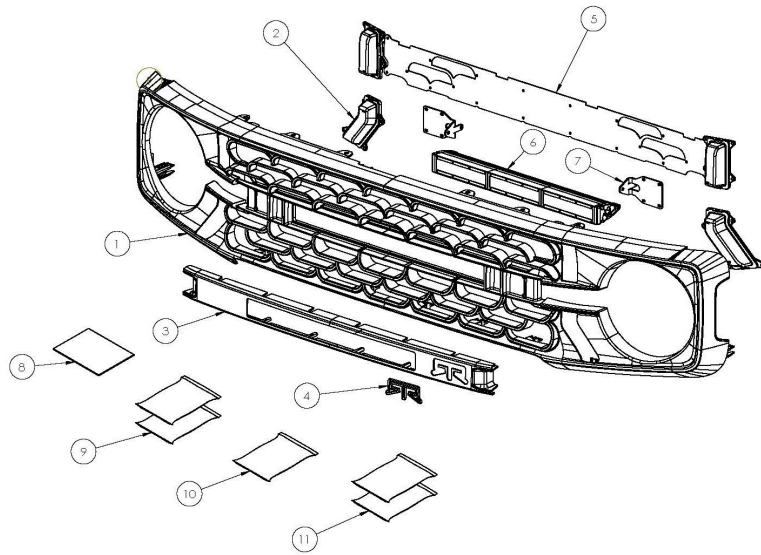




**2021 Ford Bronco  
RTR Grille  
Part number 14011.0001.15.B**



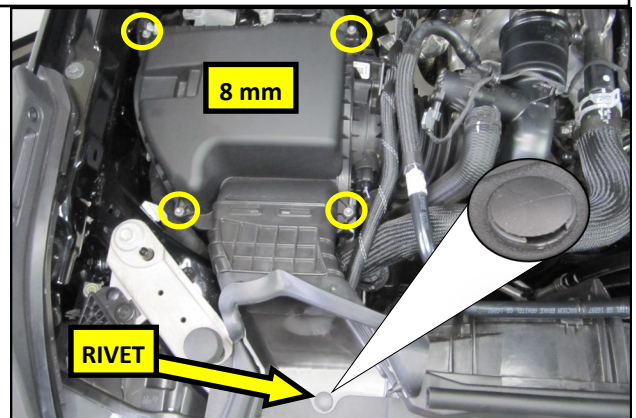
**Component Identification**

1.	Grille	1
2.	Accent Light	1
3.	Center Bar	1
4.	RTR Badge	1
5.	Air Deflector	1
6.	Light Bar	1
7.	Bracket	2
8.	Instructions	1
9.	Accent Light Harness	1
10.	Light Bar Harness	1
11.	Hardware Pack	2

This RTR product is only intended to be installed on vehicles equipped with the OEM Auxiliary Switches in the Overhead Console.



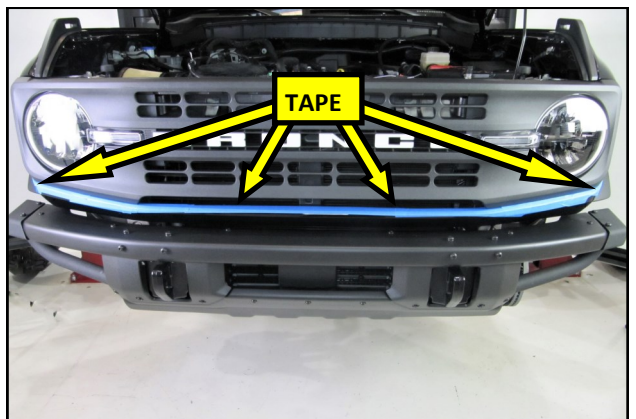
1. Safely support the vehicle on a hoist or jack stands and remove the front wheels and tires.



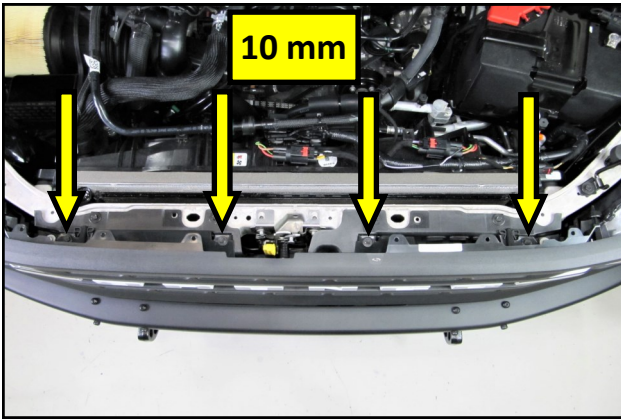
2. Using a panel clip removal tool or equivalent, pry open the plastic rivet in the air box inlet. Using an 8mm socket, remove the 4 air box screws and remove the air box lid from the vehicle.



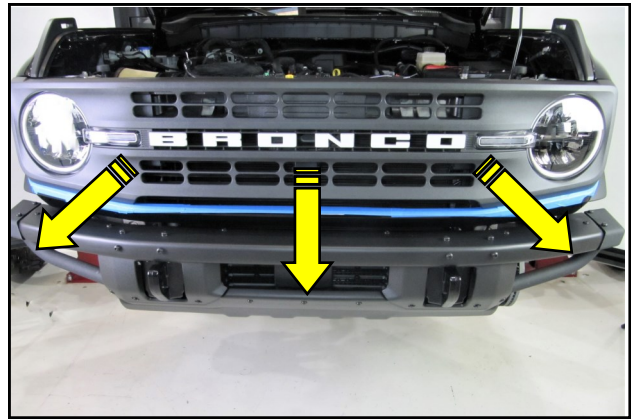
3. Remove the 8 plastic rivets in the core support cover and remove the cover from the vehicle.



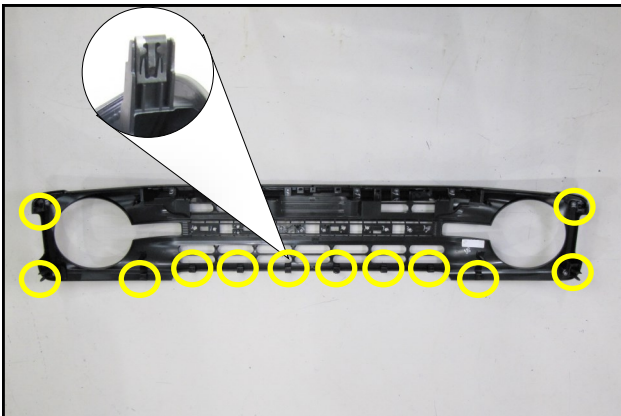
4. Prepare the vehicle for grille removal by applying a protective layer of painters tape on the bumper fascia, as shown.



5. Using a 10 mm socket, remove the four bolts securing the grille to the core support. Retain these bolts, they will be reused with the RTR Grille.



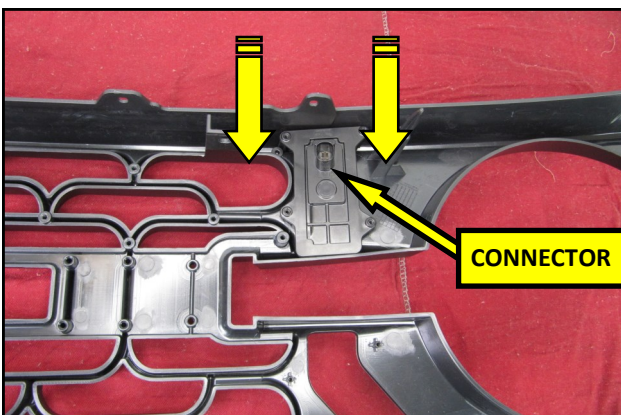
6. Carefully pull the grille forward, away from, and out of the vehicle. Set the grille, face down, on a workbench.



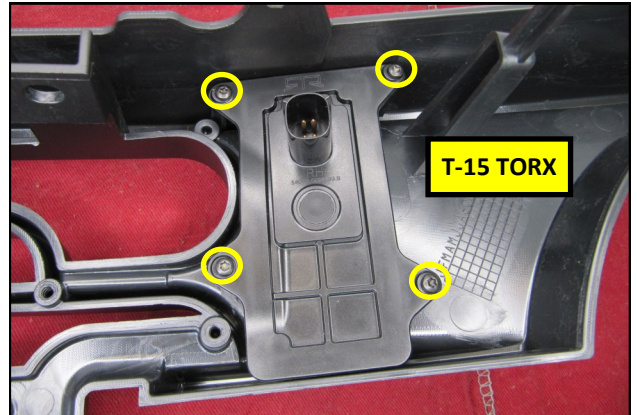
7. Using a pocket screwdriver or equivalent, carefully remove the 12 trim clips from the back of the OEM grille.



8. Transfer 12 OEM trim clips onto RTR Grille tabs as shown.

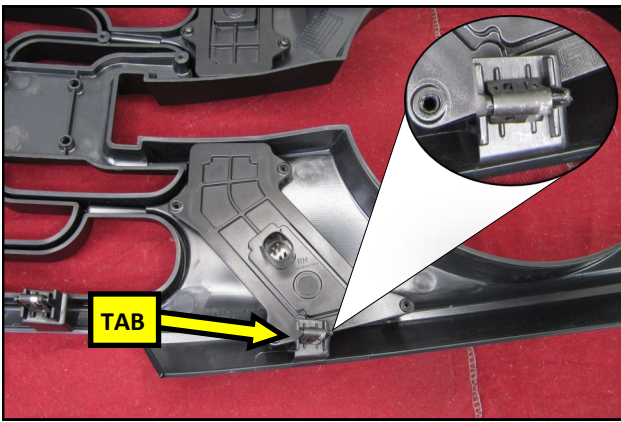


9. Place the Upper Grille Lights into their respective locations on the RTR Grille. The RTR Lights are side specific and are marked accordingly at the connector.

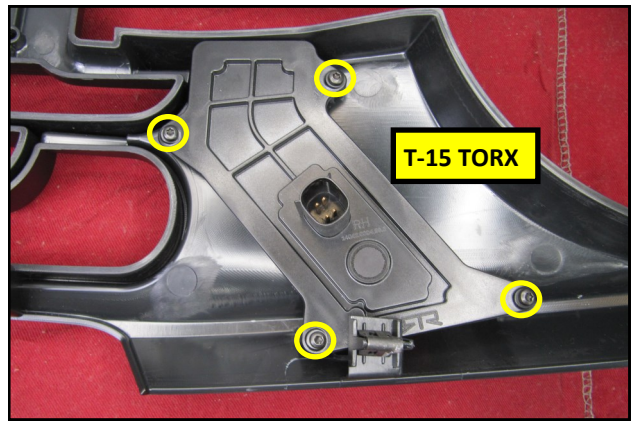


10. Using a T-15 TORX® driver, secure the Upper Grill Lights to the Grille using the supplied #6 Screws. **Do Not Over Tighten.**

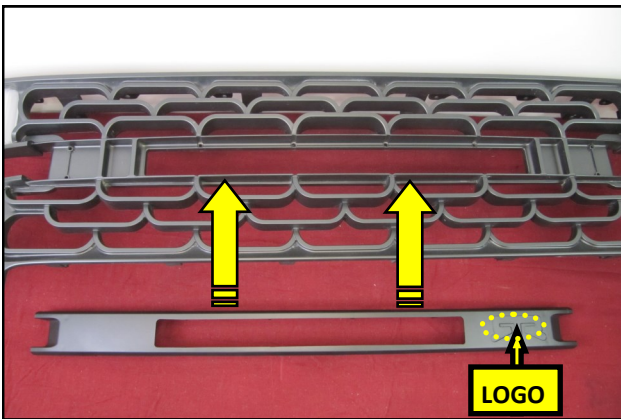




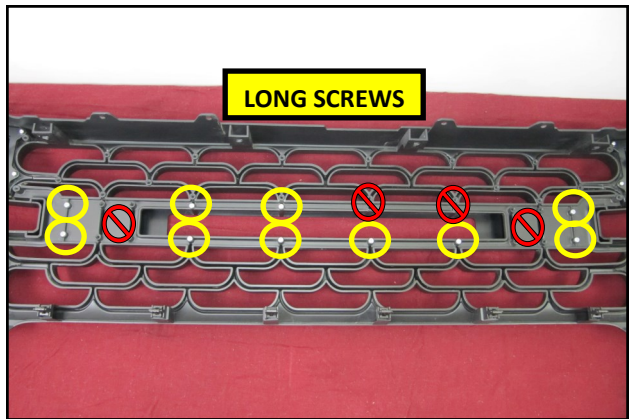
**11.** Place the Lower Grille Lights into their respective locations on the RTR Grille. **NOTE:** when properly installed, the bottom of the lights will be under the trim clip tab.



**12.** Using a T-15 TORX® bit, secure the Upper Grill Lights to the Grille using the supplied #6 Screws. **Do Not Over Tighten.**

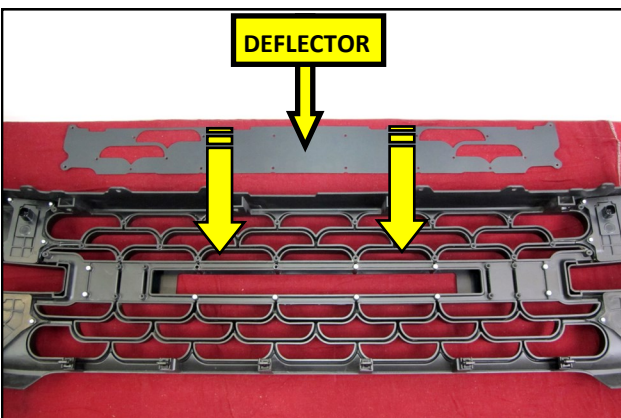


**13.** Place the Center Bar onto the face of the RTR Grille and align it with the features of the Grille. Gently press it into the Grille until it is fully seated. When properly installed, the RTR logo will be on the Driver side of the Grille.

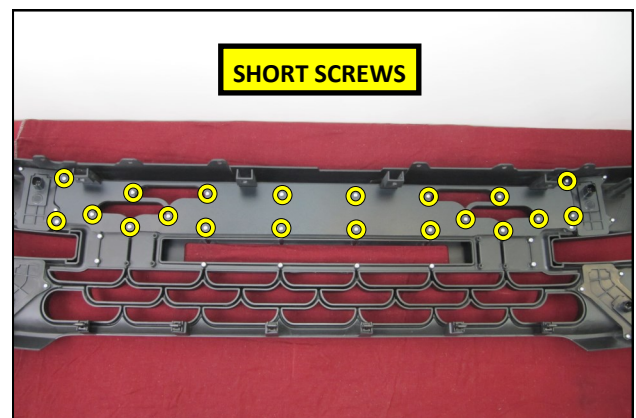


**14.** Using a T-20 TORX® driver, secure the Center Bar to the Grille using 10 of the 1" (Long), #8 Screws. **Do Not Over Tighten.**

**NOTE:** 10 of the center Grille holes will not be used in this step.

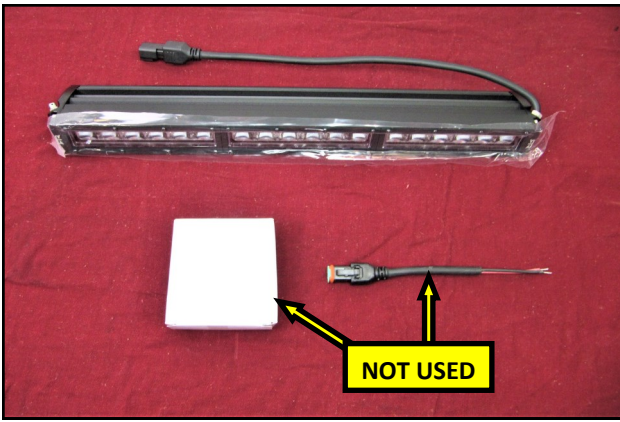


**15.** Place the Air Deflector, texture side down, onto upper portion of the RTR Grille.

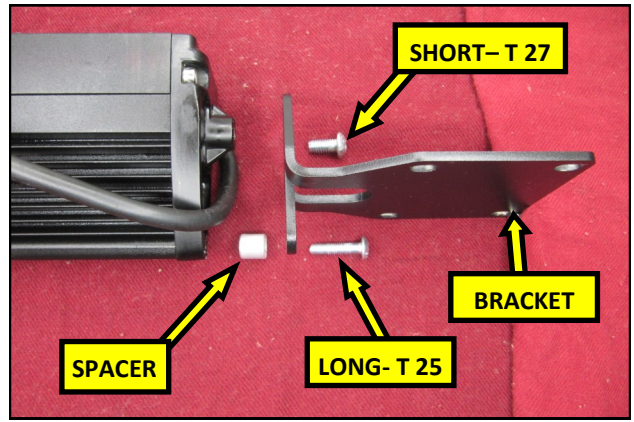


**16.** Align the Deflector with the Grille as shown. Using a T-20 TORX® driver, secure it using the supplied 1/2", (Short), #8 Screws. **Do Not Over Tighten.**

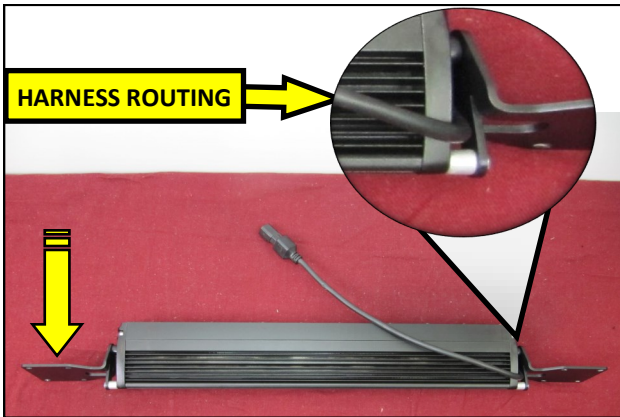




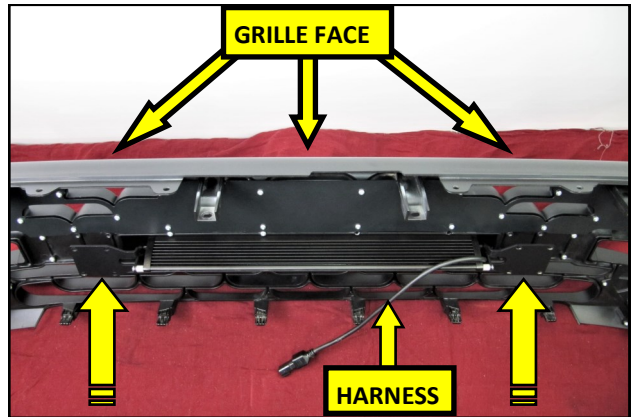
17. Remove the LED Light Bar, hardware kit, and pig tail connector from the packaging. Set the connector and kit aside. These components will not be used with this installation.



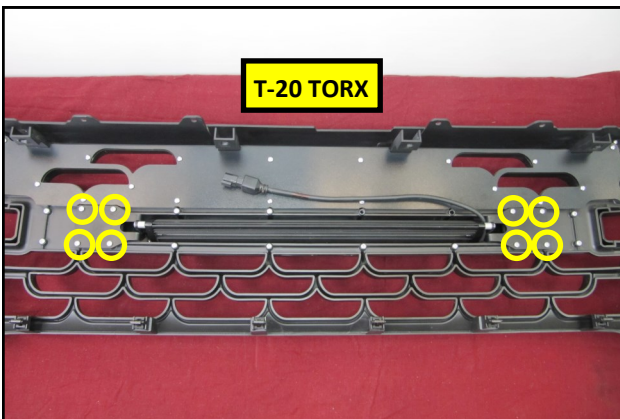
18. Using a T-25 and 27 TORX® driver, install the RTR Light Bar Bracket onto the Light Bar as shown, using the RTR supplied Screws and Spacers



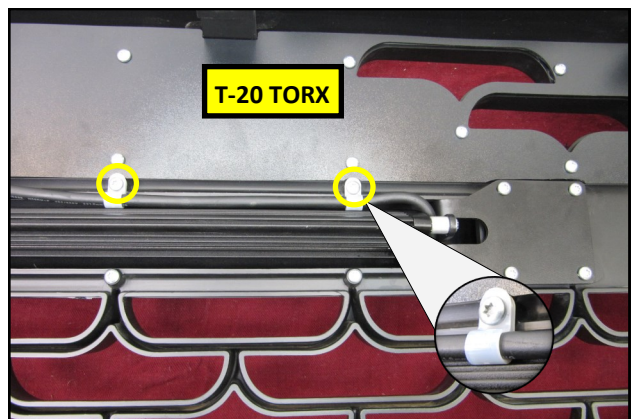
19. Install the second Bracket onto the other side of the Light Bar using identical components to those used in step 18. **NOTE:** When properly installed, the Light Bar harness resides between the Bar and the Bracket.



20. Insert the Bar and Bracket assembly into the Grille as shown, with the harness on the installers Right hand side. **NOTE:** Initially, the Light Bar will resist insertion into the Center Bar but will ease as it progresses and finish as a close tolerance fitment.

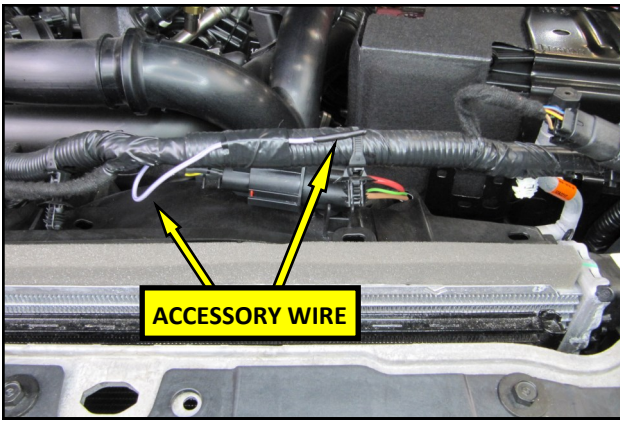


21. Secure the using eight of the Using a T-20 TORX® driver, secure the Light Bar to the Grille using 8 of the 1" (Long), #8 Screws. **Do Not Over Tighten.**

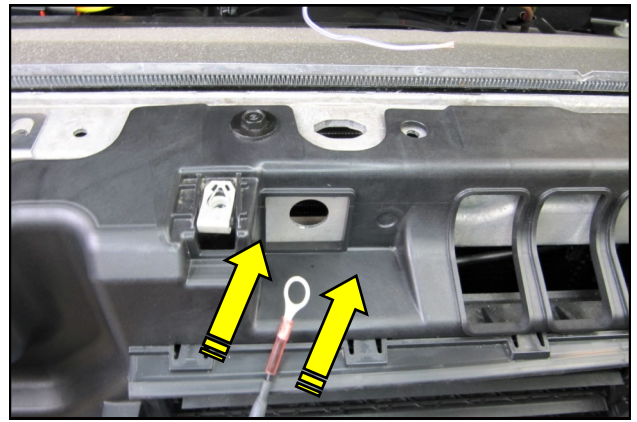


22. Secure to Light Bar harness to the Grille using the two Loop Clamps and 2, 1/2", (Short), #8 Screws. **Do Not Over Tighten.**

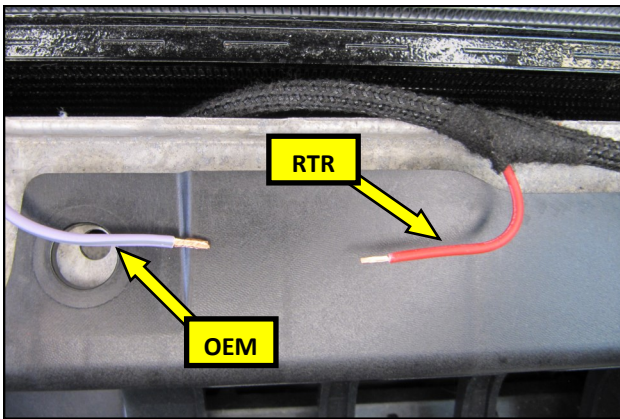




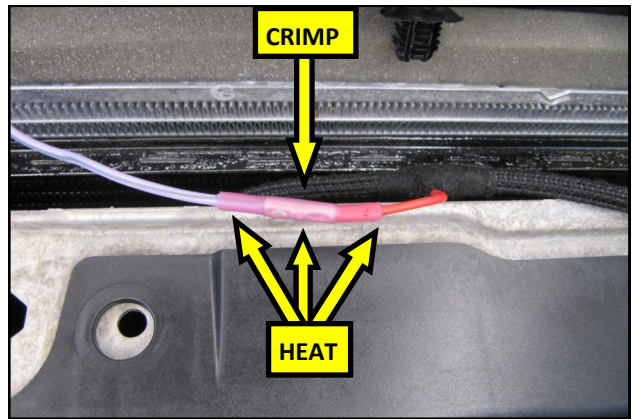
**23.** Locate the Purple OEM accessory wire taped to the main harness, above the fan shroud, and pull the free end out.



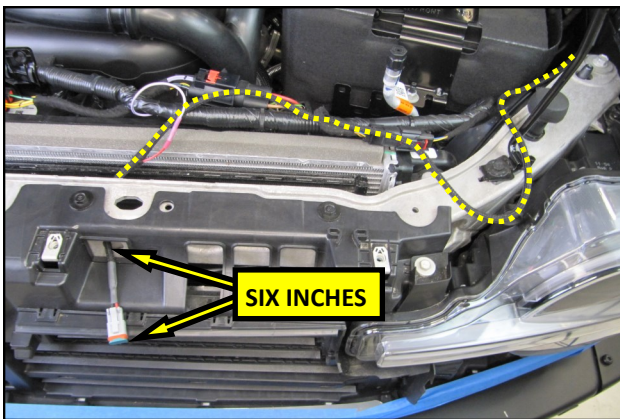
**24.** Feed the RTR Harness, ring terminal first, in to core support. Route the harness upward between core support and AC condenser and towards the battery.



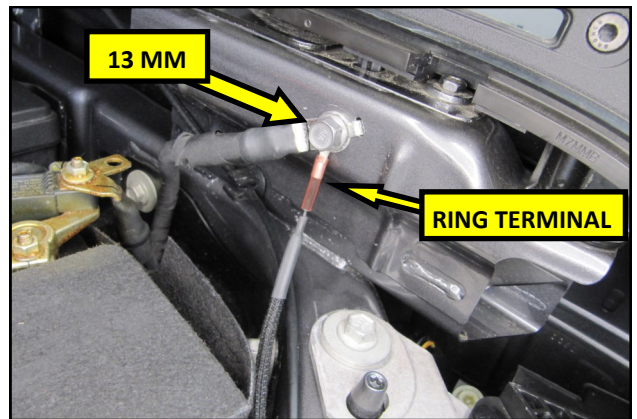
**25.** Locate Red wire in the RTR Harness and position it in close proximity to the OEM Purple wire. Strip approximately 3/16" of insulation from each wire.



**26.** Use the supplied Butt Connector to crimp the two together. Using a heat gun on low, shrink the insulation down onto the wires.

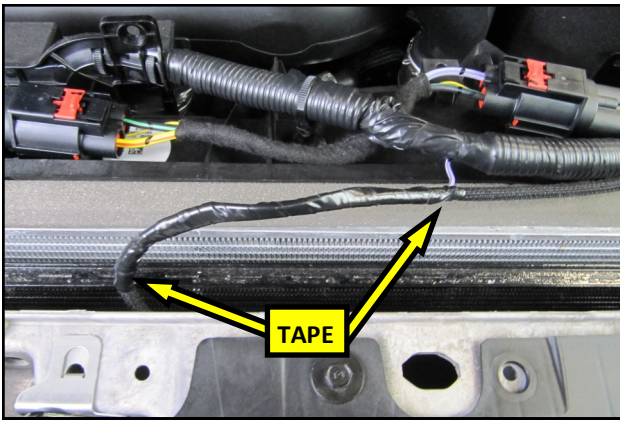


**27.** Route Harness towards driver side inner fender leaving approximately Six inches of the connector side in front of the radiator.

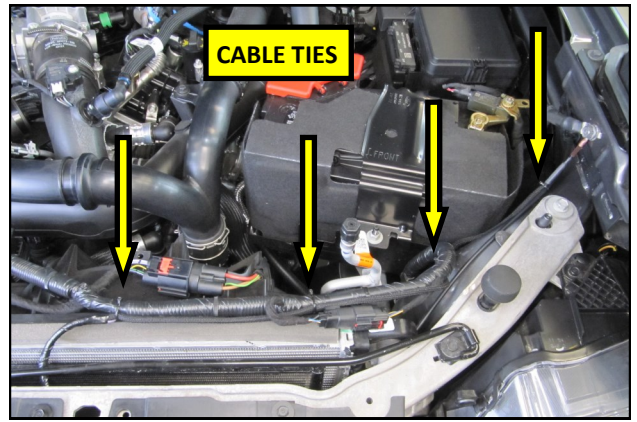


**28.** Locate the chassis ground on the drivers side inner fender. Using a 13 MM socket, remove the ground bolt and reinstall it with the ring terminal on the RTR Harness underneath it.

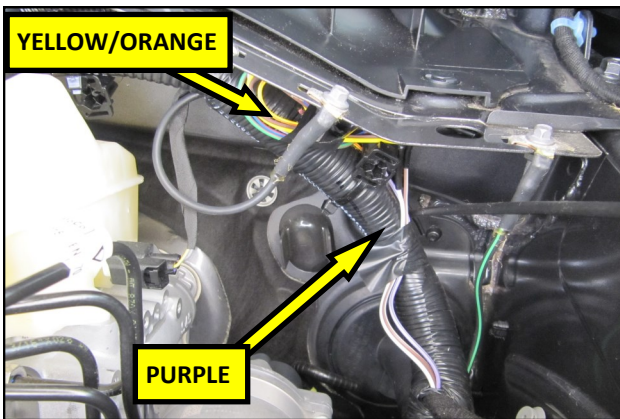




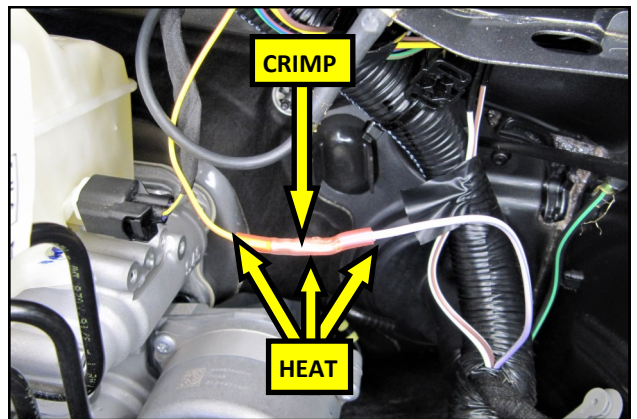
**29.** For added protection, tape the Red and Purple wires to the RTR Harness as shown.



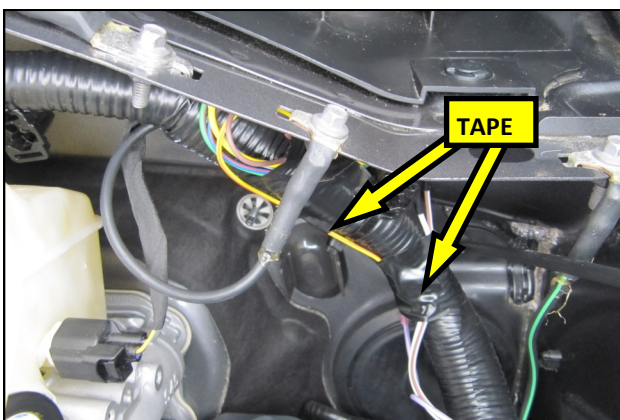
**30.** Secure the RTR Harness to the OEM harness using the supplied Cable Ties. Trim the excess length when fully secure.



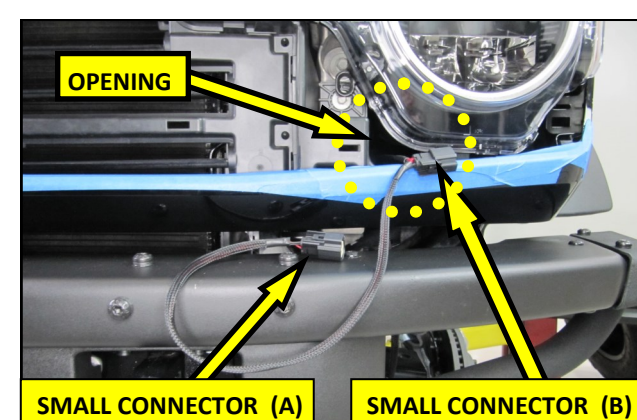
**31.** At the driver side firewall, locate the Yellow/Orange and Purple wires taped to the OEM harness and unwrap them.



**32.** Strip approximately 3/16" of insulation from each wire. Use the supplied Butt Connector to crimp the two together. Using a heat gun on low, shrink the insulation down onto the wires.

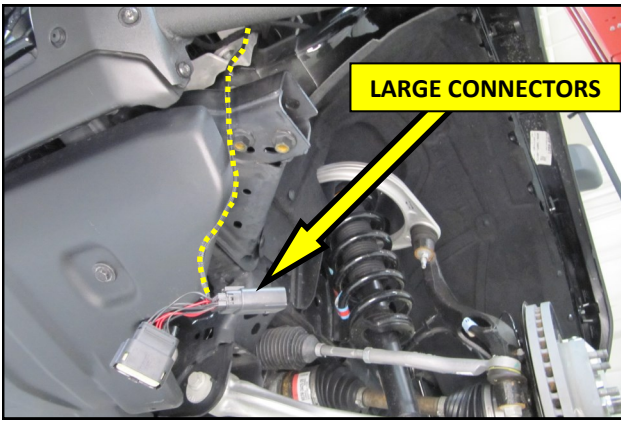


**33.** Use electrical tape to re-secure the accessory wires to the main harness

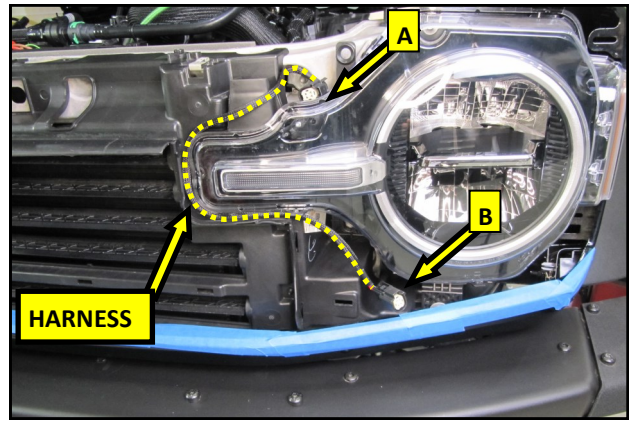


**34.** Feed the RTR Lighting Harnesses, Large Connectors first, into the vehicle through the openings between the grille shutter and the headlamps. Stop at the Small Connector, (B).

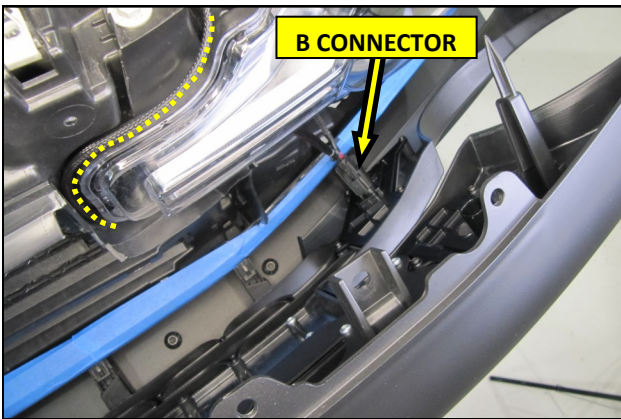




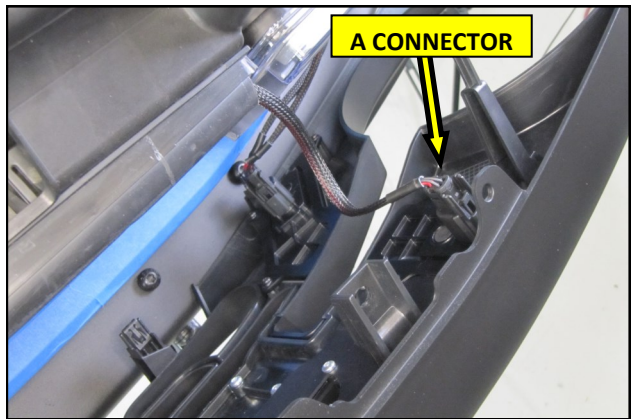
**35.** Feed the RTR Lighting Harnesses, Left and Right, down and out of the front of the vehicle as shown.



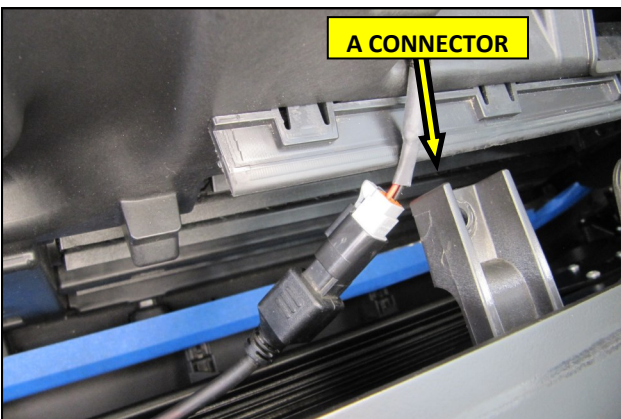
**36.** Route the Small Connector side of the Harnesses up and around both of the head lamps, as illustrated.



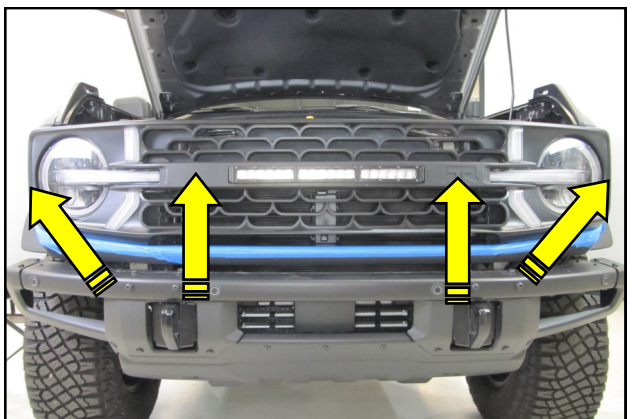
**37.** With the help of an assistant, raise the RTR Grille up towards the vehicle and connect the B Connectors to the Lower Grille Lights.



**38.** Connect the A Connectors to the Upper Grille Lights.

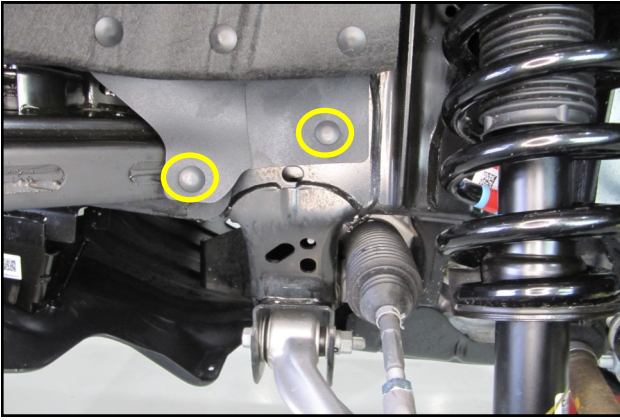


**39.** Connect the Light Bar harness

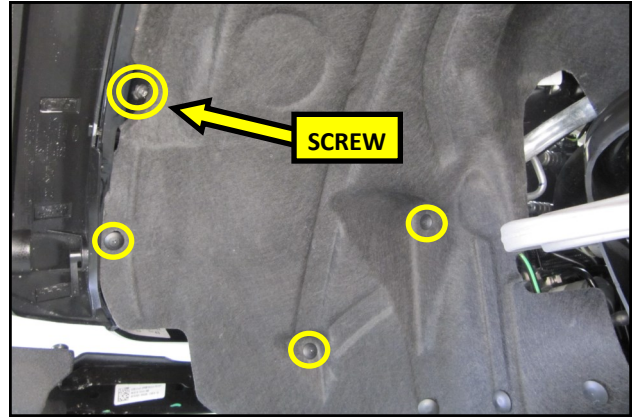


**40.** With the help of an assistant, carefully slide the Grille and Light assembly into the vehicle as shown. Check for any exposed harness, and tuck as needed. Press firmly at all tab locations to lock the grille in.

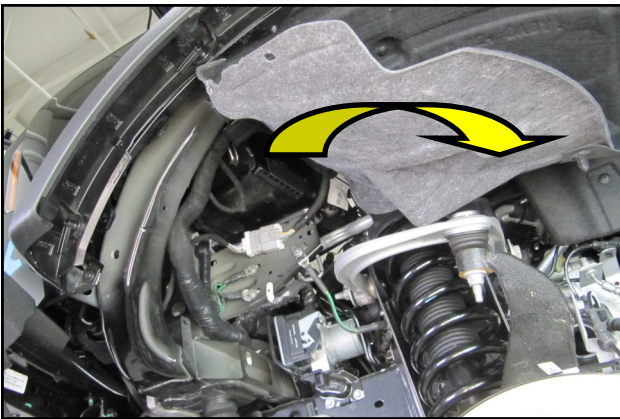




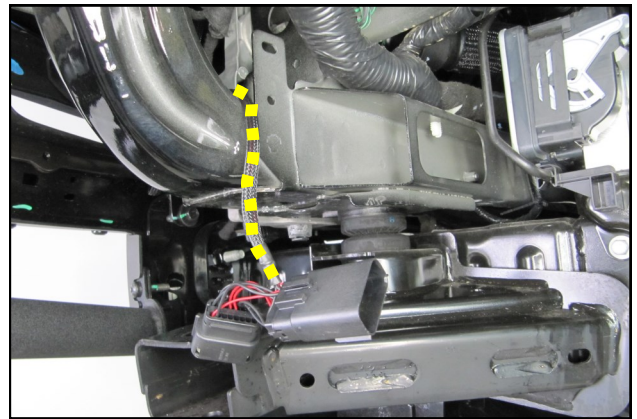
**41.** Using a panel clip removal tool or equivalent, pry the 2 fender liner fir tree anchors out of the frame.  
**NOTE:** The anchors do not to be removed from the liners.



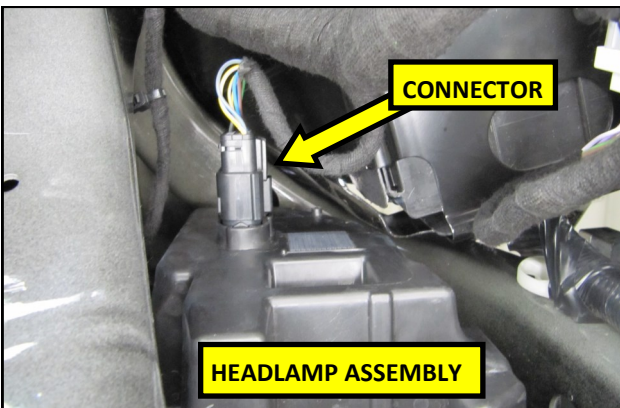
**42.** Using a #2 Phillips head screwdriver, remove the 3 plastic rivets and the first screw in the front of the fender liners.



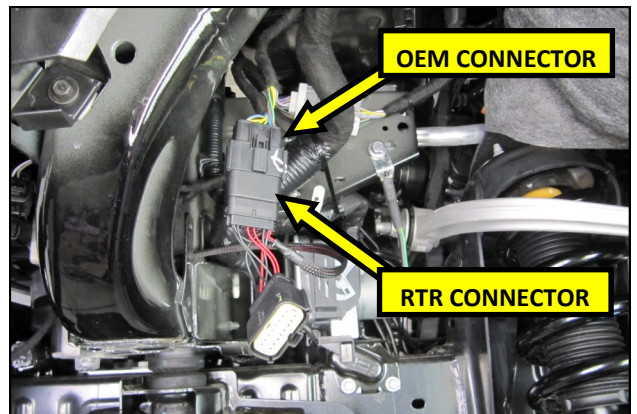
**43.** Pull the fender liners back and onto the control arms as shown.



**44.** Route the RTR Large Connector Harnesses, Left and Right, up and over the chassis and into the inner fender area.

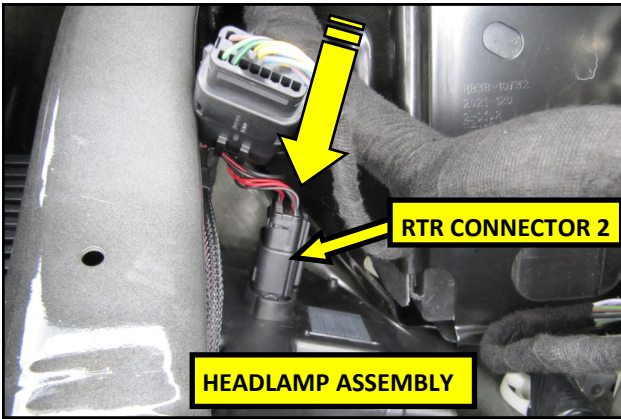


**45.** Locate and disconnect the head lamp connectors in the back of the Left and Right head lamp assemblies.

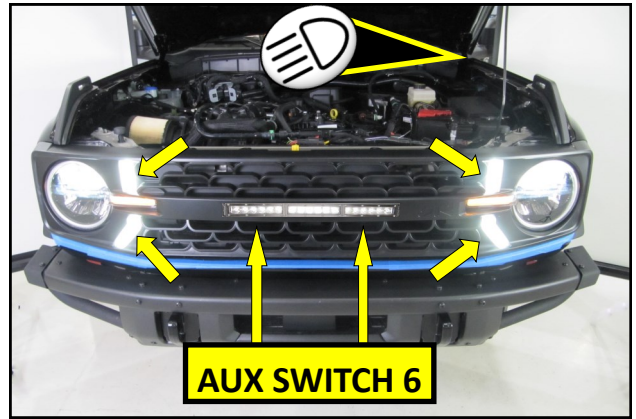


**46.** Connect the OEM headlamp connectors to corresponding Connectors in the RTR Harnesses.

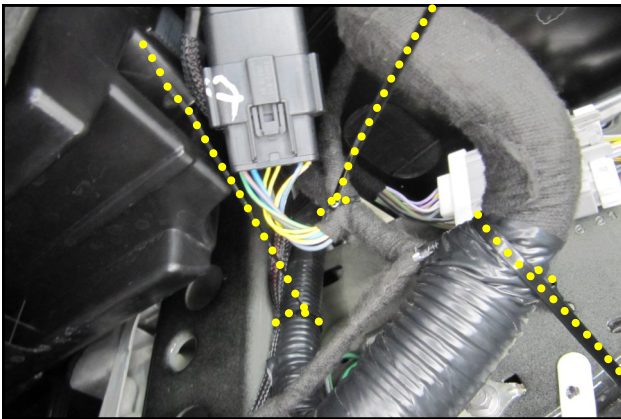




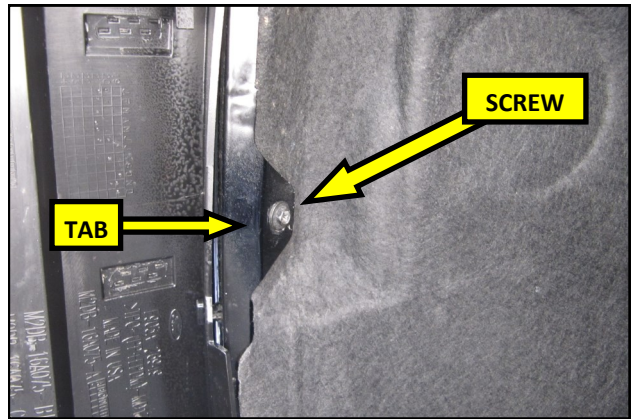
45. Connect the two remaining RTR Connectors to the headlamp assemblies.



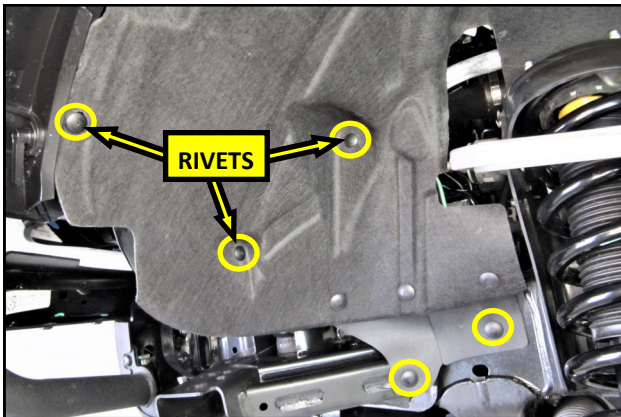
46. Perform a function check. Turn the headlights on and verify that all 4 RTR Lights and the OEM lights illuminate when energized. Turn the Number 6 Aux switch on to verify the functionality of the Light Bar. Remove the painters tape following a successful test. Mode descriptions and troubleshooting tips and can be found on page 10.



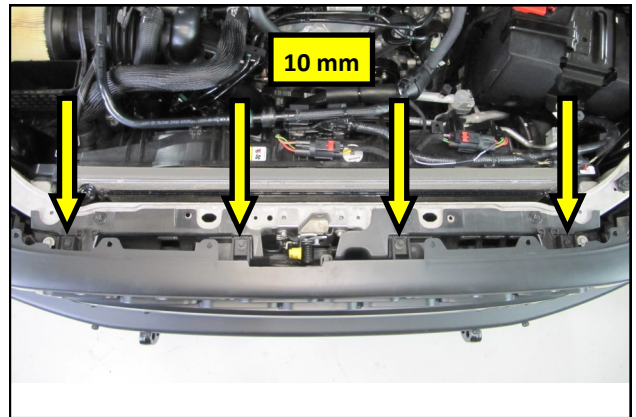
49. Secure the RTR Wiring to the OEM wiring as shown, using 3 of the supplied Cable Ties per side. Trim the Cable Tie excess when fully secure.



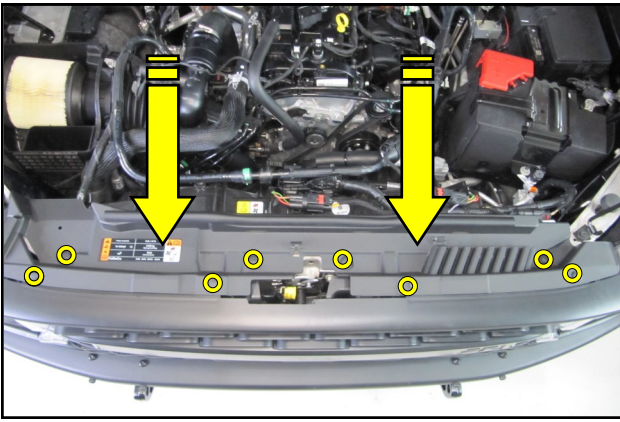
50. Unfold the fender liners and return them into position. Tuck the liners behind the fender tabs and reinstall the screws removed in step 42.



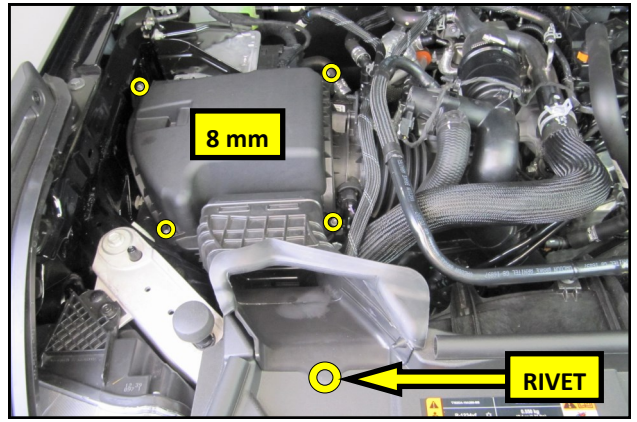
51. Reinstall the plastic rivets and fir tree anchors removed in steps 41. and 42.



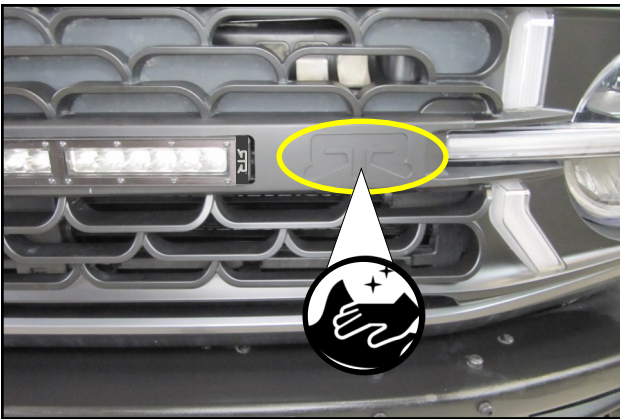
52. Using a 10 mm socket, reuse the 4 grille bolts that were removed in step 5. to secure the RTR Grille to the core support.



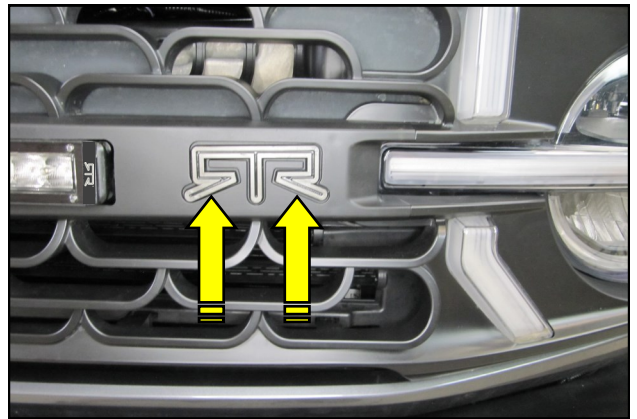
**53.** Reinstall the core support cover using the plastic rivets removed in step 3.



**54.** Reinstall the air box lid and tighten all 4 screws. Secure the inlet using the final rivet.



**55.** Clean the Badge recess on the Center Bar using isopropyl alcohol and a clean microfiber cloth.



**56.** Peel the tape backer from the back of the RTR Badge and mount the Badge onto the Grille. Press firmly for 30 seconds.

### Mode Description

- ◆ The RTR Grille Lights have 2 modes-High and Low. With the Parking lights on, they will be on High. With the headlights on, they will be automatically dimmed into Low. The Light Bar is controlled by Aux. switch number Six.

### Troubleshooting

- ◆ If lamps do not illuminate, unplug the connector, inspect the connector terminals, making sure they are straight, and reconnect.
- ◆ If there is still no function, make sure the light switch is turned to the parking or headlamp position. The lamps should be turned on any time the vehicle lights are illuminated.
- ◆ If LED Grille is illuminated, but headlamps are inoperable, confirm that the inline connector is connected on both sides, both to the factory harness and to the headlamp.

### Care

- ◆ Clean the lamps using a mild solution of car soap and water.
- ◆ Do not use any harsh solvents or cleaners.
- ◆ Wipe the lenses dry using a clean microfiber cloth.
- ◆ Do not use the high pressure hose setting at the car wash or a pressure washer to clean the Lights.