

Circulate to: Sales Manager Accounting Service Manager Technician Parts Manager

4.5L Sterndrive Engine Flame Arrestor Clamp

Models Affected

| Models Covered | Serial Number Or Year |
|-----------------------------|-----------------------|
| All Sterndrive 4.5L Engines | 2A441953–2A446695 |
| | 2A460301–2A460322 |

Scope

Worldwide

Situation

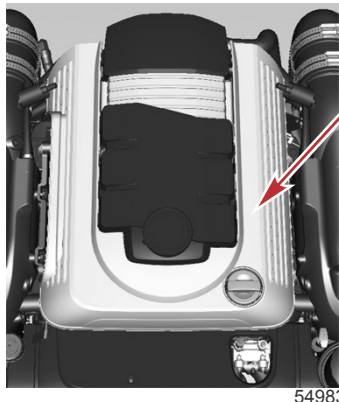
Mercury MerCruiser has observed that the position of the clamp on the flame arrestor may have resulted in differences in the clamp load at the factory. If the clamp is too loose, the flame arrestor could fall off.

Correction

⚠ WARNING

Fuel is flammable and explosive. Ensure that the key switch is off and the lanyard is positioned so that the engine cannot start. Do not smoke or allow sources of spark or open flame in the area while servicing. Keep the work area well ventilated and avoid prolonged exposure to vapors. Always check for leaks before attempting to start the engine, and wipe up any spilled fuel immediately.

1. There are two engine covers you must remove to access the flame arrestor:
 - a. Pull the outside engine cover up to remove it from the four rubber mount grommets.



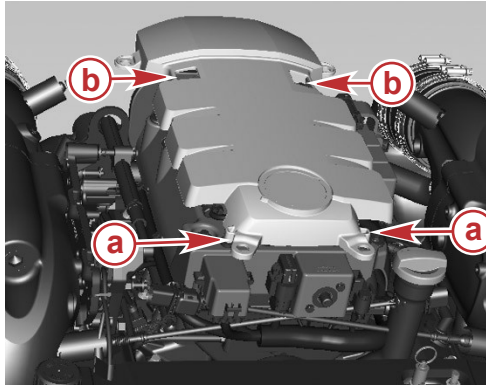
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- b. Lift up on the front of the second cover to disengage the cover from the front grommets. Pull the cover towards the front of the vessel to remove it from the two rear grommets.



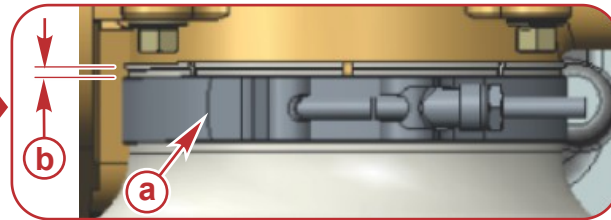
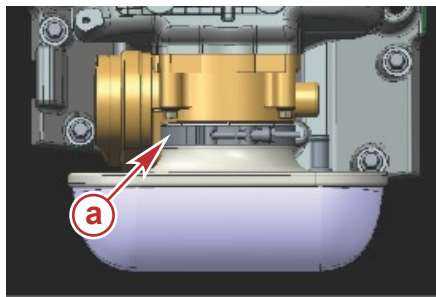
- a - Front grommets
b - Rear grommets

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2. Inspect the flame arrestor and clamp position using the location requirements pictured below and reposition as necessary.

- The clamp adjusting mechanism should be at the 12 o'clock location.
- Ensure that the clamp covers the fingers of the flame arrestor and maintains a gap between the lip on the flame arrestor and the edge of the clamp of 0–3 mm (0–0.118 in.).

IMPORTANT: Ensure that the gap is uniform all the way around the flame arrestor.



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- a - Clamp
b - The gap between the lip on the flame arrestor and the edge of the clamp

3. Tighten the clamp nut to the specified torque even if you did not have to reposition the clamp.

| Description | Nm | lb-in. | lb-ft |
|--------------------------|-----|--------|-------|
| Flame arrestor clamp nut | 6.2 | 55 | – |

4. Install the engine covers.

Parts Required

None.

Owner Notification

A letter will be sent to every registered owner of an affected 4.5L sterndrive powered boat. The letter will advise the owner to take the boat to any Mercury MerCruiser authorized dealer for inspection and repair of their power package. Some affected power packages will have been updated before shipment. Visit MercNET or contact MerCruiser Customer Service or your regional service center to determine whether repairs have already been completed on a given package. As a Mercury MerCruiser dealer, you should also contact affected customers to make them aware of this recall and to schedule an appointment for a repair. A copy of the customer letter is attached.

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Warranty

Mercury Marine will credit the dealer for the cost of the labor. Submit a warranty claim through your normal warranty-processing channel, listing the following information:

Engine serial number

Labor: 0.50 hour

Flat rate code: SB05

Part code: 787

Fail code: 00

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

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Dear Mercury MerCruiser Customer:

Thank you for your purchase of a new boat powered by a Mercury MerCruiser 4.5L engine package. We appreciate your business and hope you are enjoying your new boat. We are contacting you, however, because we believe that certain repairs to your engine package are necessary. The repairs will be performed at Mercury's expense.

SITUATION

The clamp on your engine's flame arrestor may be loose. As a result, we would like to have the engine inspected, and repaired (if necessary), in order to ensure continued enjoyable boating. Please work with your dealer to arrange to have the engine inspected as soon as possible.

WHAT YOU SHOULD DO

Contact your authorized Mercury MerCruiser dealer and make arrangements to have the flame arrestor clamp inspected and torqued. The dealer will refer to Mercury MerCruiser Service Bulletin 2015-02 for instructions. You should then deliver your boat and this letter to the dealer. If you are having difficulty obtaining repairs, please contact our Customer Contact Center at 920 929 5040 for assistance or use the dealer locator feature at www.mercurymarine.com.

If you have sold the engine or boat please contact our Registration department at 920 929 5054 or e-mail us at registration_support@mercmarine.com to provide information on the new owner. Please refer to Mercury MerCruiser Service Bulletin 2015-02 with your information.

WHAT WE WILL DO

We have informed the dealer that this issue exists, told them what to look for and how to address the issue. We will reimburse the dealer for performing the repairs in accordance with the instructions outlined in the service bulletin. There will be no cost to you to have this work performed.

We apologize for the inconvenience this recall may cause you; however, we have taken this action to ensure that your boating experience will be enjoyable and trouble-free.

Sincerely,

Mercury MerCruiser Service Department