



Install Rear Drive Unit Inverter Coolant Manifold Bolt

Classification	Campaign Bulletin	Section/Group	40 - Rear Drive Unit	Country/Region	United States
Year	2017	Model	Model 3	Version	All

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 Model 3 vehicles, one of the bolts that helps to secure the rear drive unit inverter coolant manifold to the inverter housing might not have been installed. Consequently, coolant might leak from the manifold.

Correction

Inspect the rear drive unit inverter coolant manifold. Install a bolt, if necessary.

Correction Description	Correction	Time
Inspect RDU Inverter Coolant Manifold; Bolt Present	S011840002	0.25
Inspect RDU Inverter Coolant Manifold; Install Bolt	S021840002	0.30

Required Part(s):	Part Number	Description	Quantity
	1015888-00-C	BOLT PF M5x16 PC109 SEAL	As necessary
This part number was current at the time of publication. Use the revisions listed or later, unless otherwise specified in the Parts Manual.			

Procedure

1. Create a Toolbox session.
2. Remove the mid aero shield panel (refer to Service Manual procedure 12030502).

3. Take a photo of the rear drive unit inverter coolant manifold in the area between the LH side of the rear subframe assembly and the body, and upload the photo to Toolbox. Do this whether the bolt is installed or missing (Figure 1).

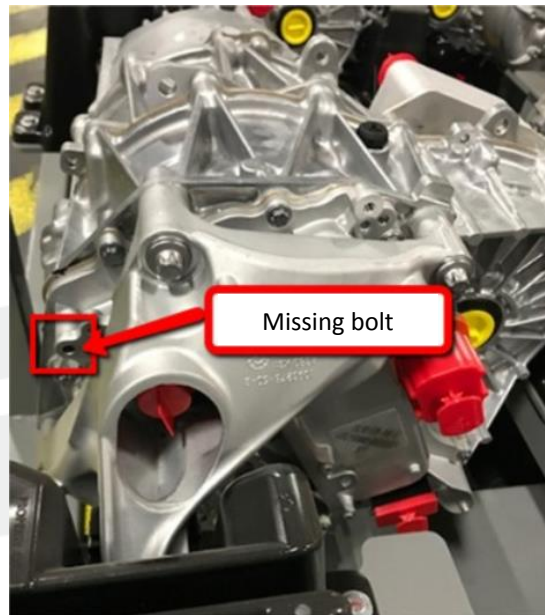


Figure 1

4. If the rear drive unit inverter coolant manifold bolt is installed, reinstall the mid aero shield panel, lower the vehicle, and discontinue this procedure.
5. If the rear drive unit inverter coolant manifold bolt is missing:
 - If coolant is leaking at the manifold, stop this procedure and escalate the Toolbox session.
 - If coolant is not leaking at the manifold, continue to the next step.
6. Remove the LH rear wheel (refer to Service Manual procedure 34015001).
7. Raise the vehicle fully.
8. Install the bolt that secures the rear drive unit inverter coolant manifold to the inverter (torque 10 Nm).
9. Take a second photo after the bolt is installed, and upload the photo to Toolbox. Make sure that the newly-installed bolt is clearly visible in the photo.
10. Reinstall the mid aero shield panel (refer to Service Manual procedure 12030502).
11. Reinstall the LH rear wheel (refer to Service Manual procedure 34015001).

Affected VIN(s) Affected Model 3 vehicles built between approximately December 4, 2017 and December 28, 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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