



# Repair Model S Windshield Wiper Motor Bracket

**Classification** Repair Bulletin      **Section/Group** 10 - Body      **Country/Region** All

**Year** All      **Model** Model S      **Version** All

**Bulletin Classification:** *This repair bulletin provides instructions and guidelines for a noted condition or a customer concern. The information provided can address a broad range of known or perceived issues with the operation of Tesla vehicles. This bulletin might not be VIN-specific. These instructions assume knowledge of motor vehicle and high voltage electrical component repairs, and should only be executed by trained professionals. Tesla assumes no liability for injury or property damage due to a failure to properly follow these instructions or repairs attempted by unqualified individuals.*

*This Service Bulletin supersedes SB-17-10-006, dated 16-Nov-17. 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 Model S, the windshield wiper motor bracket might become loose, resulting in a popping or clicking noise during windshield wiper operation.

## Correction

Upon customer complaint of noise during windshield wiper operation, inspect the windshield wiper motor bracket. If the bracket is loose, install 3 bulb rivets to firmly reattach the windshield wiper motor bracket to the vehicle.

Correction Description	Correction	Time
Inspection Only; Windshield Wiper Motor Bracket Repair Not Required	S011710006	0.25
Reattach the Windshield Wiper Motor Bracket With Rivets	S021710006	0.40

Required Part(s):	Part Number	Description	Quantity
	1063943-00-A	BULB RIVET 6.5MM, 2.0–4.5MM	3

These part numbers were current at the time of publication. Use the revisions listed or later, unless otherwise specified in the Parts Manual.

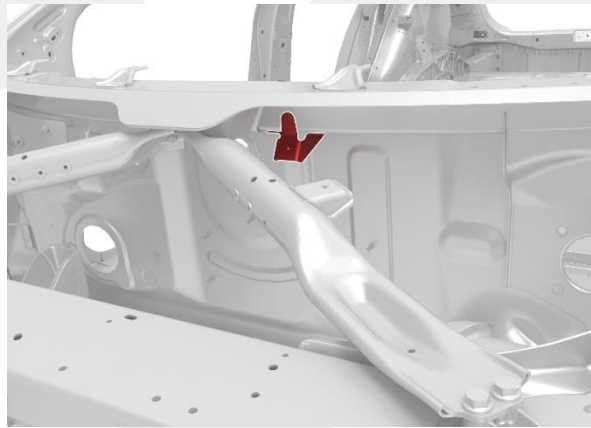
All bulb rivets come in packages of 10; order bulb rivets in multiples of 10.

<b>Special Tool(s):</b>	1086947-00-A	TOOL, 90 DEGREE PNEUMATIC DRILL
	1453273-00-A	AIR RIVET GUN

**⚠ WARNING:** Wear the appropriate personal protective equipment (PPE) when performing this procedure.

## Procedure

1. Remove the front underhood apron (refer to Service Manual procedure 12251002).
2. Remove the rear underhood apron (refer to Service Manual procedure 12251102).
3. Remove the wiper motor assembly (refer to Service Manual procedure 17500102).
4. Pull the windshield wiper motor bracket in all directions:
  - If the bracket is firmly attached to the vehicle, discontinue this procedure and reinstall any component that was removed for access.
  - If the bracket is loose, continue to the next step.



**Figure 1 (Windshield wiper motor bracket location)**

5. Use a 90 degree pneumatic drill with a 6.7 mm (17/64 in) drill bit to drill completely through a spot weld (Figure 2).



**Figure 2 (Spot weld locations)**

6. Use an air rivet gun to install a bulb rivet into the hole that was drilled in the previous step.

**NOTE:** Make sure that the hole does not have any metal shavings before installing the bulb rivet.

7. Repeat steps 5 and 6 on the remaining spot welds.
8. Verify that the windshield wiper motor bracket is firmly attached to the vehicle.
9. Install all components that were removed for access.
10. Perform a functional check of the windshield wipers.

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**Affected VIN(s)** All Model S.

**NOTE:** This is a simplified summary 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.

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