MERCURY
MARINER
MERCURY
Sport Jet
FORCE
Outboards

service
information

✔ADVISORY

❑ BULLETIN

No. 99-4

Break-in Procedure 3.0 Litre

Models Affected

MERCURY/MARINER

1999 225/250 HP, 3.0 Litre (Carb/EFI)

The break-in procedure for any outboard is important to ensure proper performance and maximum life, it is even more critical for the higher horsepower 3.0 Litre outboard. Analysis of failures has indicated that some engine failures may have occurred due to incorrect engine break-in. Below is a new break-in procedure that has been developed. The following break-in procedure allows the internal engine parts to wear-in evenly.

Procedure Change

NEW ENGINE GASOLINE/OIL BREAK-IN MIXTURE

Use a 25:1 (4%) gasoline/oil mixture in your fuel tank for the first 30 gallons (114 Litres) of fuel during the break-in period. This mixture combined with oil from the oil injection system will supply the required break-in lubrication during this critical period. The rich oil mixture used during break-in may cause excessive engine smoking. After the break-in mixture has been used, it is no longer necessary to add oil with the gasoline.

ENGINE BREAK-IN PROCEDURE (3.0 LITRE CARB/EFI)

First hour of operation:

- Allow engine to warm-up for 30 - 60 seconds

- Avoid continuous operation at idle speed for more then ten minutes.

- Run the engine the majority of time between 3000 and 4500 RPM approximately three quarter throttle.

- Vary engine speed; change engine speed approximately every 2 minutes.

- Avoid trimming the outboard out (up) beyond a vertical trim position during operation.

- Short bursts of full throttle for periods up to 10 seconds are acceptable.

Next three hours of operation

- Change engine speed every 10 minutes

NOTE: *It is the driver's responsibility to always drive in a safe manner. Improper trim angle of the outboard when driving at speed can be difficult and dangerous. The purpose of specifying trim angle is to help guide the operator in determining how to put the proper load on the engine. They are intended to be guidelines and do not suggest or require unsafe boat operation.*