



Resecure Light/Rain Sensor

Classification	Campaign Bulletin	Section/Group	10 - Body	Country/Region	United States
Year	2016	Model	Model X	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 electrical component 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.*

Condition

Some Model X vehicles might have a light/rain sensor that is not fully secured to the bracket on the windshield. This condition might cause incorrect functionality of the windshield wipers in "Auto Wipe" mode. Wiper function in "slow" and "fast" modes is not affected.

Correction

Inspect the light/rain sensor for correct installation. Resecure the light/rain sensor to the windshield bracket, if necessary.

Correction Description	Correction	Time
SB-16-10-002 Not Applicable	S011610002	0.00
Inspect Light/Rain Sensor For Correct Installation; No Additional Work Required	S021610002	0.05
Inspect Light/Rain Sensor For Correct Installation; Resecure Light/Rain Sensor	S031610002	0.10
Inspect Light/Rain Sensor For Correct Installation; Replace Damaged Light/Rain Sensor	S041610002	0.60

Required Part(s):	Part Number	Description	Quantity
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If necessary:

1068171-00-A	MX SOP,MODULE,SENSOR,LIGHT/ RAIN W/ HUD	1
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These part numbers were current at the time of publication. Use the revisions listed or later, unless otherwise specified in the Parts Manual.

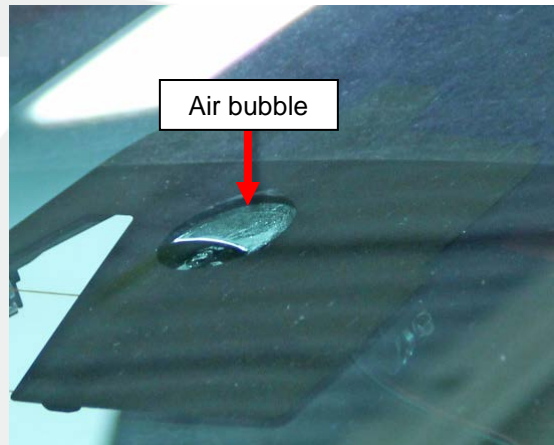
Special Tool(s):	1053066-00-A	Camera Calibration Target
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Procedure

1. Set the vehicle to the "Very Low" suspension setting.
2. Working from outside the vehicle, use a flashlight to inspect the light/rain sensor for correct installation:
 - If the light/rain sensor is flush with the windshield and there is no air bubble or visible gap, the light/rain sensor is correctly installed. Set the suspension level back to its original setting and discontinue this procedure.
 - If the light/rain sensor is not flush with the windshield and/or there is an air bubble or visible gap between the sensor and the windshield (Figures 1 and 2), continue this procedure.



✘ Figure 1
(Sensor not fully secure)



✘ Figure 2
(Sensor not fully secure)

3. Remove the rear view mirror (refer to Service Manual procedure 15050202).
4. Use a trim tool to release the upper camera cover from the windshield bracket (Figure 3).

NOTE: The following image shows the rear view mirror still installed.



Figure 3

5. Inspect the spring clip (Figure 4) on each side of the light/rain sensor:
 - If either spring clip is not secured to the plastic tab on the windshield bracket, ensure that there are no obstructions pulling the sensor away from the windshield then resecure the spring clip and continue this procedure.
 - If both spring clips are secured to the plastic tabs on the windshield bracket, ensure that there are no obstructions pulling the sensor away from the windshield then skip to step 7.

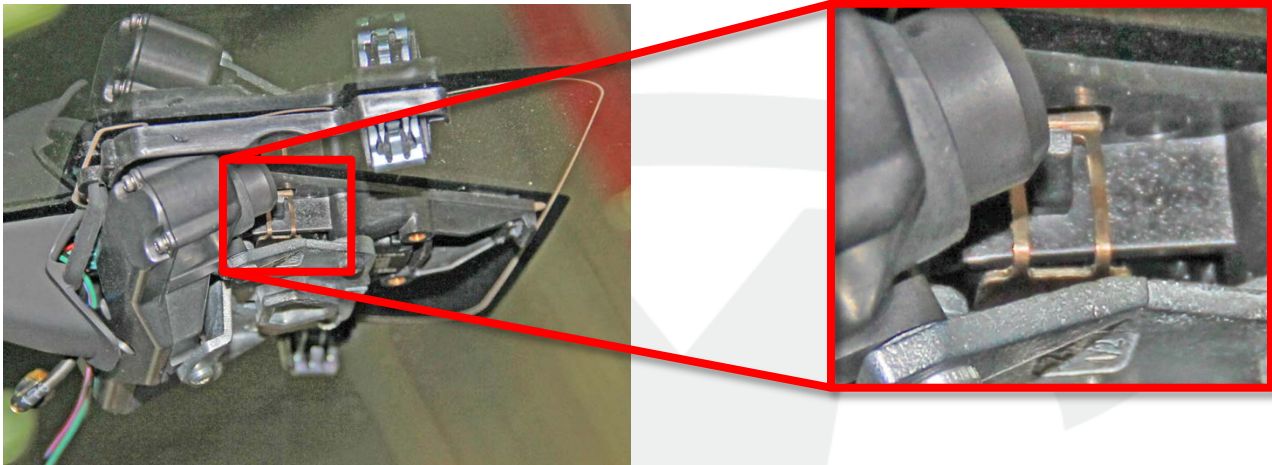


Figure 4

6. Working from outside the vehicle, use a flashlight to inspect the light/rain sensor for correct installation:
 - If the light/rain sensor is flush with the windshield and there is no air bubble or visible gap, the light/rain sensor is correctly installed. Reinstall the rear view mirror, set the suspension level back to its original setting, and discontinue this procedure.
 - If the light/rain sensor is still not flush with the windshield and/or there is still an air bubble or visible gap between the sensor and the windshield (Figures 1 and 2), continue this procedure.
 7. Replace the light/rain sensor (refer to Service Manual procedure 10200502).
 8. Reinstall all components that were removed for access.
- NOTE:** The forward facing camera must be recalibrated if the light/rain sensor was replaced (refer to Service Manual procedure 17230600).
9. Set the suspension level back to its original setting.

Affected VIN(s) Affected Model X vehicles built before approximately February 1, 2016.

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.

For feedback on the accuracy of this document, email ServiceBulletinFeedback@teslamotors.com.