HYBRID/ENERGI - WRENCH/ENGINE LAMP ILLUMINATES - DTC U0284 - BUILT ON OR BEFORE 5/31/2013

TSB 14-0007

SB-10054328-1959

FORD:

2013 Fusion

LINCOLN:

2013 MKZ

This article supersedes TSB **13-11-1** to update the Parts List.

ISSUE

Some 2013 Fusion and MKZ Hybrid/Energi vehicles built on or before 5/31/2013 may illuminate the wrench or engine lamp with diagnostic trouble code (DTC) U0284.

ACTION

Follow the Service Procedure Steps to correct the condition.

SERVICE PROCEDURE

1. Disconnect the Active Grille Shutter connector C1651. Refer to Wiring Diagram, Cell 33-1. Is moisture or corrosion present in the connector?
   a. No - this article does not apply. Refer to the Powertrain Control/Emissions Diagnosis (PC/ED) manual for normal diagnosis.
   b. Yes - proceed to Step 2.
2. Replace the Active Grille Shutter Actuator connector C1651 with a pigtail kit following the instructions included in the kit.
3. Is corrosion present on the active grille shutter actuator terminals?
   a. No - dry with compressed air and proceed to Step 4.
   b. Yes - replace the active grille shutter actuator. Refer to Workshop Manual (WSM), Section 501-02. Proceed to Step 4.
4. Remove the left hand fender splash shield. Refer to WSM, Section 501-02.
5. To improve accessibility, disconnect in-line connector C146. Refer to Wiring Diagram, Cell 151-1.
6. Remove the horn.
7. Disconnect in-line connector C134, refer to Wiring Diagram, Cell 151-1.
8. Replace in-line connector C134 with pigtail kits (male and female) following the instructions included in the kits.
   a. The identification colors for some circuits may be different on each side of the connector. Use masking tape and label each wire to match its mating wire on the opposite side of the connector prior to cutting and splicing.
   b. Depending upon vehicle option content, some circuits may not have a mating wire on the opposite side of the connector.
   c. Any unused wires in the service pigtail should be folded over and sealed with heat shrink tubing to prevent water entry through the cut ends.
9. Remove the existing white plastic retainer from in-line connector C134 and transfer it to the service pigtail connector.
10. Push the connector retainer into the original location in the sheet metal.

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

11. Install the horn.
12. Connect in-line connector C146, refer to WSM, Section 501-02.
13. Install the left hand fender splash shield. Refer to WSM, Section 501–02.

PART NUMBER	PART NAME
CU2Z-14S411-AYA	C1651 Pigtail Kit
7U2Z-14S411-GA	C134 Female Pigtail Kit
7U2Z-14S411-HA	C134 Male Pigtail Kit
CM5Z-10884-A	Active Grille Shutter Actuator—MKZ Hybrid and Energi
DS7Z-10884-B	Active Grille Shutter Actuator—Fusion Hybrid and Energi

OPERATION	DESCRIPTION	TIME
140007A	2013 Fusion And MKZ Hybrid/Energi: Check DTCs And Replace The Electrical Connector For The Grille Shutter Actuator And Both Male And Female Connectors C134 (Do Not Use With Any Other Labor Operations)	2.7 Hrs.
140007B	2013 Fusion And MKZ Hybrid/Energi: Check DTCs And Replace The Electrical Connector For The Grille Shutter Actuator And Both Male And Female Connectors C134 Includes Time To Replace The Grille Shutter Actuator (Do Not Use With Any Other Labor Operations)	2.8 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.

DEALER CODING

BASIC PART NO.	CONDITION CODE
15K867	x4