



Tesla, Inc.
Service Bulletin

Tighten Front Frame Rail Bolts

SB-24-10-002

January 23, 2024

| Classification | | Section/Group | Mobile Service | Configuration |
|-----------------|------------------|----------------|----------------|---------------|
| Repair Bulletin | | 10 - Body | Cannot Perform | All |
| Model Year | Model | Country/Region | Build Location | |
| 2021 - 2023 | Model S, Model X | All | Fremont | |

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.

Repair Bulletin: This repair bulletin provides instructions on addressing a possible customer concern regarding the operation of Tesla vehicles. These instructions should only be performed by trained professionals.

Condition

On some Model S and Model X vehicles, the LH and RH frame rail bolts might not have been tightened to specification, which could result in a creak or rattle noise coming from the front of the vehicle while turning the steering wheel at low speeds. This condition does not affect the structural integrity of the vehicle.

Correction

Inspect the vehicle for symptoms related to the condition. If the symptom is present, tighten the bolts that attach the inner and outer threaded inserts of the front frame rails to specification.

| Correction Description | Correction | Time | |
|--------------------------------|------------|---------|---------|
| | | Model S | Model X |
| SB-24-10-002 Not Applicable | S012410002 | 0.00 | 0.00 |
| Tighten Front Frame Rail Bolts | S022410002 | 1.08 | 1.20 |

| | Part Number | Description |
|----------------------|--------------|-----------------------------|
| Special Tools | 1054720-00-A | PORTABLE BENCH |
| | 1080568-00-A | OIL/COOLANT CATCHER |
| | 1135762-00-A | KIT, SVC PLUG, COOLING HOSE |

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

Shop Supplies Paint Pen Marker

Procedure

1. Remove the cooling fan module (refer to Service Manual procedure 18201312; [Model S](#), [Model X](#)).

NOTE: Remove the cooling fan module from the vehicle with the active grille shutter still attached as a complete assembly. Do not separate the active grille shutter from the cooling fan module after removing the assembly.

2. Tighten the T25 bolts (x2) that attach the inner and outer threaded inserts on the RH front frame rail (Figure 1) (torque 7 Nm).

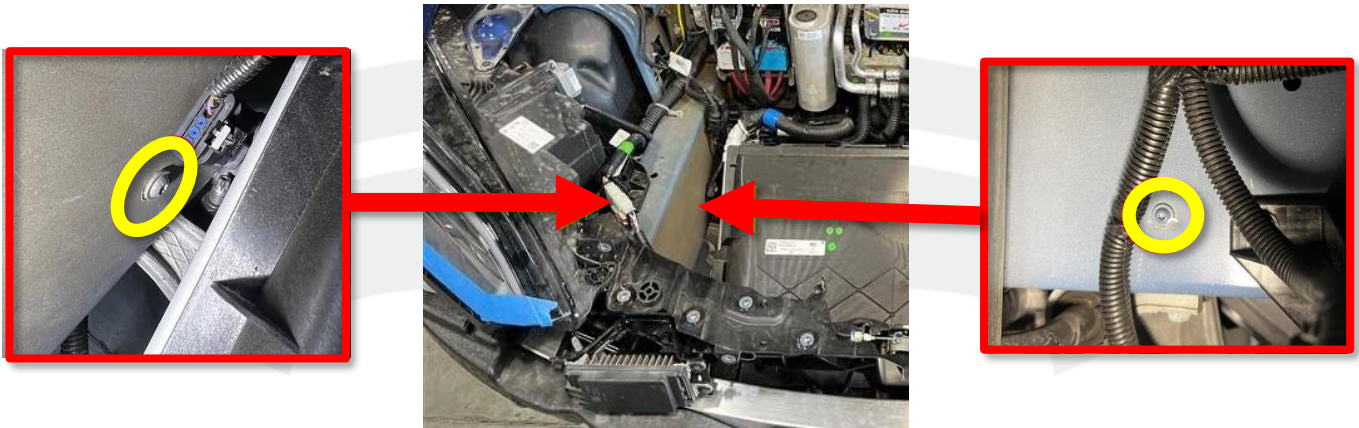


Figure 1 – Bolt locations, RH front frame rail

3. Mark the bolts with a paint marker after they are tightened.
4. Repeat step 2 on the LH front frame rail (Figure 2).

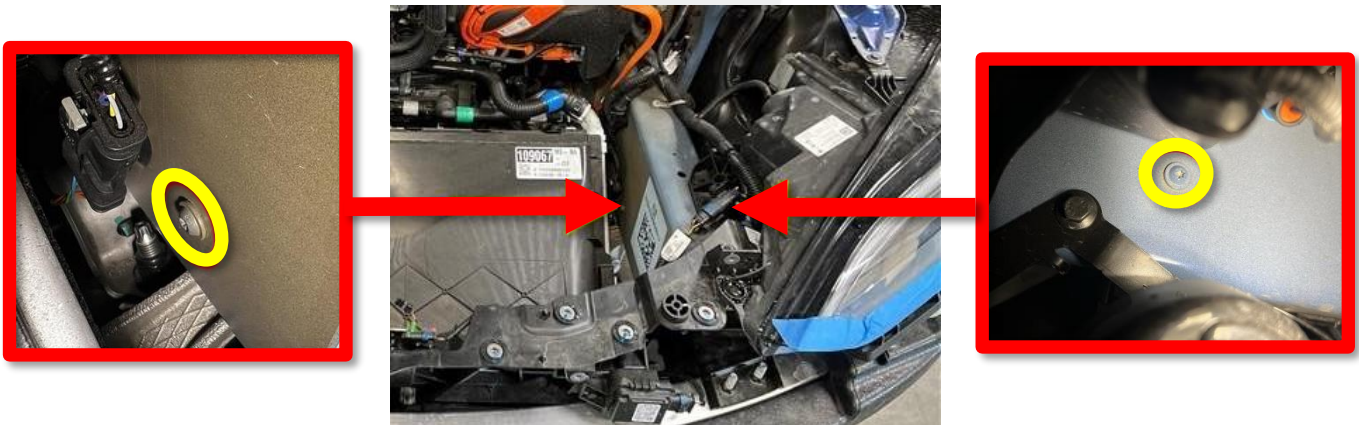


Figure 2 – Bolt locations, LH front frame rail

5. Mark the bolts with a paint marker after they are tightened.
6. Install the cooling fan module (refer to Service Manual procedure 18201312; [Model S](#), [Model X](#)).