

## Gear Failures - 30/40 (2-Cylinder) and 45/50 (4-Stroke)

### Models Affected

#### MARINER/MERCURY

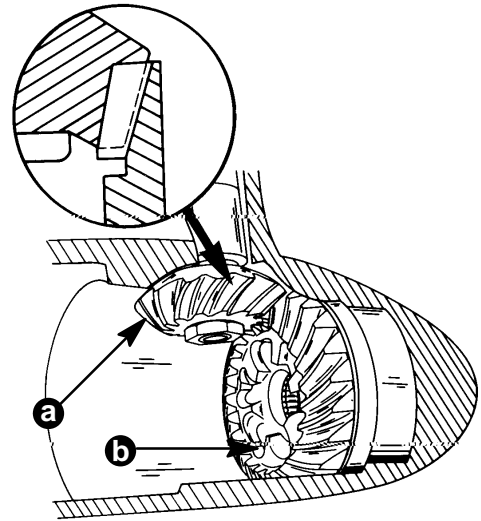
1995 and 1996 Model 30/40 (2-Cylinder)  
Serial Number  
USA 0G116485 thru 0G447009  
Belgium 09831975 thru 09933647

1995 and 1996 Model 45/50 (4-Stroke)  
Serial Number  
USA 0G231123 thru 0G393422

Some of the listed outboards have experienced low hour gear failures due to a poor pinion gear/forward gear engagement. The pinion gear has been revised to move the gear tooth contact pattern away from the toe of forward gear to prevent forward gear tooth chipping. The new pinion gear p/n 43-821326--1 has been installed into the gear housings of outboards:

30/40 (2-Cylinder) Serial Number  
USA 0G447010 and Above  
Belgium 09933648 and Above

45/50 (4-Stroke) Serial Number  
USA 0G393423 and Above



#### Pinion Gear/Forward Gear

a - Pinion Gear  
b - Forward Gear

#### Owner Notification

Due to a low probability of a failure after the first twenty hours of outboard operation, a customer letter will not be issued.

#### Dealer Outboard Inventory

Affected outboards in dealer inventory **MUST BE** re-worked prior to customer delivery.

## Parts Required

### 30/40 GEAR HOUSING ASSEMBLY (2:1 RATIO)

PART NO.	DESCRIPTION
1682-821306A8	SHORT, BLACK
1682-821306A6	LONG, BLACK
1682-821306A10	L-LONG, BLACK
1682-821306A9	SHORT, GRAY
1682-821306A7	LONG, BLACK
1682-821306A11	L-LONG, GRAY

### 45/50 (4-STROKE) GEAR HOUSING ASSEMBLY (2:1 RATIO)

PART NO.	DESCRIPTION
1682-821306A17	LONG, BLACK
1682-821306A18	LONG, GRAY

## Correction

**IMPORTANT:** Refer to outboard service manual for proper gear housing replacement procedures.

Replace the complete gear housing assembly if a gear failure occurs.

**USA** – Use Quick-fax (800-842-4550) or call Mercury/Mariner Outboard Service at (414-929-5884) for a pre-authorized warranty to replace the gear housing assembly.

**CANADA** – Use Quick-fax (800-663-8334) or call Mercury Marine Service/Warranty (905-270-4481).

**INTERNATIONAL** – Call your area office.

## Warranty

Gear failures on the listed 1995 and 1996 model year outboards will be covered by a special warranty for two (2) years from the date of sale to the original owner to assure customer satisfaction.

Complete a warranty claim listing:

- Outboard serial number(s)
- Qty 1 p/n 1682-821306A\_\_ Gear Housing Assembly
- One (1) hour labor
- Labor Rate Code:  
OG 12 for 30/40  
**or**  
CG 12 for 45/50 (4-Stroke)
- Failure Code: 210 00

**USA:** Return gear housing assembly with a copy of the warranty claim.

**Canada:** Return gear housing assembly with a copy of the warranty claim to Mercury Marine Mississauga.

**International:** Tag and hold gear housing assembly for inspection/disposal by a Mercury Marine International Technical Representative.