

**FORD:**

2007-2009 Mustang

This article supersedes TSB 7-10-3 to remove the production build date specification, update the vehicle model years and Service Procedure.

**ISSUE**

Some 2007-2009 Mustang vehicles equipped with side air bags may exhibit an air bag light on with diagnostic trouble code (DTC) B2295 in the restraints control module with lamp flash code 22/23 (driver/passenger seat side air bag circuit failure). This may be caused by a circuit connection in the side air bag module wire harness.

**ACTION**

Use the following Service Procedure to inspect and repair the air bag wiring harness.

**SERVICE PROCEDURE****Seat Removal**

1. Position the seat to access all of the seat track-to-floor pan bolts.
2. Depower the supplemental restraints system. For additional information, refer to Workshop Manual (WSM), Section 501-20B Supplemental Restraint System (SRS) Depowering and Repowering in the General Procedures.
3. Remove the two (2) seat track nut covers and remove the seat track-to-floor nuts.
4. Remove the seat track-to-floor bolts.
5. Tip the seat, disconnect the side air bag module and main seat harness electrical connectors and remove the seat.

**Wire Harness Inspection/Repair**

1. Place seat up-side-down on a clean surface and inspect the side airbag wire harness for indications of chafing, pinching and incorrect wire harness routing. (Figures 1 and 2)

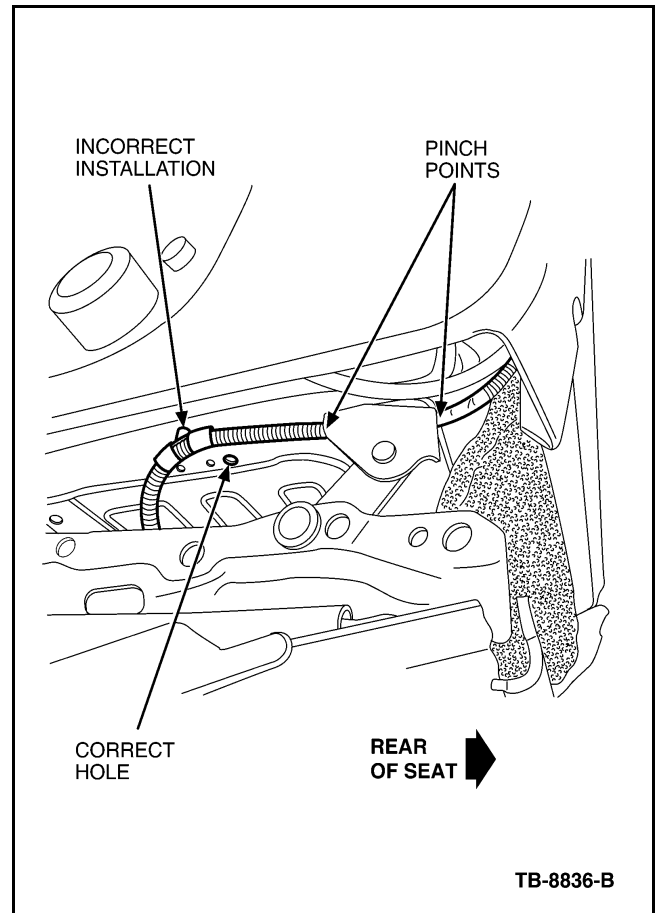


Figure 1 - Article 09-8-7

**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, 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.

## TSB 09-8-7 (Continued)

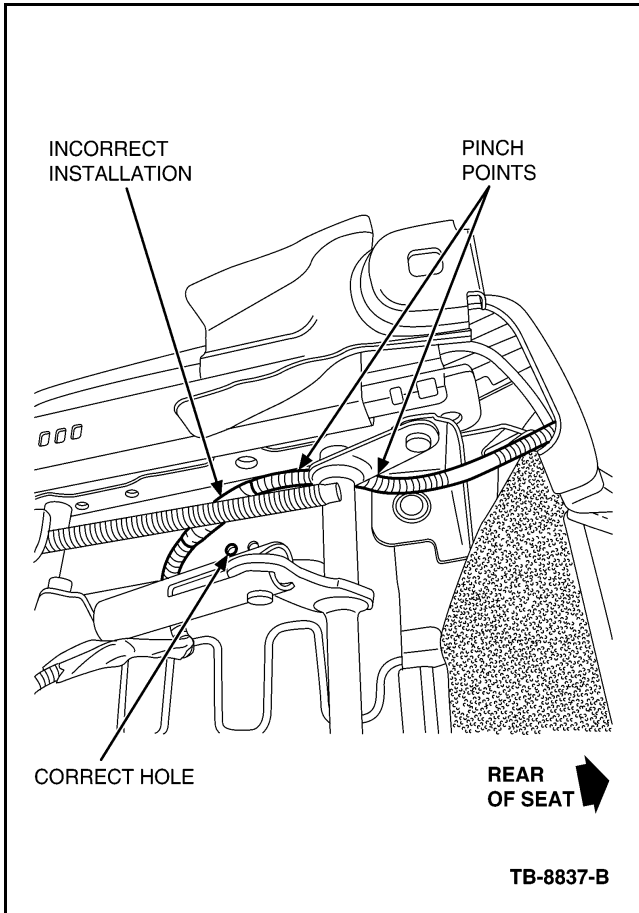


Figure 2 - Article 09-8-7

2. Remove the wire harness from the seat frame and inspect the wiring for damage.

### **NOTE**

IT WILL BE NECESSARY TO REMOVE THE CONVOLUTE TUBING TO PROPERLY INSPECT THE WIRING.

3. If wiring is damaged, repair the wire using the solder splicing procedure shown in the Wiring Diagram (WD), Section 5-5. It may be necessary to remove the seat cushion side shield to perform a harness repair.
4. Install the side airbag wire harness to the seat frame. (Figure 3)

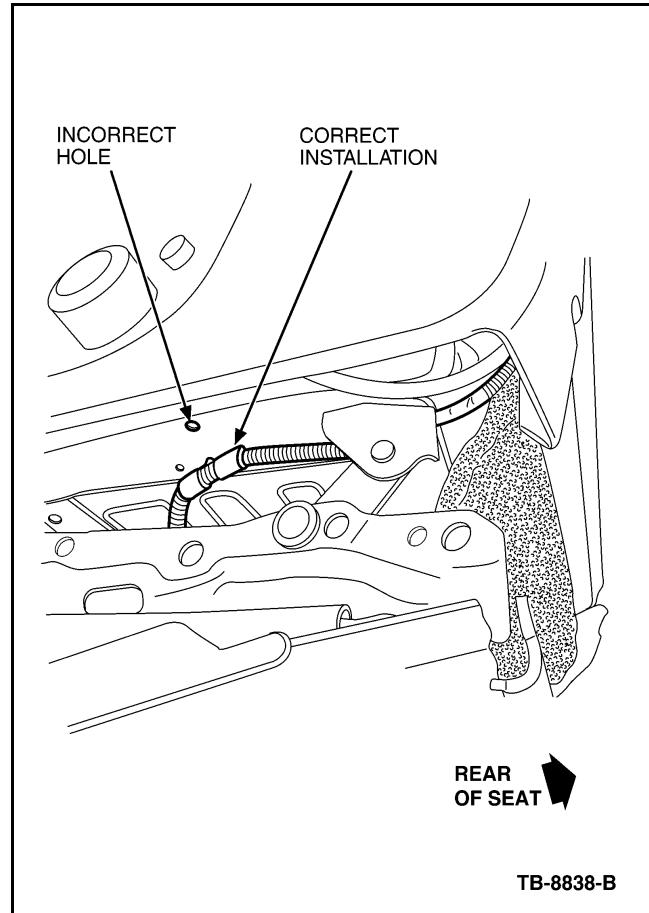


Figure 3 - Article 09-8-7

### **Body Wire Harness Repair**

1. Mark the body side airbag harness using a marker/paint pen where the harness tape stops. This will provide a reference where to stop taping upon repair completion.
2. Replace the body side wire harness connector with service pigtail. Unwrap the harness tape 3" (7.6 cm) to allow for room to perform connector replacement.
3. Remove the existing connector from the harness by cutting the harness wires 4.5" (11.4 cm) back from the connector body. (Figure 4)

## TSB 09-8-7 (Continued)

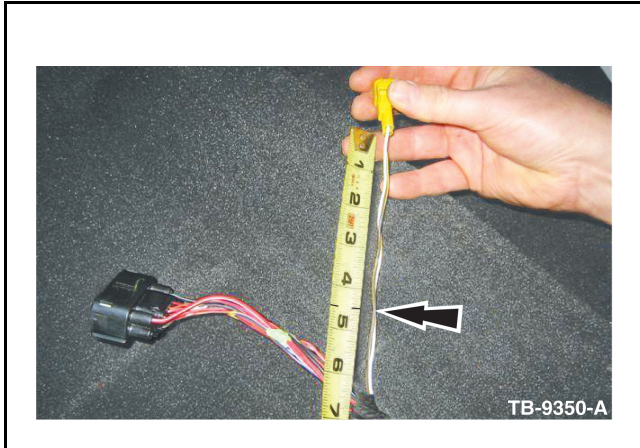


Figure 4 - Article 09-8-7

4. Cut Service pigtail wires 1.5" (3.8 cm) longer than body connector previously removed. This will allow enough length wire to perform a solder repair and maintain original harness length

### NOTE

DO NOT INCREASE OR DECREASE THE LENGTH OF THE SIDE AIRBAG HARNESS WHEN INSTALLING THE PIGTAIL.

5. When installing Service connector pigtail, be certain connector clip is installed facing the same direction as original. Use the removed original body connector wires matched to harness to ensure service pigtail is installed correctly.
6. Refer to WD, Section 5-5 for soldering the service pigtail connector onto the harness. Install heat shrink tube onto service pigtail wires prior to soldering. (Figure 5)

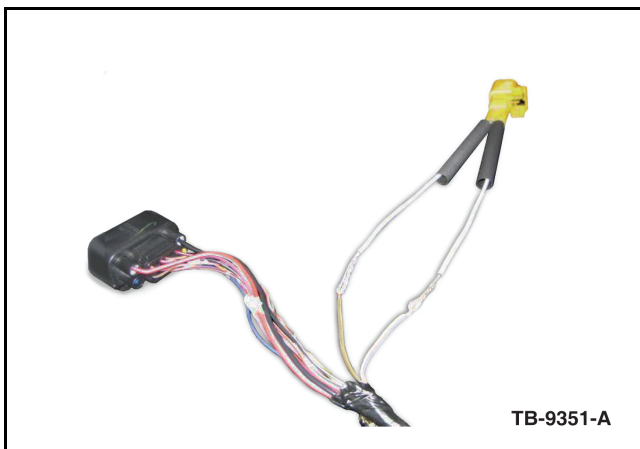


Figure 5 - Article 09-8-7

7. Tape the body harness, stopping at reference mark from Step 1.

8. Cut convolute provided with service pigtail to a 2.25" (5.7 cm) length. Install the convolute over the pigtail wires and tape each end of the convolute to prevent it from coming off wiring. (Figure 6)

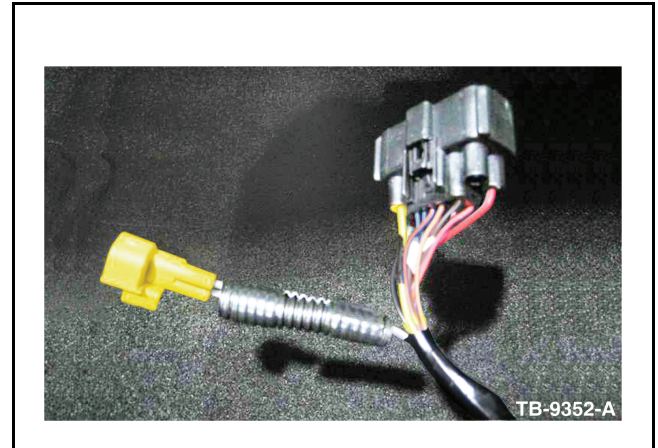


Figure 6 - Article 09-8-7

### Seat Installation

1. Install seat into vehicle, tip seat to reconnect wire harness connectors.
2. Install the seat track-to-floor bolts. Tighten to 35 lb-ft (48 N•m).
3. Install the seat track-to-floor nuts. Tighten to 35 lb-ft (48 N•m).
4. Install seat track nut covers.
5. Repower the SRS. For additional information, refer to WSM, Section 501-20B SRS Depowering and Repowering in the General Procedures.

| PART NUMBER    | PART NAME         |
|----------------|-------------------|
| 4L8Z-14S411-AA | Pigtail Connector |

**WARRANTY STATUS:** Eligible Under Provisions Of New Vehicle Limited Warranty Coverage  
**IMPORTANT:** Warranty coverage limits/policies are not altered by a TSB. Warranty coverage limits are determined by the identified causal part.

## TSB 09-8-7 (Continued)

| OPERATION | DESCRIPTION                                                                                                                                                                                                                                                                          | TIME     | 090807C                    | 2007-2009 Mustang:                                                                                                                                                                                                                                                 | 2.2 Hrs.                |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| 090807A   | 2007-2009 Mustang:<br>Repair Side Air Bag<br>Harness At Seat Frame<br>And Replace Body Side<br>Wire Harness Connector<br>With Service Pigtail.<br>Includes Time To Depower<br>And Repower The SRS,<br>Remove and Install Seat:<br>Passenger Seat (Do Not<br>Use With 14200A, 63100A) | 1.4 Hrs. |                            | Repair Side Air Bag<br>Harness At Seat Frame<br>And Replace Body Side<br>Wire Harness Connectors<br>With Service Pigtail.<br>Includes Time To Depower<br>And Repower The SRS,<br>Remove and Install Seats:<br>Both Front Seats (Do Not<br>Use With 14200A, 63100A) |                         |
|           |                                                                                                                                                                                                                                                                                      |          | DEALER CODING              |                                                                                                                                                                                                                                                                    |                         |
| 090807B   | 2007-2009 Mustang:<br>Repair Side Air Bag<br>Harness At Seat Frame<br>And Replace Body Side<br>Wire Harness Connector<br>With Service Pigtail.<br>Includes Time To Depower<br>And Repower The SRS,<br>Remove and Install Seat:<br>Driver Seat (Do Not Use<br>With 14200A, 63100A)    | 1.3 Hrs. | BASIC PART NO.<br>63611D10 |                                                                                                                                                                                                                                                                    | CONDITION<br>CODE<br>B4 |