

DIODE DYNAMICS

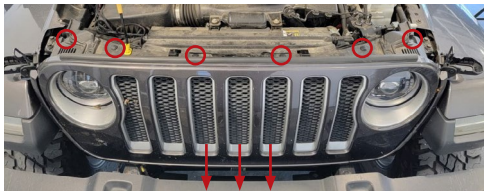
PERFORMANCE LIGHTING TECHNOLOGY

Jeep JL Wrangler/Gladiator Elite Headlight Installation Guide

Thank you for your purchase of our new Elite Headlights for your 2018+ Jeep JL Wrangler or 2020+ Gladiator! Designed for maximum performance, these headlights will add a switchback turn signal, welcome sequence, brighter DRL halos with selectable color, and optional offroad lighting and show mode. Basic installation instructions are included below.

Please contact us if you have any questions.

Tools Needed: Ratchet, socket extension, 10mm socket, plastic trim removal tool, wire crimper



1. Pop the hood and remove the six push rivets securing the grille to the vehicle using a plastic trim removal tool. Then remove the grille by grabbing the bottom and applying force, pull outward.



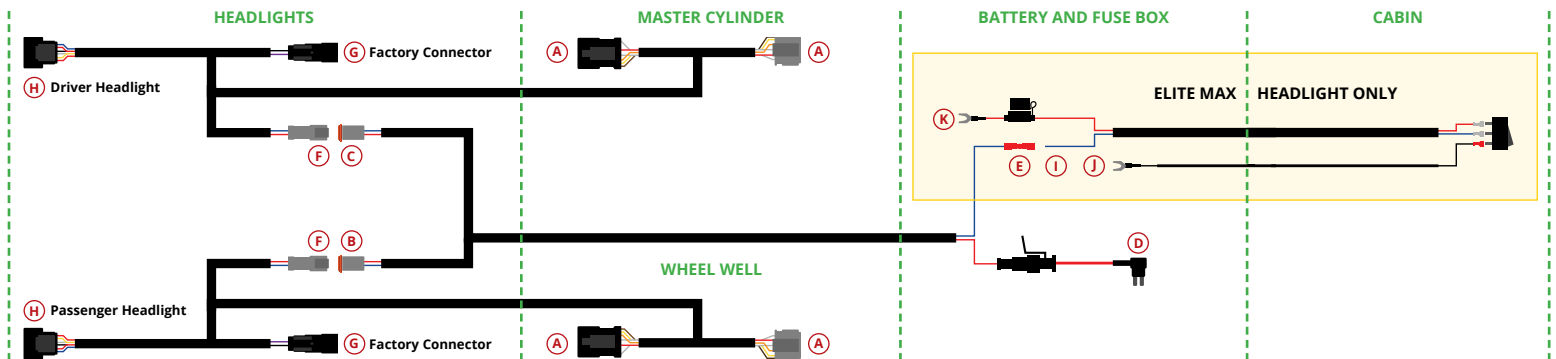
2. Using a 10mm socket, remove the three bolts securing the stock headlight to the vehicle.



3. Disconnect the factory headlight harness by pulling back on the red tab, pressing down on the tab, and prying the connector off.

Repeat these steps on the other side of the vehicle.

Wiring Instructions



Route the Adapter Harnesses

4. Starting on the driver side of the vehicle, feed both turn signal connectors (A) from the included adapter harness through the headlight opening, along the fender, and behind the washer fluid reservoir. Then feed the connectors past the brake lines and A/C port.

5. Remove the two 10mm bolts holding the smaller driver's side fuse box in place. Move the fuse box to the side to give you better access to the factory connector.

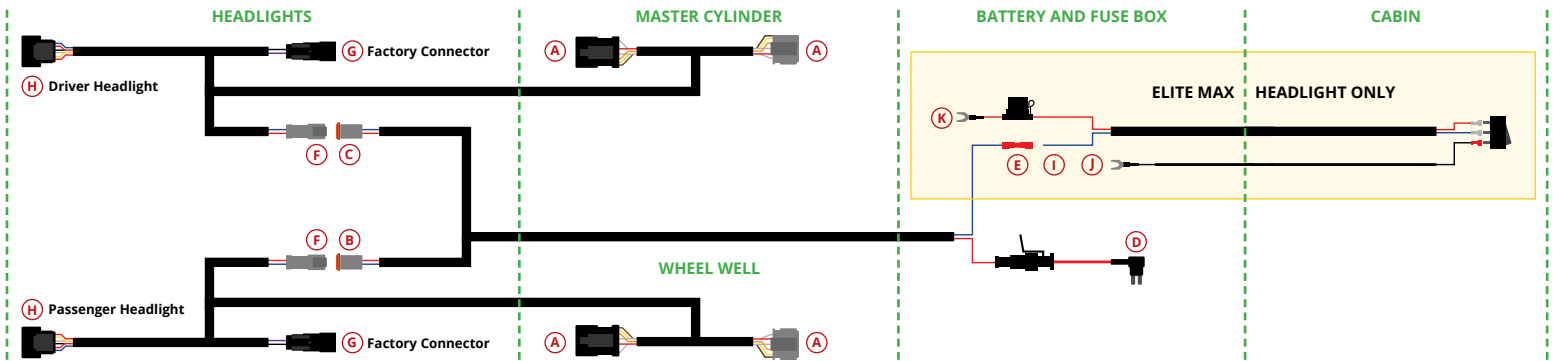
6. Locate the factory connector near the master cylinder on the underside of the fender. Remove it from the retaining clip holding it in place. Pull back the red locking tab on the connector to disconnect it.

7. Plug the turn signal connectors (A) from the adapter harness inline between the factory connector. Reattach the factory connector using the retaining clip removed in the previous step. Be sure to slide the locking tab back into the locked position.

8. On the passenger side of the vehicle, feed the turn signal connectors (A) on the second adapter harness under the air intake, along the fender, and between the battery and main fuse box.

9. From the front passenger side wheel well, peel back the wheel well cover to gain access to the factory connector. Plug the turn signal connectors (A) from the adapter harness inline between the factory connector. Be sure to slide the locking tab back into the locked position.

See back for further instructions.



Route the DRL & Auxiliary Tap Harness

10. Route the shorter DT wire (B) from the auxiliary tap harness through the headlight opening on the passenger side of the vehicle. Leave it disconnected for now.
11. Route the longer DT wire (C) from the auxiliary tap harness from the passenger side of the vehicle to the driver side. To do so, feed the DT wire through the passenger headlight opening, and under the radiator cover. Feed the DT connector through the driver side headlight opening, leaving it disconnected for now.
12. Route the power side (D)(E) of the auxiliary tap wiring harness from the passenger side of the vehicle to the fuse box. To do so, feed the harness through the passenger headlight opening, along the right side of the air intake, and to the left side of the battery.
13. Open the fuse box. Remove the 20A cigarette lighter fuse in slot F52 and insert it into the first empty slot on the add-a-fuse wire (D) on the auxiliary tap harness. Then install the add-a-fuse wire back into slot F52. Close the fuse box with the red wire exiting towards the battery.
14. If you purchased the Elite Max model, wire up the offroad lighting feature using the instructions below:

METHOD ONE - Use OEM Upfitter/Auxiliary Switches

If you plan to control the offroad lights with a factory-installed switch bank, crimp the butt connector (E) on the auxiliary tap harness, to a switch bank wire lead found near the battery. Any wire can be used - reference your owner's manual to determine which wire color corresponds with which switch.

METHOD TWO - Add New Switch to Vehicle

If you plan to control the offroad lights through the included toggle switch, connect the bare wire lead (I) on the toggle switch adapter wire to the butt connector (E) on the auxiliary tap harness using a crimping tool.

Connect the spade terminals on the switch wire to the toggle switch. The black wire should connect to the gold terminal, and the blue wire should connect to the middle terminal. Then, attach the split ring terminal (K) to a factory grounding point.

Connect the fused split ring terminal (K) on the switch wire to the positive battery terminal.

Determine a suitable location to mount the switch in the cabin of the vehicle. Route the switch wiring to that location. This may require going through the vehicle firewall. We recommend following the path of the factory wiring harness, and unplugging the switch while routing the wires. Drill a 3/4" hole and mount the switch. Reconnect wires to switch, with the red wire in the center position.

Wire the Headlights

15. Plug the DT connector (B)(C) from the auxiliary tap harness into the DT connector (F) on the adapter harness. Plug the headlight connectors (G)(H) inline between the factory headlight connector and your new Elite headlight. Be sure to push the red locking tab down. Repeat for the other side of the vehicle.
16. Install your new Elite headlights onto the vehicle using the original factory bolts.
17. Test function and aim the headlights. If adjustments are needed, use the included adjuster tool. For aiming instructions, please see our video online or reference your vehicle's owners manual.
18. Once the headlights have been aimed, reinstall the grille and secure it with the original push rivets.
19. If desired, follow the instructions on the included programming guide to select your DRL and show mode.

Please contact **Diode Dynamics** should you have any questions about the installation or wiring process, at **314-205-3033** (10a-5p CST) or **contact@diodedynamics.com**.



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