



Service Bulletin

Bulletin No. 2009-69
CMD 2009-09

Circulate to: Sales Manager Accounting Service Manager Technician Parts Manager

New Perma-Lube Gimbal Bearing for Diesel Transoms

Models Affected

MerCruiser transom assemblies with the serial numbers listed are produced with perma-lube gimbal bearings.

Models Covered	Serial Number Range
Alpha transom	1A180260 and above
Bravo transom	1A429507 and above
Diesel Bravo	0W401503 and above
SeaCore transom	1A433306 and above

Situation

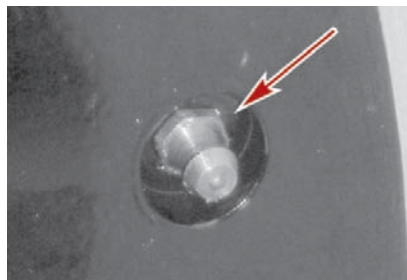
MerCruiser transom assemblies are now equipped with a sealed, permanently lubricated (perma-lube) gimbal bearing that does not require maintenance lubrication. Current production transoms use the perma-lube gimbal bearing and do not require the grease fitting on the gimbal housing or the grease retention seal in front of the gimbal bearing. The specified perma-lube gimbal bearing is the replacement gimbal bearing type for all transoms. Replacement perma-lube gimbal bearings come with a special plug to replace the grease fitting. When replacing a lube-style gimbal bearing with a perma-lube bearing, it is necessary to remove the grease fitting from the transom and install the special plug.

Ordering Parts

To order replacement gimbal bearings, use the appropriate Mercury Precision Parts Catalog. Part numbers for the new perma-lube gimbal bearing will automatically supersede the part numbers of the lube-style gimbal bearing.


Correction

1. Remove the grease fitting from the starboard side of the gimbal housing.



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2. Apply sealant to the threads of the grease passage plug.


Tube Ref No.	Description	Where Used	Part No.
 19	Perfect Seal	Grease passage plug	92-34227 1

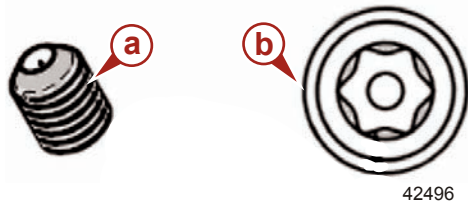
3. Use the special tool to install the grease passage plug. Tighten securely.

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New Perma-Lube Gimbal Bearing for Diesel Transoms

Description	Part Number
Bit, TORX® tamper-resistant T20	Snap-on® part number TTXR20E2
 <p>38985</p>	Drives tamper resistant size T20 TORX head plug.



- a - Grease passage plug 8M2015913 1/4-28 UNRF
- b - T20 TORX tamper resistant recess

Perma-Lube Gimbal Bearings

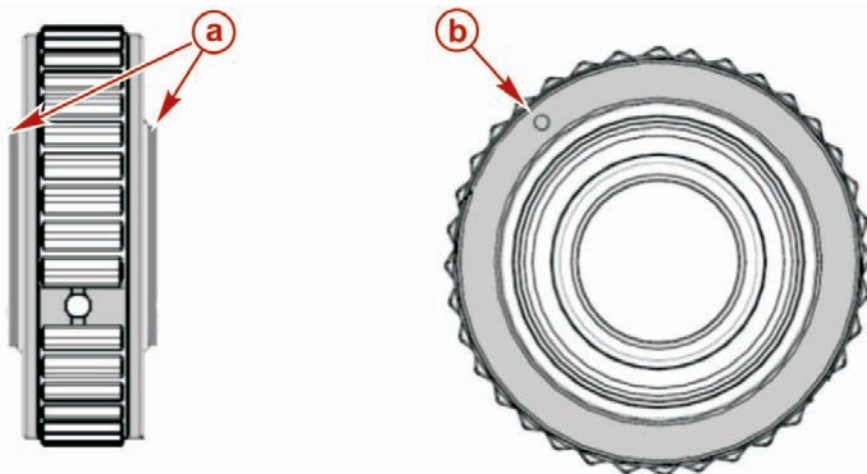
IMPORTANT: When installing the gimbal bearing, the identifying dot on the gimbal bearing should be positioned at 10 o'clock as viewed from the stern.

NOTE: Transom assemblies with perma-lube gimbal bearings do not require a grease retention seal in front of the gimbal bearing. However, when installing a new perma-lube gimbal bearing, it is not necessary to remove the seal from transoms that have the seal installed.

NOTE: Refer to the appropriate MerCruiser service manual for gimbal bearing replacement instructions.

Identification

NOTE: Used on Alpha One (Gen II) and Bravo transoms

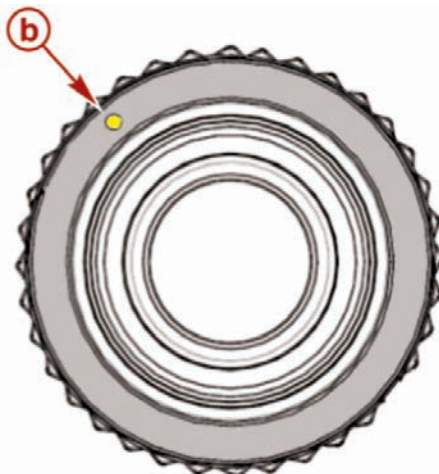


- a - Center race is the same on both sides
- b - Plain dot, greaseable gimbal bearing

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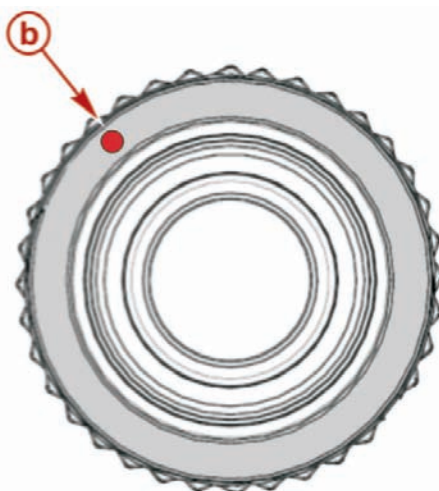
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- a - Center race is the same on both sides
- b - Yellow dot, perma-lube gimbal bearing

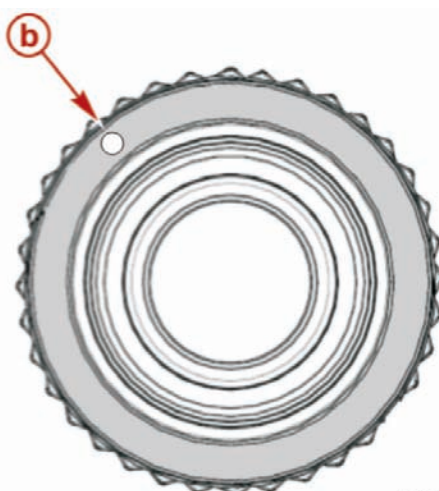
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IMPORTANT: The gimbal bearing inner race thickness changed to accommodate the larger U-Joint used in the X and XR Bravo Drives. If an X or XR drive is installed on a transom with the thicker gimbal bearing, interference will occur between the U-Joint and the bearing causing the U-joint, the bearing, or both to fail.



- a - 2.286 mm (0.090 in.) removed for Bravo X and XR drives
- b - Red dot, greaseable gimbal bearing

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- a - 2.286 mm (0.090 in.) removed for Bravo X and XR drives
- b - White dot, perma-lube gimbal bearing

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