

**3.5L GTDI - COLD NO START AFTER USING BLOCK HEATER -  
TEMPERATURES BELOW -15 °C (0 °F)****TSB 15-0002****FORD:**

2011-2014 F-150

This article supersedes TSB **14-0077** to update the Service Procedure.

**ISSUE**

Some 2011-2014 F-150 vehicles equipped with 3.5L Gasoline Turbocharged Direct Injection (GTDI) engine may exhibit a hard to start or no start condition after using the block heater when temperatures are below -15 °C (0 °F).

**ACTION**

Follow the Service Procedure steps to correct the condition.

**SERVICE PROCEDURE**

1. Is the vehicle equipped with a 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. Refer to Powertrain Control/Emissions Diagnosis (PC/ED) manual for normal diagnosis.
2. Remove existing cooling system heater and wire harness.
3. Install the immersion block heater and harness kit. Refer to the instruction sheet included in the kit.
  - a. It is not necessary to remove the left hand turbocharger assembly.
  - b. Use special tool 303-1638 to install the immersion block heater.
4. Fill the cooling system, refer to WSM, Section 303-03.

Recommend to the customer that they plug the block heater in at temperatures at or below -15 °C (0 °F) to improve cold starting.

PART NUMBER	PART NAME
DL3Z-6D008-A	Immersion Block Heater Kit
VC-3-B	Motorcraft® Orange Antifreeze/Coolant Concentrated

OPERATION	DESCRIPTION	TIME
150002A	2011-2014 F-150 3.5L GTDI: Remove The Existing Cooling System Heater And Install Immersion Block Heater Following The Service Procedure (Do Not Use With Any Other Labor Operations)	0.8 Hr.

**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.

**DEALER CODING**

BASIC PART NO.	CONDITION CODE
6010	42

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