1.6L GTDI/2.0L GTDI-MIL LIGHT—DTC P144C—BUILT ON OR BEFORE 7/18/2012

TSB 12-8-23

FORD:
2013 Escape

ISSUE

Some 2013 Escape vehicles built on or before 7/18/2012 and equipped with a 1.6L or 2.0L Gasoline Turbocharged Direct Injection (GTDI) engine may exhibit a malfunction indicator lamp (MIL) on with diagnostic trouble code (DTC) P144C stored in powertrain control module memory. This concern may be due to an evaporative emissions vapor ejector installed backwards and/or a blocked vapor purge line port in the air cleaner outlet pipe assembly.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Remove engine cover for access, if necessary.
2. Disconnect battery ground cable. Refer to Workshop Manual (WSM), Section 414-01.
3. Inspect vapor ejector installation. Does arrow on vapor ejector indicate proper installation as shown? (Figure 1 or 2)

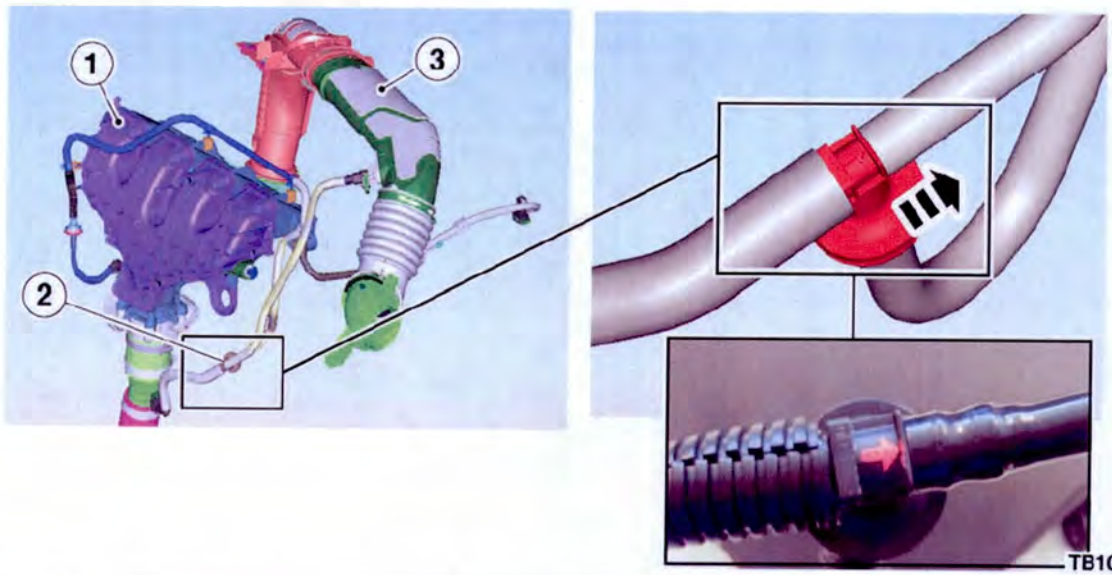

Figure 1 - Article 12-8-23

Figure 1 (2.0L GTDI)	
Item	**Description**
1	Intake Manifold
2	Vapor Ejector Valve
3	Air Cleaner Outlet Pipe Assembly

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 supercede this information with updates.The most recent information is available through Ford Motor Company's on-line technical resources.

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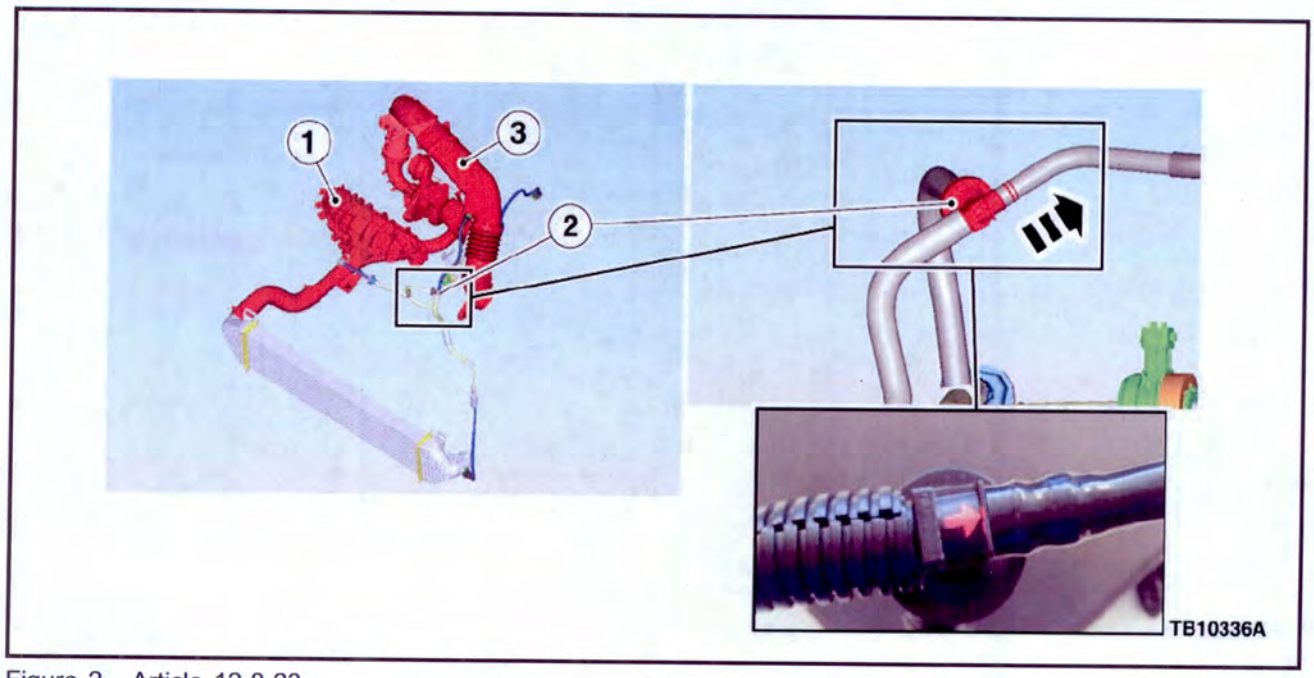

Figure 2 - Article 12-8-23

Figure 2 (1.6L GTDI)	
Item	Description
1	Intake Manifold
2	Vapor Ejector Valve
3	Air Cleaner Outlet Pipe Assembly

a. Yes - vapor ejector installation is correct. Proceed to Step 6.

b. No - proceed to Step 4.

4. Loosen the two (2) clamps, remove the bolt (2.0L only) and remove the air intake duct center section. (Figure 3)

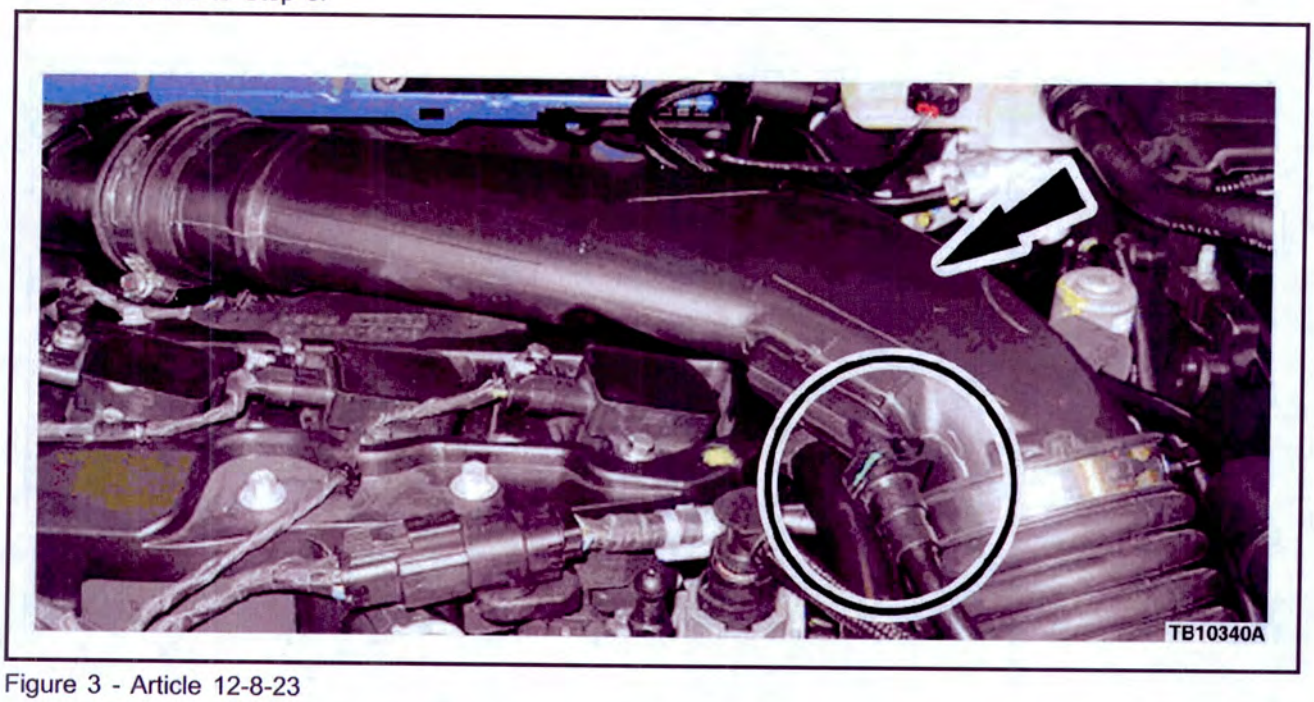

Figure 3 - Article 12-8-23

5. Replace evaporative emission canister purge valve assembly. Refer to WSM, Section 310-00.

a. Removal of the underbody shield is required on 1.6L GTDI equipped vehicles. Proceed to Step 7.

6. Disconnect evaporative emission vapor purge line from the air intake duct center section. Refer to WSM, Section 310-00. (Figure 3)

7. Insert a plastic tie-strap, at least 4.0 mm (.157 in) wide, into the vapor purge line port on the air intake duct center section to determine if it is blocked by flashing. A slight bend is necessary to pass through the angled port orifice. A 4.0 mm (.157 in) opening is required for proper system operation. Does tie-strap pass easily and completely through vapor purge line port?

   a. Yes - proceed to Step 9.

   b. No - proceed to Step 8.

8. Replace air cleaner outlet pipe assembly. Tighten clamp and bolt (2.0L only) to 5 N•m (44 lb-in). Proceed to Step 11.

9. Install the air intake duct center section. Tighten all fasteners to 5 N•m (44 lb-in).

10. Connect evaporative emission vapor purge line to air intake duct center section. Refer to WSM, Section 310-00.

11. Connect battery ground cable. Refer to Workshop Manual, Section 414-01.

12. Install engine cover, if previously removed.

PART NUMBER	PART NAME
CV6Z-9D289-B	Evaporative Emission Canister Purge Valve Assembly (1.6L GTDI)
CV6Z-9D289-C	Evaporative Emission Canister Purge Valve Assembly (2.0L GTDI)
CV6Z-9B659-C	Air Cleaner Outlet Pipe Assembly (1.6L GTDI)
CV6Z-9B659-D	Air Cleaner Outlet Pipe Assembly (2.0L GTDI)

WARRANTY STATUS: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions 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.

OPERATION	DESCRIPTION	TIME
120823A	2013 Escape 1.6L GTDI: Check DTCs Inspect And Replace The Air Cleaner Outlet Pipe Assembly (Do Not Use With Any Other Labor Operations)	0.4 Hr.
120823A	2013 Escape 2.0L GTDI: Check DTCs Inspect And Replace The Air Cleaner Outlet Pipe Assembly (Do Not Use With Any Other Labor Operations)	0.4 Hr.
120823B	2013 Escape 1.6L GTDI: Check DTCs Inspect And Replace Evaporative Emission Purge Valve (Do Not Use With Any Other Labor Operations)	0.7 Hr.
120823B	2013 Escape 2.0L GTDI: Check DTCs Inspect And Replace Evaporative Emission Purge Valve (Do Not Use With Any Other Labor Operations)	0.5 Hr.
120823C	2013 Escape 1.6L GTDI: Check DTCs Inspect And Replace Evaporative Emission Purge Valve And The Air Cleaner Outlet Pipe Assembly (Do Not Use With Any Other Labor Operations)	0.8 Hr.

120823C	2013 Escape 2.0L GTDI: Check DTCs Inspect And Replace Evaporative Emission Purge Valve And The Air Cleaner Outlet Pipe Assembly (Do Not Use With Any Other Labor Operations)	0.6 Hr.

DEALER CODING

BASIC PART NO.	CONDITION CODE
9D289	12