

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

TSB 12-10-3

FORD:

2011-2012 Taurus, Explorer, Flex

LINCOLN:

2011-2012 MKS, MKT

This article supersedes TSB 11-7-21 to update the production fix date, update the vehicle model years, Service Procedure and Parts 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 P0217, P1299 and P1285 may be present.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Is Field Service Action 12B36 open for this vehicle?
 - a. No - Proceed to Step 2.
 - b. Yes - Complete the FSA and do not continue with this article.
2. Using IDS, start a new session and select Data Logger. Using the Output State Control, command the Cooling Fan Speed Desired PID to High speed (FAN_CTRL# or FAN_DSD# - above 90%) for 2 minutes and verify cooling fan operation. Are the cooling fans operating?
 - a. No - For Taurus, Flex, MKS, and MKT vehicles, replace the cooling fan motor and control module assembly. Refer to Workshop Manual (WSM), Section 303-03. Proceed to Step 5. For Explorer 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 N•m (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.
 - a. The fan controller is designed to shut down the fans if high resistance is detected. Replacing the fan controller may cause the fans to only operate temporarily.

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

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.

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 or Lincoln 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 12-10-3 (Continued)

OPERATION	DESCRIPTION	TIME	121003A	2011-2012 MKT, Flex, Taurus, And MKS 3.5L GTDI: Replace The Cooling Fan Assembly Includes Time To Diagnose	1.2 Hrs.
121003A	2011-2012 MKS 3.7L DOHC And Taurus 3.5L DOHC: Replace The Cooling Fan Assembly Includes Time To Diagnose	0.6 Hr.			
			DEALER CODING		
121003A	2011-2012 MKT 3.7L DOHC And Flex 3.5L DOHC: Replace The Cooling Fan Assembly Includes Time To Diagnose	0.6 Hr.	BASIC PART NO. 8C607		CONDITION CODE 42
121003A	2011-2012 Explorer 3.5L TiVCT, And 2.0L GTDI: Replace The Cooling Fan Assembly Includes Time To Transfer The Cooling Fan Control Module And Diagnose	0.7 Hr.			