



Flex Mat Rework for Model S

Classification	Parts and Accessories Bulletin	Section/Group	13 - Seats	Country/Region	All
Year	2012 - 2014	Model	Model S	Version	All

Bulletin Classification: This bulletin provides instructions and guidelines for a vehicle procedure that is not the result of a defect. This bulletin might not be VIN-specific. These instructions assume knowledge of motor vehicle and high voltage electricity repairs, and should only be executed by trained professionals. Tesla Motors assumes no liability for injury or property damage due to a failure to properly follow these instructions or repairs attempted by unqualified individuals.

Condition

A flex mat rework is available for the driver's seat in Model S. This rework allows the seat to match the comfort and feel of current production vehicles.

Correction

Upon customer request, modify the flex mat in the driver's seat. Enter "Goodwill" as the Pay Type in Warp Service.

Required Part(s):	Part Number	Description	Quantity
	1045831-00-A	END CAP FLEX MAT	4

Shop supplies:

5 mm cable ties (Qty. 2 required)

These part numbers were current at the time of publication. Use the revisions listed or later, unless otherwise specified in the Parts Manual.

Correction Description	Correction	Time
Vehicle Inspection Only; Flex Mat Modification Not Required	S011413001	0.2
Modify Driver's Seat Flex Mat	S021413001	0.6

Procedure

⚠ WARNING: Do not perform this procedure on the passenger's seat.

1. Remove the driver's seat assembly (refer to Service Manual procedure 13020101).
2. Place the driver's seat on a clean, flat surface so that the bottom side is accessible.

- Unhook the 5 J-clips that secure the seat upholstery to the cross wires on the flex mat (Figure 1).

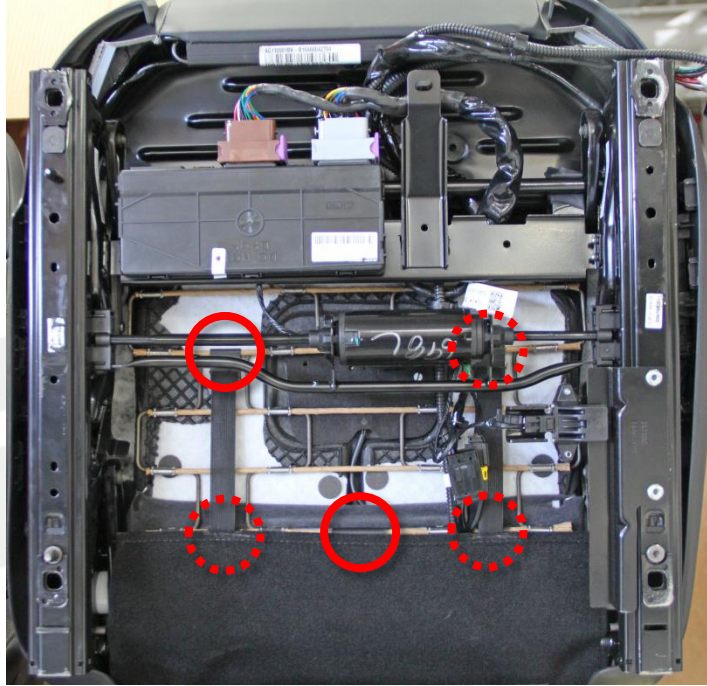


Figure 1

- Using an appropriate tool, remove the 16 metal crimps (Figures 2 and 3). Discard the 16 crimps and the 3 loose cross wires.

⚠ CAUTION: Do not remove the 4 crimps that are not circled in Figure 2; this section supports the seat sensor.

⚠ WARNING: Do not use a rotary multi-tool to remove the crimps.

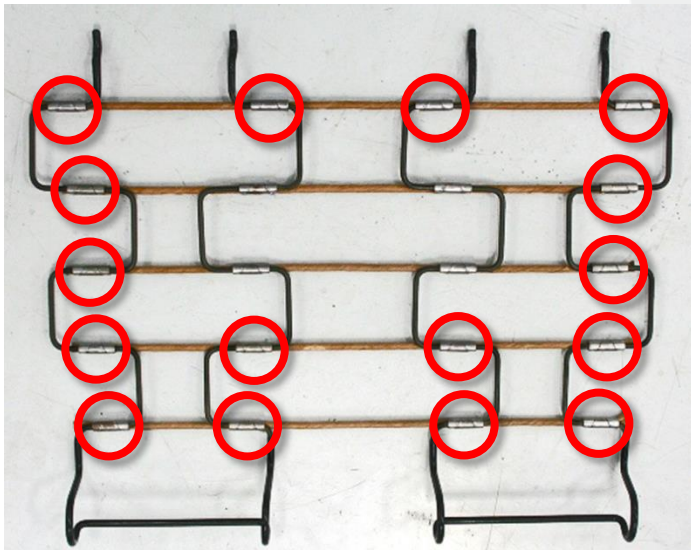


Figure 2

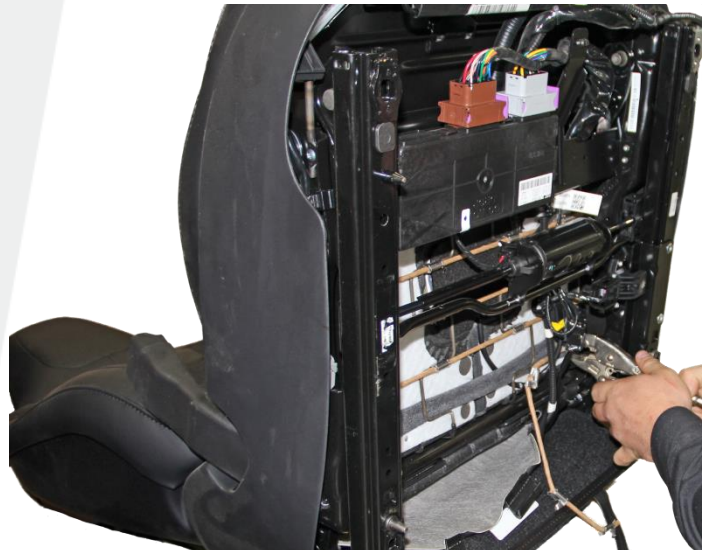


Figure 3

5. Using an appropriate tool, cut the 2 remaining cross wires roughly 15 mm from the outside of the 4 remaining metal crimps (Figures 4 and 5). Discard the cross wire portions that were removed.

⚠ WARNING: Do not use a rotary multi-tool to remove the cross wire portions.

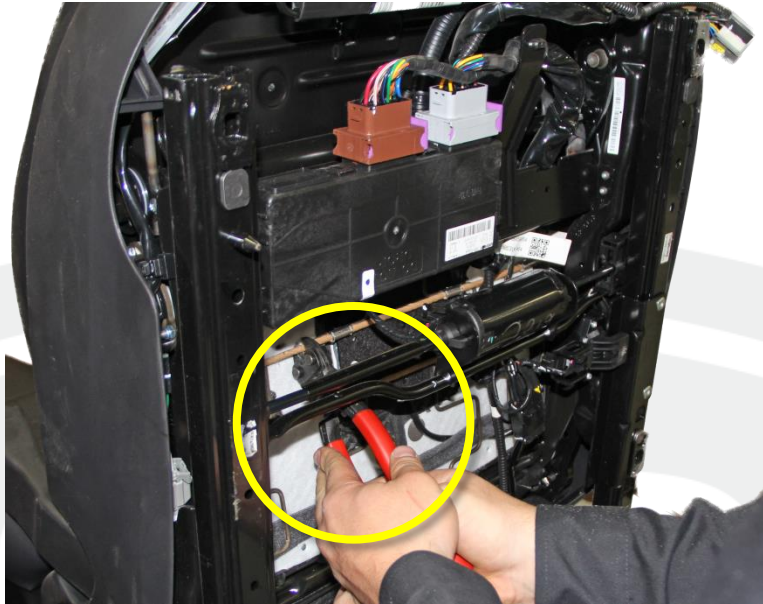


Figure 4

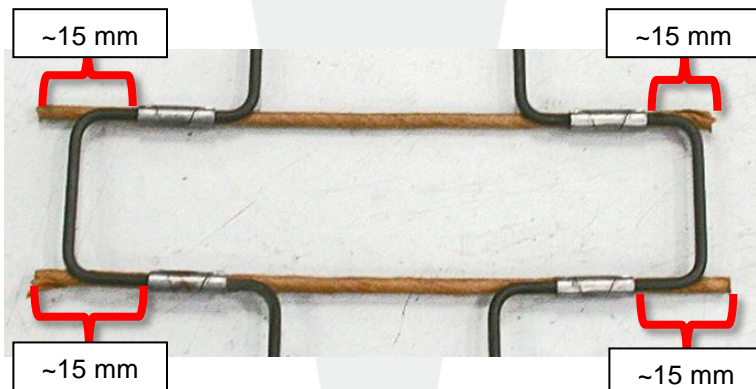


Figure 5

6. Install an end cap over each cross wire end (Figures 6 and 7).

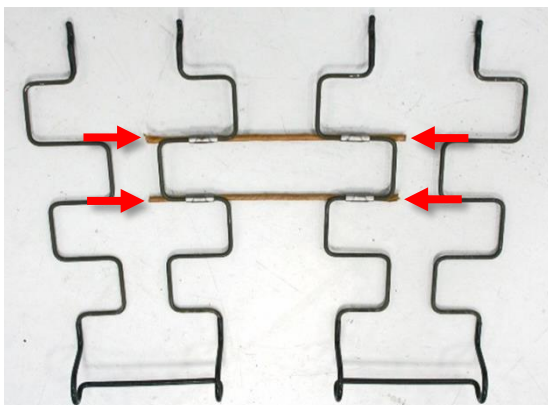


Figure 6

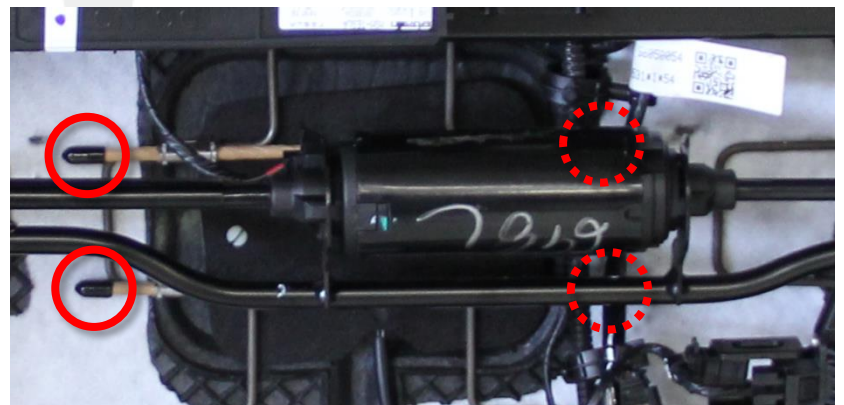


Figure 7

7. Install 5 mm wide cable ties around the rearmost flex mat springs and hook the 2 lower, outer seat cushion trim J-hooks onto the cable ties (Figures 8 and 9). Trim the excess portion of the cable ties so that they do not vibrate against the flex mat.

⚠ CAUTION: Leave the middle seat cushion trim hook hanging; do not connect it to a place where it could affect the seat sensor.

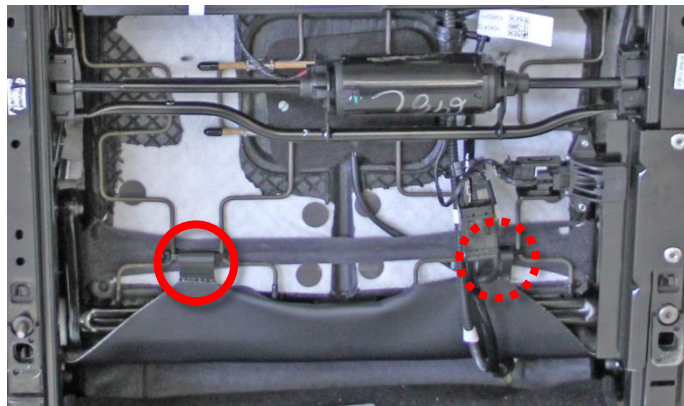


Figure 8

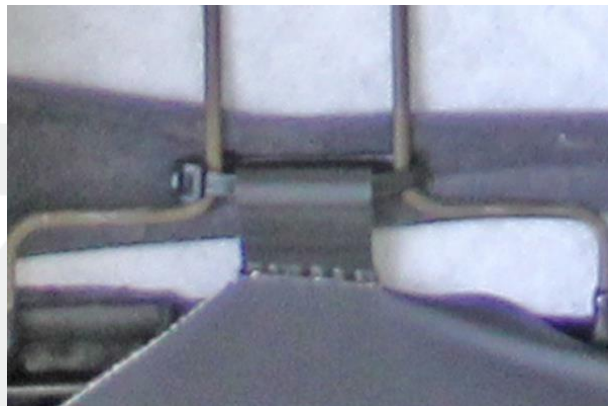


Figure 9

8. Hook the 2 upper seat cushion J-clips onto the flex mat (Figure 10).

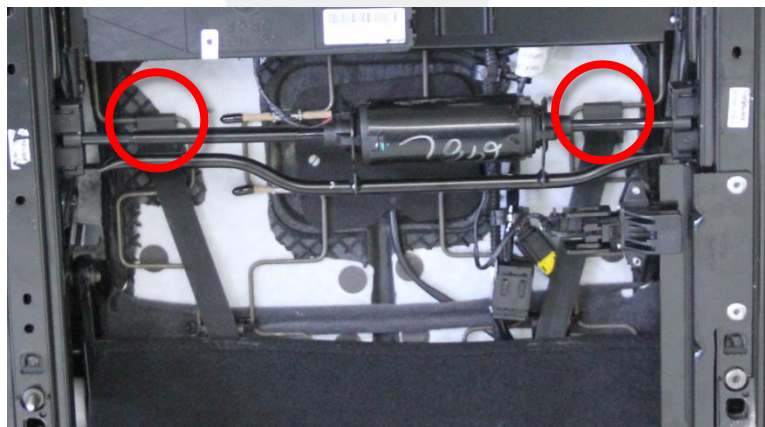


Figure 10

9. Reinstall the driver's seat assembly (refer to Service Manual procedure 13020101).
10. Press the brake pedal and wait several seconds to ensure that the air bag indicator light is not displayed.

Affected VIN(s) Affected Model S vehicles built before approximately February 1, 2014.

NOTE: This is a simplified summary of the affected VIN list. Refer to the VIN/Bulletin Tracker or Customer/Vehicle profile to determine applicability of this bulletin for a particular vehicle.

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