

OEM No. 2004-04

Sterndrive No. 2004-04

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## PCM Calibration Change for the HP525 EFI

### Models Affected

HP525 EFI with engine SN 0M950064 and below.

### Situation

Mercury Racing developed a new calibration for the PCM that should significantly reduce soot deposits left on the transom during normal engine operation. Soot development is normally the result of an unburned air/fuel mixture that exits through the exhaust system and adheres to the transom. Rich air/fuel mixtures will also result from the following conditions:

- Engine compartment ventilation restricted
- Flame arrestor dirty or restricted
- A swim platform that is shaped in such a way that a low pressure area is formed at the exhaust tips and prevents the exhaust fumes from being carried away from the transom
- A faulty Intake Air Temperature (IAT) or Coolant Temperature (CTS) sensor or associated wiring

### Correction (MercNET Users)

1. Remove the PCM from the engine and record the Engine S/N on the case of the PCM to ensure that the PCM will be returned to the engine it was removed from.
2. Fill out a Warranty Claim through MercNet with the following statement:
3. **Description of Failure:**
  - The PCM is being returned to Mercury Racing for recalibration per Svc Bulletin 2004-004.
4. **Labor Description:**
  - Part Code: 731 ECM
  - Failure Code: 00 Service Bulletin
  - Flat Rate: PJ23 Electronic Control Module
5. Send the PCM to Mercury Racing along with a copy of the MerNET claim.  
Mercury Racing Attn: 525 PCM Recalibration  
N7480 County Road UU  
Fond du Lac, WI 54935-9585  
U.S.A.

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**NOTE:** Turnaround time is expected to be two or three days once the PCM has arrived in-house.

6. Reinstall the PCM.

Technical Account Managers (TAMs) (if available) can perform the PCM calibration without removing the PCM from the engine.

### Correction (Non-MercNET Users)

1. Remove the PCM from the engine and record the Engine S/N on the case of the PCM.
2. Obtain a Pre-authorization; Contact the Mercury Racing Service Department (920.924.2088).
3. Send the PCM to Mercury Racing along with a copy of the Pre-printed claim.  
Mercury Racing Attn: 525 PCM Recalibration  
N7480 County Road UU  
Fond du Lac, WI 54935-9585  
U.S.A.

**NOTE:** Turnaround time is expected to be two or three days once the PCM has arrived in-house.

4. Reinstall the PCM.

Technical Account Managers (TAMs) (if available) can perform the PCM calibration without removing the PCM from the engine.

### Recalibration Campaign Duration

This campaign will end for all engines in the coverage group on December 31, 2005

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