

FORD:

2013-2014 Fusion

2013-2016 Escape

2014-2016 Fiesta

ISSUE

Some 2013-2016 Escape, 2014-2016 Fiesta ST, and 2013-2014 Fusion vehicles equipped with a 1.6L Gasoline Turbocharged Direct Injection (GTDI) engine may exhibit a lack of power concern with malfunction indicator lamp (MIL) illuminated and diagnostic trouble codes (DTCs) P0234, P0245, P0246 and/or P0299 stored in powertrain control module (PCM) memory.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Connect the Ford Integrated Diagnostic System (IDS) service tool or equivalent scan tool, to the data link connector (DLC). Are DTCs P0234, P0245, P0246 and/or P0299 present in the PCM memory?
 - a. Yes - proceed to Step 2.
 - b. No - this article does not apply. Refer to Powertrain Control/Emissions Diagnosis (PC/ED) manual for normal diagnostics.
2. Inspect the charge air cooler tubes and vacuum lines for damage and proper connection. Was any damage or connection issues identified?
 - a. Yes - this article does not apply. Refer to Powertrain Control/Emissions Diagnosis (PC/ED) manual for normal diagnostics.
 - b. No - proceed to Step 3.
3. Remove the engine front undershield. Refer to Workshop Manual (WSM), Section 501-02.
4. Replace the turbocharger wastegate regulating valve solenoid. (Figure 1)



Figure 1 - Article 15-0162

- a. Disconnect the solenoid hoses and connectors from the turbocharger assembly.
- b. Install the solenoid assembly and reattach the solenoid hoses to the turbocharger.
 - (1) Make sure the solenoid hoses are installed completely and the clamps are centered on the wastegate solenoid hose barbs.

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.

c. Reconnect the solenoid connectors.

5. Reinstall the engine front undershield. Refer to WSM, Section 501-02.

PART NUMBER	PART NAME
CJ5Z-9K378-B	Turbocharger Wastegate Regulating Valve Solenoid

OPERATION	DESCRIPTION	TIME
150162A	2013-2014 Fusion, 2014-2016 Fiesta, 2013-2016 Escape 1.6L: Diagnose And Replace The Turbocharger Wastegate Regulating Valve Solenoid (Do Not Use With Any Other Labor Operations)	0.6 Hr.

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.

DEALER CODING

BASIC PART NO.	CONDITION CODE
9K378	42