

SB-10054920-3311

FORD:

2011-2014 F-150

ISSUE

Some 2011-2014 F-150 vehicles equipped with 3.5L Gasoline Turbocharged Direct Injection (GTDI) engine may exhibit a hard start or no start condition when temperatures are below -15 °Celsius 0 °Fahrenheit.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Is the vehicle equipped with a block heater in the thermostat housing? Refer to Workshop Manual (WSM), Section 303-03.
 - a. Yes - proceed to Step 2.
 - b. No - this article does not apply. Perform normal diagnostics. Refer to the Powertrain Control/Emissions Diagnosis (PC/ED) manual.
2. Remove the heater and cord and discard. Refer to WSM, Section 303-03.
3. Remove the left hand turbocharger. Refer to WSM, Section 303-04E.
4. Install a new block heater following the service kit instructions.
5. Install the left hand turbocharger. Refer to WSM, Section 303-04E.

It is recommended that the customer plug the block heater in at -15 °C (0 °F) or less to improve cold start.

PART NUMBER	PART NAME
DL3Z-6D008-A	Immersion Block Heater Kit
W520514-S440	Exhaust Nut (4 Req)
BL3Z-6N652-B	Turbo Oil Line Gasket
AA5Z-00815-C	Oil Line O-Ring
CL3Z-9450-B	Gasket - Exhaust Manifold
W715673-S900	Bolt - Turbocharger (3 Req)

OPERATION	DESCRIPTION	TIME
140010A	2011-2014 F-150 4X2, 2013-2014 F-150 4X4 3.5L GTDI: Install New Block Heater Following The Service Procedure (Do Not Use With Any Other Labor Operations)	3.1 Hrs.
140010A	2011-2012 F-150 4X4 3.5L GTDI: Install New Block Heater Following The Service Procedure (Do Not Use With Any Other Labor Operations)	3.3 Hrs.

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.

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.

DEALER CODING

BASIC PART NO.	CONDITION CODE
6D008	42