

## SB-10058115-1197

### FORD:

2011-2013 F-150

The article supersedes TSB 14-0160 to update the base warranty causal part number.

### ISSUE

Some 2011-2013 F-150 vehicles built on or before 6/15/2013 and equipped with a 3.5L Gasoline Turbocharged Direct Injection (GTDI) engine may exhibit various engine misfire symptoms accompanied by diagnostic trouble codes (DTCs) P0300, P0301, P0302, P0303, P0304, P0305 and/or P0306 stored in the powertrain control module (PCM).

### ACTION

Follow the Service Procedure steps to correct the condition.

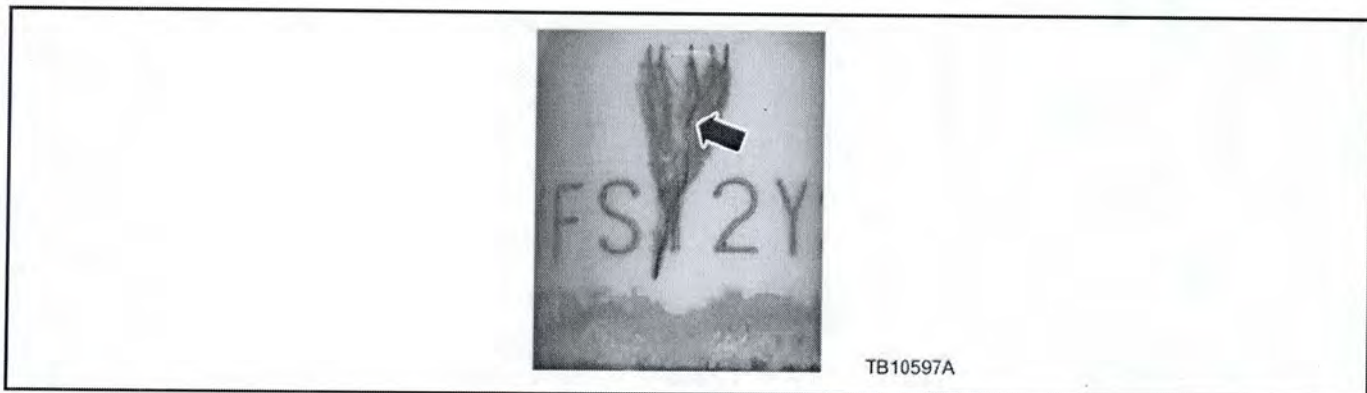
### SERVICE PROCEDURE

1. Does normal diagnosis in the Powertrain Control/Emissions Diagnosis (PC/ED) manual lead to spark plug inspection?
  - a. Yes - proceed to step 2.
  - b. No - this article does not apply. Continue with normal diagnosis.
2. Remove the spark plug from the affected cylinder. Refer to Workshop Manual (WSM), Section 303-07.
3. Inspect the spark plug for signs of carbon tracking. Is carbon tracking evident? (Figures 1 and 2)



Figure 1 - Article 14-0180

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.



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Figure 2 - Article 14-0180

- a. Yes – replace all six spark plugs and spark plug coil boots. Refer to WSM, Section 303-07.
- b. No – this article does not apply. Refer to PC/ED manual for normal diagnosis.

| PART NUMBER   | PART NAME   |
|---------------|---|
| BL3Z-12A402-A | Coil Boot (Req 6)   |
| CYFS-12-YT3   | Spark Plug (Req 6)  |
| XG-3-A        | Motorcraft® Silicone Brake Caliper Grease and Dielectric Compound |

| OPERATION | DESCRIPTION  | TIME        |
|-----------|--|-------------|
| MT140180  | Use Service Labor Time Standards For Diagnosis And Repair Or Actual Time | Actual Time |

**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 |
|----------------|----------------|
| 12405          | 42             |