



Tesla, Inc.
Service Bulletin

Replace Hubs, Rotors, and Lug Nuts

SB-26-33-003
April 28, 2026

Classification		Section/Group	Mobile Service	Configuration
Recall Bulletin		33 - Brakes	Cannot Perform	RWD
Model	Model Year	Country/Region	Build Location	
Cybertruck	2024–2026	United States	Giga Texas	

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.


Recall Bulletin: Recall Bulletins are mandatory service procedures that, unless they can be completed via a software update that a customer installs through the normal course of ownership, 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 Cybertruck vehicles manufactured or serviced with 18-inch steel wheels, higher severity road perturbations and cornering may lead to strain at the stud hole in the rotor resulting in the initiation of cracks. Continued use and strain can lead to crack propagation which may eventually cause the wheel stud to separate from the wheel hub.

Correction

Replace all 4 suspension hubs, all 4 brake rotors, and all 24 lug nuts with updated parts. Then, run a Double Pedal Torque Test to confirm the hub and halfshaft facespline teeth are properly seated.

 **NOTE:** If this bulletin is applicable to the vehicle, perform the correction without any need for inspection.

Correction Description	Correction	Time
Replace Hubs, Rotors, and Lug Nuts	S012633003	2.10

	Part Number	Description	Quantity
Parts Required	1250121-00-B	NON-DRIVEN HUB, 6X139.7MM PCD, 180MM FLANGE	2
	1250171-00-F	DRIVEN HUB - 6X139.7MM PCD - 180MM FLANGE	2
	1250611-00-B	FRONT BRAKE ROTOR	2
	1250631-00-B	REAR BRAKE ROTOR - BASE	2
	2223453-00-A	LUG NUT M14x1.5	24
	2009788-00-A	BOLT - M16-1.5x80	4

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

Procedure

1. On the vehicle touchscreen, touch **Controls (vehicle icon) > Software**, and then scroll down to display the vehicle software version.
 - If the vehicle software version is Self-Driving (Supervised) 14.2.1.25 or later, or 2025.44.3 or later, continue to the next step.
 - If the vehicle software version is Self-Driving (Supervised) earlier than 14.2.1.25, or earlier than 2025.44.3, update to version Self-Driving (Supervised) 14.2.1.25 or later, or 2025.44.3 or later, and then continue to the next step (refer to Service Manual procedure [00020003](#)).
2. Position the vehicle on a 2-post lift (refer to Service Manual [procedure](#)).
3. Remove all 4 wheels (refer to Service Manual procedure [Wheel Assembly](#)).
4. Replace all 4 suspension hubs, all 4 brake rotors, and all 24 lug nuts with updated parts. Refer to the Service Manual procedures below.
 - ⚠ CAUTION:** The Service Manual procedures to remove and replace the suspension hubs will also remove the brake rotors and lug nuts. Make sure to replace all 4 brake rotors and all 24 lug nuts with the updated parts listed in this document while replacing all 4 hubs.
 - ⚠ CAUTION:** The following Service Manual procedures require removal of all 4 halfshaft bolts. Halfshaft bolts are single-use and must be replaced if removed.
 - [LH and RH front suspension hubs, brake rotors, and lug nuts](#)
 - [LH and RH rear suspension hubs, brake rotors, and lug nuts](#)
5. Drive the vehicle to an empty area of the parking lot with at least 25 feet of empty space in front of and behind the vehicle.
 - ⚠ WARNING:** The following routine builds high motor torque at a standstill. DO NOT perform the following steps indoors or without adequate space in front of or behind the vehicle in case of sudden vehicle movement during the routine.
6. Connect a laptop with Toolbox 3 to the vehicle (refer to Service Manual procedure [Toolbox 3 \(Connect and Disconnect\)](#)).
 - ⚠ WARNING:** Make sure the laptop is in a safe location in the vehicle in case of sudden vehicle movement during the routine.
7. In Toolbox, click the **Actions/Autodiag** tab, type “double” into the search field, click **Double Pedal Torque Check**, and then read through the instructions before starting the routine.
 - ⚠ WARNING:** Make sure to carefully read and understand the instructions before performing this routine.
8. When ready to perform the test, click **Run**, and perform the test as instructed in the routine.
 - ⚠ WARNING:** This routine builds high motor torque at a standstill. DO NOT perform this test indoors or without adequate space in front of or behind the vehicle in case of sudden vehicle movement during the routine.
 - 📄 NOTE:** Do not change the routine torque cycle and timeout fields.
 - 📄 NOTE:** During the routine, the vehicle will “squat” under torque load. Torque will be removed once the accelerator pedal is released. The vehicle should not move forward or rearward during this routine.
9. If the test is successful and no axle grinding noise is heard, continue to the next step.
10. If the test fails but no axle grinding noise is heard, rerun the routine.

11. If the test fails and an axle grinding noise is heard, perform the following:
- a. Replace the hub, halfshaft, and halfshaft bolt on the impacted axle (refer to 1 or more of the following Service Manual procedures):
 - Hub procedures:
 - [LH and/or RH Front Hub \(Remove and Replace\)](#)
 - [LH and/or RH Rear Hub \(Remove and Replace\)](#)
 - Halfshaft procedures:
 - [LH or RH Front Halfshaft \(Remove and Replace\)](#)
 - [LH and RH Front Halfshafts \(Remove and Replace\)](#)
 - [LH or RH Rear Halfshaft \(Remove and Replace\)](#)
 - [LH and RH Rear Halfshafts \(Remove and Replace\)](#)
 - b. Once the impacted hub(s), halfshaft(s) and halfshaft bolt(s) have been replaced, repeat steps 4–10 to rerun the Double Pedal Torque Check routine.
12. Disconnect Toolbox and remove the laptop from the vehicle (refer to Service Manual procedure [Toolbox 3 \(Connect and Disconnect\)](#)).
13. In another Service Activity, apply the appropriate Service Manual procedure Correction Code(s) the hubs and halfshafts replaced, if any.