

Circulate to: Sales Manager Accounting Service Manager Technician Parts Manager

Official Recall Notification U.S. Federal Boat Safety Act

Volkswagen Marine 3.0L TDI Tier II Ultraflex Control System Replacement and Turbocharger Oil Supply Line Sealing Washers

Models Affected

Models Covered	Serial Number Or Year
3.0L TDI Tier II with Ultraflex throttle and shift control	All

Scope

Worldwide

Situation

Mercury Diesel has identified a situation with the Ultraflex Mark I electronic control system that was installed on the above mentioned engines. An electrical short inside the wire harness of the system may cause incorrect throttle position sensor data and unintended engine acceleration. This failure may result in a loss of throttle control for the vessel.

Mercury Diesel has also identified a situation whereby the oil supply line to the turbocharger could loosen. This issue has the potential to affect all engines, regardless of engine run time or engine service history. Loosening of the oil supply line can allow engine oil to leak onto hot engine components and can cause an odor, smoke, or, in rare cases, a fire.

Inspection

Determine which type of control system is present on the vessel. Vessels with engines that are currently controlled with an Ultraflex Mark I system will need the system updated to an Ultraflex Mark II. If the vessel is already equipped with an Ultraflex Mark II system, no further action with the control system is required.

Engines that have the oil sealing washers reworked by the factory or by an authorized dealer will have a mark indicating that the rework has been performed. With the engine removed from the shipping container, or installed in a boat, the rework identification will be a yellow dot placed to the left of the serial number decal.

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NOTE: A green dot may also be found. The green dot indicates that the oil supply line has already been updated. If a green dot is not found, please refer to **Mercury Diesel Service Bulletin 2014-68**.



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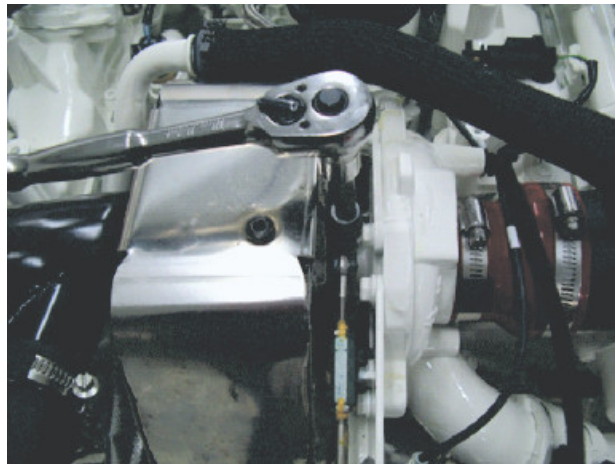
Correction

Control System

Remove all of the existing components of the Ultraflex Mark I control system and replace it with the new Ultraflex Mark II system. Installation and programming instructions are included with the Ultraflex kit.

Oil Supply Line Sealing Washers

1. Remove the engine cover.
2. Remove the hollow bolt securing the oil supply line to the turbocharger.



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Oil supply line hollow bolt

3. Remove the sealing washers on each side of the hollow bolt fitting.

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4. Install new sealing washers and tighten the hollow bolt finger-tight.



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5. Tighten the hollow bolt to the specified torque.



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Proper torque

Description	Nm	lb-in.	lb-ft
Hollow bolt	20	177	–

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- Affix a yellow dot next to the serial number decal to indicate that the rework has been performed.



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Yellow dot location

Parts Required

Qty.	Description	Part Number
1	Ultraflex Mark II control kit	See note below
2	Sealing washer	8M0124968

NOTE: The Ultraflex Mark II control kit part number is dependent on the engine serial number installed in the boat. Please contact your EMEA Technical Support Representative to determine the correct parts.

Owner Notification

A letter will be sent to every registered owner of an affected Mercury Diesel engine. The letter will reference Mercury Diesel Service Bulletin 2017-63 and will advise the owner to contact their selling dealer or a Mercury Diesel authorized dealer for inspection or repair. A copy of the customer letter is included with this service bulletin for your reference.

Warranty

Mercury Diesel will credit the dealer for the cost of parts and labor. Submit a warranty claim through your normal warranty processing channel, listing:

IMPORTANT: The affidavit on the last page of this bulletin is mandatory and must be completed and returned prior to receiving credit.

- Engine serial number
- Warranty flat rate code: SB40, SB05
- Labor: 4.0 hours, 0.5 hours
- Qty. 1 Ultraflex Mark II kit
- Qty. 2 of sealing washer—P/N 8M0124968
- Part code: 929
- Fail code: 00

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Mandatory Affidavit—Please Read and Take Action

Must Complete and Submit for Credit

Reference Mercury Diesel Service Bulletin 2017-63

I certify that upon completion of the actions required by the above service bulletin; I have rendered inoperative the replaced Ultraflex parts and oil line sealing washers listed in this service bulletin, and properly disposed of them so no further practical use exists.

NOTE: *If the bulletin required removal and replacement of the item, it must be destroyed.*

This affidavit applies to the following engine serial numbers:

- _____
- _____
- _____
- _____

Dealer name:	
Dealer address:	
Dealer number:	
Authorized signature:	
Date:	

Return the claim with a copy of this affidavit to your local sales/service office or distributor for proper credit.

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OFFICIAL NOTIFICATION OF FEDERAL BOAT SAFETY ACT RECALL

Dear Customer,

Thank you for the purchase of your Volkswagen Marine power package. Mercury Marine, is authorized to distribute and service Volkswagen marine engines and is dedicated to providing superior products and customer satisfaction for all of your boating needs. Through our collaborative efforts with Volkswagen Powersystems, we have determined that your power package must be recalled so that we may perform updates required to ensure the safe and reliable use of your power package.

What is the condition?

We have identified a potential issue with Ultraflex control system on your vessel. You may notice an unintended acceleration, most perceptible in the event of a fault in the throttle position sensor. If left unattended, this issue could possibly lead to a loss of throttle control of the engine. Do not operate the boat until this situation has been corrected. Along with replacement of the Ultraflex control system the sealing washers on the turbocharger oil supply line will also be replaced.

What will Mercury Marine do?

We have provided instructions to our dealers on the updates to be performed to your power package.

What should you do?

Please contact your authorized Mercury Diesel servicing dealer and mention this letter regarding necessary updates to your power package. Also mention Mercury Diesel Service Bulletin 2017-63 and schedule an appointment to have the updates performed. Your servicing dealer will be able to determine how long the repair will take. This update will be performed at no charge to you.

What if you have other questions or if you no longer own this engine?

Please contact your Mercury Diesel dealer or call Mercury Diesel Customer Service at (920) 929-5040.

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

Thank you for boating with Mercury Marine!

Mercury Marine Service