

Official Notification Federal Boat Safety Act Ring Gear Mounting Screws – 9.9 thru 25 Electric Start Models

Mercury and Mariner

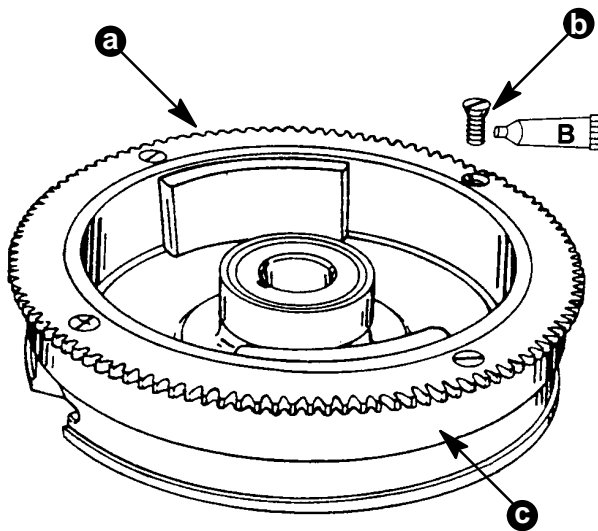
1995 9.9, 15, 20, and 25 Electric Start Models

Serial Number

US 0G112450 thru 0G157235

Belgium produced units were not affected.

Flywheel ring gear mounting screws (Figure 1) may have been assembled with insufficient thread lock. Electric start outboards listed, require that the ring gear mounting screws be removed, liquid thread lock applied and the mounting screws replaced and re-torqued. Insufficient thread lock could allow the mounting screws to become loose and could cause the ring gear to become detached from the flywheel.



52538

- a - Ring Gear
- b - Screw (4) Torque to 50 lb. in. (5.6 Nm)
- c - Flywheel

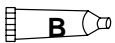
 Loctite 271 (p/n 92-32609-1)

Figure 1. Flywheel, Ring Gear and Mounting Screws.

Owner Notification (US and Canada):

A combination letter/claim will be sent to every registered owner of an outboard within the above listed serial number range. The letter will advise the owner to return their outboard to the selling dealer or authorized dealer for warranty repair of the ring gear mounting screws. A copy of the letter/claim is attached to this service bulletin.

Dealer Outboard Inventory:

Outboards within the above listed serial number range, **MUST** have the ring gear mounting screws repaired prior to customer delivery.

Parts Required:

P/N 92-32609-1 Loctite 271

P/N 43-99301 Ring Gear (AS NEEDED)

P/N 10-40039106 Screw (AS NEEDED)

Correction:

CAUTION

Flywheel taper and crankshaft taper must be free of all grease and oil.

1. Disconnect battery cables.
2. Remove recoil starter and flywheel per appropriate service manual.
3. Remove 4 flywheel ring gear mounting screws.

4. Inspect and replace the ring gear P/N 43-99301 if the countersunk mounting screw holes appear distorted or if cracks are observed at the countersunk mounting screw holes. Note that distortion or cracks are unlikely if the mounting screws are tight.
5. Clean loose dirt from screws and flywheel and ring gear mounting holes.
6. Place one drop of Loctite 271 (p/n 92-32609-1) into each threaded ring gear mounting hole in the flywheel.
7. Torque the flywheel ring gear mounting screws to 50 lb. in. 5.6 (N.m).
8. Reassemble the flywheel and recoil starter assembly per appropriate service manual.
9. Reconnect battery cables.

WARRANTY

Complete warranty claim listing:

- Outboard Serial Number
- One (1) hour labor
- Qty. 1 p/n 43-99301 Ring Gear (AS NEEDED)
- Qty. 4 p/n 10-40037106 Screw (AS NEEDED)
- Warranty labor rate code: NJC
- Failure code: 409 40

US and Canada: Return ring gear (if replacement is necessary) with warranty claim.

International: Hold ring gear (if replacement is necessary) for inspection/disposal by a Marine Power International technical representative.