



FITTING INSTRUCTIONS

HARNESS PART NUMBER: **SJBHARN.**
HARNESS DESCRIPTION: **ARB WIRING LOOM SOLIS | LOOM AND DIMMER.**
APPLICATION: **ARB SOLIS DRIVING LIGHTS.**
FITTING TIME: **60 MINUTES APPROX.**

COMPLIANCE:

- ◆ RoHS compliant.
- ◆ CE compliant.
- ◆ UNECE R10 compliant.

NOTES:

- ◆ For negatively switched headlamp vehicles, an additional relay is required to operate the driving lights. Please follow Step6 on Page2 of this instruction.
- ◆ For CANBUS controlled headlamp vehicles, the high beam and clearance light signals are not available without additional hardware. Please contact your vehicle supplier or ARB for advice on how to connect with these.
- ◆ Ensure that the fuses are mounted upright with the terminals facing down. 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 specialised 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.
- ◆ 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 lines or fuel lines.
- ◆ Make sure that all electrical connections are strong and well insulated.
- ◆ Work safely at all times.

ARB 4x4 ACCESSORIES

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Do not pull on the wiring harness forcefully



Do not connect wiring harness to engine

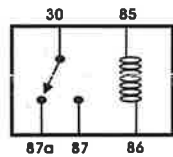


Ensure all connections are tight and pushed home

FITTING PROCEDURE:

1. Remove the negative (-) cable from the battery.
2. Layout the Main harness (A) in engine bay and mount the four fuses in a convenient location. Please note, if required the fuses can be stacked together.
3. If connected, disconnect the Touchpad harness (B) from the Main harness (A).
4. Feed the Touchpad connector (C) on the Main harness (A) through an existing grommet in the firewall and pull through into the vehicle cabin. To assist with this, it is recommended to fold back the cable and pull the connector through tail first. If required, apply lubricate.
5. Place the Touchpad switch harness (B) in the vehicle cabin and connect to the Main harness (A). Secure the Touchpad (T) in a convenient location on the vehicle dashboard.
6. For all negatively switched headlamp vehicles, complete this Step. Otherwise, continue to Step 7.

On the Main harness (A), cut and remove the connector from the Yellow and Black (F) wires. Connect the Black wire (F) to a suitable earth point on the vehicle body or chassis. Obtain a switching relay and connect the relay terminals as per below:



Relay Terminal	Connection
85	Vehicle positive high beam wire
86	Vehicle negative high beam wire
87	Yellow wire (F)
87a	
30	Battery positive

Continue to Step 11.

7. This kit includes H4 and HB3 / HB4 Plug & Play harnesses (G), if the vehicle headlamps are an alternative to these, complete this Step. Otherwise, continue to Step 8.

On the Main harness (A), cut and remove the connector from the Yellow and Black (F) wires. Connect the Yellow wire (F) to the vehicle positive high beam wire. Connect the Black wire (F) to a suitable earth point on the vehicle body or chassis. Continue to Step 11.

8. Take the Plug & Play harness (G) and connect the High beam connector (C) to the vehicle headlamp.
9. Connect the Vehicle harness connector (H) to the vehicle harness.
10. Connect the Plug and Play connector (E) to the Main harness (A).

For HB3/HB4 vehicles, the positive and negative wires can be either orientation at the HB3/HB4 Vehicle harness connector (H). For this reason, the HB3/HB4 Plug & Play harness is supplied with the white plug non-housed. On the Vehicle harness connector (H), determine which terminal is positive and which is negative. Insert the terminals into the Plug & Play white plug, ensuring at the Main harness (A) connector (E), the positive connects with the Yellow wire and the negative connects with the Black wire.

Yellow = +ve, Black = -ve.

11. Connect the Illumination signal wire (S) with the front clearance light wire (parkers). Alternatively, this could connect with the illumination circuit within the cabin.
12. Connect the Chassis grounds (N) to a suitable ground point on the vehicle body or chassis. Do not connect directly to battery negative.
13. Connect the Driving light connectors (D) to the Solis driving lights (K). Secure all cables, check all connections.
14. Connect the two Positive terminals (L) to the battery positive terminal and reconnect the negative (-) cable to the battery.
15. Check correct operation of the Touchpad and Solis driving lights.

