		<b>Tesla, Inc.</b> Service Bulletin		<b><i>Inspect Hood Latch Actuator Connector for Swapped Electrical Wires</i></b>
<b>SB-20-17-006</b> June 5, 2020				
<b>Classification</b>		<b>Section/Group</b>		
Repair Bulletin		17 - Electrical		<b>Mobile Service</b>
				Can Perform (where permitted)
<b>Model Year</b>	<b>Model</b>	<b>Country/Region</b>		<b>Version</b>
2020	Model Y	United States		All
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.				

Repair Bulletin: This repair bulletin provides instructions on addressing a noted condition or possible customer concern regarding the operation of Tesla vehicles. These instructions should only be performed by trained professionals.

## Condition

On certain Model Y vehicles, the hood latch actuator connector wires are installed in the incorrect position, causing the hood latch to open upon vehicle wake up; this will prompt a driver alert and prevent the vehicle from switching into drive mode until the hood latch is closed.

## Correction

Inspect the vehicle for symptoms related to the condition. If symptoms are present, reposition the wires in the hood latch actuator electrical connector.

Correction Description	Correction	Time
SB-20-17-006 Not Applicable	S012017006	0.00
Inspect Hood Latch Actuator Connector Wires; No Repair Needed	S022017006	0.05
Inspect Hood Latch Actuator Connector Wires; Reposition Wires	S032017006	0.15

	Part Number	Description
<b>Special Tools</b>	1025812-00-A	Pin Drag Kit, MDLS
<b>Shop Supplies</b>	Electrical Tape	

## Procedure

1. Disconnect 12V power (refer to Service Manual procedure [17010200](#)).
2. Remove the underhood storage unit (refer to Service Manual procedure [15240702](#)).
3. Inspect the position of the wires connected to the hood latch actuator connector.


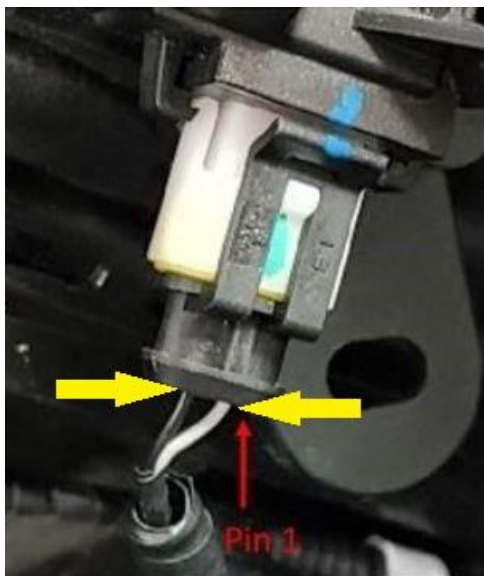
 **NOTE:** The connector barrels are labeled with the numbers “1” and “2” (Figure 1). The white wire should be in barrel 1 and the black wire should be in barrel 2.



Figure 1

- If the wires are in the correct position (Figure 2), skip to step 14.
- If the wires are in the incorrect position (Figure 3), continue to the next step.



✓ Figure 2 – Correct wire position



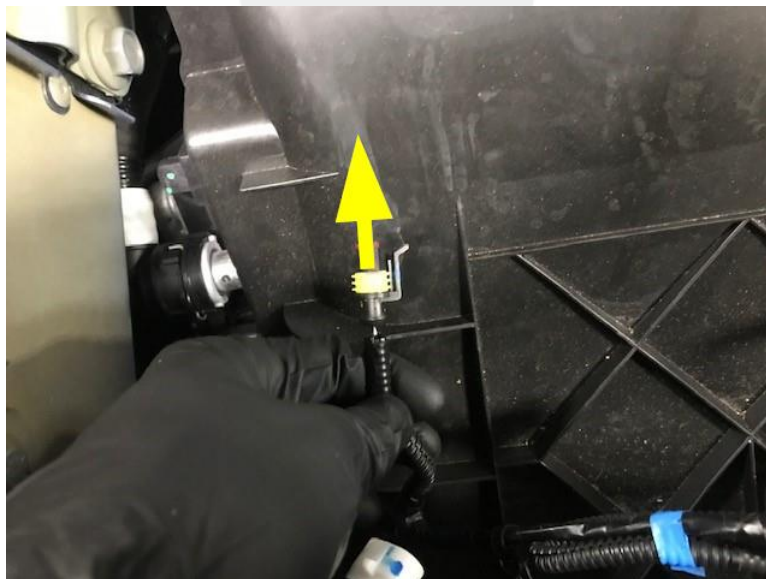
✗ Figure 3 – Incorrect wire position

4. Disconnect the clips that attach the hood latch actuator harness to the vehicle, and then disconnect the electrical connector from the hood latch actuator assembly (Figure 4).



**Figure 4**

5. Slide the connector seal away from the connector (Figure 5).



**Figure 5**

6. Gently pry the red terminal pin lock tabs outward (Figure 6), and then slide the terminal pin lock away from the connector.



**Figure 6**

7. Remove the electrical tape (Figure 7), and then separate the wires from the corrugated tubing.



**Figure 7**



8. Insert the #22 depin tool from the pin drag kit into the cavity above a connector pin (Figure 8), and then gently pry up on the black tab in the cavity while simultaneously pulling the wire out of the back of the connector (Figure 9). Repeat this step for the remaining pin.



Figure 8



Figure 9

9. Insert the white wire into barrel 1, and then push the wire until an audible click is heard (Figure 10). Repeat this step for the black wire in barrel 2. Gently pull both wires to ensure they are fully seated in the connector.


 **NOTE:** Ensure the terminal pin seals are fully seated in the connector housing (Figure 11).



Figure 10

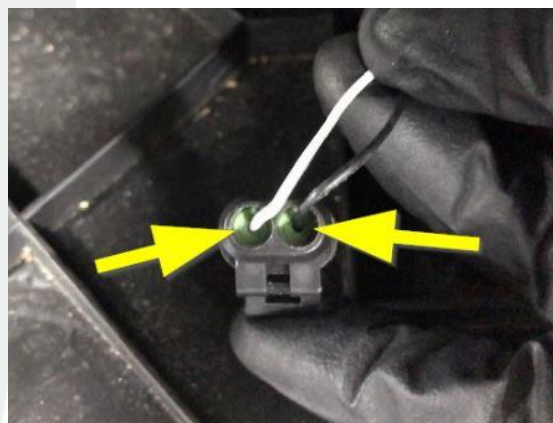


Figure 11

10. Wrap electrical tape around the pair of wires leaving ½ inch (12.5 mm) of tape hanging (Figure 12), then insert the wires into the corrugated tubing and use the excess tape to wrap around the tubing.



**Figure 12**

11. Gently press the terminal pin lock into the connector, engaging the two locking tabs (Figure 13).



**Figure 13**

12. Slide the connector seal over the latch actuator connector until it is fully seated (Figure 14).



**Figure 14**

13. Install the clips that attach the latch actuator harness to the vehicle, and then connect the electrical connector to the hood latch actuator assembly (Figure 15).



**Figure 15**

14. Install the underhood storage unit (refer to Service Manual procedure [15240702](#)).

15. Reconnect 12V power (refer to Service Manual procedure [17010200](#)).

16. Use the vehicle touchscreen to verify hood latch operation.

17. Verify that the symptoms related to the condition are no longer present.