



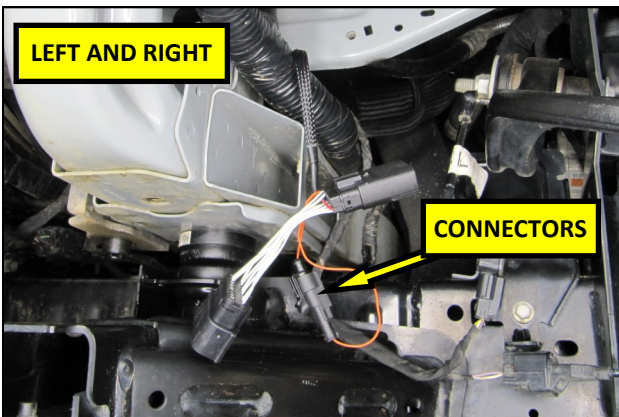
## 2021+ Ford Bronco RTR Grille Lights and Wiring Supplement



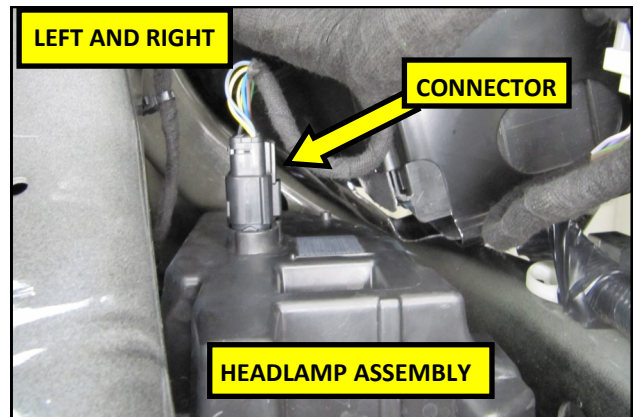
### Component Identification

- |    |                              |   |
|----|------------------------------|---|
| 1. | Gen II Grille Light Harness  | 2 |
| 2. | Auxiliary Harness (Optional) | 1 |

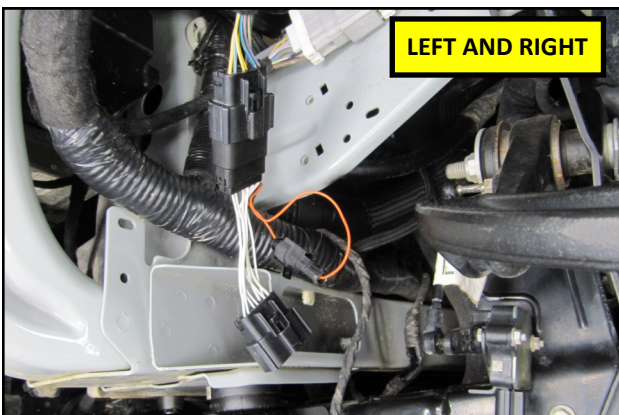
**NOTE-** The RTR Grille Light wiring has been updated to offer mode options. There are two primary modes of Grille Light operation. **Mode One-** Illumination with the head lights or parking lights on, and **Mode TWO-** Illumination with ignition on (at all times). **Mode ONE** is a non invasive plug and play type install while **Mode TWO** requires a slight modification of the under hood fuse box. Please read this instruction supplement in its entirety to determine which option best suits you or the customer.



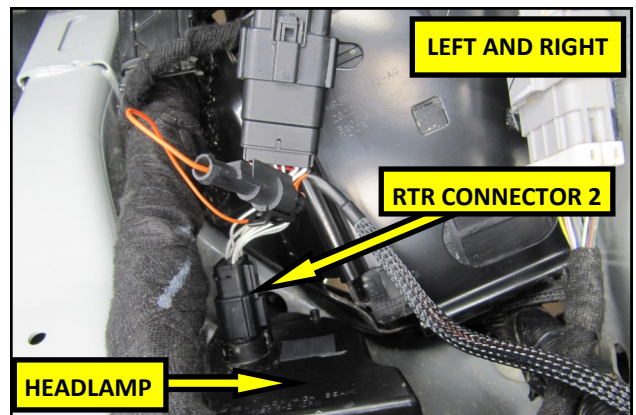
**MODE ONE- 1.** Route the RTR Large Connector Harnesses, Left and Right, up and over the chassis and into the inner fender area. Connect the two Orange wires together.



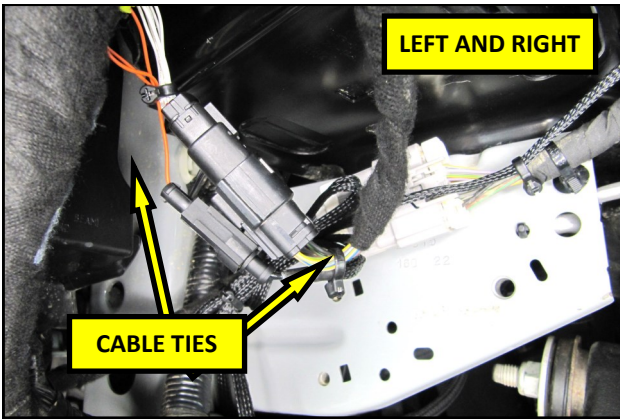
**2.** Locate and disconnect the head lamp connectors in the back of the Left and Right head lamp assemblies.



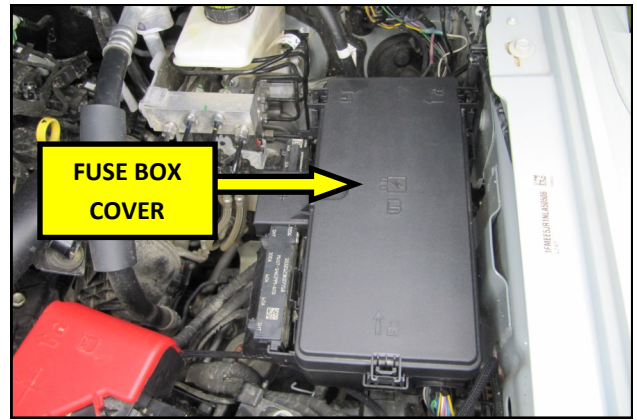
**3.** Connect the OEM headlamp connectors to corresponding Connectors in the RTR Harnesses.



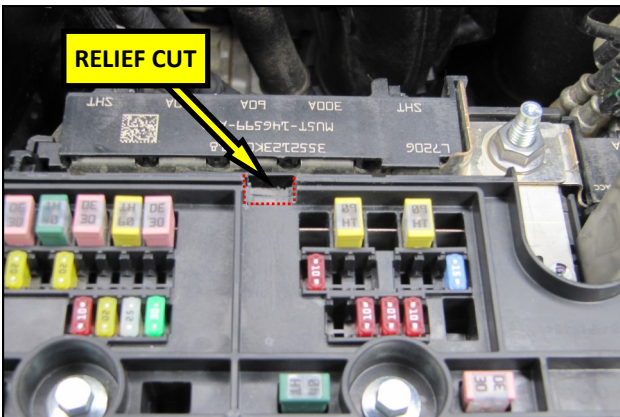
**4.** Connect the two remaining RTR Connectors to the headlamp assemblies.



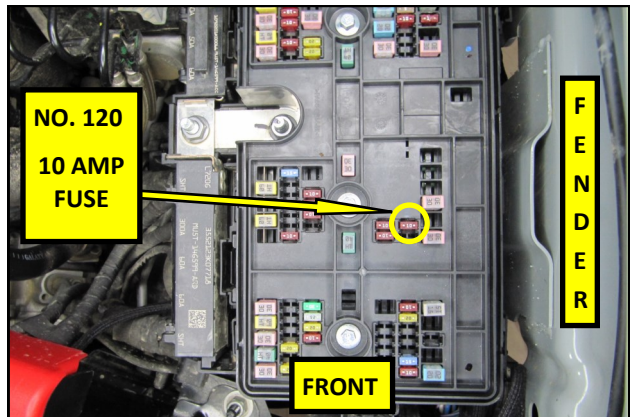
5. Secure the RTR Connectors using cable ties. Continue the installation according to the instructions for your particular RTR Grille Variant.



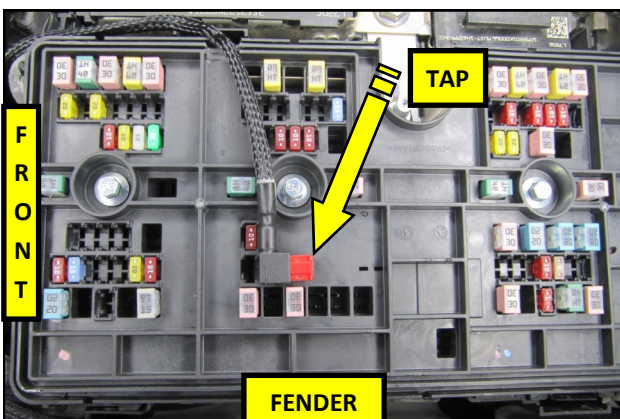
MODE TWO- 1. Remove the under hood fuse box cover and set it aside.



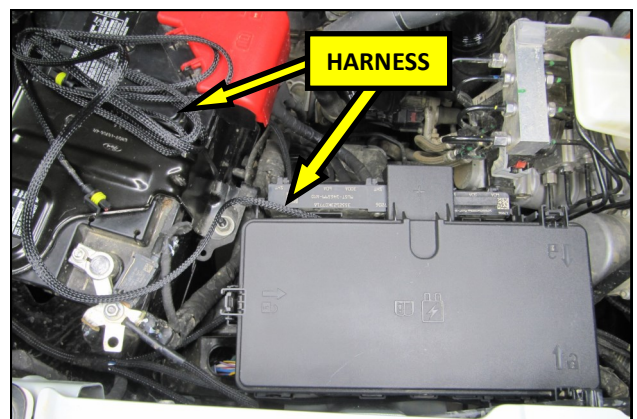
2. Using a pair of flush cut pliers or similar, cut 2, 1/4" wide reliefs into the fuse box walls for the RTR wiring.



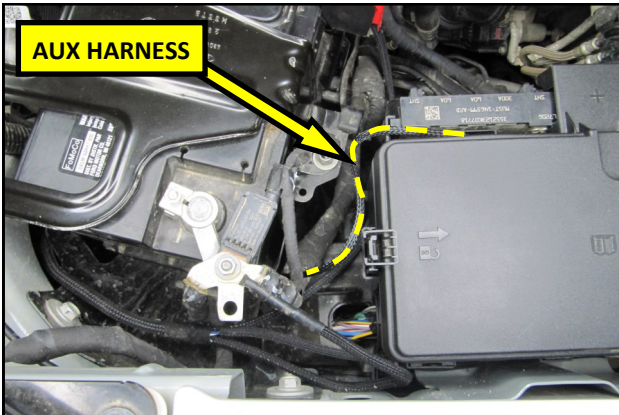
3. Remove the number 120, 10 amp fuse from the fuse box. Retain this fuse as a spare.



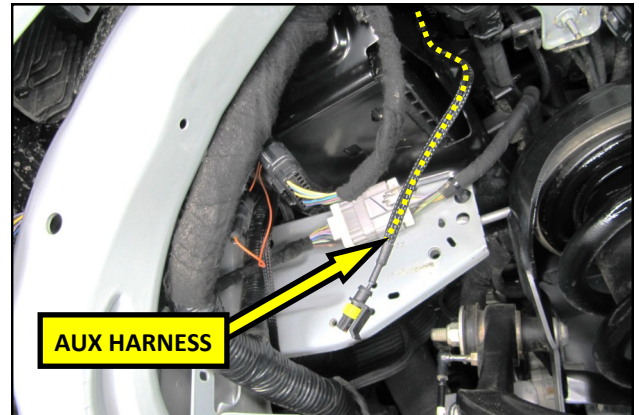
4. Route the Auxiliary Wiring Harness into the fuse box and insert the fuse tap into the number 120 location from step 3.



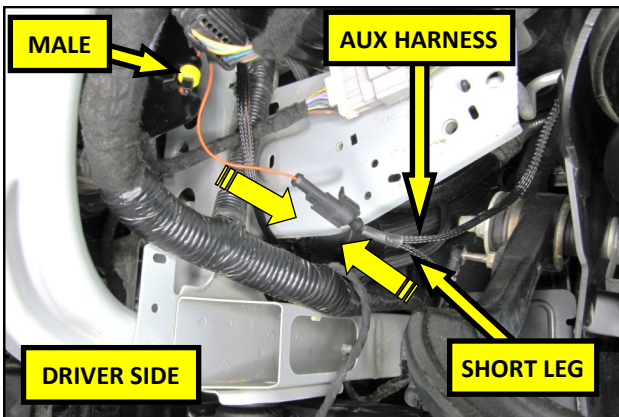
5. Reinstall the fuse box cover over the RTR wiring Harness.



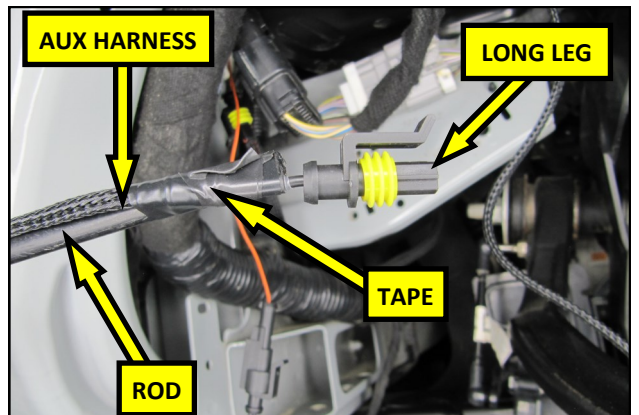
6. Route harness down towards driver side headlight.



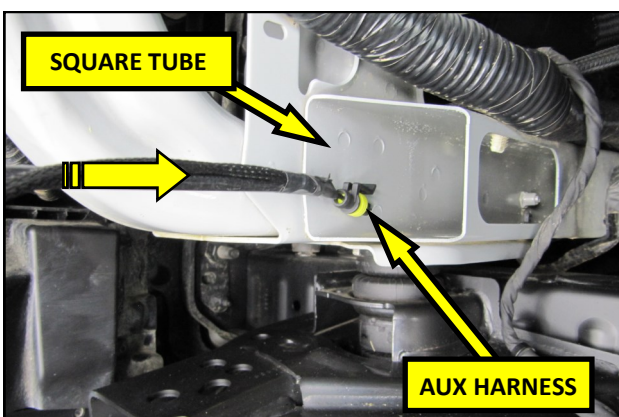
7. Remove the under hood fuse box cover.



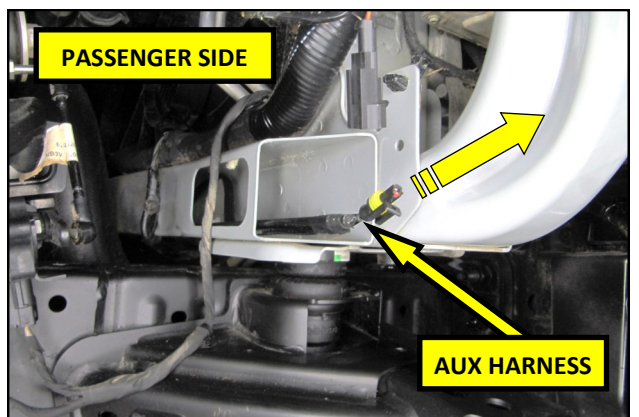
8. Connect the Short leg of the Auxiliary Harness to the Female connector on the Grille Light Harness. Disregard the Male connector on the Grille Light Harness. It will not be used.



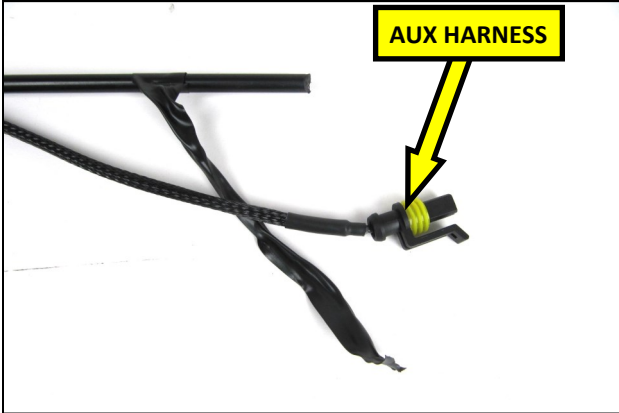
9. Tape the end of the Long leg of the Aux Harness to a welding rod, or similar.



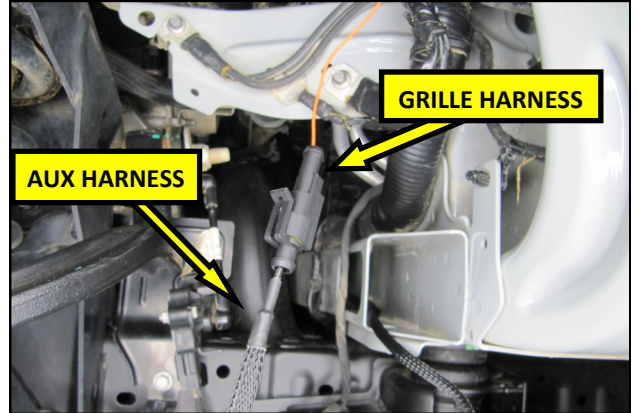
10. Feed the Long leg of the Aux Harness through the Square tubing behind the crossmember.



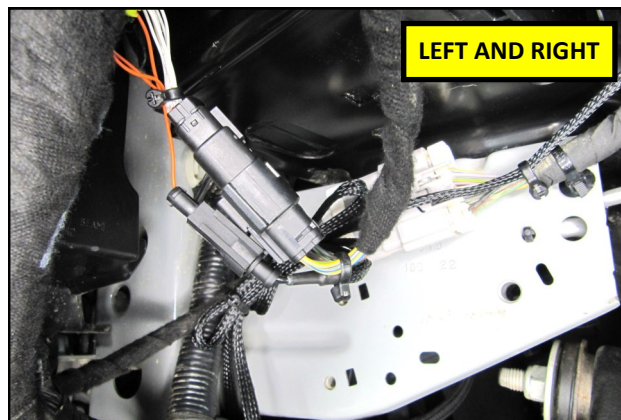
11. Retrieve the Long leg of the Aux Harness from the square tube in the passenger side inner fender.



**12.** Untape the Aux Harness from the welding rod.



**13.** Connect the Long leg of the Auxiliary Harness to the Female connector on the Grille Light Harness. Disregard the Male connector on the Grille Light Harness. It



**14.** Secure the RTR Connectors using cable ties. Continue the installation according to the instructions for your particular RTR Grille Variant.