



Tesla, Inc.
Service Bulletin

Inspect Coolant Hose For Proper Routing

SB-22-18-001

January 25, 2022

Classification		Section/Group	Mobile Service
Campaign Bulletin		18 - Thermal Management	Cannot Perform
Model Year	Model	Country/Region	Version
2021	Model 3	Europe	Dual Motor

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.

Campaign Bulletin: 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 list.

Condition

Certain Model 3 vehicles might have been manufactured with the Superbottle to powertrain coolant supply hose incorrectly routed under the battery beam and on top of the front drive unit (FDU). In this situation, the FDU might abrade the hose until it leaks, and the subsequent loss of coolant might cause the vehicle to enter limp mode.

Correction

Inspect the routing of the coolant hose, and if incorrectly routed, or if the hose is visibly abraded, replace the hose.

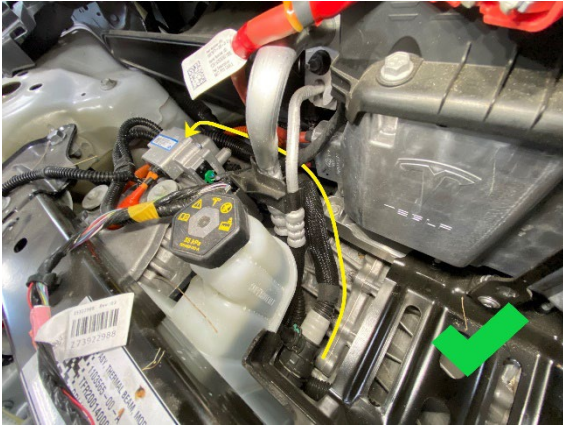
Correction Description	Correction	Time
SB-21-18-003 Not Applicable	S012218001	0.00
Inspect Coolant Hose, No Replacement Necessary	S022218001	0.05
Inspect And Replace Coolant Hose	S032218001	0.95

Part Number	Description	Quantity
Parts Required		
1077592-98-D	One of the following: RWK,Hose (PT), PUMP1 TO TUNNEL	1
1077592-77-F	Or Hose (PT), PUMP1 TO TUNNEL	1

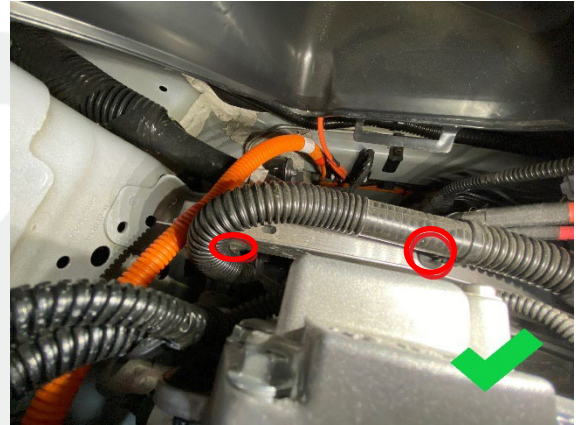
These part numbers were current at the time of publication. Use the revisions listed or later, unless otherwise specified in the [Parts Catalog](#).

Procedure

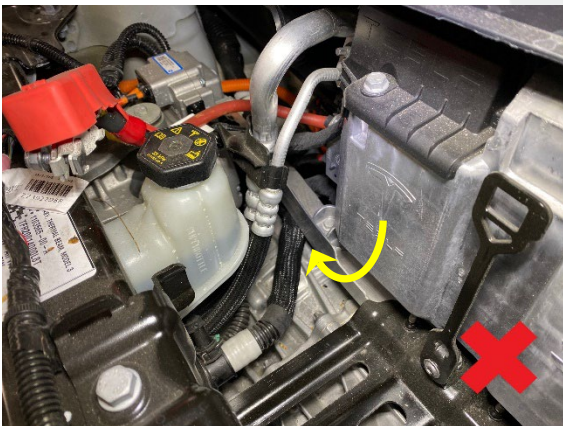
1. Remove the outer HVAC plenum duct (refer to Service Manual procedure [18109102](#)).
2. Verify that the Superbottle to powertrain coolant supply hose is routed over the battery beam (Figures 1 and 2), and not routed under the battery beam and on top of the FDU (Figures 3 and 4).
 - If the hose is routed under the battery beam and on top of the FDU, discontinue this procedure and replace the Superbottle to powertrain coolant supply hose (refer to Service Manual procedure [18300172](#)). Use correction code S032218001.
 - If the hose is routed over the battery beam, continue to the next step.



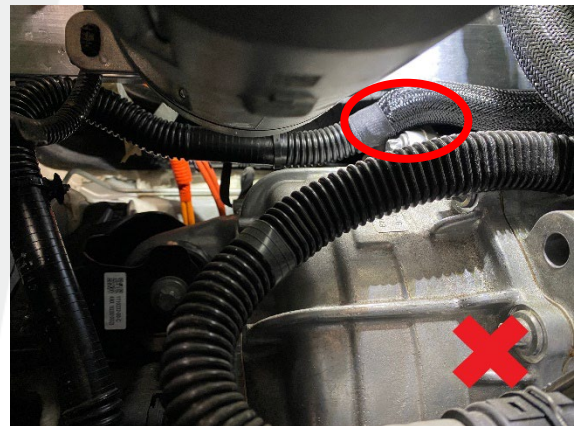
✓ Figure 1 – Hose routed on top of battery beam (12V battery removed for clarity)



✓ Figure 2 – Hose routed on top of battery beam



✗ Figure 3 – Hose routed under battery beam (12V battery removed for clarity)



✗ Figure 4 – Hose routed under battery beam and on top of FDU

3. Use a mirror and flashlight to inspect the condition of the Superbottle to powertrain coolant supply hose.
 - If the hose is visibly abraded, discontinue this procedure and replace the Superbottle to powertrain coolant supply hose (refer to Service Manual procedure [18300172](#)). Use correction code S032218001.
 - If there is no sign of abrasion, continue to the next step.
4. Make sure that the clips that attach the Superbottle to powertrain coolant supply hose to the battery beam are secure (Figure 2).
5. Install the outer HVAC plenum duct (refer to Service Manual procedure [18109102](#)). Use correction code S022218001.