



INSTALLATION INSTRUCTIONS

For safety reasons, this kit must be installed by an authorized *Evinrude/Johnson* dealer. These installation instructions contain information that can help prevent personal injury and damage to equipment. Understand the following symbol before proceeding:

WARNING

Indicates a potentially hazardous situation which, if not avoided, CAN result in severe injury or death.

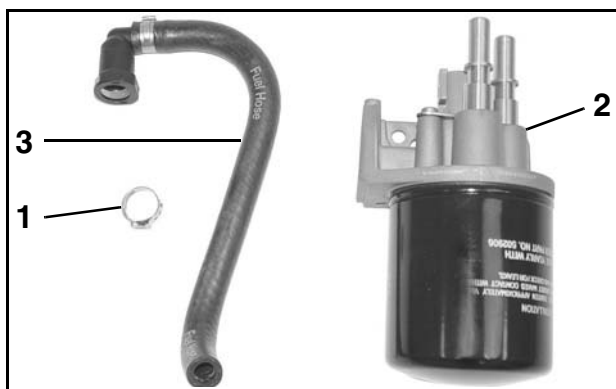
TO THE INSTALLER

Give this sheet to the owner. Advise the owner of any special operation or maintenance information contained in the instructions. This kit is designed for specific applicable models only. It is not recommended for units other than those for which it was sold.

This kit replaces the fuel filter housing assembly on 1999 – 2001 90° V6 models with Ficht® Fuel Injection.

Installation of this kit involves procedures described in the *Evinrude* Service Manual. Before servicing, review the Safety section in the *Evinrude* Service Manual.

CONTENTS OF KIT



000882

Ref	P/N	Name of Part	Qty
1	348839	Clamp, 17.0 mm	1
2	5001252	Filter Housing Assembly, Fuel	1
3	5004687	Hose, Pump to filter	1

(continued on reverse)

REMOVAL

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 engine battery cables at the battery.

IMPORTANT: Note position of all hoses and wiring prior to disassembly.

Remove air silencer.

Remove solenoid to starter cable. Remove the battery negative (-) cable from the starter frame.

Remove the four starter frame and bracket screws. Lift and remove the starter.

Wrap a shop towel completely around the fuel line (out) connector. Press the fuel line (out) connector release button and slowly pull connector off, allowing the shop towel to absorb any residual fuel remaining in the system.

Disconnect water-in-fuel sensor connector.

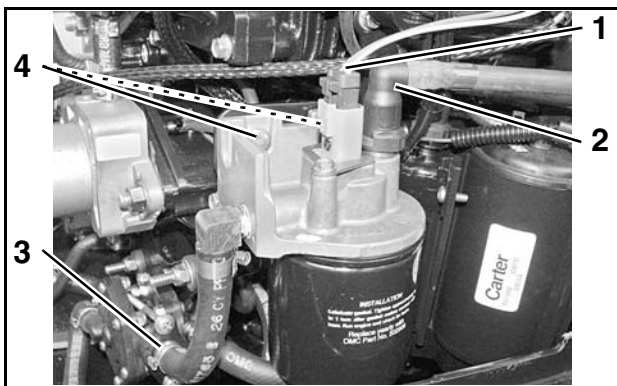


Disconnect the fuel line (out) connector from the filter housing.

Remove the fuel line at the fuel lift pump.

IMPORTANT: DO NOT use excessive force to remove the Oetiker clamp. Doing so can damage the hose fitting.

Remove the two screws attaching the filter housing bracket to the powerhead.



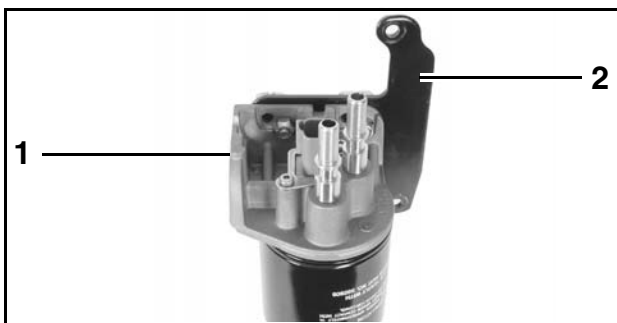
1. Water-in-fuel sensor connector
2. Fuel line (out)
3. Oetiker clamp
4. Mounting screw

000881

DISASSEMBLY / ASSEMBLY

Remove the two screws attaching the filter housing to the bracket.

Attach the new filter housing to the housing bracket. Tighten to a torque of 100 to 110 in. lbs. (11.3 to 12.4 N.m).



1. Filter housing
2. Housing bracket

000879

INSTALLATION

IMPORTANT: Torque wrench tightening specifications must be strictly adhered to. Replace any locking fastener (locknut or patch screw) if its locking feature becomes weak. Definite resistance to turning must be felt when reusing a locking fastener. If replacement is specified or required because the locking fastener has become weak, use only authorized *Evinrude/Johnson* Genuine Parts.

Attach the filter housing and bracket assembly to the powerhead. Tighten to a torque of 60 to 80 in. lbs. (6.8 to 9.5 N.m).

Apply *Locquic Primer* and *Nut Lock* to the threads of the four starter mounting screws. Position starter and install the mounting screws and lock washers.

IMPORTANT: Pay close attention when installing the starter and mounting screws. DO NOT pinch the oil lines or fuel lines when securing the starter.

First, tighten the top two screws, then the bottom two screws, to a torque of 14 to 16 ft. lbs. (19 to 22 N·m).

Attach the battery negative (–) cable to the starter frame.

Attach the starter cable solenoid to the starter's positive terminal.

Coat connections with *Black Neoprene Dip*.

Connect water-in-fuel sensor connector.

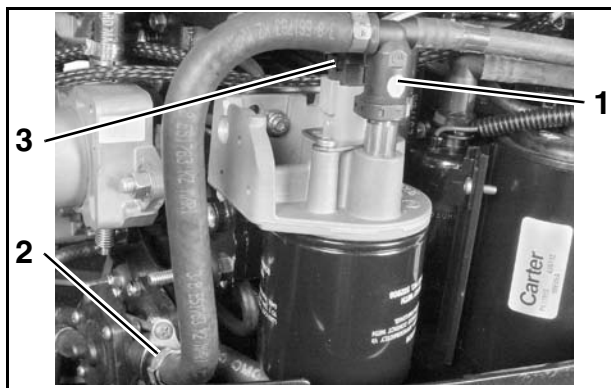
Connect the fuel line (out) connector to the filter housing.

Connect the new fuel line (in) connector to the filter housing.

An audible click will signal proper connection. Additionally, the connector release button should pop out to a flush position.

To verify proper connection, pull up on the connector without pressing the release button. The connector should not disconnect from the fitting.

Place the supplied Oetiker clamp over the fuel line, then install the line on the fuel lift pump fitting. Follow recommended procedures for correct crimping of the clamp.



1. Fuel line (in)
2. Oetiker clamp
3. Water-in-fuel sensor connector

000880

Squeeze primer bulb to prime fuel system. Hold pressure on bulb and observe for fuel leaks. Install air silencer. Connect battery cables. Run outboard and check for fuel leaks. Repair any fuel leaks.

	WARNING	
Failure to check for fuel leakage could allow a leak to go undetected, resulting in fire or explosion.		