



HD REAR BUMPER WITH LED JEEP LOGO BACKLIGHT

(2018-2025+ WRANGLER JL)

INSTALLATION INSTRUCTIONS

CONTENTS

- (1) Rear Bumper
- (1) Hitch Receiver
- (1) License Plate Bracket
- (1) M14x1.50 Double Nut Plate
- (2) M14x1.50 x 40mm Bolts
- (2) M14 Lock Washers
- (4) M14 Flat Washers
- (4) M12x1.75 x 120mm Bolts
- (4) M12 Lock Washers
- (8) M12 Flat Washers
- (4) M12 Nuts
- (2) M8x1.25 x 25mm Allen Bolts
- (4) M8 Flat Washers
- (2) M8 Lock Nuts
- (4) M6x1.00 x 16mm Allen Bolts
- (8) M6 Flat Washers
- (4) M6 Lock Nuts
- (1) 5mm Allen Key
- (1) 4mm Allen Key
- (4) Proximity Sensor Install Kits
- (2) License Plate Lamp Bolts
- (6) Scotchlok Connectors

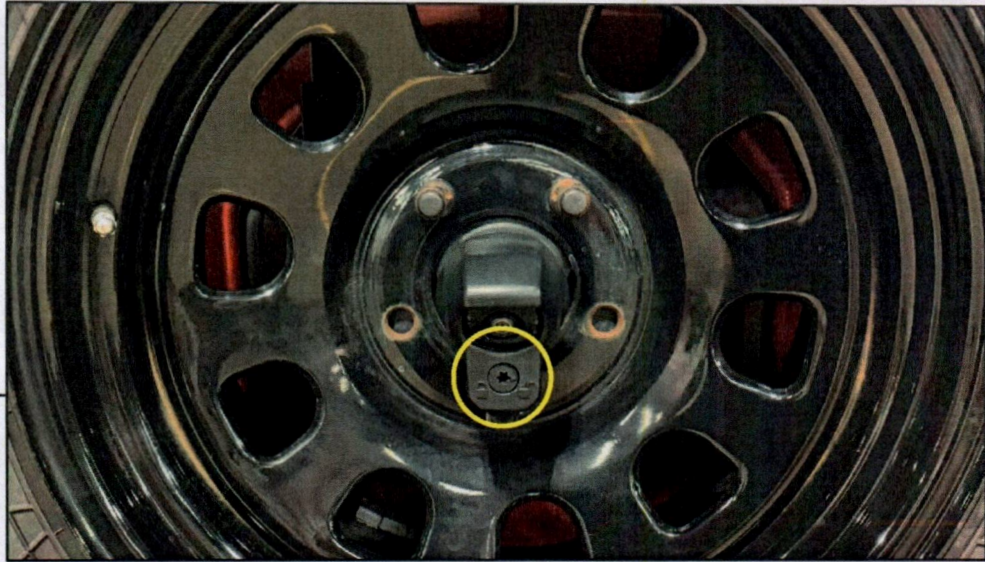
TOOLS REQUIRED

- 8, 10, 13, 16, 18, 19, 21mm Socket/Wrench
- Ratchet
- Panel Removal Tool

SKU # J245936

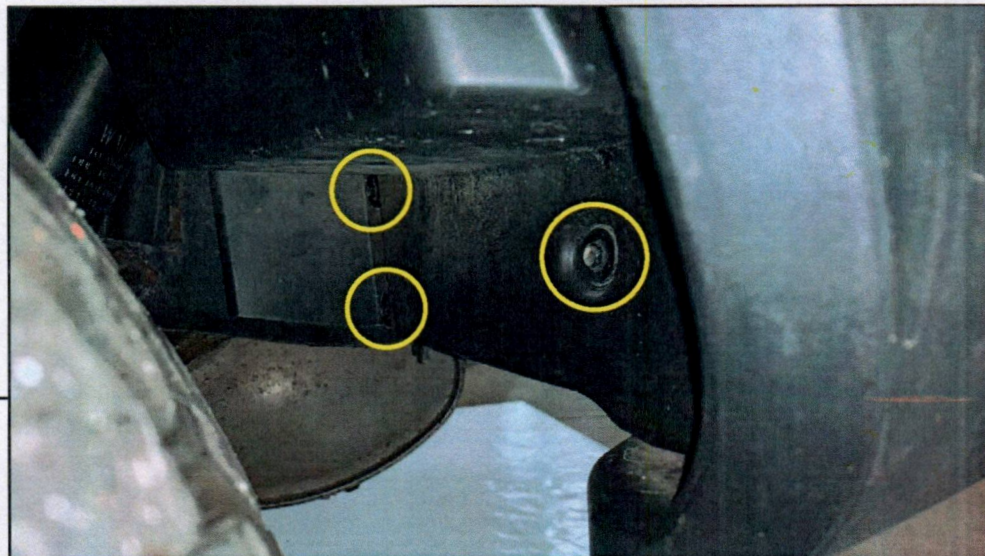


STEP 1



Remove the spare tire camera cover, then remove the spare tire from the vehicle.

STEP 2

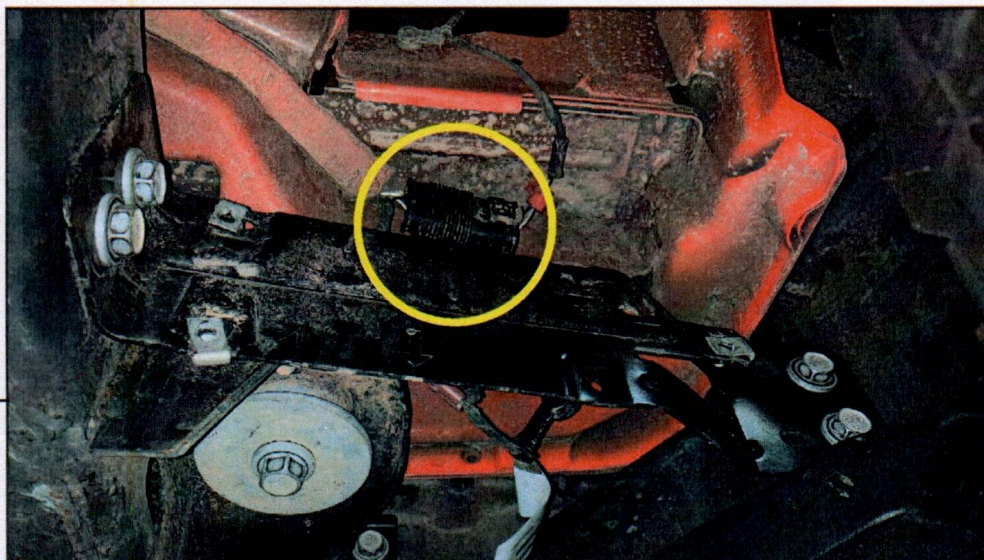


Behind the rear tire, remove (3) 8mm screws holding the bumper plastic liner in place. Once all screws are removed, pull the liner out and set aside.

Repeat this procedure to the opposite side.

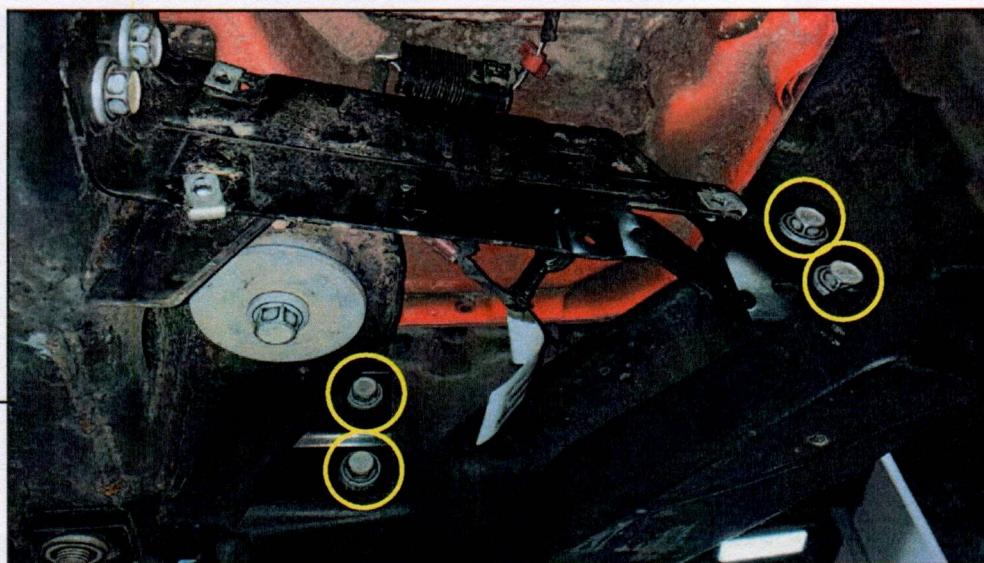


STEP 3



With the bumper liner removed, use a panel removal tool to dislodge the connector from the vehicle. Unplug the harness from the connector.

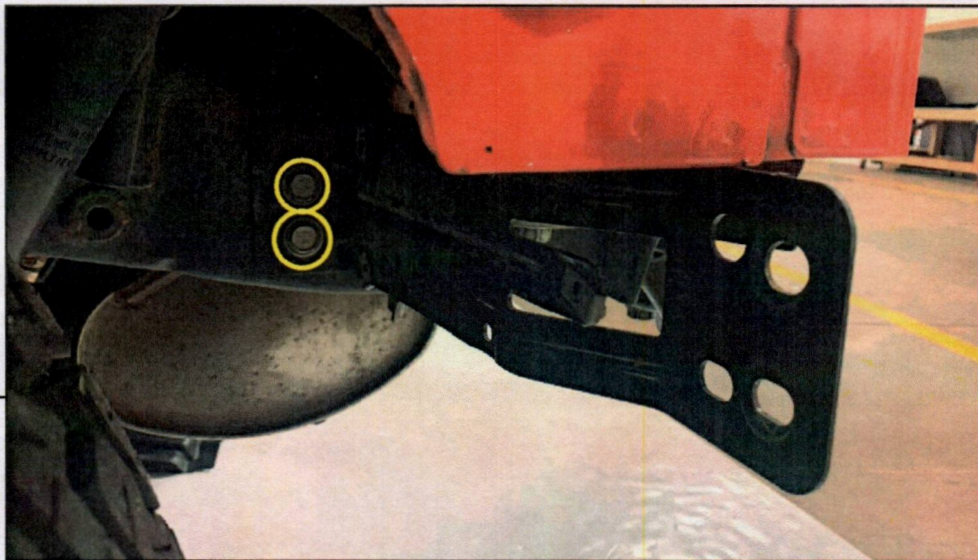
STEP 4



Remove (4) 16mm bolts from the backside of the bumper. Repeat this procedure for the opposite side. Remove the bumper from the vehicle.



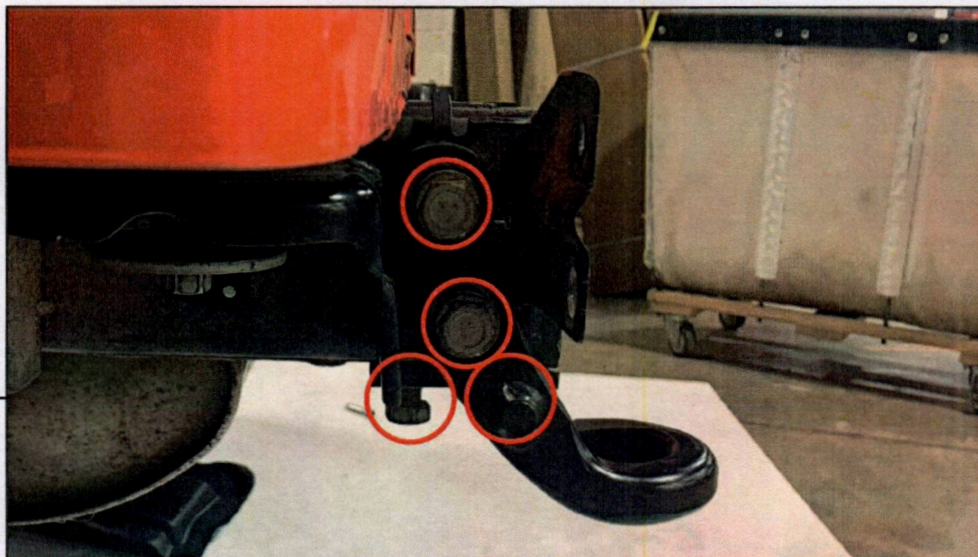
STEP 5



Remove (2) 16mm bolts from the original outer bumper bracket. Remove the bracket from the vehicle.

Repeat this procedure to the opposite side.

STEP 6

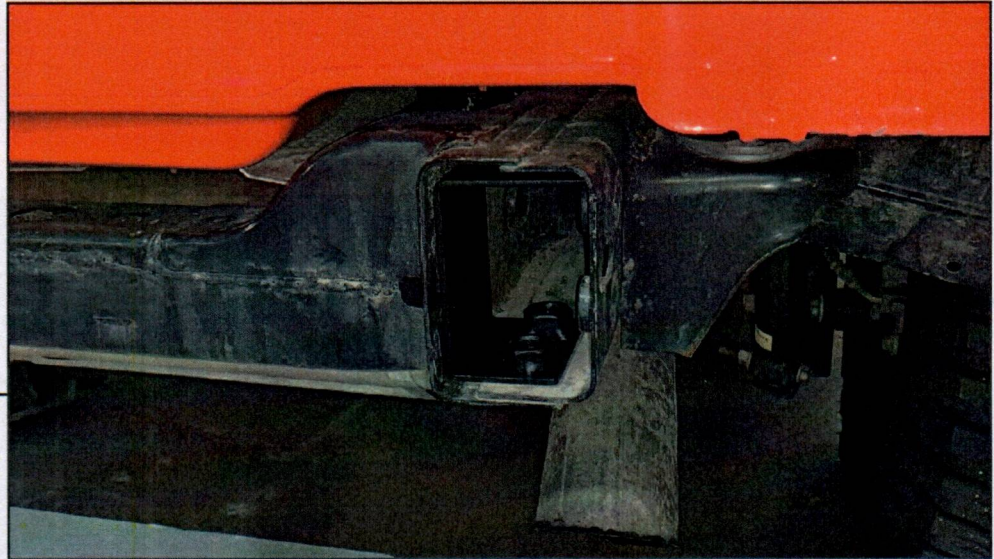


Remove (4) 21mm bolts to remove the inner bumper bracket and tow hook on the driver side. Remove (2) 21mm bolts to remove the inner bumper bracket on the passenger side.

Note: The OEM hardware will be reused.

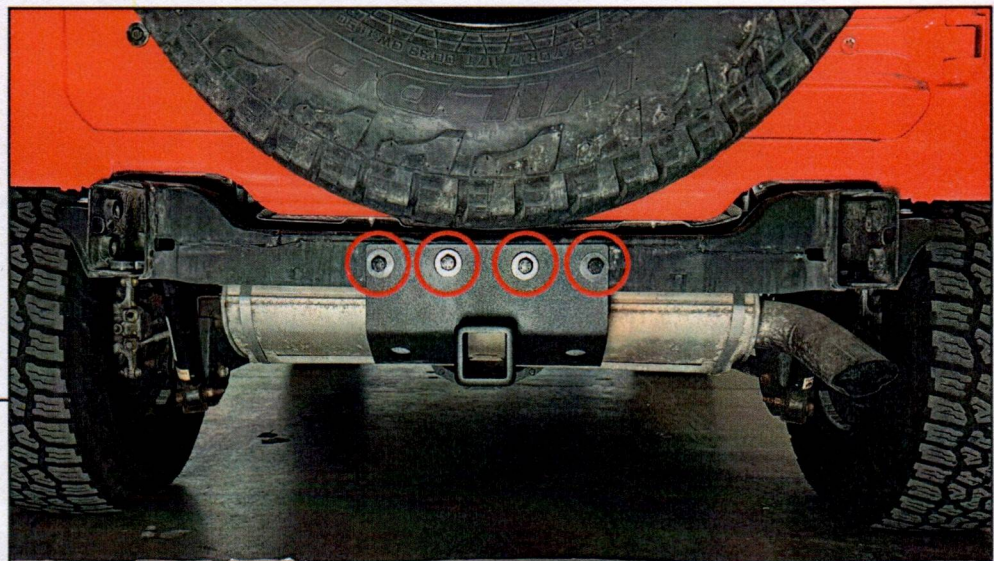


STEP 7



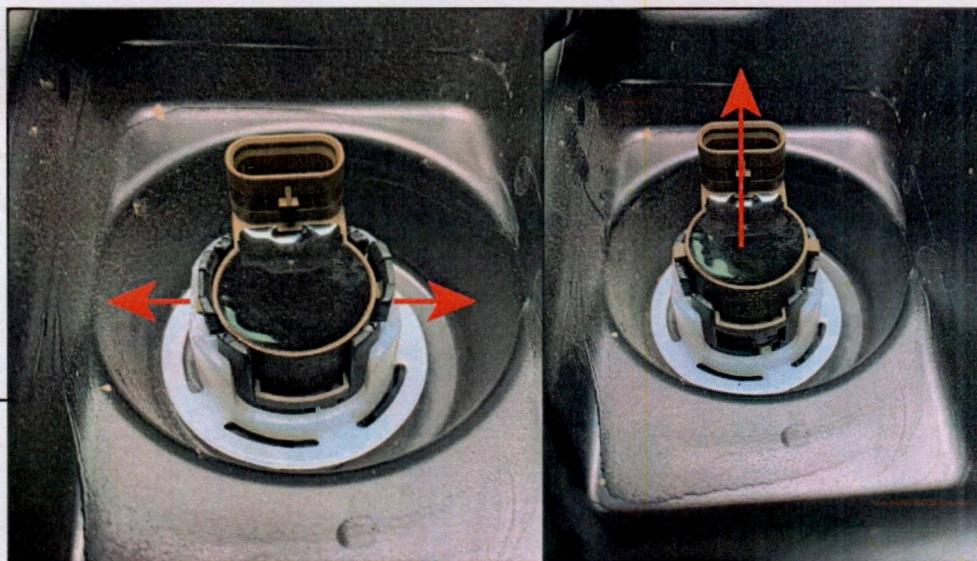
Place the (1) M14 double nut plate into the RH side vehicle frame. Ensure to align the welded nuts with the lower frame holes.

STEP 8



Lift the included hitch receiver to the center of the vehicle frame, and secure into place using the included (4) M12 x 120mm bolts, (4) M12 lock washers, (8) M12 flat washers, and (4) M12 nuts. Torque bolts to 100 ft. lbs.

Note: The receiver is intended to have a tight fit to the frame. If necessary, use a rubber hammer to assist aligning the hitch receiver to the frame holes.



**STEP 9
(PROXIMITY
SENSORS
REMOVAL)**

Place the original bumper and the new bumper on a workable surface.

If the vehicle is equipped with backup/proximity sensors in the bumper, carefully unplug and remove the sensors from the bumper by using a small flat head screwdriver or pick to gently pry back the mounting tabs.

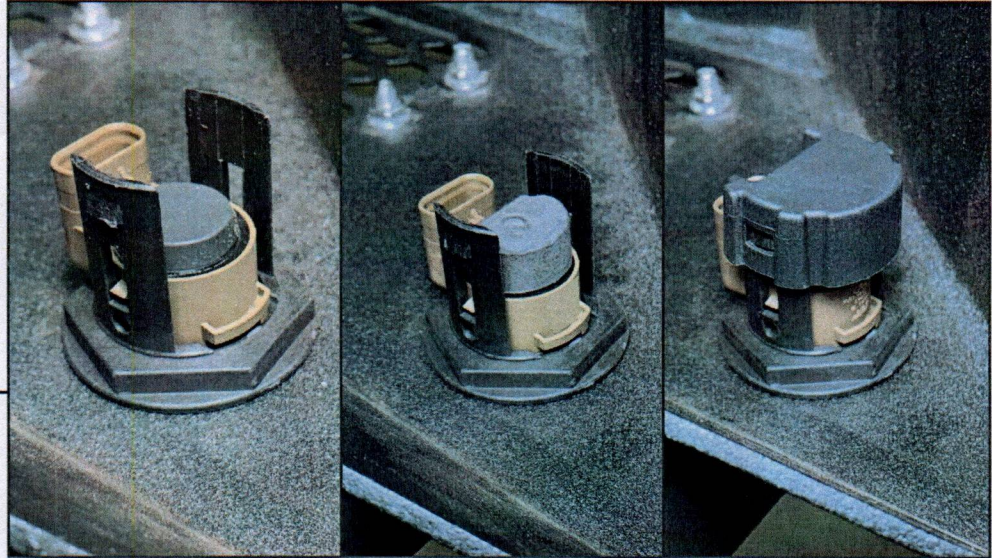


**STEP 10
(PROXIMITY
SENSORS
REMOVAL)**

Remove the rubber gasket from around the sensor. Install the provided foam ring gasket around the sensor.

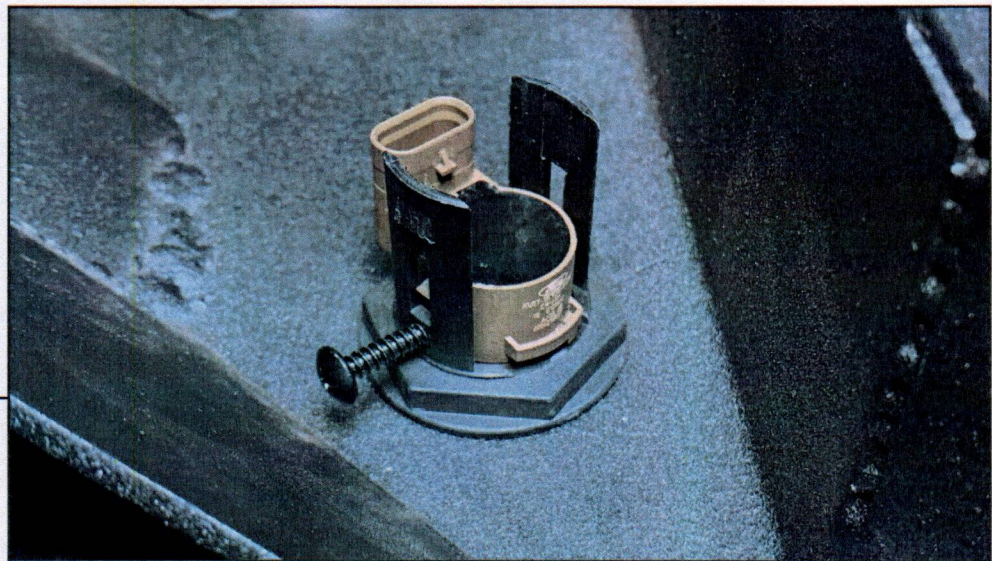


**STEP 11
(SENSOR
MOUNTING
OPTION 1)**



Place the sensor into the designated port, ensuring the mounting tabs are within the slots. Adhere (1) rubber grommet to the sensor using the attached adhesive. Place (1) foam pad onto the rubber grommet. Place the (1) plastic cap onto the assembly, ensuring the (2) tabs lock into place to secure the sensor tightly to the port.

**STEP 12
(SENSOR
MOUNTING
OPTION 2)**

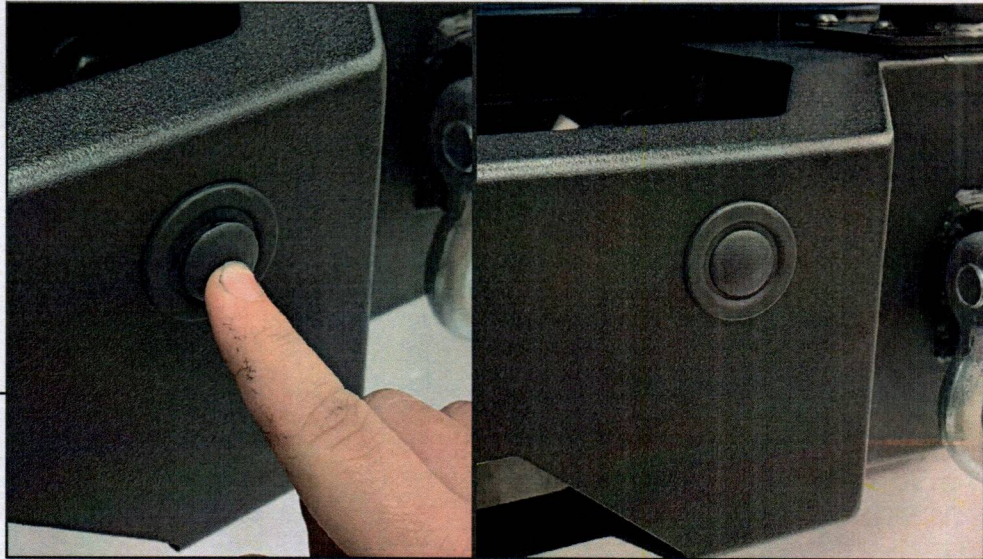


Place the sensor into the designated port, ensuring the mounting tabs are within the slots. Using (2) Phillips screws, gently tighten the screws until moderate pressure is on the sides of the sensor to hold the sensor into place.

Note: Do NOT over-tighten the screws as the sensor can become damaged.

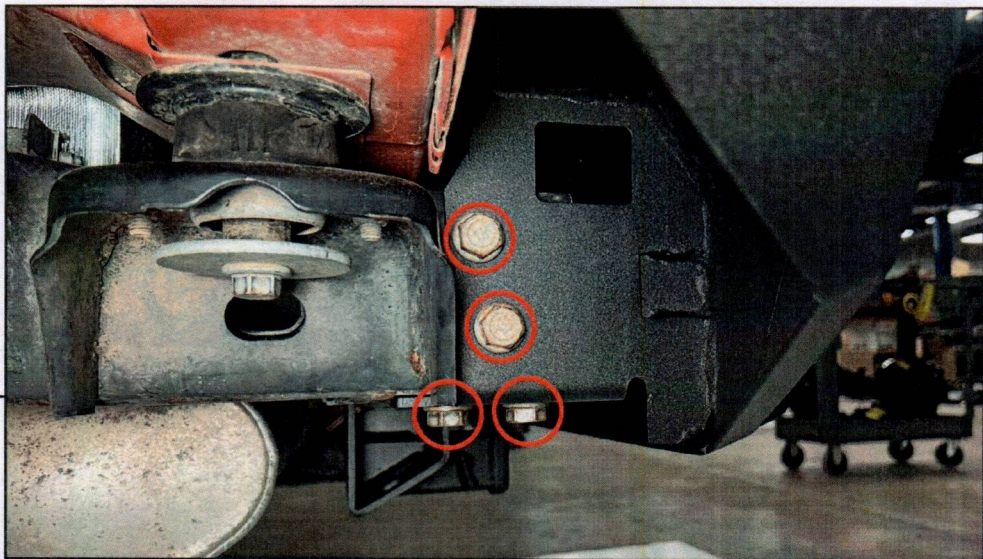


STEP 13
(NO PROXIMITY
SENSORS)



No Sensor: Press the plastic cap into the backup sensor housing through the face of the bumper.

STEP 14



With a helper, lift the bumper to the vehicle frame. Secure the bumper into place using the hardware specified below.

LH Side: Use all OEM 21mm bolts. Torque to 100 ft. lbs.

RH Side: Use (2) M14 x 40mm bolts, M14 lock washers, and M14 flat washers on the bottom of the frame into the previously mounted nut plate. Use OEM hardware on the outside of the frame. Torque to 100 ft lbs.

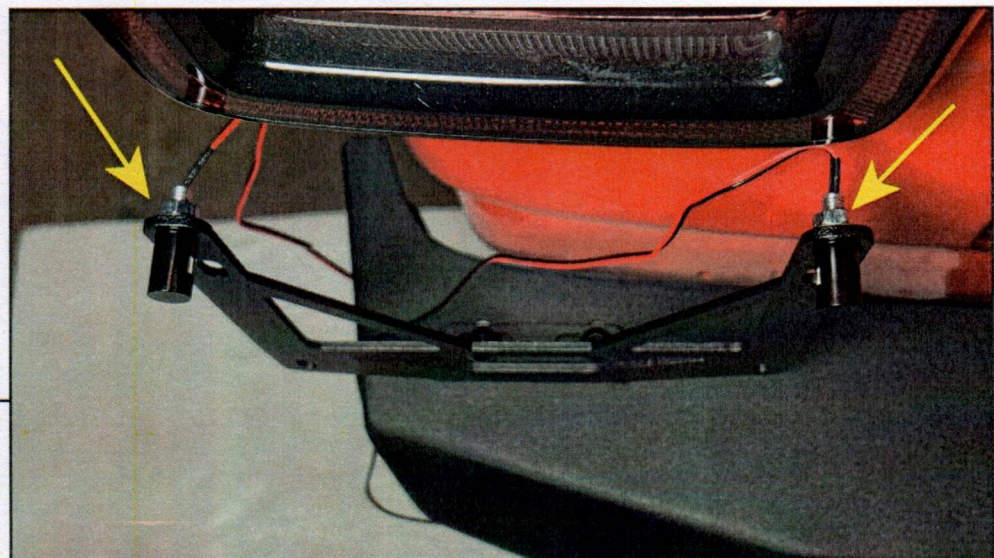


STEP 15



Secure the license plate bracket to the bumper using (2) M8 x 25mm Allen bolts, (4) M8 flat washers, and (2) M8 lock nuts.

STEP 16



Remove the nut and flat washer from each license plate lamp bolts. Then, fit the license plate lamp bolts and wiring through the license plate bracket, and secure into place using the previously removed hardware. Ensure the LED is aiming downwards before tightening into place.

See Step 17 for wiring instruction.



STEP 17

Secure the vehicle license plate to the bracket using (4) M6 x 16mm Allen bolts, (8) M6 flat washers, and (4) M6 lock nuts.

Splice the license plate lamp bolts into the vehicle license plate harness using the included scotch-lok connectors by following the diagram below.

License Plate Lamp Bolts	-	Vehicle Harness
Red (+)	-	White/Blue (+)
Black (-)	-	Black (-)



STEP 18 (OPTION 1: AUX SWITCH)

Backlight Wiring Option 1 - Standalone Harness: Starting at the rear bumper, route the terminal ends of the wiring harness neatly down the RH side of the vehicle frame, then route the terminals towards the vehicle battery.

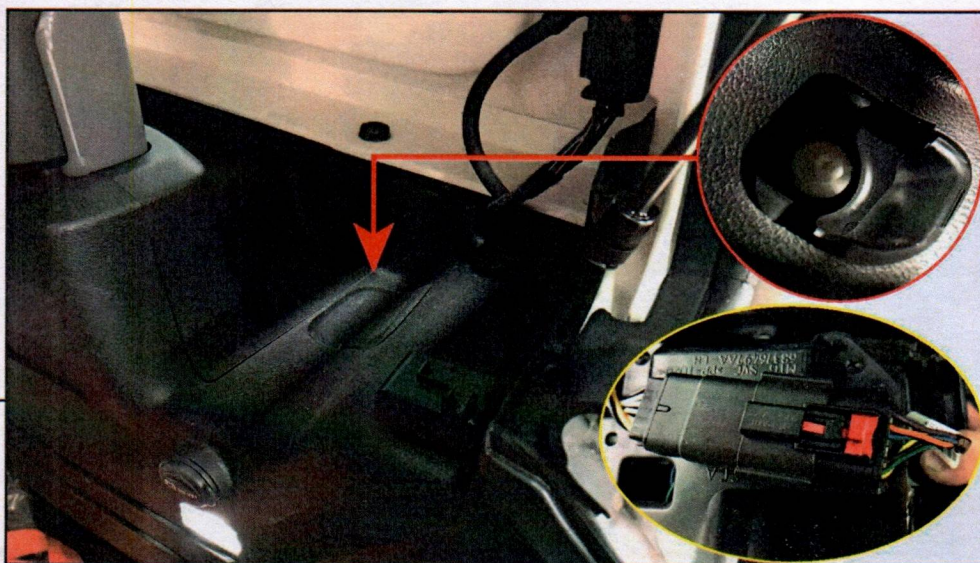
The terminals will connect to the battery. Route the switch harness across the vehicle firewall towards the LH side of the vehicle.



STEP 19
(OPTION 1:
AUX SWITCH)

Backlight Wiring Option 1 - Standalone Harness (cont.): From the interior, feed the switch connector through a suitable firewall grommet. Plug the switch into the wiring harness. Clean the desired switch mounting location using isopropyl alcohol and a microfiber cloth. Peel the double sided tape backing on the switch, and firmly press the switch to the vehicle to adhere into place.

Connect the terminal ends of the harness to the vehicle battery (Red = 12V+ , Black = Chassis Ground). Secure all wiring harness away from any moving/hot components using cable ties.

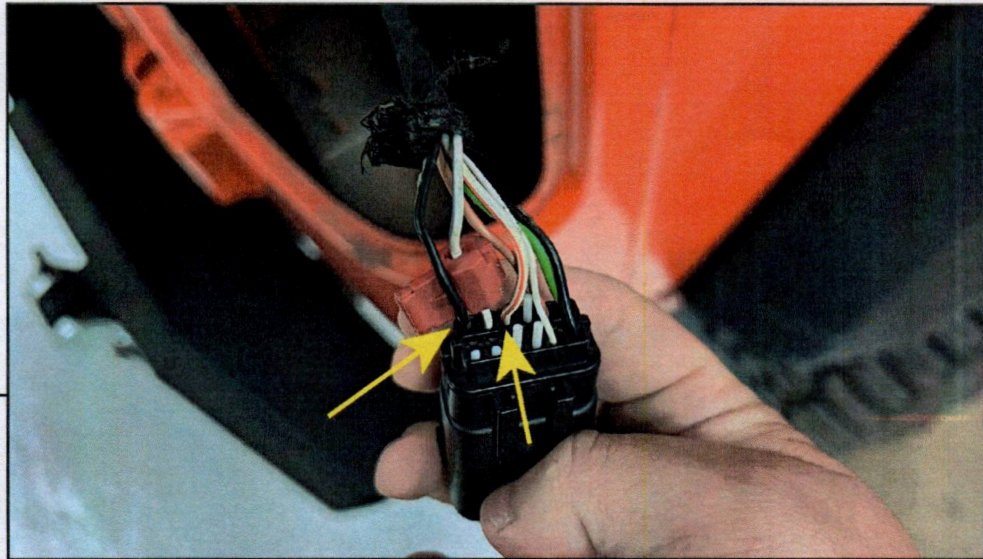


STEP 20
(OPTION 2:
PARKING LIGHT)

Wiring Option 2 - Parking Light: From the vehicle interior, remove the plastic trim panel covering the tail light retaining bolt. Loosen the (1) 10mm bolt and pull the tail light from the vehicle. Unplug the tail light harness by sliding the red lock, and then pressing down on the black tab to release the connectors.



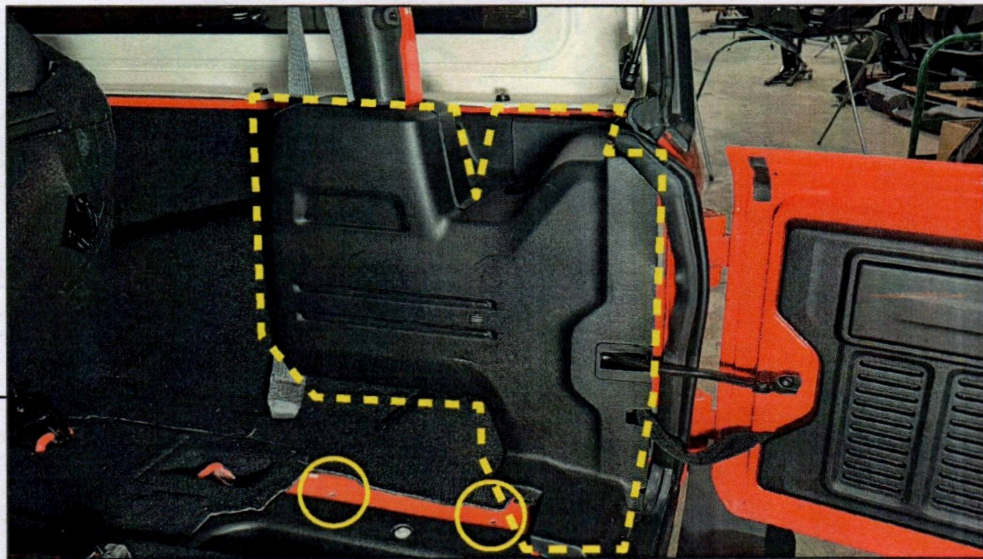
STEP 21
(OPTION 2:
PARKING LIGHT)



Wiring Option 2 - Parking Light (cont.): Route the backlight wiring harness upwards towards the RH tail light assembly behind the body, and trim to a workable length. Splice the harness into the vehicle parking lamp circuit using the included (2) scotchlok connectors following the diagram below. The Jeep logo backlight will now function with the vehicle parking lights.

<u>Vehicle Parking Light Wiring</u>	-	<u>Backlight Harness</u>
White/Orange (+)	-	Red (+)
Black (-)	-	Black (-)

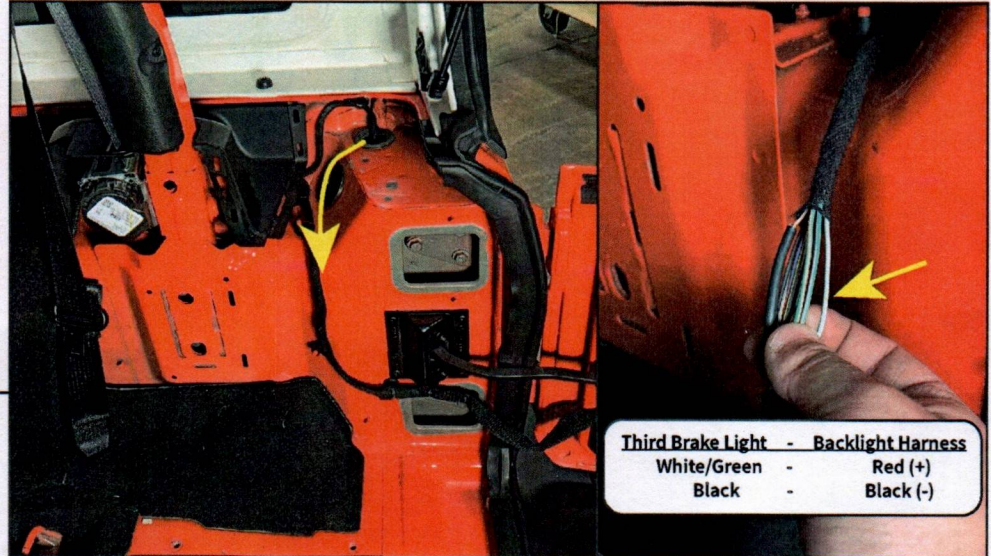
STEP 22
(OPTION 3:
BRAKE LIGHT)



Wiring Option 3 - Brake Light: Remove the RH tail light following Step 20. Then, remove (2) T-40 Torx bolts under the tie down point plastic covers in the cargo area. Peel the weatherstripping from around the tailgate limiting bar. Use a panel removal tool to remove the interior trim panel from the vehicle.



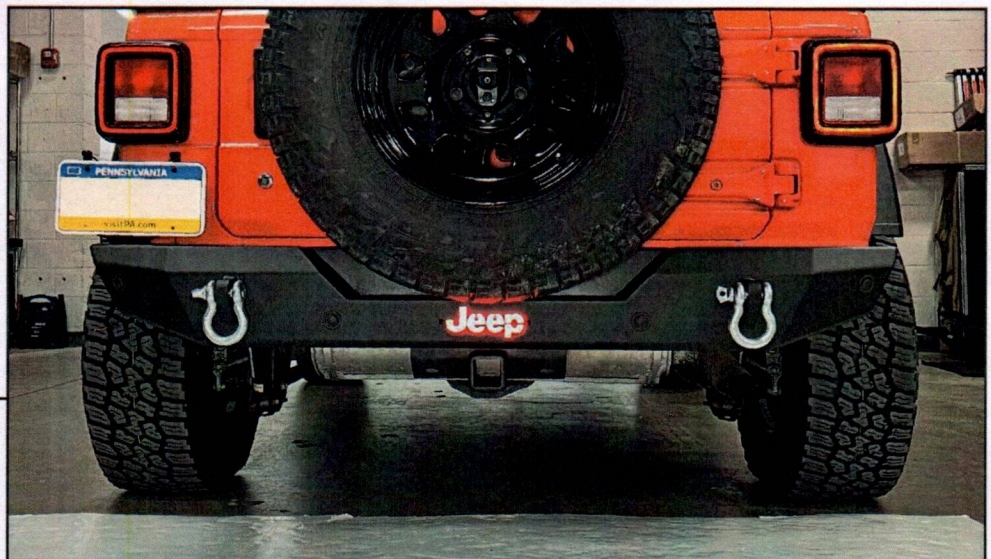
STEP 23 (OPTION 3: BRAKE LIGHT)



Wiring Option 3 - Brake Light (cont.): Locate the wiring harness routing towards the tailgate/third brake light. Use a razor blade to carefully cut the loom to reveal the third brake light harness. Carefully cut a slot in the RH tail light grommet in the body, and route the backlight harness through the grommet, trim the harness to workable length. Splice into the harness using the included scotchloks. The Jeep logo backlight will now function with the vehicle third brake light.

Note: The third brake light wire is White with a Green stripe, not to be confused with the Green with a White stripe.

STEP 24



Ensure all bumper hardware is fully tightened, and the wiring harnesses are neatly routed away from any moving/hot components. Install the (2) 3/4" D-Rings into the bumper mounting points.

Installation is now complete.