



# Service Bulletin

Bulletin No. 2017-66

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 Oil Line Sealing Washers, EDC Calibration, Turbocharger Load Distribution Ring, and Exhaust High Riser Updates

### Models Affected

Models Covered	Serial Number Designations
3.0L TDI Tier II Diesel Engines	BSP and CEZ Tier II and prior

### Scope

Worldwide

### Situation

Mercury Diesel has learned of durability issues of the 3.0L TDI Tier II and prior engine families that require updates under the U.S. Federal Boat Safety Act. These updates allow the engine controller to provide Guardian function for critical engine parameters along with improvements to the turbocharger and exhaust system.

Failure to complete these updates may result in significant engine damage and/or an engine room fire that may cause personal injury or loss of life.

These updates should be performed as soon as possible. Haul out and technician travel time expenses may be allowed when addressing the actions described in this bulletin.

### Inspection

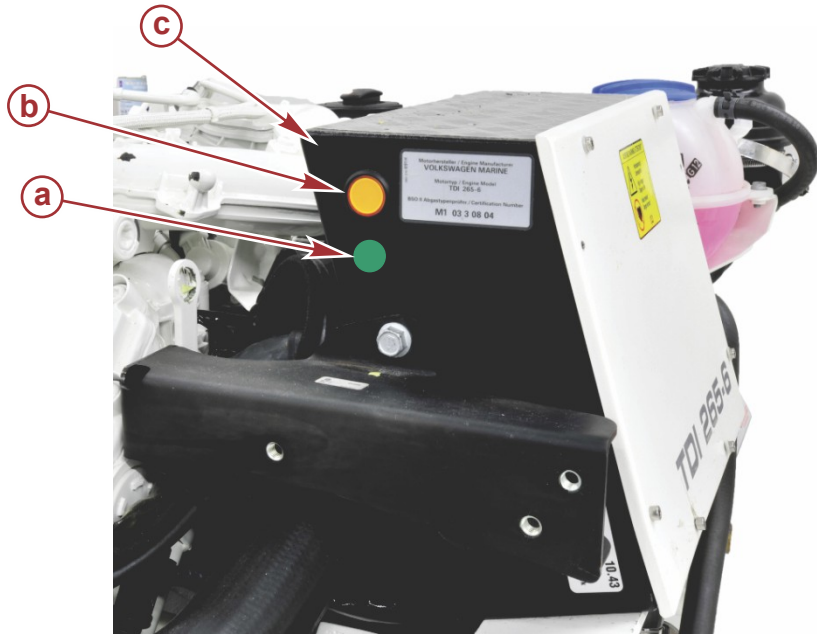
The following items should be inspected prior to ordering any parts:

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**Volkswagen Marine 3.0L TDI Tier II Oil Line Sealing Washers, EDC Calibration, Turbocharger Load Distribution Ring, and Exhaust High Riser Updates**

- Inspect for a green dot on the side of the central electrical panel near the oil extraction pump button. The green dot represents that the updates have been completed by the factory or an authorized dealer and no further action is required. No green dot represents the updates need to be done.



**Green dot placement**  
**a** - Green dot  
**b** - Oil extraction pump button  
**c** - Central electrical panel

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**Correction**

Depending on the engine model, these updates may include:

- Oil supply line sealing washers
- Turbocharger load distribution ring
- Electronic diesel controller (EDC)

**NOTE:** The replacement of the new EDC will require using the SCANDI service tool to reassign the fuel injector location.

- Exhaust high riser kit

**NOTE:** If the engine has an exhaust high riser system installed, replacement of the exhaust high riser and an exhaust water bypass kit will be required.

**Parts Required**

Please refer to the following tables for the update kit required for your engine. Specific installation instructions are provided within each kit.

**BSP Serialized Engines**

**EDC Update Kit**

Qty.	Description	Part Number
1 per engine	225 HP EDC update kit including sealing washers	8M0126087

**CEZ Serialized Engines**

**Turbocharger Load Distribution Ring Update Kit**

Qty.	Description	Part Number
1 per engine	Turbocharger load distribution ring update kit	8M0126088

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## Turbocharger Load Distribution Ring and Exhaust High Riser Update Kit

**NOTE:** The exhaust high riser kit is only needed if the engine already has an existing exhaust high riser installed. To perform this update, the vessel will need to be removed from the water.

Qty.	Description	Part Number
1 per engine (if required)	Turbocharger load distribution ring and exhaust high riser update kit	8M0126089

## EDC Update Kit

Qty.	Description	Part Number
1 per engine	100 HP EDC kit	8M0124448
1 per engine	225 HP EDC kit	8M0124447
1 per engine	230 HP EDC kit	8M0124449
1 per engine	265 HP EDC kit	8M0124450

## 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 2017-66 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

You must return the original EDC from each reworked engine to your local Marine Power distributor to receive credit.

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

Mercury Diesel will credit the dealer for the cost of parts and labor. Complete a warranty claim listing the following information:

### BSP Serialized Engines

- Engine serial number
- Labor: 1.5 hours
- Flat rate code: SB15
- Part code: 731
- Failure code: 00
- Qty. 1, EDC kit (8M0126087)

### CEZ Serialized Engines With Exhaust High Riser Installed

- Engine serial number
- Labor: 3.7 hours
- Flat rate code: SB30 and SB07
- Up to 100 Euro for haulage expenses
- Part code: 477
- Failure code: 00
- Qty. 1, complete update kit with exhaust high riser (8M0126089)
- Qty. 1, EDC kit (refer to the **EDC Update Kit** table previously mentioned)

### CEZ Serialized Engines Without Exhaust High Riser Installed

- Engine serial number
- Labor: 3.1 hours
- Flat rate code: SB30 and SB01
- Part code: 477

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- Failure code: 00
- Qty. 1, complete update kit (8M0126088)
- Qty. 1, EDC kit (refer to the **EDC Update Kit** table previously mentioned)

**United States and Canada:** Complete and process the claim via MercNET or return a warranty claim form.

**International:** Follow instructions issued by the Marine Power International office or by an authorized Marine Power Distributor.

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## Mandatory Affidavit—Please Read and Take Action

### Must Complete and Submit for Credit

Reference Mercury Diesel Service Bulletin 2017-66

I certify that upon completion of the actions required by the above service bulletin; I have rendered inoperative and properly disposed of the exhaust high riser, if so replaced, so that no further practical use exists for it. Examples of rendering inoperative could include cutting the high riser into two pieces or crushing it. Refer to the example of a destroyed high riser in the photo below.

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



**Example of destroyed high riser**

This affidavit applies to the following engine serial numbers:

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Dealer name: \_\_\_\_\_

Dealer address: \_\_\_\_\_  
\_\_\_\_\_

Dealer number: \_\_\_\_\_

Authorized signature: \_\_\_\_\_

Date: \_\_\_\_\_

Return the claim, the engine ECU with the serial number written on it using indelible ink, and the original 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?**

Your power package must have the induction system, engine controller, and in some cases the exhaust riser updated. **Failure to complete these updates may result in significant engine damage and/or an engine room fire that may cause personal injury or loss of life.**

### **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 2017-66 and schedule an appointment to have the updates performed. Your servicing dealer will be able to determine how long the repair will take. The 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