



FITTING INSTRUCTIONS

4X4 ACCESSORIES

P/NO: 3500810 / 3500820

PRODUCT DESCRIPTION: ARB Light Bar Wiring Loom / ARB Light Bar Loom Extension

APPLICATION: ARB and aftermarket light bars utilizing a DT-06 Deutsch connector

FITTING TIME: 90 minutes approx.

NOTE: This loom is designed for use with a light bar that switches on/off with the vehicle headlamp high beam.

WIRING LOOM INSTALLATION:

1. Remove the negative (-) cable from the battery or batteries to prevent short circuits.
2. Lay out the wiring loom in the engine bay and locate a convenient spot to fasten the relay. The relay should be mounted upright to prevent moisture entering the housing.
3. If connected, disconnect the mouse style LED switch from the relay harness at the bullet terminals.
4. Thread the bullet connectors from the unsheathed black / black-white switch wires of the relay harness through an existing grommet in the firewall and pull through into the vehicle.
5. Place the switch harness with yellow/silver wire and 2 amp fuse in the vehicle. Thread the free end of the yellow/silver wire through the existing grommet from inside the vehicle to the engine bay.
6. Connect the bullet terminals from the relay harness to the corresponding terminals on the switch harness inside the vehicle.

WARNING: Incorrectly connecting the wiring harness could cause damage to the vehicle electrical system. The correct procedure is dependent on whether the high beam driving light circuit is positively or negatively switched.

FOR VEHICLES WITH POSITIVE (+) HIGH BEAM SWITCHING:

7. Connect the free end of the yellow/silver wire to the high beam circuit at the headlamp or headlamp switch. For best results, remove a small section of insulation from the factory wire and solder the yellow/silver wire in place. Insulate the join with electrical tape. If required, the supplied wire-tap connector can be used for this connection. Connect the relay earth (black wire from the relay) to a suitable earth point on the battery or vehicle body.

FOR VEHICLES WITH NEGATIVE (-) HIGH BEAM SWITCHING:

8. Connect the free end of the yellow/silver wire to the positive terminal of the battery. Connect the relay earth (black wire from the relay) to the negative (-) switch wire for high beam circuit at the vehicle head lamp. The relay earth wire may need to be lengthened depending on the location of the relay within the engine bay.

9. Connect the light bar earth (black wire from light bar harness) to a suitable earth point on the battery or vehicle body.
10. Connect the mouse style LED switch to the switch loom and secure to a convenient place on the dashboard with the double sided tape and clips supplied.
11. Connect the relay harness to the connector from the light bar. If fitting the loom extension, connect at this step between points 1 and 2 on wiring diagrams (page 2).
12. Secure all cables with cable ties.
13. Connect the yellow/orange wire with 25 amp fuse to the positive terminal of the battery.
14. After installation, check all connections and then reconnect the negative (-) cable to the battery.

NOTE: Ensure that the relay is mounted upright with the terminals facing downward and in a position where it is protected from submersion or splashing from water or mud

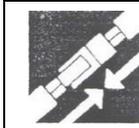
WARNING: Ensure that all wires are securely fastened away from any hot, sharp or moving surfaces. Do not fasten wiring harness to fuel or brake lines.



Do not pull on the wiring harness forcefully

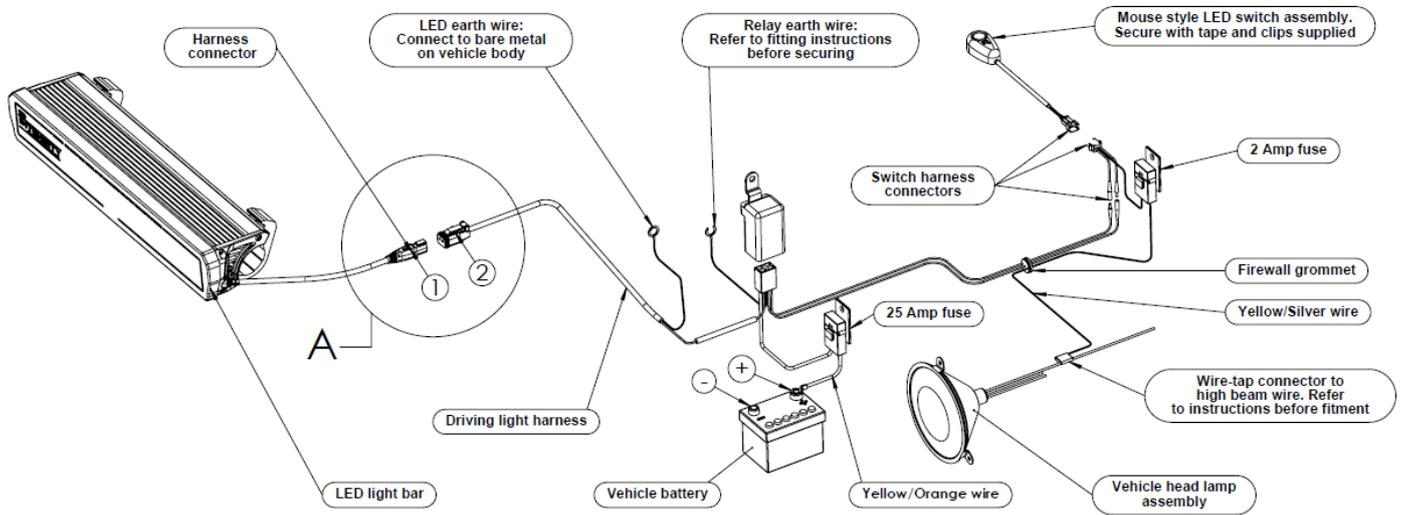


Do not connect wiring harness to engine

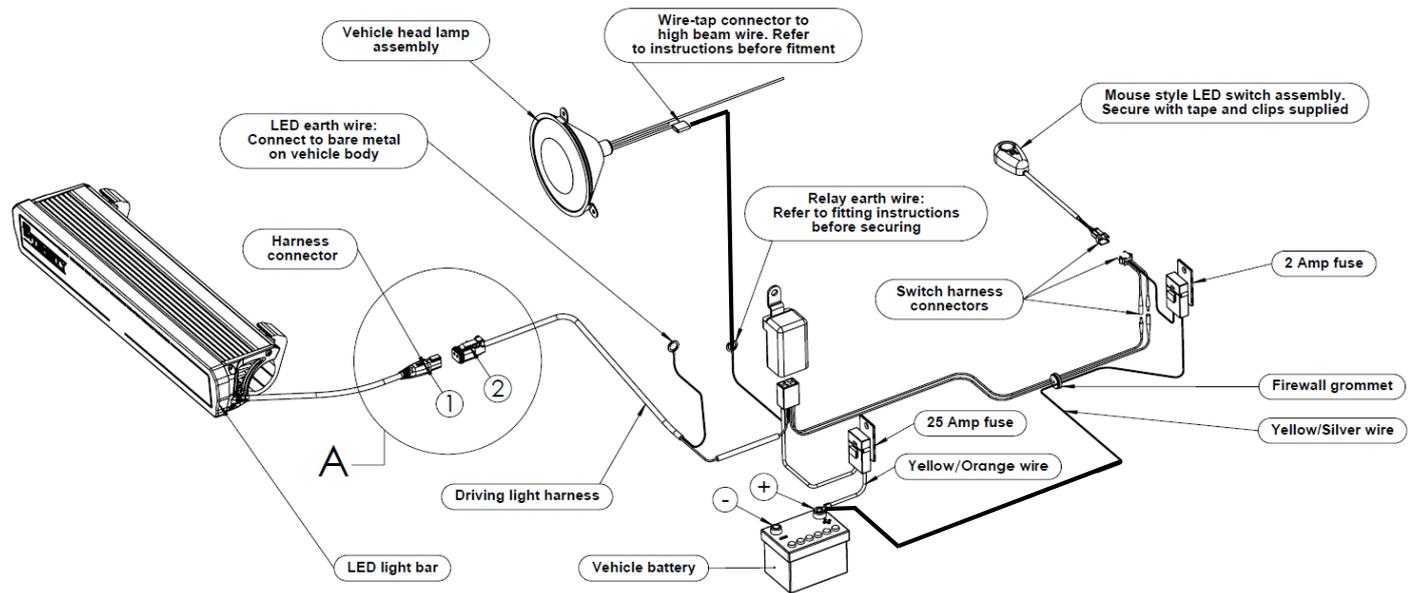


Ensure all connections are tight and pushed home

MAIN WIRING DIAGRAM FOR VEHICLES WITH POSITIVE (+) HIGH BEAM SWITCHING:

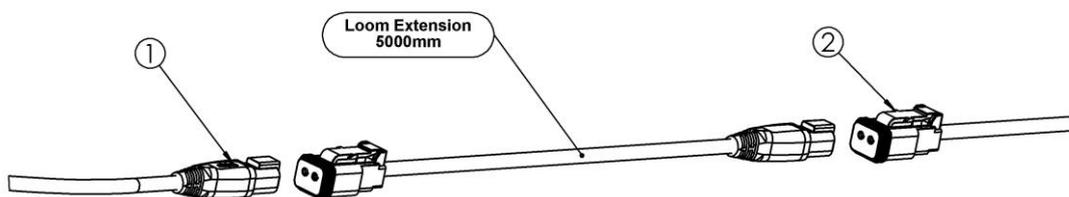


MAIN WIRING DIAGRAM FOR VEHICLES WITH NEGATIVE (-) HIGH BEAM SWITCHING:



LOOM EXTENSION:

If fitting the Loom Extension (P/NO 3500820), connect between points 1 and 2 as shown in the wiring diagrams above and below. First route the Loom Extension from the engine bay to desired light bar position and then connect to the driving light harness and light bar as described in step 11. Length of Loom Extension is 5000mm.



DETAIL A