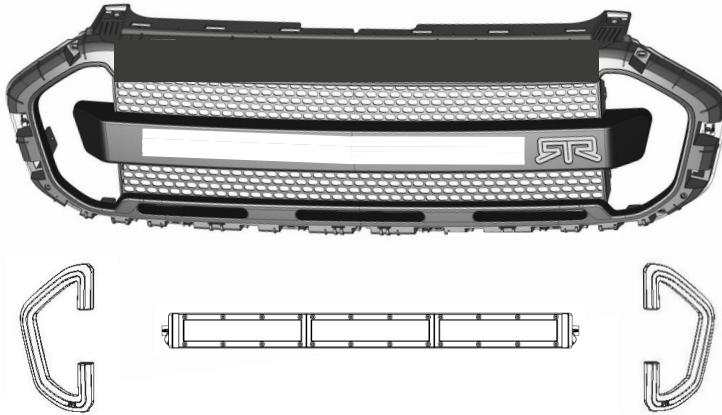




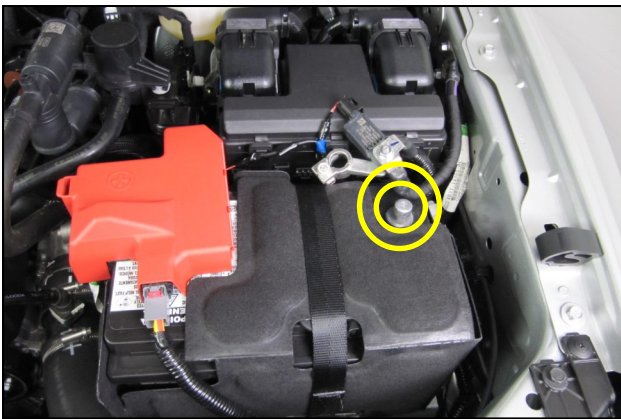
2019 Ford Ranger
RTR Upper Grille with Light bar
Part number: 1992-7002-01

Components Included

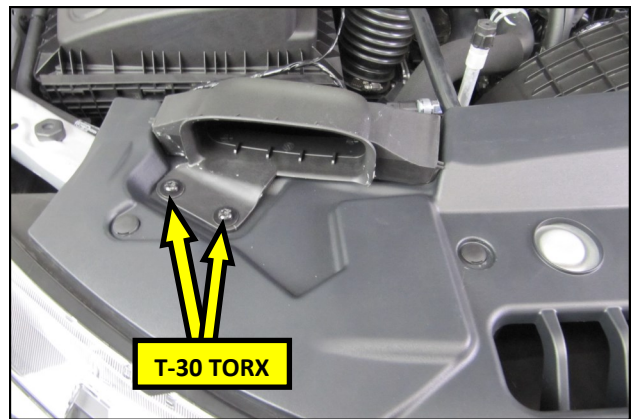
| | | |
|-----|--------------------------|----|
| 1. | RTR Grille | 1 |
| 2. | Grille Bezel | 1 |
| 3. | RTR Lighting kit | 1 |
| 4. | Truss head Screws | 10 |
| 5. | 6" Cable Ties | 10 |
| 6. | 12" Cable Ties | 20 |
| 7. | Hex Head Tek Screw | 1 |
| 8. | 18" Light Bar | 1 |
| 9. | Light Bar Bracket, Left | 1 |
| 10. | Light Bar Bracket, Right | 1 |
| 11. | Main Wire harness | 1 |
| 12. | Grille Badge | 1 |



NOTE: In addition to common hand tools, installation of this part will require the use of a body clip tool or equivalent, T-25 & T-30 sockets, painters tape, a wire coat hanger and isopropyl alcohol. This part does not fit the Wildtrack Ranger



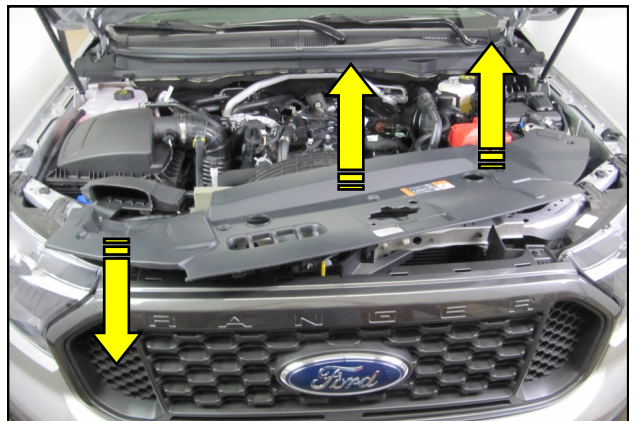
1. Raise the vehicle hood and disconnect the negative terminal on the battery.



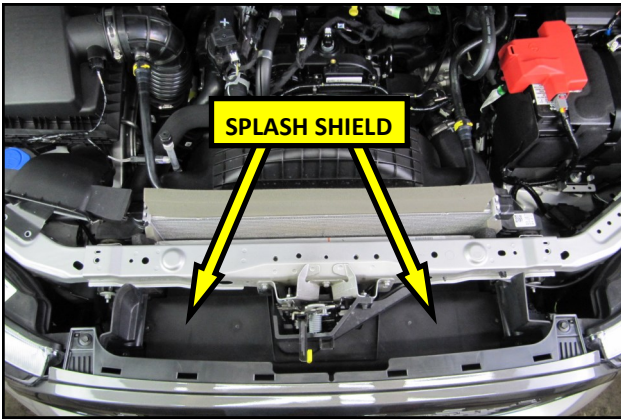
2. Using a T-30 Torx bit, remove the airbox inlet screws and set them aside.



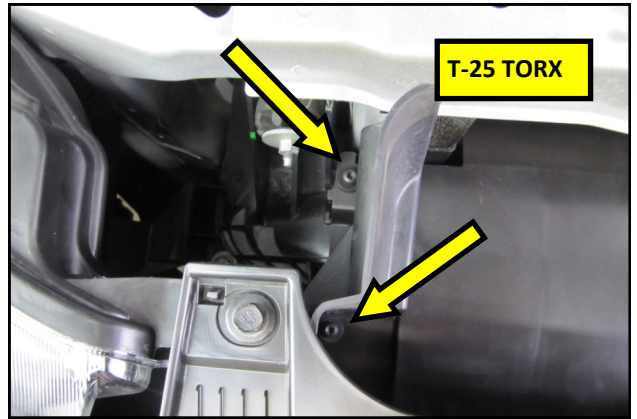
3. Remove the 5 plastic rivets in the core support cover.



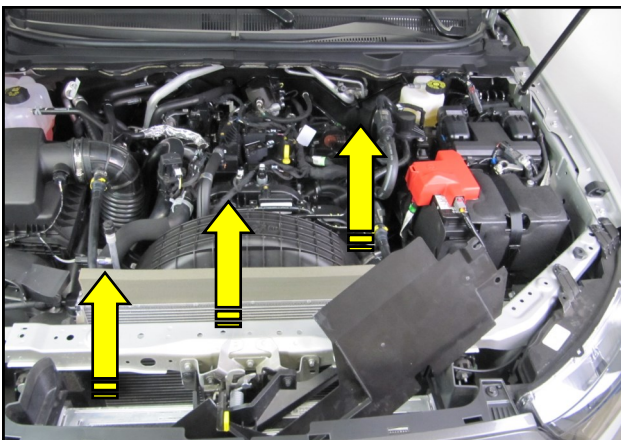
4. Pull upward forcefully on the core support cover to unseat it from the retention clips. Slide the cover out from underneath the airbox inlet and set it aside.



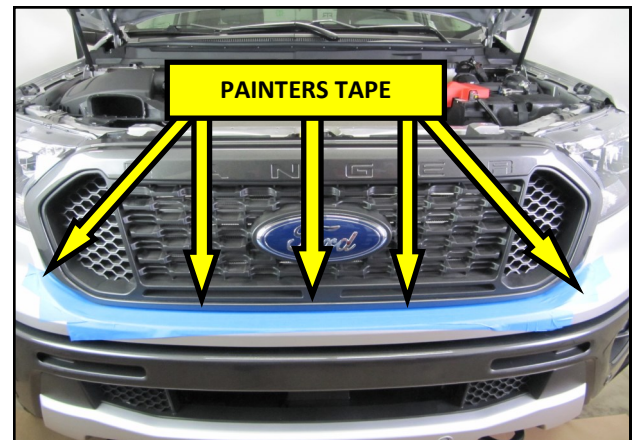
5. Remove the splash shield between the grille and the core support.



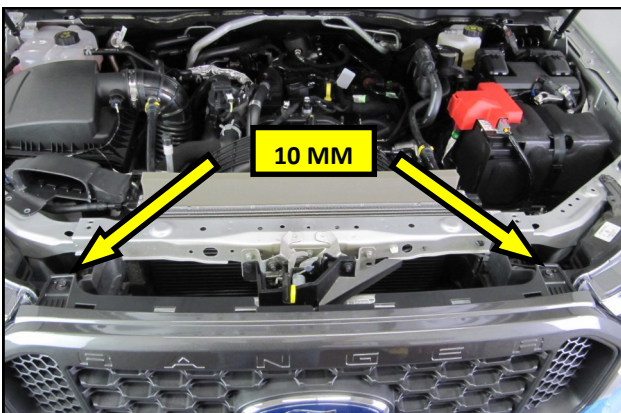
6. Using a T-25 Torx bit, remove the two screws on each side of the splash shield.



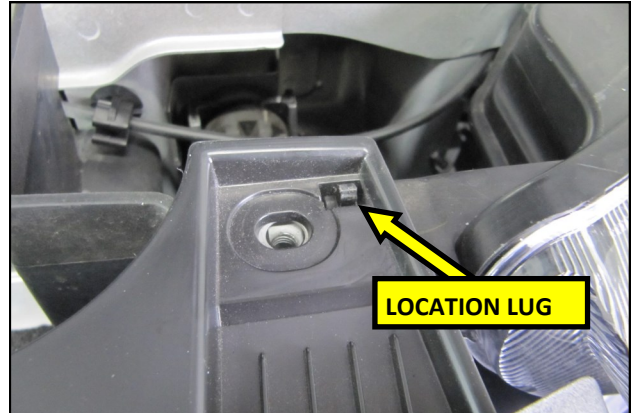
7. Push the front of the shield downward and pull the rear of the shield upward, and out of the vehicle.



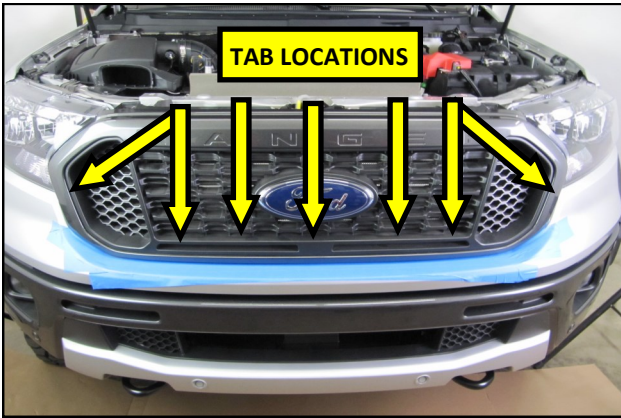
8. Prepare the vehicle for grille removal by placing a protective layer of painters tape on the bumper cover, as shown.



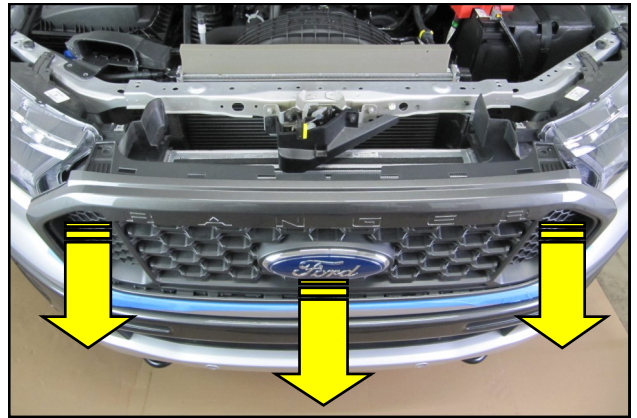
9. Remove the two bolts from each side of the OEM grille and set them aside.



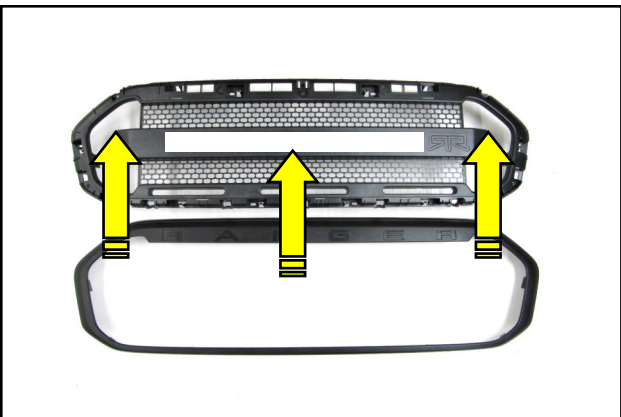
10. With the grille bolts removed, lift up on the grille tabs and pull the grille slightly forward to clear the location lugs.



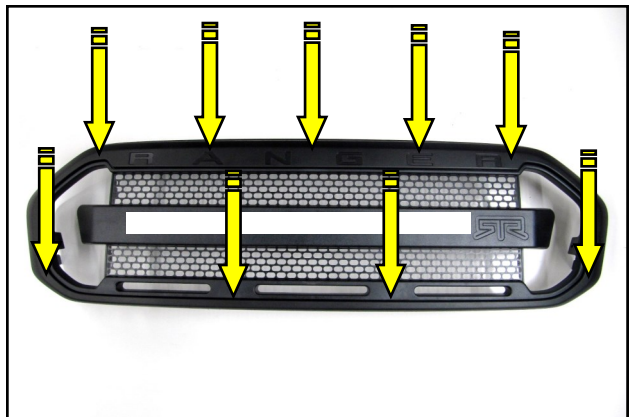
11. From behind the grille, depress the seven locking tabs securing the grille to the bumper cover.



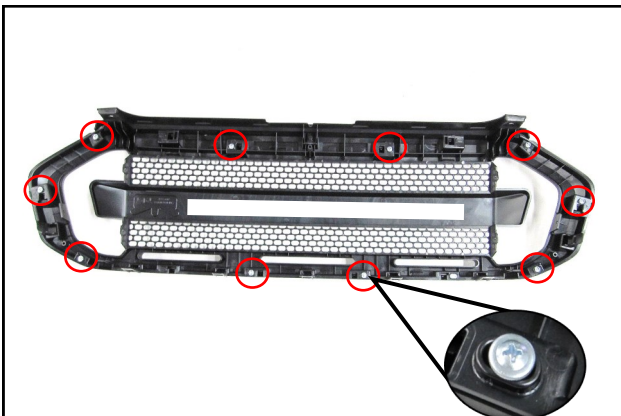
12. Pull the grille forward, away from, and out of the vehicle.



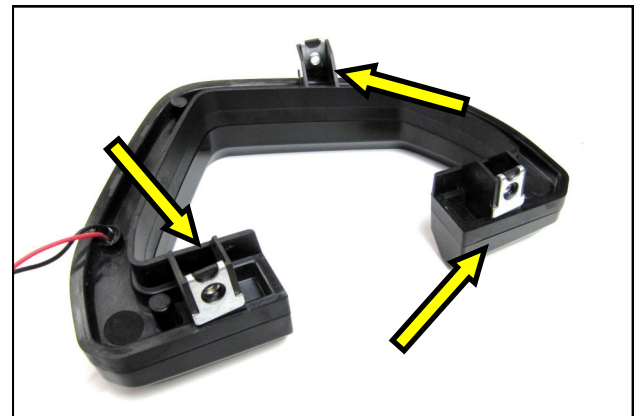
13. Set the RTR bezel onto the RTR grille and align the mounting tabs and slots.



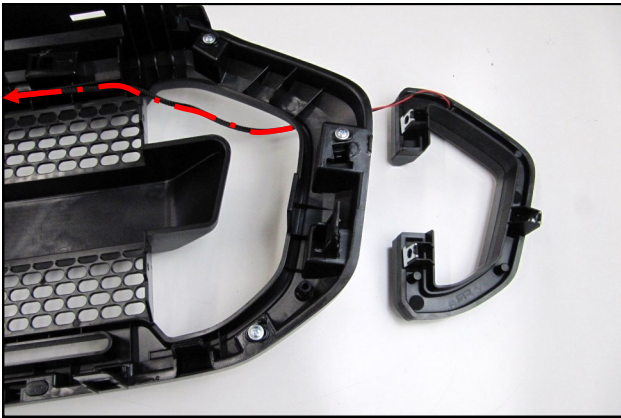
14. Press firmly onto the bezel to seat the tabs in all of the grille slots.



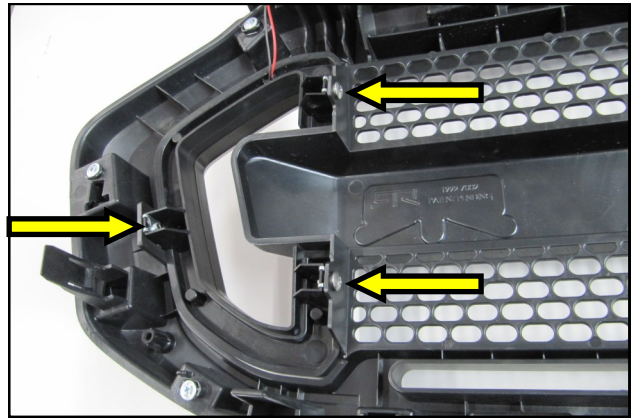
15. Use the 10 supplied screws to finish creating the grille and bezel assembly. RTR recommends installing these by hand. Do not over tighten the screws.



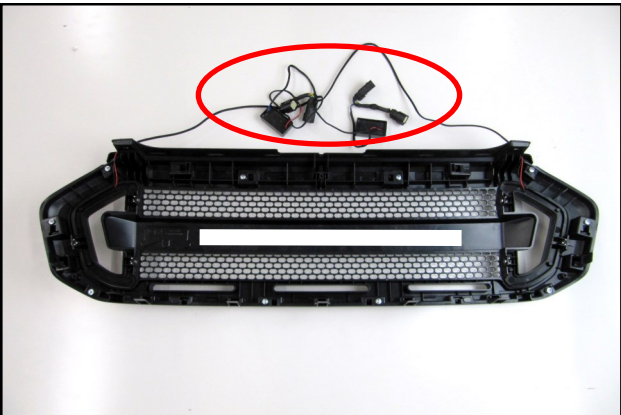
16. Install the speed nuts onto the LEDs or Inserts as shown, with the flat side facing outward and the threads facing inward.



17. Route the wiring harness through the front of the Grille and insert the LED or Insert into the RTR grille. The LEDs and Inserts are side specific and are marked accordingly on the back side.



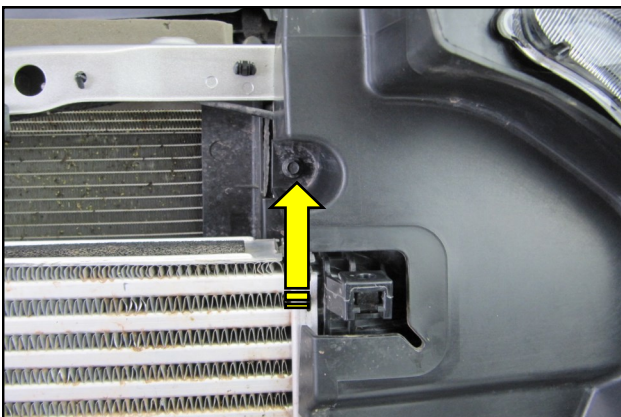
18. Align the speed nuts with the holes in the grille and secure the LED or Insert using the 5mm screws and flat washers.



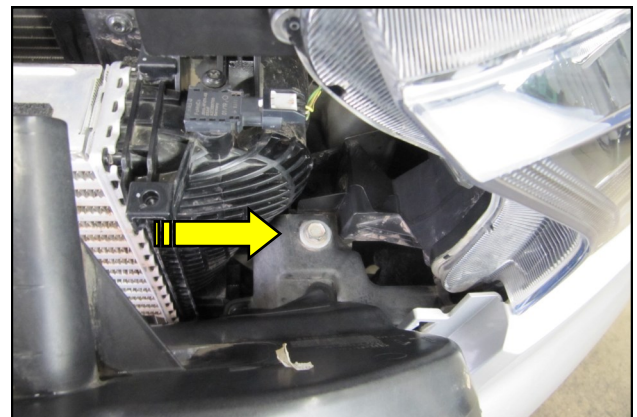
19. Install the second LED or Insert into the grille and lay the wiring harnesses up and away from the grille as shown.



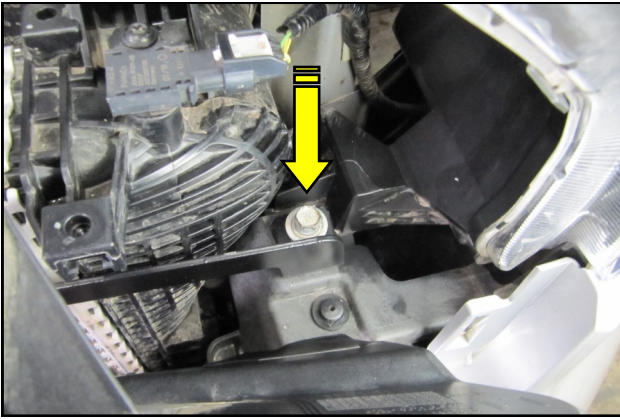
20. Light Bar identification: There are side specific brackets for the light Bar.



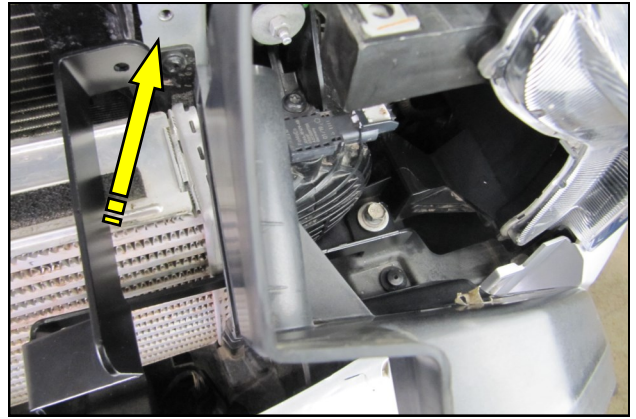
21. Remove the 6mm shroud screws on both sides of the intercooler and set them aside.



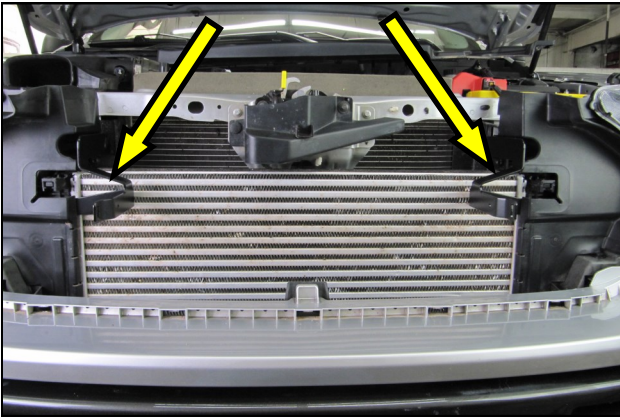
22. Remove the 8mm screws on both sides of the intercooler and set them aside.



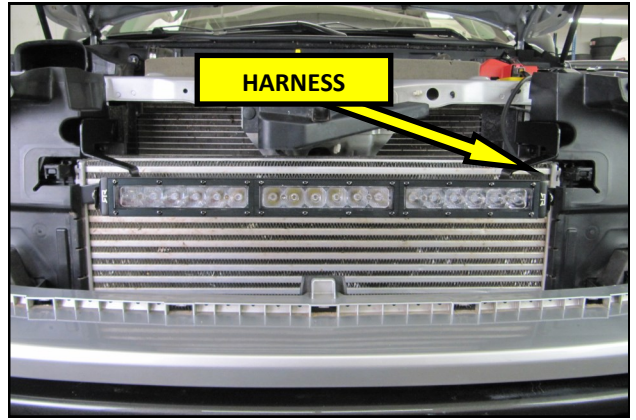
23. Install the brackets as shown using the bolts removed in step 22.



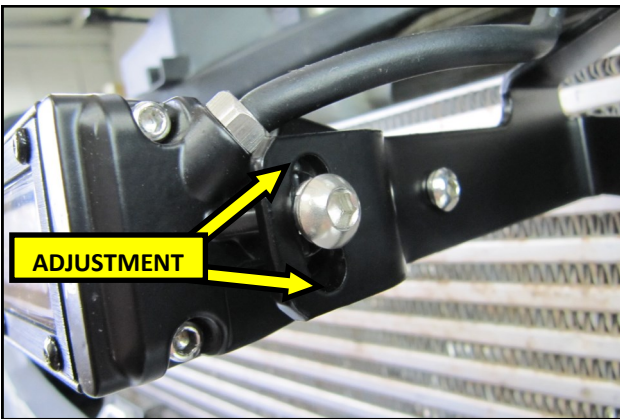
24. Using the small bolts removed in step 21, complete the bracket installations.



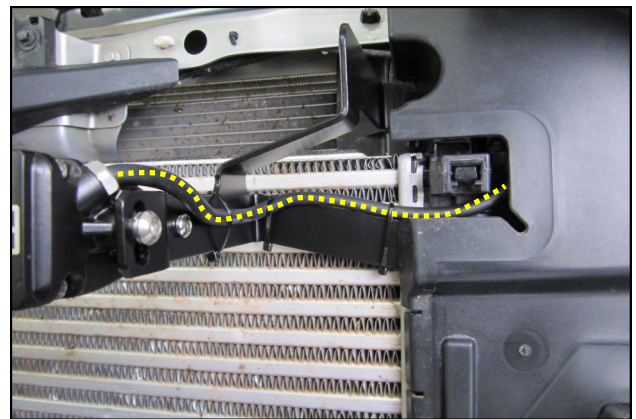
25. Properly installed Light Bar brackets.



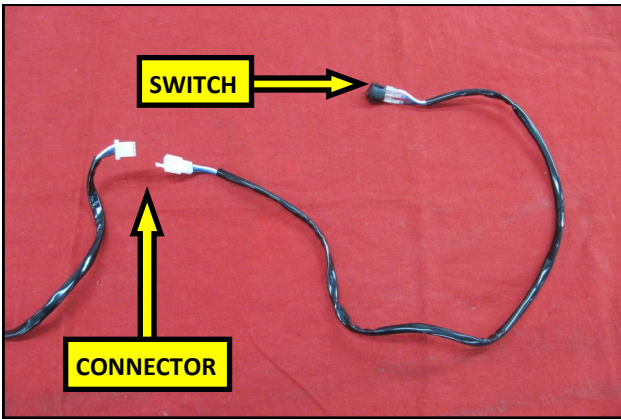
27. Slide the light bar in between the brackets as shown, with the wiring harness on top and on the Drivers side.



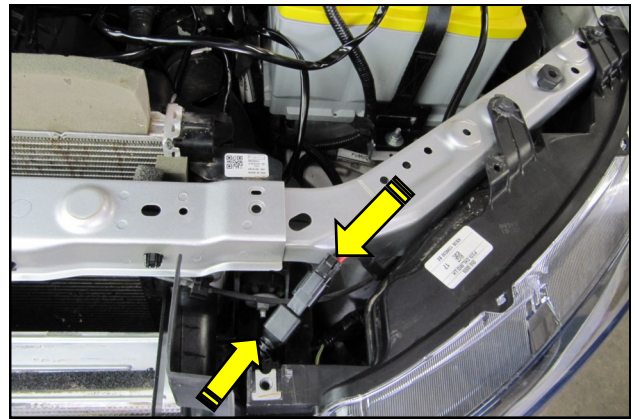
26. Position the light bar in the neutral adjustment position and secure it using the provided hardware.



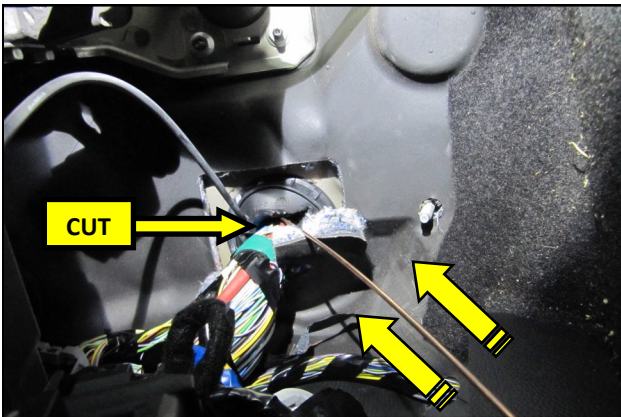
28. Route the harness as shown, beside the intercooler and up, towards the headlight. Secure the harness to the bracket using the six inch cable ties



29. Separate the Main Harness at the connector and set the switch section aside.



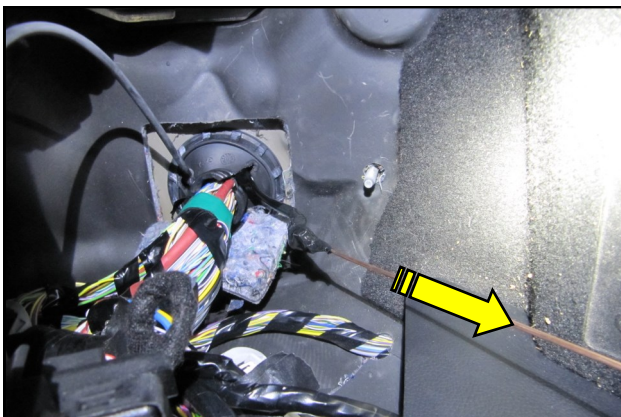
30. Route the Main Harness behind the head light and connect it to the Light Bar Harness as shown.



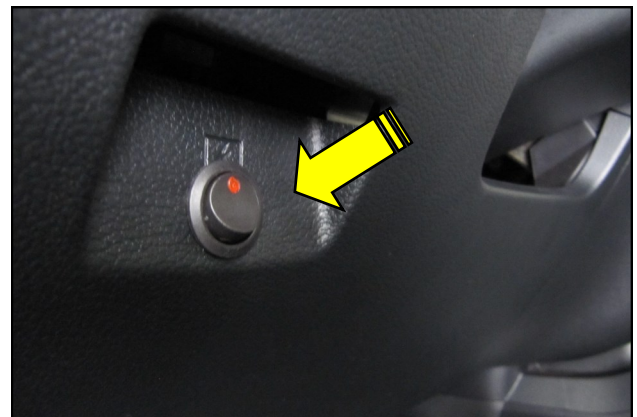
31. Locate the firewall grommet in the driver side foot well and carefully cut an opening in the grommet. Insert the wire hanger into the grommet and guide it up towards the master cylinder.



32. Route the connector side of the main harness along the fender towards the firewall. Bend the hanger over the harness as shown. **HINT:** Wrapping the connector and wire with electrical tape will allow the connector to pass through the grommet with greater ease.



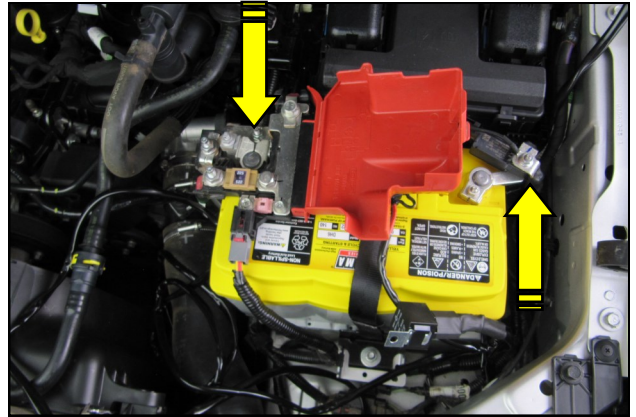
33. Carefully pull the wire and Harness through the grommet and into the foot well area.



34. Drill a .75 in. hole in the recessed area of the fuse box access panel. Route the switch harness through the hole and insert the switch.



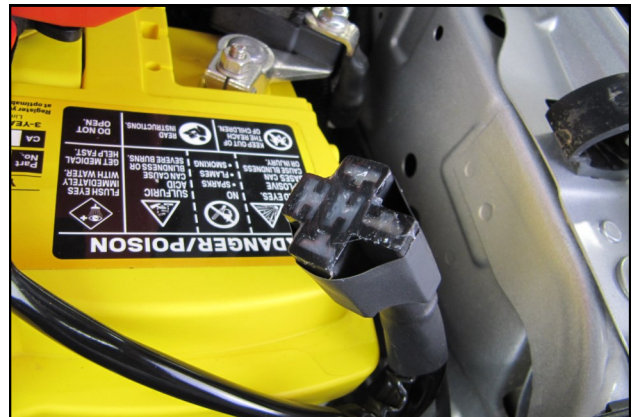
35. Connect the switch harness to the main harness.



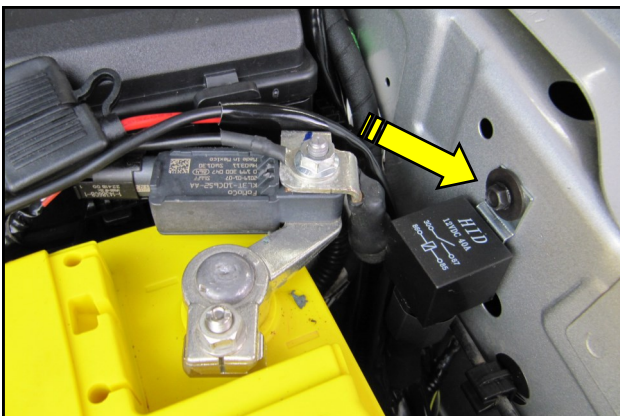
36. Connect the main harness to the battery terminals.



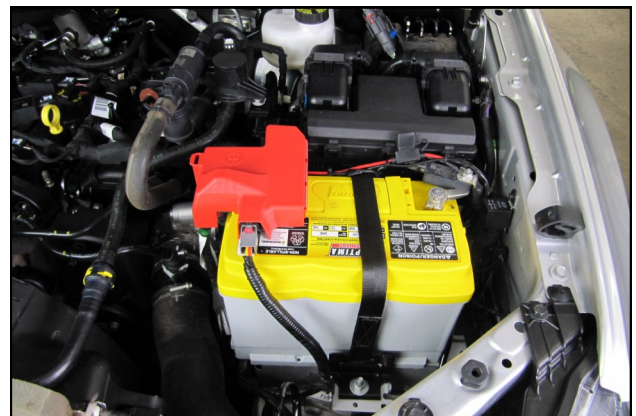
37. Do a function check of the light bar.



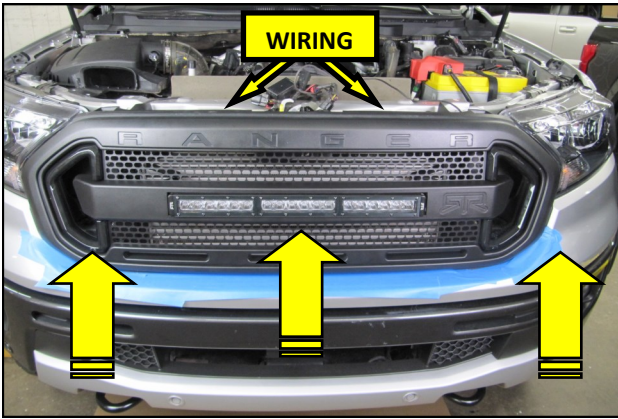
38. Remove the relay from the socket and use the supplied dielectric grease to seal the relay socket.



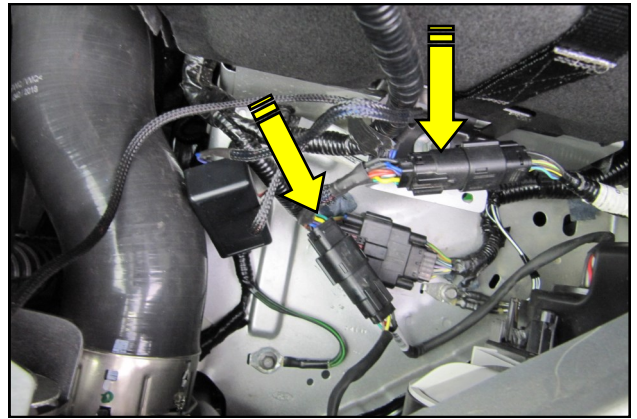
39. Reinstall the relay and mount it to the inner fender as shown, using the supplied Teck screw.



40. Secure the light bar wiring harness using the supplied 12" cable ties.



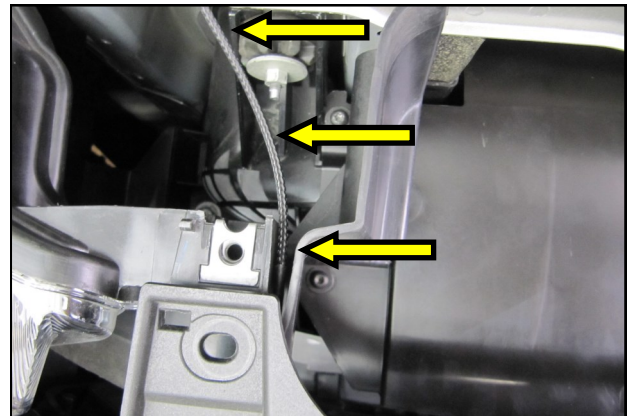
41. Carefully slide the grille and light assembly into the vehicle as shown, with the wiring on top of the core support. Press firmly at all tab locations to lock the grille in.



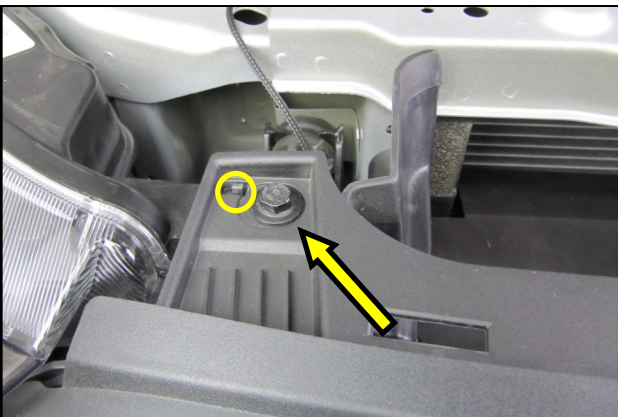
42. Disconnect the head lamp. Connect the OEM head lamp harness to the RTR LED harness. Connect the second RTR connector to the head lamp assembly.



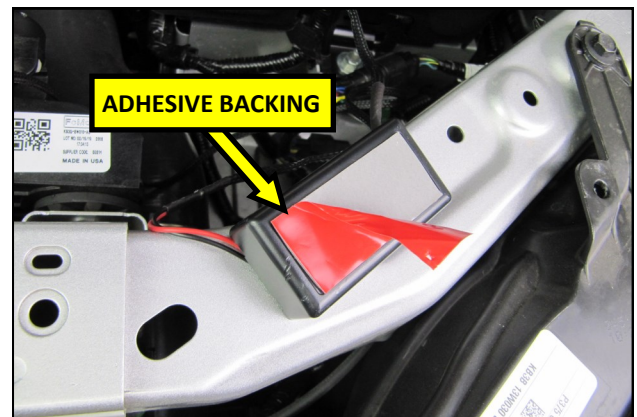
43. Perform a function check of the Grille Lighting. The RTR Grille Lights are triggered off of the parking lamp circuit. The LEDs will be illuminated when the parking lights or head lights are on.



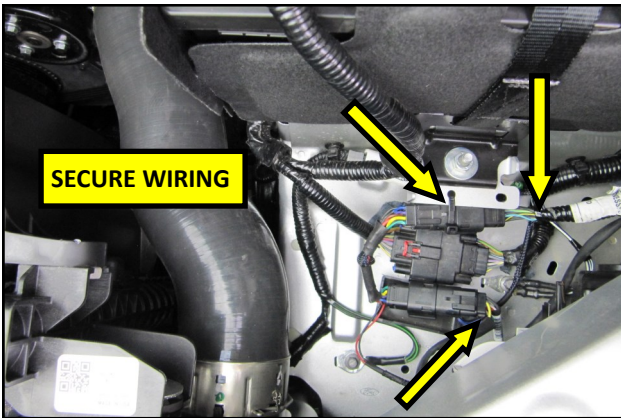
44. Once LED functionality has been confirmed, begin to neatly route the wiring harness as shown. If functionality can not be confirmed, see Troubleshooting on page 10.



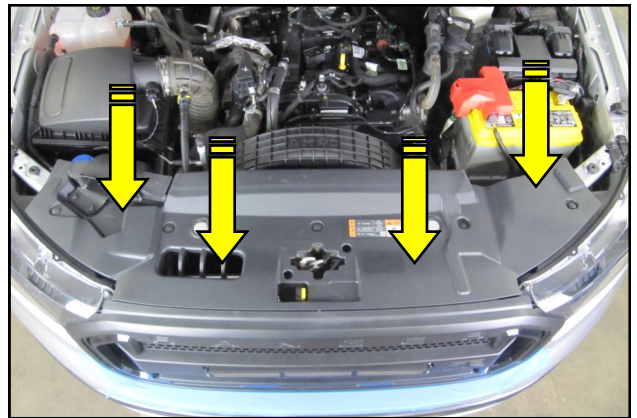
45. Slide the grille tabs over the location lugs and secure the grille using the hardware removed in step 9.



46. Find a suitable location for the LED Drivers. Thoroughly clean the location with a clean towel and Iso-propyl Alcohol. Peel off the adhesive backing and mount the drivers.



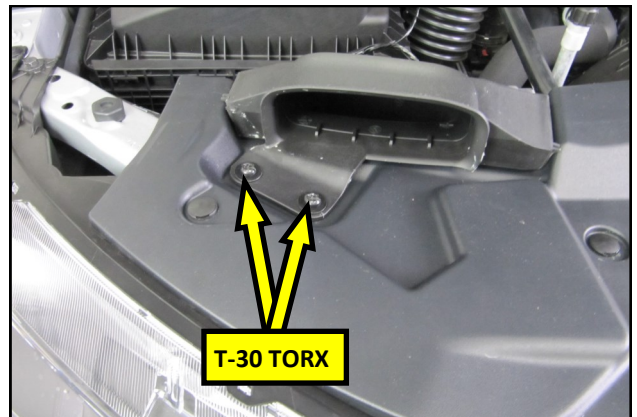
47. Finish routing the LED wiring and secure it using the supplied 6" cable ties.



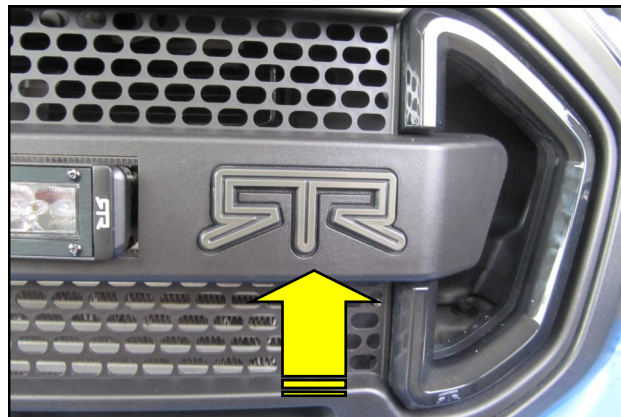
48. Return the core support cover to the vehicle and push the tabs into the clips.



49. Secure cover using the 5 plastic rivets removed in step 3.



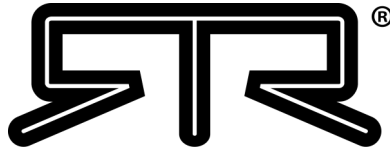
50. Secure the air box inlet using the hardware removed in step 2.



51. Clean the badge recess on the RTR grille using isopropyl alcohol and mount the badge onto the Grille.



52. Remove the painters tape from the vehicle. Installation is now complete.



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 your truck's 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.
- ◆ If you observe condensation in the lamps, keep vehicle in a dry location for 1-2 days to allow the internal pressure of the lamp to equalize. If condensation does not disappear, or moisture persists, contact RTR Vehicles.

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 hi pressure hose setting at the car wash or a pressure washer to clean the Lights.

Customer Support: 1 (866) 839-7444

Customer Support Hours: Mon - Fri, 9:00 AM EST - 4:00 PM EST