



Reroute HVAC Drain Hose

Classification	Campaign Bulletin	Section/Group	18 - Thermal Management	Country/Region	All
Year	2015	Model	Model S	Version	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

The HVAC drain hose may be misrouted and/or kinked on some Model S vehicles. If the hose is misrouted or kinked, condensation might pool in the HVAC unit, possibly causing low electrical isolation. This could cause the vehicle not to restart after it is turned off.

Correction

Inspect the HVAC drain hose. If necessary, reroute the drain hose and ensure that the hose is free of kinks.

Correction Description	Correction	Time
HVAC Drain Hose Inspection; No Rerouting Required	S011518002	0.15
Reroute HVAC Drain Hose Through Underhood Opening	S021518002	0.15
Remove Additional Components, Reroute HVAC Drain Hose	S031518002	0.70

Required Part(s):	Part Number	Description	Quantity
If necessary:	1033953-00-A	MDL S,THERM SYS,HVAC DRAIN HOSE,CLIP	1
Shop supplies:		Alcohol wipes	

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 15242002).

2. Inspect the drain hose to ensure that it is routed in front of the HV battery and is secured to the clip on the front subframe beneath the RH jackshaft (Figure 1):
 - If the hose is properly routed and secured to the clip on the front subframe, no additional work is required. Reinstall all components that were removed for access and discontinue this procedure.
 - If the hose is properly routed but loose, secure it to the clip on the front subframe as shown in Figure 1. Reinstall all components that were removed for access and discontinue this procedure.
 - If the hose is not properly routed, continue to the “Locate and Reroute Hose” section of this document.

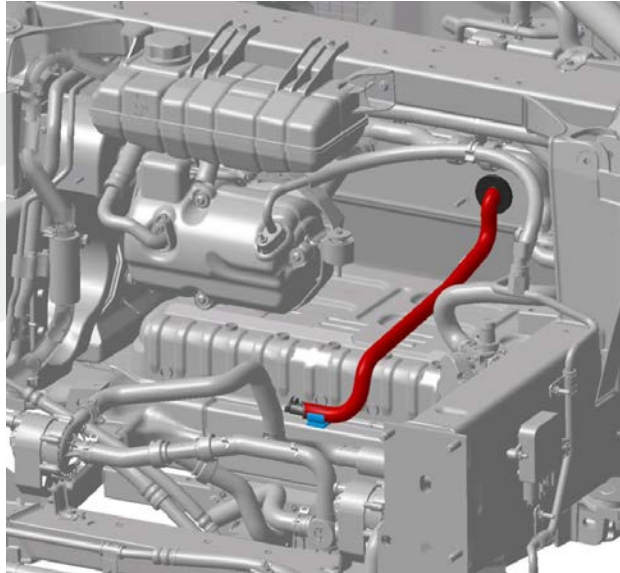


Figure 1 (Shown with components removed for clarity)

Locate and Reroute Hose

1. If there is no clip as shown in Figure 1, thoroughly clean the appropriate area on the front subframe with an alcohol wipe, then install a new clip.

⚠ CAUTION: Allow the surface to fully dry before installing the new clip.

2. Inspect the surrounding area for the drain hose:
 - If the hose is easily accessible, route it as shown in Figure 1 and secure it to the front subframe. Reinstall all components that were removed for access and discontinue this procedure.
 - If the hose is not easily accessible, continue to the “Remove Additional Components to Reroute Hose” section of this document.

Remove Additional Components to Reroute Hose

1. Remove the cowl screen panel (refer to Service Manual procedure 12250902).
2. Remove the RH shock tower to bulkhead strut (refer to Service Manual procedure 10102002).
3. Release the 2 bolts that secure each of the 2 fuse boxes to the front crossmember (torque 5 Nm). Move both fuse boxes behind the front crossmember.

4. **Air Suspension Vehicles only:** Release the 2 bolts that secure the air suspension reservoir to the front crossmember (torque 2.5 Nm) (Figure 2). Gently lift the tank and move it out of the working area.

⚠ CAUTION: Do not damage the air line that is connected to the reservoir.

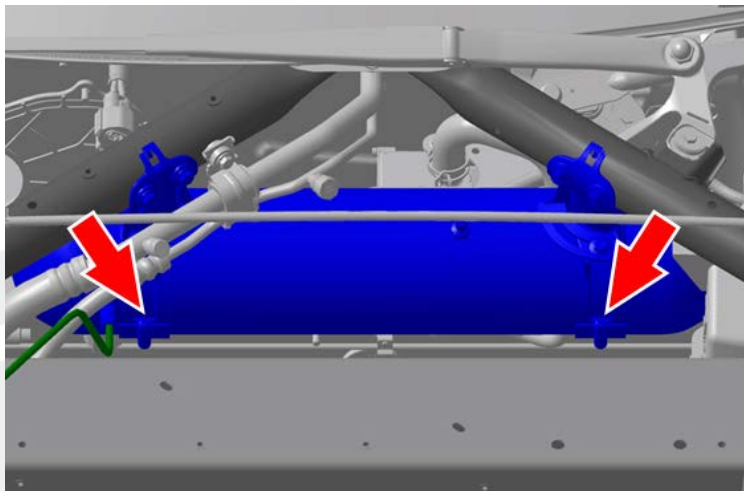


Figure 2

5. Locate the drain hose. Route and secure it to the clip as shown in Figure 1.
6. Reinstall all components that were removed for access.

Affected VIN(s) Affected Dual Motor Model S vehicles built between approximately April 1, 2015 and June 10, 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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