

4.0L—DTC—P0505 / P0506 / HESITATION / LOSS OF RPM / DIFFICULTY STARTING / LOW IDLE RPM**TSB 09-4-2****FORD:**
2004-2005 Explorer**MERCURY:**
2004-2005 Mountaineer**ISSUE**

Some 2004 - 2005 Explorer and Mountaineer vehicles equipped with a 4.0L engine may exhibit one or more of the following symptoms: drive-away hesitation, loss of RPM on deceleration, difficulty starting, and/or idle RPM less than desired. Malfunction indicator lamp (MIL) may be illuminated with diagnostic trouble codes (DTCs) P0506 and/or P0505. These conditions may appear after battery disconnect, dead battery condition, or keep alive memory (KAM) reset. The symptoms may be due to engine deposits in the throttle leading to airflow less than desired.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Reprogram the powertrain control module (PCM) to the latest calibration using IDS release 58.14 and higher or 59.4 and higher. This new calibration is not included in the VCM 2009.1 DVD. Calibration files may also be obtained at www.motorcraft.com. The calibration contains a sludge compensation strategy for the throttle body.
2. Turn the key off to re-initialize the PCM. This will allow the sludge compensation strategy to learn.
3. With the vehicle in park or neutral and A/C off, start vehicle and allow engine to reach normal operating temperature (greater than 170 °F (77 °C) coolant temperature). Run an additional 5 minutes to allow sufficient learning time.
4. While the engine is running, using IDS datalogger or equivalent, check the PID value of ETC_TRIM.

- a. If ETC_TRIM value is 3.5 degrees, and/or DTC P115E is present, then replace the electronic throttle body (ETB), following Workshop Manual (WSM), Section 303-04B.
- b. If ETC_TRIM value is less than 3.5 degrees and DTC P115E is not present, but drivability concerns persist, the ETB is not the likely cause of the concern and replacement is not necessary. Continue with normal Powertrain Controls/Emissions Diagnosis (PC/ED) manual diagnostics.

PART NUMBER	PART NAME
9W7Z-9E926-A	Throttle Body Assembly

WARRANTY STATUS: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions Warranty Coverage
IMPORTANT: Warranty coverage limits/policies are not altered by a TSB. Warranty coverage limits are determined by the identified causal part.

OPERATION	DESCRIPTION	TIME
090402A	2004-2005 Explorer, Mountaineer 4.0L: Check For DTCs And Reprogram The PCM, Includes Time To Monitor ETC_Trim Value (Do Not Use With 9926A, 12650D)	0.4 Hr.

NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford, Lincoln, or Mercury dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.

TSB 09-4-2 (Continued)

090402B	2004-2005 Explorer, Mountaineer 4.0L: Check For DTCs And Reprogram The PCM, Includes Time To Monitor ETC_Trim Value, Replace Throttle Body (Do Not Use With 9926A, 12650D)	0.8 Hr.
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DEALER CODING

BASIC PART NO.
RECALEM

CONDITION
CODE
04