



Tesla, Inc.
Service Bulletin

Inspect RH Front Wheel Speed Sensor

SB-24-33-006

November 6, 2024

R1

Classification		Section/Group	Mobile Service	Configuration
Campaign Bulletin		33 - Brakes	Can Perform (where permitted)	Performance
Model	Model Year	Country/Region	Build Location	
Model 3	2024+	North America, Taiwan	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.

Campaign Bulletin: This campaign bulletin addresses a non-safety-related condition and provides recommended technical diagnosis and repair procedures. Apply this procedure to the applicable vehicles.

This Service Document supersedes SB-24-32-004 R1, dated October 31, 2024. This new revision, R1, adds Taiwan to the Country/Region field. Each content change is marked by a vertical line in the left margin. Discard the previous version and replace it with this one.

Condition

On some Model 3 vehicles, the RH front Wheel Speed Sensor (WSS) might have been misrouted, which may cause damage to the WSS harness.

Correction

Inspect the vehicle for symptoms related to the condition. If symptoms are present, replace the RH front WSS.

Correction Description	Correction	Time
SB-24-33-006 Not Applicable	S012433006	0.00
Inspect RH Front Wheel Speed Sensor; No Repair Needed	S022433006	0.06
Inspect RH Front Wheel Speed Sensor; Resecure Harness Clips	S032433006	0.06
Inspect And Replace RH Front Wheel Speed Sensor	S042433006	0.24

Part Number	Description	Quantity
Parts Required —	—	—
If Necessary 1344764-00-D	WHEEL SPEED SENSOR, FR, RH - PERFORMANCE	1

This part number was current at the time of publication. Use the revision listed or later, unless otherwise specified in the [Parts Catalog](#).

Procedure

1. Remove the RH front wheel assembly (refer to Service Manual procedure [34015001](#)).
2. Inspect the RH front WSS harness for indications of damage (Figure 1, yellow; and Figures 2–3).



Figure 1 – RH front WSS harness; No damage present



Figure 2 – RH front WSS harness; Damage present Figure 3 – RH front WSS harness; Damage present

- If damage on the RH front WSS harness is present, skip to step 5.
- If damage on the RH front WSS harness is not present, continue to the next step.

3. Inspect the RH front WSS harness clips (x3) for proper installation (Figures 4 and 5).

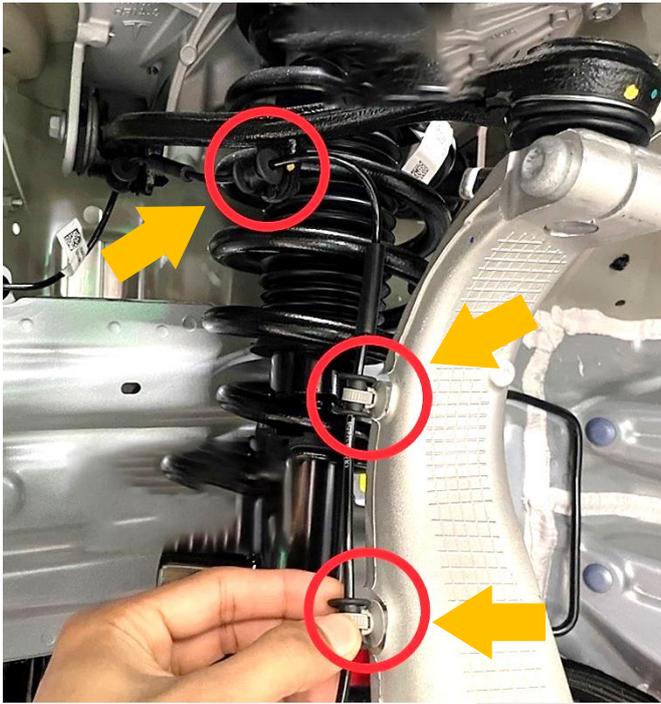


Figure 4 – RH front WSS harness clips installed correctly

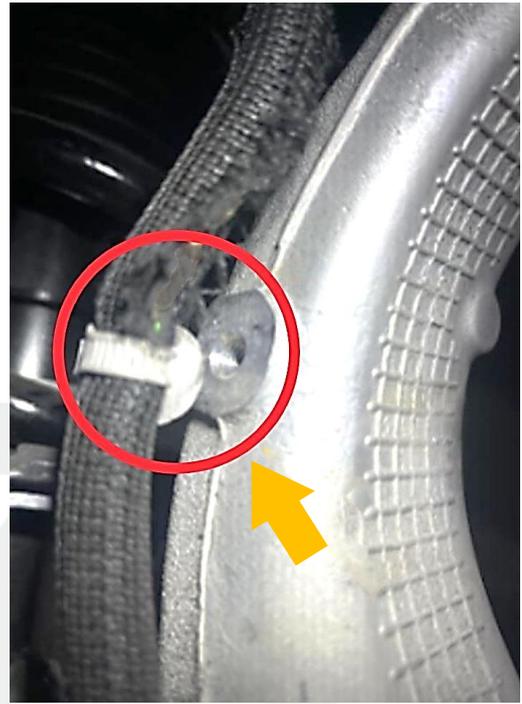


Figure 5 – RH front WSS harness clip not installed correctly

- If the RH front WSS harness clips (x3) are installed correctly, skip to step 6.
 - If the RH front WSS harness clips (x3) are not installed correctly, continue to the next step.
4. Fasten the clips (x3) that attach the RH front WSS harness to the RH front upper control arm and the RH front knuckle (Figure 4), and then skip to step 6.
 - ⚠ **CAUTION:** Ensure the harness is routed correctly to avoid contact with moving suspension components.
 - ⚠ **CAUTION:** Perform a push-pull check on each clip to make sure they are fully attached to the upper control arm and knuckle.
 5. Replace the RH front WSS (refer to Service Manual procedure [3310030002](#)).
 6. Install the RH front wheel assembly (refer to Service Manual procedure [34015001](#)).
 7. Close out this document using the appropriate correction code based on the repair(s) performed.