Hi-Performance MARINER OUTBOARDS
MERCURY PERFORMANCE OUTBOARDS

service bulletin

No. 98-14

2.5 Break-In Routine with Service Replacement ECM or Service Replacement Blocks

Models Affected

Hi-Performance 2.5L Outboards with the Motorola System

Situation

- **Break-in mode for consumer ECM's is 2 hours, break-in mode for race ECM's is 30 minutes.**
- **Installing a service replacement ECM onto an existing powerhead.**

  Service replacement ECM units are shipped with the "Break-in" program functional. This ECM break-in program will electronically require the engine to fulfill a "new engine" break-in routine and full throttle capability will be limited to 6000 RPM during break-in. An increased fuel/oil mixture is supplied to the engine during the break-in routine.

  The engine must be run under a load for the break-in cycle time to electronically register in the ECM. On light, or easy to plane boats, operating the engine while fully trimmed in will create extra load. Operating the engine at idle will not electronically register as break in time.

- **Installing an existing ECM onto a new powerhead.**

  IMPORTANT: The Existing ECM must be reset to perform the new powerhead break-in routine or damage to the powerhead will occur.

  Use the Quicksilver Digital Diagnostic Tester (DDT) (a) to re-set the break-in routine. Refer to the (DDT) reference manual "Special Functions". If a Quicksilver Digital Diagnostic Tester (DDT) unit is not available, complete the following steps;

(1.) Turn the ignition key to the "ON" position, but DO NOT start engine.

(2.) Within 10 seconds after placing the key in the "ON" position, press the neutral interlock button (b) on the shift slide a minimum of 10 times (in rapid succession) to initiate the break-in mode of the ECM.

(3.) During the engine break-in routine the ECM will limit the engine to 6000 RPM maximum as well as supplying a greater fuel/oil mixture to the engine until break-in is completed.