



Ensure Proper Clearance Between A/C Line and Brake Line

Classification	Campaign Bulletin	Section/Group	18 - Thermal Management	Country/Region	Asia Pacific, Europe
Year	2015	Model	Model S	Version	RHD Dual Motor

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 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

In some RHD Dual Motor Model S vehicles, there might not be sufficient clearance between the air conditioning (A/C) line and brake line bundle, which could cause a perceived quality issue with noise or vibration clearly evident to the driver. If allowed to persist, this could result in an A/C malfunction.

Correction

Inspect the possible area of interference between the A/C line and the brake line bundle. If necessary, move the A/C line to increase clearance or replace the brake line bundle.

Required Part(s):	Part Number	Description	Quantity
	If necessary:		
	1054571-00-A	2 TUBE BUNDLE - IBOOSTER TO ABS - DM RHD	1

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
SB-15-18-003 Not Applicable	S011518003	0.00
Inspect Clearance Between A/C Line and Brake Line; No Additional Work Required	S021518003	0.75
Inspect Clearance Between A/C Line and Brake Line; Adjust A/C Line	S031518003	0.95
Inspect Clearance Between A/C Line and Brake Line; Adjust A/C Line and Replace Brake Line Bundle	S041518003	3.55

Procedure

1. Remove the cowl screen (refer to Service Manual procedure 12250902).
2. Measure the distance between the A/C line and the front brake line (Figure 1):
 - If there is at least 5 mm of clearance, no additional work is needed. Discontinue this procedure and reinstall the cowl screen.
 - If there is less than 5 mm of clearance, continue this procedure.

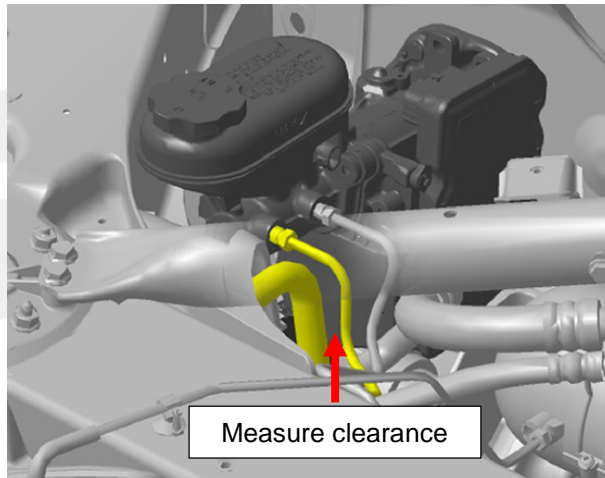


Figure 1

3. Remove the underhood storage unit (refer to Service Manual procedure 15242002).
4. Ensure that the 2 clips that secure the brake lines to the bottom of the front crossmember are fully seated (Figure 2).

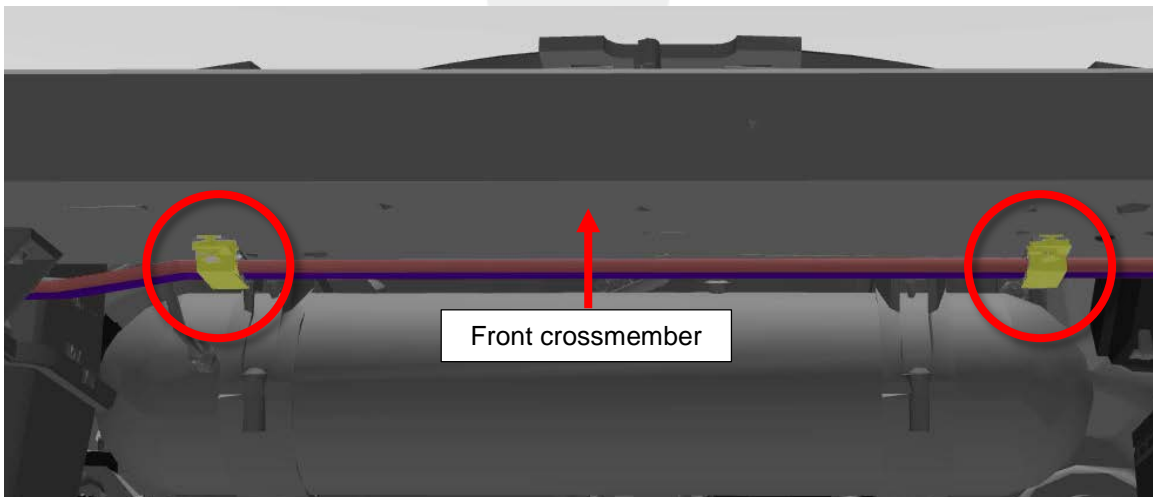


Figure 2

5. Release the upper fastener that secures the A/C line (torque 6.5 Nm) (Figure 3).

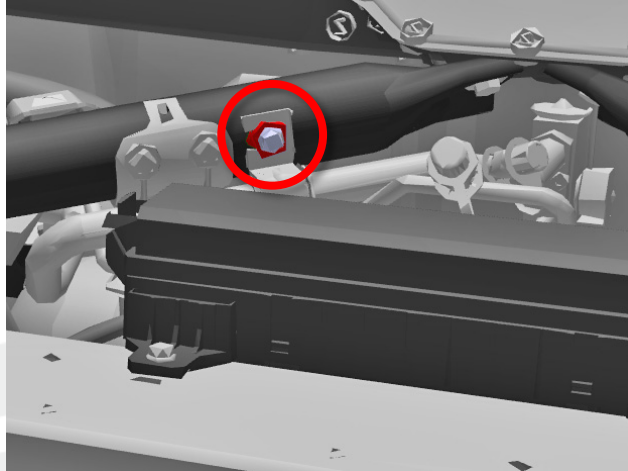


Figure 3

6. Release the lower fastener that secures the A/C line (torque 6.5 Nm) (Figure 4).

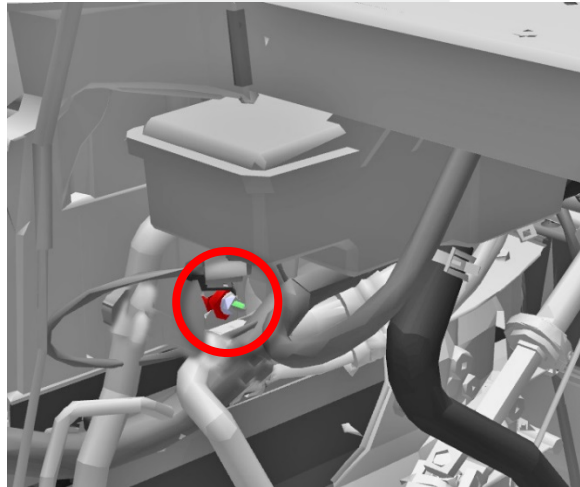


Figure 4

7. Have an assistant monitor the clearance between the A/C line and brake line (Figure 1). Gently adjust the position of the A/C line until there is 5 mm of clearance.
8. Resecure the A/C line fasteners.
9. Inspect the brake lines near the booster. Replace the front brake line bundle if any of the following are true (refer to Service Manual procedure 33034502):
 - The rubber on the brake lines is worn
 - The brake lines touch each other
10. Reinstall all components that were removed for access.

Affected VIN(s) Affected European and Asian Pacific Dual Motor RHD Model S vehicles built between approximately January 14 and October 13, 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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