



## Inspect Front Seat Belt Pre-Tensioners for Correct Installation

<b>Classification</b>	Recall Bulletin	<b>Section/Group</b>	20 - Safety and Restraint	<b>Country/Region</b>	All
<b>Year</b>	2012-2015	<b>Model</b>	Model S	<b>Version</b>	All

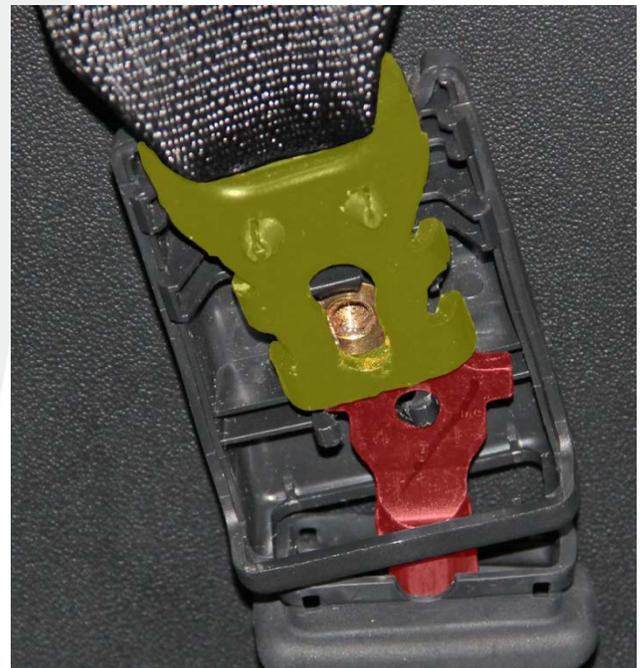
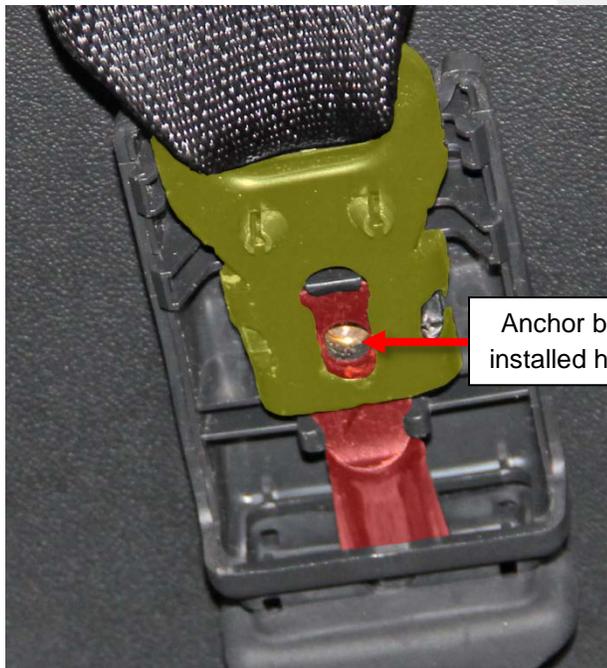
**Bulletin Classification:** This Recall Bulletin must be applied to all vehicles listed below. Recall Bulletins are mandatory service procedures that must be carried out by Tesla-certified Service Centers only. Work must be logged and tracked by Tesla Service. Any work carried out by uncertified technicians on this issue may not be appropriately performed or recorded and could lead to an unsafe condition and/or void warranty provisions.

### Condition

Some Model S vehicles might have been manufactured with the pre-tensioner(s) for the 1<sup>st</sup> row seat belts installed incorrectly. The pre-tensioner(s) might be secured to a plastic tab inside the upper pre-tensioner cover (Figure 2) instead of being secured to the seat belt by an anchor bolt (Figure 1).

**NOTE:** The following images show the inboard upper pre-tensioner cover and anchor bolt removed for clarity.

**NOTE:** The seat belt is secured by the anchor bolt in both cases.



✓ **Figure 1 (Correct; pre-tensioner highlighted in red, seat belt highlighted in yellow)**

✗ **Figure 2 (Incorrect; pre-tensioner highlighted in red, seat belt highlighted in yellow)**

### Correction

Inspect both front seat belt pre-tensioners to ensure that they are installed correctly. If either pre-tensioner is installed incorrectly, resecure the pre-tensioner.

Correction Description	Correction	Time
Inspect LH And RH 1 <sup>st</sup> Row Pre-Tensioners For Correct Installation; No Additional Work Required	S011520002	0.05
Inspect LH And RH 1 <sup>st</sup> Row Pre-Tensioners For Correct Installation; Resecure LH Pre-Tensioner	S021520002	0.10
Inspect LH And RH 1 <sup>st</sup> Row Pre-Tensioners For Correct Installation; Resecure RH Pre-Tensioner	S031520002	0.10
Inspect LH And RH 1 <sup>st</sup> Row Pre-Tensioners For Correct Installation; Resecure Both Pre-Tensioners	S041520002	0.10

Required Part(s):	Part Number	Description	Quantity
		<b>If required:</b>	
	1011544-00-A	ANCHOR PRETEN COVER ASSY UPPER, MAMMOTH	1 or 2
	1011545-00-A	ANCHOR PRETEN COVER ASSY UPPER -ZUMA	1 or 2

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

## Procedure

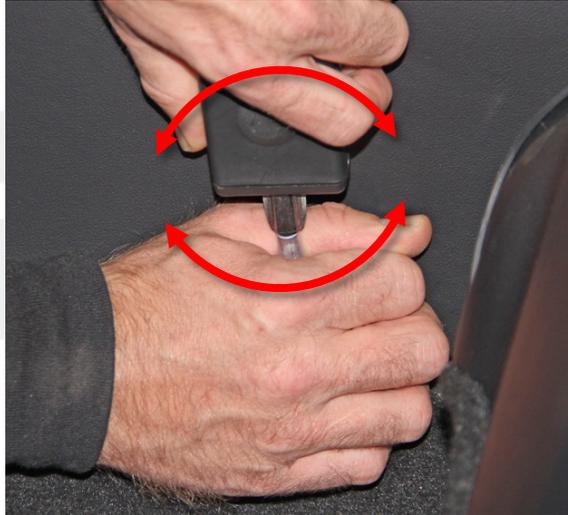
**NOTE:** This procedure must be performed on both the LH and RH 1<sup>st</sup> row seat belt pre-tensioners.

1. Move both front seats fully forward for access.
2. Pull the rubber pre-tensioner cover down (Figure 3).



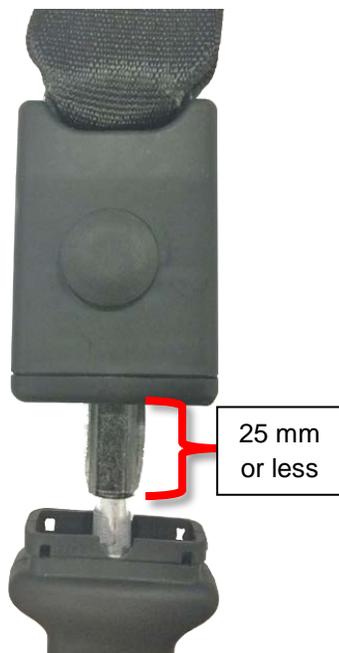
Figure 3

3. While holding the upper pre-tensioner cover with one hand and the pre-tensioner crimp with the other, firmly pivot the upper pre-tensioner cover and pre-tensioner back and forth to test if the pre-tensioner moves freely (Figure 4).
  - If the pre-tensioner feels firm and moves in unison with the upper pre-tensioner cover and seat belt, continue to the next step.
  - If the pre-tensioner feels loose or moves freely or with little resistance, skip to the “Resecure the Pre-tensioner” section of this document.

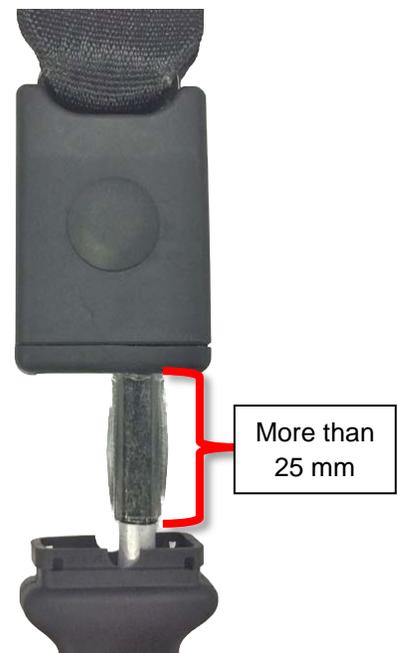


**Figure 4**

4. Measure the distance between the bottom of the upper pre-tensioner cover and the bottom of the exposed crimp:
  - If the distance is 25 mm (1 in) or less (Figure 5), continue to the next step.
  - If the distance is more than 25 mm (1 in) (Figure 6), skip to the “Resecure the Pre-tensioner” section of this document.



**✓ Figure 5**



**✗ Figure 6**

5. Reinstall the rubber pre-tensioner cover (Figure 7).



**Figure 7**

6. Reposition the seat back to its original position.
7. Perform steps 2-6 on the other side of the vehicle.

## **Resecure the Pre-tensioner**

1. Use a trim tool to carefully release the anchor bolt cap from the inboard upper pre-tensioner cover.
2. Remove and discard the anchor bolt that secures the seat belt to the pre-tensioner (Figure 8).



**Figure 8**

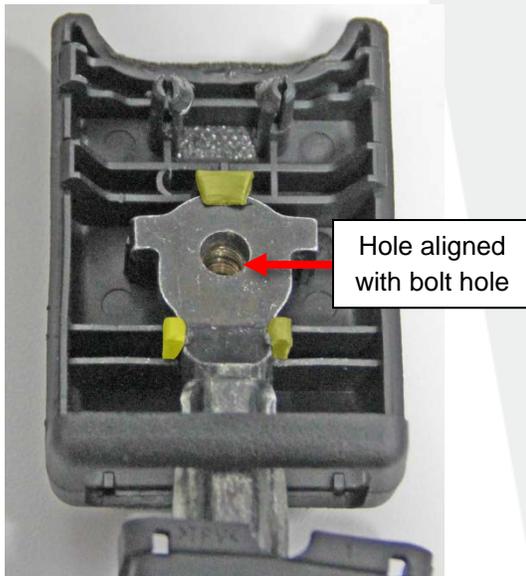
3. Remove and discard the inboard upper pre-tensioner cover.

- Carefully release the seat belt assembly from the upper pre-tensioner cover (Figure 9). Temporarily move the seat belt away from the working area.



**Figure 9 (Seat belt assembly highlighted)**

- Release the pre-tensioner from the plastic retaining tab in the upper pre-tensioner cover (Figure 11). Reposition the pre-tensioner so that it is centered between the 3 plastic retaining tabs with the hole aligned with the bolt hole (Figure 10).



**✓ Figure 10 (Retaining tabs highlighted)**



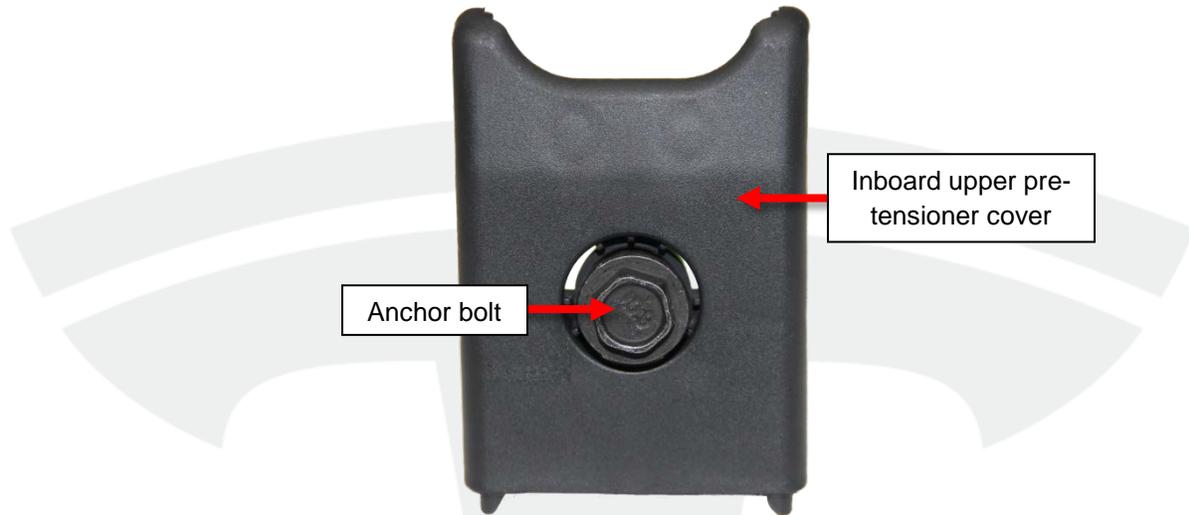
**✗ Figure 11**

- Resecure the seat belt assembly to the pre-tensioner (Figure 1).

7. Install the new inboard upper pre-tensioner cover (Figure 12).

**⚠ WARNING:** Do not allow the pre-tensioner or seat belt to move out of position.

8. Use the anchor bolt that is included with the new inboard upper pre-tensioner cover to secure the seat belt to the pre-tensioner (torque 9 Nm) (Figure 12).



**Figure 12**

9. Reinstall the anchor bolt cap.

10. Return to step 3 of the "Procedure" section of this document to ensure that the pre-tensioner was resecured correctly.

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**Affected VIN(s)** All Model S vehicles built before approximately November 12, 2015.

**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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