

<p>2.0L GTDI—ROLLING/FAST IDLE—DIAGNOSTIC TROUBLE CODES (DTCs) P0507, P0171 AND/OR P0174—BUILT ON OR BEFORE 9/28/2012</p>	<p>TSB 13-1-4</p>
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FORD:

2013 Fusion, Escape

ISSUE

Some 2013 Escape and Fusion vehicles built on or before 9/28/2012 and equipped with the 2.0L gasoline turbo direction injection (GTDI) engine may exhibit a rolling/fast idle with DTCs P0507, P0171, and/or P0174. This may be due to a missing plug on the left hand side of the intake manifold.

ACTION

Follow the Service Procedure steps to correct the concern.

SERVICE PROCEDURE

1. Inspect the left hand side of the intake manifold for a missing plug. Is the plug missing from the intake manifold? (Figure 1)

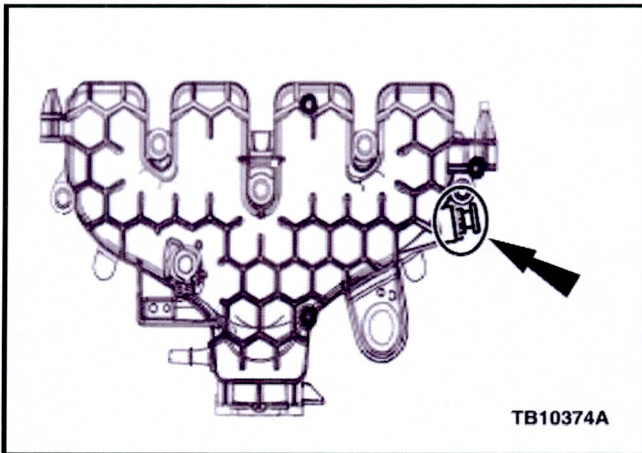


Figure 1 - Article 13-1-4

- a. Yes - proceed to Step 2.
- b. No - this article does not apply. Perform normal diagnostics. Refer to Powertrain Control/Emissions Diagnosis (PC/ED) manual.

2. Install the intake manifold plug using the instruction sheet provided in the kit.
 - a. The kit includes the locking ring which typically remains in the intake manifold. Discard the new locking ring in kit. Do not attempt to remove or replace the locking ring as intake manifold damage will occur.

PART NUMBER	PART NAME
CB5Z-9A450-A	Intake Plug Kit

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.

OPERATION	DESCRIPTION	TIME
130104A	2013 Escape And Fusion 2.0L GTDI: Check DTCs Inspect And Install Intake Manifold Plug Following Kit Instruction (Do Not Use With Any Other Labor Operations)	0.3 Hr.

DEALER CODING	CONDITION CODE
BASIC PART NO. 9424	24

NOTE: The information 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 or Lincoln 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 supercede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.

**2.0L—EQUIPPED WITH TRAILER TOW PACKAGE
FROM THE FACTORY—NOT COMPATIBLE WITH LED
TRAILER LIGHTING**

TSB 13-1-5

FORD:

2013 Escape

ISSUE

Some 2013 Escape vehicles equipped with a 2.0L Engine, and equipped with the Trailer Tow Package from the Factory may not be compatible with newer model trailers which have LED lighting.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

The instructions that are included with the kit are intended for aftermarket use only. For this application discard the instructions included within the kit and follow the installation procedure below. It is recommended to read through these instructions thoroughly prior to installing this service kit.

1. Disconnect the battery cable to ground. For additional information, refer to Workshop Manual (WSM), Section 414-01.
2. Remove the engine air cleaner and air cleaner outlet pipe. For additional information, refer to WSM, Section 303-12.
3. Position the left weather strip aside and remove the left side lower cowl trim panel and scuff plate. (Figure 1)

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TSB 13-1-5 (Continued)

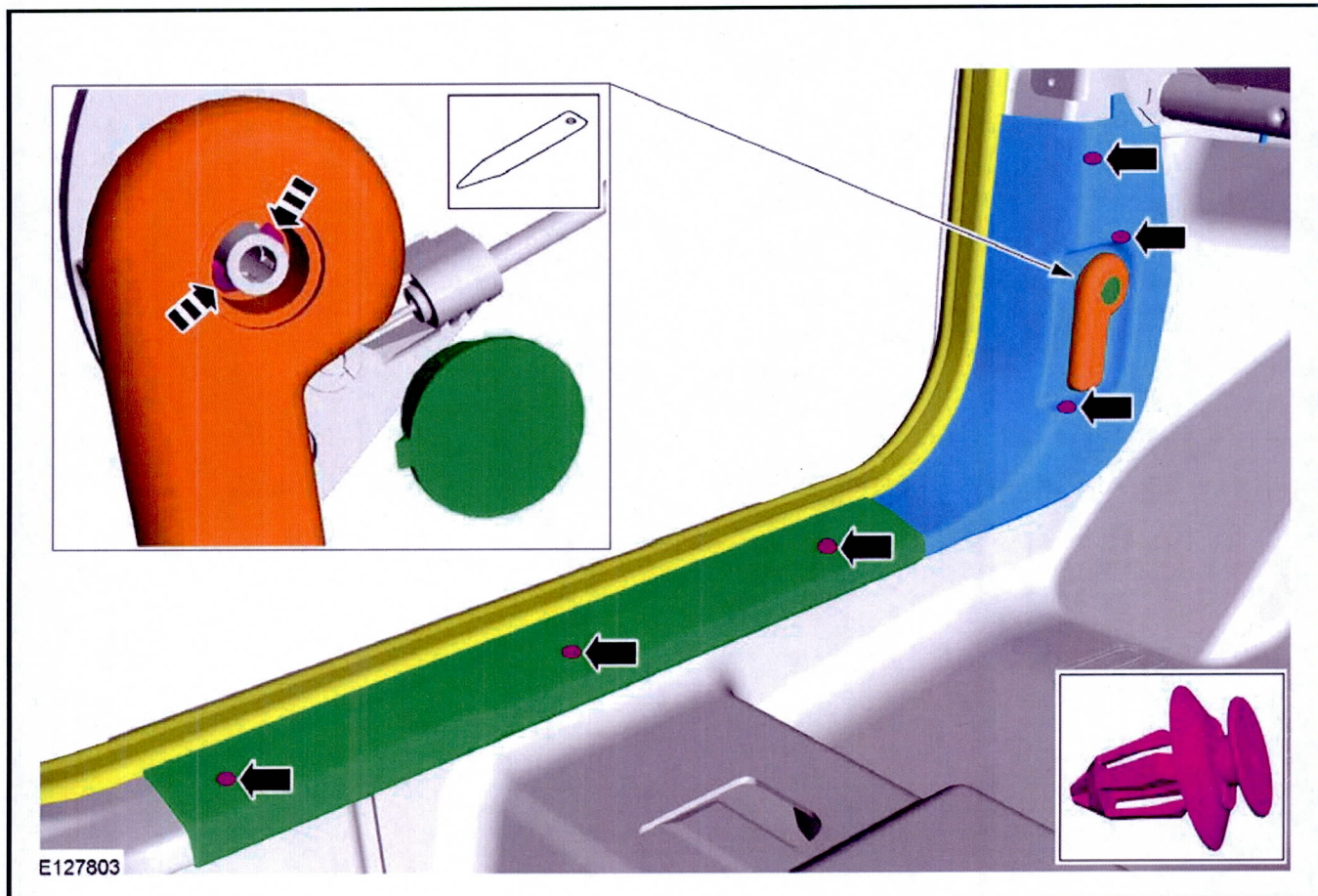


Figure 1 - Article 13-1-5

4. Remove the right and left quarter trim panels. For additional information, refer to WSM, Section 501.
5. Position the trailer tow converter harness assembly into the vehicle forward of the rear left hand D-pillar.
6. Remove the grommet/plug located in the rear floor pan just forward of the driver side D-pillar.
7. Working from the outer edge towards the center, cut a slit into the grommet/plug.
 - a. Do not attach the trailer tow converter at this time.
8. Disconnect the original equipment (OE) trailer tow harness electrical connector. Secure the electrical connector to the wire harness using a tie strap. (Figure 2)

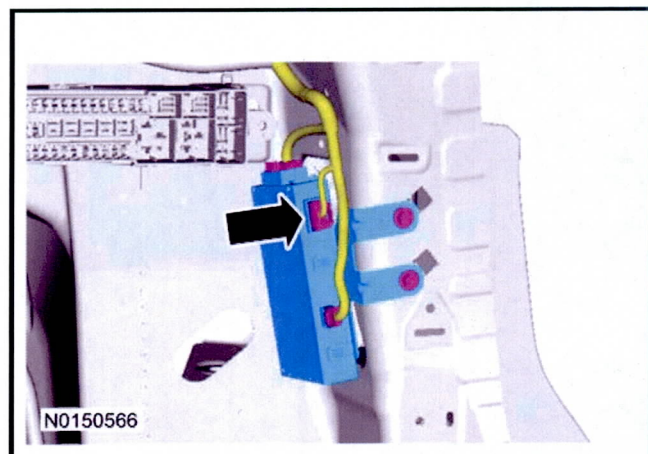


Figure 2 - Article 13-1-5

9. Remove the 4-pin trailer connector and wire harness assembly from its mounting position and detach the wire harness push pin retainers from the hitch assembly. Bundle and secure the 4-pin wire harness assembly under the vehicle, with tie straps, in a position that will not interfere with vehicle and/or hitch operation.
10. Locate the left interior vehicle harness. (Figure 3)

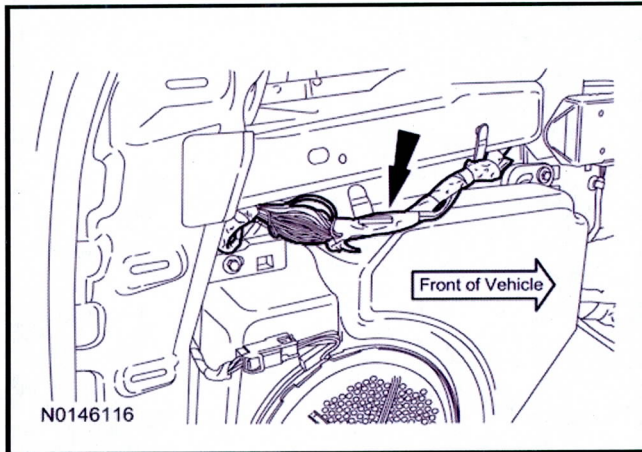


Figure 3 - Article 13-1-5

11. Locate right interior vehicle harness. (Figure 4)

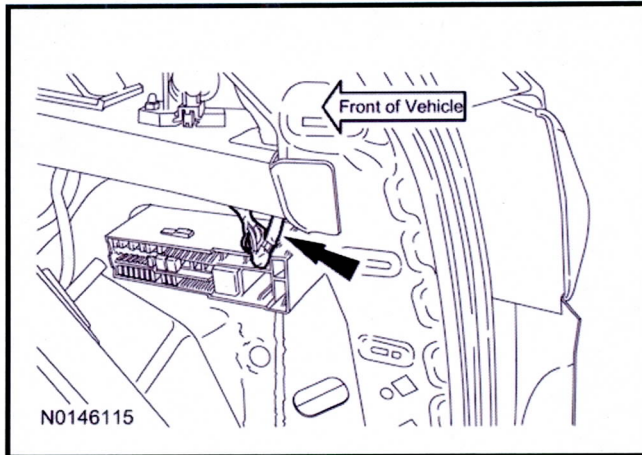


Figure 4 - Article 13-1-5

12. Locate the blue wire on the converter module and cut the eyelet off.

13. Connect the black (ground) wire eyelet from the converter module to the bolt located on the left D-pillar's cargo tie down. Feed the 4-pin connector through the hole in the floor pan. (Figure 5)

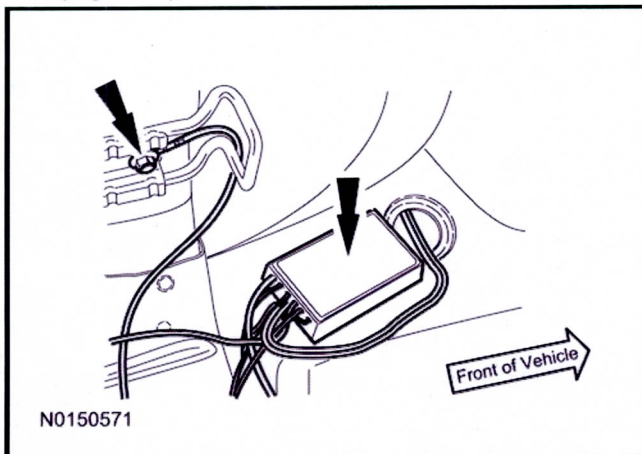


Figure 5 - Article 13-1-5

14. Install the rear floor pan grommet/plug, while installing, feed the 4-pin connector's ribbon harness into the cut portion of the plug.
15. Seal the rear floor pan grommet/plug.
16. Identify the violet/brown (stop) wire at the lamp assembly, left rear.
17. Connect the blue (stop) wire from the converter module to the violet/brown (stop) wire located at the lamp assembly, left rear.
18. Identify the violet/green (parking lights circuit) wire at the lamp assembly, left rear.
19. Connect the brown (tail lamp) wire from the converter module harness to the violet/green (parking lights circuit) wire at the lamp assembly, left rear.
20. Identify the gray/orange (left turn circuit) wire at the lamp assembly, left rear.
21. Connect the yellow (left turn) wire from the converter module harness to the gray/orange (left turn circuit) wire at the lamp assembly, left rear.
22. Identify the green/orange (right turn circuit) wire at the lamp assembly, right rear.
23. Route the green (right turn) wire from the converter module harness under the liftgate scuff plate and connect to the green/orange (right turn circuit) wire at the lamp assembly, right rear.
24. Position the carpet aside and locate the grommet located in the bulkhead just left of the steering column. (Figure 6)

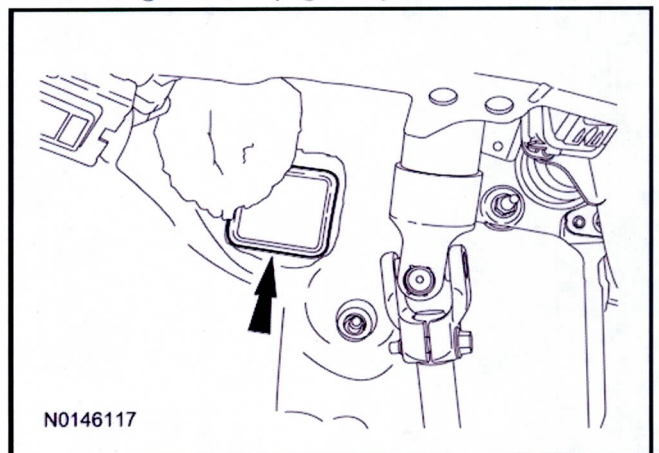


Figure 6 - Article 13-1-5

TSB 13-1-5 (Continued)

25. Use a fish wire to puncture the grommet located in the bulkhead and feed the fish wire through to the front area of the engine compartment.
26. From the engine compartment, attach the kit supplied power cable to the fish wire (do not attach the eyelet). Route the power cable through the bulkhead into the passenger compartment, along the left hand door sills (under the carpet) back to the converter module.
27. Seal the bulkhead grommet and position back the carpet cut out.
28. From the cargo area in the vehicle, connect the kit supplied red power cable to the red battery wire located on the converter module.

NOTE

REMOVE THE IN-LINE FUSE BEFORE CONNECTING THE POWER CABLE TO THE FUSE JUNCTION PANEL.

29. Connect the red power cable to the fuse junction panel battery terminal. (Figure 7)
 - a. Remove the nut from the large stud on the fuse junction panel located on the front of the battery tray.
 - b. Install the eyelet onto the fuse junction panel.
 - c. Tighten to 5 N·m (44 lb-in).
 - d. Replace the in-line fuse.

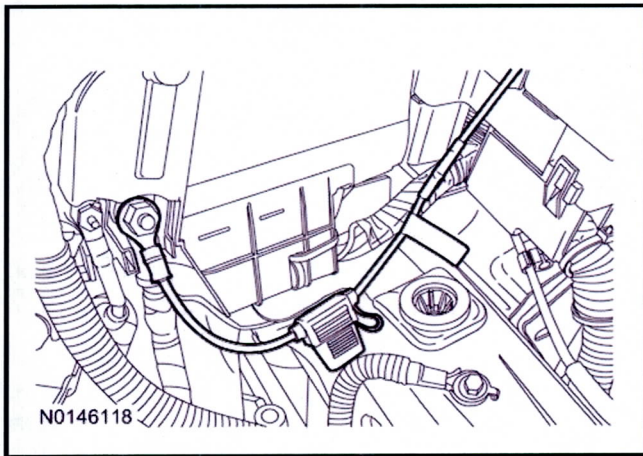


Figure 7 - Article 13-1-5

30. Remove the adhesive backing from the underside of the converter module.

31. For vehicles not equipped with premium sound, attach the converter module to the floor pan just forward of the left D-pillar.
32. For vehicles equipped with premium sound, attach the converter module to the front of the subwoofer. (Figure 8)

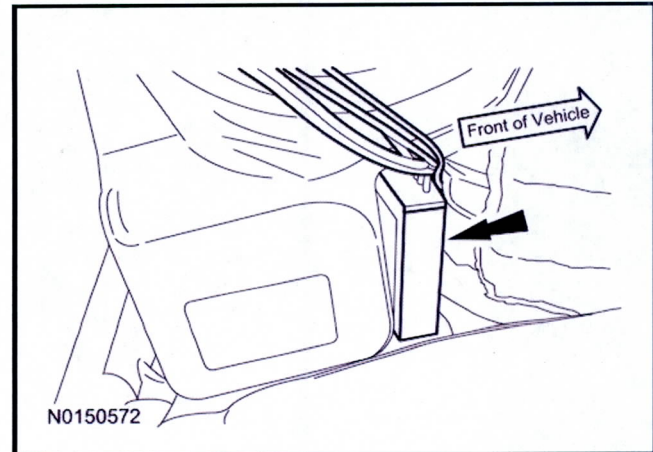


Figure 8 - Article 13-1-5

33. From under the vehicle, attach the 4-pin connector/harness to the trailer hitch.
34. Use supplied tie straps to secure power cable to the interior vehicle harness in the front lower cowl area. (Figure 9)
 - a. Position the floor carpet aside as needed.

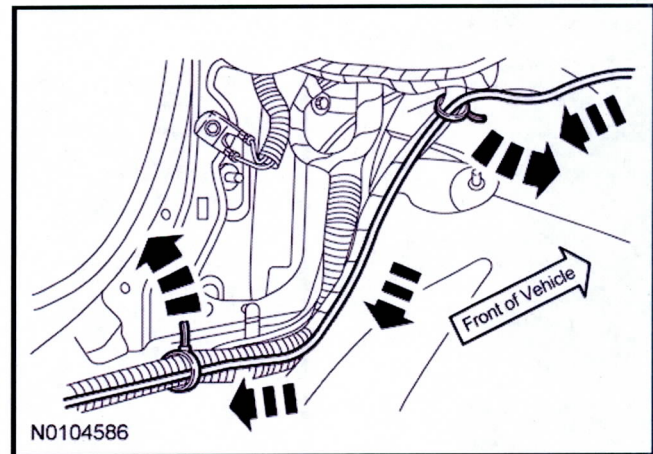


Figure 9 - Article 13-1-5

35. Use supplied tie straps to secure power cable and converter module wires to the interior vehicle harness. (Figure 10)
 - a. Position the floor carpet aside as needed.

TSB 13-1-5 (Continued)

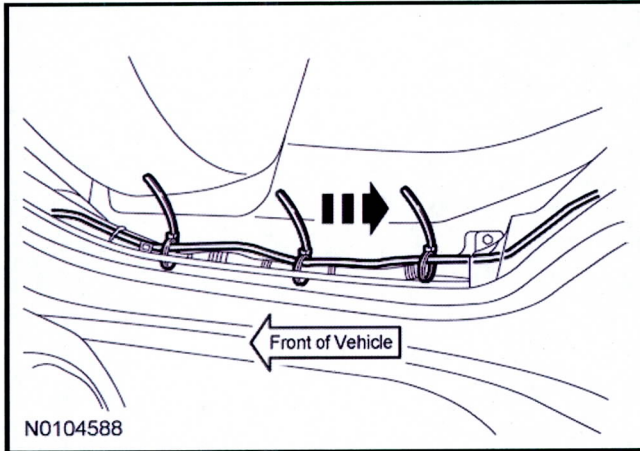


Figure 10 - Article 13-1-5

36. Secure the 4-pin connector/harness to the vehicles hitch and/or underside of the vehicle.
37. Install the left side lower cowl trim panel and scuff plate. Position the left weather strip back.
38. Install the right and left quarter trim panels. For additional information, refer to WSM, Section 501-05.
39. Install the engine air cleaner. For additional information, refer to WSM, Section 303-12.
40. Connect the battery cable to ground. For additional information, refer to WSM, Section 414-01.

PART NUMBER	PART NAME
DT4Z-15A416-A	Trailer Tow Kit

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.

OPERATION	DESCRIPTION	TIME
130105A	2013 Escape: Install Trailer Tow Kit Following The Service Procedure (Do Not Use With Any Other Labor Operations)	2.8

DEALER CODING

BASIC PART NO.
15A416

CONDITION
CODE
42