



USER INSTRUCTIONS

UNIVERSAL HARNESS FOR BEAST LED DRIVING LIGHTS



Light FORCE®

DIY HARNESS INSTALLATION KIT CONTENTS

Part Number: LFDLHBEAST-U

- 1 x Driving Light Harness
- 1 x HB3 Patch Harness
- 1 x H4 Patch Harness
- 1 x BEAST Smart Rocker Switch
- 1 x Screw for relay installation
- 8 x T-taps for wires (4x 2 sizes)
- 3 x Spade terminals
- 10 x Cable ties
- 1 x User instructions.

TOOLS AND CONSUMABLES REQUIRED

- 17mm Socket with ratchet
- Spanner – To suit vehicle battery terminal
- Wire cutters
- Phillips Head driver bit
- Flashlight (recommended)
- Torque wrench (recommended).
- Needle nose pliers

TOOL REQUIRED FOR NON-STANDARD INSTALLATIONS

- Crimping tool

PERSONAL SAFETY 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. 40 amp fuse
6. 4 pin driving light connectors
7. High beam pickup wire with bullet terminal (negative)
8. High beam pickup wire with bullet terminal (positive)
9. Low beam pickup wire with bullet terminal (positive)
10. Ignition pickup wire with spade terminal (positive)
11. Dashboard switch loom connector

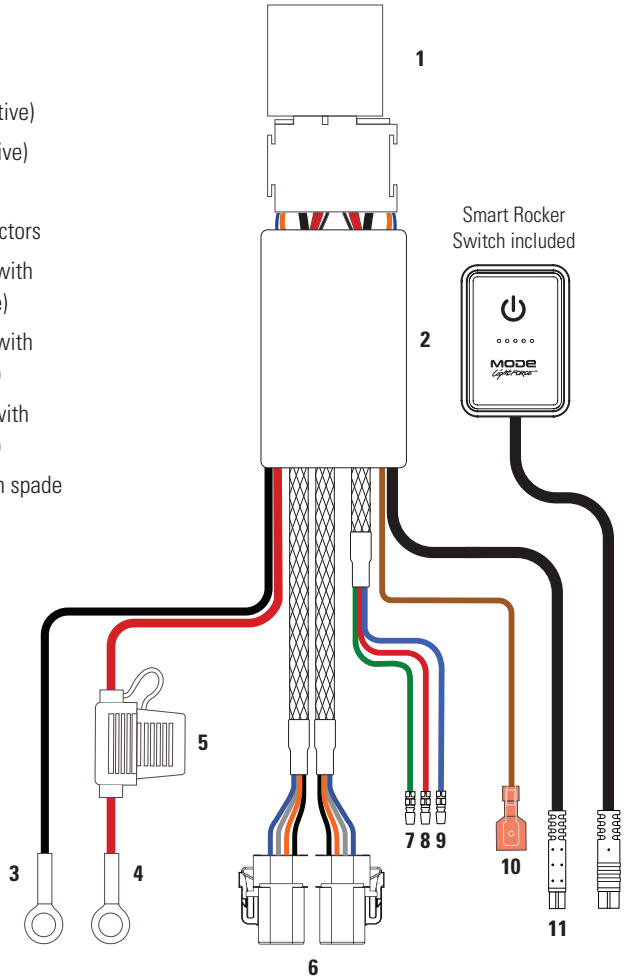


Fig 2. Screw for fixing relay



Fig 3. Connectors for non-standard installations



T-taps
for wires



Insulated male
spade terminals

STEP 1. MOUNT THE LIGHTS

1. Locate a suitable mounting position to install the driving lights.
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).

STEP 2. WIRING HARNESS INSTALLATION

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 (see 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.
3. **DO NOT CONNECT TERMINALS TO THE BATTERY AT THIS STAGE.**
4. Route the insulated sleeved wires that run from the relay to the driving light connectors to each of your installed 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.

STEP 3. HIGH & LOW BEAM CONNECTION

The high & low beam connection method may vary based on the specific vehicle. When installing, choose the most suitable option below.

Option 1 - Lightforce patch harness

Lightforce recommends using a dedicated patch harness to connect to your vehicles high beam circuit.

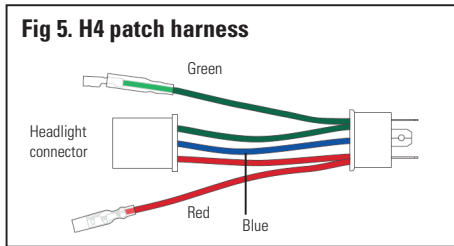
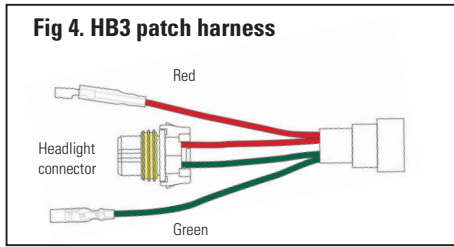
Lightforce have a range of patch harnesses available to suit a range of vehicles. Scan the QR code to browse our selection of available patch harnesses.



Lightforce Patch Harnesses

To install the Lightforce patch harness, use the terminal identification information on the packaging to locate which wires are to be used for the low beam, high beam positive and high beam negative. Attach these wires to the corresponding bullet terminals on the wiring harness (item 7,8 & 9 fig. 1).

Option 2 - For vehicles with HB3 or H4 Headlight connectors.



Select the HB3 or H4 patch harness (refer to your vehicle's owner's manual and figures 4 and 5 above to determine which is correct) and connect it to a headlight connector on your vehicle.

HB3 installations

Connect the two wires to the red and green wires on the driving light harness (item 7,8 fig. 1).

The HB3 patch harness does not have a blue wire connection for the low beam pickup.

The blue wire on the driving light harness (item 9 fig. 1) will need to be manually connected to an alternate low beam source on the vehicle.

H4 patch harness

Connect all three wires to the red, green and blue wires on the driving light harness (item 7,8 & 9 fig. 1).

Important: For negatively switched vehicles, alternate installation methods may be required. Please seek professional assistance.

Option 3 - For all other installations

Option 3 is for installations of all other vehicles where option 1 (patch harness) and option 2 (HB3/H4 headlight connectors) are not applicable.

1. Remove the bullet terminals on the red, green and blue high beam pickup wires on the driving light (item 7,8 & 9 fig. 1)
2. Crimp each of these 3 wires into a insulated male spade terminal using a crimping tool. Then clamp the provided t-taps to the high beam positive and negative and low beam positive wires on one of the vehicle's headlights. Use the red or blue t-taps depending on the wire diameter.
3. Finally, connect the insulated male spade terminals into the t-taps on the harness.

STEP 4. CONNECT TO IGNITION FOR POSITIONING LIGHTS

Using a supplied T-tap, connect the brown wire (item 10 fig. 1) to a suitable ignition source. Lightforce recommends selecting a non-critical source with a 10A or less fuse.

Note: If you do not wish to enable Daytime running light function (DRL), do not connect the brown wire to an ignition source. Insulate and secure this wire in a suitable location.

STEP 5. ROUTE THE DASHBOARD SWITCH LOOM

Route the dashboard switch loom connector into the cabin of the vehicle (through the vehicle firewall) to the desired switch location. A flashlight will help you to see what you are doing.

Ensure the wires are kept away from any heat sources.

STEP 6. SWITCH ASSEMBLY

This kit includes a smart rocker switch for controlling the lights. This switch is mounted inside the vehicle and allows the driver to activate the driving lights and also toggle the 3 modes; SPOT, FLOOD and BEAST. See step 10 for full operation instructions.



BEAST smart rocker switch

This switch can be assembled to be used as either of the following two configurations; a panel mount or a TY2 OEM style switch (fig. 6).

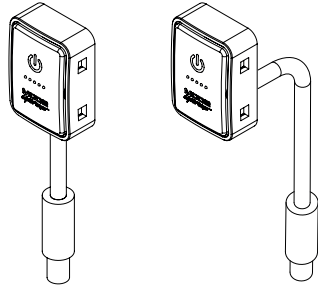
To see whether your vehicle is compatible with the TY2 interface switch, scan the QR code.



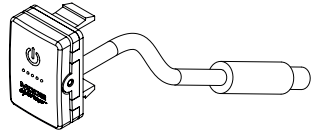
TY2 Interface Compatibility

Fig 6. - Switch Assembly Options

Option 1 - Panel Mount



Option 2 - TY2 OEM Style In-Dash Switch



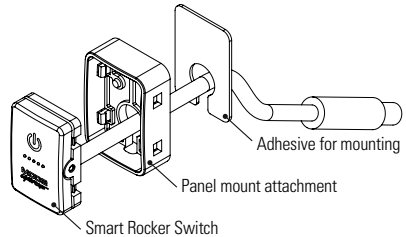
Option 1 - Panel Mount

This panel mount switch installation can be used to mount the switch as a universal dashboard mount for any vehicle.

The switch is mounted to the dashboard with double sided adhesive tape.

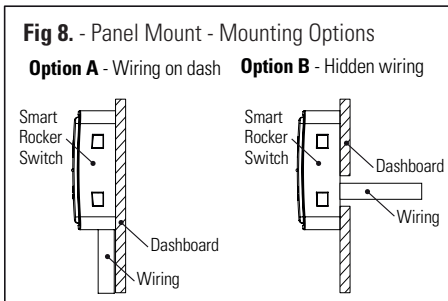
Important: Do not use this option if your vehicle is TY2 compatible. Scan the QR code to find which vehicles are compatible.

Fig 7. - Panel Mount Assembly



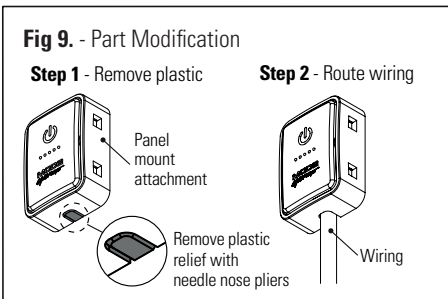
Panel Mount Assembly (Fig. 7)

1. Pass the loom connector through the hole in the rear on the panel mount attachment.
2. Clip the smart rocker switch into the panel mount attachment.
3. Remove the adhesive backing and attach the adhesive to the rear of the panel mount attachment.
4. **Panel mount – mounting options**
Find a suitable location on the dashboard to mount the complete assembly. The switch can either be mounted with the wiring hidden through the dashboard, or alternatively the wiring can come out the bottom of the switch and then be routed behind the vehicle trim (fig. 8).



a. Option A – Wiring on dashboard

To sit the wiring on the dashboard, a plastic detail must be removed from the panel mount attachment (see fig. 9). The wiring can then be routed to the bottom of the switch.

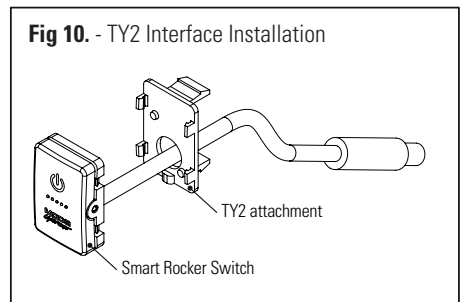


b. Option B – Hidden wiring

- To completely hide the wiring (option B fig. 8), a 10mm hole can be drilled into the dashboard behind the switch. Route the wiring through the hole prior to the next step.
5. Remove the adhesive backing and adhere the switch to the dashboard.
 6. Connect the dashboard switch loom connector on the driving light harness (see item 11 in figure 1) to the smart rocker switch loom.

Option 2 – TY2 Interface Switch

The TY2 interface switch can be used as an OEM style switch for an assortment of specific vehicles. The TY2 interface switch is installed in an empty switch slot of the vehicle.



Scan the QR code at Step 6 to identify which vehicles are compatible.

TY2 Interface Assembly (Fig. 10)

7. To assemble, route the switch wiring through the opening in the TY2 attachment then connect the Smart Rocker Switch to the supplied TY2 attachment.

8. Locate a suitable free switch location in your vehicle and remove the blank switch cover.
9. Connect the dashboard switch loom connector on the driving light harness (see item 11 in figure 1) to the Smart Rocker Switch loom.

STEP 7. CONNECT TO THE BATTERY

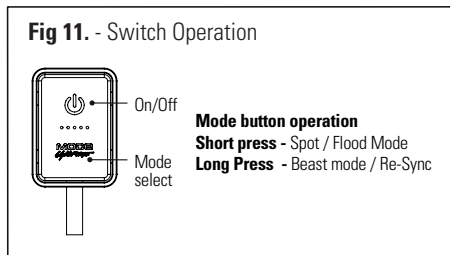
1. Connect the ring on the red wired battery connector to the positive battery terminal using a spanner.
2. Connect the ring on the black wired battery connector to the negative battery terminal using a spanner.

STEP 8. SECURE CABLES

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

STEP 9. HARNESS OPERATION

The smart rocker switch allows selection of the 3 modes available in the BEAST driving light.



The BEAST smart rocker switch has the following functionality (fig. 11).

The top button switches the lighting kit *on/off*. The bottom button is a mode select button that toggles between the 3 modes.

Mode select - Short press

A quick press of the mode button will switch the BEAST lights between SPOT and FLOOD mode.

Mode select - Long press

A long press will activate BEAST mode.

Note: while in BEAST mode, a short press will return you back to SPOT mode.

Resync Process – Long press

Important: For BEAST driving light installations where more than one light is installed, it is possible for lights to be out of sync.

To resync driving lights, long press the mode select button.

BEAST Smart Rocker Switch specification	
Input voltage	10-16 V
Output current	0.3A (per output)

ADDITIONAL: INSTALLATION WITH A DIFFERENT LIGHTFORCE SWITCH TO THE SMART ROCKER SWITCH

If your vehicle is not compatible with the included smart rocker switch, an assortment of Lightforce switches and harness adapters are sold separately and are compatible to connect to the dashboard switch loom connector on the harness (item 11 fig 1). Scan the below QR code to browse compatible switches.



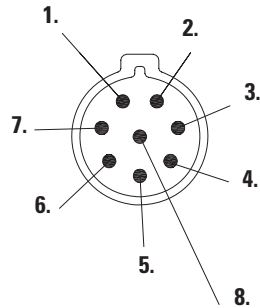
Select one of the following dashboard switch loom connector (8 pin connector) adaptors based on your switch; SWADP5, SWADP6 or SWADP7. See figure 12 for detailed switch wiring information.

INSTALLATION WITH 3RD PARTY SWITCH

Lightforce does not recommended users choosing to use a different switch to the included BEAST smart rocker switch or compatible Lightforce switch. This can result in a loss of functionality of the driving light kit. If you wish to use a switch from a 3rd party, please use the connector wiring information provided in fig 12.

Fig 12. 8 Pin connector wiring diagram (switches side)

1	Dash Illumination
2	Negative
3	Switch 2 Output - to relay trigger
4	Switch 2 Input
5	Switch 1 Output - driving light mode trigger
6	Switch 1 Input
7	N/A
8	N/A



WARRANTY CONDITIONS FOR AUSTRALIA

“Lightforce” means Lightforce Australia Pty Ltd ABN 54 069 439 774 Address: 11 Manton Street, Hindmarsh, SA, 5007. Telephone: +61 8 8440 0888. Email Address: sales@lightforce.com

“Lightforce Affiliates” means Lightforce, Lightforce related bodies corporate (within the meaning of the Corporations Act 2001), and their respective employees, officers, agents, and contractors.

“Warranty Period” means:

Lightforce products claimed for repair or replacement under the conditions of a defect in materials or workmanship within normal use and conditions, are valid for the time period of five (5) years from the date of purchase; except accessories, switches, made-to-order items, custom built items, brackets, fascia and harness, bulbs, batteries and mounts which is one (1) year from the original date of purchase specified on your sales receipt or invoice.

Only Lightforce products and parts which remain unaltered from their factory supplied design are eligible for warranty. Modifications made to the product, any collision or impact damage of any kind, product tampered in any manner, including poor installation will void warranty.

REPAIR OR REPLACEMENT OF A PRODUCT OR PARTS:

A replacement product or part is warranted for the balance of the period remaining on the original product contract. A warranty replacement/repair does not constitute a new warranty period of (5) years or (1) year whichever is the correct warranty period. Products and parts presented for repair or replacement may be replaced by products of the same type, or superseding designs.

Goods presented for repair may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the goods.

MAKING A CLAIM:

Under this warranty and unless Lightforce otherwise agrees in writing, you bear the cost of claiming under this warranty, Lightforce will however, bear the reasonable cost of transporting the product to Lightforce and returning the product to you.

Lightforce must assess warranty claims before a claim can be granted unless otherwise arranged for and by Lightforce.

To make a claim you will need;

- The receipt of purchase or similar proof AND
- The product being claimed for AND
- Have registered the claim with Lightforce by;

Calling **1800 03 03 08** and speaking with a warranty support officer OR

By emailing **support@lightforce.com**

A support officer will raise a case number and provide you with any necessary labelling and freight paperwork to process the claim.

USE OF PERSONAL INFORMATION:

This warranty will not apply if you do not supply to us or to our Lightforce Affiliates information that we reasonably request to enable us to perform our obligations under this warranty. You have the right to access your personal contact information and request correction of any errors in it pursuant to the Privacy Act 1988 by contacting Lightforce.

STATUTORY RIGHTS:

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

LIMITATION OF LIABILITY:

1. Where permitted, or not prohibited, under any law, including under the Australian Consumer Law, Lightforce and Lightforce Affiliates' liability in respect of any defect in materials or workmanship or in respect of a product which is not otherwise of acceptable quality (within the meaning of the Australian Consumer Law), is limited at the option of Lightforce, to:
 - a. The replacement or repair of the product,
 - b. The payment of the cost of replacing or repairing the product; or
 - c. The payment of the cost of acquiring an equivalent product.

2. Accordingly, to the extent permitted or not prohibited under any law (including the Australian Consumer Law):
 - a. neither Lightforce nor any Lightforce Affiliates are liable under any circumstances (including in contract, negligence or other tort, or under any other legal doctrine) for third party claims against you for damages; special, incidental, punitive, indirect or consequential damages, including but not limited to lost profits, business revenue, goodwill or anticipated savings; and
 - b. in no case does the total liability of Lightforce, Lightforce Affiliates, or their respective suppliers, resellers or service providers to any person for damages from any cause (including in contract, negligence or other tort, or under any other legal doctrine), in connection with the supply of a product exceed the lesser of the actual direct damages of that person and the amount paid for the product by that person.

The foregoing limitations do not apply to damages for bodily injury (including death), damage to real property or damage to tangible personal property for which Lightforce is liable under any non-excludable law.



For warranty information and to register your product for warranty purposes, visit lightforce.com/warranty

LIGHTFORCE AUSTRALIA PTY LTD

11 Manton Street, Hindmarsh SA 5007 Australia
www.lightforce.com • Email: sales@lightforce.com
Australia Telephone: 1800 030 308 | Fax: 08 8346 0504
International Telephone: +61 8 8440 0888 | Fax: +61 8 8346 0504

All logos and images are subject to relevant trademark and copyright protection. Copyright © Lightforce Australia Pty Ltd 2024. Data and specifications may be subject to change without notice. Lightforce Australia Pty Ltd shall not be liable for damage, malfunction, failure resulting from accident, misuse, misapplication, unauthorised repair, neglect, modification, unauthorised or non standard replacement parts, accessories, bulbs, batteries or voltage or operation of the product beyond its technical and or environmental specification.