

VENTILATION RING, P/N 126669 or P/N 350626 INSTALLATION INSTRUCTIONS

APPLICATION

Use of a small hub propeller on a V6 gearcase **MAY** require a ventilation (weed) ring:

- to control excessive ventilation under hard acceleration, or hard turns, in some boat/outboard setups; or,
- to stop weeds from being pulled into the propeller hub between the hub and the gearcase.

Under normal conditions, exhaust gases flow over the hub of the propeller causing "slip," which allows the engine to build up RPM quickly as the boat comes on plane. At speed, water rushing past the hub limits ventilation, increasing the propeller blades' grip on the water.

If ventilation is excessive, the propeller loses contact with the water. The engine RPM will continue to increase, and the boat may not plane. A ventilation ring controls the flow of exhaust over the hub, limiting the amount of ventilation.

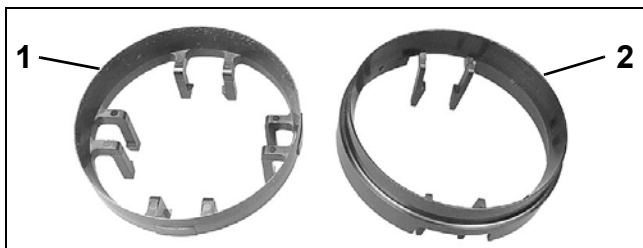
PROCEDURE

To determine if a particular boat/motor setup requires the use of a ventilation ring, run propeller on boat under hard acceleration:

- If the boat planes quickly, the use of a ventilation ring is not necessary.
- If the boat is slow to plane because of excessive propeller ventilation, identify gearcase type, install the correct ventilation ring, and retest.

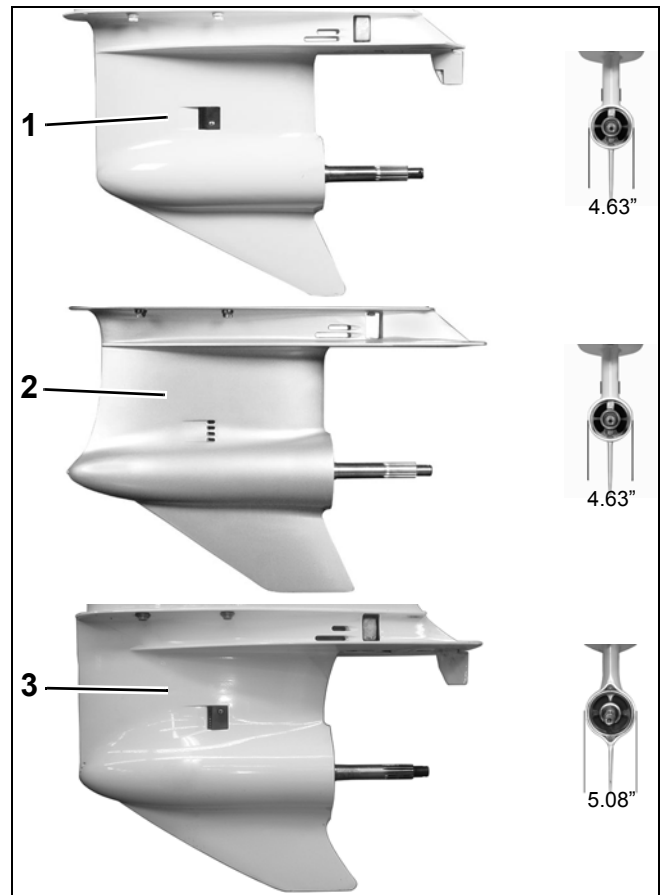
RING IDENTIFICATION

Two ventilation (weed) rings are available for use with small hub propellers on V6 gearcases.



1. Ventilation ring, P/N 126669 001292
2. Ventilation ring, P/N 350626

Gearcases using P/N 126669 Ring



1. "O"-type gearcase 000889, 000890
2. "L"-type gearcase 000887, 006605
3. "M2"-type gearcase 006606

Gearcases using P/N 350626 Ring



1. "M"-Type gearcase 000883B
2. Original propeller seal ring P/N 346462 000887



INSTALLATION



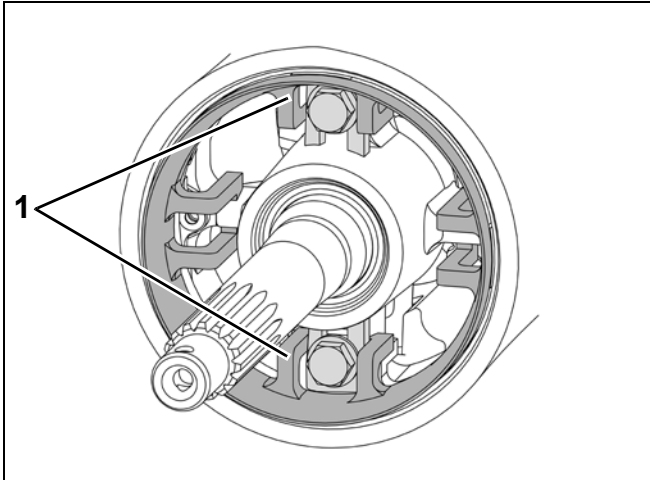
WARNING



When servicing the propeller, always shift the outboard to **NEUTRAL**, turn the key switch **OFF**, and disconnect the battery positive (+) cable so the outboard cannot be started accidentally.

“O” and “L”- Type Gearcases, P/N 126669

Snap the notched prongs on the ventilation ring over the ribs of the bearing housing.



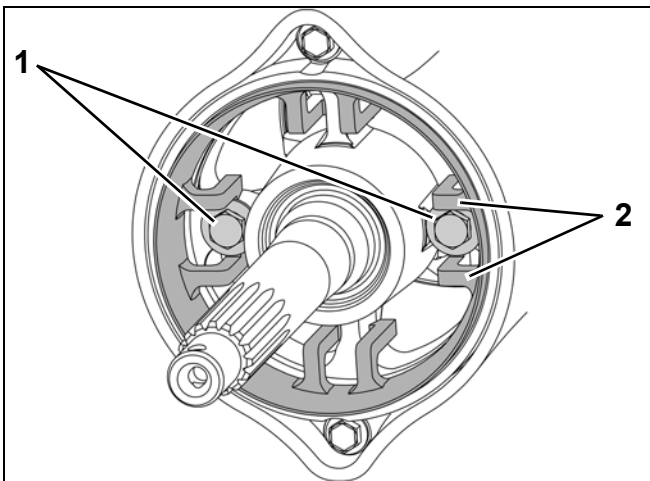
1. Notched prongs

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“M2”- Type Gearcases, P/N 126669

Apply *Gasket Sealing Compound* to the threads of two screws included in kit. Install screws and washers into the tapped holes in the propeller shaft bearing housing. Tighten to a torque of 60 to 84 in. lbs. (7 to 9.5 N·m).

Install the ventilation ring by snapping the notched prongs over the washers.



1. Screws and washers
2. Notched prongs

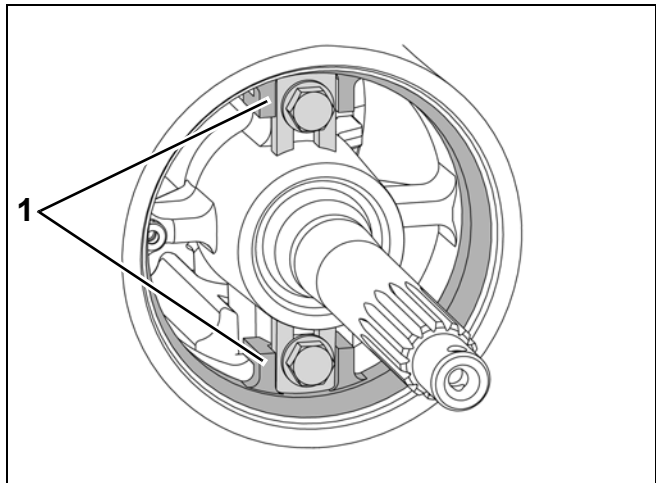
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“M”- Type Gearcases, P/N 350626

The “M”-type gearcase includes an installed propeller seal ring. If excessive ventilation is a problem with a small hub propeller, the original seal ring must be removed to install the accessory ventilation ring.

Use a pry tool to release the notched prongs of the original propeller seal ring from the bearing housing retaining tabs.

After the original ring is removed, install the ventilation ring by snapping the notched prongs over the bearing housing retaining tabs.



1. Notched prongs

006598

Retaining Tabs

IMPORTANT: For models with bearing housing retaining tabs, if tabs are removed for any reason, retainers, washers, and screws must be properly installed.

Apply *Ultra Lock*™ to screws and tighten to a torque of 18 to 20 ft. lbs. (24 to 27 N·m).

Loosen retainer screws 1/4 turn.

Install wedge, screw, and washer. Apply *Ultra Lock* to threads and tighten screw to a torque of 15 to 20 in. lbs. (1.7 to 2.3 N·m).

Re-tighten two retainer screws to 18 to 20 ft. lbs. (24 to 27 N·m).

Tighten propeller nut to a torque of 70 to 80 ft. lbs. (95 to 109 N·m).