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*The Scientists of Lighting*

44-7849, 44-7855 GMC, 2500 & 3500 (20-On), FPK Kit Instructions



### Tools Required

- \* Trim Removal Tool Or Flat Head Screw Driver
- \* Zip Tie Cutters
- \* T-15 Torx Bit
- \* 7mm, 10mm, 7/16", 13mm, 15mm, 18mm socket

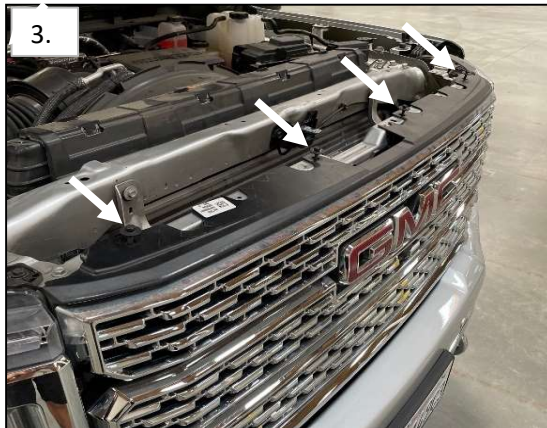
1. Using a T-15 Torx Bit, remove the 2x fasteners securing the hood latch handle.



2. Using a trim removal tool or flat head screw driver, remove the 10x push pins securing the top radiator shroud.



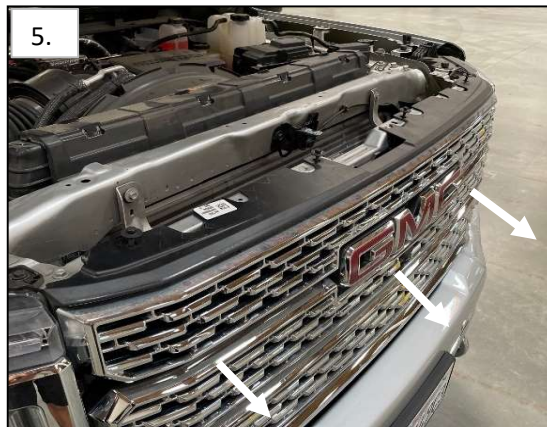
3. Using a 10mm socket, remove the 4x fasteners securing the top of the grille.



4. Gently pull on the bumper cover's to release the self locking tabs. Look behind the cover to see a second locking tab on the side. Using needle nose pliers, collapse the locking tab to release the bumper cover further. This will help with re-installing the grille.



5. Gently pull on the grill in the areas shown to release the self locking tabs. Before removing the grill completely, un-plug the front facing camera (if-equipped).



6. Un-plug the front bumper's main connector located on the passenger side. Next un-plug the block heater connector (if equipped) located on the driver side.



7. Using a 18mm socket, remove the 4x bolts securing the front bumper.



8. Located on the bottom side of the bumper, using a 15mm socket, remove the 2x bolts securing the bumper support brackets.



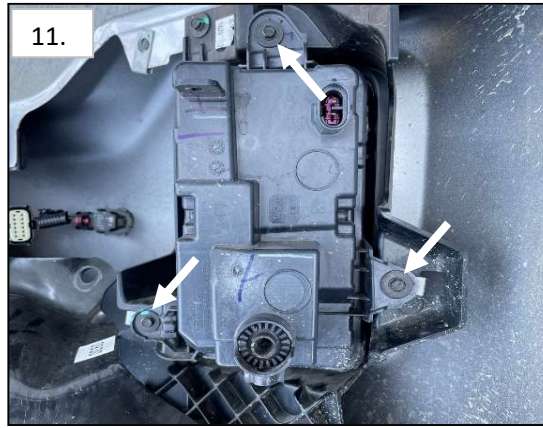
9. Using a 13mm & 7mm socket, remove the 8x bolts securing the inner bumper brace.



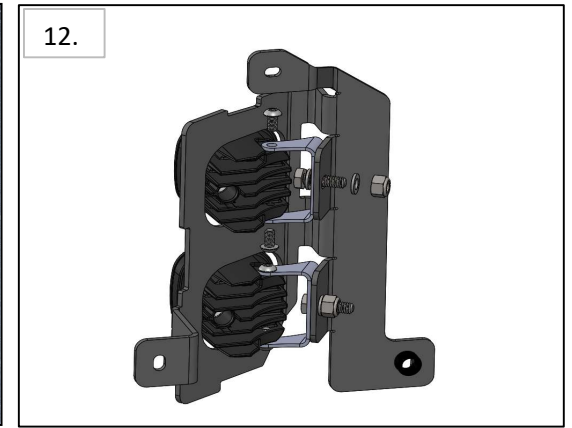
10. Unplug the OEM light connector. On the driver side, unhook the reusable wire clasps securing the block heater wire.



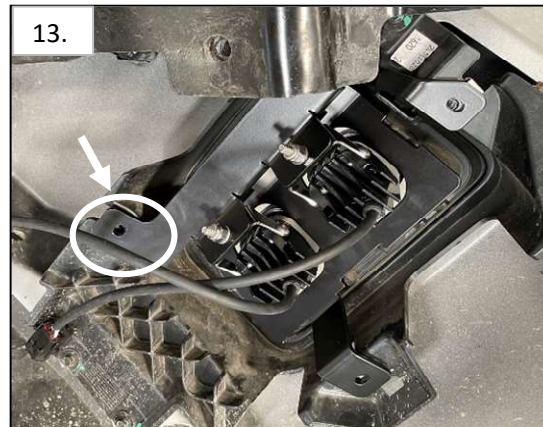
11. Set the inner bumper brace to the side, using a 7mm socket, remove the 3x bolts securing the fog light.



12. Install the S1 lights onto the brackets as shown.

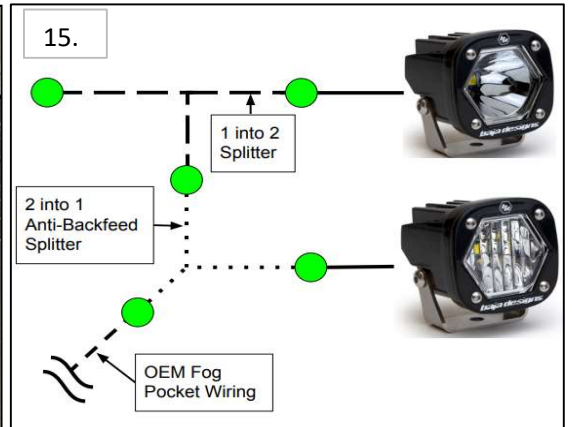


13. Lay the bracket down onto the bumper. Install the supplied spacer in-between the bracket and bumper for the mount shown. Fasten down with the OEM hardware.

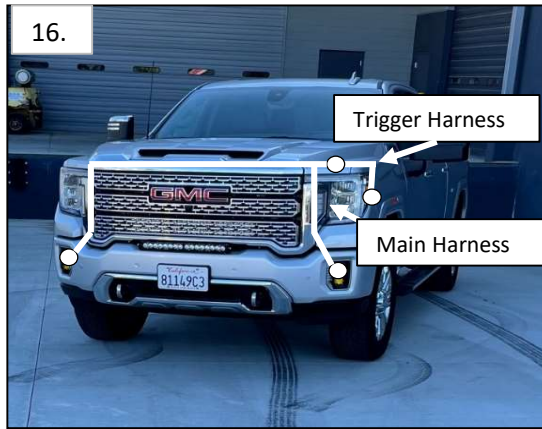


14. Repeat steps 9-13 for the opposite side.

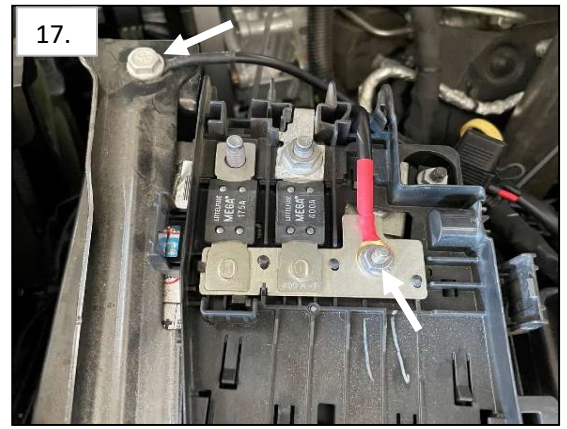
15. Using the supplied wire splitters and adapters, plug in the lights as shown in the configuration.



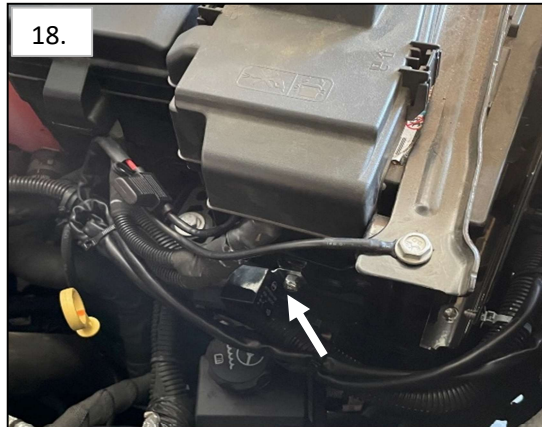
**16.** Once wired, re-install the inner bumper support braces and re-install the bumper. Route the supplied harness from the battery down behind the headlights to the connectors for the fog lights.



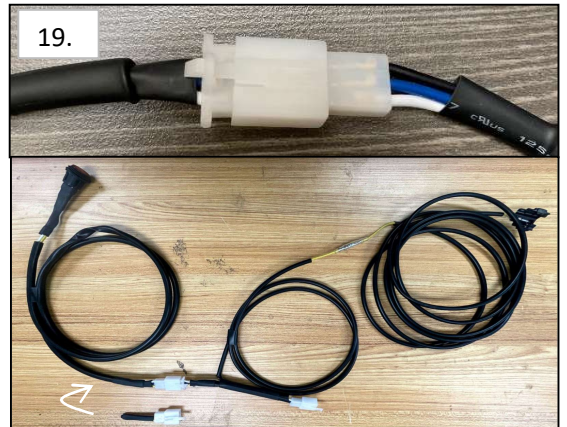
**17.** Using a 10mm & 13mm socket, mount the power ring terminal to the battery as shown. Mount the ground to the battery cradle.



**18.** Located on the side of the battery cradle is a flange with a 1/4" hole. Using a 7/16" wrench and socket, use the supplied hardware to mount the relay.



**19.** Remove the toggle switch from the main harness and the trigger harness. Replace the toggle switch on the trigger harness with the supplied jumper plug. Plug the trigger harness into the main harness.



**20.** Using a T-15, remove the 6x torx bolts securing the fender liner on the driver side.



**21.** Remove the lower plug connected to the headlight.



**22.** Route the clasp connector lead on the trigger harness to the back of the passenger or driver side head light. Place the clasp connector over the white wire. This wire is pinned to the top left location (red locking tab facing up)



**23.** Once completed, reassemble the grille & fender liner then test the lights. The OEM Fog switch will control the bottom fog light and the high beams will trigger all fog lights to turn on.

