



TECH TIPS

Dixie Part Numbers: S-2057 S-2082

Applications: 2010 Ford Explorer 4.0L (including Sport Trac models)
2010 Ford Mustang 4.0L with the manual transmission option
2010 Mercury Mountaineer 4.0L (including Premier models)

Conditions: The operator of the vehicle may complain of one or more of the following conditions:

- That intermittently the engine fails to start.
- The malfunction indicator lamp is on.
- The engine runs rough.
- The engine makes a rattling noise.

The technician may find the diagnostic trouble code P0340 stored in the powertrain control module (PCM).

Cause: There are a variety of potential causes that the manufacturer has identified:

- The timing gear balance shaft.
- A variance in leakage between the cylinders of more than 20%.
- An inappropriate engine RPM during cranking.

Correction: Follow the manufacturer's recommended procedures to update the PCM, replace the timing gear balance shaft up to or replacing the engine either as a whole in long block format, depending on the symptoms.