



**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
<b>Special Tools</b>	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](#).

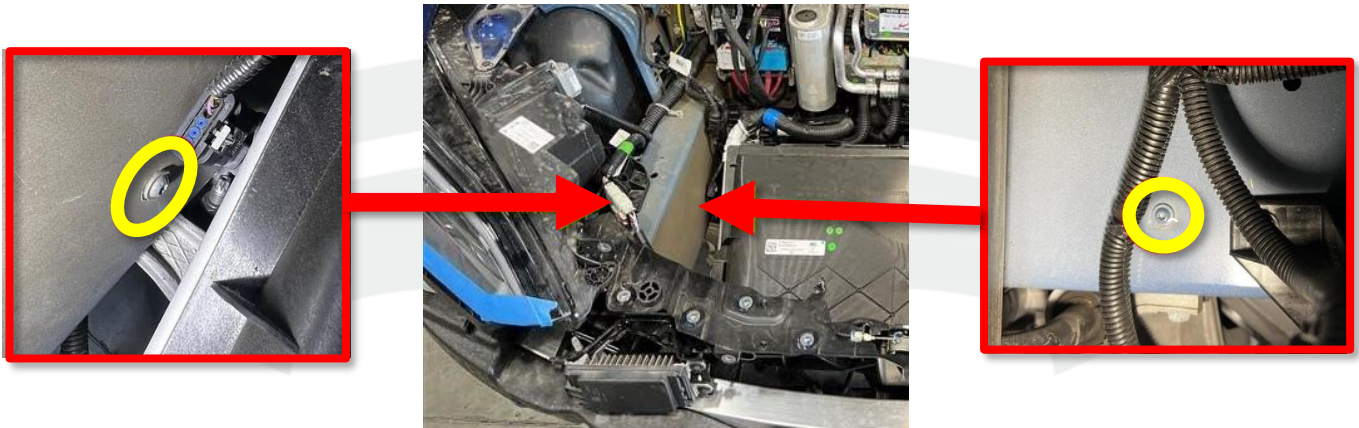
**Shop Supplies** Paint Pen Marker

## Procedure

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

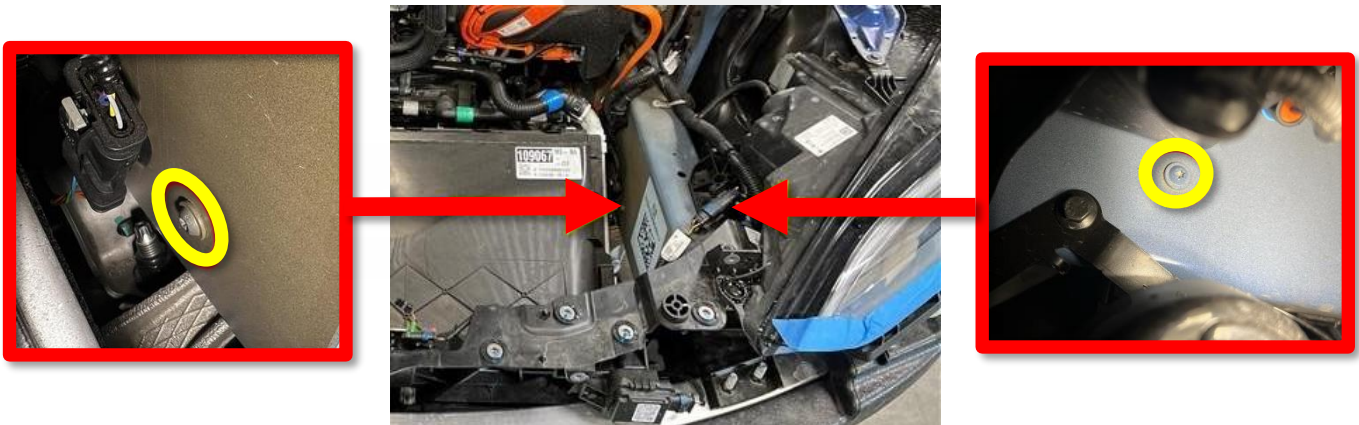
**NOTE:** Remove the cooling fan module from the vehicle with the active grille shutter still attached as a complete assembly. Do not separate the active grille shutter from the cooling fan module after removing the assembly.

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](#)).