

**FORD:**  
2005-2008 Escape Hybrid

**MERCURY:**  
2006-2008 Mariner Hybrid

This article supersedes TSB **08-15-1** to update the vehicle applications.

**ISSUE**

Some 2005-2008 Escape Hybrid and 2006-2008 Mariner Hybrid vehicles may exhibit a red triangle light and codes indicating a transaxle overtemp. This condition may result in reduced power as the system activates fail safe operation. Codes P1A0E, P1A0F, P0A3C, P0A3E, P0A7A, P0A7C and P1A0D may also be set.

**ACTION**

Follow the Service Procedure steps to correct the condition.

**SERVICE PROCEDURE**

**NOTE**

THIS MESSAGE IS NOT APPLICABLE TO LOSS OF ENGINE COOLANT OR BASE ENGINE OVERHEAT CONCERNS. FOLLOW NORMAL DIAGNOSIS IN CASES OF ENGINE OVERHEATING.

1. After verifying the Motor Electronics Cooling System (MECS) is at the proper level and condition, raise the vehicle on a hoist and with the ignition key in the run position, use a stethoscope to verify operation of the MECS pump.
2. If the pump is running, verify coolant flow into the MECS degas bottle. If there is no flow, verify hoses are not pinched or twisted and if no issues are found replace the pump with the listed kit part.
3. If the pump runs and there is coolant flow into the degas bottle this Technical Service Bulletin (TSB) may not apply so follow normal diagnosis and repair.
4. If the pump is not running, tap the housing and listen for the pump to turn on.

5. If the pump turns on after tapping, replace the pump with new service kit. The kit provides the necessary instructions and hardware.
6. If the pump does not turn on after tapping verify power is available to the pump and connector C1466 at the MECS pump is fully seated.
  - a. If the connection to the pump is good and system voltage is available to the pump, replace the pump with new service kit. The kit provides the necessary instructions and hardware.
  - b. If power is not available to the pump, follow pin point test "A" in Workshop Manual (WSM), Section 307-02B.

PART NUMBER	PART NAME
5M6Z-8C419-A	Motor Electronics Cooling Pump

**WARRANTY STATUS:** Eligible Under Provisions Of New Vehicle Limited 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
082405A	2005-2008 Escape Hybrid and 2006-2008 Mariner Hybrid: Replace The MECS Pump, Includes Time To Perform The Diagnosis Included In This Article (Do Not Use With 12650D, 8419A)	1.3 Hrs.

**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 08-24-5 (Continued)

MT082405    Claim Additional Diagnosis    Actual  
                  (Pinpoint Test A) Or Labor    Time  
                  Performed As Actual Time

### DEALER CODING

BASIC PART NO.	CONDITION CODE
8C419	42