MERCURY MerCruiser service bulletin

No. 99-4

☑ WARRANTY INFORMATION ☐ SERVICE INFORMATION

▲ = Revised May 2000

Sensor Failures in MEFI-3 Mercury Distributors Used on V6 and V8 305/350 cid Engines

Models

Sterndrive Engines:

MCM V6 4.3L EFI: S/N 0L360000-0L360197.

MCM V8 305/350 cid EFI and MPI: S/N 0L331599-0L335999.

MCM 5.0L EFI: S/N 0L340000-0L364685.

MCM 5.7L EFI: S/N 0L340000-0L364240.

MCM 350 Mag MPI: S/N 0L340000-0L364475.

Ski and Inboard Engines:

MIE 350 Mag MPI Ski: S/N 0L304600-0L305403.

MIE 350 Mag MPI Inboard: S/N 0L302200-0L303442.

MIE 350 Mag MPI Horizon Inboard: S/N 0L304700-0L305326.

NOTE: *Black Scorpion Ski engines are not affected by this problem because they use the Delco ignition system.*

Situation

These MEFI-3 EFI and MPI engines use the same type of Mercury distributor used on the carbureted engines with the Thunderbolt V ignition system.

We have had some failures to the gray colored sensor in the distributor. A new sensor for use in the MEFI-3 distributors is now in production and in Mercury Parts stock. The color of the new sensor's material is black.

Two common ignition problems reported with these sensor failures are: a 'no start condition' or a 'rough running condition'.

Correction

No Start Condition: The engine fails to start when trying to start it, follow 'Troubleshooting Chart' shown in Service Bulletin 99-2 or the latest service manuals that cover MEFI-3 on these engines.

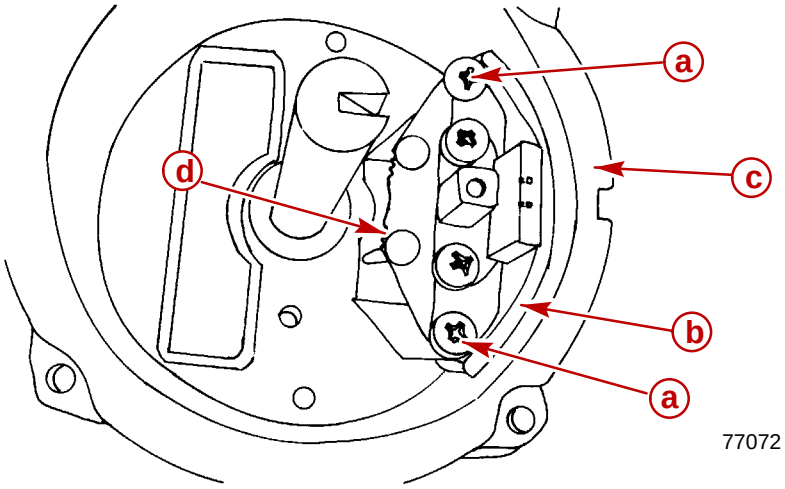
NOTE: *Some sensors have failed without causing a blown 10A fuse.*

Rough Running Condition: The engine will not run very well above idle rpm. Sometimes it takes several minutes of running time before this condition occurs. Check all the common causes for an engine to run rough, such as fouled spark plugs. If these all check good, replace the sensor.

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▲**IMPORTANT: To make sure that the 'fingers' on the rotor/sensor wheel do not touch the sensor when the engine is cranked, follow the directions below.**

▲During installation, push sensor outward until the rubber gasket is slightly compressed against the distributor housing then tightening the sensor mounting screws



a - Mounting Screws.
b - Rubber Gasket on Sensor.
c - Distributor Housing.
d - Push Sensor Outward.

Parts Required

P/N 87-861780A 2	Sensor Assembly-Distributor.
P/N 88-804638	10A Fuse.

Order these parts only if damaged during removal.

P/N 13524A 6	V6 Rotor/Sensor Wheel.
P/N 13524T 1	V8 Rotor/Sensor Wheel.

Warranty

Fill out warranty claim and send it to your normal warranty processing center.

NOTE: *The replacement of part(s) and labor under warranty, to the products outlined in this service bulletin, will expire November 2000.*

Warranty Code and Labor: MI17 0.5 Hours.

Old Part: USA and Canada: Return with warranty claim.

All Others: Retain for disposition by a Marine Power representative.

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