

## OFFICIAL NOTIFICATION - FEDERAL BOAT SAFETY ACT

### Broken Crankshafts 1991 & 1992 150 HP Models

#### MODELS AFFECTED

1991 150 HP Versions: B, D, F & J

1992 150 HP Version: A - Serial Numbers under 60000

NOTE: Version letter is the last letter in the model number.

1991 and 1992 model year 150 HP outboard motors are susceptible to crankshaft failures. Specifically, some crankshafts on 1991 model year 150 HP motors have fractured under the flywheel taper releasing the flywheel from powerhead.

Analysis demonstrates that the 150 HP motor has harmonic vibration through a narrow RPM range, between 4150 and 4400 RPM's. Extensive operation within this RPM range causes the flywheel hub to "work" or abrasively fret against the crankshaft in the taper area. This action, in time, may cause the crankshaft to fatigue and ultimately fail. In some cases, the engine experienced a loose trigger magnet before the crankshaft fractured.

#### **▲ WARNING**

**DO NOT OPERATE THESE ENGINES WITHOUT THE COWL ON AND SECURELY LATCHED. SECURELY ASSEMBLE FLYWHEEL GUARD 695262 TO THESE ENGINES BEFORE PERFORMING ANY SERVICE WORK THAT REQUIRES OPERATING THE ENGINE WITH THE COWL REMOVED.**

A newly designed rubber hub flywheel which eliminates this condition has been developed. It is important to have the crankshaft inspected on motors which have been registered or operated as demonstrators before replacement of the flywheel. Procedures on the inspection of the crankshaft will be sent to you in the very near future. Availability of this flywheel is somewhat limited because of the time required to manufacture field quantities. New flywheels will be available to Dealers on September 9, 1991. Part number is 819490A3.

NOTE: This flywheel requires a Mercury tool for lifting the powerhead/motor. The tool number is 91-90455. Please order this tool if it is not in your inventory.

Notification to registered owners will be sent one week after the date of this bulletin, by registered letter.

Thank you for your cooperation on this campaign.