:

Evinrude/Johnson 2+4 Fuel Conditioner

Evinrude/Johnson Carbon Guard

Evinrude/Johnson Fuel Systems Cleaner

IMPORTANT: DO NOT misuse additives. Refer to instructions on packing for proper use.

Liabilities and Warranty

Be sure customers are aware of fuel requirements and recognize issues related to fuel quality. Operating difficulties and damage resulting from the use of poor quality fuels are not covered under the engine's limited warranty.

Printed in the United States.

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EVINRUDE Johnson BRP

OUTBOARDS
SERVICE Bulletin

Date: October, 2006 **No.** 2006-07(S)

MODELS: *Evinrude*® *E-TEC*® 40–90 HP

SUBJECT: Engine Idle Operating Temperature and Spark Plug Longevity

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform dealers of the importance of properly verifying engine IDLE operating temperature on *Evinrude E-TEC* 40–90 HP outboards.

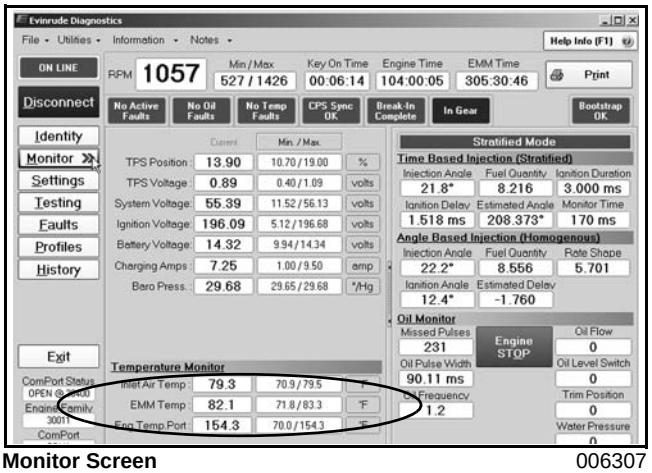
Certain conditions can prevent the engine from achieving proper IDLE operating temperatures. Failure to achieve specific operating temperatures can result in running quality issues and premature spark plug replacement. Always verify IDLE temperature prior to troubleshooting an outboard for running quality issues or spark plug replacement.

OPERATING TEMPERATURE

Observe IDLE operating temperature with boat and outboard in water. Two methods can be used.

Method 1

Use *Evinrude* Diagnostics program. Observe temperature displays for temperature sensor.



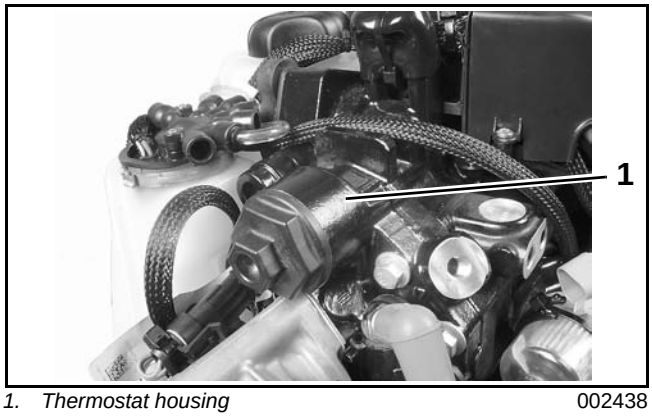
Monitor Screen 006307

Typical temperature displays at IDLE speed should be 155°F ± 5°F (68°C ± 3°C).

Method 2

Use a temperature gun (infrared) or a digital pyrometer to accurately determine the outboard's operating temperature.

Position infrared beam or pyrometer pickup on top of cylinder assembly, adjacent to the thermostat housing at top of cylinder head.



1. Thermostat housing 002438

Typical temperatures observed at IDLE speed with pyrometer should be 145°F ± 10°F (63°C ± 6°C).

TROUBLESHOOTING

If engine IDLE temperature is not within specified range, check thermostat and pressure relief valve operation.

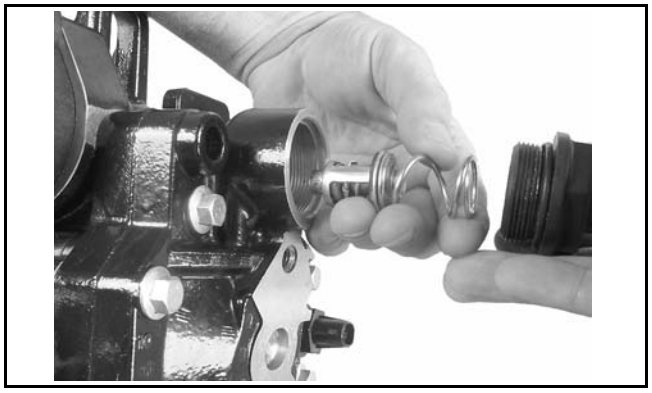
Remember, cold running outboards prevent spark plugs from achieving proper operating temperatures.

(continued)

3534777

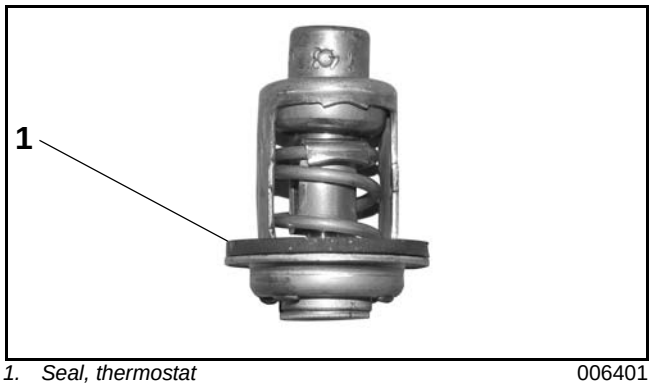
Thermostat

Remove thermostat cover and inspect thermostat.



002444

IMPORTANT: Check position of thermostat seal and how thermostat seals against cylinder head. Seal must be properly fitted to flange of thermostat.



1. Seal, thermostat 006401
2. Vent hole

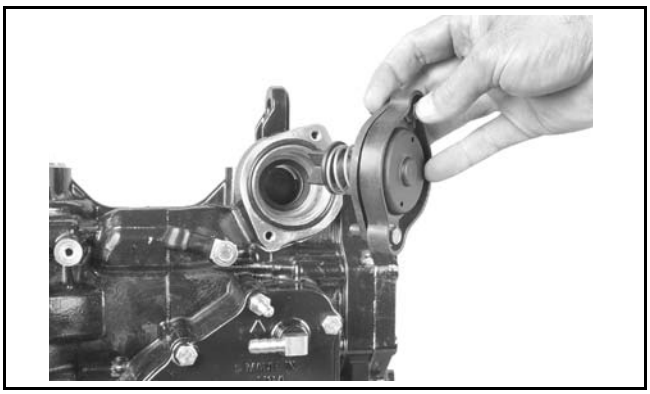
Inspect thermostat for cracks, heat damage, or signs of corrosion. Check thermostat for proper operation. Thermostat opens at 143°F (62°C).

If IDLE temperature is still below operating range, 155°F ± 5°F (68°C ± 3°C), inspect pressure relief valve.

Pressure Relief Valve

The pressure relief valve should be closed at IDLE speed. Water should not flow past the plunger and seal.

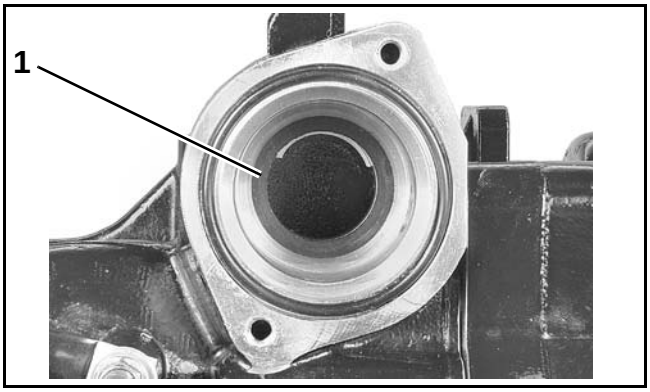
If IDLE temperature is too low, check pressure relief valve for damage or debris that could prevent the valve from closing completely.



002459

Replace entire pressure relief valve assembly and plunger seal if operating temperature is still too low.

Make sure a **new** plunger seal is installed squarely over ridge in housing.



1. Plunger seal 002458

Start the outboard and check IDLE operating temperature with the *Evinrude* Diagnostics software program.

If IDLE temperature increases to specific operating range, 155°F ± 5°F (68°C ± 3°C), pressure relief valve and thermostat are functioning properly.

Please route to:
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EVINRUDE Johnson BRP

OUTBOARDS
SERVICE Bulletin

Date: August, 2007 **No.** 2007-01(S)

MODELS: All 40 - 225 HP 4-Stroke Models **SUBJECT:** Gearcase Lubricant Level

Dear *Evinrude*®/*Johnson*® Dealers:

This communication is to inform all service technicians of a required procedure to be used when checking gearcase lubricant level.

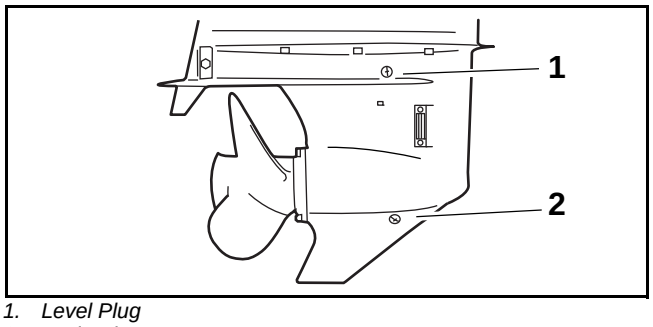
DESCRIPTION

Gearcases on 40 through 225 HP 4-stroke models have multiple oil chambers with connecting vent and lubricant passages.

If gearcase lubricant is filled quickly, lubricant may not flow through passages to completely fill each chamber.

PROCEDURE

- Place outboard upright on a level surface.
- Place a suitable container under gearcase.
- Remove drain plug before removing level plug and drain the gear lubricant.
- **Fill gearcase slowly**, through the drain hole until lubricant just starts to flow out from lubricant level hole.



1. Level Plug
2. Drain Plug

- Once gear oil begins flowing from the vent, wait 10 minutes and recheck level.
- If lubricant level is low, **slowly** top off lubricant, until lubricant flows from vent a second time.
- Install level / drain plugs and torque to specification.

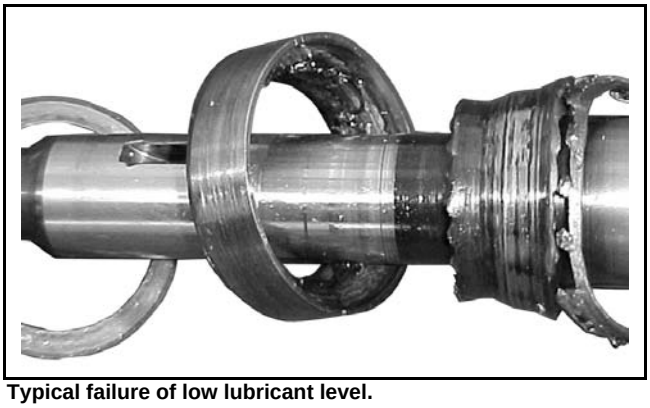
Refer to the following chart, for gearcase lubricant capacities.

GEARCASE LUBRICANT CAPACITY			
Model	**Year**	**Capacity (oz)**	**Capacity (ml)**
40 / 50	1999 & up	21	610
60 / 70	1998 & up	36	1050
90 / 115	2003 & up	36	1050
140	2003 & up	36	1050
200 / 225	2004 & up	38	1100

FAILURES

Low oil level typically results in failure of the upper driveshaft bearing and driveshaft. Expect to find bearing roller cage destroyed with rollers missing. Bearing race may be welded to driveshaft and driveshaft may be broken above pinion gear. Removal of driveshaft may be impossible.

IMPORTANT: Failures due to low oil level will not be covered by warranty.



Typical failure of low lubricant level.

EVINRUDE Johnson BRP

OUTBOARDS
Service Bulletin

S

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: February 22, 2008 **No.** 2008-01(S)

MODELS: 2008 *Evinrude*® *E-TEC*® 40-300 HP **SUBJECT:** Temperature Sensor Installation

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform dealers of a production change which affects 2008 *Evinrude E-TEC* 40 - 300 HP models.

This change increases the amount of heat sink compound in the temperature sensor cavity and improves the reaction time of the engine's overheat warning system (*S.A.F.E.*).

Procedure

Inline models: Service one temperature sensor.

V-models: Service temperature sensors on both cylinder heads.

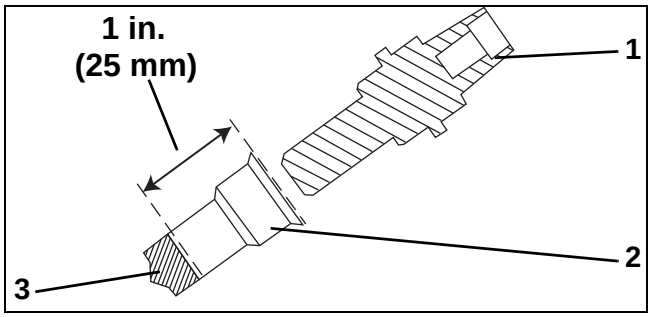
Use one of the following compounds:

- Heat Sink Compound 2 oz., P/N 354170
- Radio Shack® Heat Sink Grease, P/N 276-1372
- Heat Sink Compound 5 oz., P/N 322170

Loosen sensor and remove by hand. DO NOT use socket to remove, threads could break.

Remove temperature sensor. Clean gasket sealing compound from threads of sensor. Clean thermal compound from sensor and sensor cavity.

Fill bottom of sensor cavity with 0.7 cc of heat sink compound. Sensor cavity should be filled to 1 inch (25 mm) below the top edge of the cavity.

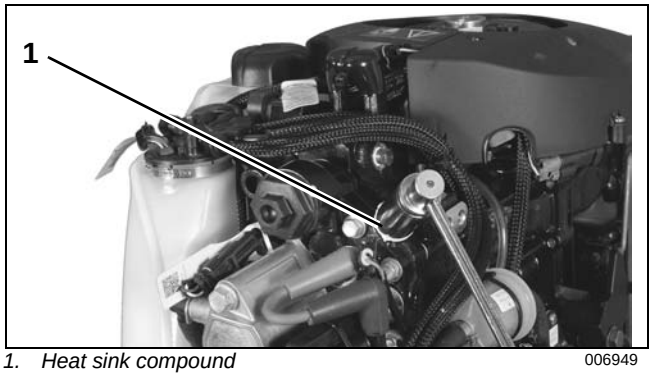


1. Temperature sensor 0070489
2. Sensor cavity
3. Heat sink compound

Install sensor. Do NOT use gasket sealing compound on threads. SLOWLY tighten temperature sensor to a torque of 50 to 70 in. lbs. (5.6 to 8.0 N·m).

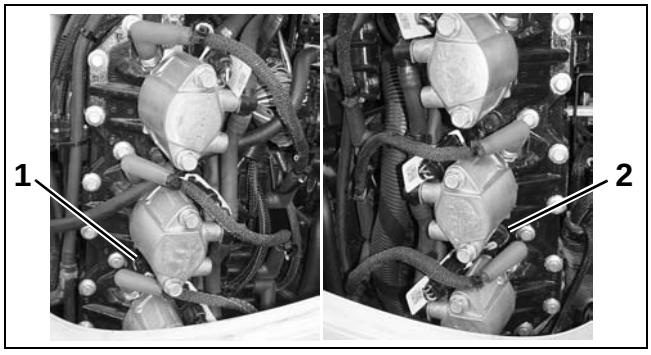
Wait 10 minutes for trapped air to bleed from cavity. Heat sink compound may also seep past threads. Retighten temperature sensor to 50 to 70 in. lbs. (5.6 to 8.0 N·m).

Inline Models: one sensor



1. Heat sink compound 006949

V-Models: two sensors



1. PORT sensor 007050/007051
2. STARBOARD sensor

This document can be viewed on the DealerPort™ website at www.dealerport.com

EVINRUDE® Johnson® | BRP

OUTBOARDS
Service Bulletin

S

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: May 21, 2008 **No.** 2008-02(S)

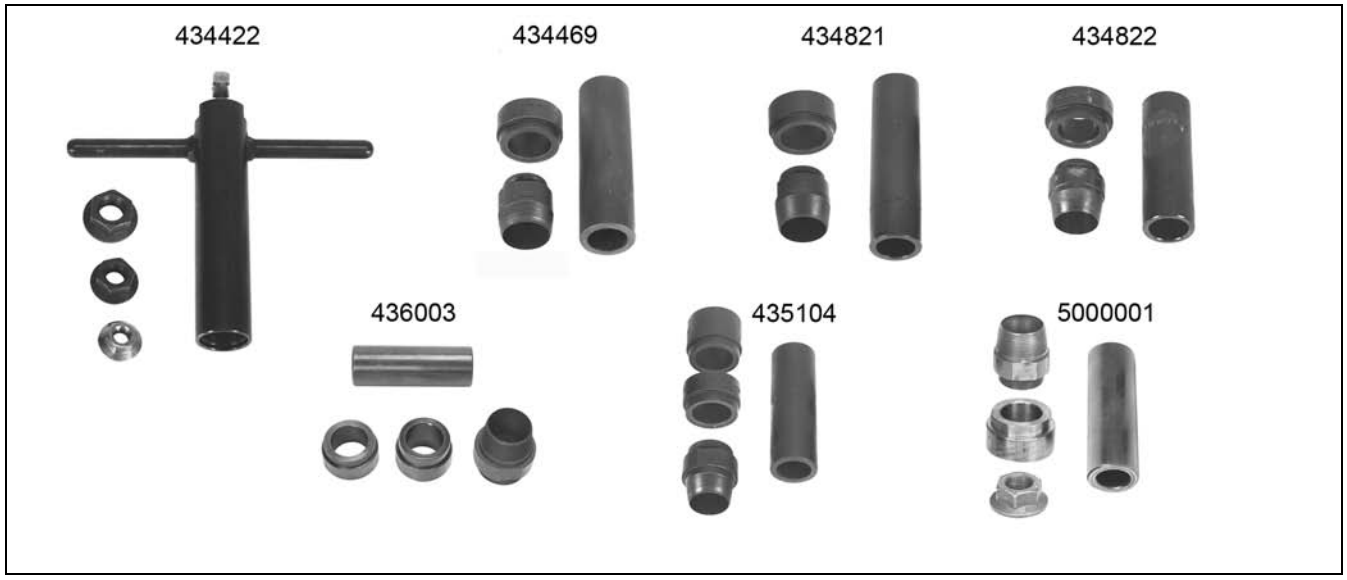
MODELS: All Models **SUBJECT:** Propeller Shaft Seal Tools

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of propeller shaft seal tools. Use these tools to remove and install propeller shaft bearing housing from the gearcase.

PROPELLER SHAFT SEAL TOOLS					
Outboard Model / Gearcase Type	Handle Kit(1)	Remover Installer Kit(2)	Remover End	Seal Installer	Spacer
20-35 Thru-Hub, 25/30 E-TEC	434422	436003	T19629	T19630	T19631
40/48/50, 75 (15 in.) 3 cyl.		435104	T19626	T19617 T19627	T19628
40/50/60/65C E-TEC 55C, 50-70 3 cyl., V4 (20 in.)		434822	T19613	T19616	T19619
70 4 stroke		5000001(3)	T19634	T19635	T19619
V6 and V8 (1991 and older)		434821	T19612	T19615	T19618
V6 and V8 (1992 and newer)		434469	T19623	T19624	T19625
V6 “M2” 2008 and newer (“O”, “L”, “L2” with extended housing)				T19638	

(1)Use with specific Remover/Installer Kit
(2)Includes remover end, seal installer, and spacer
(3)Includes T19636 installer nut



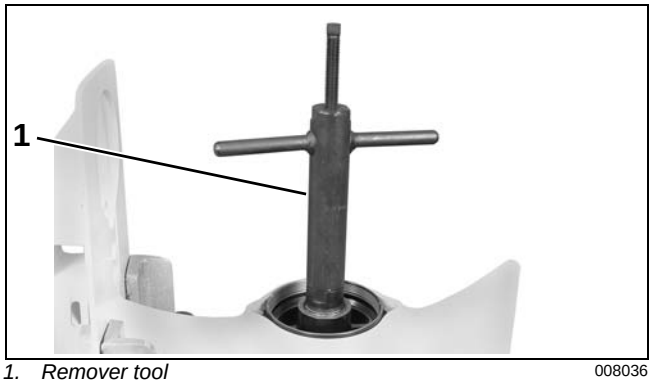
This document can be viewed on the DealerPort™ website at www.dealerport.com

SEAL REMOVAL

Remove propeller and drain oil from gearcase.

Select proper remover tip and assemble tool. Screw remover tip into handle and back out pressing screw.

Slide remover tool over propeller shaft and screw remover tip into outer seal until resistance is felt.



1. Remover tool

008036

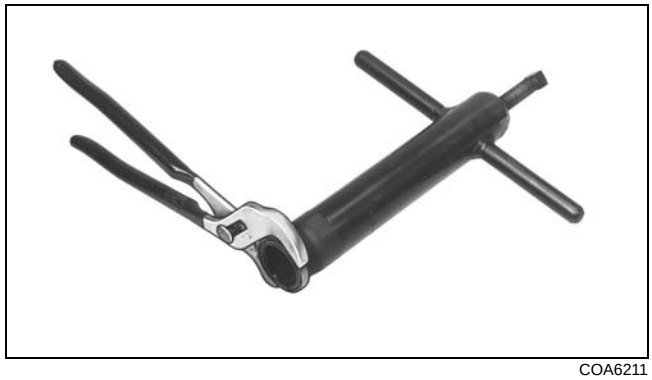
008037

Tighten pressing screw to remove outer seal.

008038

008039

Use channel lock pliers to remove seal from remover end. Do NOT clamp seal in vise to remove seal from installer end, remover end can be damaged.



COA6211

Back out pressing screw of remover tool. Slide remover tool over propeller shaft and screw remover tip into inner seal until resistance is felt. Tighten pressing screw to remove inner seal.

008040

Use channel lock pliers to remove seal from remover end. Do NOT clamp seal in vise to remove seal from installer end, remover end can be damaged.

SEAL INSTALLATION

Clean propeller shaft and bearing housing seal area. Select proper seal installer and spacer.

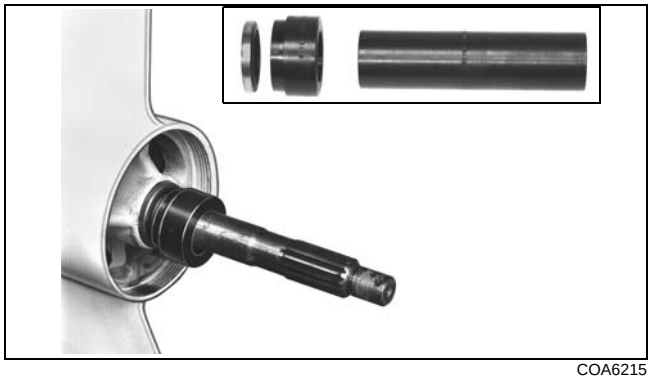
COA6213

IMPORTANT: Install the inner seal with the lip facing front of gearcase.

Apply a light coat of *Triple Guard Grease* to lip of seal. Apply *Gasket Sealing Compound* to the outer surface of seal.

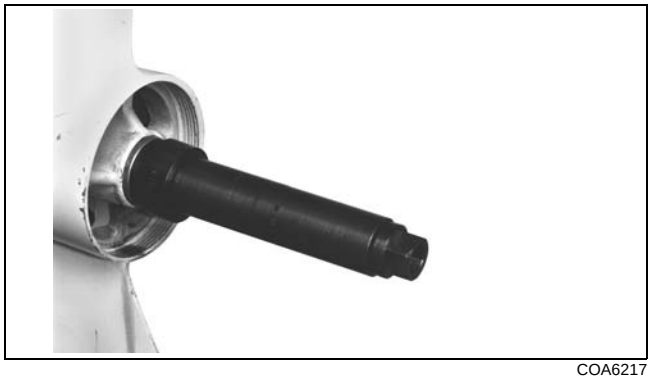
COA6218-2

Slide inner seal onto propeller shaft with lip facing front of gearcase. Slide seal installer onto shaft with the longest reduced O.D. end facing seal.

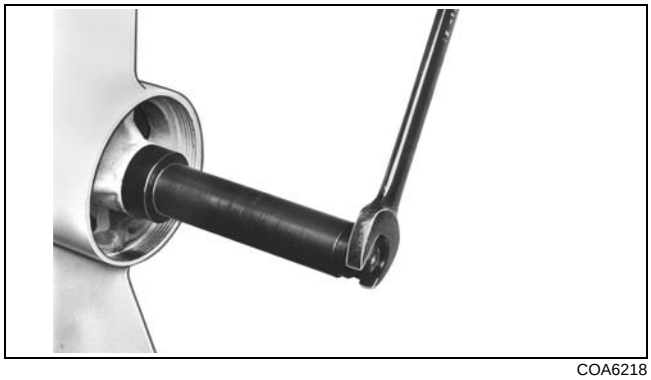


COA6215

Install spacer and tighten pressing nut on propeller shaft threads until seal installer is seated against propeller shaft bearing housing.



COA6217

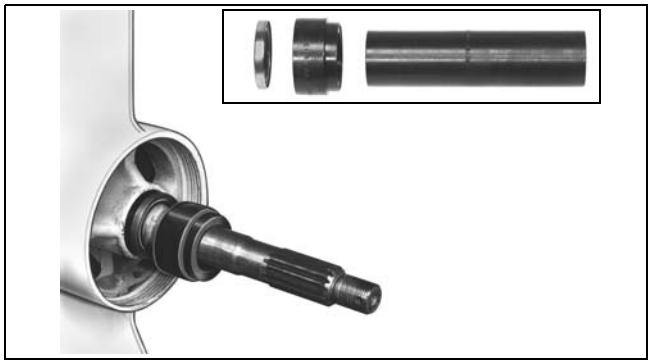


COA6218

IMPORTANT: Install the outer seal with the lip facing aft.

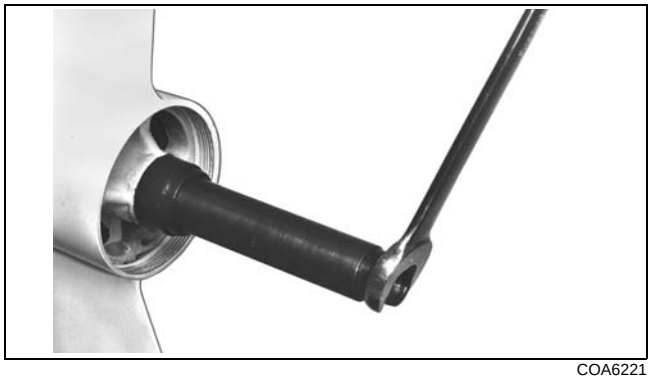
Prepare second seal. Apply a light coat of *Triple Guard Grease* to lip of seal. Apply *Gasket Sealing Compound* to the outer surface of seal.

Slide outer seal onto propeller shaft with lip facing aft. Slide seal installer onto shaft with opposite end of seal installer facing seal.



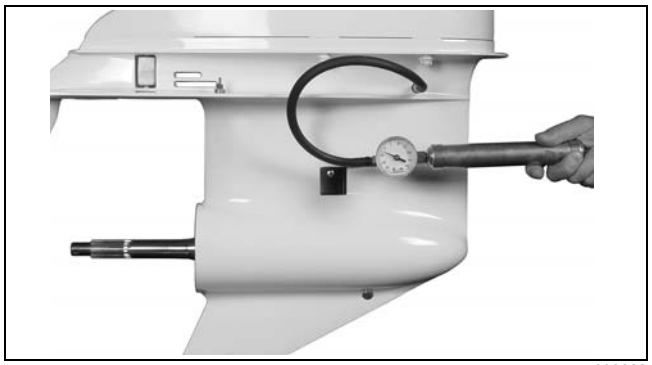
COA6220

Install spacer and tighten pressing nut until seal installer is seated against propeller shaft bearing housing.



COA6221

Presure and vacuum test gearcase.



002388

Repair any leaks. Refill with appropriate gearcase lubricant. Install propeller.

EVINRUDE Johnson | BRP

OUTBOARDS
Service Bulletin

S

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

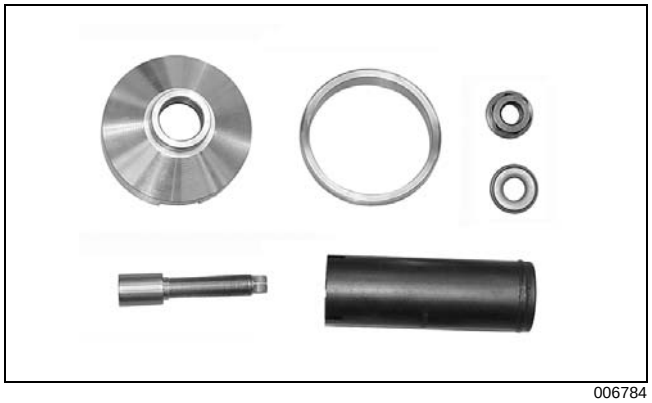
Date: May 27, 2008 **No.** 2008-03(S)

MODELS: 2008 and Newer *Evinrude® E-TEC®* Outboards – V6 Gearcases

SUBJECT: New Service Tools - 2008 Model Year

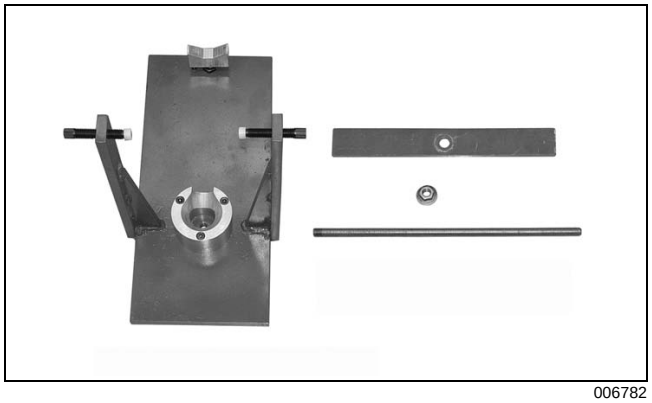
New service tools have been developed for 2008 Model Year outboards. The following tools are required for servicing the new “L2” and “M2” gearcase assemblies used on V6 model outboards. These tools will not be shipped automatically as part of the essential tool program and must be ordered as needed. Refer to the appropriate service manual for gearcase identification and service procedures.

354060 Puller, Propeller Shaft Bearing Housing: Used to remove propeller shaft bearing housing on “L2” and “M2” type gearcase assemblies with pressed in bearing housings.



006784

354059 Pressing Fixture: Used to support gearcase assembly on floor press for propeller shaft bearing housing installation.



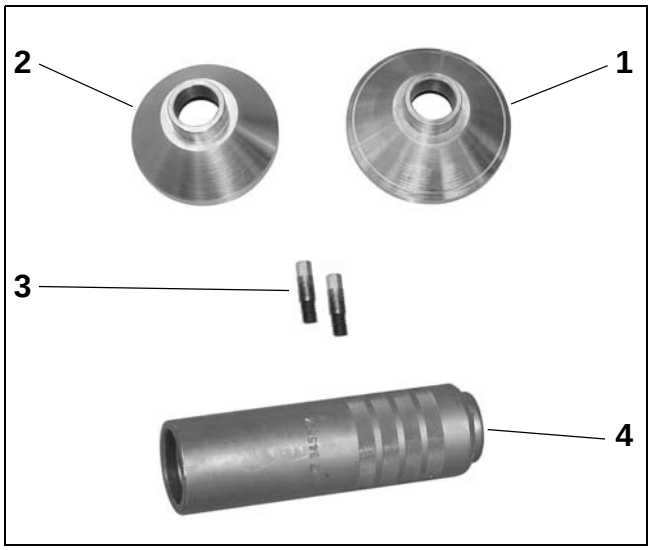
006782

354057 Installer, Propeller Shaft Bearing Housing “M2” Gearcase: Used with Service Tool Handle, P / N 345822, pressing fixture, P/N 354059, alignment screws, P/N 354140, and 10 ton floor press for pressing propeller shaft bearing housing into gearcase housing.

354058 Installer, Propeller Shaft Bearing Housing “L2” Gearcase: Used with service tool handle, P / N 345822, pressing fixture, P/N 354059, alignment screws, P/N 354140, and 10 ton floor press for pressing propeller shaft bearing housing into gearcase housing.

354140 Alignment Pins: Used to align propeller shaft bearing housing on “M2” gearcase. Install temporarily before pressing bearing housing into gearcase housing.

345822 Handle, Service Tool: Used with installer P/N 354057 or P/N 354058 for pressing propeller shaft bearing housing into gearcase housing. (This tool was originally offered in 1999. Many dealers may already own this tool.)



006783, 002575, 006788

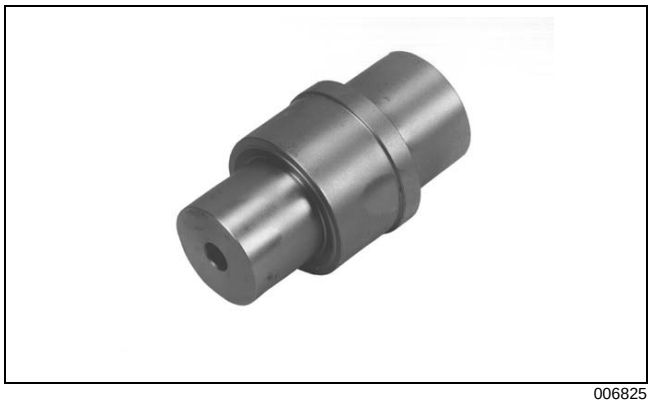
1. *Installer, “M2”*
2. *Installer, “L2”*
3. *Alignment pins*
4. *Handle*

This document can be viewed on the DealerPort™ website at www.dealerport.com

354056 Installer, Propeller Shaft Seals: Used to install inner and outer propeller shaft seals on “M2” type gearcase assemblies.

006824

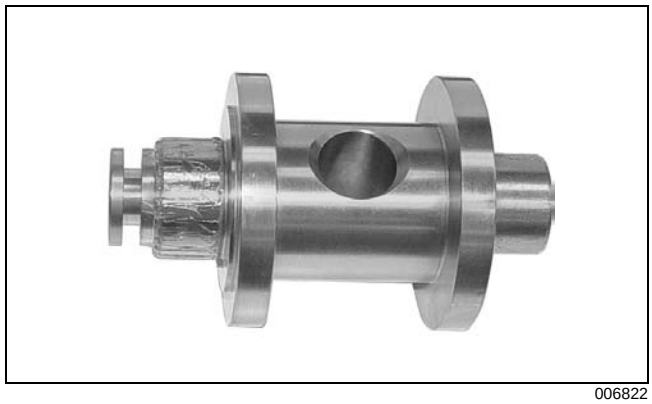
354139 Installer, Propeller Shaft Rear Bearing: Used to install rear propeller shaft bearing on “M2” type gearcase assemblies and newer “O”, “L”, “M” and “L2” bearing housings with extended 0.065 in. for fish line trap feature.



006825

5007749 Gearcase Alignment Gauge (M2): Used with Gearcase Alignment Gauge Kit, P/N 5006349, to check the alignment of gearcase housing on V6 “M2” gearcases that have experienced impact damage and/or internal bearing and gear failure. (Available Fall 2008)

5007750 Gearcase Alignment Gauge (L2): Used with Gearcase Alignment Gauge Kit, P/N 5006349, to check the alignment of gearcase housing on V6 “L2” gearcases that have experienced impact damage and/or internal bearing and gear failure. (Available Fall 2008)



006822

EVINRUDE Johnson

Suggested Routing:

☐ Service ☐ Sales ☐ Parts

OUTBOARDS
Service Bulletin

S

Date: May 30, 2008 **No.** 2008-04(S)

MODELS: 2009 *Evinrude*® *E-TEC*® Outboards **SUBJECT:** Starter Solenoid Servicing

Dear *Evinrude/Johnson*® Dealers:

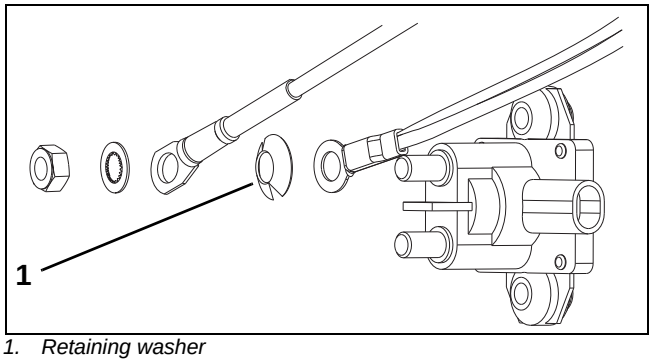
This communication is to inform dealers of a production change which affects 2009 *Evinrude E-TEC* models.

A NEW retaining washer, P/N 354046 is used to secure the engine cable(s) on the starter solenoid terminal. This improves positive battery cable installation and affects starter solenoid servicing.

Procedure

Removal

Remove nut, lock washer and positive battery cable from terminal. Remove the crimped on retaining washer from the terminal and discard.



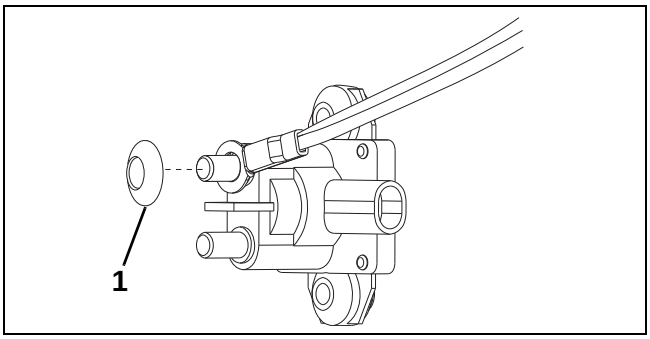
1. Retaining washer

Installation

IMPORTANT: The retaining washer is coned shaped. Use a NEW retaining washer to install the engine cable on the starter solenoid terminal.

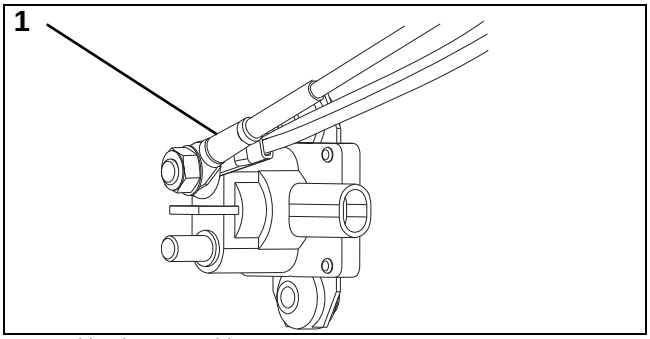
Install the engine cable on the starter solenoid terminal.

Position retaining washer on starter solenoid terminal with wide side of washer against the engine cable terminal.



1. Wide side of washer

Install the positive battery cable, lock washer, P/N 328701 and nut, P/N 321472. Tighten nut to a torque of 60 to 84 in.lbs. (7 to 10 N·m). Retaining washer is crimped in place by tightening nut.



1. Positive battery cable

Coat terminals with *Black Neoprene Dip*, P/N 909570, and reinstall rubber cover over terminal.

This document can be viewed on the DealerPort™ website at www.dealerport.com

EVINRUDE Johnson BRP

Suggested Routing:

☐ Service ☐ Sales ☐ Parts

OUTBOARDS
Service Bulletin

S

Date: June 15, 2008

No. 2008-05(S)

MODELS: All *Evinrude*® DI and *Evinrude E-TEC*® Outboards

SUBJECT: *Evinrude Diagnostics* Software

Replaced by Service Bulletin 2011-02(S)

Dear *Evinrude*®/*Johnson*® Dealers:

This communication is to inform dealers of *Evinrude Diagnostics* software distribution, usage of CDROMs (disks) and update practices.

Essential Tools and Software Program

Model year changes require the release of new software versions. Version 3.0 is required for model year 2009 and older. Version 2.0 software was required to communicate with 2008 and older models.

New *Evinrude Diagnostics* software (Version 3.0, P/N 765011) will be automatically shipped to all authorized U.S. and Canadian service dealers as part of the North American Essential Tools and Software Program. Existing dealers are charged a reduced price for this software as an annual software license renewal and update.

PC Requirements

Listed are the minimum computer system requirements for *Evinrude Diagnostics* software version 3.

- Any PC must be an IBM-compatible type.
- A battery powered laptop is strongly recommended to avoid electric shock hazards.
- Operating system - *Microsoft Windows* 2000†, XP, *Vista* or higher. Version 3 is NOT compatible with Windows 95 or 98.
- Processor - *Pentium*† 133Mhz.
- Memory - 64MB.
- Hard drive free space - 20MB.
- Display resolution - 800 x 600 pixel.
- Media drives - Both a CD-ROM drive and a 3 ½ inch floppy drive are required. An external 3 ½ inch floppy drive with USB plug-in is acceptable.
- Communication cable - Serial interface which requires an RS-232 (9-pin) serial port or the use of a USB to Serial Converter.

CDROM Use

New disks provide a complete version of the diagnostic program. When a new disk is received **outdated disks should be destroyed**.

Disk P/N	Version	Model Year
777231	1.0	2004 – 2005
763724	1.0	2004 – 2007
764642	2.0	1997 – 2008
765011	3.0	2009 & prior

Disk use:

- To install the software on a new laptop or to reinstall on a laptop which has had problems.
- May be installed on more than one laptop
- Intended for dealer use only
- Should not be copied or distributed outside the dealer network.

Online Software Updates

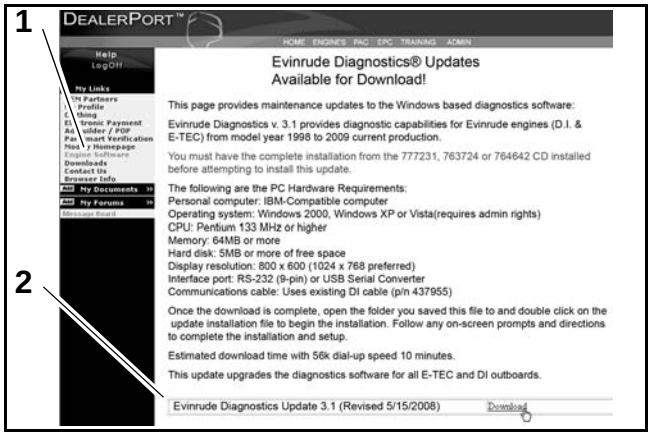
To minimize interruptions in service, advanced copies of diagnostic software updates are posted online and are available for download.

North American Dealers: Use *DealerPort*® to acquire the latest software version once *Evinrude Diagnostics* software has been installed on a laptop.

Dealers Outside of North America: Depending on your subscription service, use *DealerPort* or *BossWeb*® to acquire the latest software version once *Evinrude DIagnostics* software has been installed on a laptop.

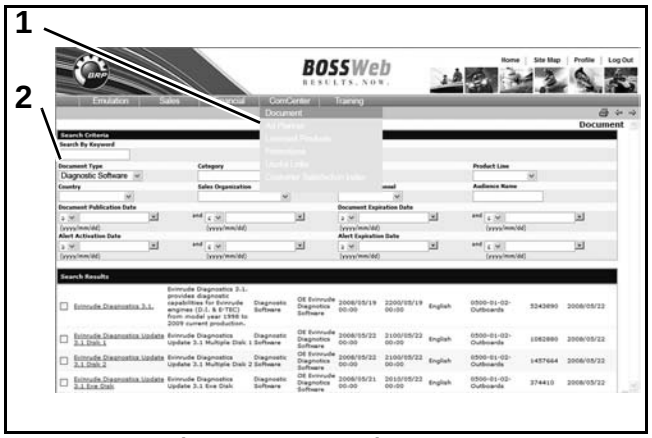
This document can be viewed on the DealerPort™ website at www.dealerport.com

From the *DealerPort* homepage, select Engine Software. Follow the links to *Evinrude Diagnostics* software updates.



Diagnostic Software Page on *DealerPort*
1. *Select Engine Software option*
2. *Version information and revision date*

From the *BossWeb* homepage, select ComCenter then select Document. Under Document Type select Diagnostic Software. From the Search Results, select the file(s) to download.



ComCenter Search Page on *BossWeb*
1. *ComCenter, select Document*
2. *Document Type, select Diagnostic Software*

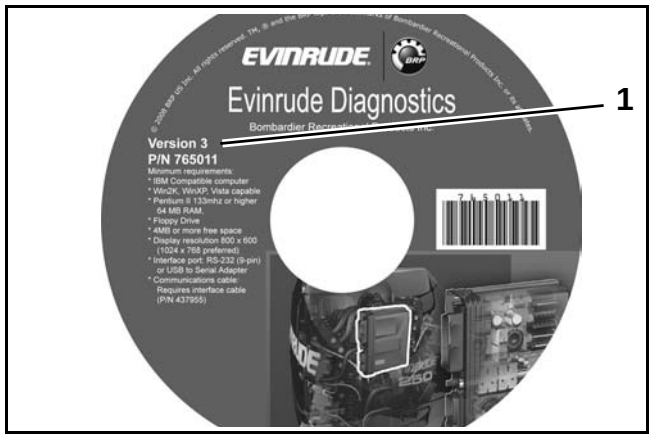
Updating Software

Compare the version information of *Evinrude Diagnostics* software currently installed on the laptop, to the version information on the CDROM or the available update on *DealerPort*.

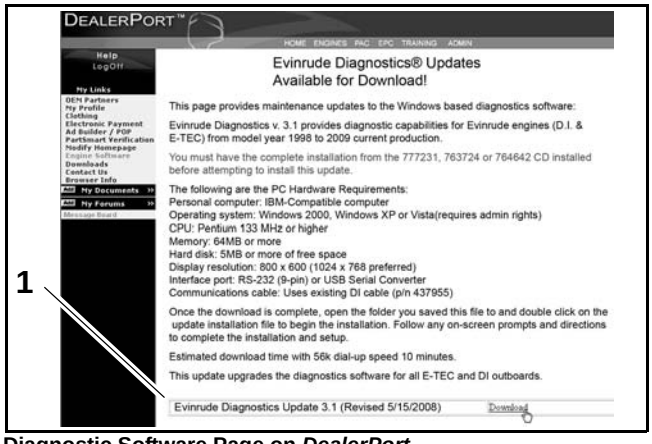
If version number on the CDROM or *DealerPort* is greater than version number on laptop, download and install updated software.

If version number on laptop is the same as, or greater than version number on the CDROM, an update is not needed.

***Evinrude Diagnostics* software on laptop**
1. *Version information*



***Evinrude Diagnostics* software on CDROM**
1. *Version information*



Diagnostic Software Page on *DealerPort*
1. *Version information and revision date*

EVINRUDE Johnson

OUTBOARDS
Service Bulletin

S

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: June 27, 2008 **No.** 2008-06(S)

MODELS: All Models **SUBJECT:** Fuel System Requirements and Testing

Dear *Evinrude/Johnson*® Dealers:

This communication is to provide *Evinrude* and *Johnson* dealers service information related to boat fuel systems and testing. Fuel systems must meet minimum specifications to insure the proper delivery of fuel to the outboard.

IMPORTANT: Inadequate fuel flow to high horsepower outboards can result in serious powerhead damage.

Fuel System Requirements

The guidelines established by the ABYC and U.S. Coast Guard should always be followed. See “Outboard Fuel System Recommendations” on page 2.

Fuel Hose

All fuel hoses must be designated as fuel hose and approved for marine use.

- Use only fuel lines (or copper tubing) that meet the outboard minimum I.D. requirement.
- “USCG Type A1” fuel hose must be used between permanent fuel tanks and motor well fittings on inaccessible routings.
- Use “USCG Type B1” for fuel hose routings in motor well areas.
- Permanently installed fuel hoses should be as short and horizontal as possible.
- Use corrosion-resistant metal clamps on permanently installed fuel hoses.

Fuel System Primers

Outboards require a priming system capable of refilling the fuel system after periods of non-use. Use fuel primer bulbs that meet the outboard's minimum inside diameter fuel line requirements. Marine primer pumps and primer bulbs must not restrict fuel flow to the outboard.

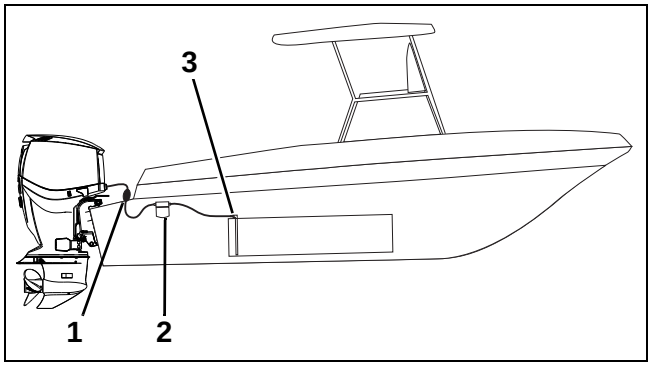
Fuel Filters

Boat-mounted fuel filters and water-separating fuel filter assemblies must meet the required fuel flow and filter specification. The filter must be mounted to a rigid surface above the “full” level of the fuel tank and accessible for servicing. “In-line” fuel filters have limited filter area and flow characteristics and may not be adequate for high horsepower outboards. Fuel Filter Assembly, P/N 174176, meets all requirements for a water-separating fuel filter.

Fuel Tanks

Fuel tanks must be adequately vented and fitted with pickup assemblies that meet the outboard’s fuel flow requirements. Antisiphon valves must provide adequate fuel flow for high horsepower outboards.

IMPORTANT: Multi-outboard applications require separate fuel tank pickups and fuel supply hoses.



Typical Fuel Supply Configuration 007074
1. *Primer bulb*
2. *Water separating fuel filter*
3. *Anti-siphon valve, in fuel pick-up of tank*

Outboard Fuel System Recommendations

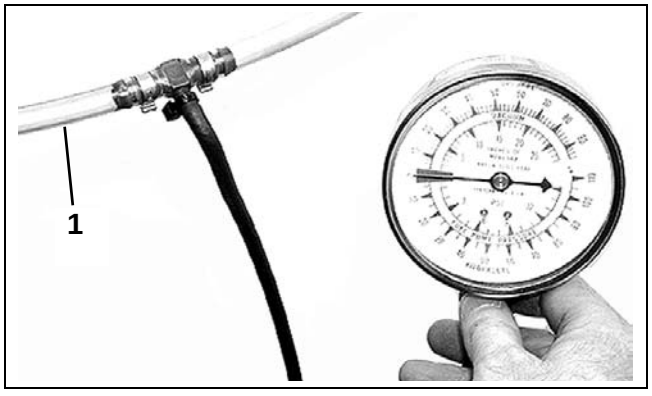
Component	25–130 HP Models	135–300 HP Models
Fuel tank pickup tube	5/16 in. (7.9 mm) min. I.D.	3/8 in. (9.5 mm) min. I.D.
Fuel fittings	1/4 in. (6.4 mm) min. I.D.	9/32 in. (7.1 mm) min. I.D.
Fuel supply hoses	5/16 in. (7.9 mm) min. I.D.	3/8 in. (9.5 mm) min. I.D.
	ALL MODELS	
Fuel tank pickup screen	100 mesh, 304 grade stainless steel wire, 0.0045 in. wire diameter, 1 in. (25 mm) long	
Antisiphon valve	2.5 in. (63.5 mm) Hg maximum pressure drop at 20 gph (76 l/hr) flow	
Remote fuel filter	0.4 in. Hg maximum pressure drop at 20 gph (76 l/hr) flow, 150 $in.^2$ (1290 cm^2) of filter area	
Maximum fuel pump lift height	Fuel pump should not be located more than 30 in. (76.2 cm) above bottom of fuel tank	

Fuel System Vacuum Testing

Confirm fuel supply to the fuel lift pump of outboard is unrestricted and not aerated.

Temporarily install a vacuum gauge, tee fitting (part number 331995), and 8 in. (20.3 cm) of clear vinyl hose between the fuel supply hose from fuel tank and the fuel lift pump. Secure connections with tie straps to prevent fuel or air leaks.

IMPORTANT: Do not use fuel primer bulb, manual fuel primer, or electric fuel pump primer to restart outboard. A positive pressure in the fuel supply could damage some vacuum gauges.



1. Clear vinyl hose 000243
2. Tee fitting (P/N 331995)

START outboard and run at FULL THROTTLE for at least two minutes. Monitor clear vinyl hose for the presence of air. Air bubbles indicate a faulty hose, connection, or fuel tank pick-up. Repair, if necessary, before proceeding.

There should be no air or vapor bubbles visible in the clear hose. The maximum inlet fuel vacuum should not exceed 4 in. Hg. (13.5 kPa) at the inlet to the fuel lift pump under any operating conditions (IDLE to WOT).

A higher vacuum indicates an excessive restriction in the fuel supply. Repair as needed.

Multiple Fuel Tank Use

Use of multiple fuel tanks can create adverse conditions related to fuel delivery to outboards. The following concerns should be noted.

- **Fuel fittings and the selector valve must support the required fuel flow to the outboard.**
- **Vacuum test each tank in multiple fuel tank applications.**
- **The outboard should not be unnecessarily run on near empty fuel tanks. Always change fuel tanks before the outboard is run on a limited or reduced supply of fuel.**
- **Running at high speeds on a near empty fuel tank can induce air into the fuel system and result in compromised fuel flow to the outboard.**

EVINRUDE Johnson

OUTBOARDS
Service Bulletin

S

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: December 22, 2008 **No.** 2008-07(S)

MODELS: 2009 and Newer *Evinrude*® *E-TEC*® 25 – 30 HP

SUBJECT: Fuel Injector and Vapor Separator Servicing

Dear *Evinrude/Johnson*® Dealers:

This communication is to provide specific information for servicing fuel injectors and vapor separators on *Evinrude E-TEC* 25 – 30 HP models.

⚠ WARNING

Gasoline is extremely flammable and highly explosive under certain conditions. Use caution when working on any part of the fuel system.

Protect against hazardous fuel spray. Before starting any fuel system service, carefully relieve fuel system pressure.

Always disconnect the battery cables at the battery before servicing the fuel system unless instructed to do otherwise.

Always work in a well ventilated area and wipe off any fuel spillage.

DO NOT smoke and make certain no open flames or ignition sources exist.

After servicing the fuel system check for leaks. Failure to check for fuel leakage could allow a leak to go undetected, resulting in fire or explosion.

Disassembly

IMPORTANT: Minimize fuel system pressure before disassembly.

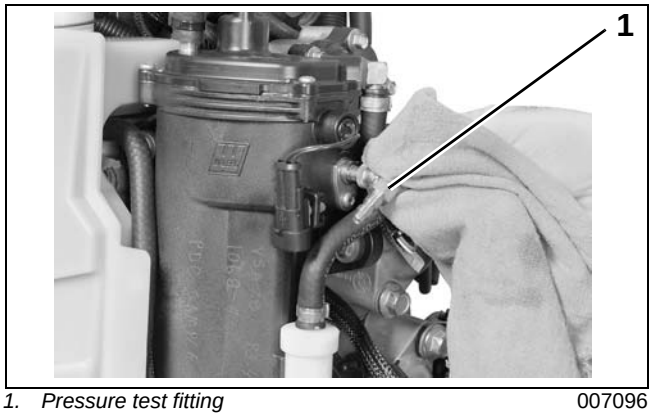
Temporarily restrict the fuel supply hose from the fuel tank with hose pincer or disconnect fuel hose connector from outboard.

Remove propeller.

Disconnect circulation fuel pump electrical connector and retainer. If outboard runs, start and run at IDLE for 5 seconds and STOP outboard. If outboard does NOT run, crank for 10 seconds.

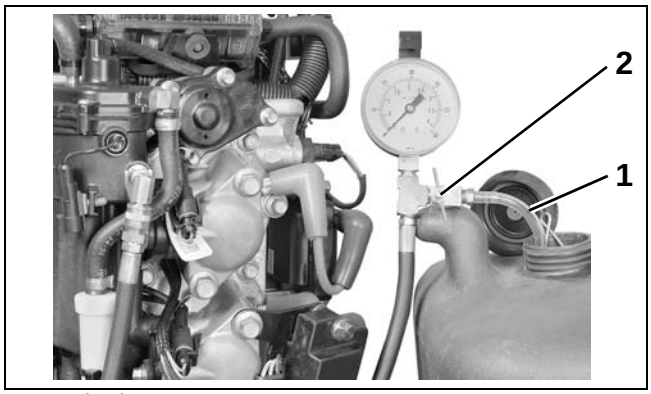
Disconnect the battery cables at the battery. Remove protective cap from the pressure test fitting.

Wrap a shop towel completely around the pressure test fitting while connecting fitting from Fuel Pressure Gauge, P/N 5007100, to the pressure test fitting of the fuel pump/vapor separator assembly.



1. Pressure test fitting 007096

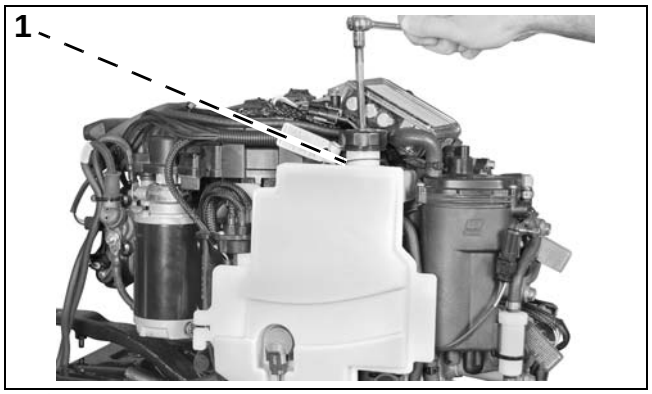
Insert venting hose of fuel pressure gauge into a suitable container. Slowly open venting valve. Clean up any spilled fuel with shop towels.



1. Venting hose 007097
2. Venting valve

This document can be viewed on the DealerPort™ website at www.dealerport.com

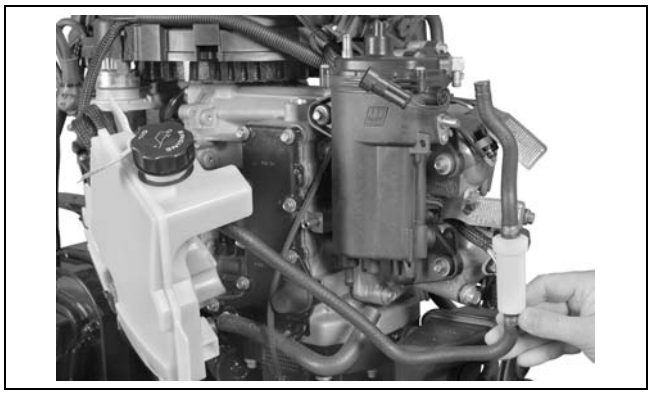
Remove oil tank retaining screw. Remove oil tank assembly.



1. Screw 007288

Disconnect the fuel injector electrical connector(s).

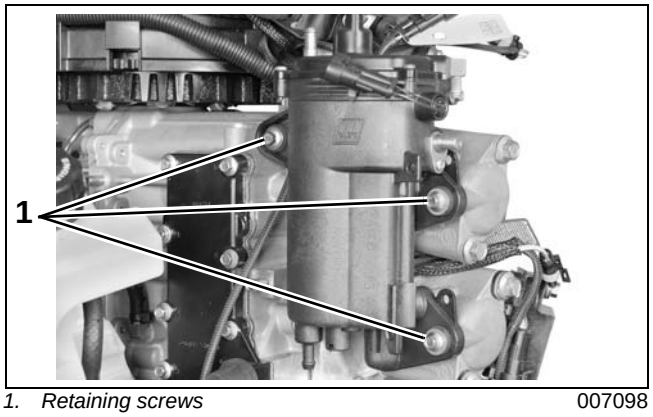
Remove the fuel supply hose, vent hose and the cooling hoses from the vapor separator.



007285

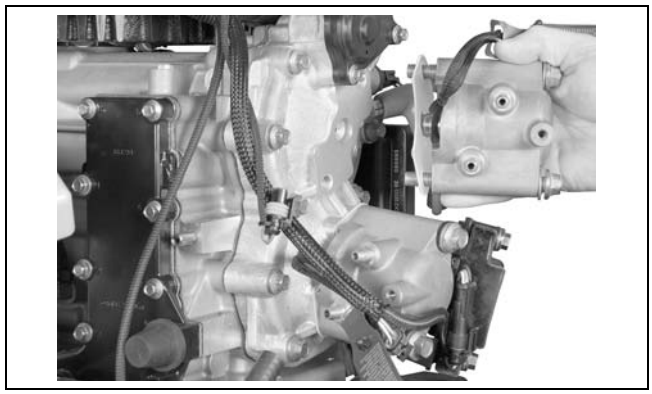
Loosen fuel injector screws.

Remove the vapor separator retaining screws and the vapor separator assembly.



1. Retaining screws 007098

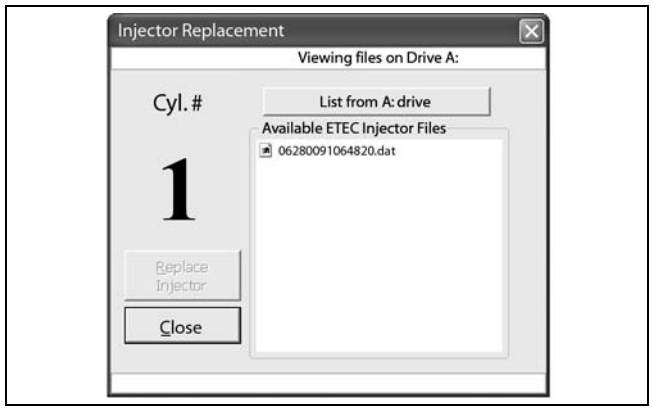
Remove the injector screws, the insulator(s), and the fuel injector(s).



007286

Assembly

IMPORTANT: All injectors must be installed in the correct cylinder by serial number. Improper injector installation can result in powerhead failure. Installation of replacement injectors requires the use of *Evinrude Diagnostics* software and fuel flow data supplied with all replacement injectors on 3.5 in. floppy disk.



004160

⚠ CAUTION

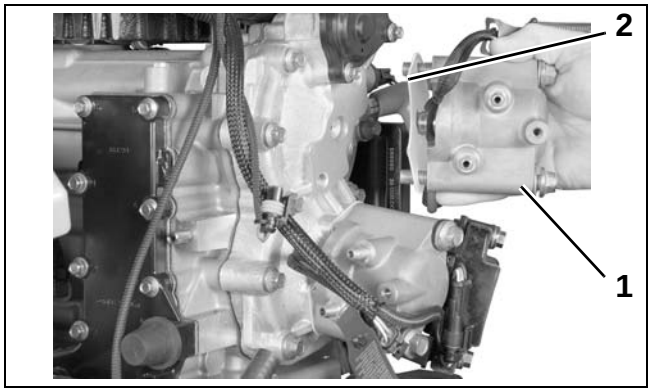
All injector components must be clean to ensure correct torque tightening specifications. To prevent fuel leakage, carefully follow these installation instructions.

The following items and their mating surfaces must be cleaned prior to reassembly:

- Fuel injector
- Cylinder head
- Vapor separator fuel fittings
- Screws
- Threaded areas

Lubricate the threads and under the head of the injector screws with a light coat of *Triple-Guard* grease. Install washer on each injector screw.

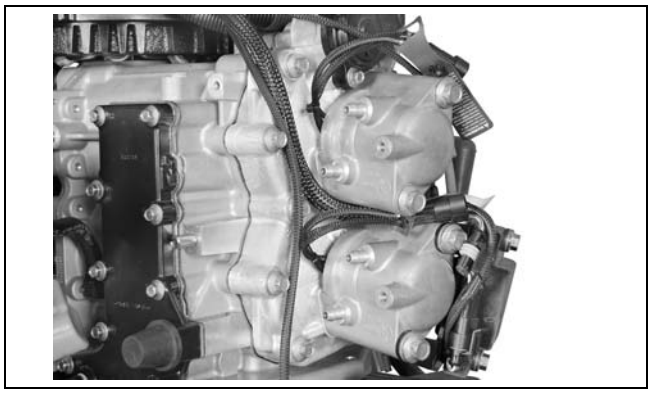
Install injector screws and washers through mounting flange of injector housing. Lower cylinder injector screws go through the coil mounting bracket.



1. Injector 007286
2. Insulator

IMPORTANT: Be careful not to pinch wiring during assembly.

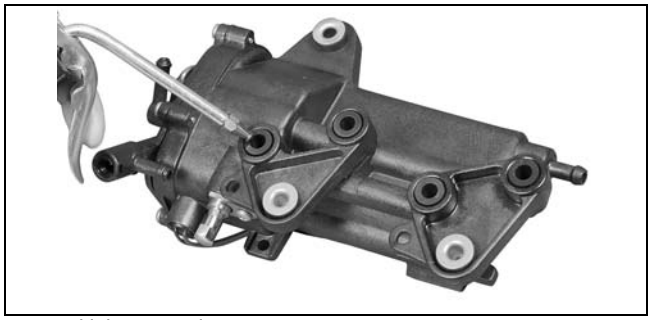
Place injector and insulator on cylinderhead. Temporarily install injector screws finger tight. Position fuel injector and the vapor separator wiring as shown.



007100

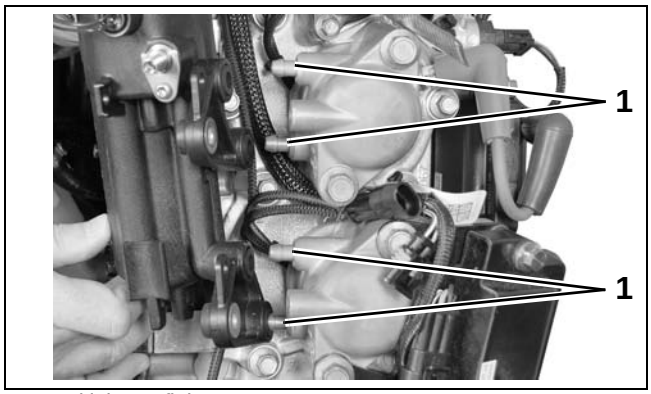
IMPORTANT: Fuel injectors MUST rotate slightly during installation of vapor separator.

Install new fuel injector seals in vapor separator and lubricate with a light coat of outboard lubricant.



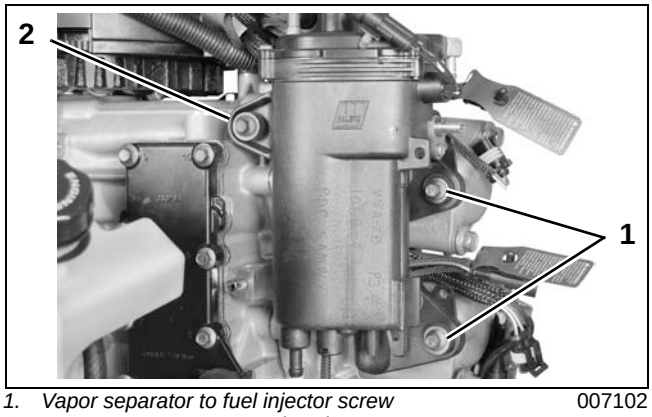
1. Fuel injector seals 007099

Carefully install the vapor separator assembly onto the four fuel injector fittings.



1. Fuel injector fittings 007101

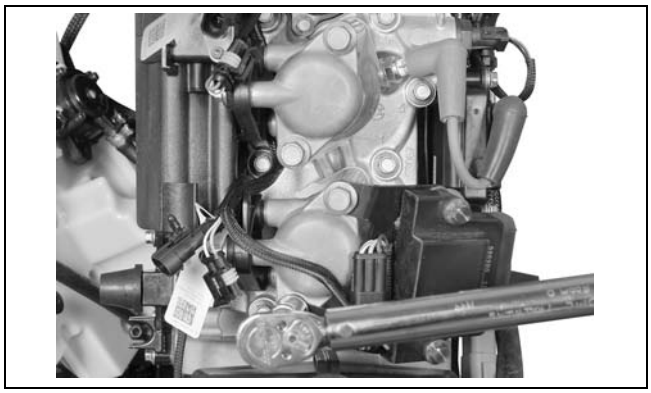
Tighten vapor separator to fuel injector retaining screws to 29 – 48 in. lbs (3.3 – 5.5 N·m). Leave the vapor separator to powerhead screw loose for now.



1. Vapor separator to fuel injector screw 007102
2. Vapor separator to powerhead screw

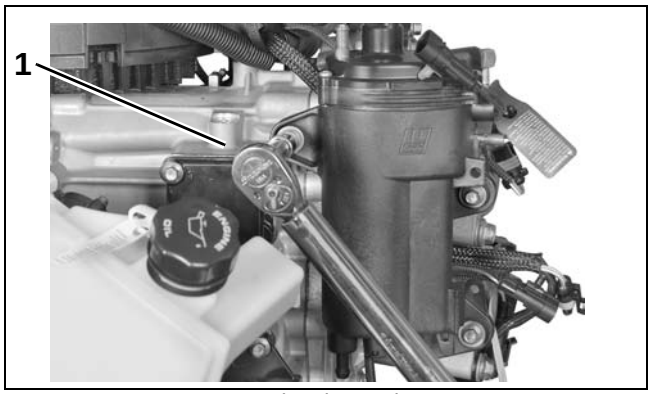
Tighten injector screws in stages, starting with the lower screw:

- First torque is 4.5 ft. lbs. (6 N·m)
- Second torque is 9 ft. lbs. (12.2 N·m)
- Third torque is 14 ft. lbs. (19 N·m)
- Final torque is 22 – 23.5 ft. lbs. (30 – 32 N·m)



007103

Tighten vapor separator to powerhead screw to 29 – 48 in. lbs (3.3 – 5.5 N·m).

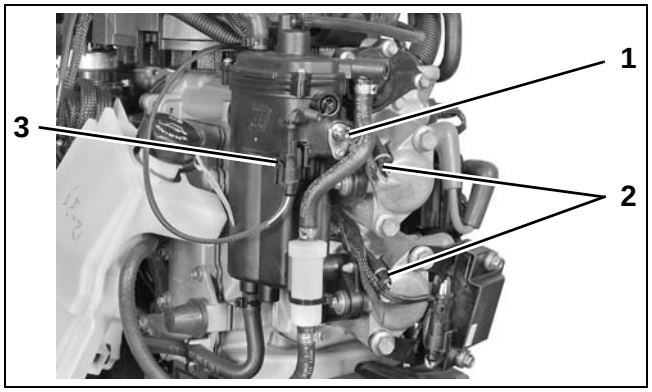


1. Vapor separator to powerhead mounting screw 007104

Install the fuel supply hose, vent hose and the cooling hoses onto the vapor separator. Attach fuel filter to vapor separator with tie strap.

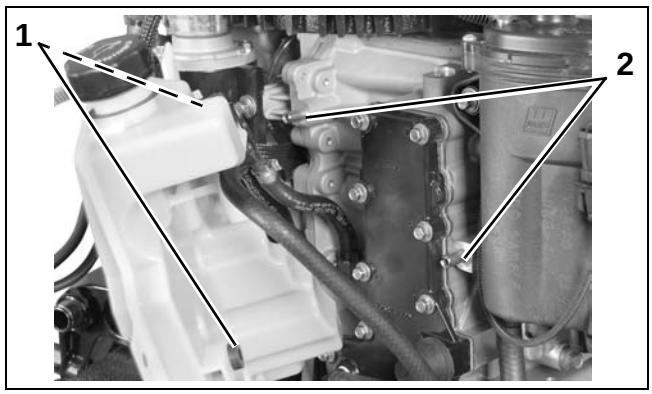
007287

Reinstall protective cap on the pressure test fitting. Reconnect fuel injector electrical connectors. Reconnect circulation fuel pump electrical connector.



1. Protective cap 007105
2. Fuel injector electric connector
3. Circulation fuel pump electrical connector

Align grommets on oil tank with pins on block. Reinstall the oil tank assembly. Tighten oil tank retaining screw to 29 – 48 in. lbs (3.3 – 5.5 N·m).



1. Grommets 007107
2. Pins

Reconnect the battery cables at the battery.

Reconnect fuel hose connector to outboard.

IMPORTANT: Install injector service data (3.5 in. floppy disk) by using the Injector Replacement Utility of *Evinrude Diagnostics* software. Check the *Injector Coefficients* screen to make sure that all injectors are positioned properly.

Squeeze primer bulb to prime fuel system. Hold pressure on bulb and observe for fuel leaks.

Use static test screen of *Evinrude Diagnostics* software to run fuel pump. Observe for fuel leaks.

Run outboard and check for fuel leaks.

IMPORTANT: Pay close attention to vapor separator / fuel injector connection for leaks.

Repair any leaks before returning outboard to service.

EVINRUDE Johnson

OUTBOARDS
Service Bulletin

S

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: December 8, 2008 **No.** 2008-08(S)

MODELS: *Evinrude MFE* (Multi Fuel Engine) Outboards

SUBJECT: De-carboning Procedure

Dear *Evinrude/Johnson*® Dealers:

This communication is to provide *Evinrude/Johnson*® Dealers service information related to decarboning the combustion chambers on *Evinrude MFE* (Multi Fuel Engine) Outboards.

Use *Evinrude/Johnson Genuine Parts Engine Tuner* to remove accumulated carbon from combustion chambers.

777185

This procedure is required for *Evinrude MFE* Outboards run on heavy fuels such as kerosene, JP5, JP8, or Jet A. Perform this procedure every 50 - 100 hours of operation. If possible, run the outboard on unleaded gasoline during the de-carboning procedure.

⚠ WARNING

Outboard should be on the boat and boat should be in the water. If outboard is out of water, remove propeller. Never run the outboard without cooling water.

IMPORTANT: Diesel is not a recommended fuel for *Evinrude MFE* Outboards.

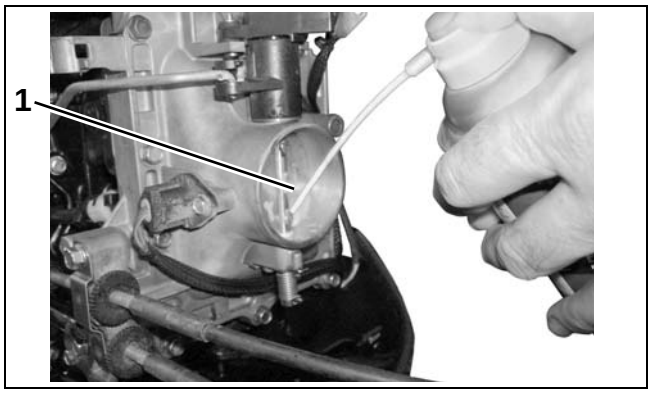
Combustion Chamber De-carboning Procedure

1) Set the fuel switch to the gasoline position and run the outboard on gasoline during the decarboning procedure. If outboard cannot run on gasoline, run outboard on kerosene, JP5, JP8, or Jet A (heavy fuel) and set fuel selector switch to heavy fuel.

2) Start outboard. Run long enough to reach normal operating temperature.

3) Set engine speed to 1500 RPM.

4) Spray *Evinrude/Johnson Genuine Parts Engine Tuner* into the throttle body. Empty the entire contents of can through the throttle body. Do not let engine stall until can is empty.



1. Throttle body 007149

5) Turn engine off and allow engine tuner to soak in powerhead for 8 hours minimum and 16 hours maximum.

⚠ CAUTION

DO NOT allow *Evinrude/Johnson Genuine Parts Engine Tuner* to stay in powerhead for more than 16 hours, extended exposure can damage internal engine parts.

6) Restart engine and run outboard at 1500 RPM for 15 minutes. Ensure that spark plugs are not fouled from the use of the *Evinrude/Johnson Engine Tuner*. Replace spark plugs if necessary.

7) With outboard on boat, run outboard at high speed for 30 to 60 minutes. Boat should be on plane and running over 2500 RPM.

This document can be viewed on the DealerPort™ website at www.dealerport.com

3547 02

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OUTBOARDS
Service Bulletin

S

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: January 30, 2009 **No.** 2009-01(S)

MODELS: All Models **SUBJECT:** Service Tools - 2009 Model Year

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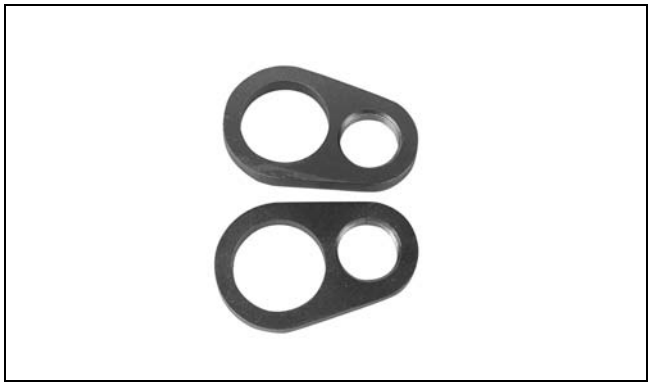
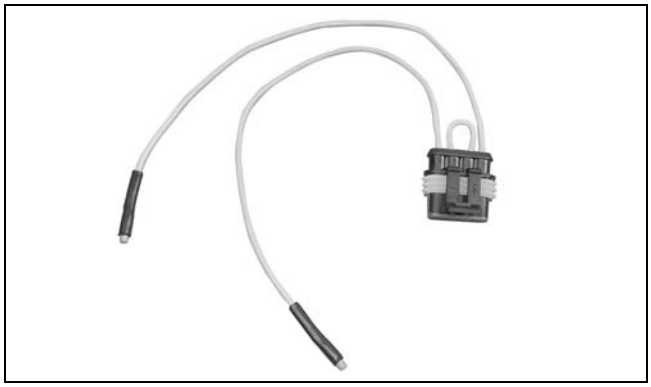
New service tools have been developed during the 2009 Model Year. **These tools will NOT be shipped automatically as part of the essential tool program and must be ordered as needed.** Refer to the appropriate service manual for the required service procedures.

354717 Engine Lift Kit: Used to lift 25 HP and 30 HP *Evinrude E-TEC* outboards from shipping carton. Once the outboard is lifted, the engine cover can be easily removed. (Refer to "Predelivery Bulletin 2008-02(D) and predelivery and installation instructions for additional information.)



354719 Stator Test Adaptor: Used on 25 HP and 30 HP *Evinrude E-TEC* models to test stator output.



354720 Wrist Pin Retainer Installation Tool: Used to install the wrist pin retainer in piston on 25 HP and 30 HP *Evinrude E-TEC* outboards.

587005 Diagnostic Power Supply: Used to supply 12V for communication and programming on *Evinrude E-TEC* outboards. Originally developed for use on *Evinrude E-TEC* 25 - 65 HP rope start models. Can be used on *Evinrude E TEC* outboards or *Evinrude DI* outboards.

IMPORTANT: DO NOT connect this diagnostic power supply to a running outboard.

This document can be viewed on the DealerPort™ website at www.dealerport.com

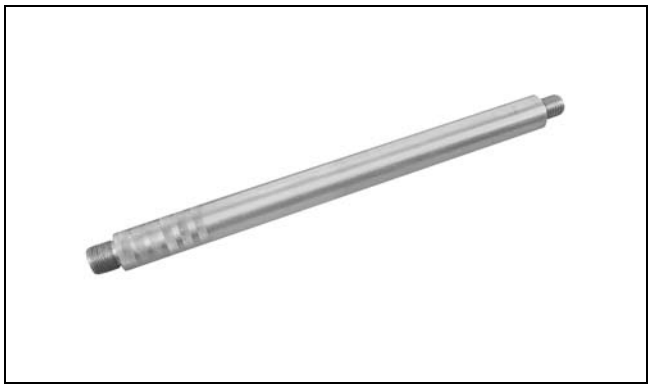
354708

321428 Bearing Installer: This tool was originally released prior to 2001. Use this tool to service new 25 and 30 HP *Evinrude E-TEC* outboards. Used to install front propeller shaft bearing on 20 - 35 HP outboards.

335820 Bearing Installer: This tool was originally released prior to 2001. Use this tool to service new 25 and 30 HP *Evinrude E-TEC* outboards. Used to install rear propeller shaft bearing 20 - 35 HP outboards.

1. *Bearing installer, P/N 321428*
2. *Bearing installer, P/N 335820*

354718 Alignment Gauge Puller: Used to remove propeller shaft bearing housing and alignment gauge from gearcase housing on “L2” or “M2” type gearcases. Alignment Gauge Puller, P/N 354718, Alignment Gauges, P/N 5007749 or P/N 5007750, and Gearcase Alignment Gauge Kit, P/N 5006349, are used to check a gearcase housing for damage.



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OUTBOARDS
Service Bulletin

S

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: May 14, 2009 **No.** 2009-02(S)

MODELS: All 2009 and Newer *Evinrude*® *E-TEC*® 25 – 30 HP Models

SUBJECT: Engine Management Module (*EMM*) Damage

Dear *Evinrude*/*Johnson*® Dealers:

This communication is to inform Evinrude and Johnson dealers of a potential problem.

AFFECTED MODELS

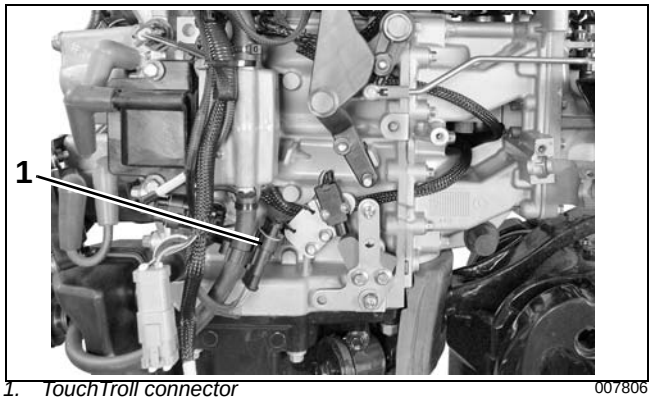
Model Year	Model Numbers	Serial Numbers
2009 & Newer	E25DR, E25DT, E25DP, E25DE, E30DR, 30DT, E30DE, E30DP	All

PROBLEM

Installers may be applying power to the Touch Troll connector.

⚠ CAUTION

DO NOT apply power to the Touch Troll connector by mistake, if you are trying to apply power to the power trim and tilt system. This will instantly damage the Engine Management Module (EMM).



1. TouchTroll connector 007806

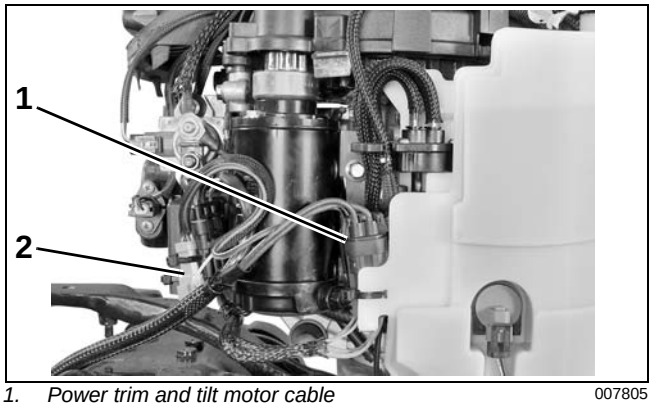
Damage to the EMM from improper service procedures will NOT be covered by warranty.

The power trim and tilt connectors, located on the port side of the outboard, can be used to power the power trim and tilt system of the outboard.

1.Apply power to the blue and green wires of the power trim and tilt motor cable.

OR

2.Connect battery power to the outboard and temporarily connect a trim switch to the trim switch connector.



1. Power trim and tilt motor cable 007805
2. Trim switch connector

355033

EVINRUDE® Johnson® | BRP

OUTBOARDS
Service Bulletin

S

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: December 24, 2009 **No.** 2009-03(S)

MODELS: All 2009 and Newer *Evinrude*® *E-TEC*® Models

SUBJECT: Requirement for EPA Approved Fuel Hoses

Dear *Evinrude*/*Johnson*® Dealers:

This communication is to inform dealers of changes in federal regulations which affect the rigging of 2009 and newer *Evinrude* or *Johnson* outboards.

REQUIREMENTS

The U.S Environmental Protection Agency (EPA) has issued regulations requiring that all outboards and boats manufactured after January 1, 2009 must be assembled with fuel hoses that meet specific permeability limits for evaporative emissions.

Failing to follow these instructions when installing a certified engine in a vessel violates federal law (40 CFR 1068.105 (b)), subject to fines or other penalties as described in the Clean Air Act.

In order to comply with this regulation, BRP US, Inc. recommends that anyone installing an *Evinrude* or *Johnson* outboard should use low permeability fuel hoses as follows:

- Use SAE J30R9, or USCG Type B1-15, fuel hose in motor well areas.
- Use USCG Type A1-15 fuel hose between permanent fuel tanks and motor well fittings in inaccessible routings.
- Compliant hoses are labeled with the applicable specification and date code.

1. Specification
2. Date code
007944

IMPORTANT: Use low permeability fuel hoses when servicing 2009 and newer *Evinrude* or *Johnson* outboards.

EVINRUDE® E-TEC®

BRP

OUTBOARDS

SERVICE
Bulletin

S

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: November 23, 2009 **No.** 2009-04(S)

MODELS: 2009 and 2010 *Evinrude® E-TEC®* 90°V6 (3.4 L) 250 HP (H.O.) Outboards

SUBJECT: Engine Performance and Cylinder Head Kit, P/N 5008247

Dear *Evinrude/Johnson®* Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of an important service advisory. Some engine models may need the installation of cylinder head kit, P/N 5008247. This kit should only be installed on 2009 and 2010 *Evinrude E-TEC* 90°V6 (3.4 L) 250 HP (H.O.) outboards.

IMPORTANT: Outboards listed as AFFECTED MODELS may have engine performance issues and can experience performance improvements from the installation of this cylinder head kit and the associated engine software update. Remember, actual performance changes can be affected by variations in boats, engines, propellers, and boat setup.

Verify engine performance and customer concerns before installing cylinder head kit. Check the following engine adjustments:

- Set spark plug gap to .028 in. (7.1 mm) and index and torque spark plugs per service manual.
- Compression test – check port cylinders, 10% variation between cylinders and then check starboard cylinders, 10% variation between cylinders. (If varies more than 10% on one bank of cylinders, call dealer support.)
- Set timing pointer and verify timing.
- Use *Evinrude Diagnostics* to check that engine wide open throttle (WOT) reaches 3.76 to 4.65 volts (approximate). Adjust throttle cable or foot throttle if WOT voltage is not in this range.

If engine adjustments were required, return engine to customer for test run.

If engine adjustments are correct and set to specification, fill out the *Service Bulletin 2009-04(S) Order Form* located at the end of this bulletin.

IMPORTANT: Refer to Warranty Bulletin 2009-05(W), *Fuel Injector Replacement*, before installing this cylinder head kit.

AFFECTED MODELS

Model Year	Displacement and Horsepower	Model Number Suffix	Affected Serial Number Range
2009	3.4 L 250 HP (H.O.)	"F"	After 5255573
2010	3.4 L 250 HP (H.O.)	"C" and "R"	Prior to 5269307
Outboards with replacement powerheads, P/N 189997 and P/N 190004			

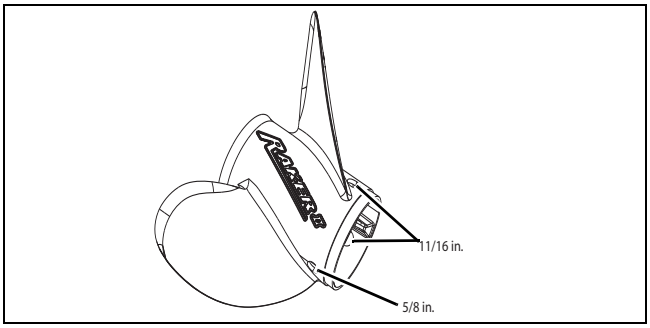
Special Application Propeller

A *"Big Bass" 24 Raker* propeller, P/N 177309, has been developed for limited use. Some bass boats which perform within the optimum RPM range of 5500 to 5800 RPM at wide open throttle may see improved acceleration with the installation of this special application propeller.

This propeller is only available for engines used on bass boat applications. Other boat applications will not benefit from this type of propeller.

Refer to the *Service Bulletin 2009-04(S) Order Form* located at the end of this bulletin.

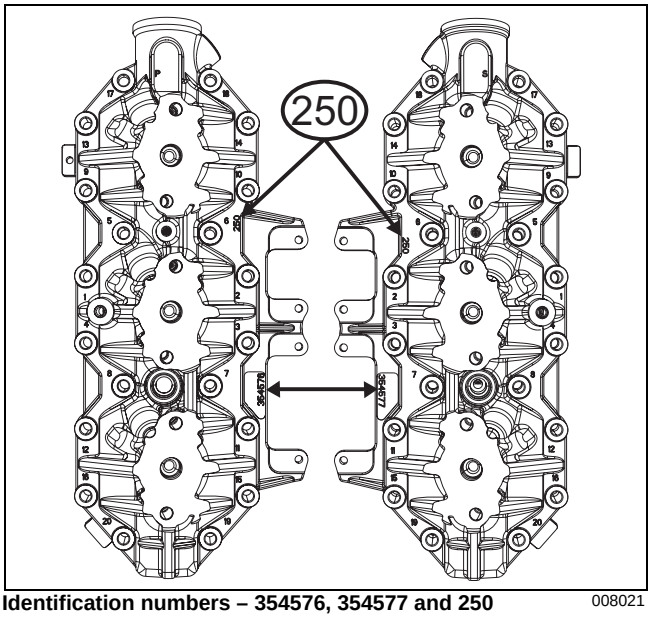
- North American dealers must request this propeller by filling out the form.
- Bass boat model and serial number will be required on the order form to qualify for a replacement *Raker* propeller.
- Dealers outside of North America must contact their regional office.



3 5 5 2 7 5

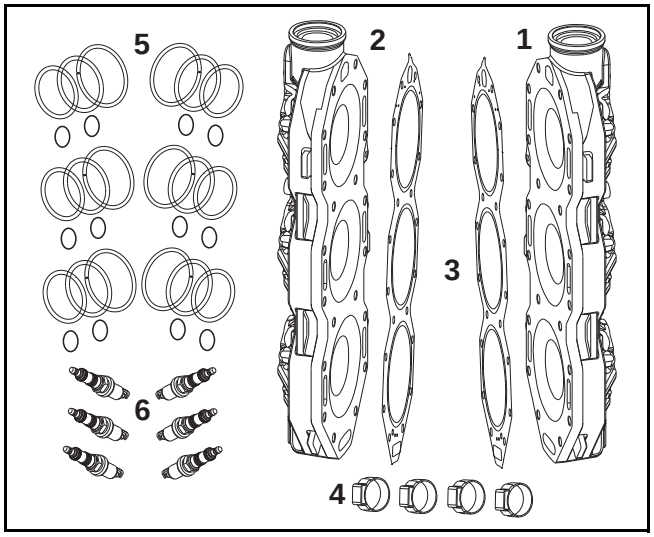
IDENTIFICATION PROCEDURE

Outboards with replacement cylinder heads can be easily identified. The engine cylinder heads have identification numbers in the castings. This kit provides port cylinder head, P/N 354576, and starboard cylinder head, P/N 354577. Both cylinder heads have identification number 250 in the casting.



Identification numbers – 354576, 354577 and 250 008021

CYLINDER HEAD KIT, P/N 5008247



008022

1. *PORT cylinder head, P/N 5007298*
2. *STARBOARD cylinder head, P/N 5007299*
3. *Cylinder head gasket, P/N 346007 (Qty 2)*
4. *Clamp 25.6mm, P/N 346152 (Qty 4)*
5. *Fuel injector seal kit, P/N 5007017 (Qty 6)*
6. *Spark plug, P/N 5007597 (QC8WEP - Qty 6)*

DISASSEMBLY PROCEDURE

Disconnect the battery cables at the battery.

Refer to service manual for additional service information.

Remove the lower engine covers.

Relieve fuel system pressure.

Note the position of all wiring and electrical connectors. Carefully remove all spark plugs and wiring as needed.

Carefully remove knock sensors.

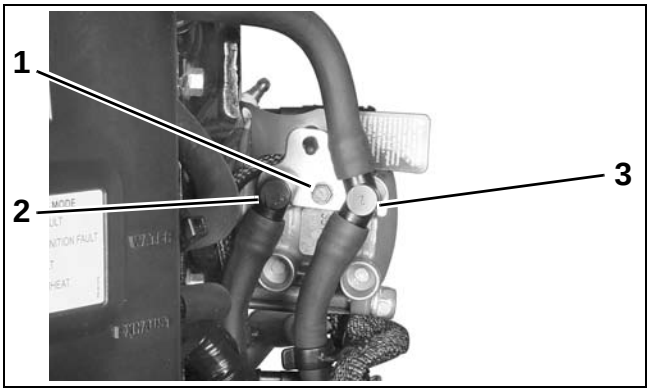
Carefully remove ignition coils and coil mounting brackets.

Do not damage cooling hoses when removing hose clamps.

Fuel Manifolds

Be careful when handling the fuel manifolds.

Remove fuel manifold retainer screws and remove retainers from fuel injectors.



1. *Retainer screw* 004266
2. *Fuel supply manifold fitting*
3. *Fuel return manifold fitting*

Disconnect fuel manifold fittings from fuel injector ports. Move the fuel manifold assemblies aside to allow injector and cylinder head removal.

Fuel Injectors

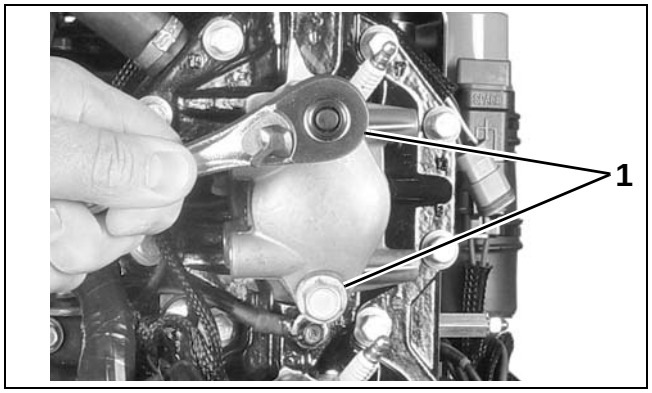
Mark fuel injectors to show cylinder locations.

Disconnect the fuel injector electrical connectors.

IMPORTANT: Fuel injectors must be installed in the correct cylinder locations. Use *Evinrude Diagnostics* software to make sure the *EMM* programming matches injector positioning.

Use caution when handling fuel injectors. Prevent dirt and debris from entering fuel inlet and outlet ports of injectors or fuel manifolds. Cover the injector nozzle port in cylinder head to prevent contamination of combustion chamber.

Remove injector screws.

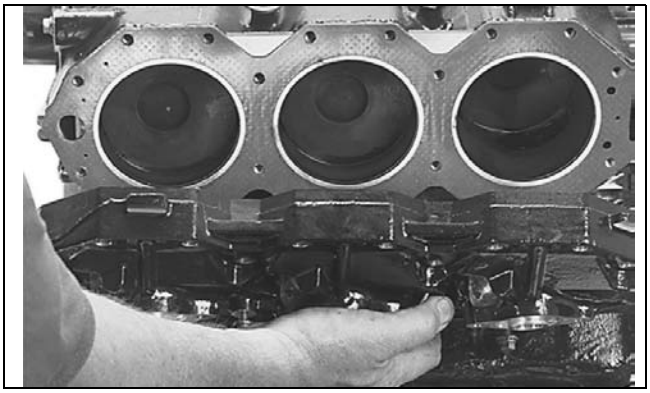


1. Injector screws 004267

Remove fuel injector and insulator.

Cylinder Head Removal

Loosen cylinder head retaining screws in stages. Remove cylinder head retaining screws and cylinder heads.



49431

Remove cylinder head gaskets. Clean the gasket surfaces of the cylinder block.

Clean the cylinder head bolt threads in the cylinder block before installing new cylinder heads.

Check and clean the new cylinder heads and the gasket surfaces of the new cylinder heads before installing.

ASSEMBLY PROCEDURE

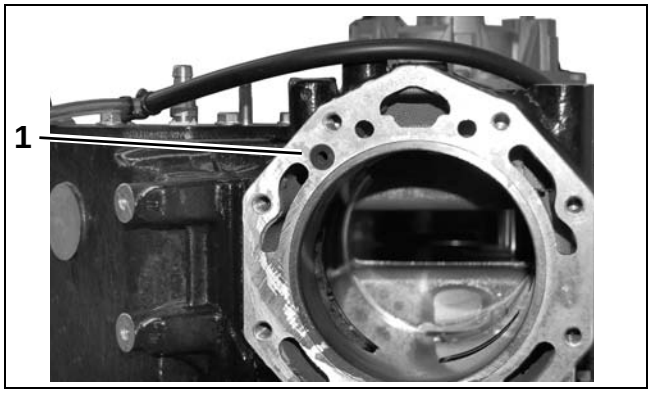
Refer to service manual for additional service information.

Lightly coat both sides of a new cylinder head gasket with *Gasket Sealing Compound*.

Cylinder Head Installation

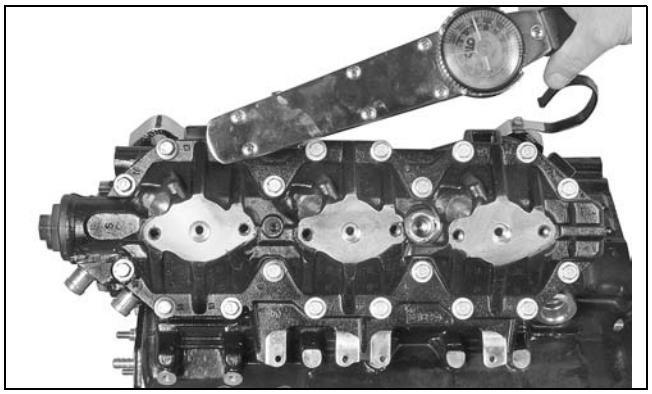
Place gasket on cylinder block following instructions printed on gasket.

Check water dam is in cylinder block.



1. Water dam 006965

Install cylinder head with the thermostat toward the top. Apply *Triple-Guard* grease to threads and install the cylinder head screws. DO NOT use any sealant on threads. Following sequence on the cylinder head, tighten all screws in stages to a torque of 17 to 19 ft. lbs. (23 to 26 N·m).

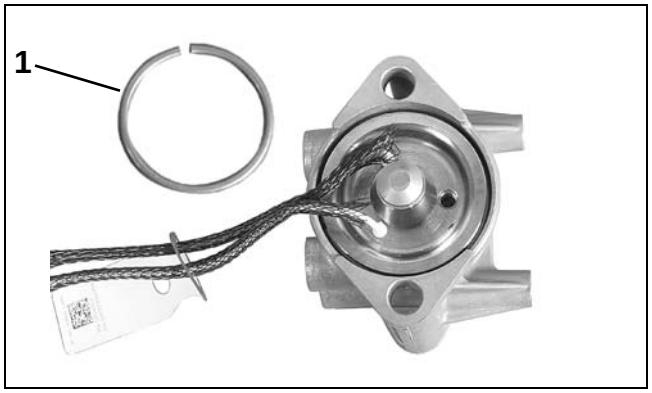


004133

Fuel Injectors

Clean injector mounting surfaces before installing injectors.

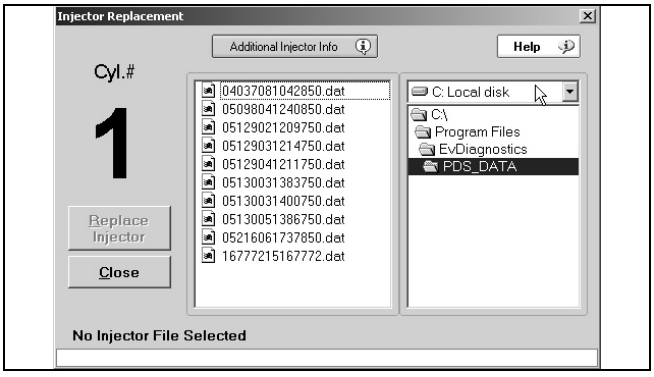
Install fuel injectors using new crush rings and o-rings included in the Fuel Injector Seal Kit.



1. Crush ring 0023182

IMPORTANT: All injectors must be installed in the correct cylinder by serial number. Improper injector installation can result in powerhead failure.

Installation of replacement injectors requires the use of *Evinrude Diagnosics* software and fuel flow data supplied with all replacement injectors on 3.5 in. floppy disk (or from online data base).



005157

Refer to appropriate service manual and *Evinrude Diagnostics* software for additional information.

⚠ CAUTION

All injector components must be clean to ensure correct torque tightening specifications. To prevent fuel leakage, carefully follow these installation instructions.

Place fuel injector and injector insulator in the proper cylinder location.

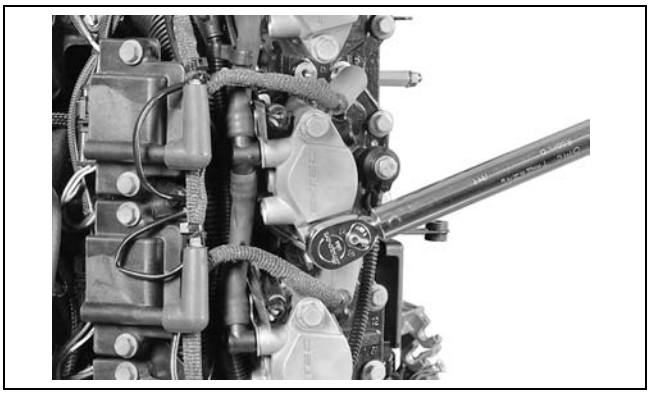
IMPORTANT: Be careful to not pinch engine wiring or damage cooling hoses while installing hose clamps.

Lubricate the threads of injector mounting screws and under the head of the screw with a light coat of *Triple-Guard* grease. Install washers (one per screw) on injector retaining screws. Install screws and washers through mounting flange of injector and into cylinder head.

002316

Tighten injector screws in stages, starting with the lower screw.

- First torque is 5 ft. lbs. (7 N·m)
- Second torque is 10 ft. lbs. (14 N·m)
- Final torque is 24 to 26 ft. lbs. (33 to 35 N·m).



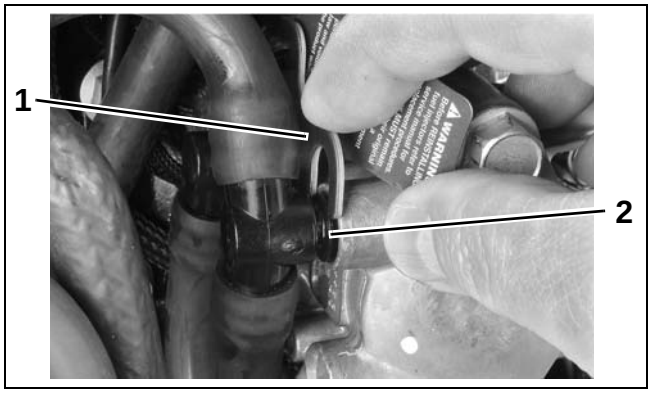
Tighten Screws in Stages 007210

Fuel Manifolds

Install the fuel manifolds.

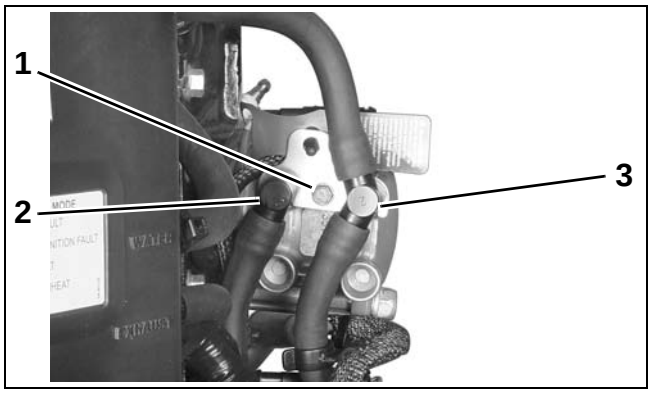
Check condition of sealing O-rings on fuel manifold fittings. Lubricate O-rings with outboard lubricant and insert fuel manifold fittings into injector. Both fittings must be fully seated into the injector fuel ports.

Install retainer and screw. Retainer must engage the outer groove of the manifold fittings.



1. *Retainer*
2. *Manifold fitting groove*

005342



1. *Retainer screw*
2. *Fuel supply manifold fitting*
3. *Fuel return manifold fitting*

004266

Reconnect fuel injector electrical connectors.

IMPORTANT: Use *Evinrude Diagnostics* and check the *Injector Coefficients* screen to make sure that all injectors are positioned properly.

Carefully set spark plug gaps and index all spark plugs.

Carefully install knock sensors. Tighten mounting screws to 14-16 ft. lbs. (19-22 N·m).

Carefully install ignition coils and coil mounting brackets. Position all wiring and electrical connectors carefully.

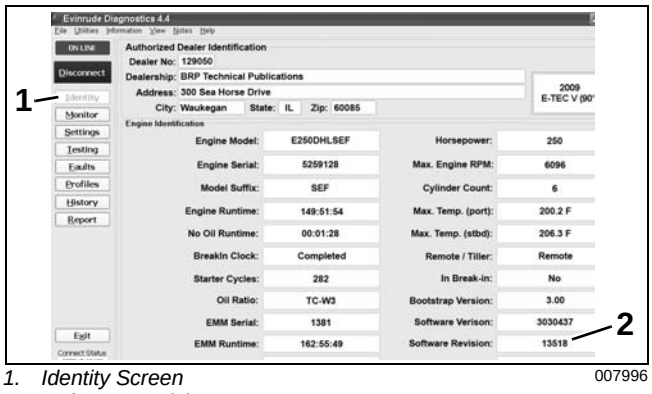
Reinstall lower engine covers.

Reconnect the battery cables at the battery.

Run outbound and check for fuel leaks. Repair all leaks.

SOFTWARE UPDATE PROCEDURE

Use *Evinrude Diagnostics* software to view the "Identity Screen." Record the engine management software version and revision numbers



1. *Identity Screen*
2. *Software Revision*

007996

Save and print an "Engine Identification Report."

A record of original engine management software (version and revision numbers) and the new engine management software (version and revision numbers) MUST be recorded and retained with your service records.

Compare the software revision number in the outboard's *EMM* to the software revision number listed in the following table. Update the *EMM* software to the software part number and revision number listed.

Model Year	Horsepower and Model Suffix	Software P/N	Revision (PCN)
2009	(3.4 L) 250 HP: Suffix "SEF"	3030432	13513HO
2010	(3.4 L) 250 HP: Suffix "ISC" & Suffix "ISR"	3030437	13518HO

Log into *DealerPort* (www.dealerport.com).

Click **Engine Software**.

1. *Engine Software link*

005511

Click **Engine Software Update (maps).**

Click **Evinrude E-TEC Windows & PDA (maps).**

Click **Evinrude E-TEC V Block - 115 HP to 300 HP.**

Scroll to the list of software part numbers. Locate the appropriate **Software P/N**, based on the horsepower and model suffix. Please note the update date for the software revision listed online.

Click **Get Map**. (Save file to a known location.)

After downloading the file and opening it, the program will extract software into files for use with *Evinrude Diagnostics* software.

Always use the latest version of *Evinrude Diagnostics* software to install the *EMM* software update in the outboard. *Evinrude Diagnostics v*ersion 4.4 is presently available online.

If *DealerPort* or *BossWeb* is not available, send a request for software to bmca.techsvc@brp.com. Reference "E-TEC (3.4 L) 250HP Cylinder Head Kit Software" in the subject line of the e-mail.

Check the "Identity Screen" to confirm the correct software version and revision numbers are listed.

Save and print a second "Engine Identification Report."

Identification Procedure

Outboards with updated software must be easily identified.

Use a BLACK permanent marker to mark the *EMM* as shown below to indicate updated software has been installed.

1. Mark 005510

DEALER RESPONSIBILITY

Order cylinder head kit, P/N 5008247, and install on affected engines. See AFFECTED MODELS.

ONLY authorized servicing dealers may perform warranty repairs.

Dealers should print an *Evinrude Diagnostics* Engine Report after cylinder heads and engine software are replaced. Keep copies of updated engine reports with service records.

WARRANTY ALLOWANCE REQUESTS

Submit a Warranty Allowance Request for install ing the kit and software.

Credit will be applied in accordance with established warranty rates listed in the current dealer warranty database.

BRP will credit dealers for repairs performed up to 12 months from the date this bulletin is issued.

DealerPort Users

Dealers using DealerPort must include the following information with the warranty allowance request form:

- Flat Rate Code – **PH01** (4.7 hours)
- Failing Part Number – **9999986**
- Customer Comment Code – **239**
- Service Bulletin Number – **2009-04(S)**
- Include a copy of engine report (use *Evinrude Diagnostics*) indicating engine software is updated

BRP will not accept other labor or parts on the warranty allowance request for this warranty campaign.

Credit for labor and parts will be issued after the warranty allowance request form is returned. For additional information in U.S. and Canada call 1-800-888-4662.

BossWeb Users

Dealers using BossWeb must include the following information with the Service - Campaign Claim (Warranty Allowance Request):

- Use Campaign Number 5245
- Mail a copy of engine report (use *Evinrude Diagnostics*) indicating engine software is updated

Mailing Addresses:

- **U.S. Dealers only —** The address is:

BRP US Inc.
300 Sea Horse Drive, Dock 5
Waukegan, IL 60085
Attn: Outboard Warranty

- **Canadian Dealers —** The address is:

Centre de pieces de garantie BRP
BRP Warranty Part Center
565, de la Montagne
Valcourt, QC J0E L0J
Attn: Outboard Warranty

- **Dealers Outside of North America —** Contact your regional office

ORDER FORM – Service Bulletin 2009-04(S)

Dealers in U.S. & Canada: Please fax a completed order form to phone # 847.689.7235
Attention: Outboard Warranty

Dealers outside of North America: Please contact your regional office.

Date ______________________ Dealer # ______________________

Dealership Name ____

Dealership Contact ____________________ Phone # ________________

Please order/ send cylinder head kits (P/N 5008247) for the following engine(s):

Engine Model # ________________ Serial # ______________________

Boat Manufacturer ________ Model _______ Serial # ________________

Propeller Description / Size ____________________________________

Include *"Big Bass" 24 Raker* propeller, P/N 177309, with order Y/N ___________

Owner Name ____

& Address ____

____

Phone # ____________________

Engine Model # ________________ Serial # ______________________

Boat Manufacturer ________ Model _______ Serial # ________________

Propeller Description / Size ____________________________________

Include *"Big Bass" 24 Raker* propeller, P/N 177309, with order Y/N ___________

Owner Name ____

& Address ____

____

Phone # ____________________

Engine Model # ________________ Serial # ______________________

Boat Manufacturer ________ Model _______ Serial # ________________

Propeller Description / Size ____________________________________

Include *"Big Bass" 24 Raker* propeller, P/N 177309, with order Y/N ___________

Owner Name ____

& Address ____

____

Phone # ____________________

EVINRUDE® E-TEC®

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OUTBOARDS

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Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: January 22, 2010

No. 2010-01(S)

MODELS: 2009 *Evinrude E-TEC* 75-90 HP Outboards

SUBJECT: Incorrect Wiring Diagram in Service Manual, P/N 5007811

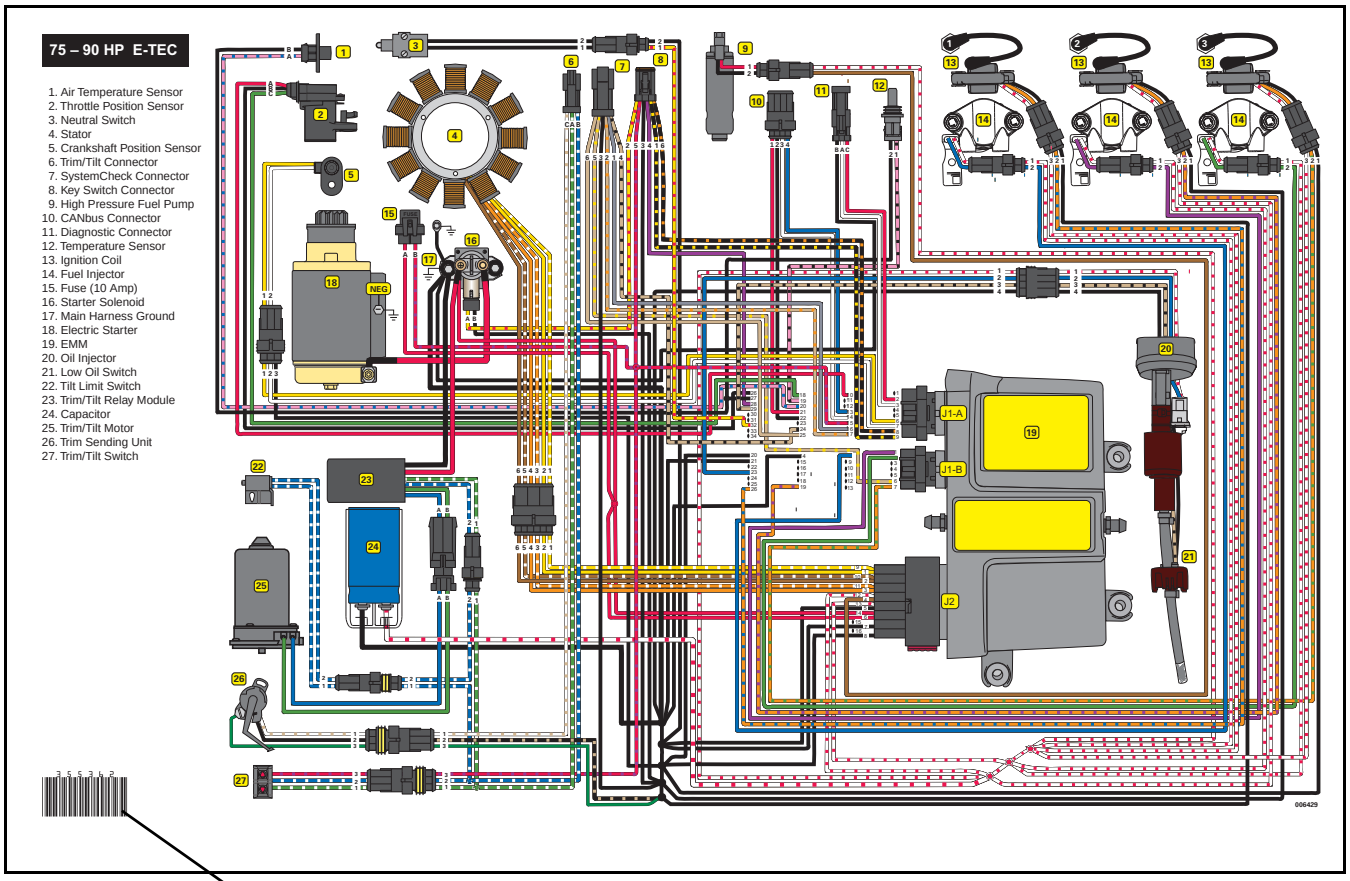
Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude*/*Johnson* dealers of an incorrect wiring diagram in the 2009 *Evinrude E-TEC* 75-90 HP Service Manual, P/N 5007811.

Service manual, P/N 5007811, was included in the 2009 *Evinrude E-TEC* Service Manual Set, P/N 5007823. These service manual sets were automatically shipped to North American dealers through the essential literature program in June of 2009.

This "replacement" wiring diagram (included with this bulletin) should be attached to the original wiring diagram in the service manual. Dealers are asked to place the 2009 *Evinrude E-TEC* 75-90 HP wiring diagram, P/N 355362, in 2009 *Evinrude E-TEC* 75-90 HP Service Manual, P/N 5007811.

Additional wiring diagrams can be ordered through P&A. Order Diagram–75/90 2009, P/N 5008294, as needed.



P/N 355362 – New wiring diagram

This document can be viewed on the DealerPort™ website at www.dealerport.com

355366

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Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: April 12, 2010 **No.** 2010-02(S)

MODELS: *Evinrude*® E-*TEC*® 15 – 300 HP outboards

SUBJECT: Damaged Wiring Resulting from Improper Rigging or Faulty Connections

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Dear *Evinrude/Johnson* ® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of potential damaged wiring resulting from improper rigging or faulty connections.

PROBLEM

When the amperage capacity of smaller gauge wiring is exceeded, the wiring overheats and melts. Current flowing through a circuit will follow another return ground path, when there is a faulty connection to the proper return ground path of that circuit.

The green wire of the trim and tilt sending unit and the bonding lead assembly are designed for corrosion protection. They can become a return ground path if the main battery cable ground connection is faulty. This can cause wiring to melt when:

- The operator presses the trim and tilt switch, activating the trim and tilt system.
- The operator turns the key switch to the start position, activating the starter motor.
- Alternator or battery charging current flows through the circuit (engine running).

Refer to diagram on next page.

Accessory wiring in the boat can melt and engine damage can occur when excessive electrical current follows an unintended path through the boat, the wiring of boat accessories, a jackplate or the steering system. This condition can be caused by:

- Reversed polarity of battery cables.
- Reversed polarity of accessory wiring.
- Improper accessory wiring.
- Improper accessory fuse protection.
- A short circuit in an accessory.

PREVENTION

Refer to the appropriate Service Manual for service procedures. Inspect the battery and battery cables. Look for loose battery cables on the battery and engine.

IMPORTANT: Make sure engine battery cable ground screws or studs are clean and tight.

Look for corroded terminals and cables. Replace all corroded terminals and cables. After installing cables on the engine, apply *Liquid Neoprene* to prevent corrosion.

Connecting Battery Cables

Before connecting battery cables, be sure to:

- Secure all batteries to battery mounting tray or battery box
- Identify battery cables for each battery (multiple battery installations)
- Identify polarity of battery cables
- Identify polarity of accessory cables
- Check accessories have correct fuse protection
- Check accessories are correctly wired

Install battery cables on the starter solenoid and main ground screw or stud. Tighten connections securely. Apply *Liquid Neoprene* to prevent corrosion.

Install a starwasher on the threaded battery terminal.

IMPORTANT: Connect the battery positive (+) cable to the battery positive (+) post FIRST. Connect the battery negative (–) cable to the battery negative (–) post LAST.

Install the outboard battery cables first, then cables from accessories. Install a hex nut to secure cables. DO NOT use wing nuts.

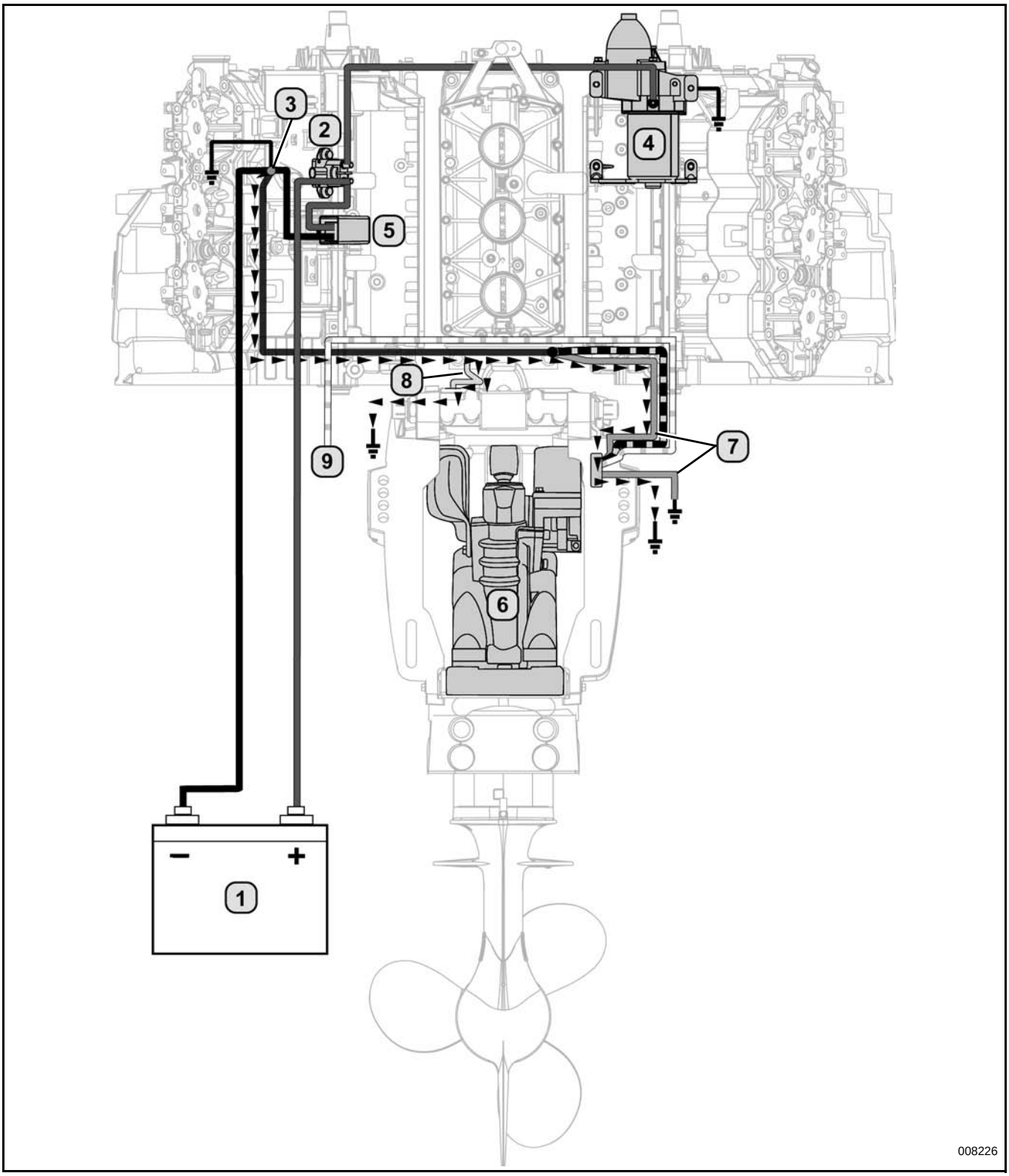
Tighten connections securely. Apply *Triple Guard* grease to prevent corrosion.

Install battery box cover, or install protective cover on connections and terminals.

NOTICE **Failure to follow service manual guidelines can result in melting the green wire of the trim and tilt sending unit, the bonding lead assembly, and other engine or boat wiring damage.**

Failures of this nature are NOT due to defects in material or workmanship and are NOT covered by the BRP Limited Warranty.

The arrows show the return ground path when there is a faulty connection of the main battery cable ground.



1. *Battery*
2. *Starter solenoid*
3. *Main engine ground*
4. *Starter motor*
5. *Trim and tilt relay*
6. *Trim and tilt hydraulic unit*
7. *Trim and tilt sending unit green wire*
8. *Bonding lead assembly (powerhead to steering arm to swivel bracket)*
9. *To trim and tilt gauge*

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Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: March 26, 2010 **No.** 2010-03(S)

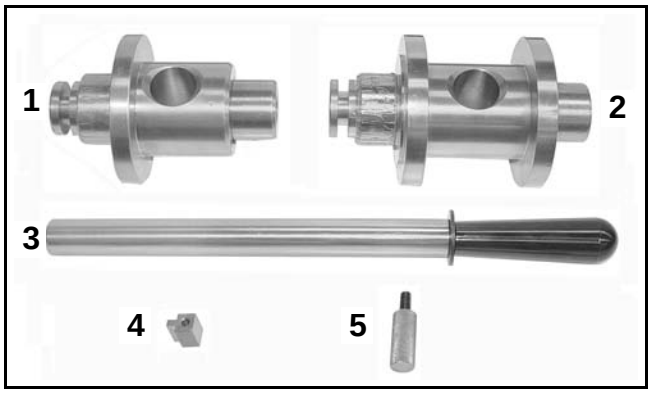
MODELS: *Evinrude*® E-*TEC*® 75–300 HP outboards **SUBJECT:** Gearcase Alignment Gauge Kit, P/N 5006349

Replaces Service Bulletin 2004-09(S)

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers that additional components are available for use with the Gearcase Alignment Gauge Kit, P/N 5006349. The instructions for using the kit have also been revised.

The gearcase alignment gauge kit includes the following components.

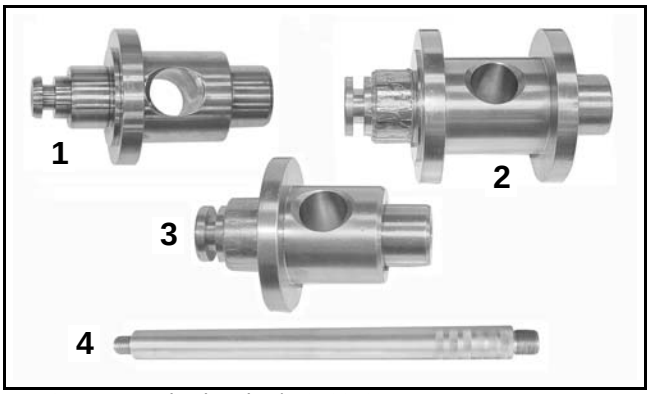


Gearcase Alignment Gauge Kit, P/N 5006349 004315
1. *"L" type and "O" type gauging head*
2. *"M" type gauging head*
3. *Gauging shaft*
4. *Retainer*
5. *Thumb screw*

For individual replacement components for this kit, contact Meyer Engineering, 1139 Lewis Avenue, Winthrop Harbor, IL 60096–1428, 847–746–1500.

Use the gearcase alignment gauge kit to check the condition of all late model V4 and V6 gearcase housings before reassembly.

Additional components have been developed since the gearcase alignment gauge kit was introduced. The following tools are available individually to support the Gearcase Alignment Gauge Kit, P/N 5006349, and should be ordered from *Evinrude/Johnson Genuine Parts and Accessories.*



1. *"S" type gauging head, P/N 352879* 008261
2. *"M2" type gauging head, P/N 5007749*
3. *"L2" type gauging head, P/N 5007750*
4. *Gauge remover Shaft, P/N 354718*

INSTRUCTIONS

Check the alignment of the gearcase housing on gearcase assemblies that have experienced impact damage and/or internal bearing and gear failure.

NOTICE **Distorted gearcase housings affect driveshaft to propeller shaft alignment and gear alignment. Failure to properly identify distorted gearcase housings can result in replacement gear failure. This type of failure is NOT covered by warranty.**

The gearcase alignment gauge kit components assemble to the forward bearing housing of a standard rotation gearcase and Driver Handle, P/N 311880 (existing tool), or Gauge Remover Shaft, P/N 354718.

Assemble as indicated to check all V4 ("S" and "S2" types) and V6 gearcase housings (1979 and newer with 4 hole water inlets, "O," "L," "L2," "M," and "M2" types).

This document can be viewed on the DealerPort™ website at www.dealerport.com

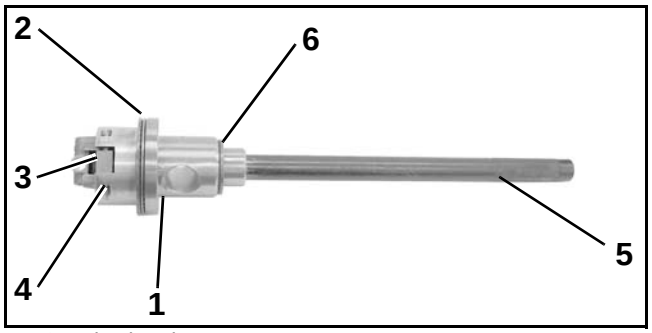
Refer to “GEARCASE IDENTIFICATION” on page 5 to properly identify gearcase type.

IMPORTANT: Disassemble and thoroughly clean gearcase housing and reinstall pinion bearing before installing the assembled gearcase alignment gauge into gearcase housing.

Select the correct gauging head. Refer to “GAUGING HEAD IDENTIFICATION” on page 6. Assemble gauging head with forward thrust bearing and washer onto forward bearing housing. Install the retainer in place of shift lever. Install shift pin.

“S,” “S2,” “O,” “L” and “M” Type Gearcases

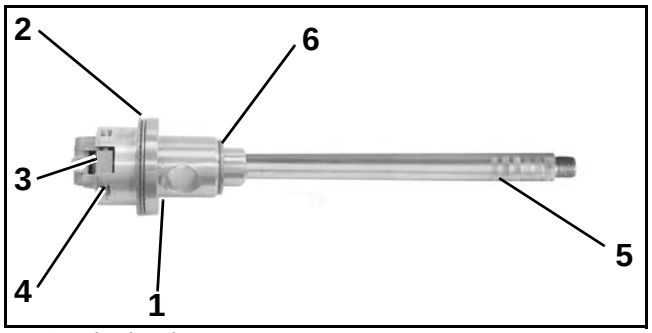
Thread Driver Handle, P/N 311880, into back of gauging head and tighten. Gauge Remover Shaft, P/N 354718, can be used if driver handle is not available. Position reverse thrust bearing and washer on gauging head.



1. *Gauging head* 004316
2. *Forward thrust washer and bearing*
3. *Retainer*
4. *Shift pin*
5. *Driver handle, P/N 311880*
6. *Reverse thrust bearing and washer*

“L2” and “M2” Type Gearcases

Thread Gauge Remover Shaft, P/N 354718 into back of gauging head and tighten. Position reverse thrust bearing and washer on gauging head.

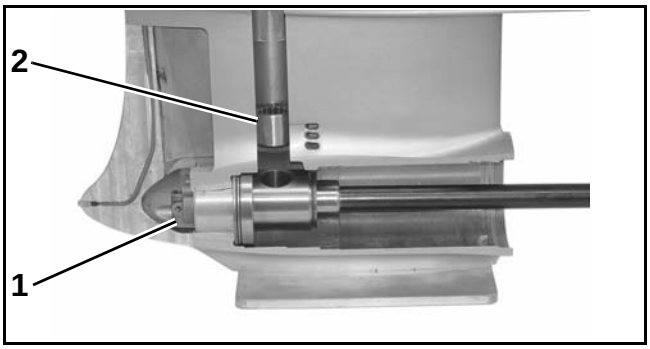


1. *Gauging head* 004316A
2. *Forward thrust washer and bearing*
3. *Retainer*
4. *Shift pin*
5. *Gauge remover shaft, P/N 354718*
6. *Reverse thrust bearing and washer*

NOTICE **The gauge remover shaft MUST be used to remove gauging head, forward thrust bearing and forward bearing housing from “L2” and “M2” type gearcase housings.**

All Gearcases

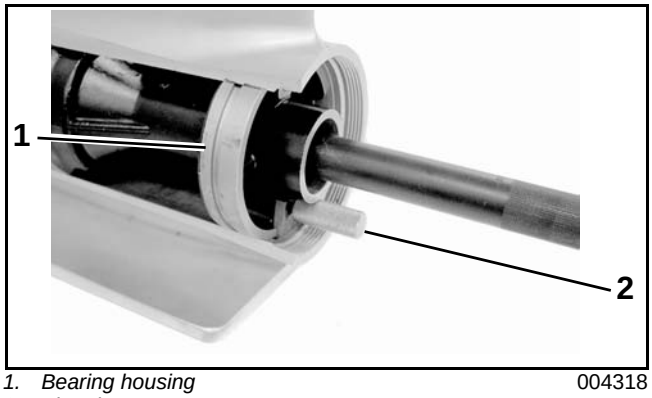
Insert assembly into cleaned gearcase housing. Make sure that forward bearing housing seats completely into front of gearcase housing.



1. *Forward bearing housing* 004348
2. *Pinion bearing, assembled*

“S,” “S2,” “O,” “L” and “M” Type Gearcases

Temporarily install the propeller shaft bearing housing **without** large O-rings (or locking wedge, if equipped). Bearing housing must be fully seated in gearcase housing. Install lower tab retainer in housing and secure with thumb screw (if equipped).



1. *Bearing housing* 004318
2. *Thumb screw*

“L2” and “M2” Type Gearcases

Grease the machined side surfaces of propeller shaft bearing housing. Do NOT install the propeller shaft bearing housing large O-rings.

Align propeller shaft bearing housing into gearcase

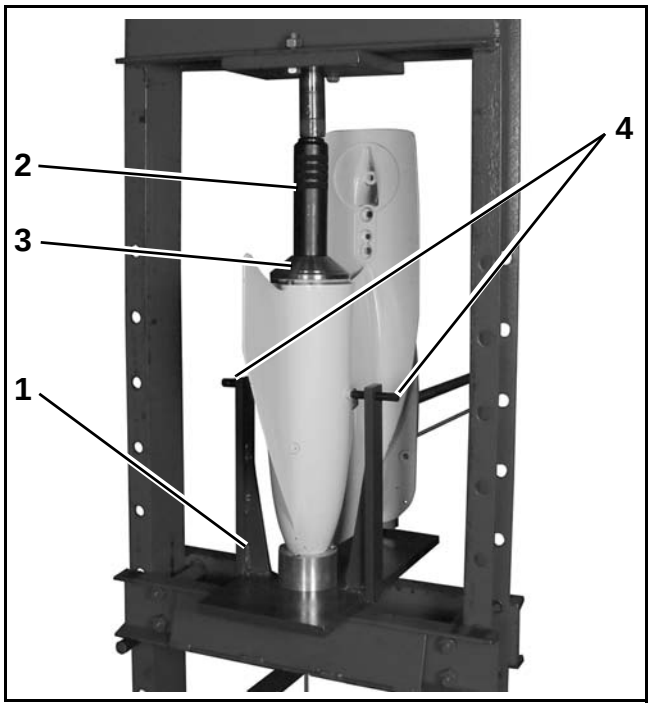
“L2” Gearcase:. Align screw holes with retainer slots in gearcase.

“M2” Gearcase: Align retaining holes in propeller shaft bearing housing with screw holes in

gearcase. Thread Alignment Pins, P/N 354140, into gearcase.

Seat the propeller shaft bearing housing with:
- Gearcase Fixture, P/N 354059
- Installer Handle, P/N 345822
- Propeller Shaft Bearing Housing Installer,
  - P/N 354058, “L2” type, or
  - P/N 354057, “M2” type

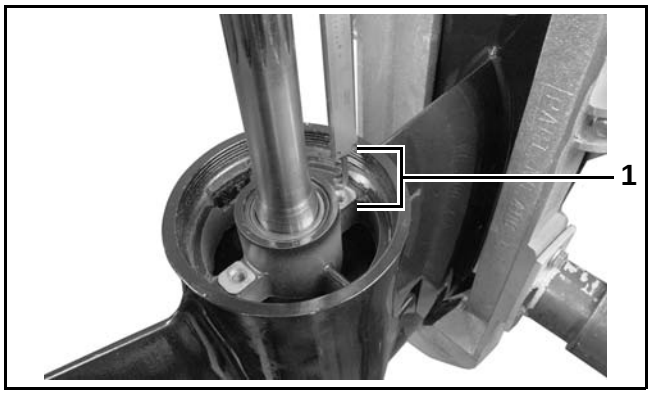
Align and level gearcase assembly in fixture as shown. Secure fixture to floor press. Use an appropriate floor press (10 ton or greater) to seat housing into gearcase.



1. *Gearcase fixture, P/N 354059* 006927
2. *Handle P/N 345822*
3. *Propeller shaft bearing housing installer*
4. *Vertical alignment screws*

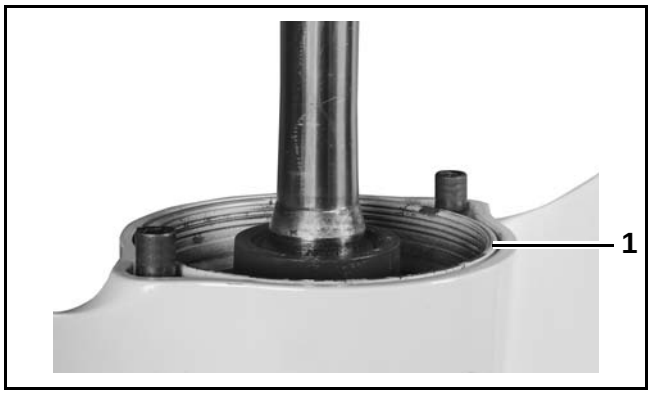
The propeller shaft bearing housing must be completely seated in gearcase.

Check the depth from gearcase housing to retainer tab surface on propeller shaft bearing housing. Depth for an “L2” gearcase is approximately 1 in. (25.4 mm).



“L2” Type Gearcase 006845
1. *1 in. (25.4 mm)*

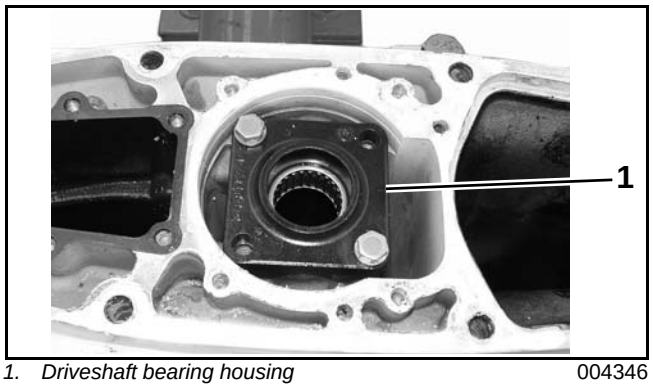
Check the depth from gearcase housing to propeller shaft bearing housing. Depth for an “M2” gearcase is approximately level with gearcase.



“M2” Type Gearcase 006928
1. *Level with gearcase*

All Gearcases

Temporarily install driveshaft bearing housing **without** seals and O-ring into gearcase housing and secure with two (2) screws. Bearing housing must be fully seated in gearcase housing.

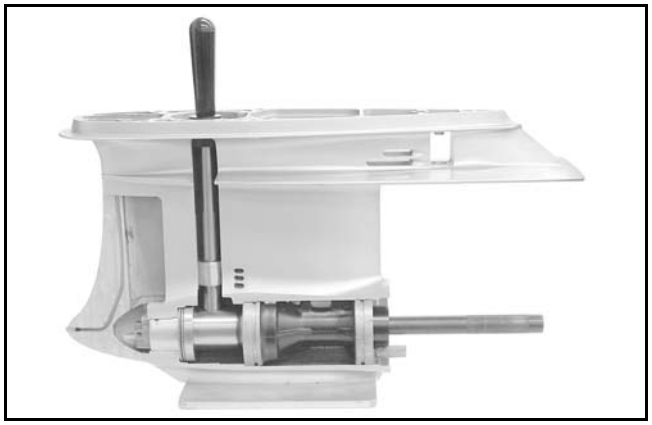


1. Driveshaft bearing housing 004346

Use driver handle to turn gauging head as needed. Position gauging head to allow gauging shaft to slide easily into alignment hole in gauging head.

IMPORTANT: DO NOT force shaft into alignment hole. Shaft MUST slide easily into hole of gauging head. If shaft does not slide into hole, gearcase housing is damaged and **must** be replaced.

1. Gauging shaft 004347



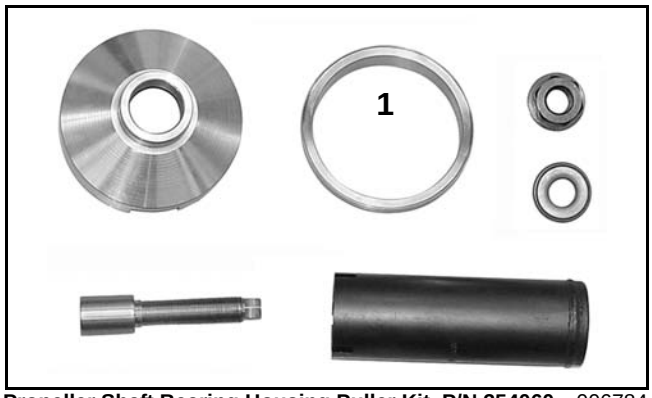
Assembled Cutaway View 004317

Remove gauging shaft from gearcase assembly BEFORE removing the propeller shaft bearing housing from the gearcase.

"L2" and "M2" Type Gearcases

Remove the propeller shaft bearing housing from the gearcase using Propeller Shaft Bearing Housing Puller Kit, P/N 354060.

IMPORTANT: Use the adaptor ring included with the propeller shaft bearing housing puller kit to remove the propeller shaft bearing housing from "L2" type gearcases.

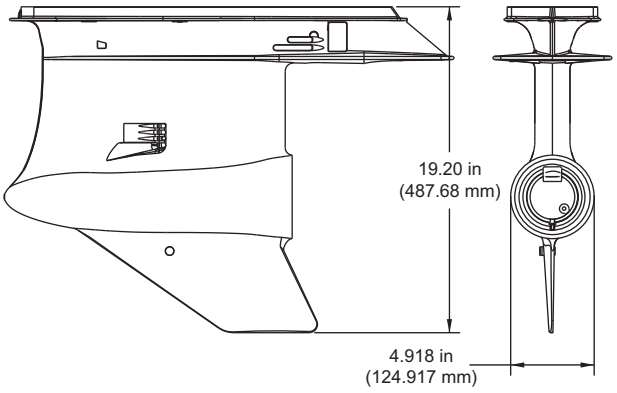


Propeller Shaft Bearing Housing Puller Kit, P/N 354060 006784
1. Adaptor ring, "L2" gearcases

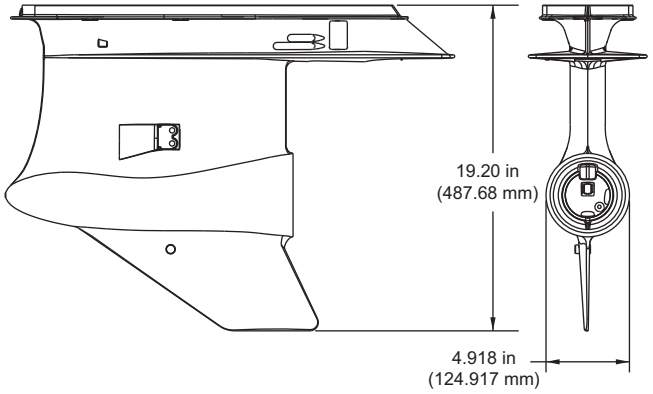
DO NOT use tools designed to push on the propeller shaft. Pushing force against the propeller shaft could damage the forward gear thrust bearing or thrust washer.

GEARCASE IDENTIFICATION

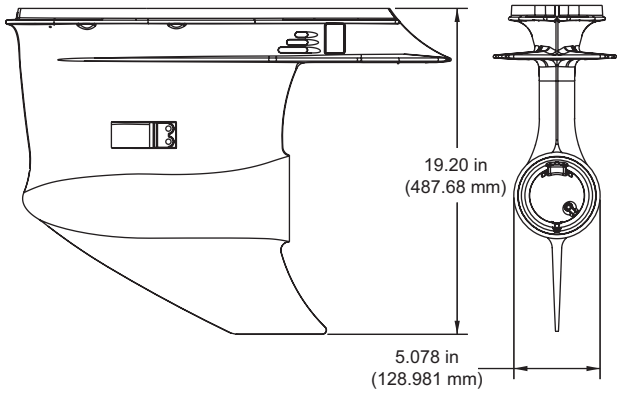
"L" Type



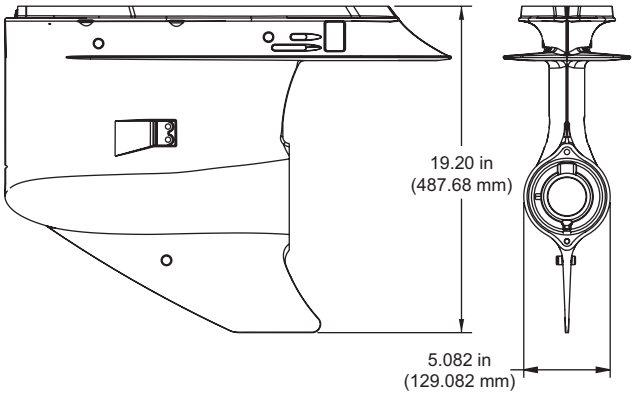
"L2" Type



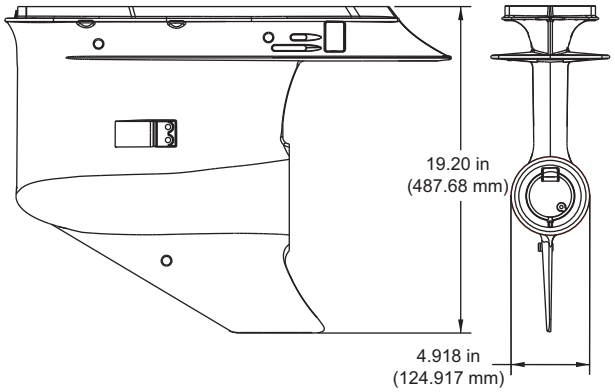
"M" Type



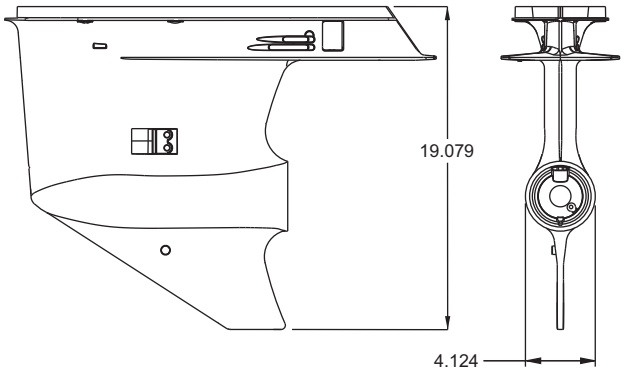
"M2" Type



"O" Type

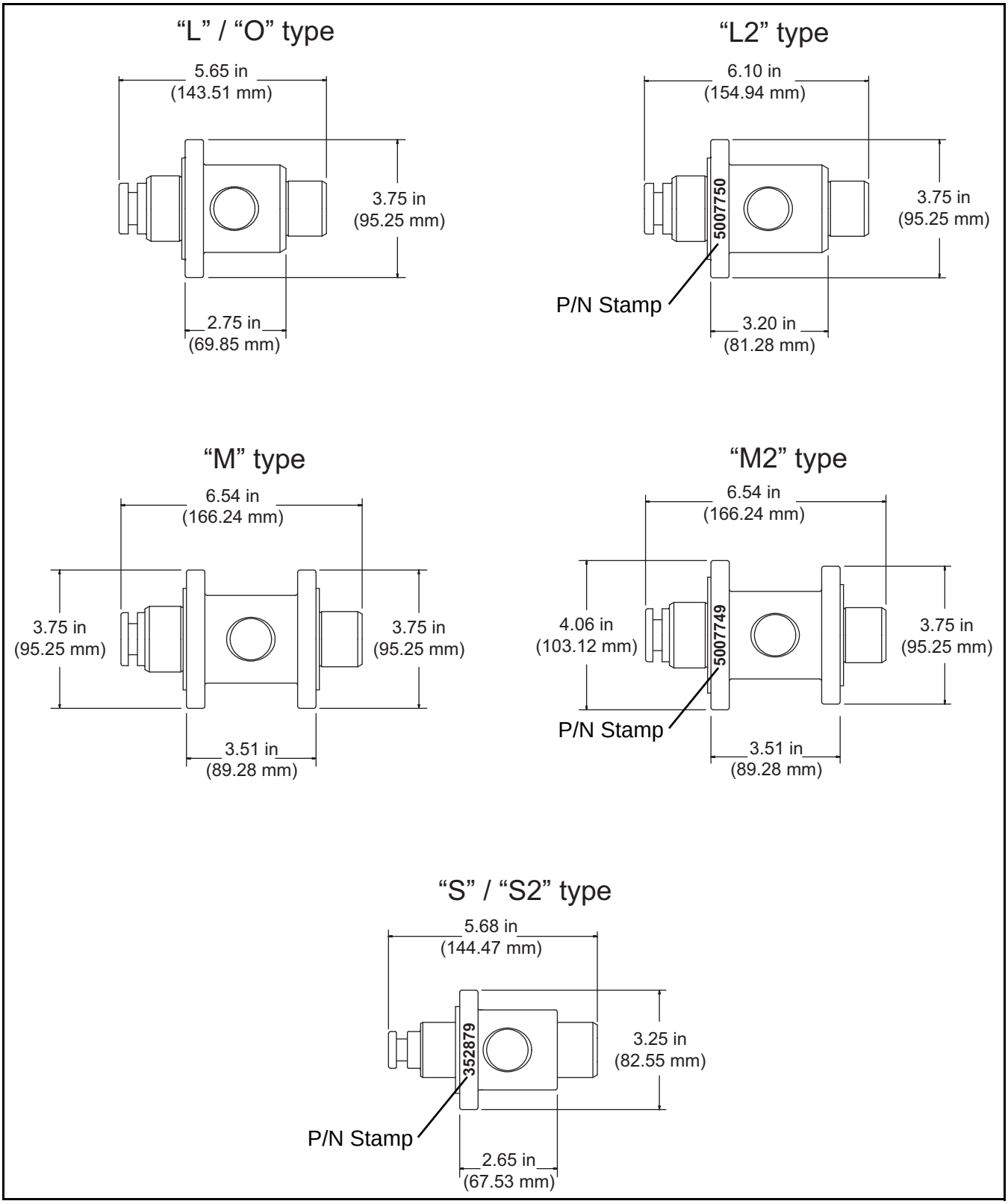


"S" / "S2" Type



008262

GAUGING HEAD IDENTIFICATION



008263

EVINRUDE® E-TEC® | BRP

OUTBOARDS

SERVICE
Bulletin

S

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: May 14, 2010 **No.** 2010-04(S)

MODELS: *Evinrude*® *E-TEC*® 15 – 300 HP outboards

SUBJECT: Warranty Powerhead Identification

Dear *Evinrude/Johnson*® Dealers:

This communication is to assist *Evinrude* and *Johnson* dealers in identifying an outboard that has been serviced with a complete warranty powerhead.

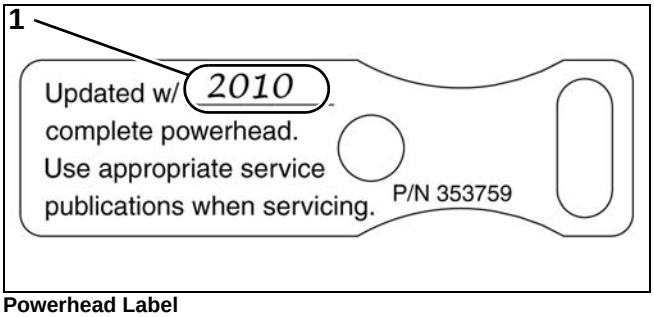
Dealer personnel must accurately identify these powerheads to service these outboards properly.

WARRANTY POWERHEAD IDENTIFICATION

Use the following information to identify outboards serviced with a complete warranty powerhead assembly.

Red Powerhead Label

Starting in model year 2007, a red powerhead label was added to the engine harness. Look for a powerhead label attached to the engine harness next to the diagnostic connector.

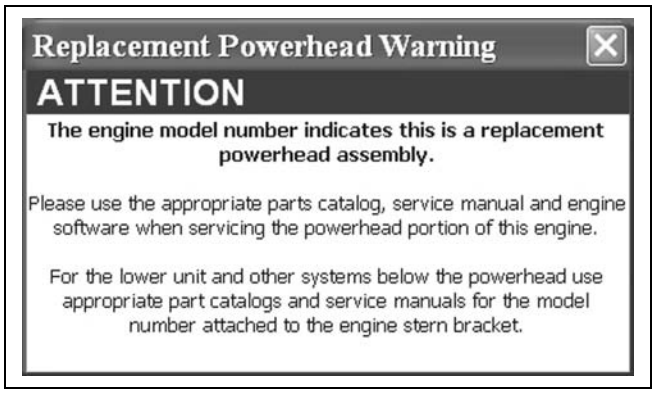


Powerhead Label
1. Model year

If the powerhead label is attached to the engine harness, use the *Evinrude Diagnostics* software "Identity" screen to confirm the model number programmed in the *EMM*. See **"Evinrude Diagnostics Software "Identity" Screen"** on page 1.

Evinrude Diagnostics Software Replacement Powerhead Warning

Evinrude Diagnostics software version 2.6 and higher, features a "Replacement Powerhead Warning" that displays when *Evinrude Diagnostics* software connects to the *EMM*.



If this warning displays, use *Evinrude Diagnostics* software "Identity" screen to confirm the model number programmed in the *EMM*.

Evinrude Diagnostics Software "Identity" Screen

Use the *Evinrude Diagnostics* software "Identity" screen to confirm the model number programmed in the *EMM*.

Starting in model year 2007, complete powerhead assemblies are programmed with the letter "**R**" in the model number prefix.

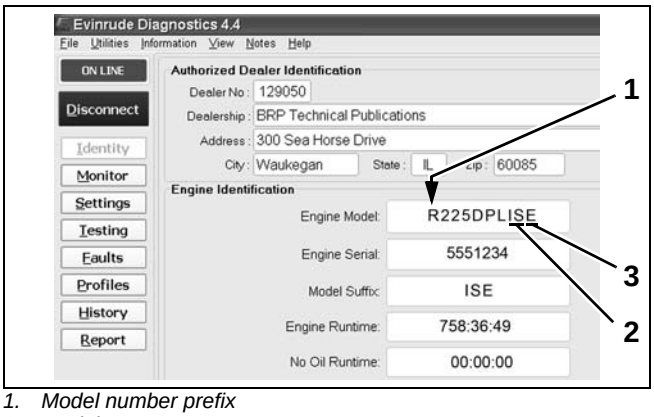
The letter "R" replaces the letter "**E**" in the model number prefix and identifies the powerhead as a Replacement complete powerhead assembly.

This document can be viewed on the DealerPort™ website at www.dealerport.com

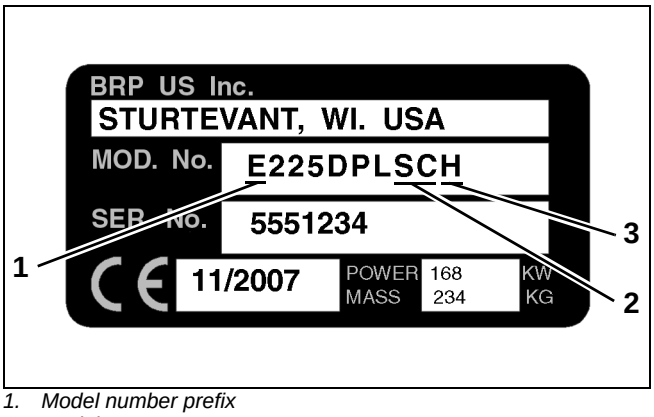
Use the “INTRODUCES” acronym to identify the model year.

I	N	T	R	O	D	U	C	E	S
1	2	3	4	5	6	7	8	9	0
IS = 2010									

Compare the model number programmed in the *EMM* to the model number on the model/serial number tag located on the outboard swivel bracket.



1. *Model number prefix*
2. *Model year*
3. *Model suffix*



1. *Model number prefix*
2. *Model year*
3. *Model suffix*

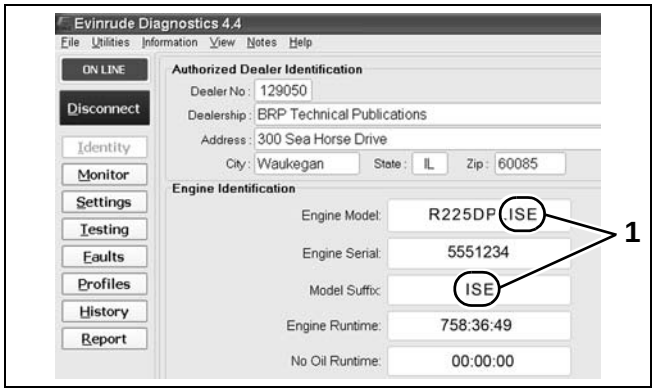
Use service and parts literature for the model number and model suffix programmed in the *EMM* to service all powerhead, electrical, fuel and oil components.

Use service and parts literature for the model number and model suffix listed on the model/serial number tag located on the swivel bracket to service the midsection, exhaust housing and gearcase of the outboard.

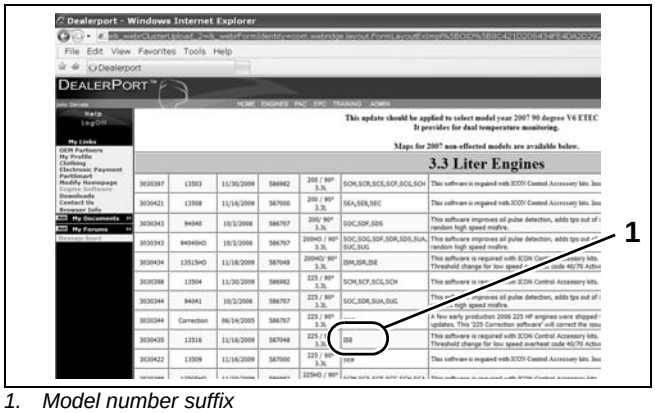
Engine Management Software

For future software updates use the model number suffix programmed in the *EMM* of the complete powerhead.

Download the engine management software from *DealerPort* for that model number suffix.



1. *Model number suffix*



1. *Model number suffix*

EVINRUDE® E-TEC®

BRP

OUTBOARDS

SERVICE
Bulletin

S

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: July 22, 2010 **No.** 2010-05(S)

MODELS: *Evinrude® E-TEC®* 150 – 200 HP 60°V6 Outboards

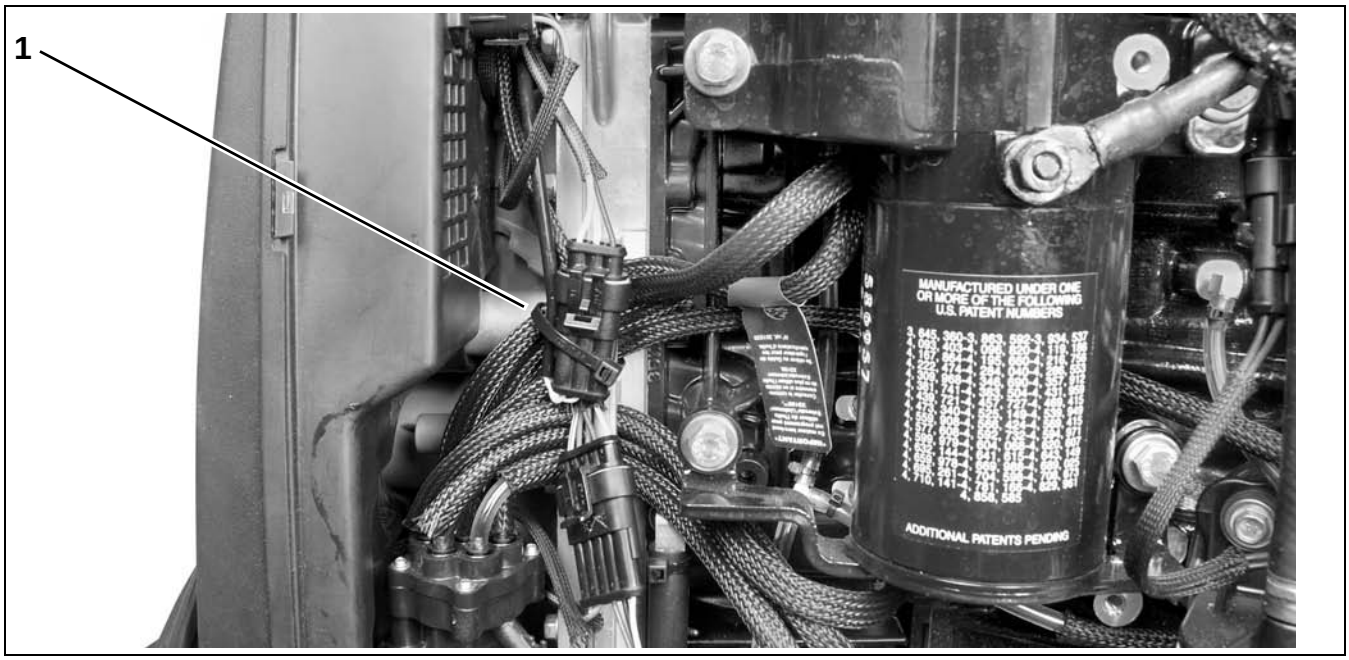
SUBJECT: Oil Distribution Hose Routing

Dear *Evinrude/Johnson®* Dealers:

This communication is to advise against pinching oil distribution hoses with the air silencer on 60° V6 models .

To prevent pinching oil distribution hoses with the air silencer, carefully position the tie strap securing the Crankshaft Position Sensor (CPS) connector and the oil hoses.

If needed, install a new tie strap, P/N 320107, to LOOSELY bundle oil distribution hoses and CPS connector. Position oil distribution hoses toward powerhead as shown.



1. Tie strap, P/N 320107

008225

NOTICE **After installing air silencer, make sure oil hoses move freely and are not pinched.**

355748

EVINRUDE® E-TEC®

OUTBOARDS

SERVICE
Bulletin

S

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: July 23, 2010 **No.** 2010-06(S)

MODELS: All **SUBJECT:** Operation in Oil Contaminated Water

Dear *Evinrude*®/*Johnson* ® Dealers,

BRP has developed recommendations for our outboard products operating in oil contaminated water. Oil, oil dispersants, and water may react differently based on saltwater, brackish or fresh water use. The exact effects of oil in the water may vary. Components damaged by prolonged exposure to crude oil may be extensive if ignored.

Evinrude and *Johnson* outboards may experience one or several of the following effects listed below.

Cooling system components:
- Cooling passages may be blocked by oil sludge
- Small cooling passages may not allow proper water flow
- Thermostats and pressure valve assembly may be restricted or blocked
- Overboard discharges and cooling hoses may become blocked
- Reduced water pump performance may occur
- Water pumps may be damaged
- Crankcase passages may become coated with residue and cooling system efficiency may be affected. Heat transfer can be affected
- Hoses and other rubber based components may swell from “oil” exposure and reduce or block water flow.

Rubber and plastic based components:
- Water pump impellers may absorb oil and swell
- Bonded rubber materials may come apart
- Plastic and rubber propeller hubs may be affected
- Hoses, engine mounts, and rubber and plastic based components may swell, lose rigidity and strength, and experience failure.

Corrosion damage or cosmetic damage to various components may occur. Clean and inspect all outboard anodes, engine covers and painted surfaces frequently. Anodes which are uncleanable must be replaced immediately.

BRP recommends users not operate *Evinrude* and *Johnson* outboards in oil contaminated waters for extended periods of time. If an outboard vessel is operated in oil contaminated water, flush the outboard with hot water for 15 minutes immediately after use. Frequently inspect all rubber and plastic components on exposed outboards. Promptly replace all components which show signs of swelling and damage. Outboards subjected to this type of use may experience cooling system failures which may result in engine damage. The outboard’s overheat warning system may activate indicating a cooling system malfunction. Failures of this nature may be identified as misuse in the outboard’s warranty statement.

EVINRUDE E-TEC | BRP

OUTBOARDS

SERVICE
Bulletin

S

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: July 28, 2010 **No.** 2010-07(S)

MODELS: All *Evinrude*® E-*TEC*® 15–300 HP outboards, 1999–2001 *Evinrude* Ficht 75–250 HP outboards, and 2002–2006 *Evinrude* DI 75–250 HP outboards

SUBJECT: Injector Coefficient Database

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of a change to the procedure of obtaining injector coefficient files.

Dealers can now download the coefficient files for new service fuel injectors from a database available on the internet.

SERVICE FUEL INJECTOR KITS

A change will be made to the following service fuel injector kits. This change:

- Removes the disk containing the coefficient files from the service fuel injector kits.
- Adds a “Checksum” (CS) number to the injector serial number label.

A service fuel injector MUST have a serial number and a checksum number on the serial number label to download coefficient files from the internet.

Coefficient files are NOT available on the internet for fuel injector kits that include a coefficient disk.

For assistance with coefficient file disks in the U.S. and Canada call 1-800-888-4662.

Dealers outside of North America should contact their regional office.

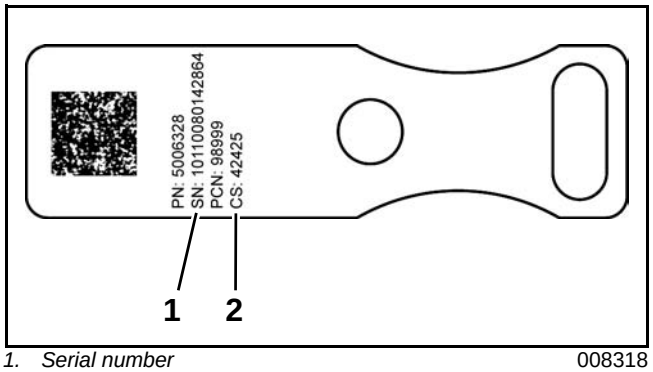
***Evinrude E-TEC* Models**		
Kit P/N	**Year**	**HP/Models**
5007894	2009 & newer	15 – 30 HP Inline
5006220	2004 – 2007	40 – 90 HP Inline
5007147	2008 & newer	40 – 90 HP Inline (Includes 55 MFE)
5007042	2007	115 – 200 HP 60° V4/V6 (C, R, Suffix)
5007043		
5007179	2007	150 – 200 HP 60° V6 (F Suffix)
5007180		
5007764	2008 & newer	115 – 200 HP 60° V4/V6
5007765		
5006221	2005 – 2007	200 – 250 HP 90° V6 (3.3 L)
5006222		
5007764	2008 & newer	200 – 300 HP 90° V6 (3.3 L and 3.4 L)
5007765		

***Evinrude* DI Models**		
Kit P/N	**Year**	**HP/Models**
5004478	1999	90–115 HP 60° V4 (C, N Suffix)
		150–175 HP 60° V6 (A, C, N Suffix)
5004479	1999 – 2000	150–175 HP 60° V6 (O, V Suffix)
5005195	2000 – 2006	75–175 HP 60° V4/V6
5004475	1999	200 – 225 HP 90° V6 (N, O Suffix)
5004476		
5004443	2000	200 – 250 HP 90° V6
5004444		
5005196	2001 – 2005	200 – 250 HP 90° V6
5005197		

PROCEDURE

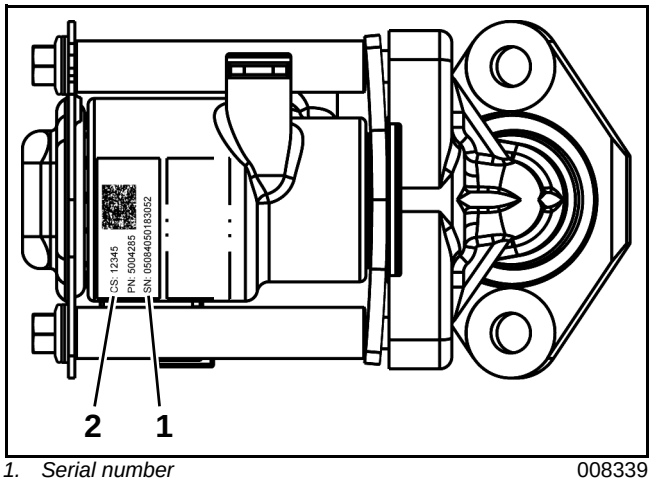
Injector Information

***Evinrude E-TEC* Models:** Refer to the serial number label attached to the fuel injector electrical connector.



1. Serial number 008318
2. Checksum number

***Evinrude* DI Models:** Refer to the serial number label etched on the fuel injector housing.



1. Serial number 008339
2. Checksum number

ACCURATELY record the 14-digit Serial Number (SN) and the 5-digit Checksum (CS) number from the injector serial number label.

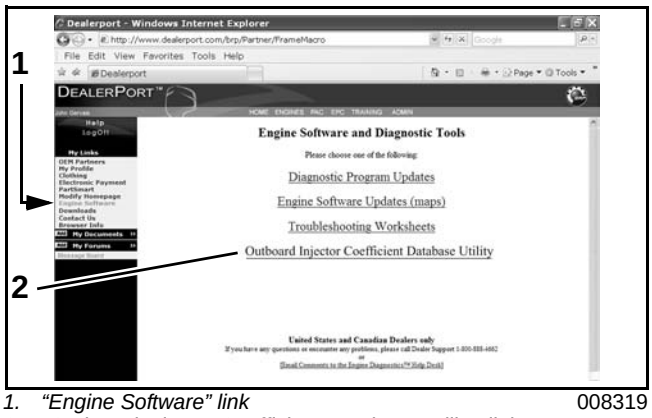
Record Injector Serial Number Below:													
Record Injector Checksum:													

IMPORTANT: Mistakes recording the serial number or checksum can result in downloading the incorrect coefficient file.

Download Coefficient Files

DealerPort Users

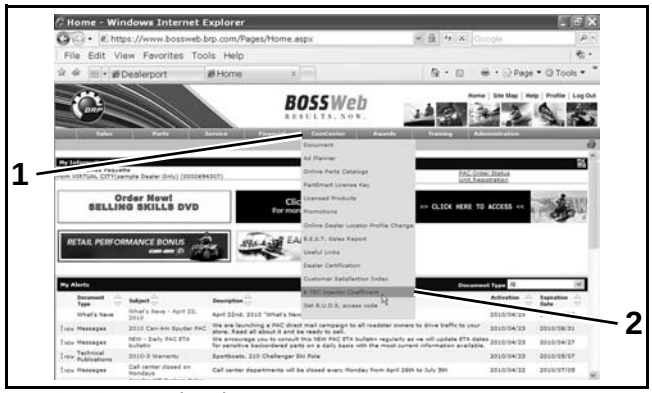
Log onto *DealerPort*. Select the “Engine Software” link.
Select the “Outboard Injector Coefficient Database Utility” link.



1. “Engine Software” link 008319
2. “Outboard Injector Coefficient Database Utility” link

BossWeb Users

Log onto *BossWeb*. Select the “ComCenter” dropdown menu.
Select the “E-TEC Injector Coefficient” link.



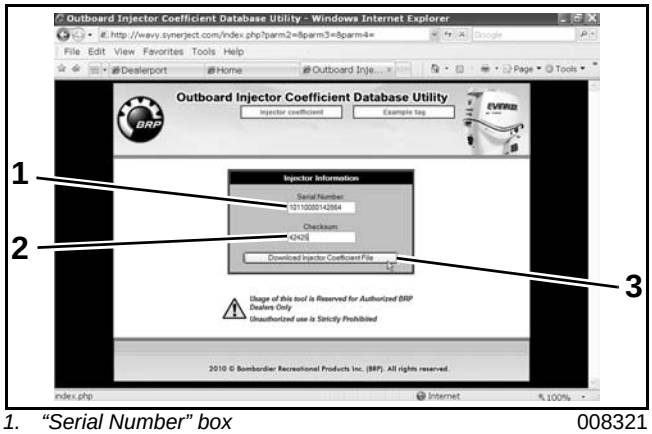
1. “ComCenter” dropdown menu 008320
2. “E-TEC Injector Coefficient” link

All Users

1) Enter the fuel injector 14-digit serial number in the “Serial Number” box.

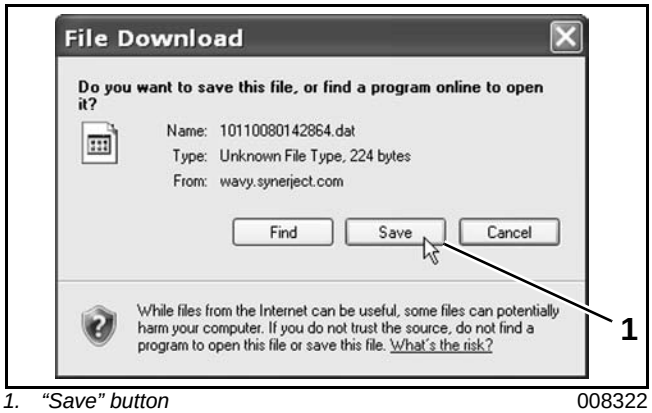
2) Enter the fuel injector 5-digit checksum number in the “Checksum” box.

3) Select the “Download Injector Coefficient File” button.



1. *“Serial Number” box* 008321
2. *“Checksum” box*
3. *“Download Injector Coefficient File” button*

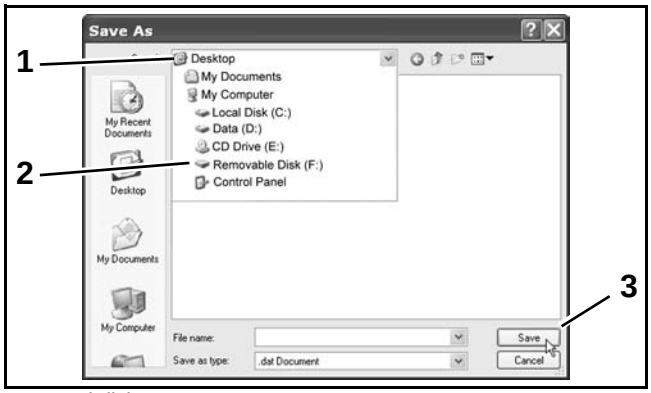
4) When the “File Download” box appears, select the “Save” button.



1. *“Save” button* 008322

5) Save the file to a known location on the computer. A removable storage device may be used to transfer coefficient files to a service laptop if it is not internet capable.

6) Select the “Save” button to save the file to this location.



1. *Local disk* 008323
2. *Removable disk*
3. *“Save” button*

Repeat steps 1 through 6 to download multiple coefficient files.

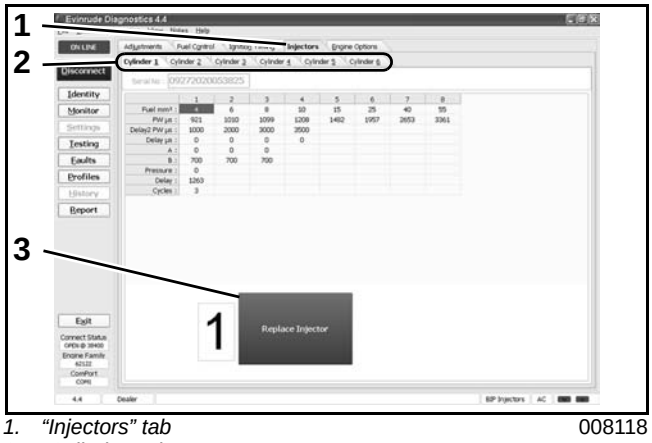
NOTICE **All injectors must be installed in the correct cylinder by serial number. Improper injector installation can result in powerhead failure.**

Upload Coefficient Files to *EMM*

Use the *Evinrude Diagnostics* software “Settings” screen to upload the coefficient file(s) to the *EMM*. Select the “Injectors” tab.

Select the cylinder tab for injector being replaced.

Select the “Replace Injector” button.



1. *“Injectors” tab* 008118
2. *“Cylinder” tabs*
3. *“Replace Injector” button*

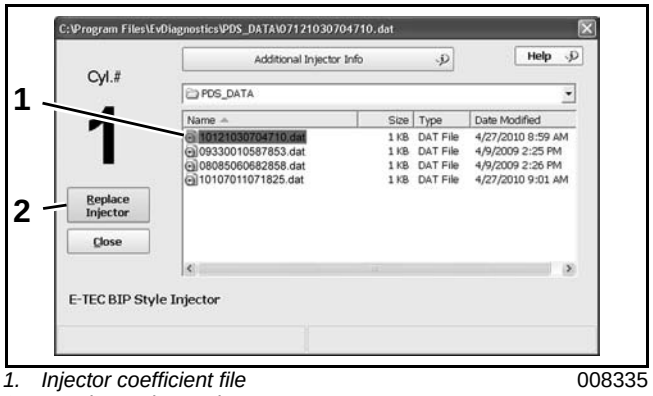
Use the drop down menu to navigate to the saved coefficient file location.

1. Drop down menu 008334

The coefficient file name matches the serial number of the service fuel injector.

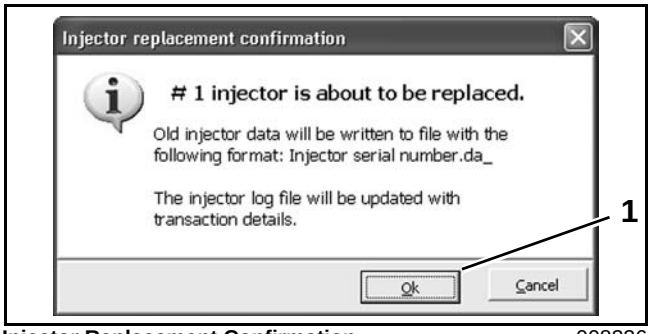
Select the correct file for the service fuel injector.

Select the “Replace Injector” button to start the upload process.



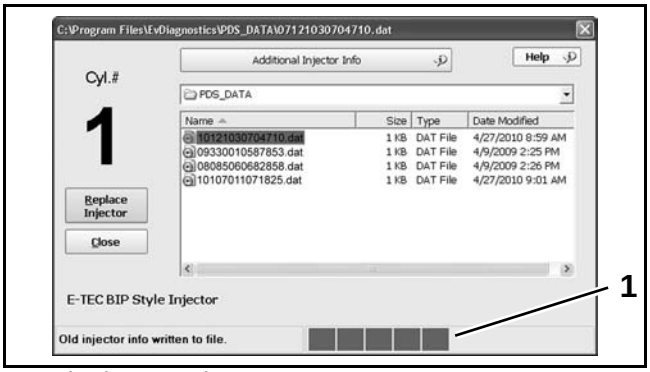
1. Injector coefficient file 008335
2. “Replace Injector” button

An injector replacement confirmation will appear. Select the “Ok” button to confirm injector replacement.



Injector Replacement Confirmation 008336
1. “Ok” button

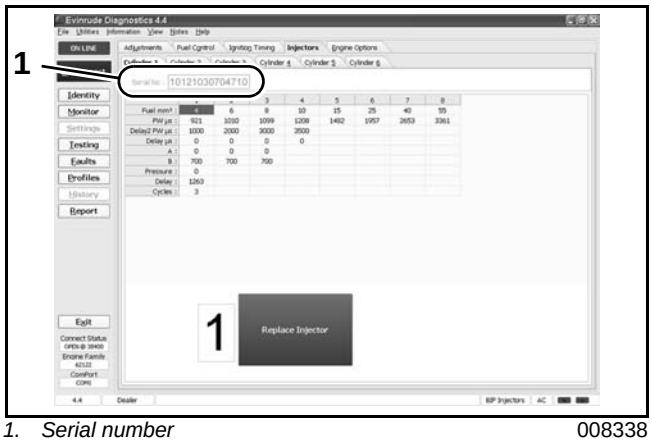
An upload progress bar displays at the bottom of the window.



1. Upload progress bar 008337

After the upload is complete, the program will return to the “Cylinder” tab.

Confirm the serial number displayed on the cylinder tab matches the serial number printed on the serial number label of the service fuel injector.



1. Serial number 008338

EVINRUDE® E-TEC®

BRP

OUTBOARDS

SERVICE
Bulletin

S

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: August 2, 2010 **No.** 2010-08(S)

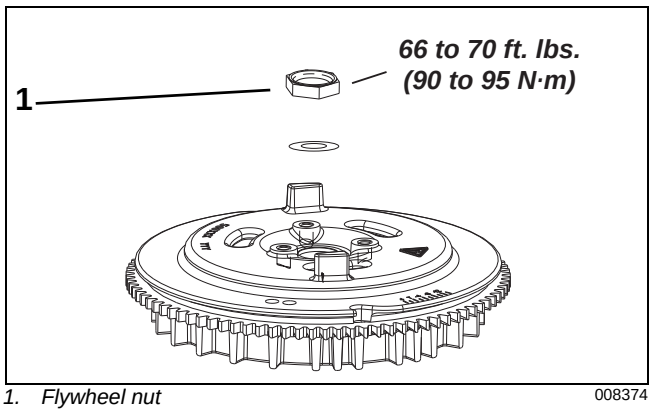
MODELS: *Evinrude*® E-*TEC*® 15 – 30 HP outboards

SUBJECT: Torque Change for Flywheel Nut

Dear *Evinrude*/*Johnson* ® Dealers:

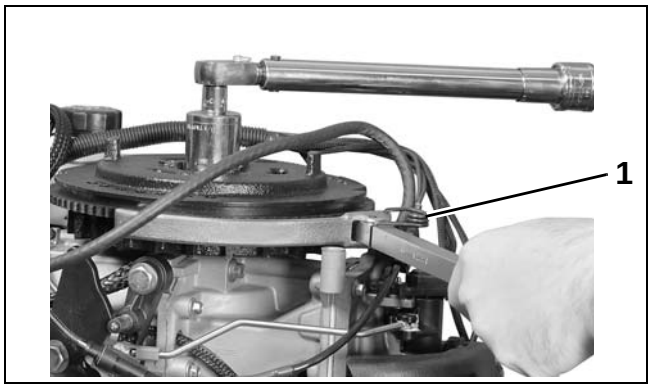
This communication is to inform *Evinrude*/*Johnson* dealers of a change in torque for the flywheel nut on 2009 and 2010 *Evinrude E-TEC* 15 – 30 HP outboards.

When servicing flywheels on 2009 and 2010 *Evinrude E-TEC* 15 – 30 HP outboards, torque the flywheel nut to 66 to 70 ft. lbs (90 to 95 N·m).



1. Flywheel nut 008374

IMPORTANT: Torque the flywheel using the correct flywheel holder. To prevent damage to the crankcase or the cylinder block, DO NOT allow the flywheel holder to rest against the mounting boss for the recoil starter.



1. Flywheel holder 007361

Please make note of this change and correct the torque values listed in the 2009 and 2010 *Evinrude E-TEC* 15 – 30 HP service manuals as follows:

2009 “SE” *Evinrude E-TEC* 25-30 HP Service Manual, P/N 5007802 (English)

- Correct torque to 66 to 70 ft. lbs (90 to 95 N·m) on the diagram on page 112 and correct torque to 66 to 70 ft. lbs (90 to 95 N·m) in the procedure text on page 135.

2010 “IS” *Evinrude E-TEC* 15-30 HP Service Manual, P/N 5008146 (English)

- Correct torque to 66 to 70 ft. lbs (90 to 95 N·m) on the diagram on page 120 and correct torque to 66 to 70 ft. lbs (90 to 95 N·m) in the procedure text on page 143.

2010 “IS” *Evinrude E-TEC* 15-30 HP Service Manual, P/N 5008147 (French)

- Correct torque to 66 to 70 ft. lbs (90 to 95 N·m) on the diagram on page 120 and correct torque to 66 to 70 ft. lbs (90 to 95 N·m) in the procedure text on page 143.

Printed in the United states

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OUTBOARDS

SERVICE

Bulletin

S

Suggested Routing:

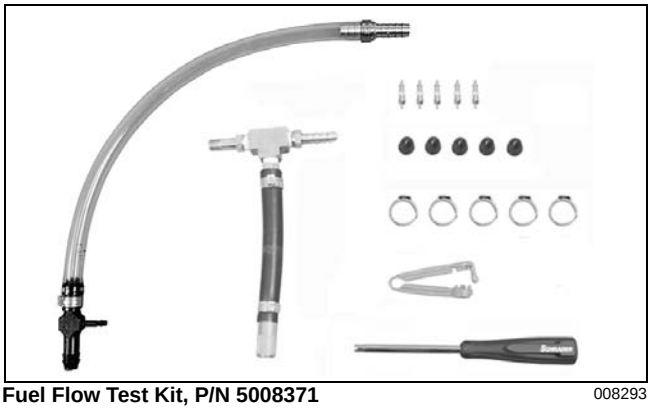
☐ Service ☐ Sales ☐ Parts

Date: September 27, 2010 **No.** 2010-09(S)

MODELS: All **SUBJECT:** New Service Tools - 2011 Model Year

New service tools have been developed to support *Evinrude®/Johnson®* outboards.

5008371 Fuel Flow Test Kit: Used to check a boat's fuel system for fuel flow restrictions and air leaks without having to start the outboard or run the vessel through the water. Developed for *Evinrude E-TEC* 60°V and 90°V 115 – 300 HP outboards.

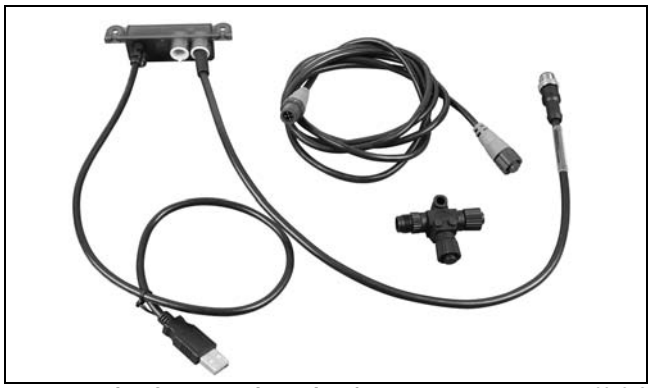


Fuel Flow Test Kit, P/N 5008371 008293

Refer to the instruction sheet, P/N 355551, included with the kit for additional service information.

This new tool will be shipped automatically as part of the essential tool program for North American (U.S. and Canada); and Australian and New Zealand dealers. All other dealers should contact their regional distributor to verify if these tools will be automatically shipped in their region

765357 *I-Command™* Software Update Kit: Used to update software in *I-Command* gauges. Refer to P&A Bulletin No. 2010-01(P) for update details. Requires *Windows* based computer (PC) and online access (DealerPort/BossWeb). Use this tool to update *I-Command* software.



***I-Command* Software Update Kit, P/N 765357** 007942

Refer to instruction sheet, P/N 355155, included with *I-Command* Software Update Kit, P/N 765357, and the software help files for additional service information.

This new tool will be shipped automatically as part of the essential tool program for North American "full line" and "service only" dealers (U.S. and Canada); and Australian and New Zealand dealers. All other dealers should contact their regional distributor to verify if these tools will be automatically shipped in their region.

Dealers can order these tools (or additional quantities of these tools) from their BRP P&A distributor.

355875

EVINRUDE® E-TEC®

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OUTBOARDS

SERVICE
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S

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: October 15, 2010 **No.** 2010-10(S)

MODELS: *Evinrude*® E-*TEC*® 40 – 90 HP outboards

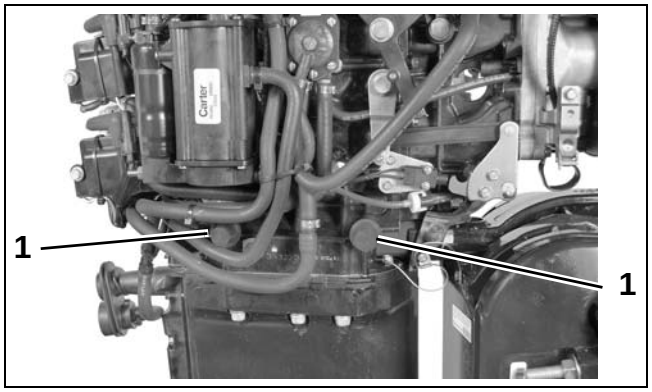
SUBJECT: Installing Replacement Lower Engine Covers

Dear *Evinrude*/*Johnson* ® Dealers:

This communication is to inform *Evinrude*/*Johnson* dealers of an additional procedure required when installing replacement lower engine covers on *Evinrude E-TEC* 40 – 90 HP outboards. Follow this procedure before installing replacement lower engine covers.

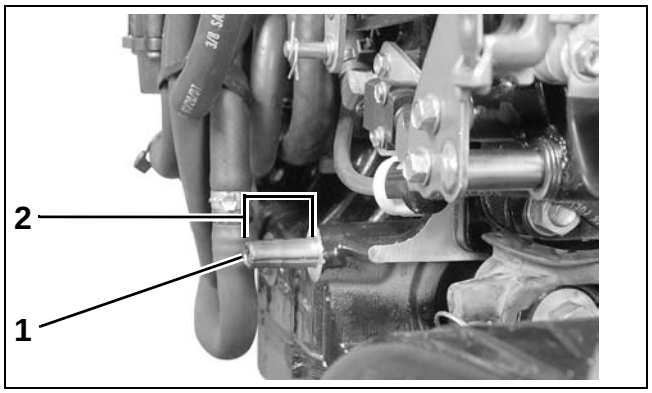
Refer to "**LOWER COVER SERVICE**" in the appropriate service manual for removal and installation procedures.

Remove lower cover mounts.



1. Lower cover mounts 008386

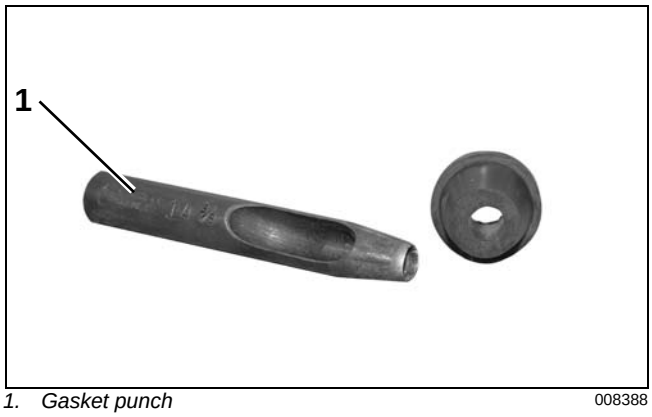
Measure the length of four lower cover mount pins. Pin length must be 0.75 to 1.0 in (19 to 25 mm).



1. Lower cover mount pin 008387
2. 0.75 to 1.0 in (19 to 25 mm)

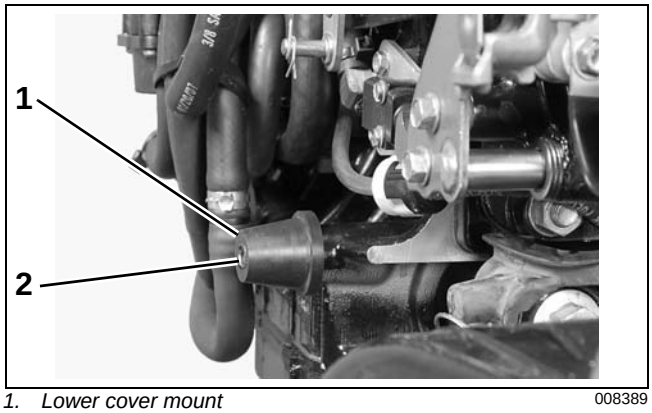
NOTICE **To prevent damage to lower engine covers, modify lower cover mount as shown if any lower cover mount pin is longer than 1 inch (25 mm).**

Use a gasket punch to cut a 3/8 in (10 mm) hole in the end of lower cover mount.



1. Gasket punch 008388

Install the lower cover mount on the lower cover mount pin. The pin may extend slightly from the end of the mount.



1. Lower cover mount 008389
2. Lower cover mount pin

Install the lower engine covers.

Please route to:

Init.

- ☐ Service ☐
- ☐ Sales ☐
- ☐ Parts ☐

EVINRUDE Johnson BRP

SAFETY CAMPAIGN

OUTBOARDS

WARRANTY Bulletin

⚠WARNING: All involved customers must be notified, all involved units must be corrected as per instructions herein.

Date: February, 2006

No. 2006-01(W)

MODELS: 40–90 HP *Evinrude® E-TEC™*

SUBJECT: Shift Cable Replacement on *Evinrude E-TEC* Tiller Handle Kits

Dear *Evinrude/Johnson®* Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of a **required** shift cable replacement on *Evinrude E-TEC* tiller handle kits.

AFFECTED KITS AND OUTBOARDS

ALL affected tiller handle kits and ALL *Evinrude E-TEC* 40, 50, 60, 65 (Jet), 75, and 90 HP outboards equipped with affected tiller handle kits must have the shift cable replaced to ensure safe operation.

AFFECTED TILLER HANDLE KITS		
Kit P/N	***Evinrude E-TEC* Models**	**Color**
5006552	40, 50, 60 HP	Blue
5007118		
5006188	65 (Jet), 75, 90 HP	Blue
5007116		

ONLY tiller handle kit P/Ns listed above are affected.

All kits shipped after February 1, 2006 have been corrected, and do not require inspection or shift cable replacement.

IMPORTANT: DO NOT sell, deliver, or use any affected tiller handle kits or tiller-installed outboards that you have in stock until shift cable replacement has been completed.

PROBLEM

The shift cable may break away from the shift cable sleeve. The shift handle may not function, which could potentially cause the outboard to stick in gear or in neutral.

⚠ WARNING ⚠

A loss of boat control or diminished boat control could cause a risk of personal injury to the operator, passengers, and people who are nearby.

CUSTOMERS

North America: BRP US Inc. will send a letter to all known registered owners instructing him or her to return their outboard to an authorized *Evinrude* or *Johnson* dealer to complete the shift cable replacement. This is a safety issue.

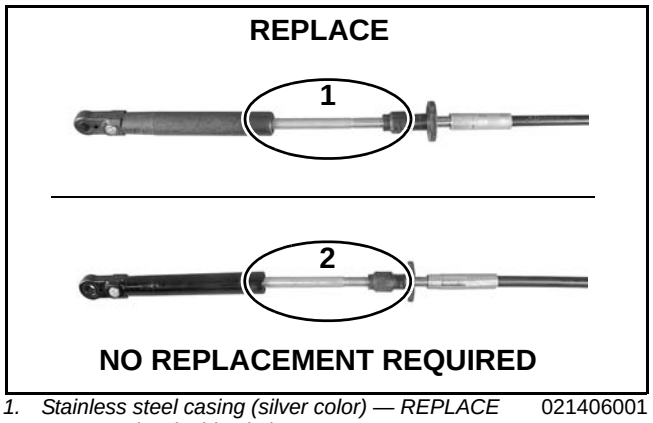
Outside North America: BRP US Inc. will contact the distributor. Distributors must contact the customer. This is a safety issue.

IMPORTANT: The repair procedure outlined in this bulletin MUST be performed by an authorized *Evinrude/Johnson* Dealer and *Evinrude/Johnson* Certified Technician.

3 5 3 0 2 7

INSPECTION

All shift cables with a stainless steel casing require replacement. Replacement shift cables can be identified by a brass casing. If the shift cable has a brass casing, no replacement is required.



1. Stainless steel casing (silver color) — REPLACE 021406001
2. Brass casing (gold color)

ORDERING PARTS

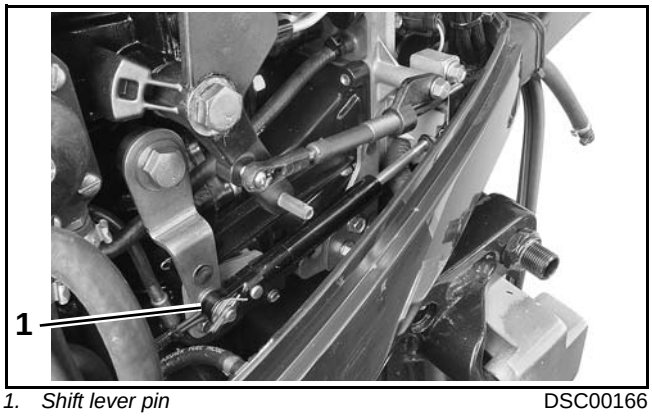
Order the required parts from *Evinrude/Johnson Parts and Accessories*, and follow the installation procedure.

Part Needed	P/N	QTY
Shift Cable	5006160	1
Cotter Pin	303049	1
Tie Strap *(for grommet when kit is installed)*	500081	1

PROCEDURE

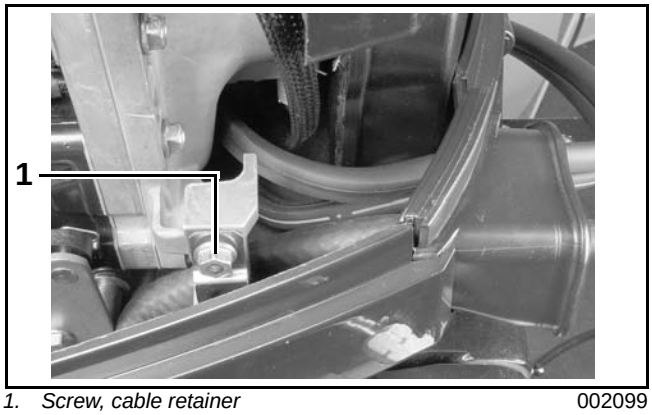
Removal

Remove shift cable retainer clip and washer. Remove shift cable casing guide from shift lever pin.



1. Shift lever pin DSC00166

Remove screw and cable retainer from anchor block.

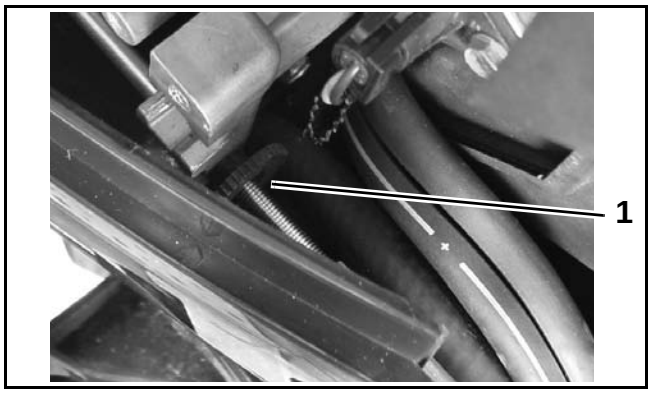


1. Screw, cable retainer 002099

Cut tie strap on lower engine cover grommet, and remove grommet. Remove protective sleeve from tiller handle cables.

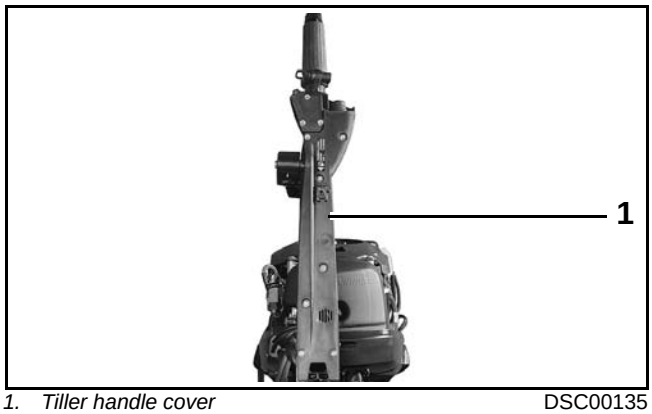
1. Grommet DSC00135
2. Sleeve

Remove shift cable from lower anchor pocket and remove shift cable from engine cover.



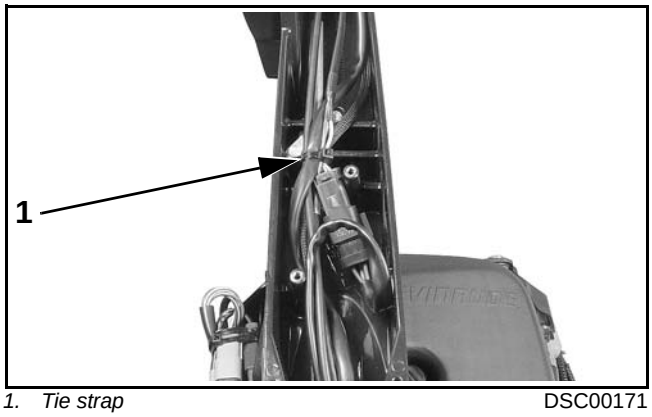
1. Cable trunnion DSC00007

Remove tiller handle cover.



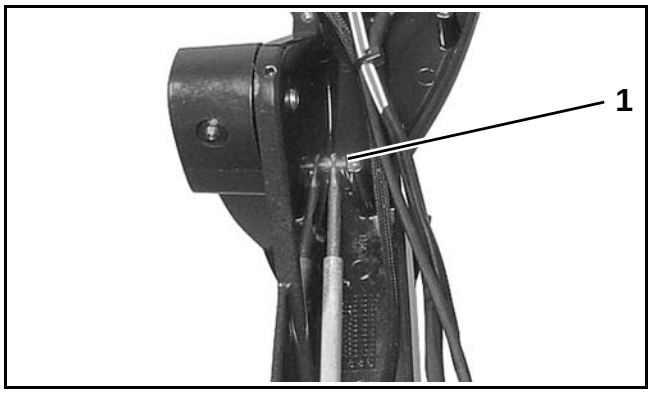
1. Tiller handle cover DSC00135

Remove tie strap.



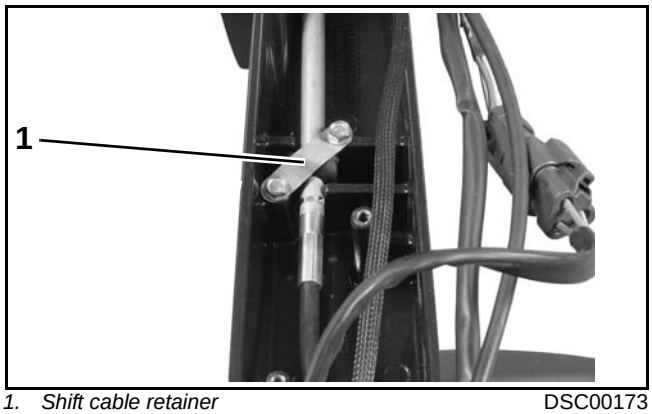
1. Tie strap DSC00171

Remove cotter pin from shift handle pin and discard. Remove shift cable from shift handle pin.



1. Shift handle pin DSC00009

Remove shift cable retainer.

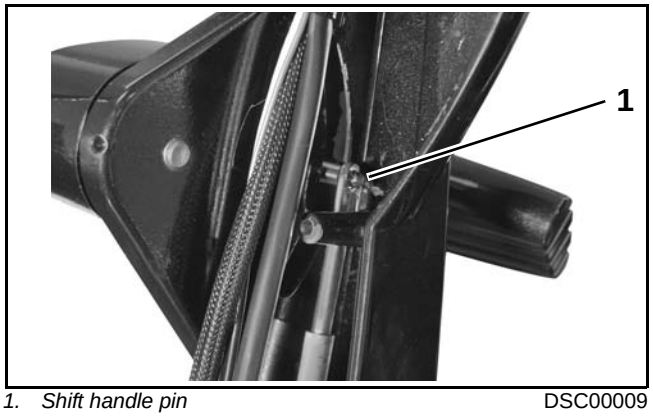


1. Shift cable retainer DSC00173

Remove shift cable from tiller handle housing.

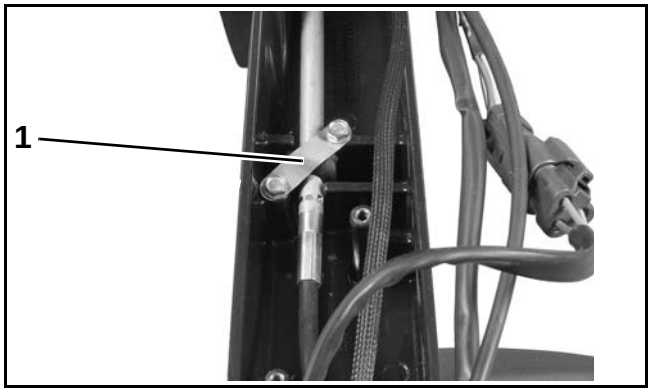
Installation

Install shift cable on shift lever pin. Install **new** cotter pin in shift lever pin.



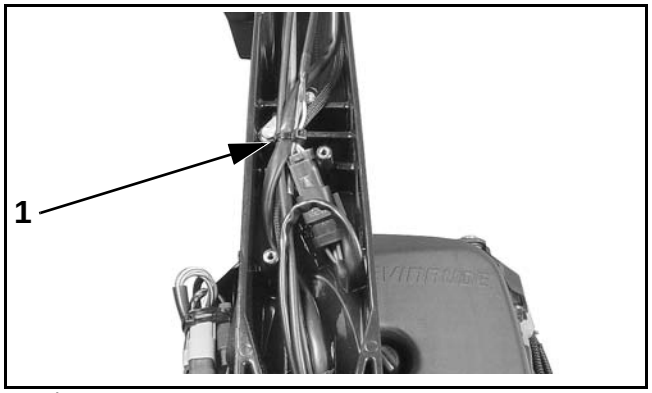
1. Shift handle pin DSC00009

Position shift cable trunnion block in tiller handle housing and install shift cable retainer.



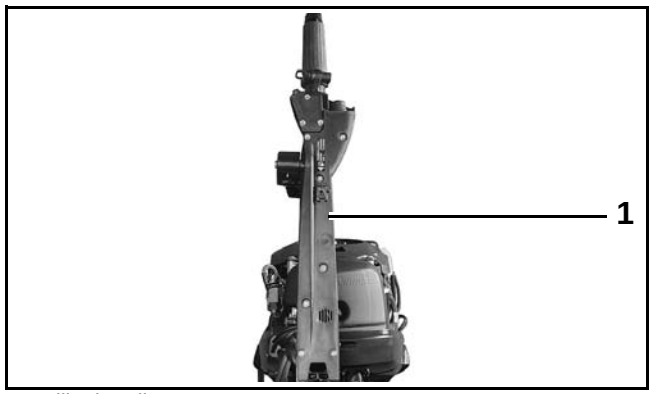
1. Shift cable retainer DSC00173

Install new tie strap.



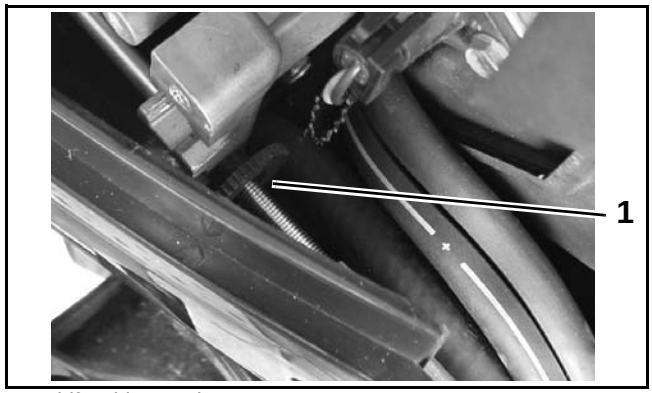
1. Tie strap DSC00171

Install tiller handle cover.



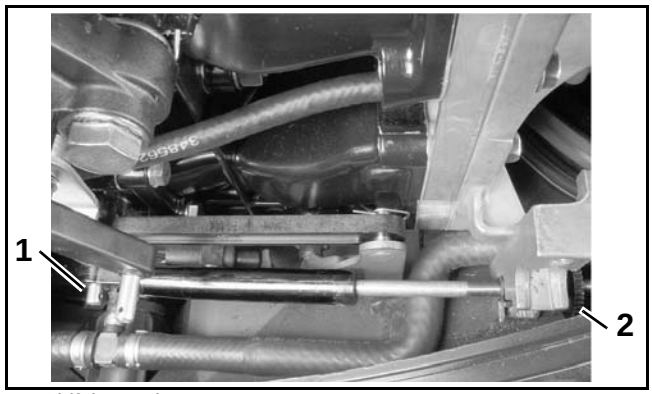
1. Tiller handle cover DSC00135

Insert shift cable through grommet opening of lower engine cover. Position shift cable trunnion in lower anchor pocket.



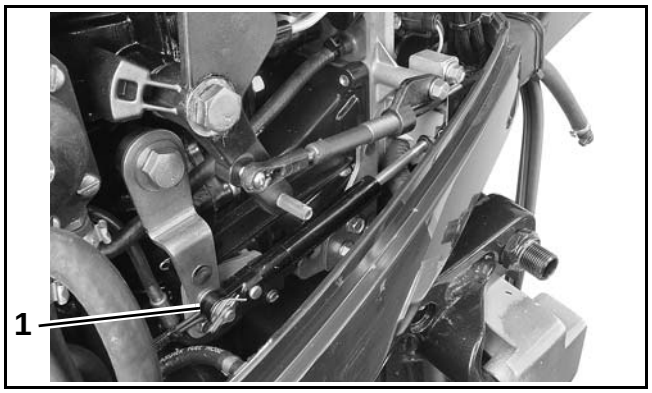
1. Shift cable trunnion DSC00007

Pull firmly on shift cable casing to remove backlash. With outboard and tiller handle shift lever in NEUTRAL, and trunnion nut in lower anchor pocket, adjust the trunnion nut so the casing fits onto the shift lever pin.



1. Shift lever pin 002100
2. Trunnion nut

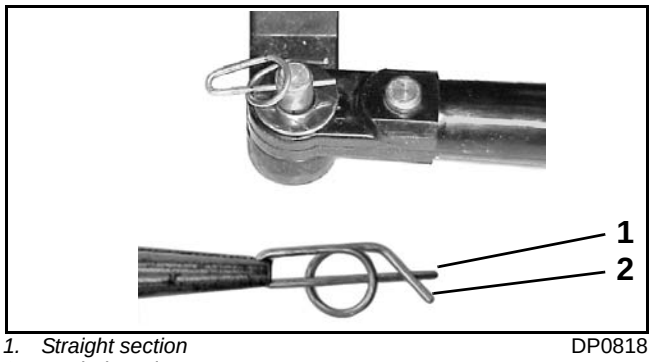
Install shift cable, washer and retainer clip on shift lever pin.



1. Shift lever pin DSC00166

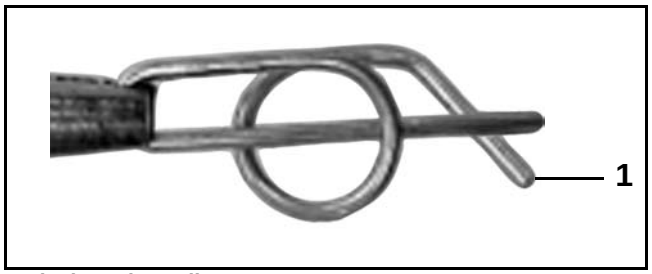
For proper installation of shift cable, review the following steps:

- Place washer on pin.
- Position retainer clip with straight section on the bottom and angled section on the top.
- Use long noses pliers to position retainer clip on pin.
- Insert straight section of clip into linkage pin hole.



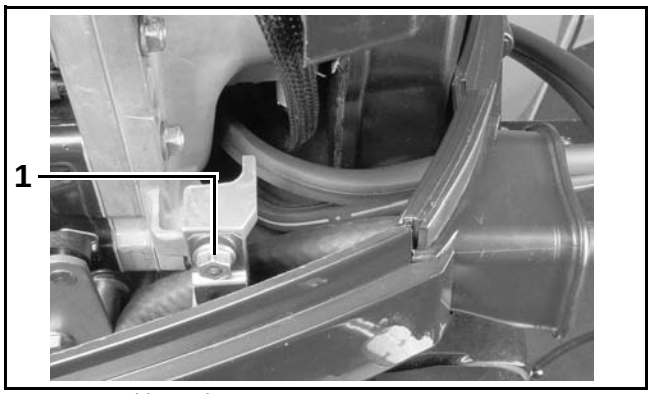
1. Straight section DP0818
2. Angled section DP0817

- Push the clip towards the hole while lifting on the curved end with the pliers.
- Be sure retainer clip fully engages the pin.
- Lock the retainer by moving the angled section **behind** the straight section.



Locked Retainer Clip DP0817a
1. Angled section behind straight section

Reinslall cable retainer and screw on anchor block.



1. Screw, cable retainer 002099

Install lower engine cover grommet. Install tie strap, P/N 500081, around the outside of the grommet to form a watertight seal around the cables. Install protective sleeve on tiller handle cables. Use tie straps to secure sleeve on cables.

1. Grommet DSC00135
2. Tie strap
3. Sleeve

Check Installation

Make sure the following operate properly before returning outboard to customer:

- Shift control and proper gear engagement
- Start-in-gear protection

IDENTIFICATION PROCEDURE

Shift cables that have been replaced can be easily identified by the brass shift sleeve (see page 1). No further identification is required.

DEALER RESPONSIBILITY

All dealers, as part of a distribution chain, **CARRY A RESPONSIBILITY TO NOTIFY THE CUSTOMER** of any safety related concern and correct the problem properly.

Please contact all of your customers who have purchased this tiller handle kit or operate an outboard with this tiller handle kit installed and request they return their outboards to your dealership for this service.

WARRANTY PROCESSING

Flat Rate Labor Allowance

Replace (HC01)

- Replacement – **0.5 hours**

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

Warranty Allowance Request Form

A warranty claim form (P/N 773629) **MUST** be completed and submitted along with the **original shift cable.**

Return the completed warranty claim form with the original shift cable for warranty credit. Complete documentation of repair is required for reporting program progress to the U.S.C.G.

Include the following information:

- Customer name and address
- Dealer name, code, and phone number
- Engine model and serial number
- Bulletin number – 2006-01(W)
- Flat Rate Code – **HC01**
- Failing Part Number – **9999965**

Returning Request Form and Parts

North American Dealers

- **U.S. Dealers only —** The address is:
  Bombardier Recreational Products
  Evinrude/Johnson Dealer Support Services
  300 Seahorse Drive, Dock 5
  Waukegan, IL 60085

- **Canadian Dealers —** The address is:
  Bombardier Recreational Products Inc.
  Attn: Service Department
  1789 Stenson Boulevard
  Peterborough, ON Canada K9J7B6

Credit for labor and $5 US to cover shipping and handling of returned parts will be issued only when the warranty allowance request form and required part is returned.

For additional information, U.S. and Canadian dealers can call 1-800-888-4662.

Dealers Outside North America

- Return request form and original shift cable to regional office.

For additional information, dealers can call their regional office.

Please route to:
Init.
☐ Service ☐
☐ Sales ☐
☐ Parts ☐

EVINRUDE Johnson BRP

SAFETY CAMPAIGN

OUTBOARDS

WARRANTY Bulletin

⚠WARNING: All involved customers must be notified, all involved units must be corrected as per instructions herein.

Date: May, 2006 **No.** 2006-02(W)

MODELS: 200, 225 HP *Johnson*® 4-Stroke

SUBJECT: Engine Control Module (ECM) Replacement

Dear *Evinrude*®/*Johnson* Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of a required ECM replacement.

AFFECTED MODELS

ALL *Johnson* 200 and 225 HP 4-Stroke Outboards (2004, 2005, and 2006 models) must have updated ECM installed.

Model Year	Models	Serial Number
2004 (SR)	200/225 HP	**ALL**
2005 (SO)	200/225 HP	
2006 (SD)	200/225 HP	

IMPORTANT: Outboards which may have received a replacement ECM under Safety Campaigns (Warranty Bulletins) 2004-03(W) and 2005-08(W) will also be required to have this Safety Campaign Repair. Service replacement ECMs (P/Ns 5035097, 5035707, 5036540, 5035959, 5036655, 5036792, 5036793) must also be inspected and replaced. This includes all 200, 225 HP Johnson 4-Stroke outboards serviced with these replacement ECMs. DO NOT sell, deliver, or use any affected outboards or ECMs that you have in stock until ECM replacement has been completed.

PROBLEM

Hard starting can lead to fuel accumulation in the intake port area of outboard. This condition along with a misfire during starting can result in a severe backfire which damages the engine's collector assembly (air intake). If collector assembly breaks, the engine cover can come off unexpectedly, possibly causing serious personal injury.

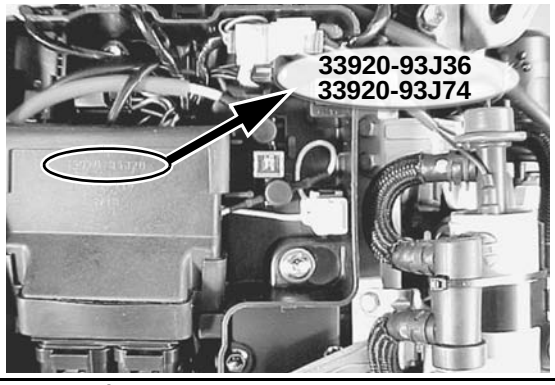
THE CUSTOMER

BRP US Inc. will send a letter to all registered owners (North America) instructing them to return their outboard to an authorized *Evinrude* or *Johnson* dealer to complete the ECM inspection and replacement. **This is a safety issue.**

IMPORTANT: The repair procedure outlined in this bulletin MUST be performed by an authorized *Evinrude/Johnson* Dealer and *Evinrude/Johnson* Certified Technician.

INSPECTION

Remove engine cover and inspect ECM. Identify the ECM part number imprinted on ECM housing.



ECM Part Number 003103

IMPORTANT: Part numbers 33920-93J36 or 33920-93J74 are the newest version of ECM. All outboards **must** be fitted with this ECM version or newer. Future (newer) versions of ECMs can be identified by higher number sequence, *i.e.*, 33920-93J**37** or 33920-93J**75**.

3531168

ORDERING PARTS

New ECM(s) must be ordered as follows.

North American Dealers

Use the included Fax Order Form to ensure efficient order processing.

Dealers may also clearly PRINT or TYPE the order request on company letterhead or paper.

Fax the complete order request to 847-689-7235.

The order request **MUST** include the following:

- Bulletin number — 2006-02(W)
- Date of order
- Dealer name and dealer code
- Dealer contact name and phone number
- Requested part number
- For **installed** ECMs — Engine Model and Serial Number
- For **service replacement** ECMs — a copy of the purchase invoice

Parts Needed		
Replacement ECM	**P/N**	**QTY**
"J" Model (EPA/CARB Certified)	5037480	1
"BJ" Model (EU Certified)	5037482	1

Parts will be shipped at no charge.

IMPORTANT: ONLY Authorized North American Dealers eligible to service this product may order parts.

Dealers Outside North America

Contact regional office.

REPLACEMENT PROCEDURE

Refer to *Johnson* Service Manual and install new ECM in same position as original.

Make a visual inspection and review other service requirements for the outboard.

⚠ WARNING ⚠

After servicing the outboard, check connections. Failure to check connections could allow a problem to go undetected, resulting in an unsafe operating condition.

DEALER RESPONSIBILITY

All dealers, as part of a distribution chain, **CARRY A RESPONSIBILITY TO NOTIFY THE CUSTOMER** of any safety related concern and correct the problem properly.

Please contact all of your customers who have purchased or operate these outboards and request they return their outboards to your dealership for this service.

North American Dealers

A warranty claim form **MUST** be completed and submitted along with the **Original ECM**.

Return the completed warranty claim form with the original ECM for warranty credit. Complete documentation of repair is required for reporting program progress to the U.S.C.G.

Using a standard warranty claim form (P/N 773629), use the following information:

- Flat Rate Code – **EC01**
- Failing Part Number – **9999966**

Flat Rate Labor Allowance:

- Replacement – **0.5 hours**

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

Credit for labor and $10 US to cover shipping and handling of returned parts will be issued only when the warranty allowance request form and required part is returned.

Returning Parts

- **U.S. Dealers only —** The address is:
  Bombardier Recreational Products
  Evinrude/Johnson Dealer Support Services
  300 Seahorse Drive, Dock 5
  Waukegan, IL 60085
- **Canadian Dealers —** The address is:
  Bombardier Recreational Products Inc.
  Attn: Service Department
  1789 Stenson Boulevard
  Peterborough, ON Canada K9J7B6
- **Dealers Outside North America —** Return old ECM to regional office.

For additional information, U.S. and Canadian dealers can call 1-800-888-4662. Dealers outside North America can call their regional office.

Please route to:
Init.
☐ Service ☐
☐ Sales ☐
☐ Parts ☐

EVINRUDE Johnson BRP

OUTBOARDS
WARRANTY Bulletin

Date: July, 2006 **No.** 2006-03(W)

MODELS: 2007 *Evinrude*® *E-TEC*® 60°V6 150–200 HP "F" Suffix Models

SUBJECT: Engine Software Update

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of an important *EMM* software update.

AFFECTED MODELS

60°V6 Models	Model Suffix	Serial Numbers
150 HP	"F"	Below 5167082
175 HP	"F"	Below 5167055
200 HP	"F"	Below 5167060

Please contact customers who have purchased the affected outboards and request they schedule this important warranty update. Affected outboards in stock MUST have the update software installed **before** delivering to customers.

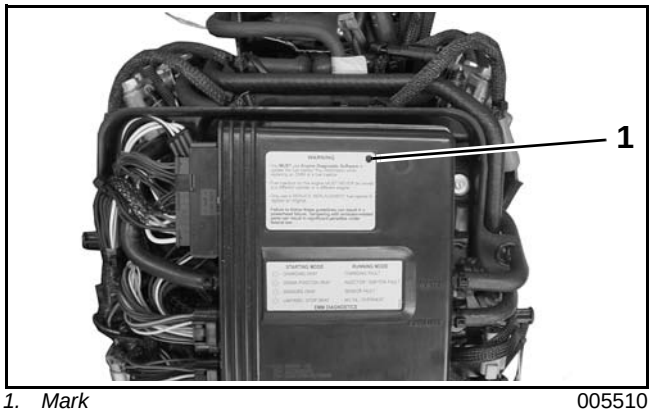
DESCRIPTION

The update software has the following benefits:

- Enhanced fuel and oil management
- Improved engine run quality at IDLE and throughout the entire RPM range.
- New fault code Code 11. The *EMM* now monitors the throttle position sensor (TPS) calibration. Code 11 will be stored if TPS voltage (V) at IDLE is beyond the specific range of 0.20 V to 0.65 V.

INSPECTION

Remove the engine cover and inspect *EMM* for software update as shown. If the marking is present in the location shown, the update software has already been installed.



1. Mark 005510

PROCEDURE

If the update software is required, go to the *DealerPort*® website to download the necessary file. Dealers **without** *DealerPort* can send an e-mail requesting the new software.

Log into *DealerPort*.

Click **Engine Software**.

1. Engine Software link 005511

Click **Windows & PDA Maps**.

Scroll to the list of software part numbers and locate the appropriate Software P/N, based on the horsepower and model type.

Horsepower and Model Suffix	Software P/N	Revision (PCN)
150 HP “SUF”	3030377	92343
175 HP “SUF”	3030378	92345
200 HP “SUF”	3030379	92346

Click **Get Map**.

After downloading the file and opening it, the program will place the Engine Map files in three locations for use with *Evinrude Diagnostics* (EV DIAG), PDA and PDC Diagnostics software.

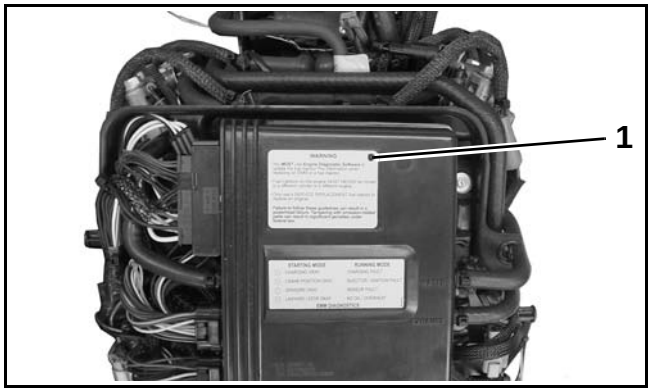
IMPORTANT: Do not change the default path from C:\ when the file is unzipped.

If you do not have *DealerPort*, e-mail a request for the software to bmca.techsvc@brp.com. In the e-mail subject line, you **must** reference “E-TEC 150–200 HP 60°V6 Software Map.”

Identification Procedure

Outboards with updated software must be easily identified.

Use a BLACK permanent marker to mark the *EMM* as shown below to indicate updated software has been installed.



1. Mark 005510

IMPORTANT: It is not necessary to perform timing verification after this software is loaded.

DEALER RESPONSIBILITY

Please contact all of your customers who have purchased these outboards and request they return their outboards to your dealership for this service. Refer to “AFFECTED MODELS” on page 1.

ADDITIONAL INFORMATION

ONLY Authorized servicing Dealers may perform the software update.

Warranty claims can be filed on *DealerPort* using the following information:

- Flat Rate Code – **EM01**
- Failing Part Number – **9999968**

Flat Rate Labor Allowance:

- Replacement – **0.5 hours**

Dealers without *DealerPort* can submit a standard warranty claim form.

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

BRP will credit dealers for repairs performed up to 12 months from the date this bulletin is issued. The proper return address is:

Mailing Addresses:

- **U.S. Dealers only —** The address is:

  Bombardier Recreational Products
  Evinrude/Johnson Dealer Support Services
  250 Sea Horse Drive
  Waukegan, IL 60085

- **Canadian Dealers —** The address is:

  Bombardier Recreational Products Inc.
  Attn: Service Department
  1789 Stenson Boulevard
  Peterborough, ON Canada K9J7B6

- **Dealers Outside North America —** Contact regional office.

For additional information, U.S. and Canadian dealers can call 1-800-888-4662. Dealers outside North America can call their regional office.

Please route to:

Init.

- ☐ Service ☐
- ☐ Sales ☐
- ☐ Parts ☐

EVINRUDE Johnson BRP

SAFETY CAMPAIGN

OUTBOARDS

WARRANTY Bulletin

⚠WARNING: All involved customers must be notified, all involved units must be corrected as per instructions herein.

Date: June, 2006

No. 2006-04(W)

MODELS: 2006 *Evinrude® E-TEC®* 40DRLSD (40 HP Rope Start TIller Models with or without an electric start kit added)

SUBJECT: Start in Gear

Dear *Evinrude/Johnson®* Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of a **required** change on the "Set Engine Type" switch of the Engine Management Module (*EMM*). See "Inspection."

AFFECTED MODELS

ALL 2006 *Evinrude E-TEC* 40DRLSD outboards **below serial number 5152670** must be inspected and changed to ensure safe operation.

IMPORTANT: DO NOT sell, deliver, or use any affected outboards until this modification has been completed.

PROBLEM

The original factory setting of the affected outboards was NOT set to "Tiller." Operating these outboards with *EMM* set to "Remote" allows the outboard to start in gear.

⚠ DANGER ⚠

Contact with a rotating propeller is likely to result in serious injury or death. Additionally, a loss of boat control could cause a risk of personal injury to the operator, passengers, and people who are nearby.

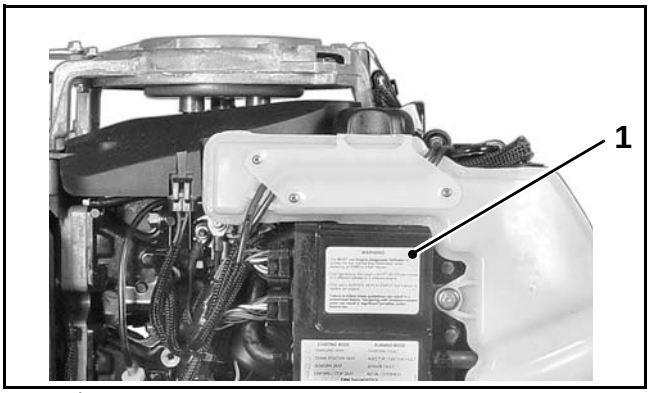
THE CUSTOMER

BRP US Inc. has identified all registered owners and will send each a letter instructing him or her to return their outboard to an authorized *Evinrude* or *Johnson* dealer to complete this service. This is a safety issue.

IMPORTANT: The service procedure outlined in this bulletin MUST be performed by an authorized *Evinrude/Johnson* Dealer and *Evinrude/Johnson* Certified Technician.

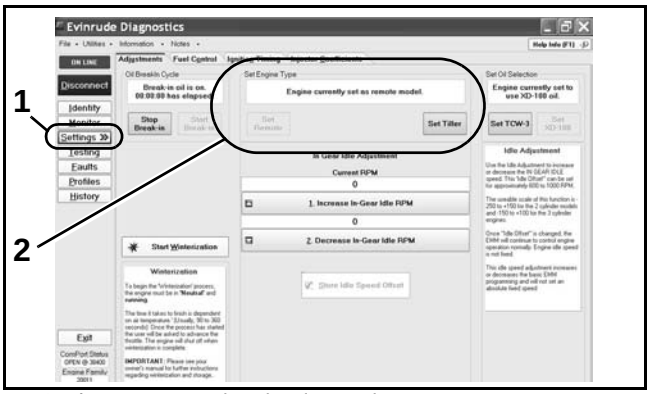
INSPECTION

Remove the engine cover and inspect *EMM* for mark as shown below. If the mark is present the "Set Engine Type" switch has been changed. If NO mark is present use *Evinrude Diagnostics* to change.



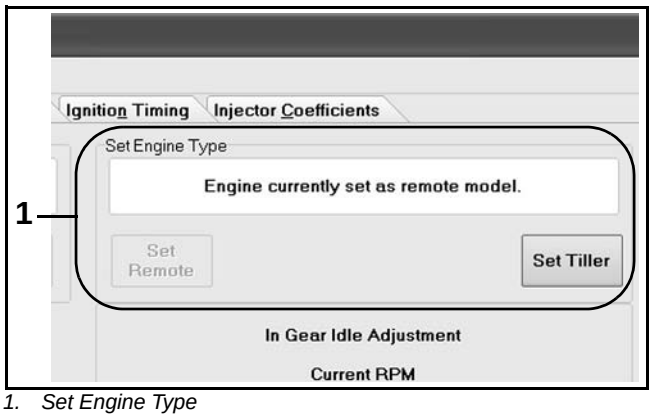
1. Mark

Use *Evinrude Diagnostics* software program to view the *EMM* "Settings" screen. Verify setting at "Set Engine Type."



1. Settings screen, Evinrude Diagnostics
2. Set Engine Type

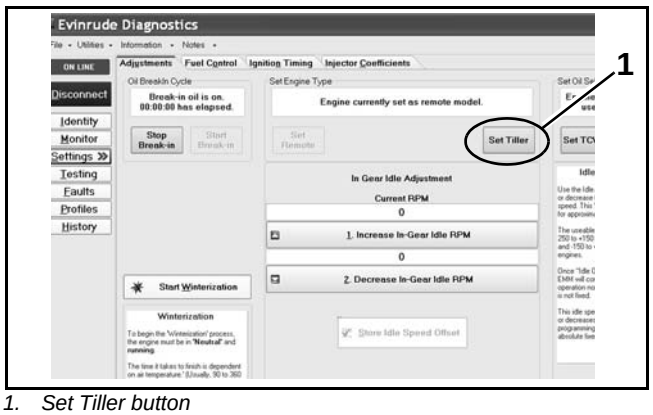
353250



1. Set Engine Type

PROCEDURE

Use *Evinrude Diagnostics* software program to change "Engine Type." If display reads "Engine currently set as remote model," click the "Set Tiller" button on the screen.



1. Set Tiller button

Refer to **ENGINE MANAGEMENT MODULE (*EMM*)** section of the 2006 *Evinrude E-TEC* Service Manual, P/N 5006570, for *EMM* communication instructions.

IMPORTANT: The Engine Management Module (*EMM*) MUST be set for tiller model with start-in-gear protection.

Make sure shift control and start-in-gear protection operate properly before returning outboard to customer.

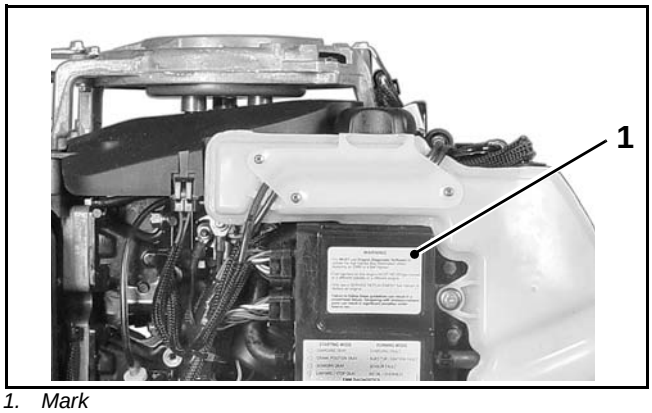
⚠ DANGER ⚠

Contact with a rotating propeller is likely to result in serious injury or death. Additionally, a loss of boat control could cause a risk of personal injury to the operator, passengers, and people who are nearby.

Identification Procedure

Outboards with the software switch change must be easily identified.

Use a BLACK permanent marker to mark the *EMM* as shown below to indicate the switch change was performed.



1. Mark

DEALER RESPONSIBILITY

All dealers, as part of a distribution chain, **CARRY A RESPONSIBILITY TO NOTIFY THE CUSTOMER** of any safety related concern and correct the problem properly.

Please contact all of your customers who have purchased or operate an affected outboard and request they return their outboards to your dealership for this service.

Warranty claims can be filed online using the following information:

- Flat Rate Code – **EM01** (0.5 hours)
- Failing Part Number – **9999967**
- Bulletin number – 2006-04(W)

Dealers without online claim processing can submit a standard warranty claim form (P/N 773629).

A warranty claim **MUST** be completed and submitted for warranty credit.

Complete documentation of repair is required for reporting program progress to the U.S.C.G.

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

Credit for labor will be issued only when the warranty allowance request is received.

For additional information, U.S. and Canadian dealers can call 1-800-888-4662. Dealers outside North America can call their regional office.

Please route to:

Init.

☐ Service ☐

☐ Sales ☐

☐ Parts ☐

EVINRUDE Johnson BRP

SAFETY CAMPAIGN

OUTBOARDS

WARRANTY Bulletin

⚠WARNING: All involved customers must be notified, all involved units must be corrected as per instructions herein.

Date: August, 2006 **No.** 2006-05(W)

MODELS: 2004–2007 Model Year 40–90 HP *Evinrude® E-TEC®* Outboards

SUBJECT: Fuel Filter Replacement

Dear *Evinrude/Johnson®* Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of a **required** fuel filter replacment. See "Inspection."

AFFECTED MODELS

ALL 2004–2007 Model Year 40–90 HP *Evinrude E-TEC* outboards **below** serial number 5166490 must be inspected and serviced to ensure safe operation.

IMPORTANT: DO NOT sell, deliver, or use any affected outboards until this service has been completed.

PROBLEM

During original factory testing the fuel system for these outboards was pressurized. The pressure used during testing was intended to simulate maximum system pressures. This testing may have damaged a small percentage of fuel filters. All factory installed fuel filters on the above noted outboards **must** be replaced to prevent potential fuel filter leaks. A fuel leak when combined with an ignition source, could result in a fire or explosion and present a risk of serious personal injury to the operator, passengers, and bystanders.

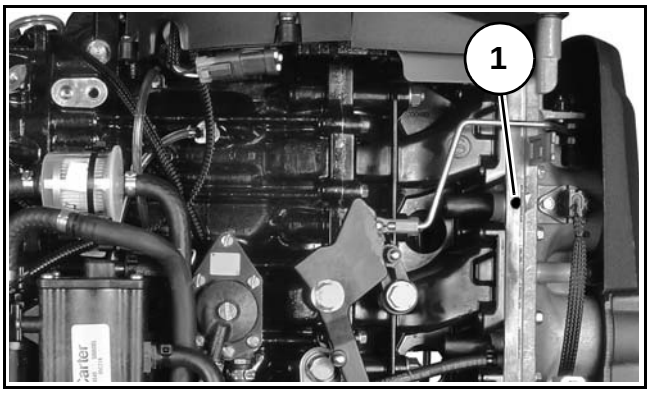
THE CUSTOMER

BRP US Inc. has identified all registered owners and will send each a letter instructing him or her to return their outboard to an authorized *Evinrude/Johnson* Dealer to complete this service. This is a safety issue.

IMPORTANT: The service procedure outlined in this bulletin MUST be performed by an authorized *Evinrude/Johnson* Dealer and *Evinrude/Johnson* Certified Technician.

INSPECTION

Remove the engine cover and inspect fuel filter and adjacent areas for any indication of leaking fuel. Look for mark as shown below. If the mark is present the fuel filter has been replaced. If **NO mark** is present replace original fuel filter with new fuel filter kit, P/N 5007335.



TYPICAL (90 HP shown) 005075

1. Mark

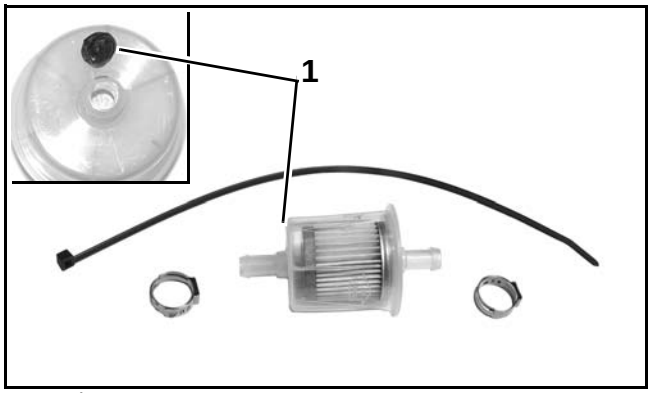
Shipping carton mark indicates fuel filter replacement was performed at factory.

1. Green mark 006301

3532843

REQUIRED PARTS

Order replacement fuel filter kit, P/N 5007335. New filters are marked as shown below.



1. Mark 006161

PROCEDURE

IMPORTANT: Use the appropriate service manual as reference when servicing each affected outboard.

⚠ WARNING ⚠

Use caution when working on any pressurized fuel system. Wear safety glasses and work in a well ventilated area. Extinguish all smoking materials and make certain no open flames or ignition sources exist. Failure to properly relieve fuel system pressure can result in spraying fuel and/or excessive fuel spillage during servicing. Fuel is flammable and can be explosive under certain conditions.

Removal

Disconnect the battery cables at the battery.

Relieve fuel system pressure prior to removing fuel filter.

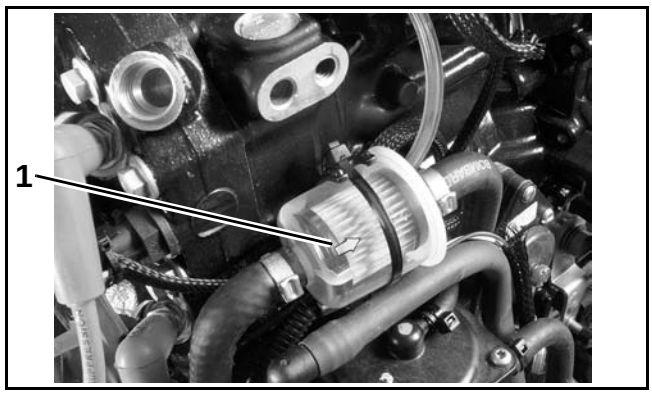
Remove fuel filter.

IMPORTANT: Destroy and discard old filter.

Installation

Position filter in fuel supply hoses. Note arrow indicating direction of fuel flow. Secure filter with appropriate clamps. Clamps must be secured using *Oetiker*® pliers, P/N 350860.

Install tie strap to position filter as shown. **DO NOT** overtighten tie strap as to deform filter housing.



1. Arrow 002192

Squeeze primer bulb to prime fuel system. Hold pressure on bulb and check for fuel leaks. Repair all leaks.

Connect battery cables. Run outboard and check for fuel leaks. Repair all leaks.

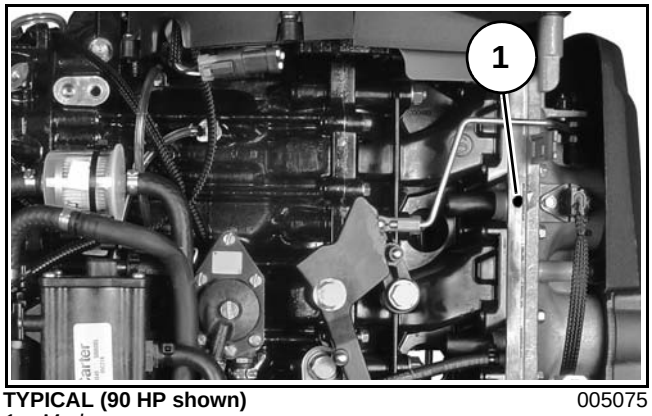
⚠ WARNING ⚠

Failure to check for fuel leakage could allow a leak to go undetected, resulting in fire or explosion.

Identification Procedure

Outboards with replacement fuel filters must be easily identified.

Use a BLACK permanent marker to mark the reed plate adjacent to the air temperature sensor.



TYPICAL (90 HP shown) 005075

1. Mark

DEALER RESPONSIBILITY

All dealers, as part of a distribution chain, **CARRY A RESPONSIBILITY TO NOTIFY THE CUSTOMER** of any safety related concern and correct the problem properly.

Please contact all of your customers who have purchased or operate an affected outboard and request they return their outboards to your dealership for this service.

Warranty claims can be filed online using the following information:

- Flat Rate Code – **FF01** (0.5 hours)
- Failing Part Number – **9999969**
- Bulletin number – 2006-05(W)
- Fuel Filter Kit – P/N 5007335

DO NOT request other labor or parts on the warranty allowance request for this safety campaign.

Dealers without online claim processing can submit a standard warranty claim form (P/N 773629).

A warranty claim **MUST** be completed and submitted for warranty credit.

Complete documentation of repair is required for reporting program progress to the U.S.C.G.

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

Credit for labor will be issued only when the warranty allowance request is received.

For additional information, U.S. and Canadian dealers can call 1-800-888-4662. Dealers outside North America can call their regional office.

Please route to:
Init.
☐ Service ☐
☐ Sales ☐
☐ Parts ☐

EVINRUDE Johnson BRP

OUTBOARDS
WARRANTY Bulletin

Date: November, 2006 **No.** 2006-06(W)

MODELS: 2007 *Evinrude*® *E-TEC*® 60°V4 115 HP Models

SUBJECT: Engine Software Update

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of an important *EMM* software update.

AFFECTED MODELS

60°V4 Models	Serial Numbers
115 HP	Below 5176380

Please contact customers who have purchased the affected outboards and request they schedule this important warranty update. Affected outboards in stock MUST have the update software installed **before** delivering to customers.

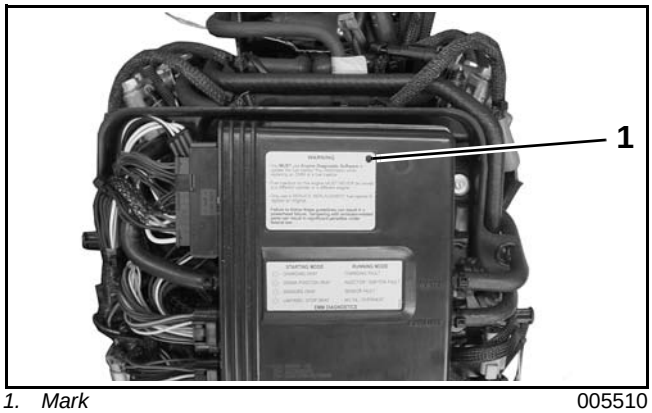
DESCRIPTION

The update software has the following benefits:

- Enhanced oil management
- Improved start-up
- Increased outboard durability and engine life
- Improved engine run quality at IDLE and throughout the entire RPM range

INSPECTION

Remove the engine cover and inspect *EMM* for software update as shown. If the marking is present in the location shown, the update software has already been installed.



1. Mark 005510

PROCEDURE

If the update software is required, go to the *DealerPort*® website to download the necessary file. Dealers **without** *DealerPort* can send an e-mail requesting the new software.

Log into *DealerPort*.

Click **Engine Software**.

1. Engine Software link 005511

Click **Windows & PDA Maps**.

Scroll to the list of software part numbers and locate the appropriate Software P/N, based on the horsepower and model type.

Horsepower and Model Suffix	Software P/N	Revision (PCN)
115 HP “SUC”	3030352	93784

Click **Get Map**.

After downloading the file and opening it, the program will place the Engine Map files in three locations for use with *Evinrude Diagnostics* (EV DIAG), PDA and PDC Diagnostics software.

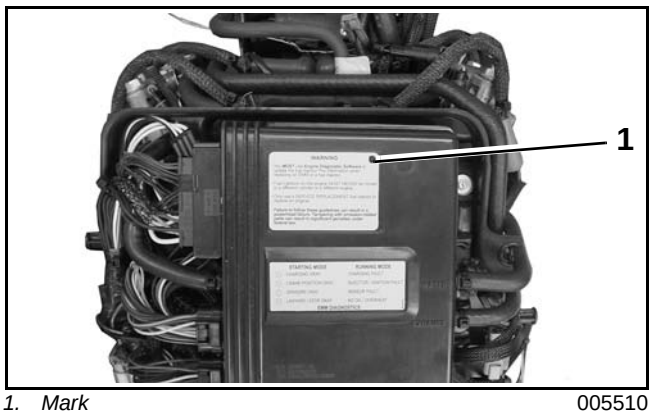
IMPORTANT: Do not change the default path from C:\ when the file is unzipped.

If you do not have *DealerPort*, e-mail a request for the software to bmca.techsvc@brp.com. In the e-mail subject line, you **must** reference “E-TEC 115 HP 60°V4 Software Map.”

Identification Procedure

Outboards with updated software must be easily identified.

Use a BLACK permanent marker to mark the *EMM* as shown below to indicate updated software has been installed.



1. Mark 005510

IMPORTANT: It is not necessary to perform timing verification after this software is loaded.

DEALER RESPONSIBILITY

Please contact all of your customers who have purchased these outboards and request they return their outboards to your dealership for this service. Refer to “AFFECTED MODELS” on page 1.

ADDITIONAL INFORMATION

ONLY Authorized servicing Dealers may perform the software update.

Warranty claims can be filed on *DealerPort* using the following information:

- Flat Rate Code – **EM01**
- Failing Part Number – **9999972**
- Customer Comment Code – 239
- Bulletin Number – 2006-06(W)

Flat Rate Labor Allowance:

- Replacement – **0.5 hours**

DO NOT request other labor or parts on the warranty allowance request for this warranty campaign.

Dealers without *DealerPort* can submit a standard warranty claim form.

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

BRP will credit dealers for repairs performed up to 12 months from the date this bulletin is issued. The proper return address is:

Mailing Addresses:

- **U.S. Dealers only —** The address is:

  Bombardier Recreational Products
  Evinrude/Johnson Dealer Support Services
  250 Sea Horse Drive
  Waukegan, IL 60085

- **Canadian Dealers —** The address is:

  Bombardier Recreational Products Inc.
  Attn: Service Department
  1789 Stenson Boulevard
  Peterborough, ON Canada K9J7B6

- **Dealers Outside North America —** Contact regional office.

For additional information, U.S. and Canadian dealers can call 1-800-888-4662. Dealers outside North America can call their regional office.

Please route to:
Init.
☐ Service ☐
☐ Sales ☐
☐ Parts ☐

EVINRUDE Johnson BRP

OUTBOARDS

WARRANTY Bulletin

Date: November, 2006 **No.** 2006-07(W) **Rev. 1**

MODELS: 2006 and 2007 Model Year *Johnson*® 4-Stroke 2.5 HP

SUBJECT: Water Pump

Dear *Evinrude*®/*Johnson* Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of a **required** water pump replacement on affected 2006 and 2007 Model Year *Johnson* 4-Stroke 2.5 HP outboards.

AFFECTED MODELS

Models	Model Year	Serial Number Range
J2R4SD	2006	35026003 to 35027682
J2R4SU	2007	35027000 to 35032560

Only outboards within the serial number range above are affected.

The affected models listed above may NOT be available in all markets.

Please contact customers who have purchased the affected outboards and request they schedule this important warranty repair. Affected outboards in stock MUST have the corrected water pump installed **before** delivering to customers.

IMPORTANT: DO NOT sell, deliver, or use any affected in-stock outboards until the water pump replacement has been completed.

PROBLEM

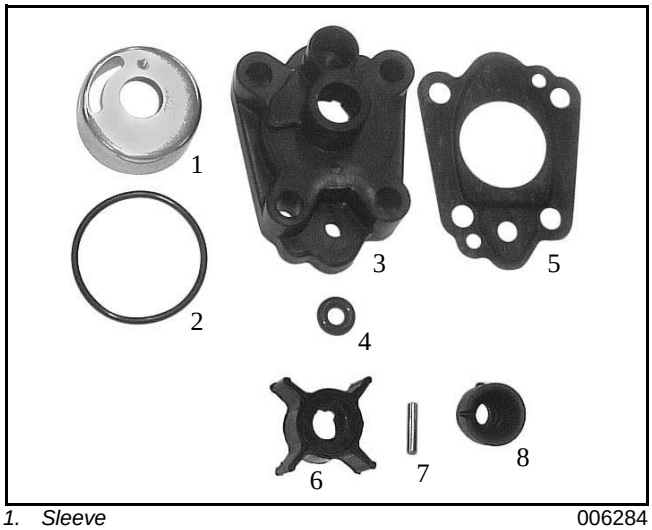
The water pump may not adequately purge air from the pump housing. Aerated water may not provide adequate cooling to the outboard, causing an overheat condition. An overheat condition may result in damage to the powerhead or outboard components.

SOLUTION

The water pump must be replaced. Order and install the replacement kit listed below.

Kit	P/N
Water Pump Re-Work Kit	5037563

Contents of Kit

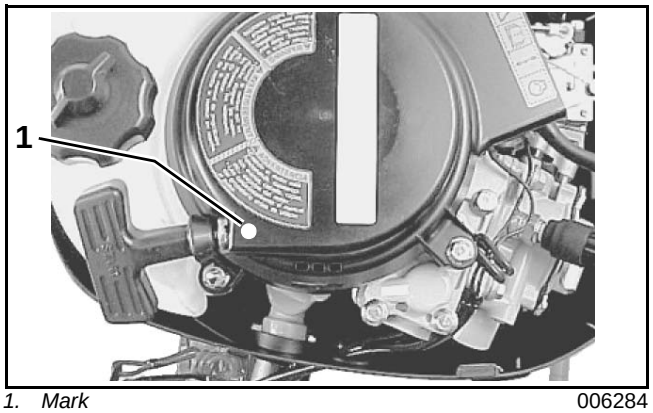


006284

1. *Sleeve*
2. *Seal*
3. *Case*
4. *O-ring*
5. *Gasket*
6. *Impeller*
7. *Impeller pin*
8. *Grommet*

INSPECTION

Remove engine cover and inspect manual starter for mark as shown below. If the mark is present, the water pump has been replaced. If NO mark is present, replace the water pump following the procedure outlined in the service manual.



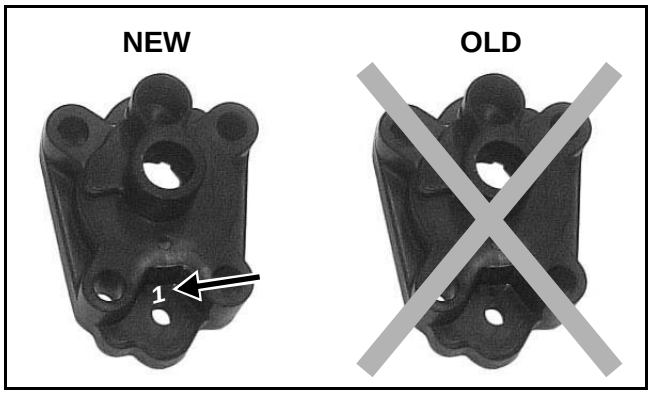
1. Mark 006284

Shipping carton mark indicates water pump replacement was performed at warehouse.

1. Red dot

Pump Case Comparison

New pump cases have a “1” molded in, as shown. Old pump cases do not have any identifying feature and MUST NOT be used in any application.



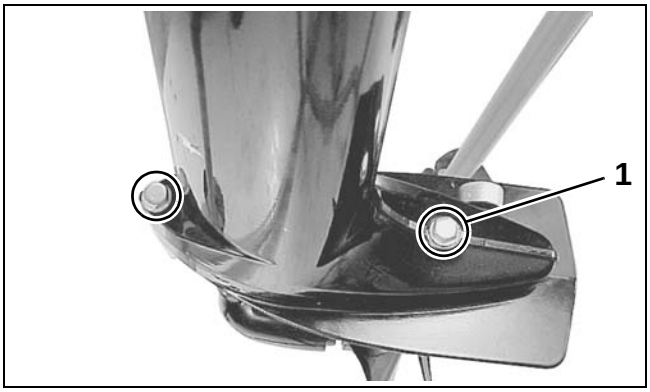
PROCEDURE

WARNING

To prevent accidental starting while servicing, twist and remove all spark plug leads.

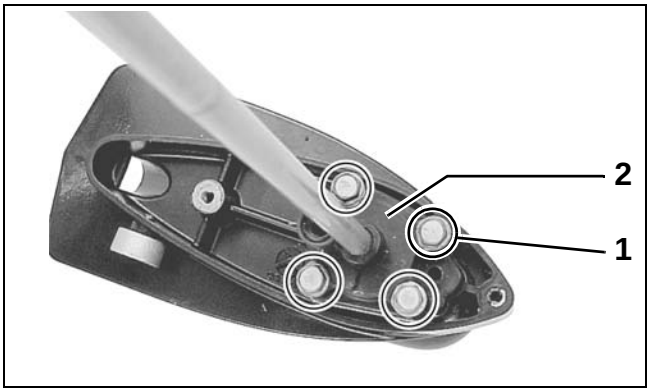
During service, the outboard may drop unexpectedly. Avoid personal injury; always support the outboard’s weight with a suitable hoist or the tilt support bracket during service.

Remove the two gearcase bolts. Separate the gearcase assembly from the driveshaft housing. The driveshaft stays in the gearcase and the shift rod stays in the midsection housing.



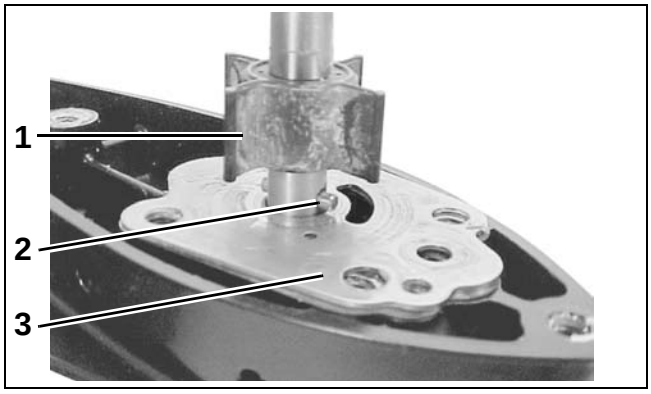
1. Bolt (2) 006205

Remove four pump case bolts and pump case.



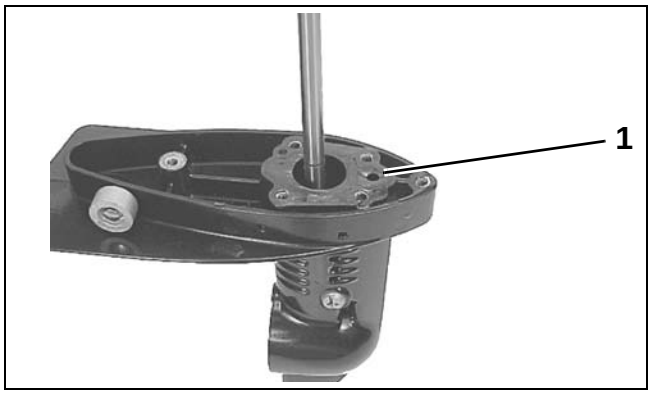
1. Bolt (4) 006210
2. Pump case

Remove the water pump impeller, impeller pin, and under panel.



1. *Impeller* 006211
2. *Impeller pin*
3. *Under panel*

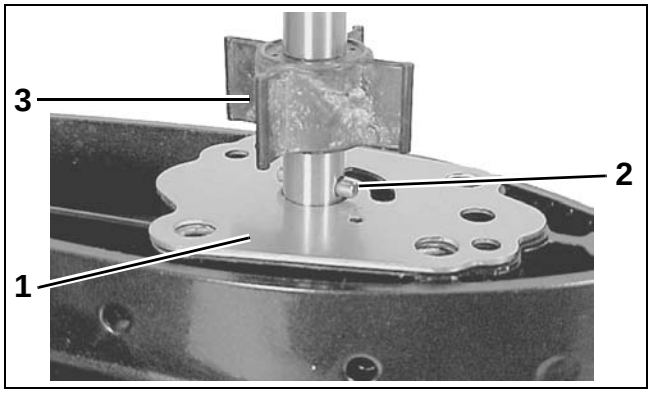
Apply *ThreeBond 1207B* sealant, P/N 351053, evenly to both sides of under panel gasket. Place gasket on gearcase assembly.



1. *Gasket* 006255

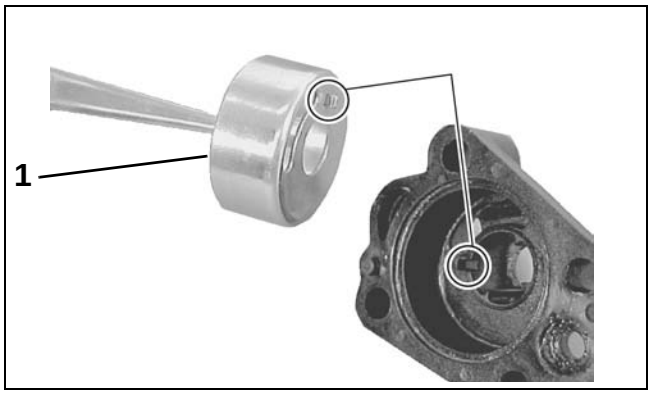
IMPORTANT: Inspect the under panel. If wear, crack, distortion, or corrosion is found, replace.

Install the under panel, impeller pin, and impeller.



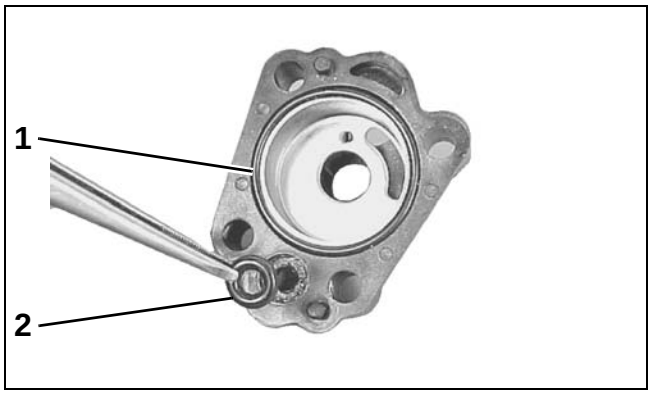
1. *Under panel* 006256
2. *Impeller pin*
3. *Impeller*

Apply *ThreeBond 1207B* sealant to outer surface of water pump sleeve. Install water pump sleeve into water pump case, confirming the boss on the sleeve aligns with the groove on the pump case.



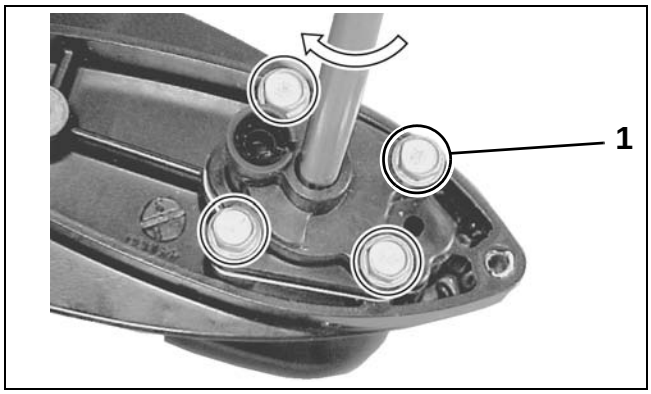
1. *Sleeve* 006257

Install the water pump case seal. Apply *Triple-Guard* grease to O-ring and install the O-ring.



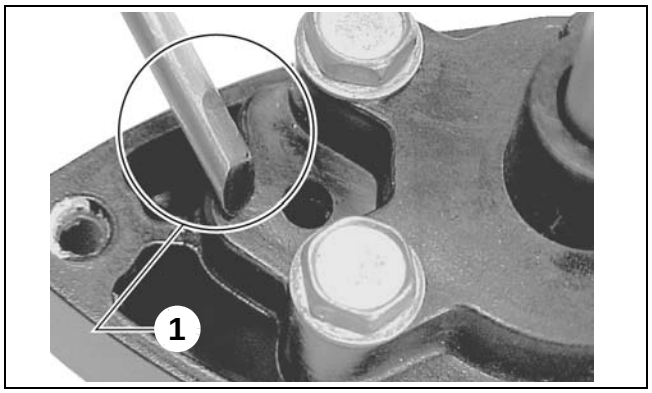
1. *Seal* 006258
2. *O-ring*

Install the water pump case while rotating the driveshaft clockwise in order to flex the impeller vanes in the correct direction. Tighten the water pump case bolts to torque of 3.5 ft. lbs. (5 N·m).



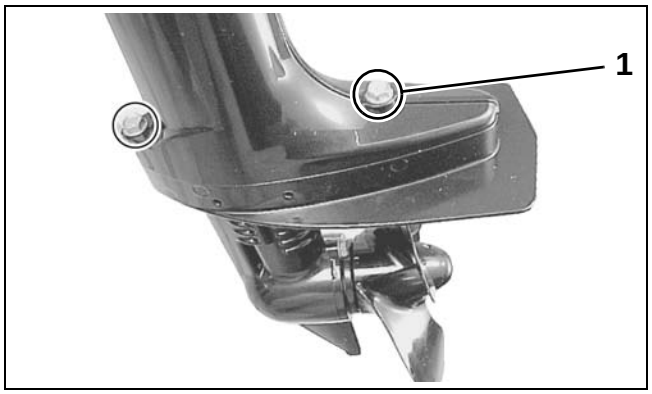
1. *Bolt (4)* 006259

Align the shift rod in the gearcase. The stepped section of the shift cam must be positioned toward the propeller shaft.



1. Shift cam, stepped section 006260

Install the gearcase assembly. Apply *Gasket Sealing Compound* to the gearcase retaining bolts and tighten the bolts to a torque of 6.0 ft. lbs. (8 N·m).



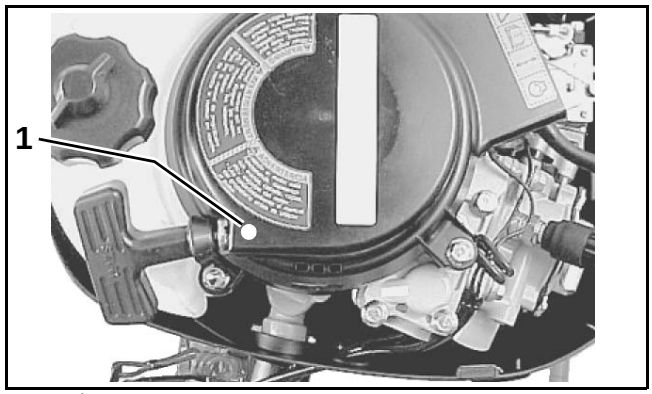
1. Bolt (2) 006266

IMPORTANT: Destroy and discard old water pump. Do not re-use any parts.

After completing replacement procedure, test outboard shifting and water pump operation.

Identification Procedure

Outboards with replaced water pumps must be easily identified. Use a white permanent marker or paint to mark the manual starter as shown below to indicate replacement water pump has been installed.



1. Mark 006284

DEALER RESPONSIBILITY

Please contact all of your customers who have purchased these outboards and request they return their outboards to your dealership for this warranty service. Refer to “AFFECTED MODELS” on page 1.

WARRANTY PROCESSING

A warranty claim MUST be completed and submitted for warranty credit.

ONLY Authorized servicing Dealers may perform the warranty service.

Credit for labor will be issued only when the warranty allowance request is received.

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

DO NOT request other labor or parts on the warranty allowance request.

Warranty Allowance Request Form

Warranty claims can be filed on *DealerPort* or *BOSSWeb* using the following information:

- Flat Rate Code – **GP01**
- Failing Part Number – **9999973**
- Customer Comment Code – **239**
- Bulletin Number – **2006-07(W)**

Flat Rate Labor Allowance:

- Replacement – **0.5 hours**

Dealers without online claim processing can submit a standard warranty claim form (P/N 773629).

Dealers outside North America can call their regional office for more information.

Please route to:
Init.
Service
Sales
Parts

EVINRUDE Johnson BRP

OUTBOARDS
WARRANTY
Bulletin

Date: June 4, 2007 **No.** 2007-01(W)

MODELS: 2007 *Evinrude*® *E-TEC*® 90°V6 200-250 HP

SUBJECT: Engine Software Update

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of an important *EMM* software update.

WARNING

Outboards listed below MUST have the revised *EMM* software installed prior to use. Failure to install this revised *EMM* software could result in powerhead failure.

AFFECTED MODELS

2007 *Evinrude E-TEC* 90°V6 Models	
E200HSLSUC	E225DHLSUG
E200DHLSUG	E225DHLSUA
E200DHLSUA	E225DHXSUG
E225DPLSUG	E225DHXSUR
E225DPLSUA	E250DPLSUA

Dealers are asked to contact owners of the affected outboards to schedule service appointments for installing this revised *EMM* software.

DESCRIPTION

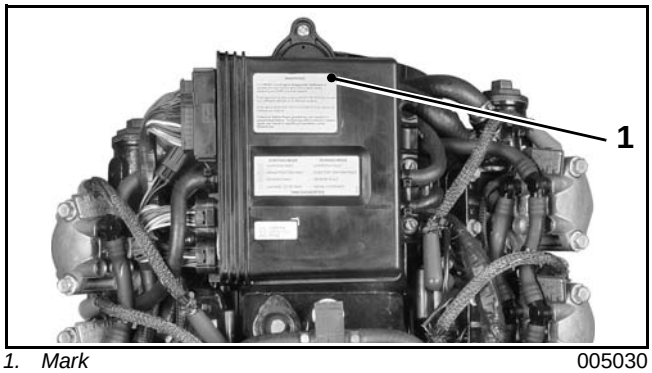
This software update provides the following benefits:

- Dual range temperature monitoring to identify potentially unsafe operating conditions.
- Improved warning system to alert the operator the outboard is being run in a potentially dangerous high temperature condition. The outboard's warning system will activate the TEMPERATURE OVERHEAT indicator and warning horn at 185°F (85°C). S.A.F.E will activate at 194°F (90°C).

IMPORTANT: Water flow to outboard must not be compromised by operation with raised outboard heights (mounting too high and jack-plates) or in weedy, silty, or shallow water conditions.

INSPECTION

Remove the engine cover and inspect the *EMM* for the software update mark as shown. If the mark is present, updated software has been installed.



1. Mark 005030

PROCEDURE

Log into *DealerPort* (www.dealerport.com).

Click **Engine Software**.

1. Engine Software link 005511

Click **Engine Software Update (maps).**

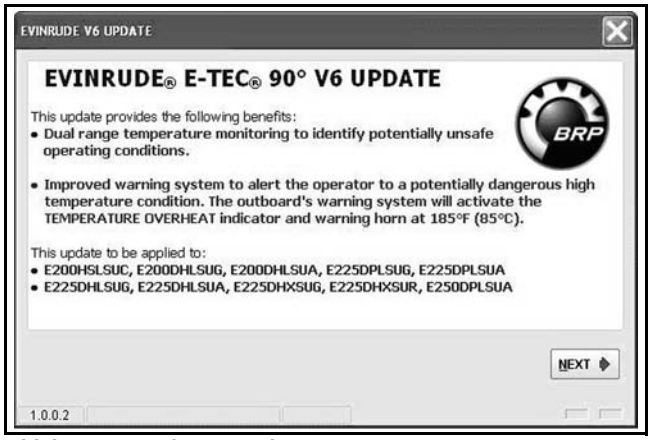
Click **Evinrude E-TEC - Windows & PDA (maps).**

Click **Engine E-TEC V Block.**

Locate the **90V_Update.exe** file and save it to the desktop.

Connect the interface cable (p/n 437955) to the laptop and the engine diagnostic port. Turn the key switch ON.

Click the **90V_Update.exe** file to start the installation.



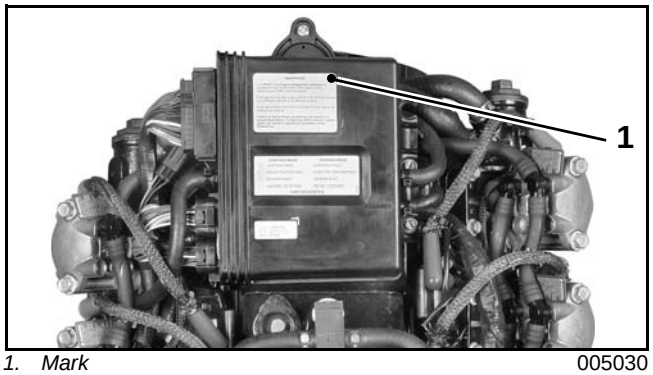
Initial screen, software update 006533rev

If you do not have *DealerPort*, e-mail a request for the software to bmca.techsvc@brp.com. In the e-mail subject line, you **must** reference "E-TEC 200–250 HP 90°V6 Software Map."

Identification Procedure

Outboards with updated software must be easily identified.

Use a BLACK permanent marker to mark the *EMM* as shown below to indicate updated software has been installed.



1. Mark 005030

IMPORTANT: It is NOT necessary to perform timing verification after this software is installed.

DEALER RESPONSIBILITY

Please contact all of your customers who have purchased these outboards and schedule service appointments for installing this beneficial *EMM* software. Refer to "AFFECTED MODELS" on page 1.

ADDITIONAL INFORMATION

ONLY Authorized servicing Dealers may perform the software update.

Warranty claims can be filed on *DealerPort* using the following information:

- Flat Rate Code – **EM01**
- Failing Part Number – **9999974**
- Customer Comment Code – 239
- Bulletin Number – 2007-01(W)

Flat Rate Labor Allowance:

- Software update – **0.5 hours**

DO NOT request other labor or parts on the warranty allowance request for this warranty campaign.

Dealers without *DealerPort* can submit a standard warranty claim form.

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

BRP will credit dealers for repairs performed up to 12 months from the date this bulletin is issued.

Mailing Addresses:

- **U.S. Dealers only —** The address is:

  Bombardier Recreational Products
  Evinrude/Johnson Dealer Support Services
  250 Sea Horse Drive
  Waukegan, IL 60085

- **Canadian Dealers —** The address is:

  Bombardier Recreational Products Inc.
  Attn: Service Department
  1789 Stenson Boulevard
  Peterborough, ON Canada K9J7B6

- **Dealers Outside North America —** Contact regional office.

For additional information in U.S. and Canada call 1-800-888-4662. Dealers outside North America should call their regional office.

EVINRUDE Johnson BRP

OUTBOARDS
Warranty Bulletin

W

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: February 22, 2008 **No.** 2008-01(W)

MODELS: 2008 *Evinrude*® *E-TEC*® 90°V6 225-250HP Outboards and Certain Replacement Powerheads (3.3 L)

SUBJECT: Engine Software Update

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of an important *EMM* software update. This software update has been developed to improve engine management functions and increases engine longevity. Registered owners of affected outboards will receive notice of this service update.

⚠ WARNING ⚠

Outboards listed below MUST have the revised *EMM* software installed prior to use. Failure to install this revised *EMM* software could result in powerhead failure.

AFFECTED MODELS

2008 *Evinrude E-TEC* 90°V6 (3.3 L) 225-250HP Models - Below S/N 5228231			
E225DPL E250DPL	E225DHL	E225HSL	E225DHX
E225DPX E250DPX	E225DCX E250DCX	E225DPZ E250DPZ	E225DCZ E250DCZ
Outboards with replacement powerheads, P/N 189584 and P/N 189651			

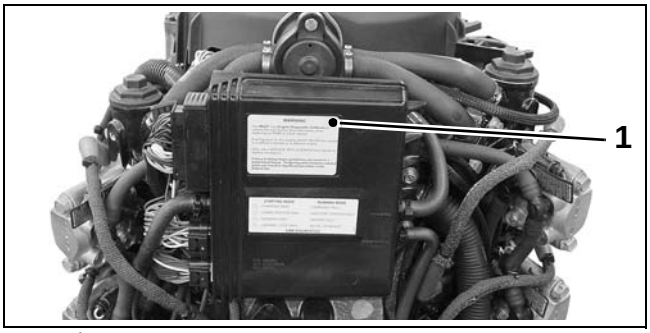
Dealers are asked to contact owners of the affected outboards to schedule service appointments for installing this revised *EMM* software.

INSPECTION

Inspect shipping carton label. Look for the software update mark (green ink) as shown. If the mark is present, updated software has been installed.

1. Mark 006988

Remove the engine cover and inspect the *EMM* for the software update mark (black ink) as shown. If the mark is present, updated software has been installed.



1. Mark 006987

PROCEDURE

Log into *DealerPort* (www.dealerport.com).

Click **Engine Software**.

1. Engine Software link 005511

Click **Engine Software Update (maps).**

Click **Evinrude E-TEC - Windows & PDA (maps).**

Click **Engine E-TEC V Block.**

Scroll to the list of software part numbers and locate the appropriate **Software P/N**, based on the horsepower and model suffix.

This document can be viewed on the DealerPort™ website at www.dealerport.com

3541160

Horsepower and Model Suffix	Software P/N	Revision (PCN)
225 HP: “SCM” “SCS” “SCF” “SCG”	3030398	3893
225 HP-HO: “SCM” “SCS” “SCA” “SCF” “SCG”	3030399	3894HO
250 HP: “SCM” “SCS” “SCF” “SCG”	3030399	3894

The latest engine software revision is available online. Higher software revision numbers indicate newer software. Note the posted dates of the latest software revisions.

Click **Get Map**. (Save file to a known location.)

After downloading the file and opening it, the program will extract software into files for use with *Evinrude Diagnostics* software and PDC Diagnostics software.

IMPORTANT: Do not change the default path from C:\ when the file is unzipped.

If you do not have *DealerPort*, e-mail a request for the software to bmca.techsvc@brp.com. In the e-mail subject line, you **must** reference “E-TEC 225–250 HP 90°V6 Software Map.”

Identification Procedure

Outboards with updated software must be easily identified.

Use a BLACK permanent marker to mark the *EMM* as shown below to indicate updated software has been installed.

1. Mark 006987

IMPORTANT: It is NOT necessary to perform timing verification after this software is installed.

DEALER RESPONSIBILITY

Please contact all of your customers who have purchased these outboards and schedule service appointments for installing this beneficial *EMM* software. Refer to “AFFECTED MODELS” on page 1.

ADDITIONAL INFORMATION

ONLY Authorized servicing Dealers may perform the software update.

Warranty claims can be filed on *DealerPort* using the following information:

- Flat Rate Code – **EM01**
- Failing Part Number – **9999975**
- Customer Comment Code – 239
- Bulletin Number – 2008-01(W)

Flat Rate Labor Allowance:

- Software update – **0.5 hours**

BRP will not accept other labor or parts on the warranty allowance request for this warranty campaign.

Dealers without *DealerPort* can submit a standard warranty claim form.

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

BRP will credit dealers for repairs performed up to 12 months from the date this bulletin is issued.

Mailing Addresses:

- **U.S. Dealers only —** The address is:

  BRP US Inc. / Outboard Engines Division
  After Sales Support
  P.O. Box 597
  Sturtevant, WI 53177

- **Canadian Dealers —** The address is:

  Bombardier Recreational Products Inc.
  Attn: Service Department
  1789 Stenson Boulevard
  Peterborough, ON Canada K9J7B6

- **Dealers Outside North America —** Contact regional office.

For additional information in U.S. and Canada call 1-800-888-4662. Dealers outside North America should call their regional office.

EVINRUDE Johnson BRP

OUTBOARDS
Warranty Bulletin

W

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: February 22, 2008 **No.** 2008-02(W)

MODELS: 2008 *Evinrude*® *E-TEC*®
90°V6 250HO and 300HP (3.4 L)

SUBJECT: Temperature Sensor(s) and Clamp Service

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of an important engine update procedure. This procedure corrects a possible cooling system water leak and improves the reaction time of the engine's overheat warning system (*S.A.F.E.)*. Registered owners of affected outboards will receive notice of this service update.

⚠ WARNING ⚠

Affected outboards MUST have the engine updates performed prior to use. Failure to perform this procedure could result in powerhead failure.

AFFECTED MODELS

2008 *Evinrude E-TEC* 90°V6 (3.4 L) 250-300HP Models Below S/N 5227153			
E250DHL	E250DHX		
E300DPX	E300DCX	E300DPZ	E300DCZ

Dealers are asked to contact owners of the affected outboards to schedule service appointments to perform this engine update procedure.

REQUIRED PARTS

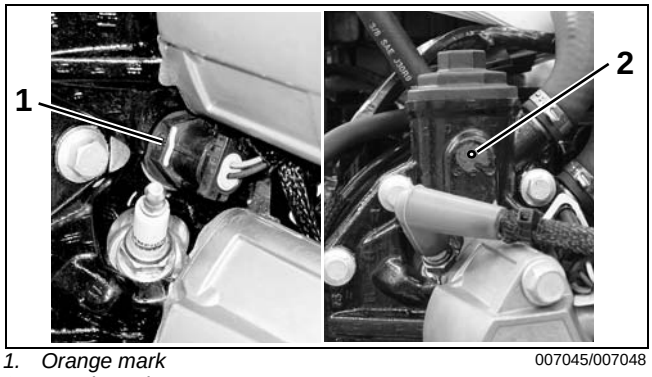
- 1- Heat Sink Compound 2 oz., P/N 354170
- 1- 31.6 mm clamp, P/N 349759

NOTE: Heat Sink Compound 5 oz., P/N 322170, or Radio Shack® Heat Sink Grease, P/N 276-1372, can be used. Make note in parts catalog – "Use clamp, P/N 349759, for overboard indicator hose at adaptor housing below S/N 5227153.

INSPECTION

Inspect engine for service update.

Remove the engine cover. If the orange mark is present on temperature sensor or punch mark is present on PORT cylinder head, update procedure has been performed.



1. Orange mark 007045/007048
2. Punch mark

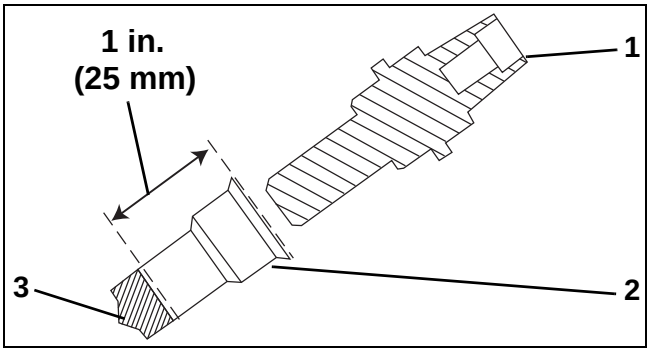
PROCEDURE

Step 1

Service temperature sensors on both cylinder heads. Loosen sensor and remove by hand. DO NOT use socket to remove, threads could break.

Remove temperature sensor. Clean gasket sealing compound from threads of sensor. Clean thermal compound from sensor and sensor cavity.

Fill bottom of sensor cavity with 0.7 cc of heat sink compound. Sensor cavity should be filled to 1 inch (25 mm) below the top edge of the cavity.

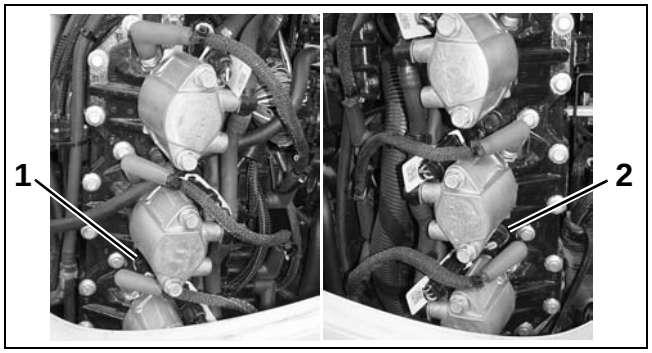


1. Temperature sensor 0070489
2. Sensor cavity
3. Heat sink compound

Install sensor. Do NOT use gasket sealing compound on threads. SLOWLY tighten temperature sensor to a torque of 50 to 70 in. lbs. (5.6 to 8.0 N·m).

This document can be viewed on the DealerPort™ website at www.dealerport.com

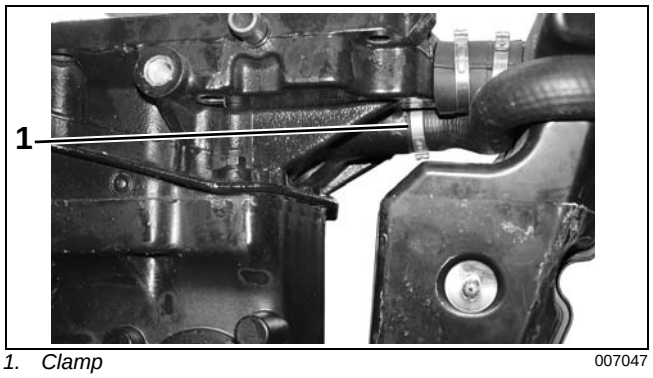
Wait 10 minutes for trapped air to bleed from cavity. Heat sink compound may seep past threads. Retighten sensor to 50 to 70 in. lbs. (5.6 to 8.0 N·m).



1. PORT sensor 007050/007051
2. STARBOARD sensor

Step 2

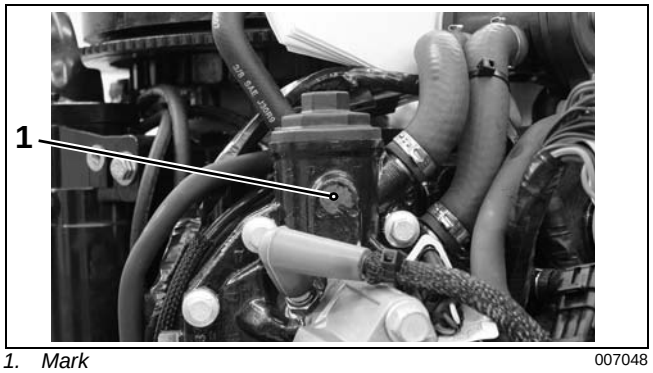
Remove lower engine covers. Remove clamp for overboard indicator hose at adaptor housing. Clean and dry fitting and inside of hose. Replace with clamp (31.6 mm), P/N 349759. Hold hose and clamp in position. Use P/N 350860 Oetiker pincers to install clamp. Connect hose to flushing port and turn on water. Check for leaks. Repair as needed.



1. Clamp 007047

Identification Procedure

Outboards with engine update must be easily identified. Use a center punch to mark the PORT cylinder head as shown below to indicate update has been performed.



1. Mark 007048

DEALER RESPONSIBILITY

Please contact all of your customers who have purchased these outboards and schedule service appointments for performing this service update. Refer to “AFFECTED MODELS” on page 1.

ADDITIONAL INFORMATION

ONLY Authorized servicing Dealers may perform the service update.

Warranty claims can be filed on *DealerPort* using the following information:

- Flat Rate Code – **HM01**
- Failing Part Number – **9999976**
- Customer Comment Code – 239
- Bulletin Number – 2008-02(W)

Flat Rate Labor Allowance:

- Engine Update Campaign – **1.0 hour**

Parts and Material Allowance:

- One clamp, P/N 349759
- Heat sink compound allowance, $2.00 US

BRP will not accept other labor or parts on the warranty allowance request for this warranty campaign.

Dealers without *DealerPort* can submit a standard warranty claim form.

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

BRP will credit dealers for repairs performed up to 12 months from the date this bulletin is issued.

Mailing Addresses:

- **U.S. Dealers only —** The address is:

  BRP US Inc. / Outboard Engines Division
  After Sales Support
  P. O. Box 597
  Sturtevant, WI 53177

- **Canadian Dealers —** The address is:

  Bombardier Recreational Products Inc.
  Attn: Outboard Service Department
  1789 Stenson Boulevard
  Peterborough, ON Canada K9J7B6

- **Dealers Outside North America —** Contact regional office.

For additional information in U.S. and Canada call 1-800-888-4662. Dealers outside North America should call their regional office.

EVINRUDE Johnson BRP

OUTBOARDS
Warranty Bulletin

W

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: July 1, 2008 **No.** 2008-03(W)

MODELS: 2008 *Evinrude*® *E-TEC*® 90°V6 (3.4 L) 300HP Outboards

SUBJECT: Engine Software Update

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of an important *EMM* software update. This software update has been developed to improve engine management functions and increases engine longevity. Registered owners of affected outboards will receive notice of this service update.

⚠ WARNING ⚠

Outboards listed below MUST have the revised *EMM* software installed prior to use. Failure to install this revised *EMM* software could result in powerhead failure.

AFFECTED MODELS

2008 *Evinrude E-TEC* 90°V6 (3.4 L) 300HP Models	
E300DPXSCS	**E300DCXSCS**
E300DPZSCS	**E300DCZSCS**

Dealers are asked to contact owners of the affected outboards to schedule service appointments for installing this revised *EMM* software.

INSPECTION

Remove the engine cover and inspect the *EMM* for the software update mark (black ink) as shown. If the mark is present, updated software has been installed.

1. Mark 006987

PROCEDURE

Log into *DealerPort* (www.dealerport.com).

Click **Engine Software**.

1. Engine Software link 005511

Click **Engine Software Update (maps).**

Click **Evinrude E-TEC - Windows & PDA (maps).**

Click **Engine E-TEC V Block.**

Scroll to the list of software part numbers and locate the appropriate **Software P/N**, based on the horsepower and model suffix.

Horsepower and Model Suffix	Software P/N	Revision (PCN)
300 HP: "SCS"	3030420	5627

The latest engine software revision for this model is available online. Note the posted date of the latest software revision. The higher software revision number indicates newer software.

Click **Get Map**. (Save file to a known location.)

After downloading the file and opening it, the program will extract software into files for use with *Evinrude Diagnostics* software. (Dealers should be using *Evinrude Diagnostics* version 3.0 or higher.)

If you do not have *DealerPort*, e-mail a request for the software to bmca.techsvc@brp.com. In the

This document can be viewed on the DealerPort™ website at www.dealerport.com

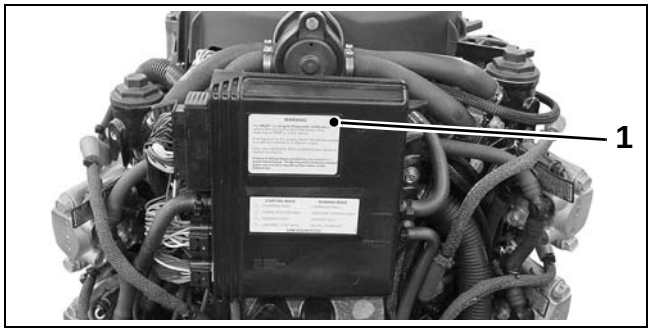
354372

e-mail subject line, you **must** reference “E-TEC 300 HP 90°V6 (3.4L) Software Map.”

IDENTIFICATION PROCEDURE

Outboards with updated software must be easily identified.

Use a BLACK permanent marker to mark the *EMM* as shown below to indicate updated software has been installed.



1. Mark 006987

IMPORTANT: It is NOT necessary to perform timing verification after this software is installed.

DEALER RESPONSIBILITY

Please contact all of your customers who have purchased these outboards and schedule service appointments for installing this beneficial *EMM* software. Refer to “AFFECTED MODELS” on page 1.

ADDITIONAL INFORMATION

ONLY Authorized servicing Dealers may perform warranty repairs.

Dealers should print an *Evinrude Diagnostics* Engine Report after software is updated. Keep copies of updated engine reports in customer’s service file.

Warranty Allowance Request - *DealerPort*

Warranty allowance requests can be filed on *DealerPort* using the *DealerPort* Campaign Claim Entry screen and the failing part number – **9999978.** Dealers will be credited for campaign entry as follows:

- Flat Rate Code – **EM01 (0.5 hours)**

Warranty Allowance Request Form (P/N 773629)

Dealers without *DealerPort* can submit a printed Warranty Allowance Request (P/N 773629) using the following information:

- Flat Rate Code – **EM01 (0.5 hours)**
- Failing Part Number – **9999978**
- Customer Comment Code – 239
- Bulletin Number – 2008-03(W)
- Return with a copy of engine report indicating updated software is installed.

BRP will not accept other labor or parts on the warranty allowance request for this warranty campaign.

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

BRP will credit dealers for repairs performed up to 12 months from the date this bulletin is issued.

Mailing Addresses:

- **U.S. Dealers only —** The address is:

  BRP US Inc. / Outboard Engines Division
  After Sales Support
  P.O. Box 597
  Sturtevant, WI 53177

- **Canadian Dealers —** The address is:

  Bombardier Recreational Products Inc.
  Attn: Service Department
  1789 Stenson Boulevard
  Peterborough, ON Canada K9J7B6

- **Dealers Outside North America —** Contact regional office.

For additional information in U.S. and Canada call 1-800-888-4662. Dealers outside North America should call their regional office.

EVINRUDE Johnson BRP

OUTBOARDS
Warranty Bulletin

W

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: July 1, 2008 **No.** 2008-04(W)

MODELS: 2008 *Evinrude*® *E-TEC*® 90°V6(3.4 L) 250HP Outboards

SUBJECT: Engine Software Update and Impeller Replacement

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of an important *EMM* software update and a required cooling system service procedure. This service update has been developed to improve engine management functions and increases engine longevity. Registered owners of affected outboards will receive notice of this service update.

⚠ WARNING ⚠

Outboards listed below MUST have the revised *EMM* software installed prior to use. Failure to install this revised *EMM* software could result in powerhead failure. Additionally, these outboards MUST have the water pump impeller replaced to reduce the potential of a powerhead overheat.

IMPORTANT: This bulletin contains a new installation procedure for water pump impellers. Do not ignore this procedure.

AFFECTED MODELS

2008 *Evinrude E-TEC* 90°V6 (3.4 L) 250HP Models	
E250DHLSCS	**E250DHXSCS**

Dealers are asked to contact owners of the affected outboards to schedule service appointments for installing the revised *EMM* software and a new water pump impeller.

INSPECTION

Remove the engine cover and inspect the *EMM* for the software and impeller update marks (black ink) as shown. If the marks are present, this update has been performed.

1. Marks 006987

SOFTWARE UPDATE

Log into *DealerPort* (www.dealerport.com).

Click **Engine Software**.

1. Engine Software link 005511

Click **Engine Software Update (maps).**

Click **Evinrude E-TEC - Windows & PDA (maps).**

Click **Engine E-TEC V Block.**

This document can be viewed on the DealerPort™ website at www.dealerport.com

Scroll to the list of software part numbers and locate the appropriate **Software P/N**, based on the horsepower and model suffix.

Horsepower and Model Suffix	Software P/N	Revision (PCN)
250 HP: “SCS”	3030385	5626HO

The latest engine software revision for this model is available online. Note the posted date of the latest software revision. The higher software revision number indicates newer software.

Click **Get Map**. (Save file to a known location.)

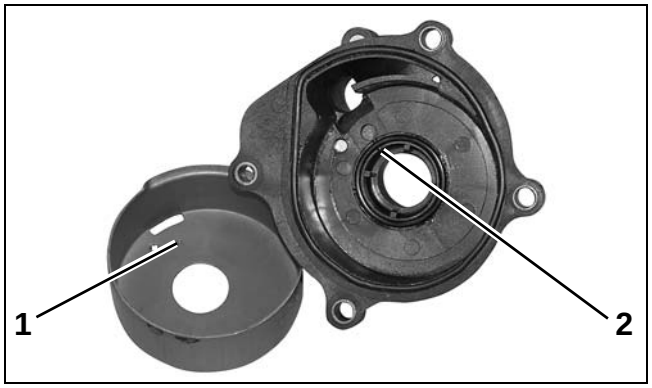
After downloading the file and opening it, the program will extract software into files for use with *Evinrude Diagnostics* software. (Dealers should be using *Evinrude Diagnostics* version 3.0 or higher.)

If you do not have *DealerPort*, e-mail a request for the software to bmca.techsvc@brp.com. In the e-mail subject line, you **must** reference “E-TEC 250 HP 90°V6 (3.4L) Software Map.”

WATER PUMP IMPELLER REPLACEMENT

IMPORTANT: Use a razor knife to carefully score the parting line between the gearcase and exhaust housing. This controls paint breakage.

Refer to service manual. Remove gearcase assembly. Disassemble water pump assembly. Make sure vent hole in impeller cup is open and impeller housing vent is open.



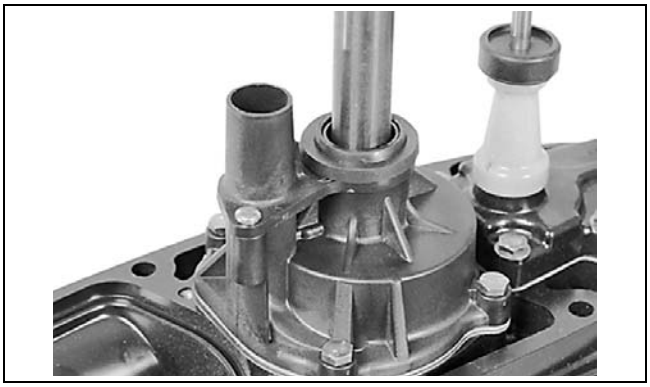
1. Vent hole in impeller cup
2. Impeller housing vent

007077

Assemble water pump with NEW impeller, P/N 5001593; O-ring, P/N 331188; seal, P/N 331353; and gasket, P/N 338484.

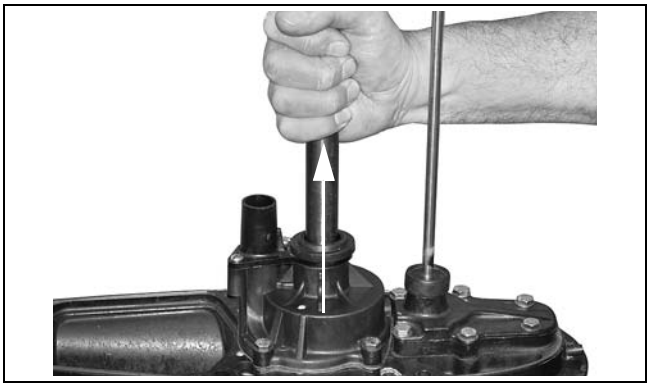
IMPORTANT: Grease inside diameter of impeller bushing and impeller key with *Triple Guard* grease. Follow the service manual procedures.

Once water pump is assembled completely, rotate driveshaft counter clockwise 1/4 turn to unlock and release impeller and key from driveshaft.



31998

Next pull up on driveshaft and turn clockwise to lock impeller to shaft. This process is intended to lock impeller in a slightly lower position on the driveshaft.



007078

Install gearcase assembly on outboard. Refer to 2008 *Evinrude* Service Manual, P/N 5007533. Tighten gearcase mounting screws to a torque of:

- **3/8 in. screws – 26 to 28 ft. lbs. (35 to 38 N·m)**
- **7/16 in. screws – 45 to 50 ft. lbs. (61 to 68 N·m)**

WARNING

Failure to properly tighten all gearcase retaining screws can result in gearcase loss and loss of boat control at high speed.

Remember, water pressure cannot be accurately verified on a hose or flushing attachment. Gearcase must be submerged in water and the water pump assembly must be below the surface of the water.

Start outboard to check water pump operation. Water pressure at IDLE speed (500 RPM) should be 4 P.S.I. or higher (3.4 L models only). If lower water pressure is observed check repair first and contact After Sales Support.

IDENTIFICATION PROCEDURE

Outboards with updates must be easily identified.

Use a BLACK permanent marker to mark the *EMM* as shown below to indicate updates have been performed.

"W" is used to indicate the water pump was serviced and the solid black circle is used to indicate the *EMM* software was updated.

1. "W" mark 006987
2. "Solid black circle" mark

IMPORTANT: It is NOT necessary to perform timing verification after this software is installed.

DEALER RESPONSIBILITY

Please contact all of your customers who have purchased these outboards and schedule service appointments for this service update. Refer to "AFFECTED MODELS" on page 1.

ADDITIONAL INFORMATION

Only authorized service dealers may perform warranty repairs.

Dealers should print an *Evinrude Diagnostics* Engine Report after software is updated. Keep copies of updated engine reports in customer's service file.

Replacement of the complete water pump assembly is not authorized.

IMPORTANT: This warranty campaign requires that the water pump impeller must be returned with an *Evinrude Diagnostics* Engine Report. Return the impeller, a printed Engine Report, and a copy of either the *DealerPort* Campaign Claim Entry screen or Warranty Allowance Request form (P/N 773629) using the ship to address listed on this bulletin. If you are unable to copy or print the *DealerPort* Campaign Claim Entry screen, return the part with a tag containing the *DealerPort* Campaign Claim number, model and serial number and your dealer information. Once the impeller and claim/tag are received, credit will be applied to dealer's P&A account.

Warranty Allowance Request - *DealerPort*

Warranty allowance requests can be filed on *DealerPort* using the *DealerPort* Campaign Claim Entry screen and the failing part number – **9999977.** Dealers will be credited for the campaign entry as follows:

- Flat Rate Code – **EG01 (2.0 hours)** Code includes update and impeller replacement.
- P/N 5001593 impeller kit – Qty 1
- P/N 331188 O-ring – Qty1
- P/N 331353 seal – Qty1
- P/N 338484 gasket – Qty1
- Shipping allowance for returned parts ($4 US)

Warranty Allowance Request Form (P/N 773629)

Dealers without *DealerPort* can submit a printed Warranty Allowance Request (P/N 773629) using the following information:

- Flat Rate Code – **EG01 (2.0 hours)** Code includes update and impeller replacement.
- Failing Part Number – **9999977**
- Customer Comment Code – 239
- Bulletin Number – 2008-04(W)
- P/N 5001593 impeller kit – Qty 1
- P/N 331188 O-ring – Qty1
- P/N 331353 seal – Qty1
- P/N 338484 gasket – Qty1
- Shipping allowance for returned parts ($4 US) will be added by BRP.
- Return with a copy of engine report indicating updated software is installed.

BRP will not accept other labor or parts on the warranty allowance request for this warranty campaign.

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

BRP will credit dealers for repairs performed up to 12 months from the date this bulletin is issued.

Ship to addresses:

- **U.S. Dealers only** – the address is:

  BRP US Inc. / Outboard Engines Division
  After Sales Support
  300 Sea Horse Drive, Dock 5
  Waukegan, IL 60085
- **Canadian Dealers** – the address is:

  Bombardier Recreational Products Inc.
  Attn: Service Department
  1789 Stenson Boulevard
  Peterborough, ON Canada K9J7B6
- **Dealers Outside North America –** Contact regional office.

For additional information in U.S. and Canada call 1-800-888-4662. Dealers outside of North America should call their regional office.

EVINRUDE Johnson BRP

OUTBOARDS
Warranty Bulletin

W

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: July 25, 2008 **No.** 2008-05(W)

MODELS: 2008 & 2009 *Evinrude*® *E-TEC*® 40-90HP Models

SUBJECT: Stator Servicing

Dear *Evinrude/Johnson*® Dealers:

This communication is to provide *Evinrude* and *Johnson* dealers a service tip related to code 17 (55V circuit below range) and stator servicing on late production 2008 and early production 2009 model year *Evinrude E-TEC* 40-90HP outboards.

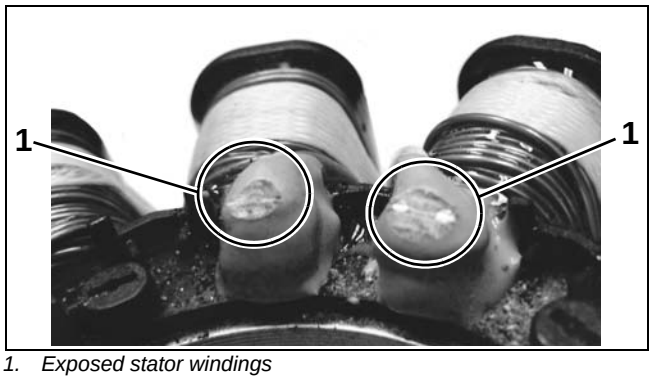
These outboards use a new flywheel, P/N 586964. A limited number of stator failures have been attributed to physical interference between the flywheel and the stator.

The following procedure will help eliminate the possible reoccurrence of this type of failure.

Stator Servicing

Inspect stator for rub marks. Determine if flywheel has come in contact with stator. If flywheel has rubbed stator, identify the extent of the damage.

If interference has exposed stator windings replace the stator and the flywheel.



1. Exposed stator windings

Additional Information

BRP US Inc. will credit dealers for approved warranty repairs performed during the outboard's warranty period.

After the repair has been completed, submit a warranty allowance request for warranty credit.

ONLY authorized servicing dealers may perform the warranty service. Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

BRP will credit dealers for repairs performed up to 12 months from the date this bulletin is issued.

Warranty Allowance Requests

Warranty claims can be filed on *DealerPort* stator and flywheel replacement and must include the following information:

- Flat Rate Code – **E103** (2.0 hours)
- Failing Part – **Flywheel, P/N 586964**

Dealers without *DealerPort* can submit a standard warranty claim form.

North American Dealers must complete a warranty allowance request form, P/N 773629, and return it with the damaged stator and flywheel to:

- **U.S. Dealers only** – the address is:

  BRP US Inc. / Outboard Engines Division
  After Sales Support
  300 Sea Horse Drive
  Waukegan, IL 60085

- **Canadian Dealers** – the address is:

  Bombardier Recreational Products Inc.
  Attn: Service Department
  1789 Stenson Boulevard
  Peterborough, ON Canada K9J7B6

Dealers outside North America can call their regional office for more information.

This document can be viewed on the DealerPort™ website at www.dealerport.com

EVINRUDE Johnson BRP

OUTBOARDS
Warranty Bulletin

W

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: October 31, 2008 **No.** 2008-06(W)

MODELS: 2008/2009 *Evinrude*® *E-TEC*® 90°V6 (3.4 L) 250 H.O. and 300HP Outboards

SUBJECT: Engine Software Update

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of an important *EMM* software update. This software update has been developed to improve Code 17; 55 Volt Circuit Below Expected Range detection and protects the engine from low voltage which can adversely affect engine management systems. Registered owners of affected outboards will receive notice of this service update.

CODE 17 INFORMATION

When code 17 is set, it indicates:
- the 55 volt circuit is less than 45 volts from 500 to 1000 RPM, or
- the 55 volt circuit is less than 52 volts above 1000 RPM

Audible and Visual warnings and *S.A.F.E.* activation accompany code 17.

Troubleshooting Code 17:
- Use the appropriate service manual and perform Stator and Charging System tests. Replace faulty component.
- If tests do NOT indicate a faulty component contact After Sales Support, before further testing. Dealers outside North America, contact your regional office.

Notes:
- Code 17 may be difficult to reproduce due to battery size, excessive accessory electrical draw or engine rpm.
- Sometimes no other codes are set or stored. Any 55 volt component, or the engine wiring harness could potentially cause this issue.

⚠ WARNING

Outboards listed below MUST have the revised *EMM* software installed prior to use. Failure to install this revised *EMM* software could result in powerhead failure.

AFFECTED MODELS

Model Year	Horsepower and Model Suffix	Affected Serial Numbers
2008	250 H.O. / 300 HP (3.4 L) SCS	ALL
2009	250 H.O. (3.4 L) SEC / SES	below S/N 5244161
2009	300 HP (3.4 L) SEC	

IMPORTANT: Contact owners of the affected outboards to schedule service appointments for installing this revised *EMM* software.

250 H.O. and 300 HP (3.4 L) outboards and replacement powerheads with model suffix SEF are NOT affected by this bulletin.

INSPECTION

Inspect shipping carton label. Look for the software update mark (red dot) as shown. If the mark is present, updated software has been installed.

1. Red mark 007110

This document can be viewed on the DealerPort™ website at www.dealerport.com

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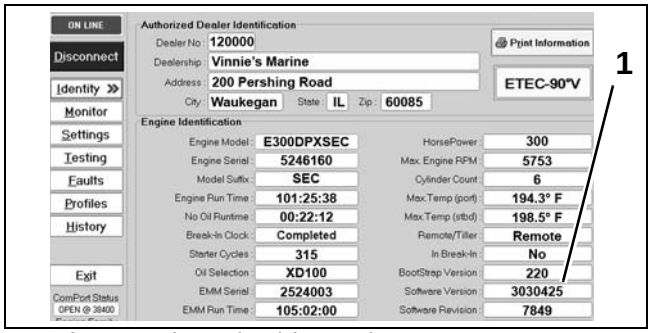
Remove the engine cover and inspect the *EMM* for two software update marks (black ink) as shown. If the marks are present, updated software has been installed.

1. Two marks 006987

If only one mark is present, use *Evinrude Diagnostic* software to confirm engine software.



1. Software version and revision numbers

If software revision number is the same or higher than the software revision number in the chart below, the software update has been done. Skip to IDENTIFICATION PROCEDURE.

PROCEDURE

Log into *DealerPort* (www.dealerport.com). Dealers outside North America may subscribe to *BossWeb*.

Click **Engine Software**.

1. Engine Software link 005511

Click **Engine Software Update (maps).**

Click **Evinrude E-TEC - Windows & PDA (maps).**

Click **Engine E-TEC V Block.**

Scroll to the list of software part numbers and locate the appropriate **Software P/N**, based on the horsepower and model suffix.

Horsepower and Model Suffix	Software P/N	Revision (PCN)
250 H.O. SCS	3030385	7953
250 H.O. SEC / SES	3030424	7848
300 HP SCS	3030420	7954
300 HP SEC	3030425	7849

The latest engine software revision for this model is available online. Note the posted date of the latest software revision. The higher software revision number indicates newer software.

Click **Get Map**. (Save file to a known location.)

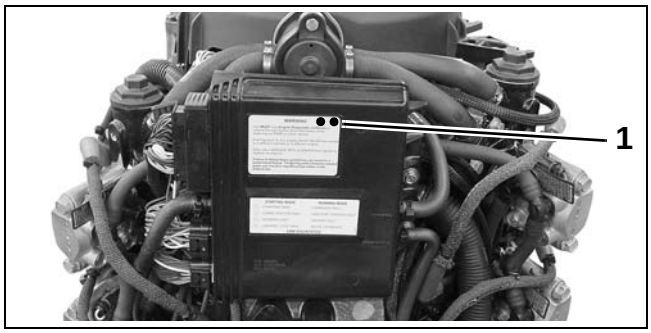
After downloading the file and opening it, the program will extract software into files for use with *Evinrude Diagnostics* software. (Dealers should be using *Evinrude Diagnostics* version 3.2 or higher.)

IDENTIFICATION PROCEDURE

Outboards with updated software must be easily identified.

Previously updated engines may have one black dot. When this update is completed, the *EMM* should have TWO black dots as shown below.

Use a BLACK permanent marker to mark the *EMM* and indicate updated software has been installed.



1. Two marks 006987

IMPORTANT: It is NOT necessary to perform timing verification after this software is installed.

DEALER RESPONSIBILITY

Contact all of your customers who have purchased these outboards and schedule service appointments for installing this beneficial *EMM* software. Refer to “AFFECTED MODELS” on page 1.

ADDITIONAL INFORMATION

ONLY Authorized servicing Dealers may perform warranty repairs.

Dealers should print an *Evinrude Diagnostics* Engine Report after software is updated. Keep copies of updated engine reports in customer’s service file.

Warranty Allowance Request - *DealerPort*

Warranty allowance requests should be filed on *DealerPort* using the *DealerPort* Campaign Claim Entry screen and the failing part number – **9999979.** Dealers will be credited for campaign entry as follows:

- Flat Rate Code – **EM01 (0.5 hours)**

Warranty Allowance Request Form (P/N 773629)

Dealers may submit a printed Warranty Allowance Request (P/N 773629) using the following information:

- Flat Rate Code – **EM01 (0.5 hours)**
- Failing Part Number – **9999979**
- Customer Comment Code – 239
- Bulletin Number – 2008-06(W)
- Return with a copy of engine report indicating updated software is installed.

BRP will not accept other labor or parts on the warranty allowance request for this warranty campaign.

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

BRP will credit dealers for repairs performed up to 12 months from the date this bulletin is issued.

Mailing Addresses:

- **U.S. Dealers only —** The address is:

  BRP US Inc. / Outboard Engines Division
  After Sales Support
  P.O. Box 597
  Sturtevant, WI 53177

- **Canadian Dealers —** The address is:

  Bombardier Recreational Products Inc.
  Attn: Service Department
  1789 Stenson Boulevard
  Peterborough, ON Canada K9J7B6

- **Dealers Outside North America —** Contact regional office.

For additional information in U.S. and Canada call 1-800-888-4662. Dealers outside North America should call their regional office.

EVINRUDE® Johnson® | BRP

OUTBOARDS
Warranty Bulletin

W
SAFETY CAMPAIGN

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

⚠WARNING: All involved customers must be notified, all involved units must be corrected as per instructions herein

Date: December 5, 2008 **No.** 2008-07(W)

MODELS: 2008–09 *Evinrude*® *E-TEC*® 40, 50, and 60 HP DTL (tiller electric) outboard models below serial number 5253702; and, 2004 to 2009 40 through 115 HP *Evinrude E-TEC* outboard models with an installed tiller kit only.

SUBJECT: Start Switch Repair

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of a required repair to tiller arm start switch assemblies.

Registered owners of affected outboards will receive a letter instructing them to return their outboard to an authorized *Evinrude* or *Johnson* dealer to complete this service.

AFFECTED MODELS AND KITS

ALL affected outboard models, tiller kits, electric start kits, and service start switch assemblies mentioned below must be repaired to ensure safe operation.

Any outboard with a tiller kit or electric start kit mentioned below installed must also be serviced.

IMPORTANT: DO NOT sell, deliver, use, or connect the battery on any affected outboards or kits until this repair has been completed.

Models

Model Year	Horsepower and Outboard Models	Serial Numbers
2008	40 / 50 / 60 DTLSC	ALL
2009	40 / 50 / 60 DTLSE	Below 5253702

Kits

Kit P/N	Kit Type	Models/HP
5005543	Tiller Kit	40 – 60
5006552	Tiller Kit	40 – 60
5007118	Tiller Kit	40 – 60
5007127	Tiller Kit	40 – 60
5007578	Tiller Kit	40 – 60
5005579	Tiller Kit	75 / 90
5005777	Tiller Kit	75 / 90
5006188	Tiller Kit	75 / 90
5006551	Tiller Kit	75 / 90
5007116	Tiller Kit	75 / 90
5007117	Tiller Kit	75 / 90
5007125	Tiller Kit	75 / 90
5007126	Tiller Kit	75 / 90
5007075	Tiller Kit	115
5007076	Tiller Kit	115
5007557	Tiller Kit	115
5007558	Tiller Kit	115
5005580	Electric Start Kit	40DRL
586827	Start Switch Ay	40 – 90
586935	Start Switch Ay	40 – 115

PROBLEM

On some of the above listed outboard models, the internal contact of the push-button start switch assembly on the tiller handle may become loose. If this happens, the electric starter could crank unexpectedly.

The outboard could start if:
- The lanyard is attached, **and**
- The key switch is ON, **and**
- The shift handle is in NEUTRAL.

Even if the engine does not start, the propeller could rotate if the electric starter cranks **and** the outboard is in gear. This could result in serious injury to the operator, passengers or people nearby.

Correction

To correct the problem, Cover/Contact Assy, P/N 391306, must be replaced with P/N 587056.

This document can be viewed on the DealerPort™ website at www.dealerport.com

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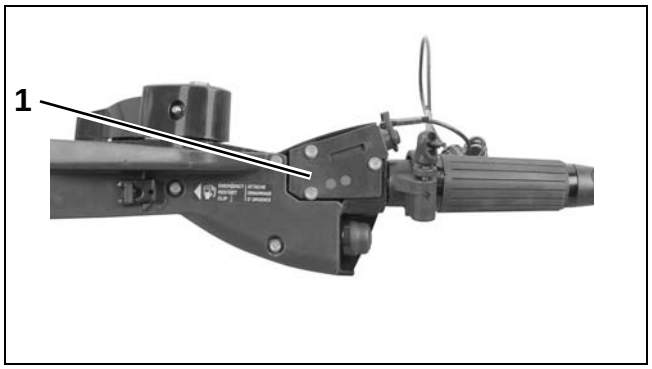
INSPECTION

Inspect the tiller arm for start switch repair mark as shown:

- If two blue dots are present, repair has already been completed.
- If no mark, or only one dot, is present, start switch must be repaired.

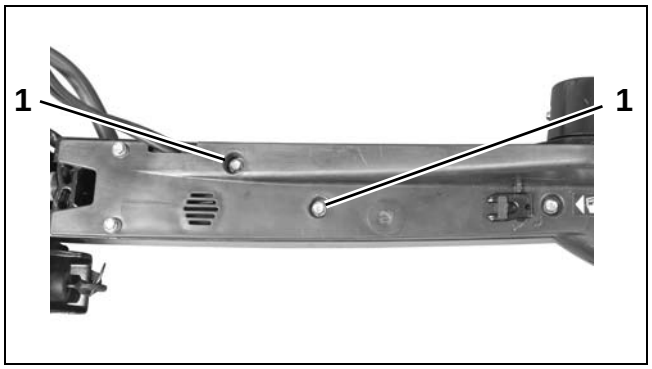


1. Two blue dots 007132

PROCEDURE

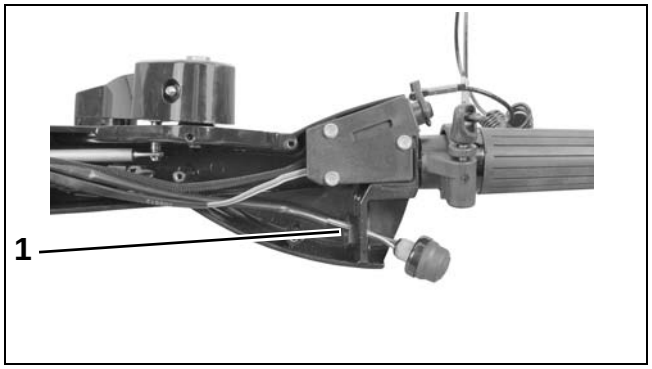
Disconnect the battery cables at the battery.

Remove seven screws and bottom cover of tiller handle.



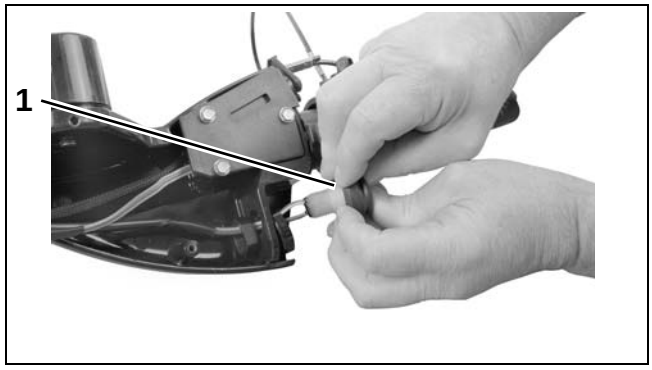
1. Cover screw 006566

Remove tie straps as required and loosen start switch retaining nut. Pull start switch from tiller arm housing.



1. Retaining nut 007133

Slide back the retaining ring (if equipped) and remove Cover/Contact assembly from start switch.

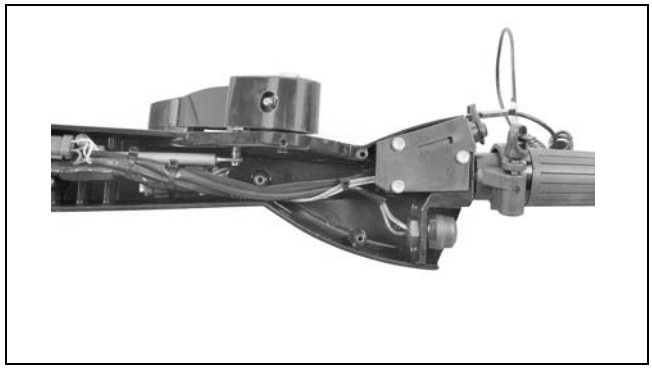


1. Cover and Contact assembly 007134

Install replacement assembly, P/N 587056. Secure cover with retaining ring (if equipped) and install start switch into tiller arm housing.

Tighten the retaining nut to a torque of 24 to 36 in. lbs (2.7 to 4 N·m).

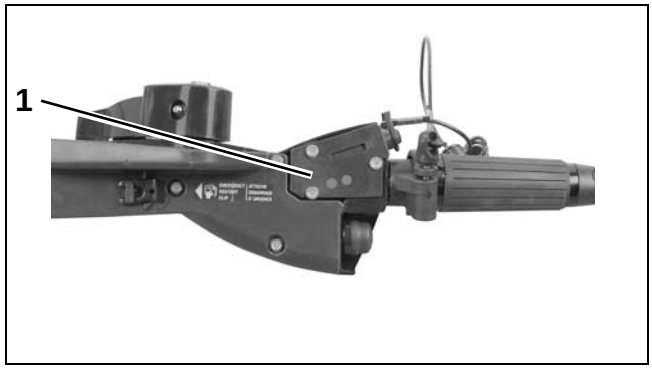
Install tie straps and route wires as shown before installing lower cover.



007135

IDENTIFICATION PROCEDURE

Use a BLUE permanent marker, or paint, to mark the tiller handle with two blue dots to indicate that the start switch has been repaired.



1. Two blue dots 007132

DEALER RESPONSIBILITY

All dealers, as part of a distribution chain, **CARRY A RESPONSIBILITY TO NOTIFY THE CUSTOMER** of any safety related concern and correct the problem properly.

Please contact all of your customers who have purchased or operate an affected outboard or kit and schedule service appointments to perform this repair.

Warranty allowance requests for this campaign CANNOT be filed on *DealerPort*.

Dealers **MUST** submit a printed Warranty Allowance Request (P/N 773629) using the following information:

- Flat Rate Code – **TB01 (0.5 hours)**
- Failing Part Number – **9999980**
- Customer Comment Code – 239
- Bulletin Number – 2008-07(W)

The old Cover and Contact assembly MUST be returned with the Warranty Allowance Request.

BRP will not accept other labor or parts on the warranty allowance request for this warranty campaign.

Complete documentation of repair is required for reporting program progress to the U.S.C.G.

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database. A $5.00 allowance for returning parts is included.

BRP will credit dealers for repairs performed up to 12 months from the date this bulletin is issued.

Mailing Addresses:

- **U.S. Dealers only —** The address is:

BRP US Inc. / Outboard Engines Division
After Sales Support
P.O. Box 597
Sturtevant, WI 53177

- **Canadian Dealers —** The address is:

Bombardier Recreational Products Inc.
Attn: Service Department
1789 Stenson Boulevard
Peterborough, ON Canada K9J7B6

- **Dealers Outside North America —** Contact regional office.

For additional information in U.S. and Canada, call 1-800-888-4662. Dealers outside North America should call their regional office.

EVINRUDE E-TEC | BRP

OUTBOARDS

WARRANTY

Bulletin

Suggested Routing:

☐ Service ☐ Sales ☐ Parts

SAFETY CAMPAIGN

⚠ WARNING All involved customers must be notified, all involved units must be corrected as per instructions herein.

Date: May 20, 2009 **No.** 2009-01(W)

MODELS: 2009 *Evinrude* ® *E-TEC* ® 25-30 HP DPL and DEL outboard models below serial number 8751149

SUBJECT: Start in Gear

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of a required repair to the start in gear protection system.

Registered owners of affected outboards will receive a letter instructing them to return their outboard to an authorized *Evinrude* or *Johnson* dealer to complete this service.

AFFECTED MODELS

ALL affected outboard models, must be repaired to ensure safe operation.

IMPORTANT: DO NOT sell, deliver, or use any affected outboards until this repair has been completed.

.**Models**

Model Year	Horsepower and Outboard Models	Serial Numbers
2009	E25DPL, E25DEL E30DPL, E30DEL	Below 8751149

PROBLEM

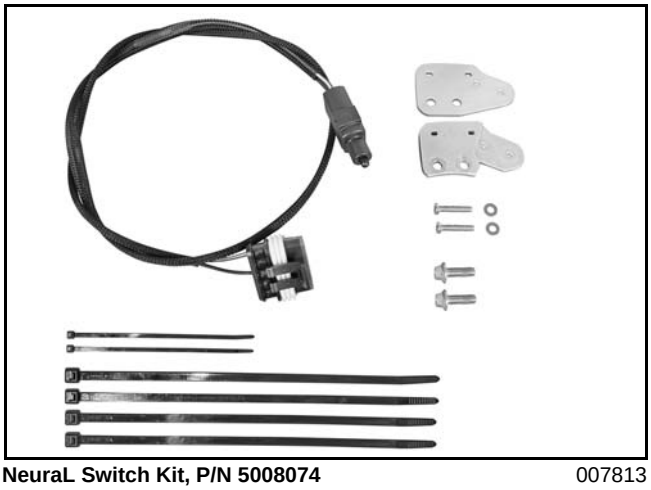
The listed outboard models, could start in gear when set up as a remote model if:

- The control box is in gear (forward or reverse), **and**
- The key switch is ON, **and**
- The recoil starter is pulled.

Starting in gear will result in a rotating propeller which will put the boat in motion. Contact with a rotating propeller to a person nearby is likely to result in serious injury or death.

Corrective Action

To correct the problem, Neutral Switch Kit, P/N 5008074, must be installed, and engine management software MUST be updated.

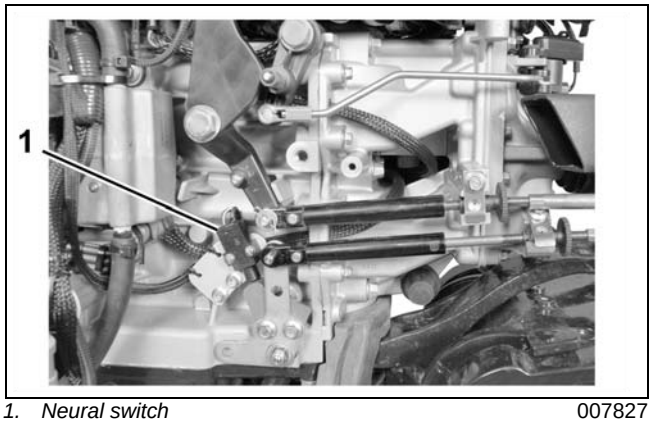


NeuraL Switch Kit, P/N 5008074 007813

355017

INSPECTION

Inspect the outboard for neutral switch as shown:
- If the neutral switch is present, repair has already been completed.
- If the neutral switch is not present, the outboard must be repaired. Order and install Neutral Switch Kit, P/N 5008074.

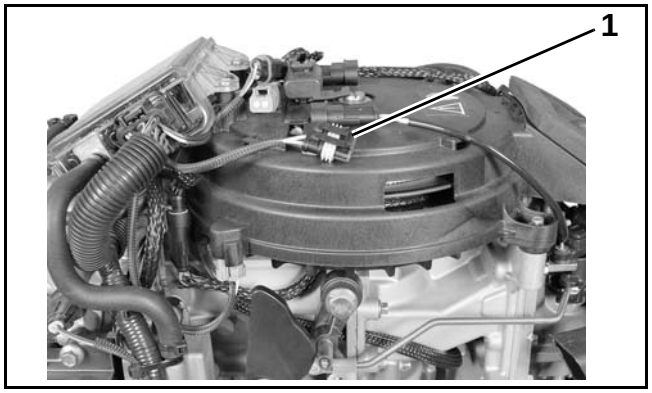


1. Neural switch 007827

PROCEDURE

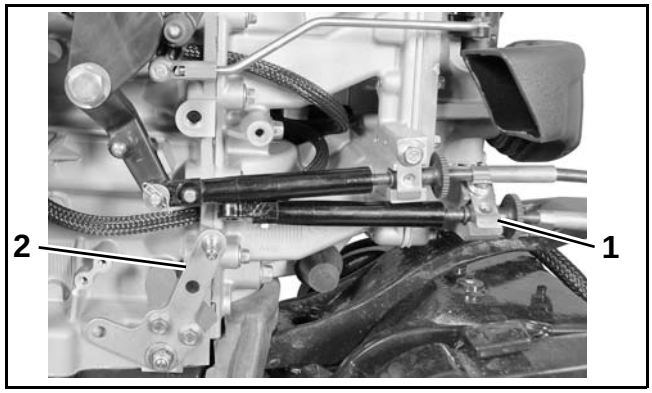
Disconnect the battery cables at the battery.

Disconnect Crankshaft Position Sensor (CPS) connector to prevent engine from starting.



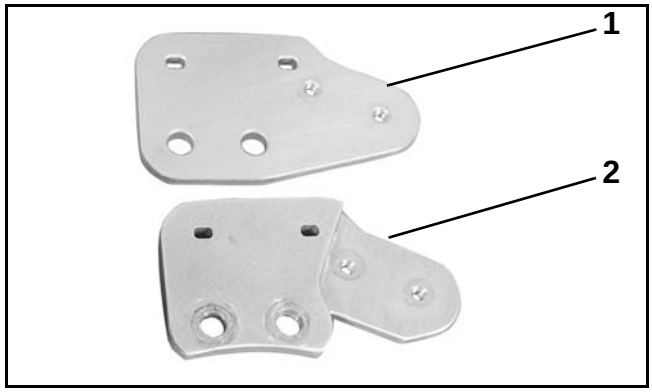
1. CPS connector 007814

Loosen shift cable retainer and disconnect shift cable from shift lever.



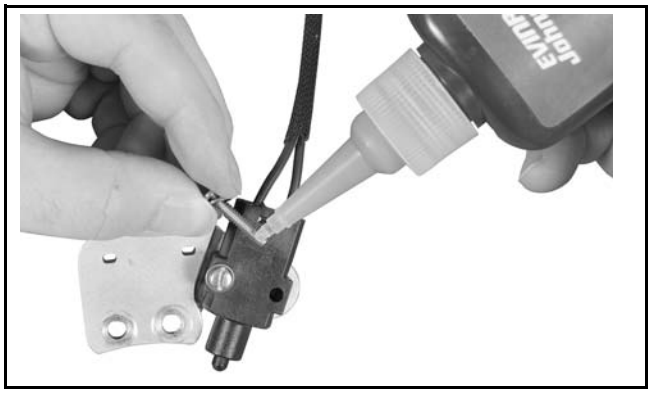
1. Retainer 007815
2. Shift lever

Select correct neutral switch bracket from kit:
- For serial number 8750338 and higher, use neutral switch bracket, P/N 354619.
- For serial number 8750337 and lower, use neutral switch bracket, P/N 354733.



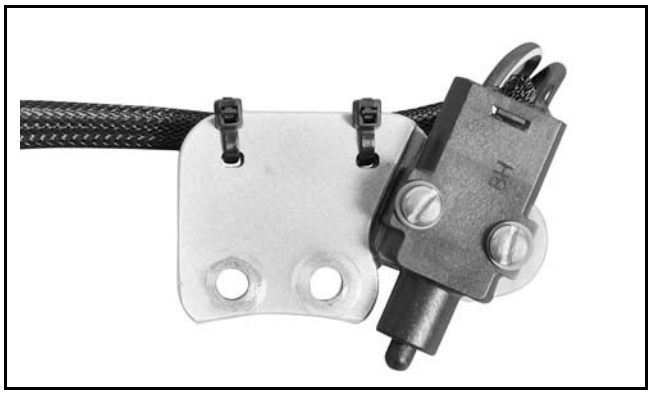
1. Neutral switch bracket, P/N 354619 007816
2. Neutral switch bracket, P/N 354733

Place #6 washers, on #6 screws. Apply *Nut Lock* to screw threads and mount neutral switch to bracket. Tighten screws to a torque of 7 to 10 in. lbs (0.8 to 1.1 N·m).



007817

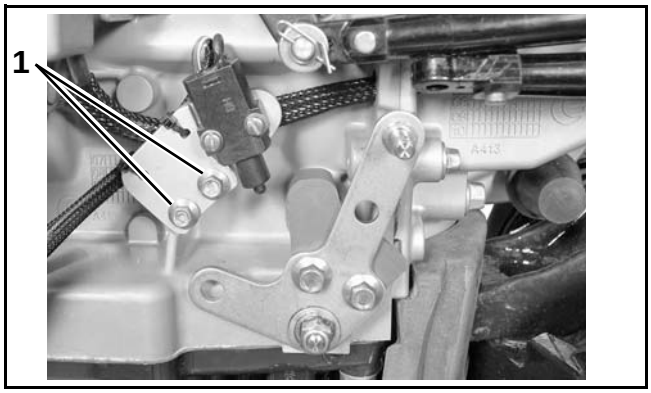
Route switch wires behind bracket and secure with two 4 inch (101 mm) tie straps as shown.



007818

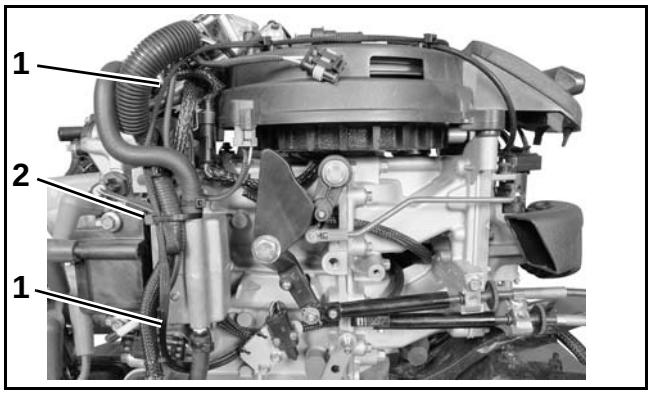
Turn propeller and shift engine into FORWARD gear.

Use two M5 x 12 screws to install neutral switch bracket to cylinder / crankcase. Leave screws loose at this time.



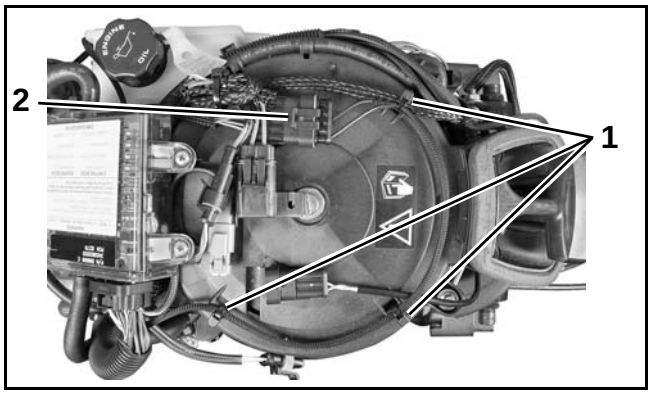
1. *M5 x 12 screws* 007820

Route neutral switch wiring and secure with 7 inch (178 mm) tie straps as shown.



1. *Neutral switch wiring* 007821
2. *Tie strap*

Secure harness to starter housing with 7 inch (178 mm) tie straps. Connect neutral switch connector and slide onto retainer as shown.

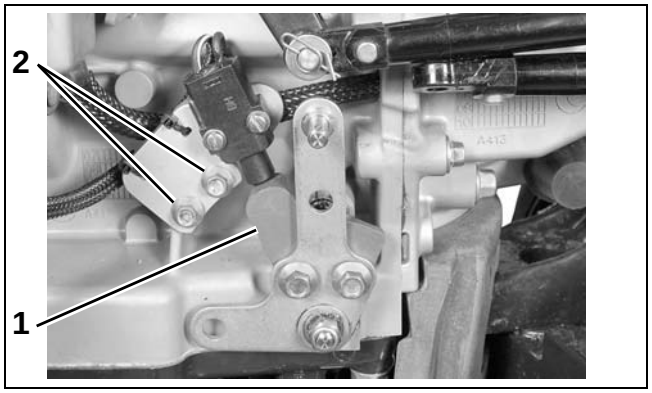


1. *Tie straps* 007822
2. *Connector*

Turn propeller and shift engine into NEUTRAL position as shown.

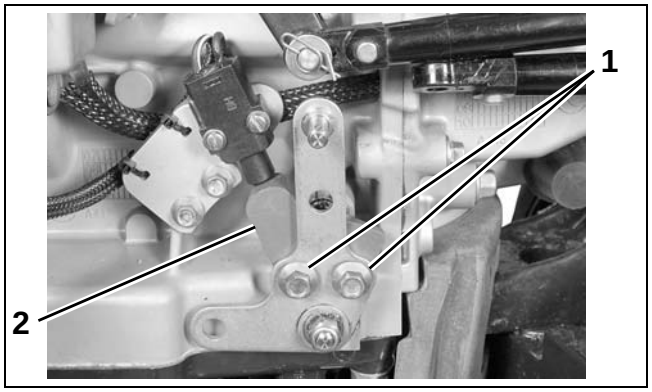
Center neutral switch on shift lever detent.

Hold neutral switch bracket in position and tighten neutral switch bracket screws to a torque of 35 to 60 in. lbs. (4 to 6.8 N·m).



1. Shift lever detent 007823
2. Neutral switch bracket screws

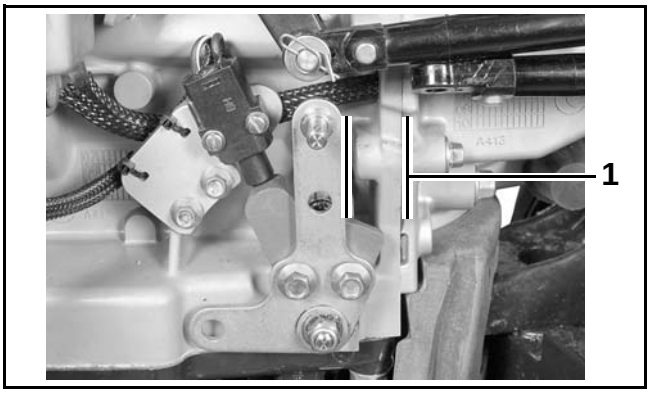
Loosen both shift lever adjustment screws. Make sure shift lever detent is in NEUTRAL position.



1. Shift lever screws 007823
2. Shift lever detent

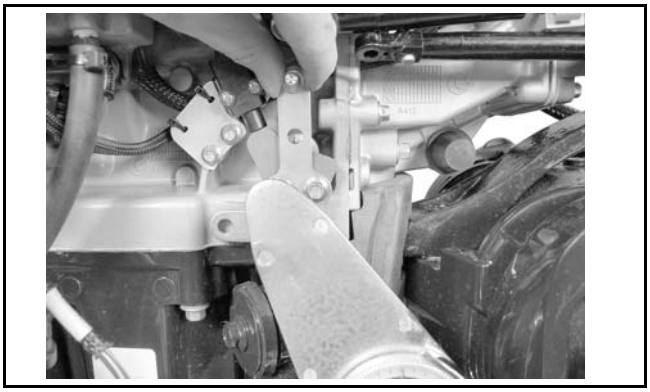
Remove the left shift lever adjustment screw. Clean the threads and apply *Nut Lock.*

Adjust the shift lever parallel to the crankcase split line as shown. Reinstall the shift lever adjustment screw.



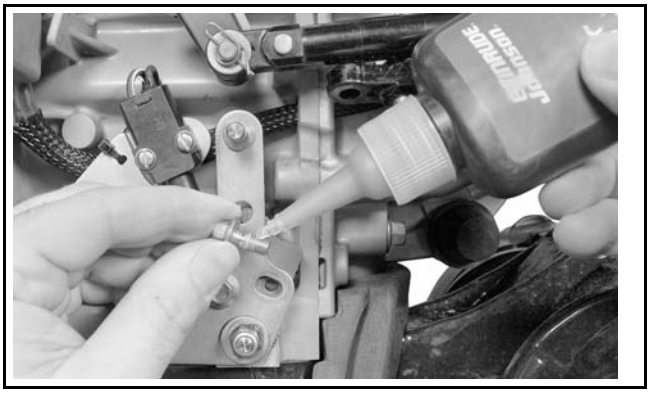
1. Shift lever parallel to crankcase split line 007823

Hold the shift lever in position and tighten screw to a torque of 80 to 106 in. lbs. (9 to 12 N·m).



007824

Remove the right shift lever adjustment screw. Clean the threads and apply *Nut Lock*. Reinstall and tighten screw to a torque of 80 to 106 in. lbs. (9 to 12 N·m).

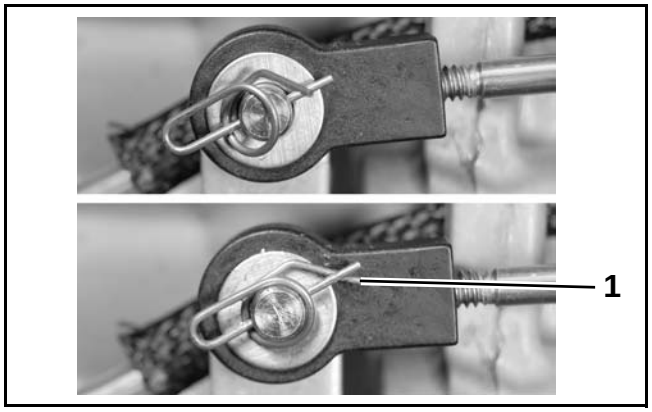


007825

Install the shift cable casing guide over the shift lever pin. Place washer over shift lever pin and secure with clip.

For proper installation, review the following steps:

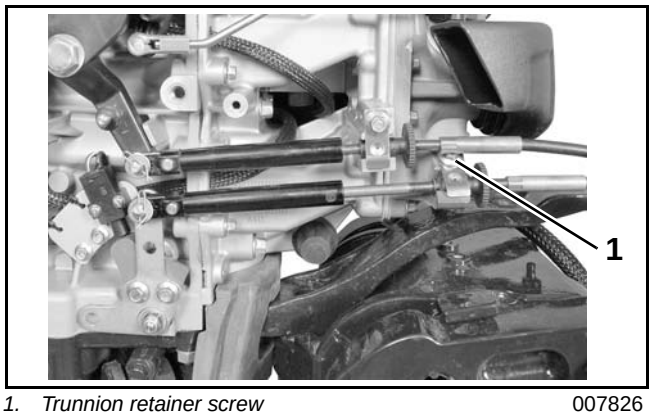
- Place washer on shift lever pin.
- Position retainer clip with straight section on the bottom and angled section on the top.
- Use long nose pliers to insert straight section of clip into shift lever pin hole.
- Push the clip towards the hole while lifting on the curved end with the pliers.
- Be sure retainer clip fully engages the shift lever pin.
- Lock the retainer by moving the angled section **behind** the straight section.



1. Angled section behind straight section 7064
7065

Make sure remote control is in NEUTRAL.

Adjust the shift cable trunnion to align with the center of the trunnion block. Tighten trunnion retainer screw to a torque of 60 to 84 in. lbs. (7 to 9.5 N·m).



1. Trunnion retainer screw 007826

Turn the propeller and shift the remote control into FORWARD gear. Confirm the shift lever and gearcase are in FORWARD gear.

Turn the propeller and shift the remote control into REVERSE gear. Confirm the shift lever and gearcase are in REVERSE gear.

Return the remote control lever to NEUTRAL and confirm the shift lever and gearcase are in NEUTRAL.

Connect CPS connector. Install starboard lower motor cover. Connect battery cables at the battery.

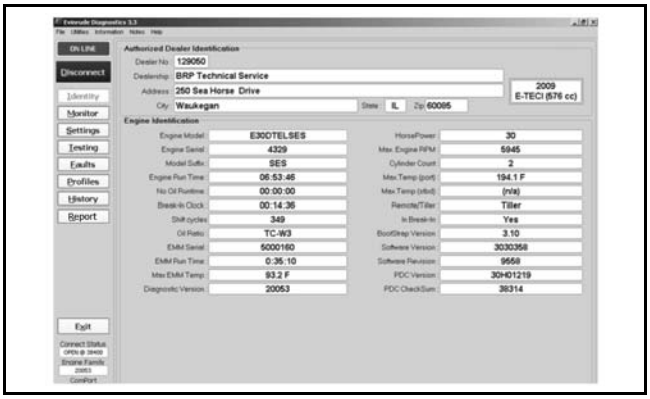
SOFTWARE UPDATE PROCEDURE

Use *Evinrude Diagnostics* software to view the "Identity Screen."

Record the engine management software version and revision numbers.

Save and print an "Engine Identity Report."

Note: A record of original engine management software (version and revision numbers) and new engine management software MUST be recorded and retained with your service records. This information MUST be submitted with all Warranty Allowance Requests.



1. Identity screen 007387

Log into *DealerPort* (www.dealerport.com).

Click **Engine Software**.

1. Engine software 007823

Click **Engine Software Update (maps)**.

Click **Evinrude E-TEC - Windows & PDA (maps)**.

Click **Engine E-TEC Inline 25 - 90 HP**.

Scroll through the list of Software Version Numbers.

Locate the Software Version Number, based on the horsepower and model suffix.

Compare the software revision number in *EMM* to the Software Revision Number posted online.

If the posted Software Revision Number is different than the *EMM* Software Revision Number, the software may be updated.

A higher Software Revision Number usually indicates newer software.

Click **Get Map**. (Save file to a known location.)

After downloading the file and opening it, the program will extract software into files for use with Evinrude Diagnostics software. Use Evinrude Diagnostics version 3.3 or higher.

If *DealerPort* is not available, e-mail a request for the software to bmca.techsvc@brp.com.

In the e-mail subject line, you must reference "E-TEC 25-30 HP Software."

Use *Evinrude Diagnostics* software to install the update on the outboard.

Check the "Identity Screen" to confirm the correct version and revision numbers are installed.

Save and print a second "Engine Identity Report."

CHECK START IN GEAR PROTECTION

Start outboard and shift to FORWARD.

Turn outboard OFF while control is in FORWARD.

Try to restart the outboard. Outboard should not start.

Turn key switch to ON position.

Try to restart the outboard with the **recoil starter**. Outboard should not start.

Shift back to NEUTRAL and restart outboard.

Shift to REVERSE. Turn outboard OFF while control is in REVERSE.

Try to restart the outboard. Outboard should not start.

Turn key switch to ON position.

Try to restart the outboard with the **recoil starter**. Outboard should not start.

DEALER RESPONSIBILITY

All dealers, as part of a distribution chain, **CARRY A RESPONSIBILITY TO NOTIFY THE CUSTOMER** of any safety related concern and correct the problem properly.

Please contact all of your customers who have purchased or operate an affected outboard and schedule service appointments to perform this repair.

File warranty allowance requests for this campaign on *DealerPort*. From the "Warranty Claims" menu, use option 4, "Campaign Claim Entry. "

If *DealerPort* is not available, dealers may submit a printed Warranty Allowance Request, P/N 773629.

Use the following information for all Warranty Allowance Requests:

- Flat Rate Code - NS01 (1.0 hour)
- Failing Part Number - 9999982
- Customer Comment Code - 239
- Bulletin Number - 2009-01(W)
- Details of failure and correction MUST include:
- Old software version and revision numbers (example: 30301234, 12345)
- New software version and revision numbers (example: 30301234, 56789)

BRP will not accept other labor or parts on the warranty allowance request for this warranty campaign.

Complete documentation of repair is required for reporting program progress to the United States Coast Guard and Transport Canada.

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

Mailing Addresses:

U.S. Dealers – The address is:

BRP US Inc. / Outboard Engines Division
After Sales Support
P.O. Box 597
Sturtevant, WI 53177

Canadian Dealers – The address is:

BRP US Inc. / Outboard Engines Division
After Sales Support
P.O. Box 597
Sturtevant, WI 53177

Dealers Outside North America – Contact your regional office.

For additional information in U.S. and Canada, call 1-800-888-4662. Dealers outside North America should call their regional office.

EVINRUDE E-TEC | BRP

OUTBOARDS

WARRANTY

Bulletin

Suggested Routing:

☐ Service ☐ Sales ☐ Parts

SAFETY CAMPAIGN

⚠ **WARNING All involved customers must be notified, all involved units must be corrected as per instructions herein.**

Date: May 20, 2009 **No.** 2009-02(W)

MODELS: 2004-2010 *Evinrude*® *E-TEC*® 40 HP DRL models; 2005 *Evinrude E-TEC* 60 HP WDR models; and 2008-2010 *Evinrude E-TEC* 65 HP WDR models, below serial number 5261353.

SUBJECT: Start in Gear

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of a required repair to the start in gear protection system.

Registered owners of affected outboards will receive a letter instructing them to return their outboard to an authorized *Evinrude* or *Johnson* dealer to complete this service.

AFFECTED MODELS

ALL affected outboard models, must be repaired to ensure safe operation.

Affected outboards are:

All outboards with serial numbers listed in the Models table that have been converted for remote control operation.

AND

ALL 40 - 65 HP DRL and WDR (rope start models which if converted to remote control operation), MUST be set to "Tiller Mode" at all times.

IMPORTANT: DO NOT sell, deliver, or use any affected outboards until this repair has been completed.

Models

Model Year	Horsepower and Outboard Models	Serial Numbers
2004 -2010	E40DRL	Below 5261353
2005	E60WDR	
2008 - 2010	E65WDR	

PROBLEM

The above listed outboard models, could start in gear when set up as, or converted to a remote control model if:

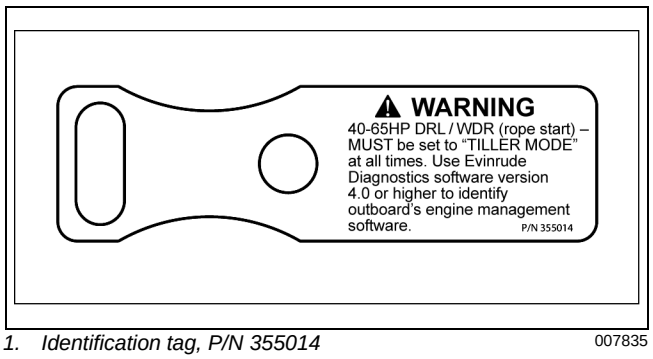
- The control box is in gear, **and**
- The key switch is ON, **and**
- The recoil starter is pulled.

Starting in gear will result in a rotating propeller which will put the boat in motion. Contact with a rotating propeller to a person nearby is likely to result in serious injury or death.

355027

Corrective Action

- To correct the problem use Evinrude Diagnostics software, version 4.0 or higher to set the steering type to "Tiller Mode"
- Install Identification tag, P/N 355014 to alert all service personnel that these models must always be set to "Tiller Model" regardless of control type.

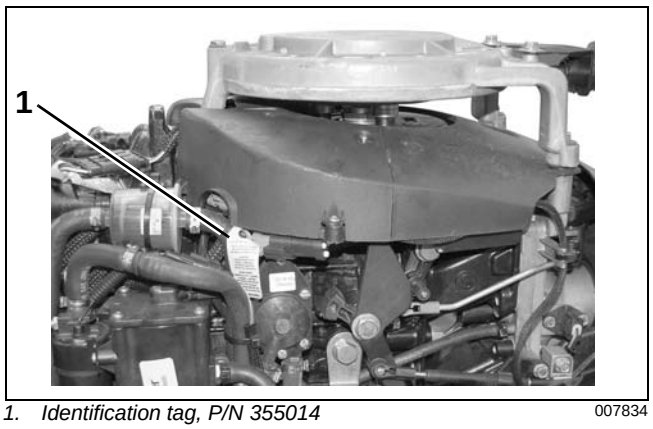


1. Identification tag, P/N 355014 007835

INSPECTION

Inspect the outboard for identification tag as shown:

- If identification tag, P/N 355014 is present, repair has already been completed.
- If the identification tag is not present, the outboard must be repaired. Order Identification Tag, P/N 355014.



1. Identification tag, P/N 355014 007834

PROCEDURE

You MUST use *Evinrude Diagnostics* software, version 4.0 or higher, which can be downloaded from DealerPort (www.dealerport.com).

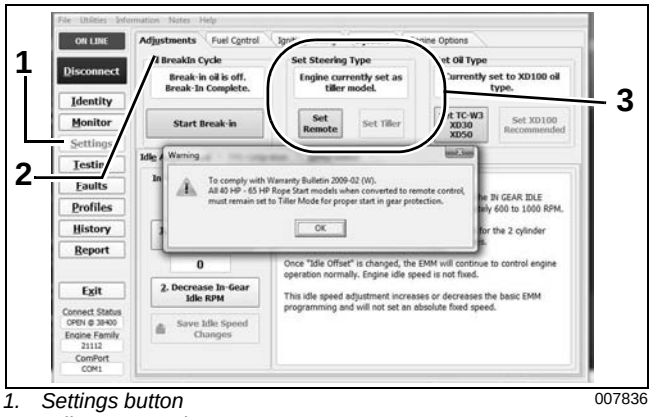
Press the "Settings" button.

Click the "Adjustments" tab.

Verify "Set Steering Type" reads "Engine currently set as tiller model."

If needed, press the "Set Tiller" button to change.

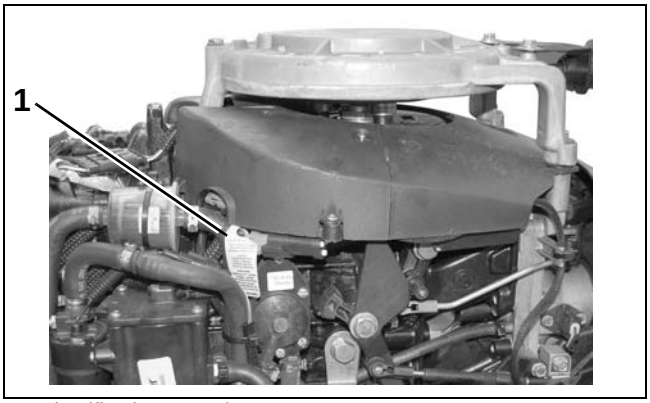
When the Engine Management Module (*EMM*) software is set to "Tiller Model" the engine mounted neutral switch is utilized for start in gear protection.



1. Settings button
2. Adjustments tab
3. Set Steering Type

007836

Install Identification Tag, P/N 355014 on the diagnostic connector as shown.



1. Identification tag, P/N 355014 007834

CHECK START IN GEAR PROTECTION

Start outboard and shift to FORWARD.

Turn outboard OFF while control is in FORWARD.

Try to restart the outboard. Outboard should not start.

Turn key switch to ON position.

Try to restart the outboard with the **recoil starter**. Outboard should not start.

Shift back to NEUTRAL and restart outboard.

Shift to REVERSE. Turn outboard OFF while control is in REVERSE.

Try to restart the outboard. Outboard should not start.

Turn key switch to ON position.

Try to restart the outboard with the **recoil starter.** Outboard should not start.

DEALER RESPONSIBILITY

All dealers, as part of a distribution chain, **CARRY A RESPONSIBILITY TO NOTIFY THE CUSTOMER** of any safety related concern and correct the problem properly.

Please contact all of your customers who have purchased or operate an affected outboard and schedule service appointments to perform this repair.

File warranty allowance requests for this campaign on *DealerPort*. From the "Warranty Claims" menu, use option 4, "Campaign Claim Entry."

If *DealerPort* is not available, dealers may submit a printed Warranty Allowance Request, P/N 773629.

Use the following information for all Warranty Allowance Requests:

- **Flat Rate Code - EM02 (0.5 hour)**
- **Failing Part Number - 9999983**
- **Customer Comment Code - 239**
- **Bulletin Number - 2009-02(W)**

BRP will not accept other labor or parts on the warranty allowance request for this warranty campaign.

Complete documentation of repair is required for reporting program progress to the United States Coast Guard and Transport Canada.

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

Mailing Addresses:

U.S. Dealers – The address is:

BRP US Inc. / Outboard Engines Division
After Sales Support
P.O. Box 597
Sturtevant, WI 53177

Canadian Dealers – The address is:

BRP US Inc. / Outboard Engines Division
After Sales Support
P.O. Box 597
Sturtevant, WI 53177

Dealers Outside North America – Contact your regional office.

For additional information in U.S. and Canada, call 1-800-888-4662. Dealers outside North America should call their regional office.

EVINRUDE E-TEC | BRP

OUTBOARDS

WARRANTY

Bulletin

SAFETY CAMPAIGN

Suggested Routing:

☐ Service ☐ Sales ☐ Parts

⚠ **WARNING All involved customers must be notified, all involved units must be corrected as per instructions herein.**

Date: May 20, 2009 **No.** 2009-03(W)

MODELS: 2008-2010 *Evinrude*® *E-TEC*® 40-90 HP outboard models from serial number 5234342 to 5261350 and service replacement vapor separator, P/N 5007661.

SUBJECT: Vapor Separator Repair

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of a required repair to the outboard's fuel system. The vapor separator must be inspected and replaced as outlined.

Registered owners of affected outboards will receive a letter instructing them to return their outboard to an authorized *Evinrude* or *Johnson* dealer to complete this service.

AFFECTED MODELS AND SERVICE REPLACMENT PARTS

Affected outboards are:

1.Outboards with the serial numbers listed in the Models table, that have not been factory reworked. Factory reworked outboards can be identified as indicated. Refer to **IDENTIFICATION** on page 2.

AND

2.Outboards with service replacement vapor separator, P/N 5007661, listed in the Service Replacement Vapor Separator table.

ALL affected outboard models, must be repaired to ensure safe operation.

IMPORTANT: DO NOT sell, deliver, or use any affected outboards or service replacement vapor separators, P/N 5007661 that you have in your parts inventory, until this repair has been completed.

Models

Model Year	Horsepower and Outboard Models	Serial Numbers
2008 - 2010	E40DRL, E40DTL, E40DPL, E40DSL	5234631 to 5261350
	E50DTL, E50DPL, E50DSL	
	E60DTL, E60DPL, E60DSL	
	E65WDRL, E65WDRY	
	E75DPL, E75DSL	5234342 to 5261350
	E90DPL, E90DSL, E90DPX	
	E90WDEL, E90WDEX	

Service Vapor Separators

Model Year	Horsepower and Outboard Models
2008 -2010 using P/N 5007661	E40DRL, E40DTL, E40DPL, E40DSL
	E50DTL, E50DPL, E50DSL
	E60DTL, E60DPL, E60DSL
	E65WDRL, E65WDRY
2004 -2010 using P/N 5007661	E75DPL, E75DSL
	E90DPL, E90DSL, E90DPX
	E90WDEL, E90WDEX

Note: Vapor separator, P/N 5006085, which serviced 2006 and 2007 40 through 90HP models is NOT affected by this bulletin. See "IDENTIFICATION."

PROBLEM

The vapor separator on affected outboards may not vent fuel vapors properly due to corrosion of the needle valve assembly of the vapor separator, which could result in a fuel leak.

⚠ WARNING

A fuel leak when combined with an ignition source, could result in a fire or explosion and present a risk of serious personal injury to the operator, passengers, and bystanders.

Corrective Action

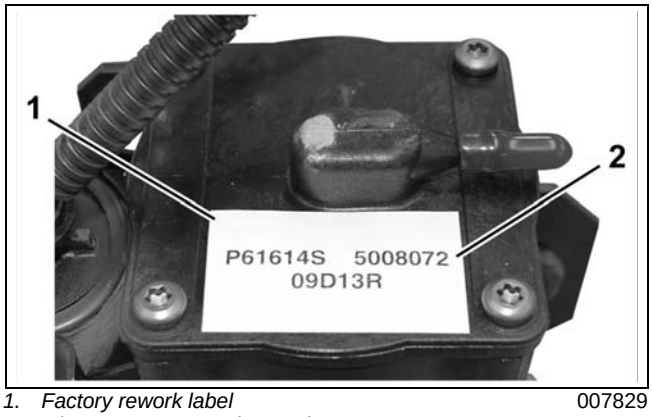
- If the vapor separator is installed on an outboard, install a new vapor separator, P/N 5008072. Replace inline fuel filter, P/N 5007335, to minimize further fuel contamination. Submit a printed Warranty Allowance Request, P/N 773629.
- Inspect your parts inventory for replacement vapor separator, P/N 5007661. If you have P/N 5007661 in your parts inventory, it MUST be returned for credit. Submit a printed Warranty Allowance Request, P/N 773629.

IDENTIFICATION

Inspect the vapor separator as follows:

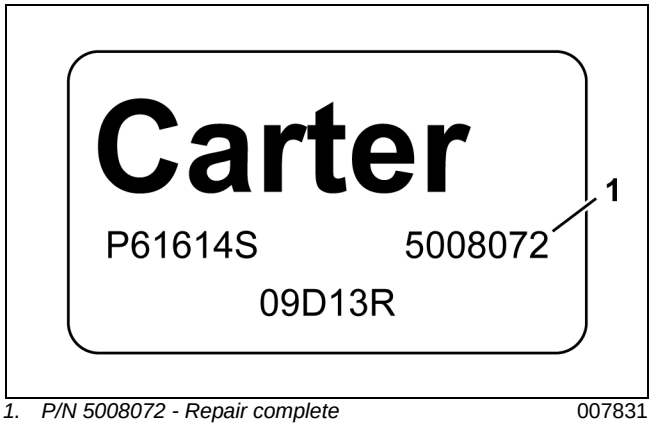
1. Vapor Separator 007828

If a label indicating P/N 5008072 is present on the vapor separator top, and the label on the side of the vapor separator has a black line through the old part number, a factory rework has been completed. No repair is needed.



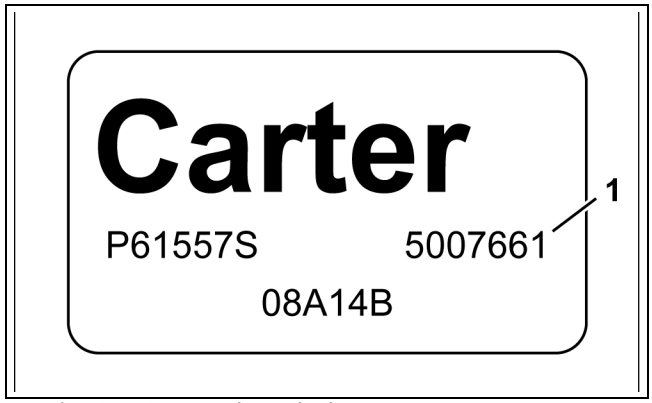
1. Factory rework label 007829
2. P/N 5008072 - Repair complete

If the label on the side of the vapor separator indicates P/N 5008072, the repair has been completed.



1. P/N 5008072 - Repair complete 007831

If the label on the vapor separator top is not present, or the label on the side of the vapor separator indicates P/N 5007661, the outboard must be repaired. Order and install the required parts. See Required Parts."



1. P/N 5007661 - Repair required 007831

REQUIRED PARTS

Part Number	Name of Part	Qty
5008072	Vapor Separator	1
348839	Hose Clamp, 17mm	3
320107	Tie Strap	3
5007335	Fuel Filter Kit	1

PROCEDURE

IMPORTANT: Use the appropriate service manual as reference when servicing each affected outboard.

⚠ WARNING

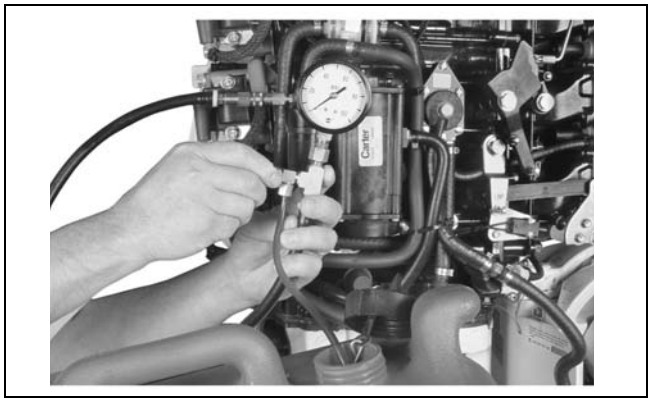
Use caution when working on any pressurized fuel system. Wear safety glasses and work in a well ventilated area. Extinguish all smoking materials and make certain no open flames or ignition sources exist. Failure to properly relieve fuel system pressure can result in spraying fuel and/or excessive fuel spillage during servicing. Fuel is flammable and can be explosive under certain conditions.

Disconnect the battery cables at the battery.

Remove starboard lower motor cover.

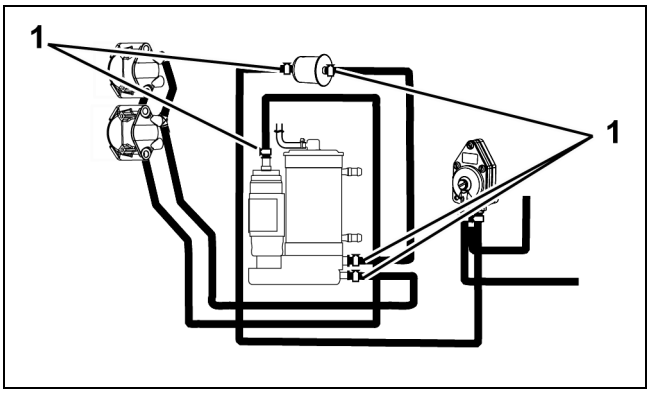
Relieve fuel system pressure prior to removing fuel filter and vapor separator.

Remove and properly dispose of fuel filter. Remove vapor separator and follow return procedure.



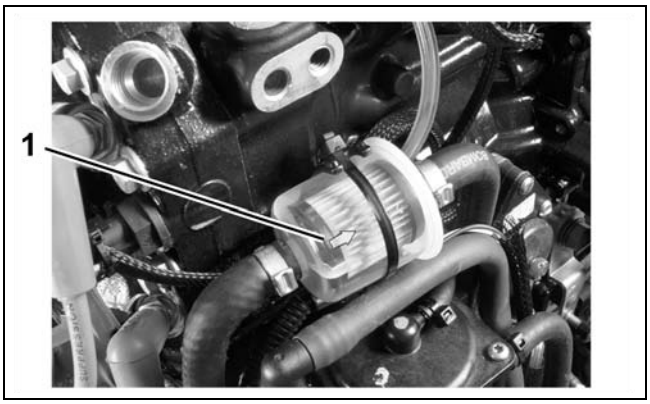
1. Vapor Separator 005012

Install new vapor separator. Install all hoses and manifolds to original locations and secure with appropriate clamps. Oetiker† clamps must be secured using Oetiker pliers, P/N 350860.



1. Oetiker clamps 002148

Position filter in fuel supply hoses. Note arrow indicating direction of fuel flow. Secure filter with Oetiker clamps. Install tie strap to position filter as shown. DO NOT overtighten tie strap as to deform filter housing.



1. Arrow 002192

Squeeze primer bulb to prime fuel system. Hold pressure on bulb and check for fuel leaks. Repair all leaks.

Reinstall lower motor covers, refer to service manual for installation procedure. Tighten screws to a torque of 24 to 36 in. lbs. (3 to 4 N·m).

Connect battery cables. Run outboard and check for fuel leaks. Repair all leaks.

⚠ WARNING

Failure to check for fuel leakage could allow a leak to go undetected, resulting in fire or explosion.

Drain fuel from vapor separator. Install protective caps to seal defective vapor separator for shipping.

Pack defective vapor separator in heavy zip lock type bags prior to packaging for return.

007833

DEALER RESPONSIBILITY

All dealers, as part of a distribution chain, **CARRY A RESPONSIBILITY TO NOTIFY THE CUSTOMER** of any safety related concern and correct the problem properly.

Please contact all of your customers who have purchased or operate an affected outboard and schedule service appointments to perform this repair.

A printed Warranty Allowance Request, P/N 773629, MUST be submitted along with the **defective vapor separator**. Use the following information for:

Vapor separator installed on an outboard:
- **Flat Rate Code –** FV01 (1.0 hour)
- **Failing Part Number –** 9999981
- **Customer Comment Code –** 239
- **Bulletin Number –** 2009-03(W)

Vapor separator from parts inventory:
- **Failing Part Number –** 9999981
- **Customer Comment Code –** 239
- **Bulletin Number –** 2009-03(W)

BRP will not accept other labor or parts on the warranty allowance request for this warranty campaign.

Complete documentation of repair is required for reporting program progress to the United States Coast Guard and Transport Canada.

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

Credit for labor and/or 15% handling credit will be issued only when the warranty allowance request form and required part is returned.

Returning Parts:

U.S. Dealers only – The address is:

BRP US Inc. / Outboard Engines Division
After Sales Support
300 Sea Horse Drive, Dock 5
Waukegan, IL 60085

Canadian Dealers only – The address is:

Centre de pieces de garantie BRP
BRP Warranty Parts Center
565, de la Montagne
Valcourt, QC J0E 2L0

Dealers Outside North America – Contact your regional office.

For additional information in U.S. and Canada, call 1-800-888-4662. Dealers outside North America should call their regional office.

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OUTBOARDS
WARRANTY
Bulletin

W

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

Date: October 14, 2009 **No.** 2009-04(W)

MODELS: 2009 & 2010 Model Year
Evinrude® E-TEC® 25/30HP Outboards
(Tiller Equipped Models Only)

SUBJECT: Software Update for *Touch Troll*™
(Idle Speed Control)

Dear *Evinrude/Johnson®* Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of an important *EMM* software update. This software update for *Evinrude® ETEC®* 25/30 HP tiller equipped models with *Touch Troll* has been developed to improve engine management functions and eliminates inconsistencies in the idle speed control.

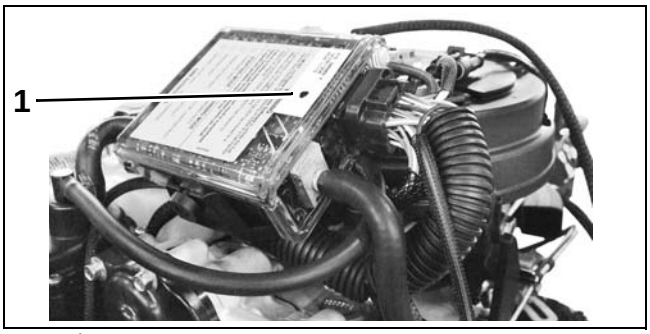
AFFECTED MODELS

Model Year	Horsepower and Model Suffix	Affected Serial Numbers
2009 and 2010	*Evinrude E-TEC* 25 / 30 HP Tiller Equipped Models with *Touch Troll*	5292501 to 5293395 AND 8750027 to 8755515

Please contact customers who have purchased the affected outboards and request they schedule this warranty update. Affected outboards in stock should have the update software installed **before** delivering to customers.

INSPECTION

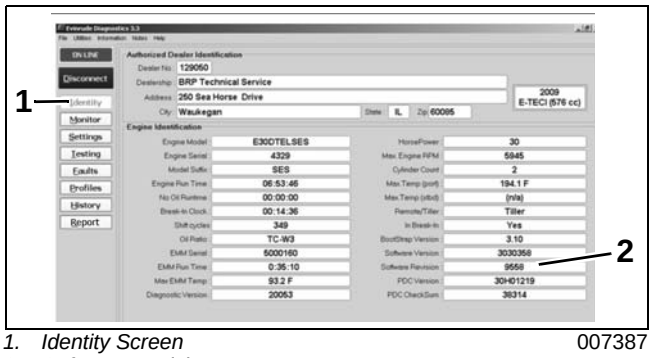
Remove the engine cover and inspect the *Engine Management Module* (*EMM)* for the software update mark (black ink) as shown. If the mark is present, updated software has been installed.



1. Mark 007980

SOFTWARE UPDATE PROCEDURE

Use *Evinrude Diagnostics* software to view the "Identity Screen." Record the engine management software version and revision numbers



1. Identity Screen 007387
2. Software Revision

Save and print an "Engine Identification Report."

A record of original engine management software (version and revision numbers) and the new engine management software (version and revision numbers) MUST be recorded and retained with your service records.

Compare the software revision number in the outboard's *EMM* to the software revision number listed in the following table. If the software revision number in the *EMM* is lower, update the *EMM*

software to a revision number listed in the table or the latest revision available online for this model.

Horsepower and Model Suffix	Software P/N	Revision (PCN)
25 HP: SES, ISC	3030411	13224
30 HP: SES, ISC	3030358	13223

Log into *DealerPort* (www.dealerport.com).

Click **Engine Software**.

1. Engine Software link 005511

Click **Engine Software Update (maps).**

Click **Evinrude E-TEC Windows & PDA (maps).**

Click **Evinrude E-TEC In-line 25 HP – 90 HP.**

Scroll to the list of software part numbers. Locate the appropriate **Software P/N**, based on the horsepower and model suffix. Please note the update date for the software revision listed online.

Click **Get Map**. (Save file to a known location.)

After downloading the file and opening it, the program will extract software into files for use with *Evinrude Diagnostics* software.

Always use the latest version of *Evinrude Diagnostics* software to install the *EMM* software update in the outboard. *Evinrude Diagnostics v*ersion 4.4 is presently available online.

If *DealerPort* or *BossWeb* is not available, send a request for software to bmca.techsvc@brp.com. Reference “E-TEC 25-30HP Software” in the subject line of the e-mail.

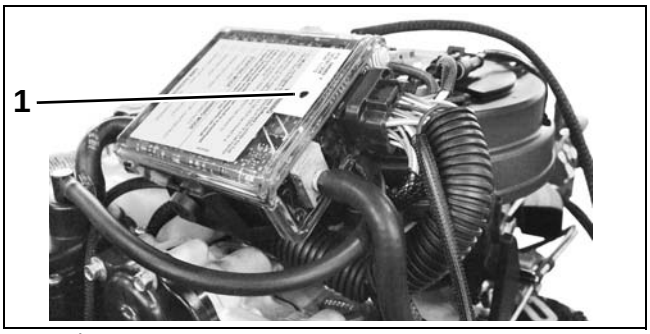
Check the “Identity Screen” to confirm the correct software version and revision numbers are listed.

Save and print a second “Engine Identification Report.”

IDENTIFICATION PROCEDURE

Outboards with updated software must be easily identified.

Use a BLACK permanent marker to mark the *EMM* as shown below to indicate updated software has been installed.



1. Mark 007980

DEALER RESPONSIBILITY

Contact all of your customers who have purchased these outboards and schedule service appointments for installing this beneficial *EMM* software. Refer to AFFECTED MODELS.

ADDITIONAL INFORMATION

ONLY Authorized servicing Dealers may perform warranty repairs.

Dealers should print an *Evinrude Diagnostics* Engine Report after software is updated. Keep copies of updated engine reports in customer’s service file.

Warranty Allowance Request - *DealerPort*
Warranty allowance requests should be filed on *DealerPort* using the *DealerPort* Campaign Claim Entry screen and the failing part number – **9999985.** Dealers will be credited for campaign entry as follows:

- Flat Rate Code – **EM01 (0.5 hours)**

Warranty Allowance Request Form
(P/N 773629)
Dealers may submit a printed Warranty Allowance Request (P/N 773629) using the following information:

- Flat Rate Code – **EM01 (0.5 hours)**
- Failing Part Number – **9999985**
- Customer Comment Code – 239
- Bulletin Number – 2009-04(W)
- Return with a copy of engine report indicating updated software is installed.

BRP will not accept other labor or parts on the warranty allowance request for this warranty campaign.

Labor will be paid in accordance with the established warranty labor rates listed in the current dealer warranty database.

BRP will credit dealers for repairs performed up to 12 months from the date this bulletin is issued.

Mailing Addresses:

- **U.S. and Canadian Dealers —** Address is:

  BRP US Inc. / Outboard Engines Division
  After Sales Support
  P.O. Box 597
  Sturtevant, WI 53177

- **Dealers Outside North America —** Contact regional office.

For additional information in U.S. and Canada call 1-800-888-4662. Dealers outside North America should call their regional office.

EVINRUDE® E-TEC® | BRP

OUTBOARDS

WARRANTY

Bulletin

Suggested Routing:

☐ Service ☐ Sales ☐ Parts

Date: December 2, 2009 **No.** 2009-05(W)

MODELS: 2010 *Evinrude*® *E-TEC*® 90°V6 (3.3 L) 225 HP (H.O. models) and (3.4 L) 250 HP (H.O. models) and 300 HP Outboards

SUBJECT: Fuel Injector Replacement

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of an important warranty campaign which requires the verification of fuel injector serial numbers and possible fuel injector replacement on certain 2010 *Evinrude E-TEC* 90°V6 (3.3 L) 225 HP (H.O. models) and (3.4 L) 250 HP (H.O. models) and 300 HP outboards. BRP is recommending all affected engines, globally, be inspected or repaired.

PROBLEM

An internal component of the fuel injector involved in providing fuel flow could fail causing interruption of fuel flowing from the fuel injector or causing a possible increase in fuel flowing from the fuel injector; in either case the performance and running quality of the engine has been shown to significantly degrade to the point where the engine will need to be serviced.

Additionally, in North America, this notice is sent to you in accordance with the requirements of the U.S. Environmental Protection Agency (EPA). BRP US, Inc. (BRP) is conducting a voluntary recall of some Model Year 2010 Evinrude outboard engines sold in the United States. As defined in Title 40 of the Code of Federal Regulations, as a manufacturer, BRP is required to correct engines that may be emitting pollutants in excess of the Federal emission standards. These emission standards were established to protect the public health or welfare from air pollution. This issue can be corrected by replacing the affected fuel injectors on the listed outboard models.

Registered owners of affected outboards in North America will receive a letter instructing them to return their outboard to an authorized *Evinrude* or *Johnson* dealer to complete this service.

⚠ CAUTION

Outboards listed may require the replacement of the fuel injector(s) if the serial numbers on these fuel injector(s) are within a CERTAIN serial number range. Failure to replace fuel injector(s) on these engines can result in unexpected performance loss and excess engine emissions.

AFFECTED MODELS

Model Year	Displacement and Horsepower	Model Number	Affected Serial Number Range
2010	3.3 L / 225 HP (H.O. Models)	E225DHLIS E225HSLIS E225DHXIS	5261728 to 5268293
2010	3.4 L / 250 HP (H.O. Models)	E250DHLIS E250HSLIS E250DHXIS	5261659 to 5268346
2010	3.4 L / 300 HP	ALL Models	

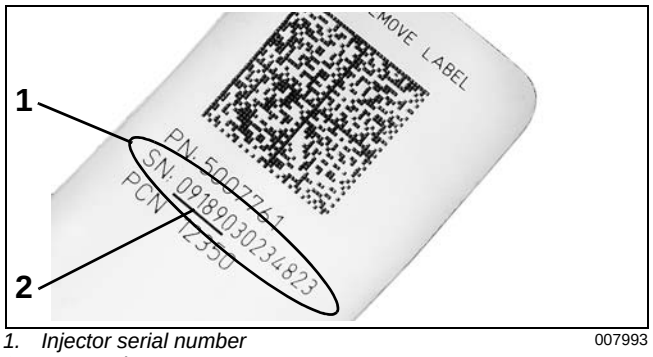
INJECTOR SERIAL NUMBERS

IMPORTANT: This warranty campaign only applies to the 2010 *Evinrude E-TEC* 90°V6 outboards listed under AFFECTED MODELS.

Identify ALL fuel injectors on affected models. Check the 14 digit injector serial number and note the first five (5) digits of the serial number. The first five (5) digits of the serial number indicate a date code. Injectors with date codes between “09111“

355320

and “09210” are the only injectors to be replaced under this campaign.



1. Injector serial number 007993
2. Date code

Replace fuel injectors on affected models if date code of the fuel injector is between “09111“ and “09210”.

Do not use fuel injectors from dealer stock with date codes between “09111“ and “09210” for this warranty campaign.

IDENTIFICATION PROCEDURE

Affected models with replacement injectors installed must be easily identified. Use a BLACK permanent marker to mark the injector serial number labels of the updated or inspected injectors.

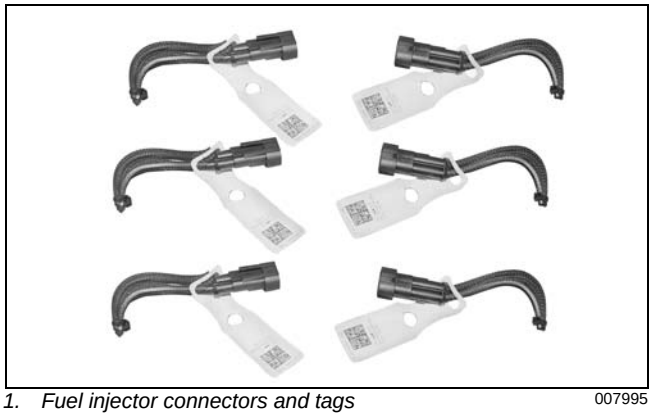
1. Mark 007994

FUEL INJECTOR REPLACEMENT

Refer to the FUEL COMPONENT SERVICING section of the *Evinrude E-TEC Service Manual (*2009 or 2010 model year).

When the repair is completed, you will be required to return the fuel injector wiring and tags.

DO NOT cut any injector wiring on old injectors until you are sure the injector has been identified as being an affected component. After the new fuel injectors are installed and the repair is complete, cut the injector wires on the old injector. Cut the wires as close as possible to the injector housing. Return ONLY the wires with electrical connectors and serial number tags. DO NOT return old fuel injectors. Adhere to all applicable local, state, and EPA regulations when disposing of the old fuel injectors.



1. Fuel injector connectors and tags 007995

DEALER RESPONSIBILITY

Contact all of your customers who have purchased or operate an affected outboard and schedule service appointments to perform this repair. After inspection, order the required replacement fuel injector(s) for all affected engines. See AFFECTED MODELS.

Affected outboards in inventory should have the inspection and necessary repairs completed **before** delivery to customers.

ONLY authorized servicing dealers may perform warranty repairs.

Dealers should print an *Evinrude Diagnostics* Engine Report after injectors are replaced. Include engine report with Warranty Allowance Request. Keep copies of updated engine reports with service records.

Use this warranty campaign to submit warranty allowance requests on engines listed as AFFECTED MODELS. Do not use this warranty campaign to submit normal warranty allowance requests.

WARRANTY ALLOWANCE REQUESTS

Submit a Warranty Allowance Request form for replacing fuel injector(s).

Credit will be applied in accordance with established warranty rates listed in the current dealer warranty database.

(Continued on next page.)

DealerPort Users

Dealers normally using DealerPort must mail the completed Warranty Allowance Request form (P/N 773629) and include the following information with the Warranty Allowance Request (Service Campaign Claim):

- Flat Rate Code – **FR01** (1.5 hours) for first injector
- Flat Rate Code – **FR02** (.4 hours) for each additional injector
- Failing Part Number – **9999984**
- Customer Comment Code – **239**
- Warranty Bulletin Number – **2009-05(W)**
- Include a copy of engine report (use *Evinrude Diagnostics* 4.4 or later)) indicating all of the replacement fuel injector are installed
- Include all old fuel injector connectors and all old fuel injector serial number tags.

BRP will not accept other labor or parts on the warranty allowance request for this service campaign.

Credit for labor and parts will be issued after the Warranty Allowance Request form and the required parts are returned.

BOSSWeb Users

Dealers using BossWeb must include the following information with the Service - Campaign Claim (Warranty Allowance Request):

- Use Campaign Number 5243
- Mail a copy of engine report (use *Evinrude Diagnostics*) indicating all of the replacement fuel injectors are installed
- Mail all old fuel injector connectors and all old fuel injector serial number tags with the requested copy of engine report.

Mailing Addresses:

- **U.S. Dealers only —** The address is:

BRP US Inc.
300 Sea Horse Drive, Dock 5
Waukegan, IL 60085

Attn: Outboard Warranty

- **Canadian Dealers —** The address is:

Centre de pieces de garantie BRP
BRP Warranty Part Center
565, de la Montagne
Valcourt, QC J0E L0J

Attn: Outboard Warranty

- **Dealers Outside North America —** Contact your regional office.

For additional information in U.S. and Canada call 1-800-888-4662. Dealers outside of North America should call their regional office.

EVINRUDE E-TEC | BRP

OUTBOARDS

WARRANTY

Bulletin

Suggested Routing:

☐ Service ☐ Sales ☐ Parts

Date: February 16, 2010 **No.** 2010-01(W)

MODELS: 2010 *Evinrude*® *E-TEC*® 75 HP, 90 HP, 115 HP and 130HP Outboards

SUBJECT: Trim and Tilt Hydraulic Assembly Replacement

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of a warranty campaign which requires the inspection and possible replacement of the trim and tilt hydraulic assembly on certain 2010 *Evinrude E-TEC* 75 HP, 90 HP, 115 HP and 130 HP outboards. BRP recommends all affected engines be repaired.

PROBLEM

A mis-machined trim and tilt manifold can lead to accelerated wear, resulting in leak down of the trim and tilt hydraulic assembly.

AFFECTED MODELS

Model Year	Horsepower	Model Number	Affected Serial Numbers
2010	75HP	E75DPLISF E75DSLISF	See Serial Number List
	90HP	E90DPLISF E90DPXISF E90DSLISF	
	115 HP	E115DPLISF E115DSLISF E115HSLISF	
	130 HP	E130DPLISF E130DSLISF	

INSPECTION

IMPORTANT: This warranty campaign only applies to the 2010 *Evinrude E-TEC* outboards listed under AFFECTED MODELS.

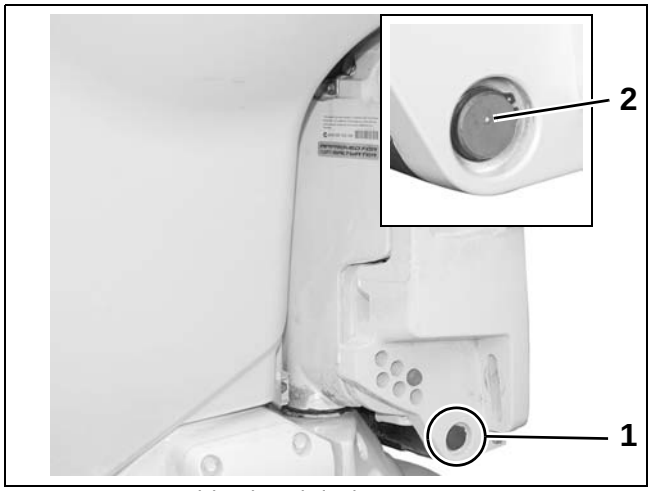
Inspect the trim and tilt hydraulic assembly to determine if repair is required:

- Confirm engine serial number is included on **SERIAL NUMBER LIST**. **See pages 3 and 4**.
- Tilt engine to full UP position.
- Check the top of the trim and tilt motor for a white paint dot.

If the white paint dot is present, the trim and tilt hydraulic assembly has been replaced by the factory. Replacement is NOT needed.

1. White paint dot 008199

The trim and tilt hydraulic assembly may have been previously replaced by a dealer. If punch marks are present on the port and starboard sides of the lower mount rod, replacement is NOT needed.



1. Lower mount rod (starboard view) 008200
2. Punch mark 008202A

If white paint dot or punch marks are NOT present, replace the trim and tilt hydraulic assembly.

TRIM AND TILT HYDRAULIC ASSEMBLY REPLACEMENT

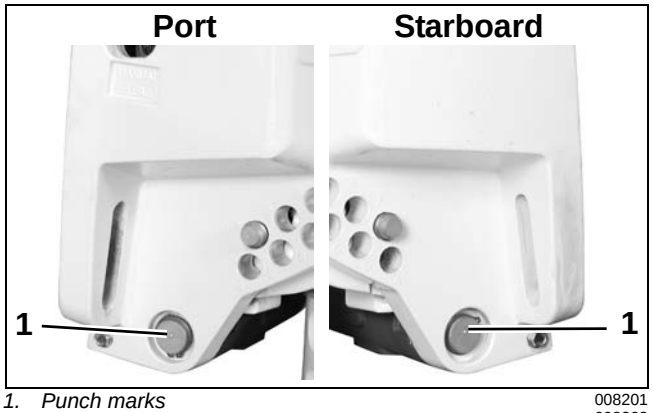
For this campaign ONLY, dealers may order Hydraulic Assembly, P/N 5007776.

Refer to the TRIM AND TILT SERVICE section of the *Evinrude E-TEC Service Manual (*2009 or 2010 model year).

When the repair is completed, you will be required to return the original trim and tilt hydraulic assembly.

IDENTIFICATION PROCEDURE

Affected models with a replacement trim and tilt hydraulic assembly installed must be easily identified. Use a punch to mark both port and starboard sides of the lower mount rod.



1. Punch marks

008201
008202

DEALER RESPONSIBILITY

Contact all of your customers who have purchased or operate an affected outboard and schedule service appointments to perform this repair. After inspection, order the required trim and tilt hydraulic assembly for all affected engines. See AFFECTED MODELS.

Affected outboards in inventory should have the inspection and necessary repairs completed before delivery to customers.

ONLY authorized servicing dealers may perform warranty repairs.

Use this warranty campaign to submit a campaign claim entry on engines listed as AFFECTED MODELS. Do not use this warranty campaign to submit normal warranty allowance requests.

CAMPAIGN CLAIM ENTRY

Submit an online Campaign Claim for replacing trim and tilt hydraulic assembly.

Credit will be applied in accordance with established warranty rates listed in the current dealer warranty database.

BRP will credit dealers for repairs performed up to 12 months from the date this bulletin is issued.

DealerPort Users

Complete an online Campaign Claim.

Include the following information with the Campaign Claim Entry:

- Flat Rate Code – **T101** (1.8 hours) for trim and tilt hydraulic assembly REPLACEMENT
- Failing Part Number – **9999987**
- Customer Comment Code – **239**
- Warranty Bulletin Number – **2010-01(W)**
- Return original trim and tilt hydraulic assembly with a copy of the Campaign Claim

BRP will not accept other labor or parts on the campaign claim entry for this warranty campaign.

Credit for labor, parts and a 15% shipping and handling fee will be issued after a copy of the Campaign Claim Entry and the required parts are returned.

BOSSWeb Users

Dealers using *BossWeb* must include the following information with the Campaign Claim:

- Use Campaign Number **5246**
- Dealers Outside North America contact your regional office before returning the original trim and tilt hydraulic assembly with a copy of the Campaign Claim

Mailing Addresses:

- **U.S. Dealers only —** The address is:

BRP US Inc.
300 Sea Horse Drive, Dock 5
Waukegan, IL 60085

Attn: Outboard Warranty

- **Canadian Dealers —** The address is:

Centre de pieces de garantie BRP
BRP Warranty Part Center
565, de la Montagne
Valcourt, QC J0E L0J

Attn: Outboard Warranty

- **Dealers Outside North America —** Contact your regional office.

For additional information in U.S. and Canada call 1-800-888-4662. Dealers outside of North America should call their regional office.

SERIAL NUMBER LIST

5272835	5273176	5273314	5273482	5273656
5272876	5273178	5273331	5273487	5273678
5272947	5273180	5273334	5273498	5273680
5273013	5273185	5273336	5273499	5273684
5273015	5273187	5273339	5273505	5273685
5273018	5273188	5273343	5273517	5273686
5273032	5273190	5273346	5273525	5273691
5273033	5273191	5273352	5273534	5273693
5273042	5273195	5273355	5273535	5273697
5273043	5273201	5273358	5273537	5273700
5273044	5273202	5273359	5273546	5273708
5273050	5273205	5273375	5273548	5273732
5273051	5273221	5273376	5273552	5273744
5273064	5273223	5273383	5273554	5273749
5273071	5273224	5273391	5273558	5273764
5273074	5273225	5273393	5273574	5273790
5273084	5273228	5273397	5273579	5273793
5273085	5273229	5273398	5273583	5273797
5273097	5273230	5273405	5273590	5273801
5273102	5273231	5273407	5273592	5273820
5273104	5273233	5273412	5273599	5273826
5273106	5273235	5273413	5273600	5273831
5273111	5273240	5273415	5273602	5273836
5273145	5273241	5273417	5273604	5273837
5273146	5273242	5273421	5273606	5273845
5273150	5273249	5273424	5273607	5273846
5273152	5273250	5273425	5273609	5273856
5273158	5273261	5273427	5273613	5273860
5273159	5273262	5273440	5273615	5273863
5273161	5273295	5273447	5273617	5273866
5273164	5273296	5273450	5273622	5273869
5273166	5273298	5273471	5273630	5273896
5273168	5273299	5273472	5273641	5273897
5273172	5273301	5273478	5273652	5273916
5273174	5273306	5273479	5273654	5273920

5273925	5274157	5274444	5274840	5275329
5273931	5274159	5274469	5274920	5275330
5273939	5274161	5274479	5274921	5275343
5273942	5274164	5274484	5274923	5275345
5273950	5274169	5274489	5274926	5275356
5273953	5274175	5274492	5274930	5275364
5273957	5274189	5274508	5274938	5275367
5273962	5274190	5274513	5274960	5275370
5273964	5274192	5274514	5274970	5275371
5273973	5274195	5274555	5274983	5275374
5273974	5274206	5274557	5274985	5275380
5273975	5274209	5274564	5275000	5275388
5273986	5274215	5274628	5275003	5275392
5273988	5274217	5274633	5275011	5275420
5273995	5274231	5274646	5275021	5275426
5273997	5274256	5274655	5275023	5275441
5274000	5274264	5274658	5275031	5275450
5274003	5274272	5274663	5275071	5275451
5274005	5274274	5274670	5275072	5275452
5274008	5274275	5274671	5275102	5275453
5274015	5274280	5274672	5275145	5275462
5274016	5274296	5274678	5275163	5275463
5274018	5274298	5274680	5275189	5275481
5274035	5274303	5274686	5275224	5275508
5274040	5274329	5274688	5275236	5275549
5274042	5274332	5274694	5275241	5275552
5274044	5274342	5274727	5275242	5275560
5274052	5274346	5274731	5275243	5275568
5274068	5274356	5274733	5275280	5275570
5274069	5274362	5274781	5275281	5275580
5274071	5274364	5274819	5275282	5275582
5274073	5274365	5274823	5275289	5275628
5274099	5274421	5274833	5275297	5275631
5274118	5274436	5274834	5275298	5275632
5274135	5274437	5274836	5275300	5275703
5274144	5274438	5274838	5275315	

EVINRUDE® E-TEC® | BRP

OUTBOARDS

WARRANTY

Bulletin

Suggested Routing:

☐ Service ☐ Sales ☐ Parts

Date: April 9, 2010 **No.** 2010-02(W)

MODELS: 2010 *Evinrude*® *E-TEC*® 115 HP, 130 HP, 150 HP, 175 HP, 200 HP, 225 HP, 250 HP and 300 HP Outboards.

SUBJECT: Oil Pump Assembly Replacement and Oil Hose Routing
SECOND NOTICE

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of an important warranty campaign which requires the verification of oil pump serial number and possible replacement of the oil pump assembly on certain 2010 *Evinrude E-TEC* 115 – 300 HP outboards.

Additionally, 200–300 HP, 90°V6 models require rerouting of two oil hoses.

Replacement oil pump assemblies, P/N 5007848, and P/N 5007849 and replacement powerheads, P/N 189834, P/N 189803, P/N 190000 P/N 190002, or P/N 190004 are also affected.

BRP recommends all affected engines, replacement powerheads and replacement oil pump assemblies be inspected or repaired. Contact all of your customers who have an affected engine and schedule service appointments to inspect for required repair.

PROBLEM

An internal component of the oil pump involved in providing oil flow could fail causing interruption of oil flowing from the oil pump assembly.

This issue can be corrected by replacing the affected oil pump assembly on the listed outboard models.

Verify oil hose routing on all models as indicated.

NOTICE **Outboards listed may require the replacement of the oil pump assembly if the serial numbers on these oil pump assemblies are within a CERTAIN serial number range. Failure to replace the oil pump assembly on these engines may result in repeat oil related fault codes and possible powerhead failure.**

AFFECTED MODELS

60° V4/V6 Models			
Model Year	**Displacement and Horsepower**	**Model Number**	**Affected Serial Number Range**
2010	60° V4 / 115 HP	E115DBXISM E115DCXISR E115DHLISC E115DPLISM E115DPXISM E115DSLISM E115HSLISC	5262158 through 5268161
	60° V4 / 130 HP	E130DPXISC E130DSLISC	
	60° V6 / 150 HP	E150DBXISM E150DCXISM E150DHLISM E150DPLISM E150DPXISM E150DSLISM E150HSLISM	
	60° V6 / 175 HP	E175DCXISM E175DPLISM E175DPXISM E175DSLISM	
	60° V6 / 200 HP	E200DCXISB E200DPLISB E200DPXISB E200DSLISB	

Continued on next page.

90° V6 Models			
Model Year	**Displacement and Horsepower**	**Model Number**	**Affected Serial Number Range**
2010	3.3 L / 200 HP	E200DHLISB E200DHXISM E200HCXISM E200HSLISM E200HVLISR	5262158 through 5268161
	3.3 L / 225 HP	E225DCXISE E225DCZISE E225DHLISE E225DHXISB E225DPLISE E225DPXISE E225DPZISE E225HSLISR	
	3.3 L / 250 HP	E250DCXISE E250DCZISE E250DPLISE E250DPXISE E250DPZISE	
	3.4 L / 250 HP	E250DHLISR E250DHXISR E250HSLISC E250HSLISG	
	3.4 L / 300 HP	E300DCXISR E300DCZISR E300DPXISR E300DPZISR E300DSLISC	

Engines With Replacement Powerhead Assemblies	
Year/Model	**Using Replacement Powerhead P/N**
All 60° V4 115 HP	189834
All 60° V6 150 – 200 HP with 5/16” crankshaft stud	189803
All 90° V6 200 – 250 HP (3.3 L)	190000 190002
All 90° V6 250 – 300 HP (3.4 L)	190004

IDENTIFY REPAIR IS NEEDED

IMPORTANT: This warranty campaign only applies to the 2010 *Evinrude E-TEC* outboards listed under AFFECTED MODELS.

If the following identification marks are not present, verify the oil pump assembly serial number. See See “OIL PUMP ASSEMBLY SERIAL NUMBERS” on page 4..

1) Inspect the shipping carton label. Look for a blue mark as shown. If a blue mark is present the oil pump assembly has been replaced by the factory.

1. Mark 008217

2) Remove the upper engine cover. Inspect the top, forward starter mounting screw. Look for a paint mark as shown. If a paint mark is present the oil pump assembly has been replaced by the factory.

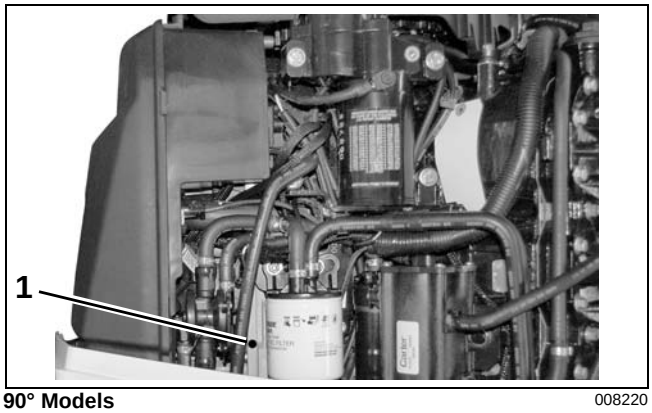
90° Models 008218

1. Mark

60° Models 008219

1. Mark

3) Inspect the port edge of the throttle body. It is NOT necessary to remove the air silencer. Look for a black mark as shown. If the black mark is present the oil pump assembly has been replaced by a dealer.



90° Models 008220

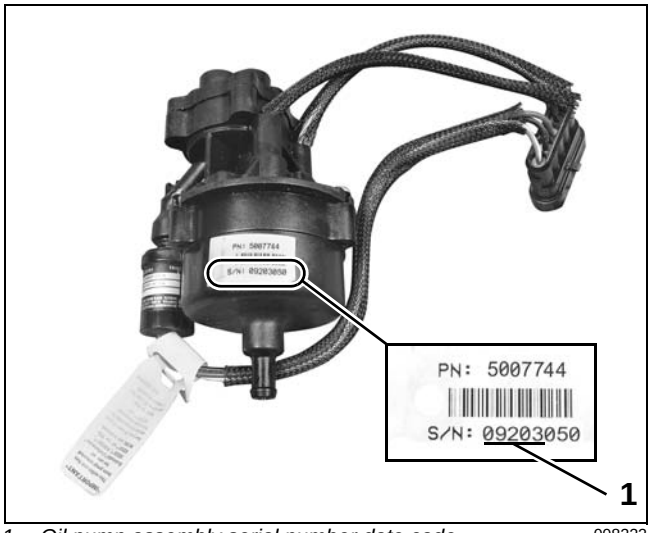
1. Mark

60° Models 008221

1. Mark

OIL PUMP ASSEMBLY SERIAL NUMBERS

Identify the oil pump assembly on affected models. Check the 8 digit oil pump assembly serial number and note the first five (5) digits of the serial number. The first five (5) digits of the serial number indicate a date code. Oil pump assemblies with date codes between “09111” and “09209” are the only oil pump assemblies to be replaced under this campaign.



1. Oil pump assembly serial number date code 008222 008223

Replace the oil pump assembly on affected models if date code of the oil pump assembly is between “09111” and “09209”.

If the oil pump assembly is not within the affected date code range, make sure the engine can be properly identified. See **“IDENTIFICATION PROCEDURE” on page 6**.

Do not use oil pump assemblies from dealer parts inventory with date codes between “09111” and “09209” for this warranty campaign.

Order correct replacement oil pump assembly using chart below:

Model Year	P/N
60° V4 115 – 130 HP	5007848
60° V6 150 – 200 HP	5007849
90° V6 200 – 300 HP*****	5007849

***Note:** Also see **“200–300 HP, 90° V6 MODEL OIL HOSE ROUTING” on page 6**.

REPLACE OIL PUMP ASSEMBLY

Remove oil distribution hoses and oil supply hose from original oil pump assembly.

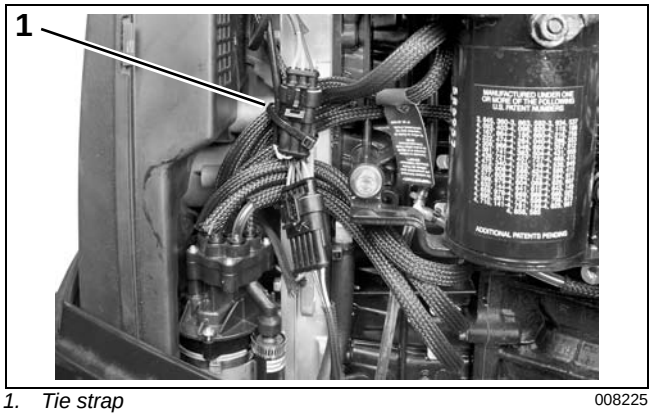
Remove oil pump assembly from engine. Remove oil distribution hoses from replacement oil pump assembly.

Refer to the OIL COMPONENT SERVICING section of the *Evinrude E-TEC Service Manual (*2009 or 2010 model year).

Re-use the original oil distribution hoses from oil manifold to engine oil fittings.

Be sure to purge air from the oil supply hose, prime the oil system and check for leaks.

60° V6 Models: To prevent pinching oil distribution hoses with the air silencer, cut the tie strap securing the Crankshaft Position Sensor (CPS) connector. Install a new tie strap, P/N 320107, to LOOSELY bundle oil distribution hoses and CPS connector. Position oil distribution hoses toward powerhead as shown.



1. Tie strap 008225

NOTICE **After installing air silencer, make sure oil hoses move freely and are not pinched.**

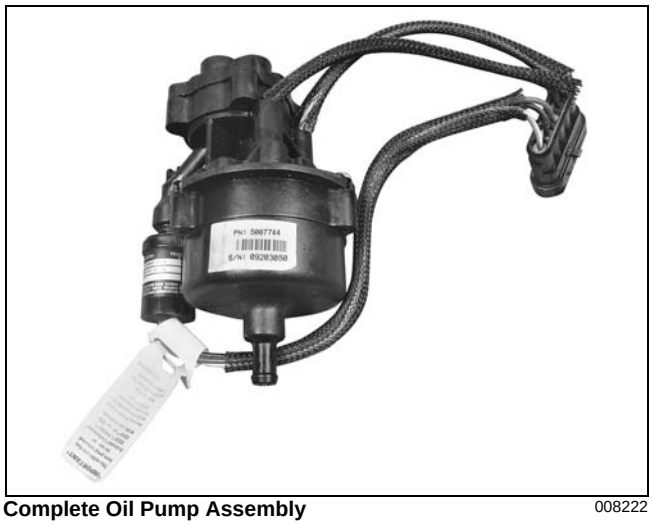
PARTS RETURN PROCEDURE

After the new oil pump assembly is installed and the repair is complete, return parts as follows.

New Engines – Zero Hours of Use (North American Dealers Only)

If the engine is new and has NOT been run (zero hours), return the COMPLETE oil pump assembly.

Use *Evinrude Diagnostics* software to save and print an “Engine Identification Report.” Return the oil pump assembly with the Engine Identification Report and a copy of the Campaign Claim.



Complete Oil Pump Assembly 008222

Engines in Service – In Customer Possession

If the engine is in customer possession and has accumulated engine hours, return ONLY the oil pump wiring with the electrical connector and serial number label.

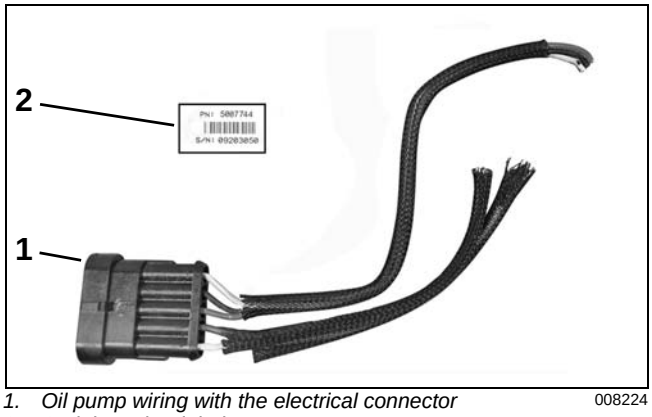
Use *Evinrude Diagnostics* software to save and print an “Engine Identification Report.” Return the oil pump wiring with the electrical connector and serial number label with the Engine Identification Report and a copy of the Campaign Claim.

IMPORTANT: DO NOT cut any wiring on original oil pump assembly until you are sure the oil pump assembly has been identified as being an affected component. See **“OIL PUMP ASSEMBLY SERIAL NUMBERS” on page 4**.

Cut the oil pump wires and the oil pressure sensor wires on the original oil pump assembly. Cut the wires as close as possible to the oil pump housing and as close as possible to the oil pressure switch.

Remove the serial number label from the oil pump housing.

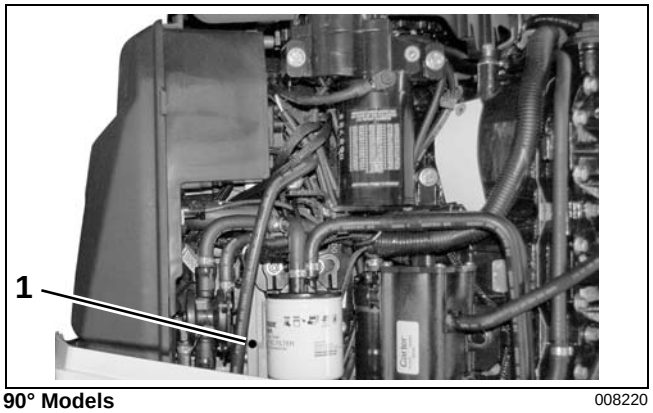
Adhere to all applicable local, state, and EPA regulations when disposing of the original oil pump assembly.



1. Oil pump wiring with the electrical connector 008224
2. Serial number label

IDENTIFICATION PROCEDURE

Affected models that have been inspected, or have a replacement oil pump assembly installed must be easily identified without removing the air silencer. Use a BLACK permanent marker to mark the port edge of the throttle body as shown.



90° Models 008220

1. Mark

60° Models 008221

1. Mark

200–300 HP, 90° V6 MODEL OIL HOSE ROUTING

IMPORTANT: This change is NOT required on 115–200 HP 60° V4/V6 models.

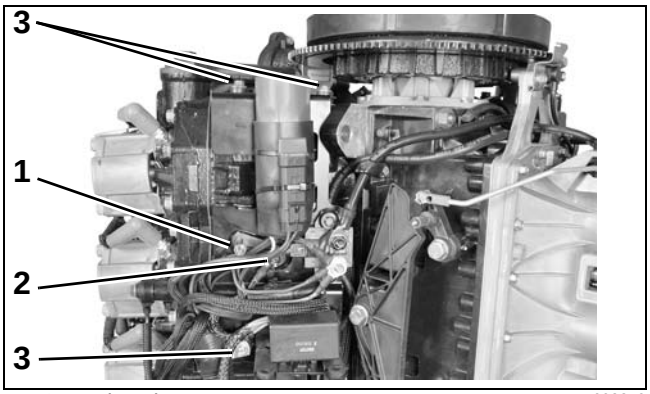
The following parts may be needed to complete this repair:

- Drain Hose, 3/32, P/N 772569
- Oil Distribution Hose, P/N 778708

Disconnect the battery cables at the battery.

Remove the negative battery cable from the ground stud. Remove the ground screw and four ground leads.

Remove three electrical bracket retaining screws. Position the electrical bracket toward the front of the engine to access the oil hoses.

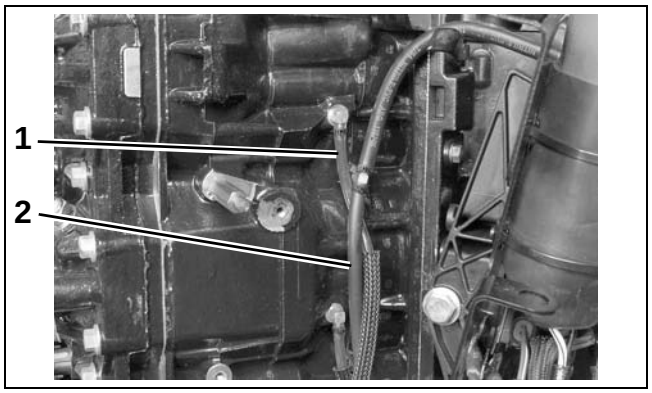


1. Ground stud 008259
2. Ground screw
3. Electrical bracket retaining screws

Remove tie strap from #1 cylinder oil distribution hose. Remove oil distribution hose from fitting.

Replace oil distribution hose if damaged. Cut hose 32 in (812.8 mm) in length, from roll P/N 778708.

Remove two tie straps from indicated oil recirculation hose. Remove oil recirculation hose from fittings. Discard the oil recirculation hose.

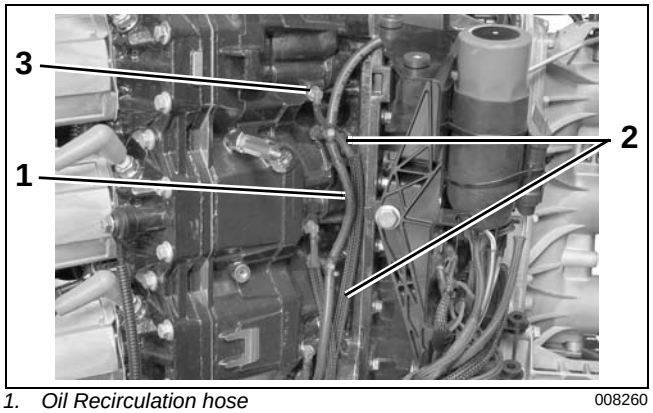


1. #1 cylinder oil distribution hose 008258
2. Oil recirculation hose

Cut a new oil recirculation hose 5 in. (127 mm) in length, from roll P/N 772569.

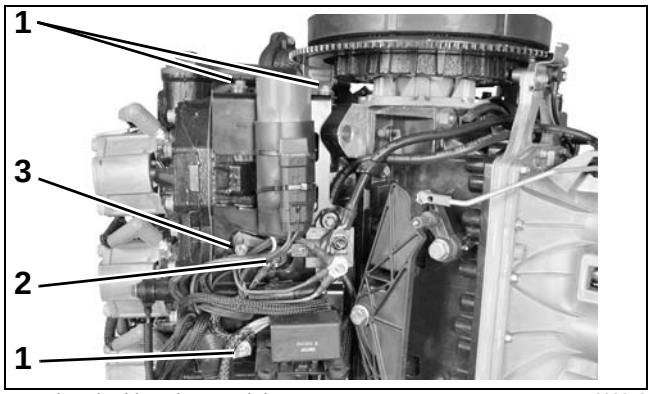
Install new oil recirculation hose onto fittings and secure with two tie straps, P/N 317893. Position the hose so the bend is toward the front of the engine as shown.

Reroute the oil distribution hose toward the front of the oil recirculation fittings. Install the oil distribution hose to the #1 cylinder oil fitting. Secure the oil distribution hose with tie strap P/N 317893.



1. Oil Recirculation hose 008260
2. Oil distribution hose
3. #1 cylinder oil fitting

Install electrical bracket with three retaining screws. Install four ground leads with ground screw. Install the negative battery cable on the ground stud.



1. Electrical bracket retaining screws 008259
2. Engine harness ground screw
3. Ground stud

Connect the battery cables to the battery.

DEALER RESPONSIBILITY

Contact all of your customers who have purchased or operate an affected outboard or have had a replacement oil pump assembly or a replacement powerhead and schedule service appointments to inspect for required repair.

After inspection, order the required replacement oil pump assembly for all affected engines. See **“AFFECTED MODELS” on page 1** and **“200–300 HP, 90° V6 MODEL OIL HOSE ROUTING” on page 6**.

Inspect dealer parts inventory for replacement oil pump assembly, P/N 5007848, or P/N 5007849. If oil pump assemblies in dealer parts inventory have a date code between “09111” and “09209”, they MUST be returned for credit. Return affected inventory with a normal parts and accessories claim. Refer to the current Warranty Procedures Manual.

Affected outboards in inventory should have the inspection and necessary repairs completed before delivery to customers.

ONLY authorized servicing dealers may perform warranty repairs.

CAMPAIGN CLAIM ENTRY

Submit an online Campaign Claim for replacing the oil pump assembly.

- Use this campaign claim to submit warranty allowance requests on engines listed as AFFECTED MODELS.
- Do not use this campaign claim to submit normal warranty allowance requests.

Credit will be applied in accordance with established warranty rates listed in the current dealer warranty database.

BRP will credit dealers for repairs performed up to 12 months from the date this bulletin is issued.

DealerPort Users

Complete an online Campaign Claim.

Dealers using *DealerPort* must include the following information with the Campaign Claim:

- Enter engine serial number.
- Use Failing Part Number – **9999988**
- Mail required parts with an Engine Identification Report and a copy of the campaign claim. Refer to **"PARTS RETURN PROCEDURE" on page 5**.

Credit for labor, parts and a shipping/handling fee will be issued after a copy of the campaign claim and the required parts are returned.

60° Models – 1.8 hours labor credit plus voucher to cover value of the parts.

90° Models – 2.0 hours labor credit plus voucher to cover value of the parts.

BRP will not accept other labor or parts on the warranty allowance request for this service campaign.

BOSSWeb Users

Dealers using BossWeb must include the following information with the Campaign Claim:

- Use Campaign Number **5247**
- Dealers Outside North America contact your regional office before returning the oil pump wiring with the electrical connector and serial number label with an Engine Identification Report and a copy of the campaign claim.

Mailing Addresses:

- **U.S. Dealers only —** The address is:

BRP US Inc.
300 Sea Horse Drive, Dock 5
Waukegan, IL 60085

Attn: Outboard Warranty

- **Canadian Dealers —** The address is:

Centre de pieces de garantie BRP
BRP Warranty Part Center
565, de la Montagne
Valcourt, QC J0E L0J

Attn: Outboard Warranty

- **Dealers Outside North America —** Contact your regional office.

For additional information in U.S. and Canada call 1-800-888-4662. Dealers outside of North America should call their regional office.

EVINRUDE® E-TEC®

OUTBOARDS

WARRANTY

Bulletin

W

Suggested Routing:

☐ Service ☐ Sales ☐ Parts

EPA CAMPAIGN

⚠ **WARNING All involved customers must be notified, all involved units must be corrected as per instructions herein.**

Date: April 23, 2010 **No.** 2010-03(W)

MODELS: 2009 and 2010 *Evinrude*® *E-TEC*® 15 HP, 25 HP, 30 HP, 40 HP, 65 HP, and 2009 *Evinrude* 55 HP MFE Outboards.

SUBJECT: Fuel Hose and Primer Bulb Assembly Replacement

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers in the United States, of an important U.S. Environmental Protection Agency (EPA) campaign which requires the verification and possible replacement of the Fuel Hose and Primer Bulb Assembly on certain 2009 and 2010 *Evinrude E-TEC* 15–65 HP outboards, and 2009 *Evinrude* 55 HP *MFE* outboards.

Registered owners of affected outboards will receive a letter instructing them to return their outboard to an authorized *Evinrude* or *Johnson* dealer to complete this service.

PROBLEM

Some outboard models may have been shipped with a fuel hose and primer bulb assembly that is not EPA compliant.

A non-compliant fuel hose and primer bulb assembly allows the emission of evaporative fuel fumes above the EPA limits.

This issue can be corrected by replacing the fuel hose and primer bulb assembly.

Refer to Service Bulletin 2009-03(S), Requirement for EPA Approved Fuel Hose.

AFFECTED MODELS

ALL affected outboard models, must be repaired to ensure emission compliance.

The fuel hose and primer bulb assemblies of outboards with serial numbers listed in the Affected Models table MUST be inspected. Fuel hose and primer bulb assemblies that are NOT EPA compliant MUST be replaced.

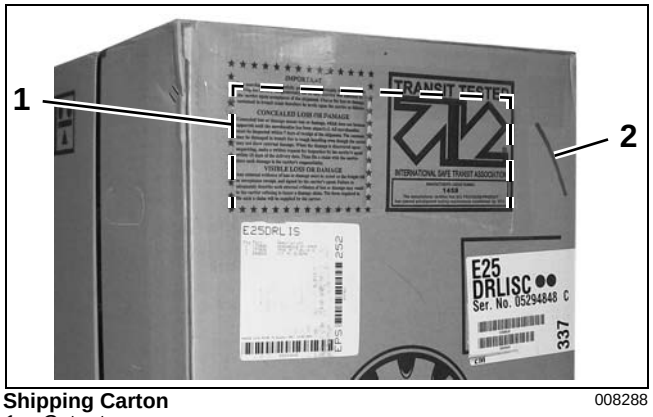
IMPORTANT: DO NOT sell, deliver, or use any affected outboards until this repair has been completed.

Affected Models

Model Year	HP	Model Number	Affected Serial Number Range
2010	15 HP	E15DHTLIS	5292760 to 5294255
	25 HP	E25DELIS E25DPLIS E25DRIS E25DRLIS E25DTEIS E25DTELIS E25DTLIS	5292547 to 5295026 and 8751347 to 8755514
	30 HP	E30DELIS E30DPLIS E30DRIS E30DRLIS E30DTELIS E30DTLIS	5292544 to 5294713 and 8751409 to 8755474
	40 HP	E40DRLIS	5261304 to 5269001
	65 HP	E65WDRLIS	5261420 to 5268537
2009	25	E25DELSE E25DPLSE E25DRSE E25DRLSE E25DTESE E25DTELSE E25DTLSE	8750024 to 8751349
	30	E30DELSE E30DPLSE E30DRSE E30DRLSE E30DTELSE E30DTLSE	8750021 to 8751328
	40	E40DRLSE	5259523 to 5260136
	65	E65WDRYSE E65WDRLSE	5259440 to 5260452
	55	E55MJRLSE E55MRLSE	5259331 to 5267696

INSPECTION

Inspect the shipping carton. Look for a cutout area re-sealed with clear cellophane tape. A green mark near the cutout identifies the fuel hose and primer bulb assembly has been inspected or replaced by the factory.

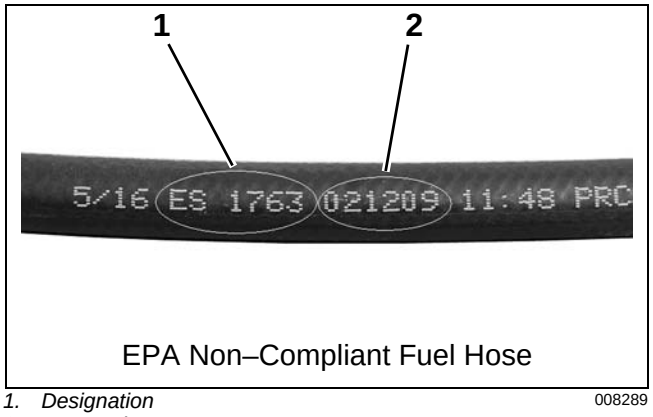


Shipping Carton 008288
1. *Cutout area*
2. *Green mark*

If the engine has been removed from the shipping carton, inspect the fuel hose and primer bulb assembly to identify if replacement is required.

Verify the fuel hose designation and date code to determine if the fuel hose is EPA compliant.

Fuel hose with a designation of ES1763 and a date code of 010109 or later is NOT EPA compliant. Replace any fuel hose and primer bulb assembly with this designation. Refer to **“AFFECTED MODELS”** on page 1.

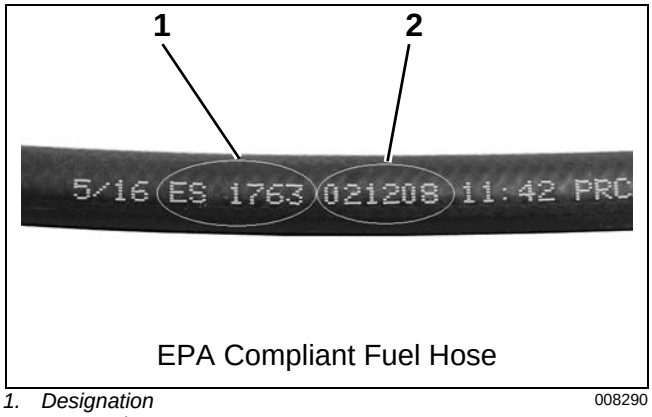


1. *Designation* 008289
2. *Date code*

If the fuel hose and primer bulb assembly is NOT EPA compliant, order a replacement fuel hose and primer bulb assembly from the chart below.

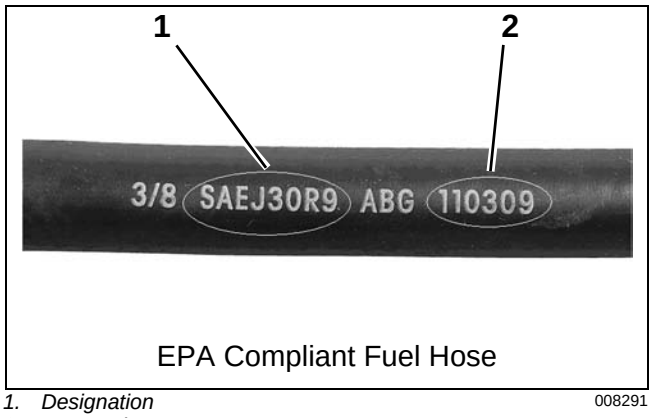
Model	P/N
15–30 HP	775635
40 HP	775635
55 MFE	5006365
65 Commercial	775635

Fuel hose with a designation of ES1763 and a date code of 123108 or earlier IS EPA compliant, replacement is NOT needed.



1. *Designation* 008290
2. *Date code*

Fuel hose with a designation of SAEJ30R9 and a date code of 010109 or later IS EPA compliant, replacement is NOT needed.



1. *Designation* 008291
2. *Date code*

PARTS RETURN PROCEDURE

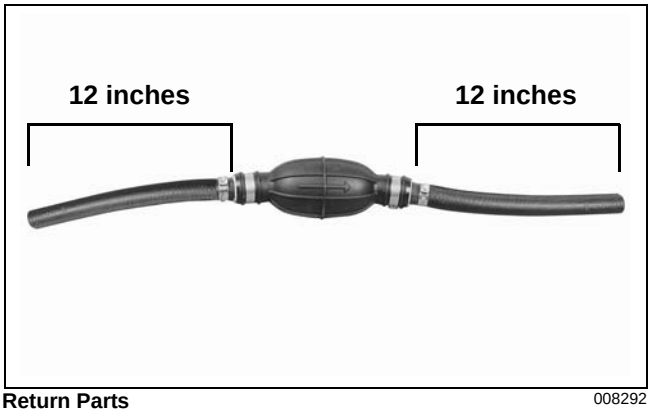
After the new fuel hose and primer bulb assembly is installed and the repair is complete, drain all fuel from the original fuel hose and primer bulb assembly.

Cut the fuel hose 12 inches on each side of the primer bulb.

Place the section of hose with the primer bulb attached, in heavy zip lock type bags before packaging for return.

Dispose of remaining pieces of original hose.

Adhere to all applicable local, state, and U.S. EPA regulations when disposing of fuel and original hose.



Return Parts 008292

DEALER RESPONSIBILITY

Contact all of your customers who have purchased or operate an affected outboard and schedule service appointments to inspect for required repair.

After inspection, order the required replacement fuel hose and primer bulb assembly for all affected engines. See **"AFFECTED MODELS"** on page 1.

Affected outboards in inventory should have the inspection and necessary repairs completed before delivery to customers.

ONLY authorized servicing dealers may perform warranty repairs.

CAMPAIGN CLAIM ENTRY

Complete documentation of this repair is required for reporting campaign progress to the U.S. EPA.

Submit an online Campaign Claim for replacing the fuel hose and primer bulb assembly.

- Use this campaign claim to submit warranty allowance requests on engines listed as AFFECTED MODELS.
- Do not use this campaign claim to submit normal warranty allowance requests.

BRP will not accept other labor or parts on the warranty allowance request for this EPA campaign.

Credit will be applied in accordance with established warranty rates listed in the current dealer warranty database.

DealerPort Users

Complete an online Campaign Claim.

Dealers using *DealerPort* must include the following information with the Campaign Claim:

- Enter engine serial number.
- Use Failing Part Number – **9999991**
- Mail original parts (see **"PARTS RETURN PROCEDURE"** on page 3) with a copy of the campaign claim.

BOSSWeb Users (U.S. Dealers Only)

Dealers using *BossWeb* must include the following information with the Campaign Claim:

- Use Campaign Number **5249**

Payment

Credit for 0.5 hours labor, parts and a shipping and handling fee will be issued after a copy of the campaign claim and the required parts are returned.

Mailing Address:

- **U.S. Dealers only —** The address is:

BRP US Inc.
300 Sea Horse Drive, Dock 5
Waukegan, IL 60085

Attn: Outboard Warranty

For additional information U.S. dealers may call 1-800-888-4662.

EVINRUDE E-TEC | BRP

OUTBOARDS

WARRANTY

Bulletin

SAFETY CAMPAIGN

Suggested Routing:

☐ Service ☐ Sales ☐ Parts

⚠ WARNING All involved customers must be notified, all involved units must be corrected as per instructions herein.

Date: July 23, 2010

No. 2010-04(W) (REV 2 9-21-2010)

MODELS: 2010 *Evinrude*® *E-TEC*® 40 - 90 HP and 2011 *Evinrude E-TEC* 40 - 90 HP

SUBJECT: Incorrectly Installed Clamps on Fuel Hoses

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of a safety campaign on certain 2010 and 2011 model year *Evinrude E-TEC* outboards. This campaign requires inspection and a possible service procedure to correct improperly installed clamps on two (2) fuel hoses of the vapor separator assembly. All affected engines MUST BE repaired.

⚠ WARNING

Use caution when working on any pressurized fuel system. Wear safety glasses and work in a well ventilated area. Extinguish all smoking materials and make certain no open flames or ignition sources exist. Before starting any fuel system service, carefully relieve fuel system pressure. Failure to properly relieve fuel system pressure can result in spraying fuel and/or excessive fuel spillage during servicing. Fuel is flammable and can be explosive under certain conditions.

PROBLEM

On some of the affected models, clamps on specific hoses to the vapor separator may not be installed correctly. The outboard may experience a fuel leak with a potential for fire or explosion. If this happens, it could lead to serious injuries. See INSPECTION.

AFFECTED MODELS

Confirm engine model number and serial number. This campaign ONLY applies to outboards on the serial number list. See SERIAL NUMBER LIST on the following page. See IDENTIFICATION PROCEDURE.

Model Year	Horsepower	Model Number
2010	E-TEC 40-65 HP	E40DSLIS, E40DPLIS, E50DSLIS, E50DPLIS E60DPLIS, E60DSLIS
	E-TEC 75-90 HP	E75DSLIS, E90DPLIS, E90DSLIS
2011	E-TEC 40-65 HP	E40DRLII, E40DPLII, E40DTLII, E40DSLII, E50DPLII, E50DSLII, E50DTLII E60DPLII, E60DSLII, E60DTLII, E65WDRLII
	MFE 55 HP	E55MRLII
	E-TEC 75-90 HP	E75DPLII, E75DSLII E90DPLII, E90DSLII E90DPXII, BE90DSLII

INSPECTION

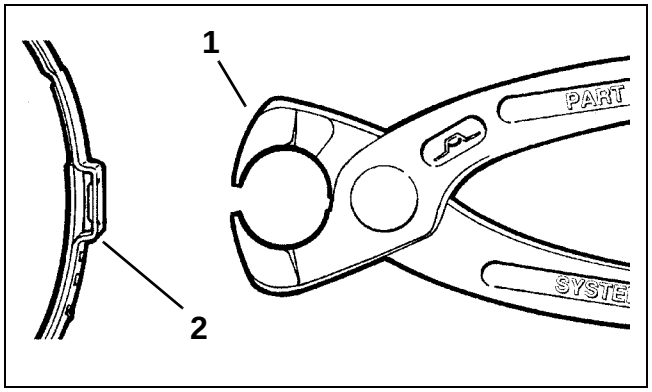
Inspect the two (2) affected 17 mm clamps indicated below to determine if repair is required. Both of the 17 mm clamps, P/N 348839, MUST be positioned and crimped correctly.

1. 17 mm clamps, P/N 348839 007828

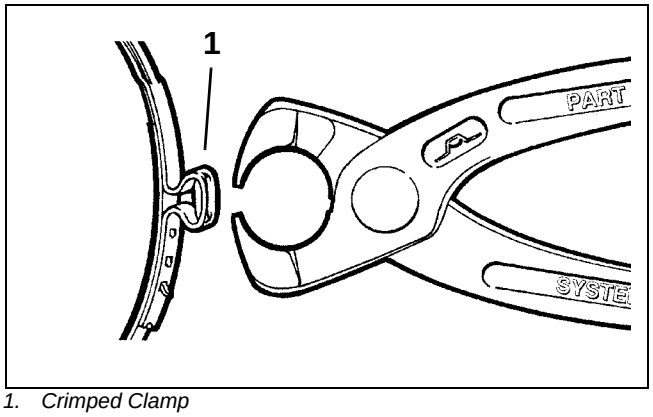
SERVICING CLAMPS

For this campaign, dealers are asked to tighten or replace clamps as needed. Use ONLY *Oetiker* pliers, P/N 350860 to tighten all “ear-type” clamps. Disconnect the battery cables at the battery before removing starboard lower engine cover.

Inspect for uncrimped clamps. ALL clamps MUST be crimped. Refer to the appropriate service information for clamp installation procedures.



1. Oetiker *pliers, P/N 350860*
2. *Uncrimped clamp*



1. *Crimped Clamp*

Carefully torque screws when reinstalling lower engine covers.

IDENTIFICATION PROCEDURE

Inspected or repaired outboards MUST be easily identified. Mark the vapor separator with white paint as shown to indicate the inspection or the repair is complete and the clamps are positioned and installed correctly.

1. *Mark* 005016

DEALER RESPONSIBILITY

Contact all of your customers who have purchased or operate an affected outboard and schedule service appointments to perform this required inspection or repair. Install required clamps as needed. See AFFECTED MODELS.

Affected outboards in inventory should have the inspection and required repairs completed before delivery to customers.
ONLY authorized servicing dealers may perform warranty repairs.

Campaign Claim Entry

Complete documentation of this repair is required for reporting campaign progress to government agencies.
Submit an online campaign claim for inspecting or replacing the clamps on affected outboards.

DealerPort Users

Complete an online Campaign Claim. Dealers using *DealerPort* must include the following information with the Campaign Claim:

- Enter engine serial number.
- Use Failing Part Number – 9999996

Include the following information on warranty allowance forms, P/N 773629 (campaign claims) submitted through the mail:

- Flat Rate Code – CMP2
- Failing Part Number – 9999996
- Customer Comment Code – 239
- Warranty Bulletin Number – 2010-04(W)

DO NOT request other labor or parts on mail-in warranty allowance request. Call for authorization and submit a second or supplemental warranty allowance request if needed.

BOSSWeb Users

Dealers using *BossWeb* must include the following information with the Campaign Claim:

- Use Campaign Number 5254**.**

Dealer Payment

Credit for one (1) hour of labor credit plus a voucher to cover value of the parts will be applied in accordance with established warranty rates listed in the current dealer warranty database.

Dealers Outside North America — Contact your regional office.

For additional information in U.S. and Canada call 1-800-888-4662. Dealers outside of North America should call their regional office.

See serial number list on next page.

SERIAL NUMBER LIST

(Includes models numbers for reference. List updated August 6, 2010)

Serial	Model	Serial	Model	Serial	Model	Serial	Model	Serial	Model
5283086	E90DSLISF	5284468	E40DSLIIA	5286616	E60DPLIIS	5289368	E60DSLIIA	5290670	E60DPLIIS
5283102	E90DSLISF	5284473	E60DSLIIA	5286671	E90DPLIIS	5289380	E50DPLIIS	5290682	E90DSLIID
5283113	E50DPLISF	5284537	E90DSLIID	5286673	E90DPLIIS	5289384	E50DPLIIS	5290688	E60DSLIIA
5283115	E90DPLISF	5284577	E50DSLIIA	5286706	E75DPLIIS	5289399	E40DSLIIA	5290698	E60DPLIIS
5283148	E50DPLISF	5284617	E40DSLIIA	5286750	E75DPLIIS	5289400	E40DSLIIA	5290708	E50DSLIIA
5283150	E50DPLISF	5285032	E40DTLIIA	5286794	E40DPLIIS	5289955	E90DSLIID	5290717	E60DPLIIS
5283158	E60DPLISF	5285034	E90DSLIID	5286796	E50DPLIIS	5290296	E50DSLIIA		
5283177	E90DPLISF	5285048	E90DSLIID	5286927	E75DSLIIA	5290300	E90DSLIID		
5283182	E40DSLISF	5285277	E60DSLIIA	5286929	E90DPLIIS	5290419	E60DSLIIA		
5283198	E50DPLISF	5285283	E60DSLIIA	5286967	E90DSLIID	5290420	E90DSLIID		
5283208	E90DSLISF	5285317	E90DSLIID	5287149	E55MRLIIM	5290427	E75DSLIIA		
5283213	E60DPLISF	5285386	E75DSLIIA	5287171	E75DSLIIA	5290428	E75DSLIIA		
5283215	E90DPLISF	5285391	E50DSLIIA	5287229	E55MRLIIM	5290436	E60DPLIIS		
5283219	E90DSLISF	5285396	E75DSLIIA	5287291	E50DPLIIS	5290437	E60DTLIIA		
5283231	E75DSLISF	5285412	E40DTLIIA	5287293	E50DPLIIS	5290440	E75DSLIIA		
5283236	E75DSLISF	5285495	E50DSLIIA	5287336	E55MRLIIM	5290441	E90DPLIIS		
5283246	E40DSLISF	5285497	E90DSLIID	5287447	E40DPLIIS	5290446	E90DSLIID		
5283247	E75DSLISF	5285627	E50DPLIIS	5287463	E90DPXIIS	5290451	E50DPLIIS		
5283257	E75DSLISF	5285629	E50DPLIIS	5287824	E50DPLIIS	5290459	E40DSLIIA		
5283265	E75DSLISF	5285630	E40DPLIIS	5287844	E60DPLIIS	5290460	E40DSLIIA		
5283282	E90DSLISF	5285663	E40DPLIIS	5287845	E60DPLIIS	5290473	E60DSLIIA		
5283288	E50DPLISF	5285731	E60DSLIIA	5287859	E65WDRLII	5290484	E60DSLIIA		
5283307	E75DSLISF	5285733	E60DSLIIA	5287879	E75DSLIIA	5290489	E90DPLIIS		
5283325	E90DSLISF	5285914	E40DTLIIA	5287887	E75DPLIIS	5290490	E90DPLIIS		
5283337	E50DPLISF	5285971	E90DSLIID	5287897	E40DPLIIS	5290496	E60DSLIIA		
5283413	E60DSLISF	5285993	E75DPLIIS	5287900	E75DSLIIA	5290500	E90DPLIIS		
5283430	E90DSLISF	5286008	E40DSLIIA	5287901	E50DPLIIS	5290501	E90DPLIIS		
5283435	E90DPLISF	5286014	E40DSLIIA	5287903	E60DSLIIA	5290504	E60DTLIIA		
5283443	E90DPLISF	5286032	E50DSLIIA	5287924	E60DTLIIA	5290515	E60DPLIIS		
5283467	E90DSLISF	5286034	E50DSLIIA	5287928	E75DPLIIS	5290517	E60DPLIIS		
5283588	E40DSLISF	5286041	E40DSLIIA	5287937	E90DSLIID	5290523	E90DSLIID		
5283599	E75DSLISF	5286043	E40DSLIIA	5288024	E75DPLIIS	5290524	E90DPLIIS		
5283689	E60DSLISF	5286045	E75DPLIIS	5288081	E55MRLIIM	5290525	E90DPLIIS		
5283694	E60DSLISF	5286051	E60DPLIIS	5288168	E50DSLIIA	5290541	E40DRLIIS		
5283698	E50DPLISF	5286058	E60DPLIIS	5288218	E40DTLIIA	5290547	E50DTLIIA		
5283785	E60DSLIIA	5286077	E50DPLIIS	5288286	E60DPLIIS	5290548	E40DPLIIS		
5283793	E40DSLIIA	5286079	E40DPLIIS	5288296	E75DPLIIS	5290561	E40DPLIIS		
5283796	E40DSLIIA	5286081	E50DPLIIS	5288308	E40DSLIIA	5290563	E90DPLIIS		
5283799	E40DSLIIA	5286157	BE90DSLII	5288379	E60DSLIIA	5290564	E90DPLIIS		
5283805	E75DSLIIA	5286167	E90DSLIID	5288380	E60DSLIIA	5290570	E75DSLIIA		
5283887	E90DSLIID	5286220	E50DSLIIA	5288400	E40DSLIIA	5290597	E75DSLIIA		
5283888	E60DSLIIA	5286252	E60DPLIIS	5288452	E50DSLIIA	5290598	E75DPLIIS		
5283958	E75DSLIIA	5286268	E60DPLIIS	5288477	E50DPLIIS	5290601	E75DSLIIA		
5284012	E75DSLIIA	5286272	E90DSLIID	5288509	E75DPLIIS	5290602	E90DPLIIS		
5284028	E60DSLIIA	5286273	E90DSLIID	5288585	E50DSLIIA	5290618	E50DSLIIA		
5284080	E50DPLIIS	5286275	E60DPLIIS	5288586	E50DSLIIA	5290629	E60DSLIIA		
5284222	E40DPLIIS	5286276	E50DSLIIA	5289138	E40DSLIIA	5290630	E60DSLIIA		
5284224	E40DPLIIS	5286278	E40DPLIIS	5289139	E75DSLIIA	5290641	E90DSLIID		
5284300	E50DPLIIS	5286355	E50DSLIIA	5289152	E40DSLIIA	5290642	E75DSLIIA		
5284345	E60DPLIIS	5286357	E50DSLIIA	5289154	E40DSLIIA	5290650	E90DSLIID		
5284444	E75DSLIIA	5286360	E90DPLIIS	5289301	E90DPLIIS	5290669	E60DPLIIS		

EVINRUDE E-TEC

Suggested Routing:
☐ Service ☐ Sales ☐ Parts

OUTBOARDS
WARRANTY
Bulletin

Date: October 29, 2010 **No.** 2010-05(W)

MODELS: 2011 *Evinrude*® *E-TEC*® 200 HP–250 HP 90° V6 (3.3 L) Outboards.

SUBJECT: Shift Lever Cam

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of a warranty campaign on certain 2011 *Evinrude E-TEC* 200–250 HP 90° V6 (3.3 L) outboard models. This campaign requires inspection of the shift lever cam and possible repair of the shift lever cam screw, following the procedure in this bulletin.

BRP recommends ALL affected outboard models be inspected or repaired.

Please contact customers who have purchased an affected outboard and schedule appointments to inspect for required repair.

PROBLEM

The shift lever cam screw on some engines may not be installed correctly. The screw may loosen preventing proper neutral switch operation and a possible “NO START” condition.

IMPORTANT: DO NOT sell, deliver, or use any affected outboards until this repair has been completed.

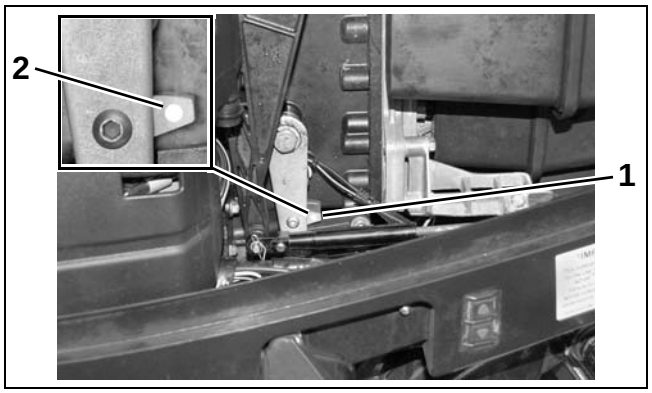
AFFECTED MODELS

Model Year	HP	Model Number	Affected Serial Number Range
2011	200 HP 90° V6 (3.3 L)	E200DHLIID E200DHXIIB E200HCXIIB E200HSLIIB E200HVLIIA	5284710 to 5290573
	225 HP 90° V6 (3.3 L)	E225DCXIID E225DCZIID E225DHLIID E225DHXIIE E225DPLIID E225DPXIID E225DPZIID E225HSLIIA	
	250 HP 90° V6 (3.3 L)	DE250CXIIC DE250CZIIC DE250PXIIC DE250PZIIC E250DCXIID E250DCZIID E250DPLIID E250DPXIID E250DPZIID	

Continued on next page.

INSPECTION

Inspect the shift lever cam for a white paint mark as shown. If a paint mark is present, the engine has been repaired.



1. Shift lever cam 008382
2. Paint mark

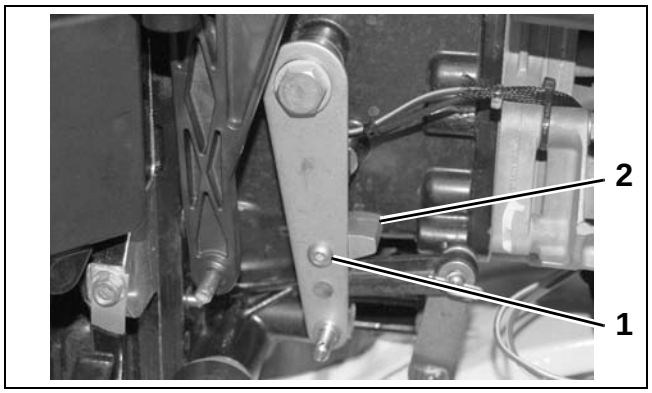
If the paint mark is not present, the shift lever cam screw must be removed and reinstalled correctly. See **"PROCEDURE"** .

PROCEDURE

Remove the starboard lower engine cover. Refer to "LOWER COVER SERVICE" in the appropriate service manual.

Remove the shift lever cam screw and shift lever cam. Remove old adhesive from threads of the shift lever screw and the cam. Apply *Ultra Lock* to the threads of the screw.

Reinstall shift lever cam and screw. Tighten screw to a torque of 60 to 84 in. lbs. (7 to 9.5 N·m).

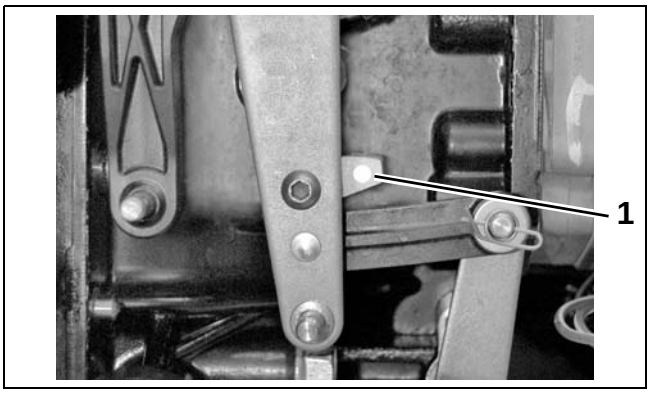


1. Shift lever cam screw 008383
2. Shift lever cam

Identification

Outboards with repaired shift lever cam screw must be easily identified.

Apply a white paint mark to the shift lever cam as shown, to indicate the repair has been completed.



1. Paint mark 008384

Reinstall starboard lower engine cover.

DEALER RESPONSIBILITY

Contact all of your customers who have purchased or operate an affected outboard and schedule service appointments to inspect for required repair. Refer to **"AFFECTED MODELS"** .

Affected outboards in stock should be inspected for repair before delivering to customers.

ONLY authorized servicing dealers may perform warranty repairs.

CAMPAIGN CLAIM ENTRY

Submit an online Campaign Claim for repairing shift lever cam screw.

- Use this campaign claim to submit warranty allowance requests on engines listed as AFFECTED MODELS.
- Do not use this campaign claim to submit normal warranty allowance requests.

BRP will not accept other labor or parts on the warranty allowance request for this campaign.

Credit will be applied in accordance with established warranty rates listed in the current dealer warranty database.

BRP will credit dealers for repairs performed up to 12 months from the date this bulletin is issued.

DealerPort Users

Complete an online Campaign Claim.

Dealers using *DealerPort* must include the following information with the Campaign Claim:

- Enter engine serial number.
- Use Failing Part Number – **9999995**

Dealers may submit a printed Warranty Allowance Request, P/N 773629. Use the following information:

- Flat Rate Code - **CMP1**
- Failing Part Number - **9999995**
- Customer Comment Code - **239**
- Bulletin Number - **2010-05(W)**

BOSSWeb Users

Dealers using *BossWeb* must include the following information with the Campaign Claim:

- Use Campaign Number **5253**

Payment

Credit for **0.5 hours** labor will be issued.

Mailing Address:

- **North American Dealers —** The address is:

BRP US Inc. / Outboard Engines Division
After Sales Support
P.O. Box 597
Sturtevant, WI 53177

- **Dealers outside North American —** Contact your regional office.

For additional information in the U.S. and Canada call 1-800-888-4662. Dealers outside of North America should contact their regional office.

EVINRUDE E-TEC

BRP

OUTBOARDS

WARRANTY

Bulletin

W

Suggested Routing:

☐ Service ☐ Sales ☐ Parts

Date: October 29, 2010 **No.** 2010-06(W)

MODELS: 2011 *Evinrude*® *E-TEC*® 15 HP, 25 HP, and 30 HP Outboards.

SUBJECT: Shift Lever Screws

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of a possible repair on some 2011 *Evinrude E-TEC* 15–30 HP outboard models. This repair requires inspection of the shift lever screws, and possible proper reinstalling the screws.

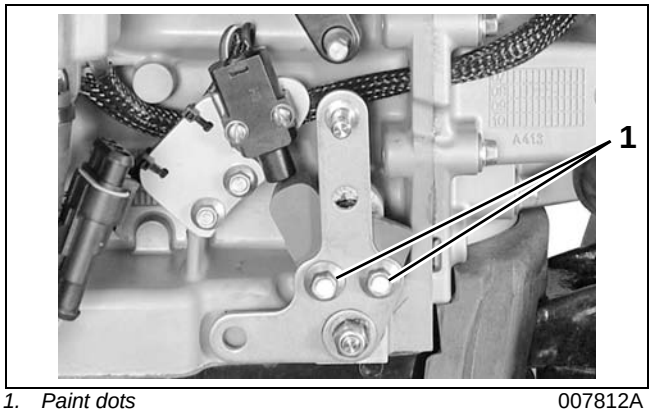
PROBLEM

The shift lever screws on some engines may not be installed correctly. Screws may loosen and shift linkage adjustment could change. A possible no start situation could occur. This issue can be corrected by verifying shift linkage adjustment and reinstalling the shift lever screws following the procedure outlined in this bulletin.

INSPECTION

Inspect the shift lever screws for white paint dots as shown. If white paint dots are present, the engine has been repaired.

If the paint dots are not present, verify shift linkage adjustment and check that the shift lever screws are properly installed.



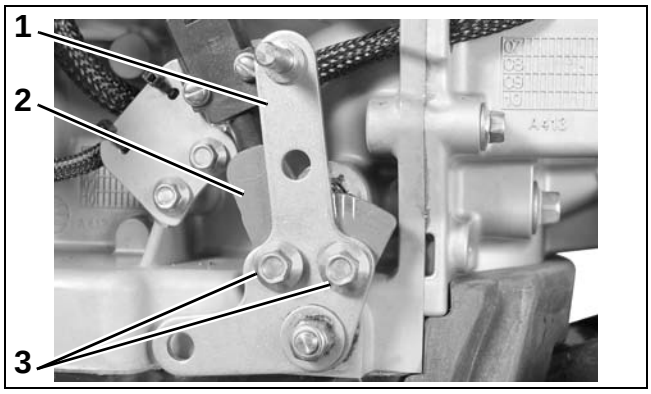
1. Paint dots 007812A

PROCEDURE

Adjust Shift Linkage

STEP 1: Move the shift lever into neutral position.

- Make sure shift lever detent is in neutral position.
- Make sure gearcase is in neutral.
- Loosen two shift lever screws.

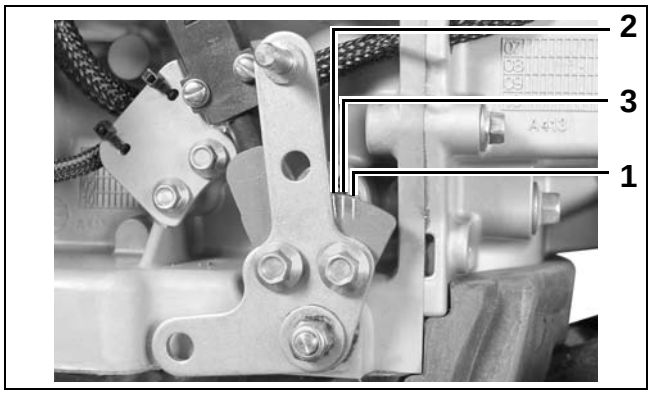


1. Shift lever 008461
2. Shift lever detent
3. Shift lever screws

STEP 2: Find the shift lever midpoint.

- Move the shift lever forward to the limit of free play. Mark this as forward line on the neutral detent.
- Move the shift lever rearward to the limit of free play. Mark this as rearward line on the neutral detent.
- Measure the midpoint between the forward and rearward lines. Make a third line on the neutral detent. Mark this as midpoint line.

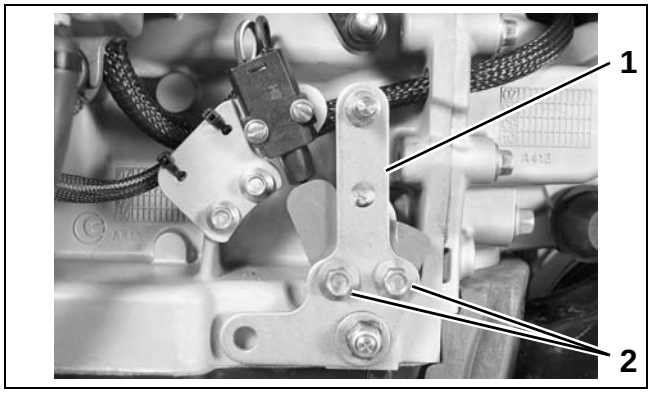
- Align the shift lever with the midpoint line.



1. *Forward line* 008461
2. *Rearward line*
3. *Midpoint line*

STEP 3: Secure the shift lever to the shift lever detent.

- Remove one shift lever screw. Clean screw and apply *Nut Lock* to threads.
- Reinstall the shift lever screw.
- Hold shift lever on midpoint line and tighten screw to a torque of 80 to 106 in. lbs. (9 to 12 N·m).
- Remove remaining shift lever screw. Clean screw and apply *Nut Lock* to threads. Reinstall and tighten screw to a torque of 80 to 106 in. lbs. (9 to 12 N·m).

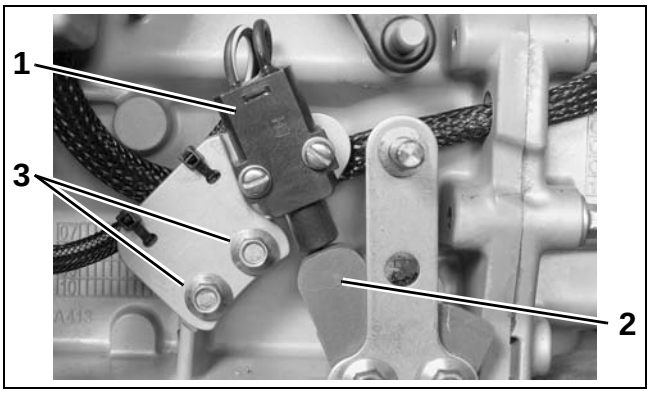


1. *Shift lever* 008463
2. *Shift lever screws*

Adjust Neutral Switch

Make sure the neutral switch is centered on shift lever detent.

- Loosen the two neutral switch bracket screws.
- Center the neutral switch on the lobe of the shift lever detent.
- Hold neutral switch bracket in position and tighten screws to a torque of 35 to 60 in. lbs. (4 to 6.8 N·m).



1. *Neutral switch* 008462
2. *Lobe of the shift lever detent*
3. *Neutral switch bracket screws*

Check Neutral Switch Operation

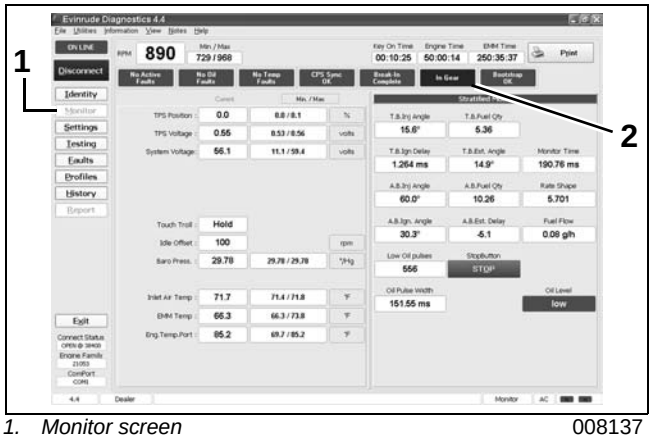
Use *Evinrude Diagnostics* software "Monitor" screen to confirm neutral switch operation.

Shift the engine from NEUTRAL to FORWARD gear. The Neutral / In Gear indicator must indicate "In Gear."

Shift the engine from FORWARD gear to NEUTRAL. The Neutral / In Gear indicator must indicate "Neutral."

Shift the engine from NEUTRAL to REVERSE gear. The Neutral / In Gear indicator must indicate "In Gear."

Shift the engine from REVERSE gear to NEUTRAL. The Neutral / In Gear indicator must indicate "Neutral."



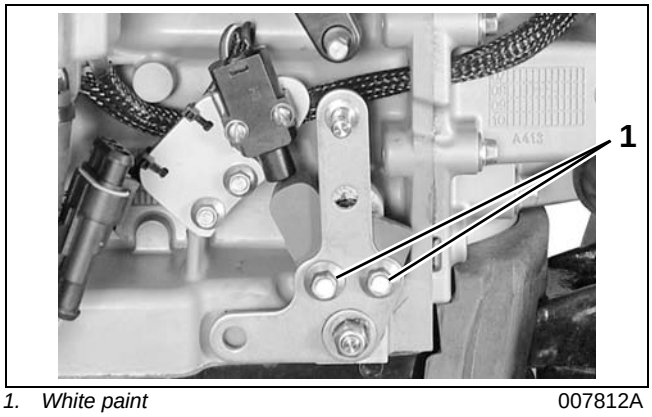
1. *Monitor screen* 008137
2. *Neutral / In Gear indicator*

Readjust the neutral switch and confirm neutral switch operation if the Neutral / In Gear indicator does not match engine shift position.

Identification

Outboards with repaired shift lever screws must be easily identified.

Apply white paint to the shift lever screws as shown, to indicate the repair has been completed.



1. White paint 007812A

If this repair is performed under warranty, you will be required to submit a standard warranty claim for shift lever repair using flat rate code H111.

EVINRUDE® E-TEC®

BRP

OUTBOARDS

WARRANTY

Bulletin

Suggested Routing:

☐ Service ☐ Sales ☐ Parts

⚠ **NOTE: Repair only if described symptoms exists or are noticed.**

Date: October 29, 2010 **No.** 2010-08(W)

MODELS: 2010 and 2011 *Evinrude*® *E-TEC*® 115-300 HP outboards

SUBJECT: Starter Drive Gear Engagement

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers of a possible starter drive gear engagement issue on some 2010 and 2011 *Evinrude E-TEC* 115 - 300 HP outboards. Replacement starter motor assemblies, P/N 586957 and P/N 586890, may also experience this issue.

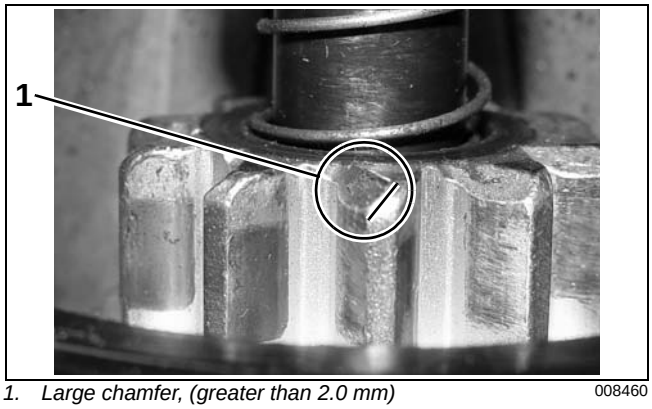
PROBLEM

A limited quantity of starter drive gears may be machined with the wrong chamfer (beveled edge) on the teeth of the gears. If this condition exists, the starter drive gear (bendix) may not engage the ring gear of the flywheel and the starting process can fail. Service replacement starter motor assemblies, P/N 586957 and P/N 586890, could experience this issue.

INSPECTION

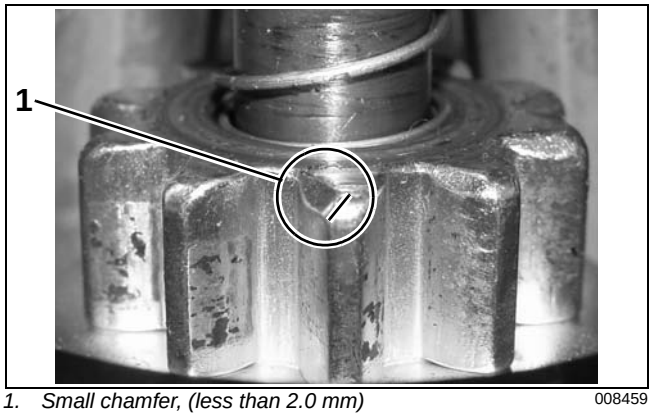
IMPORTANT: Check battery, wiring, and connections. Do not use wing nuts for battery connections. Perform electric start tests. Refer to the ELECTRICAL section of a 2010 or 2011 model year, 60°V 115-200 HP or 90°V 200-300 HP *Evinrude E-TEC Service Manuals.*

Remove starter motor assembly and identify the chamfer on the teeth of the starter drive gear. If the starter drive gear has a large chamfer as shown below (greater than 2.0 mm), replacement is NOT needed.



1. Large chamfer, (greater than 2.0 mm) 008460

If the starter drive gear has a small chamfer as shown below (less than 2.0 mm), replacement MAY be needed.



1. Small chamfer, (less than 2.0 mm) 008459

IMPORTANT: Starter motor replacement is ONLY recommended if engine exhibits ongoing starter drive gear engagement issues.

REPAIR PROCEDURE

Order and replace the starter motor assembly.

115 - 200 HP 60°V4/V6 models: Use starter motor assembly, P/N 586957.

200 - 300 HP 90°V6 models: Use starter motor assembly, P/N 586890.

Install the starter motor assembly following service manual procedures.

If the starter is replaced under warranty, you will be required to submit a warranty claim and return the original starter motor assembly.

3 5 5 7 5 3

EVINRUDE E-TEC | BRP

OUTBOARDS

WARRANTY

Bulletin

W

Suggested Routing:

☐ Service ☐ Sales ☐ Parts

EPA CAMPAIGN

⚠ **WARNING All involved customers must be notified, all involved units must be corrected as per instructions herein.**

Date: November 3, 2010 **No.** 2010-09(W)

MODELS: 2011 *Evinrude*® *E-TEC*® 15 HP, 25 HP, and 30 HP Outboards.

SUBJECT: Engine Management Software Update

Dear *Evinrude/Johnson*® Dealers:

This communication is to inform *Evinrude* and *Johnson* dealers in North America of an important U.S. Environmental Protection Agency (EPA) campaign which requires verifying and possibly updating engine management software on certain 2011 *Evinrude E-TEC* 15–30 HP outboard models.

BRP recommends ALL affected outboard models be inspected or repaired.

Please contact customers who have purchased affected outboards and request they schedule this warranty update.

PROBLEM

Calibration settings on affected models have been found to increase emissions and increase fuel consumption. This issue is corrected by installing updated engine management software on affected outboard models.

In North America, this notice is sent to you in compliance with the requirements of the U.S. Environmental Protection Agency (EPA).

BRP US, Inc. (BRP) is conducting a voluntary recall of certain 2011 *Evinrude E-TEC* 15–30 HP outboard engines sold in the United States. As defined in Title 40 of the Code of Federal Regulations (CFR), as a manufacturer, BRP is required to correct engines that may be emitting pollutants in excess of the Federal emission standards.

Registered owners of affected outboards in North America will receive a letter instructing them to return their outboard to an authorized *Evinrude* or *Johnson* dealer to complete this engine management software update.

AFFECTED MODELS

IMPORTANT: DO NOT sell, deliver, or use any affected outboards until this engine management software update has been completed.

Affected Models			
Model Year	**HP**	**Model Number**	**Affected Serial Number Range**
2011	15 HP	E15DHPLIIC E15HPSLIIS E15DHTLIIC E15HTSLIIS	5283875 to 5289986
	25 HP	E25DRIIR E25DTEIIR E25DRLIIR E25DRSLIIS E25TESLIIS E25DPLIIR E25DPSLIIS E25DTLIIR E25DTSLIIS	
	30 HP	E30DRIIR E30DRSIIS E30DPLIIR E30DPSLIIS E30DRLIIR E30DTLIIR	

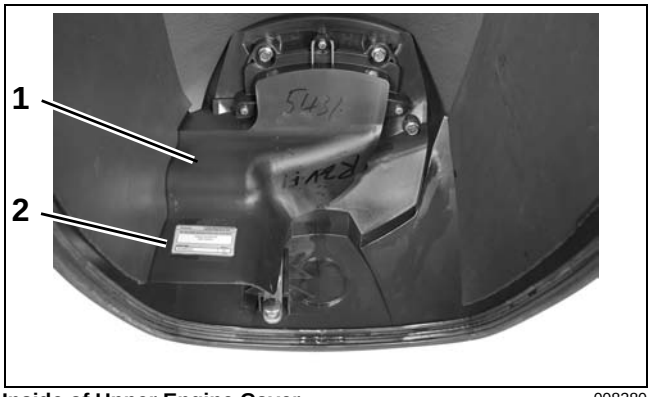
INSPECTION

If the engine is still in the shipping carton, inspect the wrap-around label. An “X” mark identifies the engine management software update has been completed at the factory.

Wrap-around Label 008378
1. “X” mark

If the engine has been removed from the shipping carton, remove the upper engine cover.

Inspect inside the upper engine cover. Look for an EPA Recall Label, P/N 355827, attached to the baffle. If an EPA Recall Label is present, the engine management software update has been completed.



Inside of Upper Engine Cover 008380
1. Baffle
2. EPA label

If an EPA Recall Label or other identification marks are NOT present, the engine management software MUST be verified. See **“PROCEDURE”** .

PROCEDURE

IMPORTANT: To comply with Title 40 CFR and the Federal Clean Air Act, an EPA Recall Label MUST be attached to the engine to indicate recall work is complete. Refer to Administrative Bulletin 2010-03(A).

Registered owners of affected outboards received the required EPA Recall Label with their instruction letter. If the owner does not provide the EPA Recall Label, order EPA Recall Label, P/N 355827.

For engines in dealer stock, order EPA Recall Label, P/N 355827, for each engine that requires the engine management software update. For assistance with EPA Recall Labels, contact the BRP Warranty Department.

Use *Evinrude Diagnostics* software to view the "Identity Screen." Record the engine management software version and revision numbers.

1. Identity Screen 008136
2. Software Revision

Save and print an “Engine Identification Report.”

A record of the original engine management software (version and revision numbers) and the new engine management software (version and revision numbers) MUST be recorded and retained with your service records.

Compare the software revision number in the outboard’s *EMM* to the software revision number listed in the following software table.

Software Table		
Horsepower and Model Suffix	**Software P/N**	**Revision (PCN)**
15 HP IIC, IIS	3030454	19470
25 HP IIR, IIS	3030411	17949
30 HP IIR, IIS	3030358	17950

IMPORTANT: If the software revision number in the *EMM* is lower, update the *EMM* software to a revision number listed in the table or the latest revision available online for this model.

Log into *DealerPort* (www.dealerport.com).
Click **Engine Software**.

1. Engine Software link 005511

Click **Engine Software Update (maps).**

Click **Evinrude E-TEC Windows & PDA (maps).**

Click **Evinrude E-TEC Inline - 15 HP to 90 HP.**

Scroll to the list of software part numbers. Locate the appropriate **Software P/N**, based on the horsepower and model suffix.

Click **Get Map**. (Save file to a known location.)

After downloading the file and opening it, the program will extract software into files for use with *Evinrude Diagnostics* software.

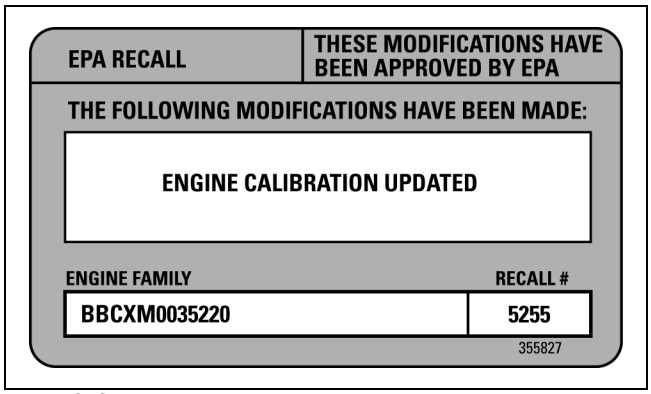
Always use the latest version of *Evinrude Diagnostics* software to install the *EMM* software update in the outboard. *Evinrude Diagnostics v*ersion 4.6 is presently available online.

Check the “Identity Screen” to confirm the correct software version and revision numbers have been installed.

Save and print a second “Engine Identification Report.”

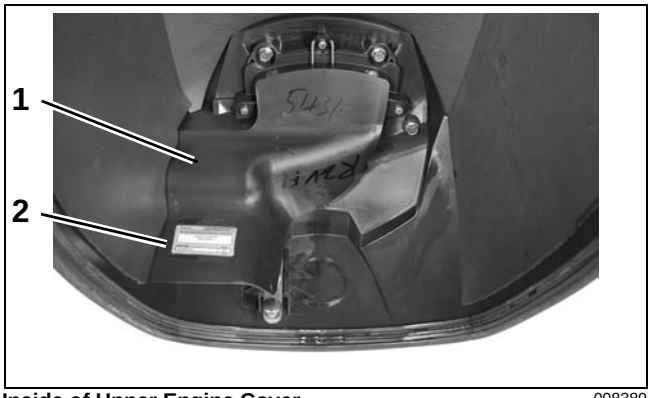
IDENTIFICATION PROCEDURE

Outboards repaired under this EPA campaign MUST be labeled with an EPA Recall Label, P/N 355827.



EPA Label 008381

Clean oil or grease from the baffle inside the engine cover. Attach EPA Recall Label, P/N 355827, to the baffle as shown.



Inside of Upper Engine Cover 008380
1. Baffle
2. EPA label

DEALER RESPONSIBILITY

Contact all of your customers who have purchased or operate an affected outboard and schedule service appointments to inspect for required repair. Refer to **“AFFECTED MODELS”** .

Affected outboards in stock should be repaired before delivering to customers.

ONLY authorized servicing dealers may perform warranty repairs.

CAMPAIGN CLAIM ENTRY

Complete documentation of this repair is required for reporting campaign progress to the U.S. EPA.

Submit an online Campaign Claim for updating the engine software.

- Use this campaign claim to submit warranty allowance requests on engines listed as AFFECTED MODELS.
- Do not use this campaign claim to submit normal warranty allowance requests.

BRP will not accept other labor or parts on the warranty allowance request for this EPA campaign.

Credit will be applied in accordance with established warranty rates listed in the current dealer warranty database.

DealerPort Users

Complete an online Campaign Claim.

Dealers using *DealerPort* must include the following information with the Campaign Claim:

- Enter engine serial number
- Use Failing Part Number – **9999997**

Dealers may submit a printed Warranty Allowance Request, P/N 773629. Use the following information:

- Flat Rate Code - **EM01** (0.5 hours)
- Failing Part Number - **9999997**
- Customer Comment Code - **239**
- Bulletin Number - 2**010-09(W)**

BOSSWeb Users (U.S. Dealers Only)

Dealers using *BossWeb* must include the following information with the Campaign Claim:

- Use Campaign Number **5255**

Payment

Credit for 0.5 hours labor and parts will be issued.

Mailing Address:

- **North American Dealers —** The address is:

BRP US Inc. / Outboard Engines Division
After Sales Support
P.O. Box 597
Sturtevant, WI 53177

- **Dealers outside North American —** Contact your regional office.

For additional information in the U.S. and Canada call 1-800-888-4662. Dealers outside of North American should contact their regional office.