



**DUAL SWITCHING HARNESS FOR HTX
USER INSTRUCTIONS**

DIY HARNESS INSTALLATION KIT CONTENTS

- 1 x Driving light harness
- 1 x HB3 patch harness
- 1 x H4 patch harness
- 1 x Switch loom
- 1 x Screw for relay installation
- 2 x T-taps for wires (2 sizes)
- 8 x Spare crimps for custom wiring
- 4 x Spade terminals (2 sizes)
- 15 x Cable ties
- 1 x User instructions.

TOOLS AND CONSUMABLES REQUIRED

- Spanner to access battery terminals
- Pointy nose pliers
- Wire cutters
- Drill
- Phillips head driver bit
- Torch (recommended)
- Torque wrench (recommended).

TOOL REQUIRED FOR NON-STANDARD INSTALLATIONS

- Crimping tool.

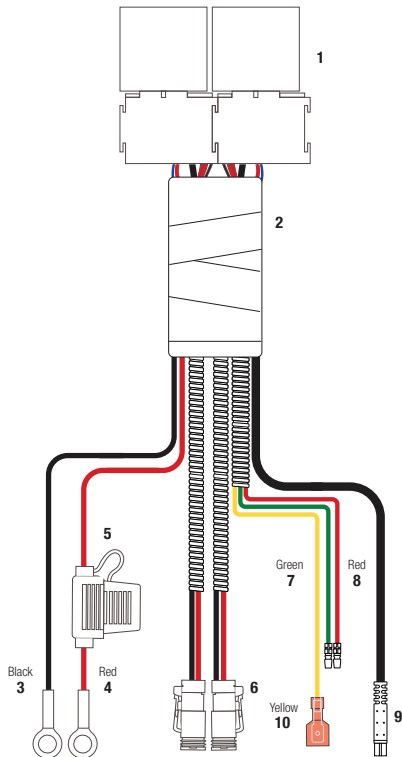
PERSONAL SAFETY WARNING

WARNING: High intensity light source.

Do not look directly into the light during operation, eye injury may result.

Fig 1. Driving Light Harness

1. 40 amp Relay
2. Insulated sleeved wires
3. Battery connector (negative)
4. Battery connector (positive)
5. 35 amp fuse
6. Driving light connectors
7. High beam pickup wire with bullet terminal (negative)
8. High beam pickup wire with bullet terminal (positive)
9. Dashboard switch loom connector
10. Dash illumination cable (optional).



**Fig 2. Screws
for fixing relay**



Fig 3. Connectors for non-standard installations



T-taps for wires



Insulated male
spade terminals



Un-insulated male
spade terminal

STEP 1. MOUNT THE LIGHTS

1. Install the driving lights onto a suitable mounting surface
2. Remove the nyloc nut and M10 washer from M10 x 35mm bolt attached to the bottom of mounting bracket
3. Locate the bracket in a suitable position using the M10 x 35mm bolt. It is recommended that the base area of the mounting bracket is totally supported
4. Align the light to preferred driving position
5. Fit the washer and M10 nyloc nut, then tighten using a 17mm socket and ratchet to specified torque (35Nm). Do not use rattle guns
6. Tighten 2 x M10 x 35 side bolts to recommended torque (35Nm).

WIRING HARNESS INSTALLATION

STEP 2. INSTALL THE RELAY AND CONNECT THE LIGHTS

1. Remove the main ground wire from the negative battery terminal. **WARNING:** This may result in loss of radio security code and clock settings. Please consult your owner's manual before disconnecting
2. Mount the 40 amp relay (see figure 1) in a suitable place within the engine bay, using the screw supplied (figure 2) and your drill with a Phillips head driver bit. Ensure that the red (positive) and black (negative) ring terminals reach the appropriate battery terminals. **DO NOT CONNECT TERMINALS TO THE BATTERY AT THIS STAGE**
3. Route the insulated sleeved wires that run from the relay to the driving light connectors to each of your installed HTX Driving Lights and connect the driving light connectors to the back of each light. Ensure that cables do not touch the radiator or come in contact with any sharp edges
4. Secure all excess wire to the vehicle with cable ties supplied.

STEP 3. CONNECT PATCH HARNESS TO HEADLIGHT CONNECTOR

1. Select the HB3 or H4 patch harness (refer to your vehicle's owner's manual and figures 4 and 5 below to determine which is correct) and connect it to a headlight connector on your vehicle. If your headlights are a type other than HB3 or H4, see item 3 below.
2. Connect the high beam pickup wires on the driving light harness to the patch harness, red to red, green to green.
3. NOTE: if you are installing into a vehicle with headlights that are NOT HB3 or H4, you will need to remove the bullet terminals on the red and green high beam pickup wires on the driving light harness (see figure 1) and crimp each wire into a blue insulated male spade terminal using a crimping tool. Then clamp the provided t-taps to the high beam wires on one of the vehicle's headlights. Use the red or blue t-taps depending on the wire diameter. Finally, connect the blue insulated male spade terminals into the t-taps on the harness.

Fig 4. HB3 patch harness

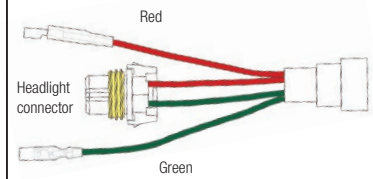
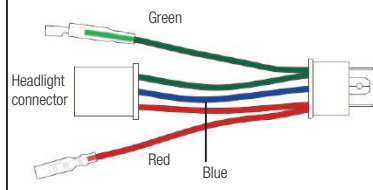


Fig 5. H4 patch harness



STEP 4. INSTALL THE DASH SWITCHES

1. Find a suitable place on the dash to mount the dash switches.
2. Affix dash switches by removing the adhesive from the rear of the switches and attach to the desired location.

STEP 5. CONNECT THE DASHBOARD SWITCH LOOM

1. Route the dashboard switch loom connector (on the driving light harness) carefully through the vehicle's firewall using pointy nose pliers to pull the cable through. A torch will help you to see what you are doing. Be careful to avoid crushing the connector. Ensure the wires are kept away from any heat sources
2. Connect the dashboard switch loom connector on the driving light harness (see item 1, figure 1) to the dashboard switch loom pictured in Figure 6. Note: The notch on the switch loom and wiring harness must be aligned.

If you are using a different switch with dash illumination (not included), connect the dash illumination cable (on the switch loom) to your switch, as directed by the user instructions for the switch.

STEP 6. CONNECT TO THE BATTERY

1. Connect the ring on the red wired battery connector to the positive battery terminal using a spanner
2. Connect the ring on the black wired battery connector to the negative battery terminal using a spanner.

STEP 7. SECURE CABLES

1. Use the supplied cable ties to secure all loose cables and remove excess using wire cutters.

STEP 8. TEST

1. Turn on the ignition and test correct light operation by switching on your high beam. Ensure the lights only activate when switched to high beam.

Fig 6. Dashboard switch loom

