



Check HVJB Lid Insulator

Classification	Campaign Bulletin	Section/Group	44 - High Voltage System	Country/Region	All
Year	2014	Model	Model S	Version	All

Bulletin Classification: *This campaign bulletin addresses a known non-safety-related condition and provides recommended technical diagnosis and repair procedures. Apply this procedure to all vehicles in the affected VIN range listed. 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 repairs attempted by unqualified individuals.*

This Service Bulletin supersedes SB-14-44-004, dated 13-May-14. Each content change is marked by a vertical line in the left margin. Discard the previous version and replace it with this one.

Condition

An insulator on the high voltage junction box (HVJB) lid might have come loose during the manufacturing process. A missing insulator could lead to a no-start condition or a “Car Needs Service: Pull Over Safely” message on the instrument panel.

Correction

Inspect the HVJB lid for the presence of an insulator. Replace the lid or add polyimide adhesive tape to the insulator, as necessary.

Required Part(s):	Part Number	Description	Quantity
	1005348-00-A	TAPE,FILM POLYIMIDE W/SILICN,1IN,.0025IN (one roll of tape is enough for approximately 200 vehicles)	As required

North American vehicles only:

1018396-00-B	SCR,M5-0.8X35,HEX HD,8.8,ST,ZN,PATCH	1
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One of the following (if required):

1033020-10-A	ASY,LID,GEN2 HVJB,EU (Europe and APAC)	1
1033020-12-A	ASY,LID,GEN2 HVJB,NA (North America)	1

Correction Description	Correction	Time
Vehicle Inspection Only; HVJB Lid Insulator Not Required	S011444004	0.7
(Obsolete code; do not use)	S021444004	—
Add Tape to Plastic HVJB Lid Insulator	S031444004	0.8
Replace HVJB Lid; Plastic Insulator Missing	S041444004	0.8

Procedure

⚠ WARNING: Only technicians who have been trained in High Voltage Awareness are permitted to perform this procedure. Proper personal protective equipment (PPE) and insulating HV gloves with a minimum rating of class 00 (500V) must be worn any time a high voltage cable is handled. Refer to service bulletin SB-13-92-003, “High Voltage Awareness Care Points”, for additional safety information.

1. Remove the HVJB lid (refer to Service Manual procedure 44301002).

NOTE: The High Voltage Junction Box does not need to be removed from the vehicle; remove the lid only.

2. Inspect the bottom of the HVJB lid.
3. If orange polyimide tape is attached to the surface of the lid (Figure 1), no further work is necessary. Skip to step 7.

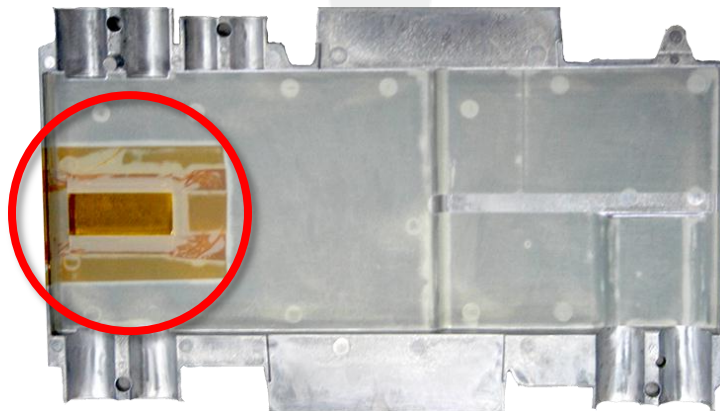


Figure 1

4. If there is no polyimide tape, check whether an orange plastic insulator is attached to the lid (Figure 2).



Figure 2

5. If there is no orange insulator, replace the lid with a new part. If there is an orange insulator, continue to the next step.

⚠ CAUTION: On North American specification vehicles, install a new HVIL activation screw when installing the lid. Do not reuse the existing HVIL activation screw.

6. Apply polyimide tape to secure the insulator to the lid (Figure 3). The tape should be at least 110 mm (5 in) long.

NOTE: Ensure that the tape adheres to the depression in the insulator (Figure 4).

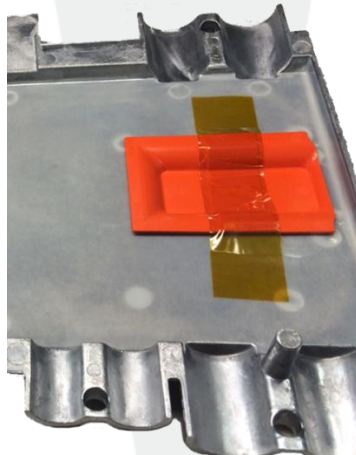
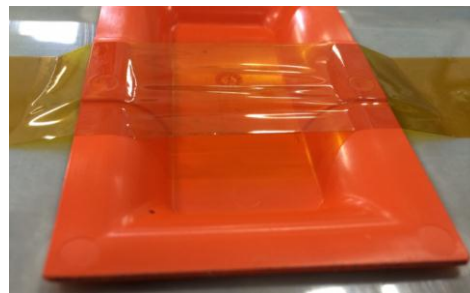


Figure 3



✓ Figure 4 (Tape fully seated on insulator)



✗ Figure 5 (Tape not fully seated)

7. Reinstall the lid (refer to the Installation section of Service Manual procedure 44301002).

⚠ CAUTION: On North American specification vehicles, install a new HVIL activation screw when installing the lid. Do not reuse the existing HVIL activation screw.

Affected VIN(s) Affected Model S built between approximately April 14, 2014 and May 1, 2014.

NOTE: This is a simplified summary of the affected VIN list. Refer to the VIN/Bulletin Tracker or Customer/Vehicle Profile application to determine applicability of this bulletin for a particular vehicle.

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