

FORD: 2015-2016 Mustang

ISSUE:

Some 2015-2016 Mustang vehicles equipped with a 2.3L GTDI engine and built on or before 1/1/2016 may exhibit a lack of power with diagnostic trouble code (DTC) P0299. This may be due to the turbocharger wastegate actuator rod coming disconnected from the wastegate.

ACTION:

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

- Using the Integrated Diagnostic System (IDS) service tool or an equivalent scan tool to check for DTCs. Is DTC P0299 present in the powertrain control module (PCM) memory?
 - Yes - proceed to Step 2.
 - No - this article does not apply. Refer to Powertrain Control/Emissions Diagnosis (PC/ED) manual for normal diagnostics.
- Inspect the wastegate rod for proper engagement to the wastegate lever. Is the turbocharger wastegate actuator rod properly attached and the retaining clip in place?
 - Yes - this article does not apply. Refer to the PC/ED manual for normal diagnostics.
 - No - proceed to Step 3.
- Remove the vibration dampener from the right engine mount. (Figure 1)

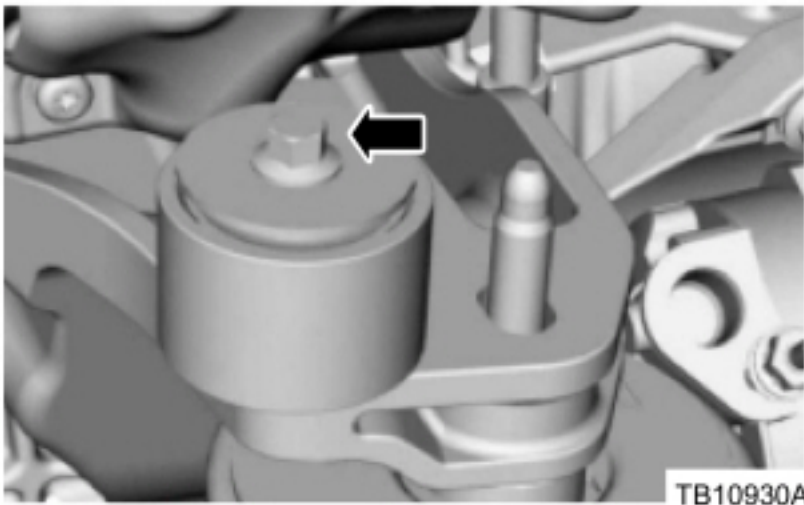


Figure 1 - 16-0121

- Remove and discard the upper turbocharger mounting nuts. (Figure 2)

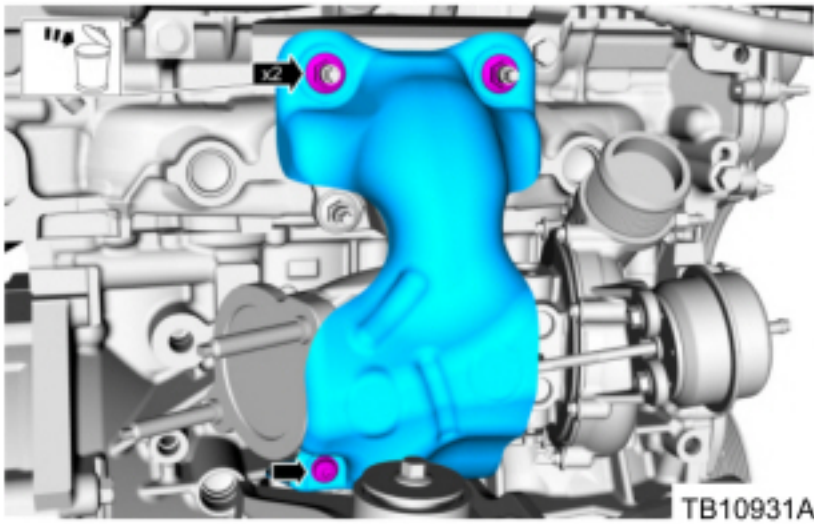


Figure 2 - 16-0121

- Remove the lower turbocharger heat shield retaining bolt. (Figure 2)
- Position the turbocharger heat shield aside. (Figure 2)
 - It is not necessary to remove the turbocharger coolant lines to position aside the heat shield.
- Reinstall actuator rod and install the new wastegate actuator retaining clip.
- Install the turbocharger heat shield.
 - Tighten the new upper turbocharger mounting nuts. Torque to 50 Nm (37 lb-ft).
 - Tighten the lower turbocharger heat shield retaining bolt. Torque to 10 Nm (89 lb-in).
- Install the vibration dampener on to the right engine mount.
 - Tighten the dampener bolt. Torque to 28.5 Nm (9 lb-ft).

PART NUMBER	PART NAME
W790436-S900	Retaining Clip
W713095-S403	Nut - Turbocharger To Manifold (2 Req)
W716042-S900	Bolt - Lower Turbocharger Heat Shield
W704474-S437	Stud - M10x22 mm/M10X32 mm (2 Req)

OPERATION	DESCRIPTION	TIME
160121A	2015-2016 Mustang 2.3L GTDI: Retrieve DTCs, Inspect Wastegate And Reinstall Actuator Rod With New Retaining Clip Following The Service Procedure (Do Not Use With Any Other Labor Operations)	0.5 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
6K682	25

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