

Warranty Information

Service Information

Bulletin No. 2003-14

Parts Information

Circulate to:

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Parts Manager

Crankcase Oil Entering the Breather - 25 Four Stroke

Models Affected

Model	Serial Number or Year
MERCURY/MARINER 25 HP Four Stroke	S/N 0G590000 through 0T549806 1998 through 2002

Situation

Crankcase oil may enter the breather and cause an oil leak from the air intake, the engine to emit excessive amounts of smoke, or both. Crankcase oil entering the breather system may be caused by overrevving the engine. If overrevving is not the cause, a new adapter plate gasket will have to be installed.

Parts Interchangeability

Previous driveshaft housing gaskets 27-825251--1, 27-825251--2, 27-825251--3, 27-825251--4, and 27-825251--6 all supersede to the new 27-825251--7 gasket.

Inspection/Test

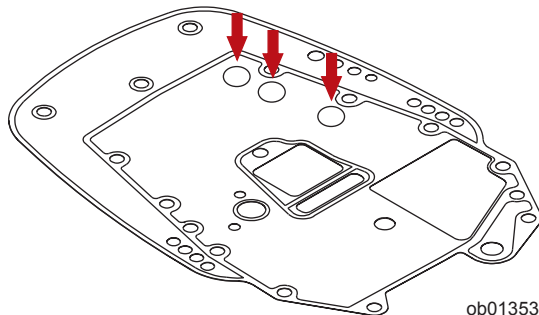
Check that the recommended engine operating range at wide open throttle (WOT) is 5500 - 6000 RPM. Engine speed should not exceed 6000 RPM. Reduce the WOT RPM by installing a higher pitch propeller.

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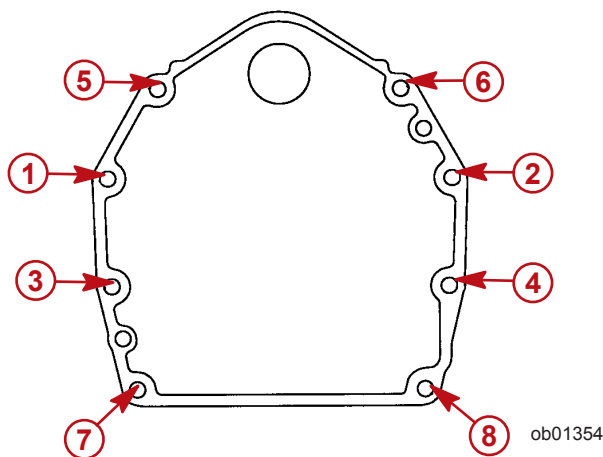
Correction

For engines in which the WOT RPM is correct, it is necessary to install a new gasket between the adapter plate and the driveshaft housing. Replacing the gasket requires the removal of the powerhead and the adaptor plate, replacement of gaskets above and below the adaptor plate, replacement of the eight powerhead bolts, and replacement of the five adaptor plate to powerhead bolts.



New driveshaft housing to adaptor plate gasket (27-825251--7)

It is very important to tighten the bolts to the correct torque and in the correct sequence.



Description	Nm	lb. in.	lb. ft.
Driveshaft Housing to Adaptor Plate Bolt Torque - Dry	38		28

Parts Required

Qty.	Description	Part Number
1	Gasket – Driveshaft Housing to Adaptor Plate	27-825251--7
1	Gasket – Powerhead 25 HP	27-825231--2
8	Bolt – Driveshaft Housing to Powerhead	10-824459110
5	Bolt – Driveshaft Housing to Adaptor Plate	10-854678-45

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Warranty

If excessive oil enters the breather system and the carburetor intake within the warranty period, correct and submit a warranty claim. Mercury Marine will credit the dealer for the cost of parts and labor until May 31, 2006.

Complete warranty claim listing:

- Outboard serial number
- Parts as listed in this bulletin
- 2.0 hours labor
- Warranty Flat Rate Code: SB20
- Part Failure Code: 449
- Failure Code: 00

US & Canada - Tag and hold the parts for 30 days after the warranty credit is received.

International - Hold the parts for inspection/disposal by a Marine Power International technical representative.

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