 Tesla, Inc. Service Bulletin		<i>Inspect Brake Caliper Bolts</i>	
SB-20-33-001 April 21, 2020			
Classification		Section/Group	Mobile Service
Campaign Bulletin		33 - Brakes	Can Perform (where permitted)
Model Year	Model	Country/Region	Version
2020	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>			

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

On some Model 3 and Model Y vehicles, the brake caliper bolts may not have been torqued to internal specifications.


Correction

Inspect all brake caliper bolts and retorque to internal specifications.

Correction Description	Correction	Time
SB-20-33-001 Not Applicable	S012033001	0.00
Install Or Retorque Caliper Bolt(s)	S022033001	0.50

	Part Number	Description	Quantity
If Necessary	1088968-00-B	BOLT,TE,M12x45,STL[109],ZNFL[BLCK]	1-8
	This part number was current at the time of publication. Use the revisions listed or later, unless otherwise specified in the Parts Catalog .		
Special Tools		For Mobile Service	
	1054716-01-A	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.

1. Loosen the LH front and LH rear wheel lug nuts.
2. Place the LH front and LH rear corners of the vehicle on jack stands (refer to Service Manual procedure 10000605).
3. Remove the LH front and LH rear wheels (refer to service manual procedure 34015001).
4. At the LH front corner of the vehicle, inspect the following components for damage. Note any damage found in the “Cause Narrative” field of the Repair Order (RO).
 - Wheel
 - Knuckle
 - Brake shield, caliper, and rotor
 - Brake hoses and brake lines near the brake caliper
 - Electronic parking brake housing and harness (rear corners)
5. Inspect the LH front brake caliper mounting bolts (Figure 1).

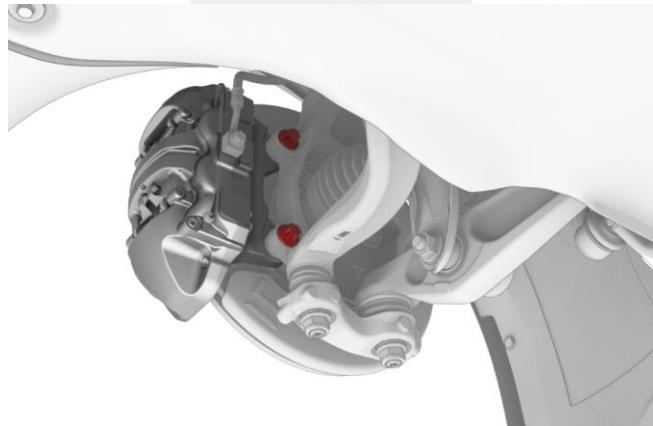


Figure 1 – Front caliper shown; rear caliper similar

- If a bolt appears to be properly torqued, retorque the bolt (torque 94 Nm) and take note in the “Cause Narrative” field of the Repair Order (RO).
 - If a bolt does not appear to be torqued to specification, remove the bolt and inspect the bolt, caliper threaded bore, and knuckle bolt hole.
 - If no damage is found on these components, reinstall the bolt (torque 94 Nm) and take note in the “Cause Narrative” field of the Repair Order (RO).
 - If damage is found on these components, take note in the “Cause Narrative” field of the Repair Order (RO), and then skip to the next step. Do not replace any components.
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).
 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, 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).
3. Remove all 4 wheels (refer to service manual procedure 34015001).
4. At the LH front corner of the vehicle, inspect the following components for damage. Note any damage found in the "Cause Narrative" field of the Repair Order (RO).
 - Wheel
 - Knuckle
 - Brake shield, caliper, and rotor
 - Brake hoses and brake lines near the brake caliper
 - Electronic parking brake housing and harness (rear corners)
5. Inspect the LH front brake caliper mounting bolts (Figure 2).

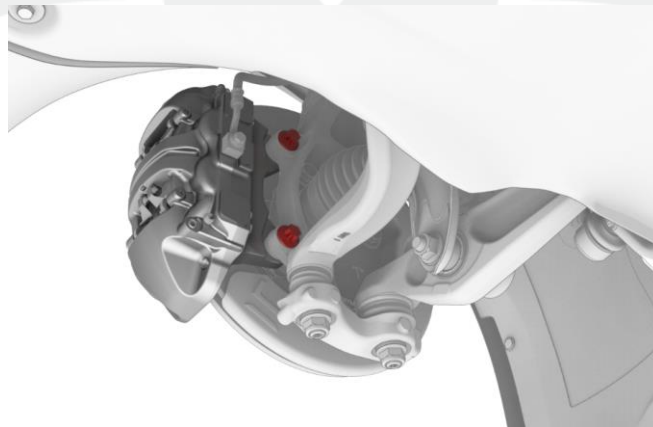


Figure 2 – Front caliper shown; rear caliper similar

- If a bolt appears to be properly torqued, retorque the bolt (torque 94 Nm) and take note in the "Cause Narrative" field of the Repair Order (RO).
 - If a bolt does not appear to be torqued to specification, remove the bolt and inspect the bolt, caliper threaded bore, and knuckle bolt hole.
 - If no damage is found on these components, reinstall the bolt (torque 94 Nm) and take note in the "Cause Narrative" field of the Repair Order (RO).
 - If damage is found on these components, take note in the "Cause Narrative" field of the Repair Order (RO), and then skip to the next step. Do not replace any components.
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. 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).