



Install Ground Service Bracket

Classification Campaign Bulletin **Section/Group** 17 - Electrical **Country/Region** EU, APAC

Year 2016-2017 **Model** Model S **Version** RHD

Bulletin Classification: *This campaign bulletin addresses a known non-safety-related condition and provides recommended technical diagnosis and repair procedures. Apply this procedure to all vehicles in the affected VIN range listed. These instructions assume knowledge of motor vehicle and high voltage electrical component repairs, and should only be executed by trained professionals. Tesla assumes no liability for injury or property damage due to a failure to properly follow these instructions or repairs attempted by unqualified individuals.*

Condition

On some RHD Model S vehicles, vehicle vibrations near the location of the ground connection for the Electronic Power Assisted Steering (EPAS) electrical harness may cause the ground connection to become loose, especially if disturbed during service. If the ground connection becomes too loose, steering the vehicle may require greater effort.

Correction

Install a ground service bracket so that the EPAS electrical harness ground connection is securely restrained.

Correction Description	Correction	Time
SB-19-17-006 Not Applicable	S011917006	0.0
Install Ground Service Bracket	S021917006	0.2

Required Part(s):	Part Number	Description	Quantity
	1485757-00-A	SERVICE BRACKET, GROUND, MS, RHD	1

Shop supplies:
Cable tie

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

Procedure

1. Remove the underhood storage unit (refer to Service Manual procedure 15242301).
2. Disconnect 12V power (refer to Service Manual procedure 17010300).

3. Loosen, but do not remove, the nut that attaches the EPAS electrical harness ground connection to the RH frame rail (Figure 1).



Figure 1

4. Release the barrel clips (x2) that attach the front electrical harness to the RH frame rail (Figure 2).

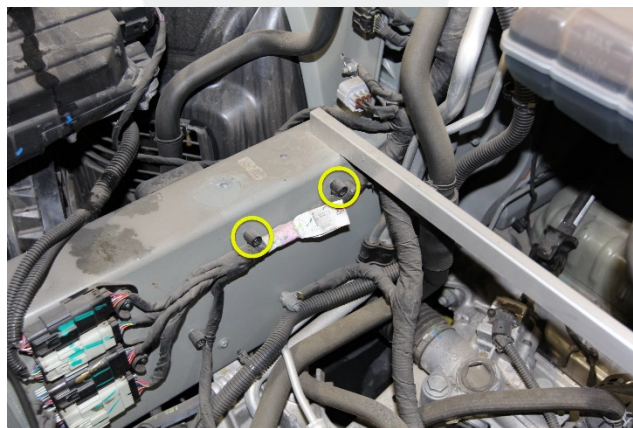


Figure 2

5. Install the ground service bracket onto the RH frame rail studs, behind the front electrical harness and the EPAS electrical harness ground connection (Figure 3).



Figure 3

6. Fasten the barrel clips (x2) that attach the front electrical harness to the RH frame rail (Figure 2).
7. Position the EPAS electrical harness ground connection to the ground service bracket so that the connection is up and to the right in reference to the nut, and the EPAS electrical harness does not contact the coolant hose (Figure 4).

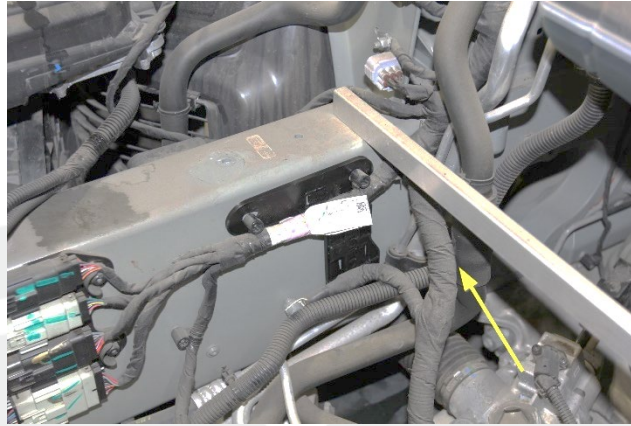


Figure 4

8. Select the appropriate holes in the ground service bracket so that a cable tie can secure the EPAS electrical harness ground connection to the bracket in position (Figure 5).



Figure 5

9. Use the cable tie to secure the EPAS electrical harness ground connection to the ground service bracket, and then remove excess cable tie (Figure 6).



Figure 6

10. Tighten the nut that attaches the EPAS electrical harness ground connection to the RH frame rail (torque 9 Nm) (Figure 1).
11. Connect 12V power (refer to Service Manual procedure 17010300).
12. Install the underhood storage unit (refer to Service Manual procedure 15242301).

Affected VIN(s) Affected RHD Model S vehicles built between approximately October 12, 2016 and August 22, 2017.

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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