 Tesla, Inc. Service Bulletin		<h1 style="margin: 0;">Inspect Brake Caliper Bolts</h1>	
SB-21-33-002 May 27, 2021			
Classification		Section/Group	Mobile Service
Recall Bulletin		33 - Brakes	Can Perform (where permitted)
Model Year	Model	Country/Region	Version
2017 - 2021	Model 3, Model Y	All	All
<small>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.</small>			

Recall Bulletin: Recall Bulletins are mandatory service procedures that must be carried out by Tesla-certified Service Centers. Recall work performed by uncertified technicians could lead to unsafe conditions or voided warranty provisions.

Condition

On certain Model 3 and Model Y vehicles, the brake caliper bolts may not be torqued to internal specifications.

Correction

Inspect and confirm that all brake caliper bolts are torqued to internal specifications.

Correction Description	Correction	Time
Install Or Retorque Caliper Bolt(s)	S012133002	0.50


Part Number	Description	Quantity
Parts Required		
1088969-00-B	Model 3: BOLT,TE,M12x45,STL[109],ZNFL[BLCK]	1–8
1088968-00-B	Model Y: BOLT,TE,M12x45,STL[109],ZNFL[BLCK]	1–8
<small>This part number was current at the time of publication. Use the revisions listed or later, unless otherwise specified in the Parts Catalog.</small>		
Special Tools		
1054716-01-A	For Mobile Service FLOOR JACK, OTC TOOLS, 2 TON, ALUMINUM	
1054717-01-B	JACK STAND, JACKPOINT (SET OF 2)	
1139975-00-A	WHEEL CHOCK, EXTRUDED, WHOLE	

Procedure (Mobile Service)

 **NOTE:** This procedure was designed for correction via Mobile Service. If the vehicle is at the Service Center, skip to the “Procedure (Service Center)” section.

- Loosen the LH front and LH rear wheel lug nuts.
- Place the LH front and LH rear corners of the vehicle on jack stands (refer to Service Manual procedure 10000605; [Model 3](#), [Model Y](#)).
- Remove the LH front and LH rear wheels (refer to Service Manual procedure 34015001; [Model 3](#), [Model Y](#)).

4. At the LH front corner of the vehicle, inspect the following components for damage. Note any damage found in the “Internal Notes” field of the Service Activity.

 **NOTE:** If using Warp Service, note damage in the “Cause Narrative” field of the Repair Order (RO).

- a. Wheel
- b. Knuckle
- c. Brake shield, caliper, and rotor
- d. Brake hoses and brake lines near the brake caliper
- e. Electronic parking brake housing and harness (rear corners)

5. Inspect the LH front brake caliper mounting bolts (Figure 1).

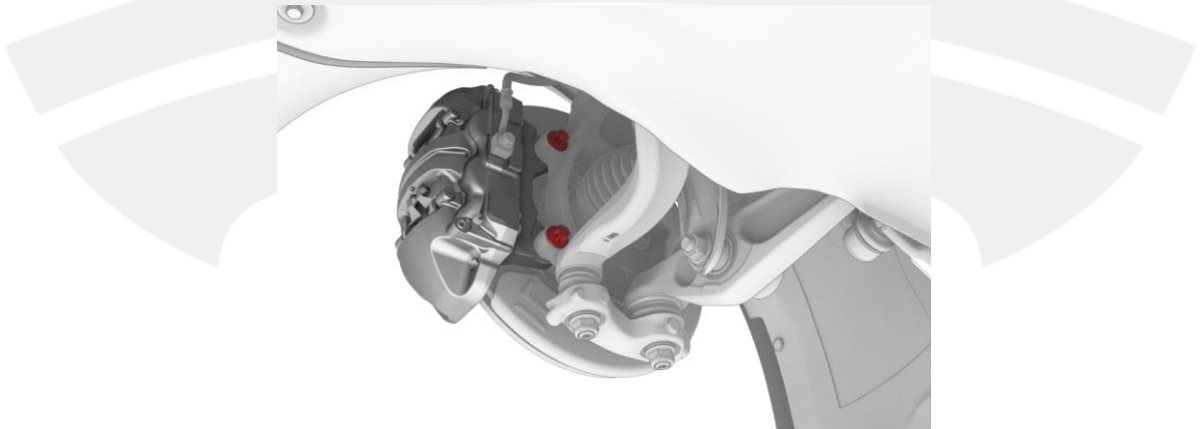




Figure 1 – Front caliper shown; rear caliper similar

- a. If a bolt appears to be properly torqued, retorque the bolt (torque 94 Nm) and take note in the “Internal Notes” field of the Service Activity.

 **NOTE:** If using Warp Service, note damage in the “Cause Narrative” field of the Repair Order (RO).


- b. If a bolt does not appear to be torqued to specification, remove the bolt, and then inspect the caliper threaded bore and the knuckle bolt hole.
 - i. If no damage is found on these components, install a new bolt (torque 94 Nm) and take note in the “Internal Notes” field of the Service Activity.
 - ii. If damage is found on these components, take note in the “Internal Notes” field of the Service Activity, and then skip to the next step. Do not replace any components.

 **NOTE:** If using Warp Service, note damage in the “Cause Narrative” field of the Repair Order (RO).

6. Repeat steps 4–5 on the LH rear corner of the vehicle (rear brake caliper mounting bolt torque 83 Nm).
7. Install the LH front and rear wheels (refer to Service Manual procedure 34015001; [Model 3](#), [Model Y](#)).
8. Repeat steps 1–7 on the RH side of the vehicle.
9. If damage to any parts was noted, create and escalate a [Toolbox](#) session to Zone, and then arrange for the vehicle to be towed to the Service Center.

Procedure (Service Center)

1. Loosen the lug nuts on all 4 wheels.
2. Raise and support the vehicle on a 2 post lift (refer to Service Manual procedure 10000205; [Model 3](#), [Model Y](#)).
3. Remove all 4 wheels (refer to Service Manual procedure 34015001; [Model 3](#), [Model Y](#)).
4. At the LH front corner of the vehicle, inspect the following components for damage. Note any damage found in the “Internal Notes” field of the Service Activity.

 **NOTE:** If using Warp Service, note damage in the “Cause Narrative” field of the Repair Order (RO).

- a. Wheel
 - b. Knuckle
 - c. Brake shield, caliper, and rotor
 - d. Brake hoses and brake lines near the brake caliper
 - e. Electronic parking brake housing and harness (rear corners)
5. Inspect the LH front brake caliper mounting bolts (Figure 2).

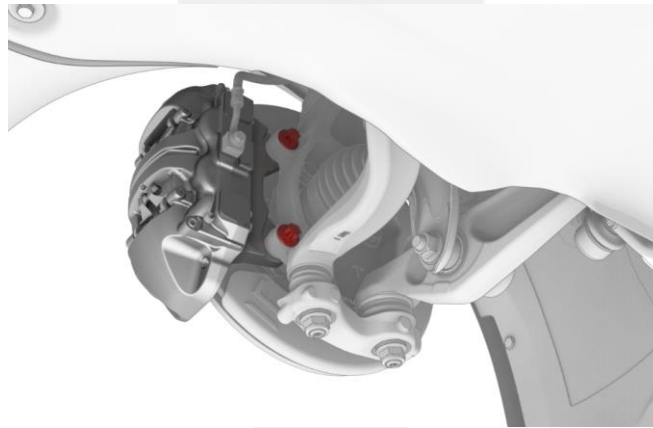



Figure 2 – Front caliper shown; rear caliper similar

- a. If a bolt appears to be properly torqued, retorque the bolt (torque 94 Nm) and take note in the “Internal Notes” field of the Service Activity.

 **NOTE:** If using Warp Service, note damage in the “Cause Narrative” field of the Repair Order (RO).

- b. If a bolt does not appear to be torqued to specification, remove the bolt, and then inspect the caliper threaded bore and the knuckle bolt hole.
 - i. If no damage is found on these components, install a new bolt (torque 94 Nm) and take note in the “Internal Notes” field of the Service Activity.
 - ii. If damage is found on these components, take note in the “Internal Notes” field of the Service Activity, and then skip to the next step. Do not replace any components.

 **NOTE:** If using Warp Service, note damage in the “Cause Narrative” field of the Repair Order (RO).

6. Repeat steps 4–5 on all other corners of the vehicle.
 - Front brake caliper mounting bolt torque 94 Nm
 - Rear brake caliper mounting bolt torque 83 Nm

7. If damage to any parts was noted, create and escalate a [Toolbox](#) session to Zone. Service Engineering will provide case-by-case repair instructions.
8. Install all 4 wheels when repairs (if any) are complete (refer to Service Manual procedure 34015001; [Model 3](#), [Model Y](#)).

