



# Reduce Clicking Noise From Lower Windshield And Dash Area

<b>Classification</b>	Repair Bulletin	<b>Section/Group</b>	45 - Noise, Vibration & Harshness	<b>Country/Region</b>	All
<b>Year</b>	All	<b>Model</b>	Model S	<b>Version</b>	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.

## Condition

On some Model S vehicles, the shock tower brace mounting reinforcement (“reinforcement”) might loosen with time, causing an unwanted clicking noise when the vehicle drives over uneven surfaces.

## Correction

If diagnosis confirms that the noise is coming from the lower windshield and dash area where the reinforcement attaches to the cowl plenum, install rivets to attach the reinforcement to the cowl plenum.

Correction Description	Correction	Time
Inspection Only; Reinforcement Repair Not Required	S011845003	0.15
Install Rivets To Attach The Reinforcement To The Cowl Plenum	S021845003	0.45

Required Part(s):	Part Number	Description	Quantity
	1063943-00-A	BULB RIVET 6.5MM, 2.0–4.5MM	2

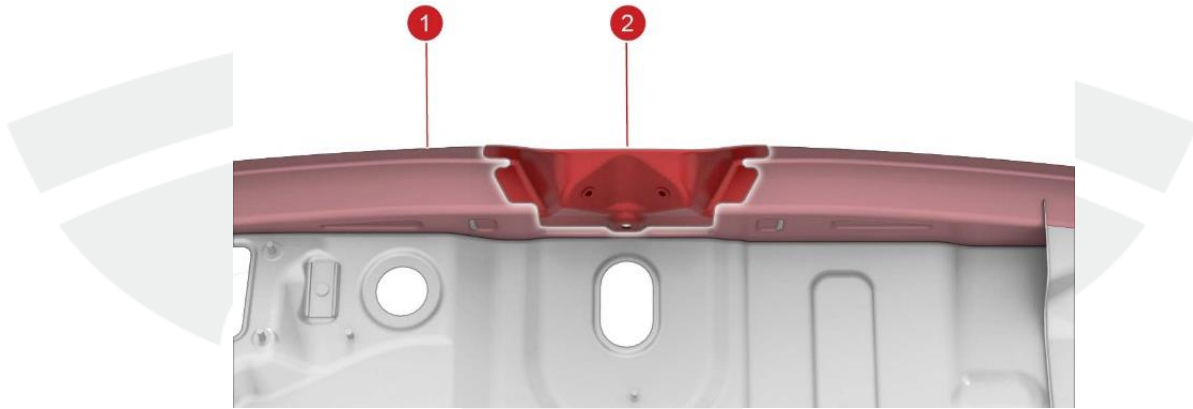
This part numbers was current at the time of publication. Use the revision listed or later, unless otherwise specified in the Parts Manual.

Special Tool(s):	Part Number	Description
	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. Perform a road test to check for cabin noise coming from lower windshield and dash area where the reinforcement (Figure 1, Item 2) attaches to the cowl plenum (Figure 1, Item 1):
  - If there is noise, continue to the next step.
  - If noise is not heard, discontinue this procedure and perform additional diagnosis.



**Figure 1**

1. Cowl plenum
2. Shock tower brace mounting reinforcement

2. Remove the LH and RH shock tower braces (Refer to Service Manual procedure 10102002).
3. Use a 90 degree pneumatic drill with a 6.7 mm (17/64 in) drill bit to drill completely through the spot weld that attaches the reinforcement to the cowl plenum (Figure 2) on the LH side.



**Figure 2**

4. 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.

5. Repeat steps 3 and 4 on the RH side.

6. Install the LH and RH shock tower braces.

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

**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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