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## Official Recall Notification U.S. Federal Boat Safety Act

## Mercury Diesel 2.8L/4.2L Tier 2 Fuel Return Hose Replacement

### NOTICE

Revised September 2016. This service bulletin supersedes the previous service bulletin number 2016-64/OEM 2016-64 May 2016.

### Models Affected

Models Covered	Serial Number
2.8L Tier 2 models	See list
4.2L Tier 2 models	See list

**IMPORTANT:** For the complete list of affected serial numbers, refer to [List of Affected Serial Numbers by Model](#).

### Scope

Worldwide

### Situation

The flexible fuel return hose, from the fuel distribution block to the fuel injection pump, may experience a cracked or split material condition on the end of the hose, which could allow leakage of diesel fuel.

### Correction

#### Hose Removal

#### WARNING

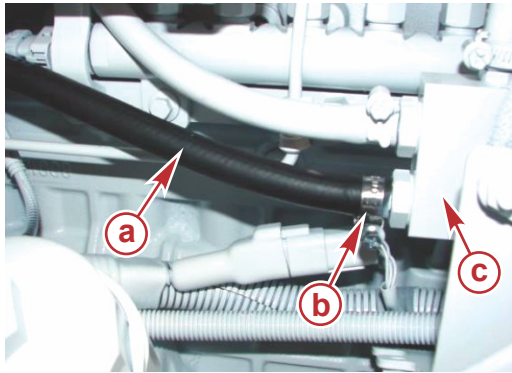
Fuel vapors trapped in the engine compartment may be an irritant, cause difficulty breathing, or may ignite resulting in a fire or explosion. Always ventilate the engine compartment before servicing the power package.

1. Allow the engine to cool to relieve fuel system pressure.
2. Position a drain pan under the fuel return hose.

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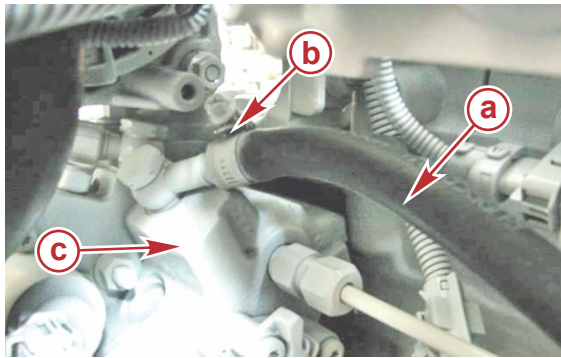
- Remove the hose clamp from the fuel return hose at the fuel distribution block.



- a** - Fuel return hose
- b** - Hose clamp
- c** - Fuel distribution block

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- Remove the hose from the fuel distribution block and drain any remaining fuel into the drain pan.
- Remove the hose clamp from the end of the fuel return hose near the fuel injection pump.



- a** - Fuel return hose
- b** - Hose clamp
- c** - Fuel injection pump

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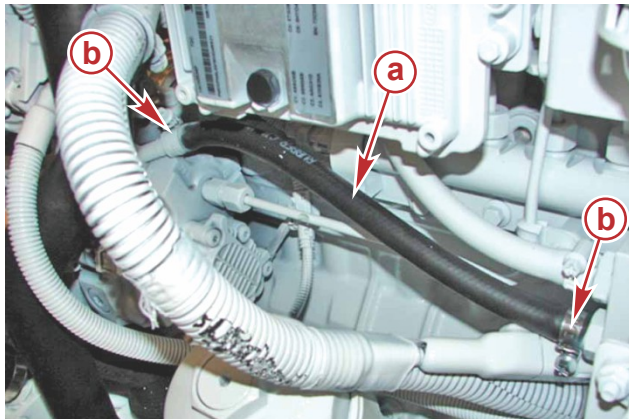
- Remove and discard the fuel return hose and hose clamps.
- Remove the drain pan from the engine compartment.

## Hose Installation

- Install the new fuel return hose between the fuel distribution block and fuel injection pump.

2.8L Tier 2 models	115 mm (4.53 in.)
4.2L Tier 2 models	295 mm (11.61 in.)

- Secure the fuel return hose with new hose clamps. Tighten the hose clamps to the specified torque.



- a** - Fuel return hose
- b** - Hose clamps

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Description	Nm	lb-in.	lb-ft
Hose clamps	1.5	13.3	-

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3. Connect a supply of raw water to the seawater inlet cooling system. Start the engine and inspect the fuel return hose for leaks.

## Parts Required

Refer to the following table for the required fuel return hose kits. One kit is required per engine.

Qty.	Description	Part Number
1	Fuel return hose kit (for 2.8L Tier 2 models)	8M0119790
1	Fuel return hose kit (for 4.2L Tier 2 models)	8M0119791

## Owner Notification

A letter will be sent to every registered owner of an affected Mercury Diesel 2.8L or 4.2L Tier 2 powered boat. The letter will advise the owner to take their boat to any Mercury Diesel authorized dealer for repair. Some affected engines will have been updated before shipment. Visit MercNET or contact Mercury Diesel Customer Service or your regional service center to determine whether repairs on a certain engine within this serial number range have been completed. As a Mercury Diesel dealer, you should also contact affected customers to make them aware of this recall and to schedule an appointment for the repair. A copy of the customer letter is attached.

## Warranty

**United States and Canada:** Mercury Marine will credit the dealer for the cost of the labor. Submit a warranty claim through your normal warranty-processing channel, listing:

- Engine serial number
- Labor: 0.5 hour
- Warranty flat rate: SB05
- Part code: 713
- Fail code: 00

If the engine is out of warranty, please contact Technical Service at (920) 929-5884 for preauthorization.

**Outside the United States and Canada:** Follow the instructions issued by your local office or by your distributor.

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## List of Affected Serial Numbers by Model

2.8L Models	4.2L Models	
Serial Numbers	Serial Numbers	Serial Numbers
88310332–88310337	88401767–88401776	88409100–88409105
88311889–88311946	88401778	88409107–88409116
88310338–88310357	88405334–88405336	88409118
88310363–88310365	88409039–88409075	88409120–88409122
88310367–88310370	88416159–88416170	88409125–88409130
88311947–88311970	88416180–88416181	88409132
88311972–88311976	88417803	88409134
88311978–88311987	88417806–88417844	88409138
88311989–88312007	88400102	88409140–88409141
88312009–88312016	88401777	88409144–88409147
88312018–88312020	88401779	88409150
88312025–88312028	88401782	88409152–88409155
88312032	88401788–88401791	88409157–88409159
88312035–88312044	88401793–88401794	88409161–88409162
88312046–88312050	88401796–88401798	88409164–88409165
88312052	88401802–88401805	88409167
88312055–88312057	88401808–88401809	88409171–88409175
88312059–88312062	88401811–88401814	88409177–88409181
88312065–88312067	88401817	88409202–88409208
88312069–88312070	88401826–88401827	88409210–88409213
88312072	88401832–88401833	88416171–88416176
88312074	88401836–88401838	88417842
88312076	88401840	88417846–88417853
88312087	88401842–88401845	88417855–88417865
88312089–88312091	88401848–88401851	88417867–88417869
88312096–88312097	88405078	88417879
88312099–88312100	88405337–88405343	88417885
–	88405346–88405347	88417891–88417893
–	88405349–88405350	88417896–88417897
–	88409076–88409098	–

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## **OFFICIAL NOTIFICATION OF FEDERAL BOAT SAFETY ACT RECALL**

Dear Mercury Marine Customer,

Thank you for your patronage. We at Mercury are dedicated to providing superior product of outstanding quality and reliability. As part of our continuing efforts to exceed our customer's expectations, we have determined that certain unscheduled service to your registered product may be necessary.

### **What is the Condition?**

We have identified a potential issue with the "on engine" fuel return hose on your vessel. You may notice a small fuel leak, most perceptible during use. If left unattended, this issue could possibly lead to a fire or explosion. Do not operate the boat until this situation has been corrected.

### **What Will We at Mercury Do?**

We have provided instructions to our authorized dealers for this service. The required service will be performed at NO COST to you.

### **What Should You Do?**

Contact your authorized Mercury dealer to schedule a service appointment. Be sure to mention Mercury Diesel Service Bulletin 2016-64R1.

Please present this notice to your authorized Mercury dealer at the time of service.

If you have any questions or no longer own this Mercury product, please contact Mercury Marine Customer Assistance, at 1-920-929-5040, between 7:30 AM and 4:30 PM, Central Time.

We have sent this notice in the interest of your continued satisfaction with our product. We sincerely regret any inconvenience this may cause you.

Thank you for boating with Mercury Marine.

Mercury Marine Customer Service