



FITTING INSTRUCTIONS

HARNESS PART NUMBER: **3500811.**
HARNESS DESCRIPTION: **ARB LB V2 WIRING LOOM.**
APPLICATION: **AR40 V2 LIGHTBAR.**
FITTING TIME: **60 minutes approx.**

WARNING

NOTES:

- ◆ The Plug & play harnesses (H4 and HB3) are compatible with both positively and negatively switched head lamp vehicles.
- ◆ Ensure that the relay and 2amp fuse are mounted upright with the terminals facing downward. Locate these where it is protected from submersion or splashing from water and mud.
- ◆ This product must be installed exactly as per these instructions.
- ◆ The installation of this product may require the use of specialized tools and/or techniques.
- ◆ It is recommended that this product is only installed by trained personnel.
- ◆ These instructions are correct at the date of publication. ARB Corporation Ltd. cannot be held responsible for the impact of any changes subsequently made by the vehicle manufacturer.
- ◆ During installation, it is the duty of the installer to check correct operation/clearances of all components.
- ◆ Unless otherwise instructed, tighten fasteners to specified torque.
- ◆ Work safely at all times.

IMPORTANT:

- ◆ Ensure all electrical connections are correct and tight with good earth connection to the engine and/or chassis. Failure to do this may result in component failure or fire.
- ◆ Make sure all wires are securely fastened away from any hot, sharp or moving surfaces. Do not fasten any wires to the brake or fuel lines.
- ◆ Make sure that all electrical connections are strong and well insulated.

ARB 4x4 ACCESSORIES

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Do not pull on the
wiring harness
forcefully



Do not connect
wiring harness to
engine



Ensure all connections
are tight and pushed
home

FITTING PROCEDURE:

1. Remove the negative (-) cable from the battery to prevent short circuits.
2. Lay out the Main harness ① in the engine bay and mount the relay and two fuses in a convenient location. Check to ensure the midi fuse is securely fastened in the midi fuse holder.
3. If connected, disconnect the Mouse switch harness ② from the Main harness ①.
4. Feed the Switch connector ③ from the Main harness ① through an existing grommet in the firewall and pull through into the vehicle.
5. Place the Mouse switch harness ② in the vehicle and connect to the Main harness ①. Secure the Mouse switch ④ in a convenient location on the dashboard.
6. This kit includes H4 and HB3 Plug & play harnesses ⑤, if the vehicle head lamps are an alternative to these, please complete either step a or b below. Otherwise, continue to Step 7.
 - a. For positively switched head lamp vehicles without H4 or HB3 head lamps; on the Main harness ① take the Lightbar trigger connector ⑥ and cut the connector wires. Connect the Brown wire ⑦ to the vehicle positive high beam wire. Connect the Black wire ⑧ to a suitable earth point on the vehicle body or chassis. Continue to Step 10.
 - b. For negatively switched head lamp vehicles without H4 or HB3 head lamps; on the Main harness ① take the Lightbar trigger connector ⑥ and cut the connector wires. Connect the Black wire ⑧ to the vehicle negative high beam wire. Connect the Brown wire ⑦ to the positive battery terminal. Continue to Step 10.
7. Take the Plug & play harness ⑤ and connect the Head lamp connector ⑨ to the vehicle head lamp.
8. Connect the Vehicle harness connector ⑩ to the vehicle harness.
9. Connect the Lightbar trigger connector ⑥ to the Main harness ①.
10. Connect the Lightbar earth terminal ⑪ to a suitable earth point on the vehicle body or chassis.
11. Connect the High power connectors ⑫ from the Main harness ① to the Intensity Lightbar ⑬.
12. Secure all cables with cable ties.
13. Connect the Lightbar power terminal ⑭ to the battery positive terminal.
14. After installation, check all connections and then reconnect the negative (-) cable to the battery.

