FORCE Outboards

service bulletin

No. 94-8

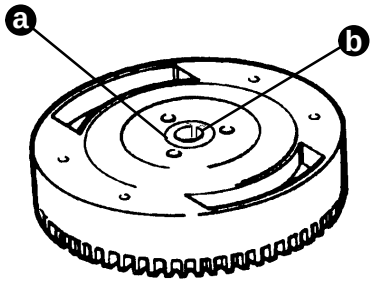
Official Notification - Federal Boat Safety Act Flywheel Replacement 1994 and 1995 9.9 and 15 HP Models

1994 and 1995 Force, Gamefisher and Zodiac

9.9 HP MODELS
S/N 0E035142 THROUGH 0E090702

15 HP MODELS
S/N 0E043991 THROUGH 0E090914

Flywheel hubs may have been produced with an incorrect grade of steel. Cracks could develop in the hub and cause the flywheel to become loose on the crankshaft. The crankshaft or the flywheel could break and become detached from the engine. Figure 1 shows where cracks could develop on the flywheel hub.



a - Flywheel Hub
b - Area of Possible Cracks

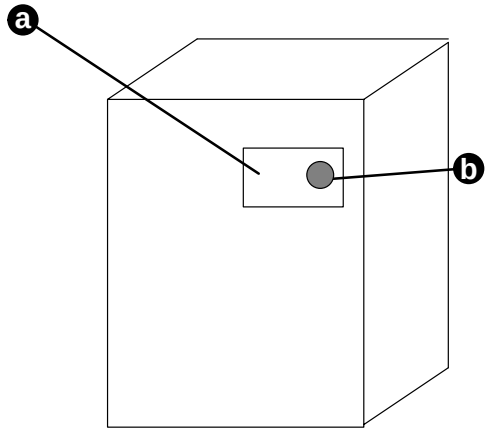
FIGURE 1. FLYWHEEL

OWNER NOTIFICATION

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 replacement of the flywheel. 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 flywheels replaced prior to customer delivery. Outboards repaired at the factory have a blue dot on the carton model number/serial number label as shown in Figure 2.



a - Model Number/Serial Number Label
b - Blue Dot

FIGURE 2. SHIPPING CARTON

provided by http://www.crowleymarine.com

PART REQUIRED

P/N 200-824380T1 Flywheel

CORRECTION

⚠ CAUTION

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

1. Disconnect spark plug leads from the spark plugs to prevent accidental engine starts.
2. Remove manual starter per Service Manual 90-823264.
3. Remove flywheel per Service Manual using the special tools required.
4. Remove all grease and oil from flywheel and crankshaft tapers with a suitable solvent.
5. Install the new flywheel per Service Manual, but **torque the flywheel nut to 45 lb. ft. (5.08 N·m).**
6. Reassemble the recoil starter assembly per the Service Manual. Check starter and interlock function.
7. Reconnect spark plug leads.
8. Check and adjust engine timing, idle and WOT as necessary per the Service Manual.

The replacement flywheel has a 1/32” deep by 1/8” high machined step on the ring gear teeth as shown in Figure 3.

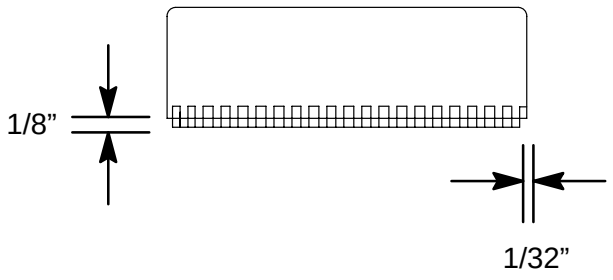


FIGURE 3. REPLACEMENT FLYWHEEL

Outboards repaired at the factory and identified with the blue dot on the engine carton label do not have flywheels with this machined step but are OK to use (see figure 2).

Tilt Lock Lever Decal

An incorrect tilt lock lever decal may have been assembled to some of these engines. The incorrect decal indicates the wrong direction to lock and release the reverse-lock feature. The correct decal and the incorrect decal are shown in Figure 4.

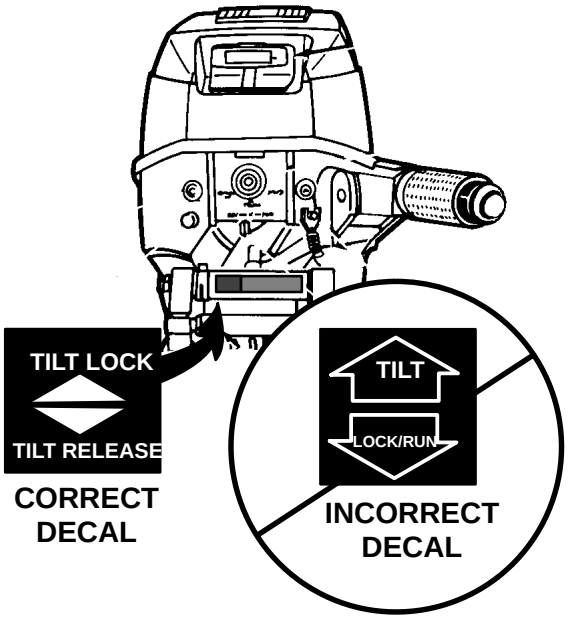


FIGURE 4. REVERSE LOCK LEVER DECAL

CORRECTION

Inspect engines within this serial number range and replace the incorrect decal with P/N F688585 as necessary. Remove the incorrect decal, attach the correct decal in place. Enclosed with this bulletin are 3 decals P/N F688585.

NOTE: Labor rate time for decal inspection/replacement is included in flywheel replacement time.

WARRANTY

Complete warranty claim listing:

Outboard Serial Number
One (1) hour labor
One 200-824380T1 Flywheel
Warranty labor rate code: NJC
Failure code: 409 40

US and Canadian Dealers please return the flywheel with the warranty claim.

International Dealers and Distributors - mail the warranty claim. Hold the flywheel for disposition by Marine Power International.

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