

Model: Model S

Vehicle System: 33 - Brakes

Region: All

## Tech Note: Avoiding Damage to the Electric Parking Brake

Tech Notes are announcements that help to communicate and track new information about Tesla Service concerns. Such concerns may or may not be VIN specific. These instructions assume knowledge of motor vehicle and high voltage electricity repairs, and should only be executed by trained professionals. Tesla Motors assumes no liability for injury or property damage due to a failure to properly follow these instructions or for repairs attempted by unqualified individuals.

### What the Technician Sees

The inboard side of the electric parking brake (EPB) caliper is very close to the lower mounting bolt for the rear spring/damper assembly. If a mallet and punch are used to remove the bolt, it is easy for the bolt to contact the parking brake caliper and crack the electrical connector receptacle or inboard cover (Figure 1).

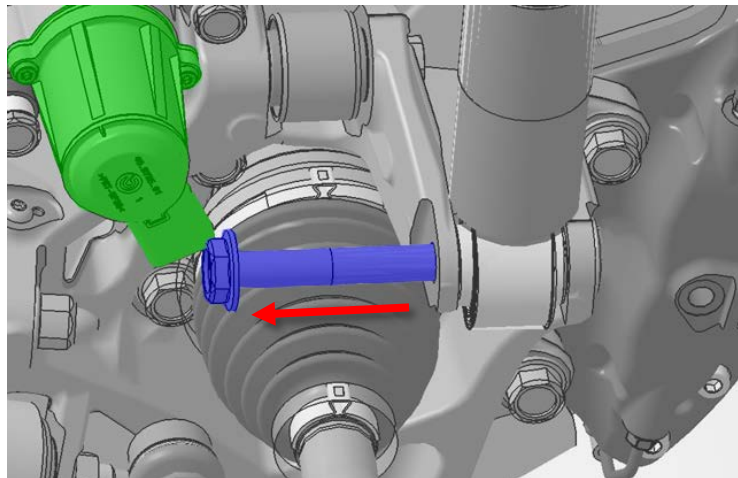


Figure 1

Additionally, the EPB caliper inboard covers can be damaged if the calipers are in place when the rear subframe assembly is installed on the vehicle.

Undetected caliper damage can lead to water ingress, intermittent electrical connections, and electronic parking brake faults (Figures 2 and 3).



Figure 2 (Cracked cap)



Figure 3 (Dislodged cap)

## Suggested Immediate Fixes

Remove the electric parking brake caliper before removing the lower rear spring/damper bolt during service of the drive unit, rear subframe, or rear suspension. Use new parking brake caliper bolts when reinstalling the caliper. Do not reuse the old bolts.

During rear subframe or drive unit replacement, do not reinstall the parking brake calipers until after the subframe is secured to the vehicle.

The affected Service Manual procedures include removal of the subframe assembly (Service Manual procedure 30010201) and replacement of the spring/damper assembly (Service Manual procedures 31035202 and 31152002). These Service Manual procedures have been updated to include parking brake caliper removal.

Before beginning work, use the touchscreen to place the vehicle into Tow Mode to disengage the parking brake.

 **WARNING:** The vehicle is in Neutral and is free-rolling once Tow Mode is selected.

Visually inspect each parking brake inboard cover and electrical connector for cracks when performing service in these areas.

*For feedback on the accuracy of this document, email [ServiceBulletinFeedback@teslamotors.com](mailto:ServiceBulletinFeedback@teslamotors.com).*