MERCURY
MARINER
MERCURY Sport Jet

service information

☑ ADVISORY
☐ BULLETIN

No. 2001-18

Circulate to: ☐ Sales Manager ☐ Accounting ☑ Service Manager ☑ Technician ☑ Parts Manager

Spark Plug Fouling, Shift Stall 3.0 Liter Optimax

Models Affected

MERCURY/MARINER/TRACKER
2001 & 2002 Model 3.0 Liter Optimax
S/N 0T178500 Thru 0T482481

If an engine upgraded by service bulletin 2001-14 experiences shift stalling, spark plug fouling, or both please take the actions specified in this bulletin.

Correction

SHIFT STALL: If the engine stalls when shifted into forward or reverse gear, replace the ECM with the latest 70 series ECM, (See parts required).

SPARK PLUG FOULING: If spark plug fouling is experienced check the following:

- Check fuel and air pressure: The replacement fuel rail used to upgrade engine (Service Bulletin 2001-14), should have air pressure of 82 psi, + or – 2 psi. and fuel pressure of 92 psi + or – 2 psi. If pressures are below normal replace the port fuel rail, (See parts required).
- Check engine temperature: After warm up, temperature should be approximately 118 to 125° F (48 to 52° C). If below normal, check thermostats for debris that may be holding thermostat open.
- Check if break-in oiling is still activated: Complete break-in period.

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ECM Selection

To achieve optimal performance for both heavy and light boats, choose the correct ECM from below (see parts required).

HEAVY BOAT: A heavy boat would typically be an Offshore boat with twin or triple engines, longer then 26 feet.

LIGHT BOAT: A light boat would typically be a Bass/Walleye, or single engine runabout, less then 26 feet.

The latest 70 series part number ECMs increase idle speed from 550 to 575 RPM. This increase requires that the EPA label be changed. Two new EPA labels are packaged with the replacement ECM. The correct model year label must replace the current EPA label following the instructions packaged with the ECM.

Parts Required

Qty. One (1) Port Fuel Rail P/N 884429A 5, if required.

Qty. One (1) ECM as required

P/N 859610T70 - - - 200 HP - - Light Boat

P/N 859610T72 - - - 200 HP - - Heavy Boat

P/N 859610T71 - - - 225 HP - - Light Boat

P/N 859610T73 - - - 225 HP - - Heavy Boat

Dealer Parts Inventory

Any fuel rail kits 884429A1, 884429A2, or ECMs 859610 53, 859610 54, 859610 60, 859610 61, 859610 62, or 859610 63 in your inventory that have not yet been installed per service bulletin 2001-14, should be returned to Mercury Marine. Complete P & A warranty claim and send parts with claim, freight prepaid to:

Mercury Marine
Attn: Outboard Warranty Service Information Bulletin 2001-18
W6250-9A Pioneer Road
Fond du Lac, WI 54935

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Warranty

The normal OptiMax limited warranty applies for ECM and fuel rail replacement as outlined above. The completion of oil break-in or debris in thermostats are NOT covered under warranty.

If the ECM or fuel rail require replacement contact the OPTIMAX ASSISTANCE TEAM at 1-800-309-4743 or, complete and send a Quickfax form (90-821655 to 1-800-842-4550) to receive pre-authorization and a fuel rail, and/or replacement ECM. Dealers in Canada needing assistance, should call 905-5676-6372.

After pre-authorization is given, a pre-approved claim will be sent that includes the following information:

- Outboard serial number
- Qty. (1) Fuel rail P/N 884429A5 if required
- Qty. (1) Electronic Control Module (ECM) if required.
- Flat Rate Code: SB05 to run engine, check air/fuel pressure and engine temperature
- Flat Rate Code: SB03 to replace ECM
- Flat Rate Code: SB08 to replace port fuel rail
- Parts Code: 736
- Failure Code: 00

US and Canada:

MERCNET DEALERS: Submit claim on MercNET system and return old fuel rail and ECM when requested with **Parts Return Rapid Claim.**

NON-MERCNET DEALERS: Complete/process claim, enclose claim with old fuel rail and ECM, and return to Mercury Marine.

ALASKA and HAWAII DEALERS: Complete/process claim, and hold parts for Technical Account Manager.

INTERNATIONAL: Follow instructions issued by Marine Power International office or by your distributor.

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