	Tesla, Inc.	**Install Ferrites to Reduce Static Noise From A-pillar Tweeters**
	Service Bulletin	
SB-19-17-014		
December 13, 2019		

Classification	Section/Group	Mobile Service
Repair Bulletin	17 - Electrical	Available (where permitted)

Model Year	Model	Country/Region	Version
2016 - 2018	Model S, Model X	All	Autopilot HW2 or later with Tegra MCU

The model(s) and model year(s) listed are a general approximation 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.

Repair Bulletin: This repair bulletin provides instructions on addressing a noted condition or possible customer concern regarding the operation of Tesla vehicles. These instructions should only be performed by trained professionals.

Condition

Some Autopilot HW2 or later Model S and Model X vehicles with Tegra Media Control Units (MCUs) may emit a faint static noise coming from the tweeters on the A-pillar. The noise is generally heard when it is very quiet in the cabin (the vehicle is in Park with climate control and media player off, etc.).

Correction

Upon confirming that there is a static noise coming from the tweeters on the A-pillar, install ferrites on the MCU audio amplifier power supply circuit.

Correction Description	Correction	Time
SB-19-17-014 Not Applicable	S011917014	0.00
Install Ferrites To Reduce Static Noise From A-pillar Tweeters, Model S	S021917014	0.65
Install Ferrites To Reduce Static Noise From A-pillar Tweeters, Model X	S031917014	0.90

	Part Number	Description	Quantity
Parts Required	1467089-00-A	75 ROUND CABLE CORE ASSM - FERRITE	2

This part number was current at the time of publication. Use the revisions listed or later, unless otherwise specified in the Parts Catalog.

Special Tools	1055662-00-A	ANTI-STATIC MAT/W WRIST GROUNDING CORD AND WRIST STRAP
	1065660-00-A	ESD FOAM CONTAINER FOR MEDIA CONTROL UNIT

Procedure

1. Remove the MCU from the vehicle (refer to Service Manual procedure 21060101).

2. Gently place the MCU on the foam ESD container with the touchscreen facing down.

3. Identify the affected connector (X425 on Model S, X175 on Model X) that was plugged into the MCU (Figure 1).

Figure 1

4. Remove approximately 100 mm of harness tape from the connector's harness (Figure 2).

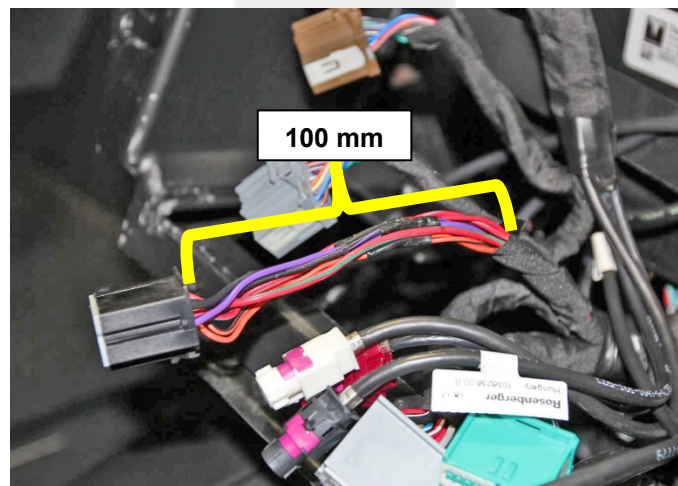   📋 **NOTE:** Remove enough harness tape to allow installation of both ferrites.

Figure 2

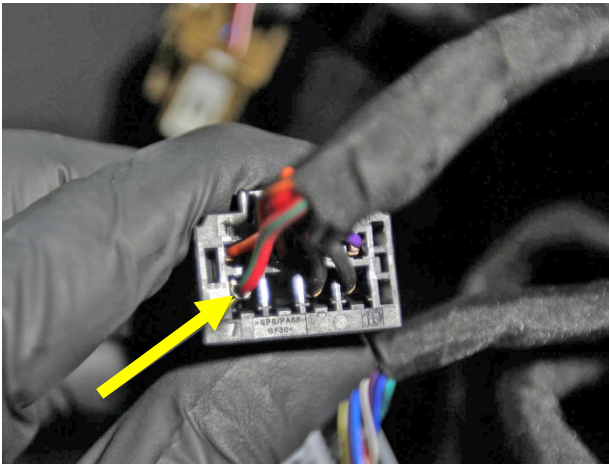5. Identify the wire that connects to pin 7 on the connector (Figures 3 and 4).
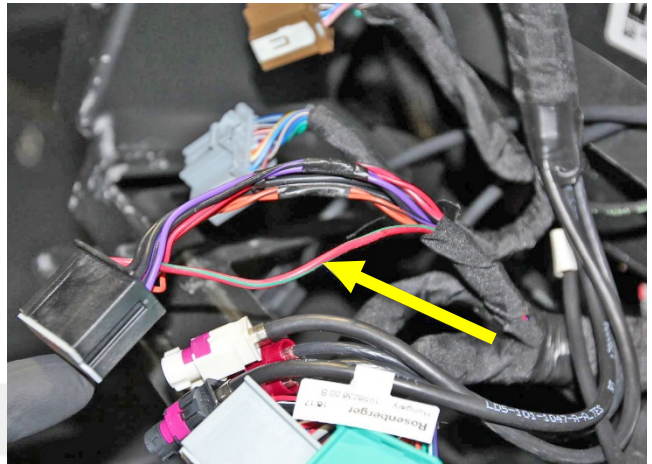

Figure 3

Figure 4

6. Position the first ferrite on the pin 7 wire as close to the connector as possible and then install the second ferrite as close as possible to the first ferrite (Figures 5 and 6).
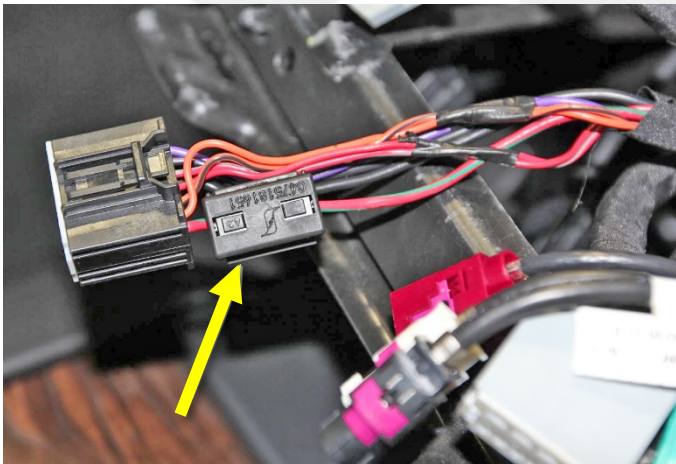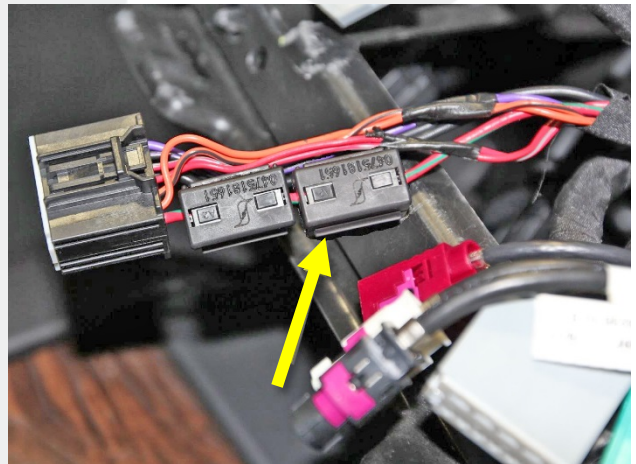

Figure 5

Figure 6

7. Wrap the harness and ferrites with harness tape to secure the ferrites in place and avoid noise and vibration issues (Figure 7).
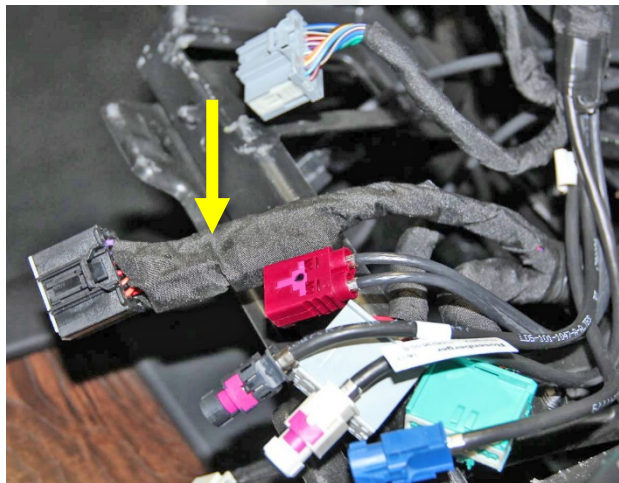

Figure 7

8. Reinstall the MCU (refer to Service Manual procedure 21060101).