

**LACK OF AIR CONDITIONING AND/OR ENGINE OVERHEAT CONDITION
- BUILT ON OR AFTER 9/1/2010**

TSB 13-12-21

FORD:

2011-2012 Taurus

LINCOLN:

2011-2012 MKS

FORD:

2011-2012 Flex

LINCOLN:

2011-2012 MKT

This article supersedes TSB **12-10-3** to update the Service Procedure and Part List.

ISSUE

Some 2011 and 2012 Explorer, Taurus, Flex, MKS and MKT vehicles built on or after 9/1/2010 and equipped with dual engine cooling fans may exhibit a lack of air conditioner performance while the vehicle is stationary or moving at slow speeds, and/or an overheat condition. Diagnostic trouble codes (DTCs) P0217, P1299 and P1285 may be present.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Using the Integrated Diagnostic System (IDS) with a release of 87.05 and higher, check the PCM for having a later calibration available. Is a later calibration available for the PCM?
 - a. No - Proceed to Step 2.
 - b. Yes - Reprogram the PCM to the latest calibration using IDS release 87.05 and higher. Calibration files may also be obtained at www.motorcraft.com. Proceed to Step 2.
2. Using IDS, select Data Logger, select Output State Control, command the Cooling Fan Speed Desired PID to High speed (FAN_CTRL# or FAN_DSD# - above 90%) for 1 minute and verify cooling fan operation. Are the cooling fans operating?

NOTE: The information contained 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.

- a. No - please be sure to check the fan assembly for being original equipment manufacturer (OEM). (Figure 1)

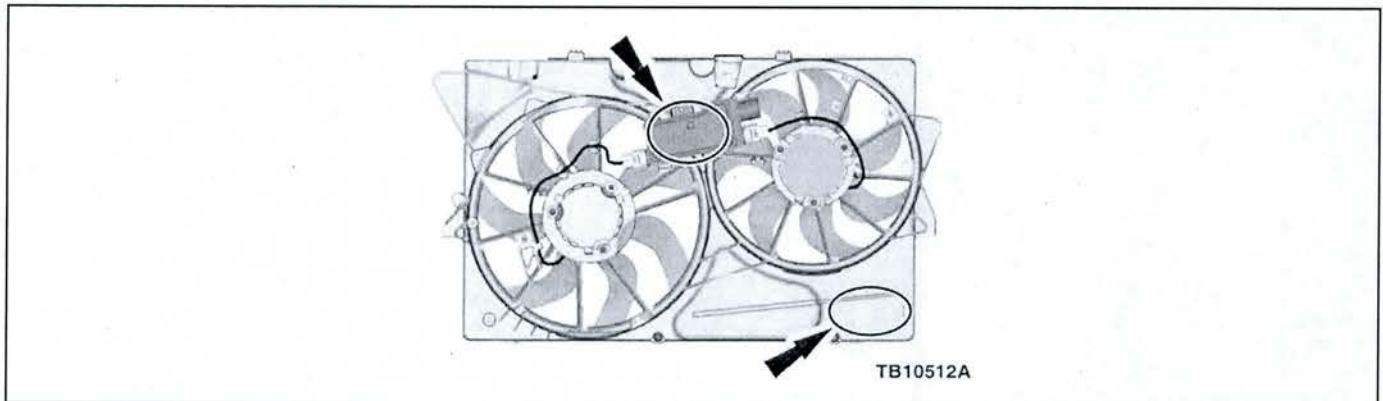


Figure 1 - Article 13-12-21

- (1) For Taurus and MKS vehicles, replace the cooling fan motor and control module assembly. Refer to Workshop Manual (WSM), Section 303-03 and then proceed to Step 5.
- (2) For Explorer, Flex and MKT vehicles, proceed to Step 3.

b. Yes - this article does not apply. Refer to WSM, Section 303-03 for normal diagnostics.

3. Remove the cooling fan motor and control module assembly. Refer to WSM, Section 303-03.
4. Remove the cooling fan control module from the original cooling fan motor assembly and transfer onto the new cooling fan motor assembly. Tighten screw to 7 Nm (60 lb-in).
5. Install the new cooling fan motor assembly. Refer to WSM, Section 303-03.
6. Check coolant level and top off as necessary using the correct coolant type. Refer to WSM, Section 303-03

PART NUMBER	PART NAME
BA8Z-8C607-D	Cooling Fan (Explorer, Flex and MKT)
BA5Z-8C607-C	Cooling Fan and Module (Taurus and MKS)
VC-10-A2	Motorcraft® Specialty Green Engine Coolant (Concentrated)
VC-3-B	Motorcraft® Orange Antifreeze/Coolant (Concentrated)

OPERATION	DESCRIPTION	TIME
131221A	2011-2012 Explorer, MKT, Flex: Inspect Cooling Fan Operation, Replace Cooling Fan, Transfer Electronic Module, And Reprogram The PCM If Necessary (Do Not Use With Any Other Labor Operations)	0.8 Hr.
131221A	2011-2012 Taurus, MKS, Flex, MKT 3.5L GTDI: Inspect Cooling Fan Operation, Replace Cooling Fan, Transfer Electronic Module, And Reprogram The PCM If Necessary (Do Not Use With Any Other Labor Operations)	1.4 Hrs.

WARRANTY STATUS:

Eligible Under Provisions Of New Vehicle Limited Warranty Coverage
 Warranty/ESP coverage limits/policies/prior approvals are not altered by a TSB. Warranty/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

DEALER CODING

BASIC PART NO.	CONDITION CODE
8c607	42