MERCURY MARINER

Service Bulletin

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Pinion Gear Depth—Correction to Service Manual

Models Affected

Models Covered	Serial Number
75/90/115 FourStroke 2.1L With Standard 2.07:1 Gearcase	2B095049 and Above
80/100/115 FourStroke 2.1L (EU) With Standard 2.07:1 Gearcase	

Scope

Worldwide

Situation

Following are corrections to service manual part number 90-8M0082471 July 2014 which covers the 75/90/115 FourStroke 2.1L and 80/100/115 FourStroke 2.1L (EU).

Procedure steps in Section 6A - Standard Right-Hand Rotation Gear Housing—Pinion Gear Depth contains incorrect specifications.

Correction

Please mark the corrections that are identified with **bold type** in your service manual. These changes will be included in the next service manual revision.

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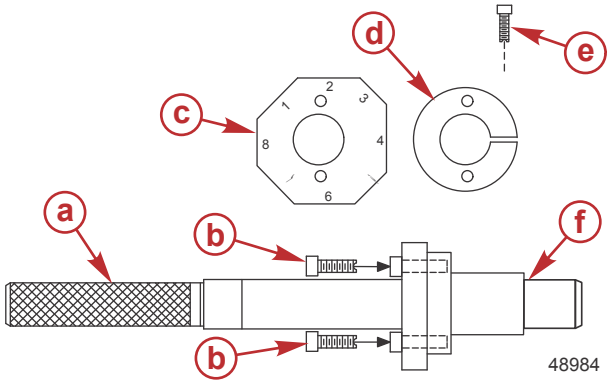
6. Assemble the pinion gear locating tool, as shown.
   a. Install the gauging block with the numbers towards the arbor handle.
   b. Position the split collar and gauging block against the pinion gauge adapter tool. Tighten the split collar retaining screw.
   c. Place the adapter tool on the arbor handle with side **A** toward the forward gear.



a - Arbor handle
b - Screw (2)
c - Gauging block
d - Split collar
e - Split collar retaining screw
f - Pinion gauge adapter tool (8M0070993)
- **Side A toward the forward gear**

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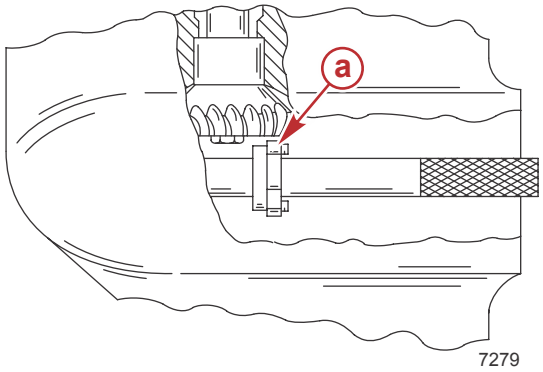
7. Insert the pinion gear locating tool into the forward gear assembly. Position the correct gauging block flat number under the pinion gear, as shown.



a - Gauging block

Model	Gear Ratio (pinion gear teeth/reverse gear teeth)	Use Flat Number	Location Disc Number
75–115 EFI 2.1L	2.07:1 (14/29 teeth)	**2**	5

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12. If the clearance is more than **1.168 mm (0.046 in.)**, remove shims under the upper driveshaft bearing race. If the clearance is less than **1.168 mm (0.046 in.)**, add shims under the upper driveshaft bearing race.