



FITTING INSTRUCTIONS

HARNESS PART NUMBER: **3500440.**
HARNESS DESCRIPTION: **ARB Auxiliary Light Wiring Harness.**
APPLICATION: **Auxiliary Lights up to 2x 130W (including ARB Fog Lights).**
FITTING TIME: **60 minutes approx.**

WARNING

NOTES:

- ◆ Included with this harness are two HB₄ Patch looms required for auxiliary lights fitted with HB₄ globes.
- ◆ 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 (-ve) cable from the battery to prevent short circuits.
2. Layout the Main harness (A) in the engine bay and mount the Relay and 25 Amp fuse in convenient locations.
3. If connected, disconnect the Mouse switch harness (B) from the Main harness (A).
4. If connected, disconnect the Bullet switch connectors (C) from the Main harness (A).
5. Place the Mouse switch harness (B), 2 Amp fuse, High beam trigger wire (E) and Bullet switch connectors (C) in the vehicle cabin.
6. Feed the Bullet switch connectors (C) from the Main harness (A) through an existing grommet in the firewall and pull through into the vehicle cabin.
7. Feed the High beam trigger wire (E) through an existing grommet in the firewall and pull through into the vehicle engine bay. Route wire to the vehicle head lamp assembly.
8. Inside the vehicle cabin, connect the Bullet switch connectors (C) with the Main harness (A).
9. Inside the vehicle cabin, connect the Mouse switch connector (C) with the Main harness (A). Secure the Mouse switch (M) and the 2 Amp fuse in convenient locations.
10. Follow the appropriate instruction below depending on the vehicle type.
 - a. **For positively switched head lamp vehicles;** on the Main harness (A) take the High beam trigger wire (E) and connect with the vehicle high beam positive (+ve) wire. Connect the Mouse switch and relay earth terminal (F) to a suitable earth point on the vehicle body or chassis. DO NOT connect direct with battery negative. Continue to Step 11.
 - b. **For negatively switched head lamp vehicles;** on the Main harness (A) take the Mouse switch and relay earth terminal (F) and connect with the vehicle high beam negative (-ve) wire. Connect the High beam trigger wire (E) with the vehicle high beam positive (+ve) wire. Continue to Step 11.
11. Connect the Earth terminal (-ve) (I) to a suitable earth point on the vehicle body or chassis. DO NOT connect direct with battery negative.
12. Follow the appropriate instruction below depending on the auxiliary light connector type.
 - a. **For bullet connector type;** connect the Main harness bullet connectors with the auxiliary light bullet connectors (J). On the Main harness (A), the female bullet connector is positive (+ve), and the male bullet connector is negative (-ve).
 - b. **For HB4 connector type;** connect the Main harness bullet connectors with the HB4 Patch loom bullet connectors (J). Connect the HB4 Patch loom connector (D) with the Auxiliary light (K) connector.
13. Secure all cables with cable ties.
14. Connect the Harness power terminal (+ve) (L) to the battery positive terminal.
15. After installation, check all connections and then reconnect the negative (-ve) cable to the battery.
16. Check and test the Auxiliary lights (K) with both the vehicle high beam switch and the Mouse switch (M).

