

NARVA®

Part No. 71748

ULTIMA TRANSPORT KIT

215 MK3 SPOT & HYBRID LED DRIVING LIGHTS INSTRUCTIONS AND SPECIFICATIONS



IMPORTANT SAFETY INFORMATION

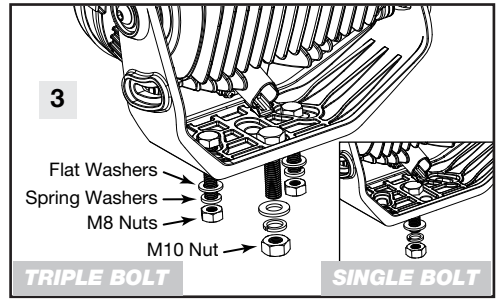
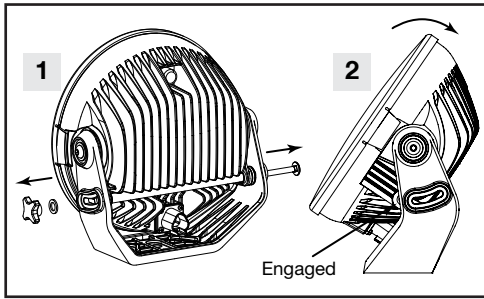
Please read these instructions carefully before installation.

- Remove negative battery cable before installation.
- Ensure lamps are fitted using the appropriate wiring harness or an equivalent auxiliary wiring system.

We strongly recommend to use the Ultima LED Wiring Harness (74409 & 74411)

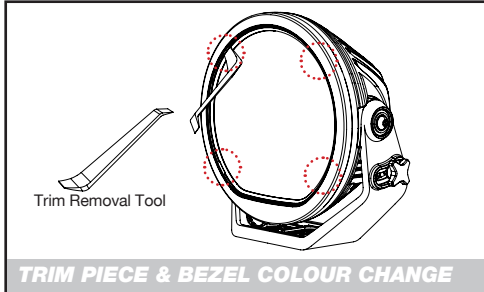
- Ensure the lamps are mounted securely to a solid surface on the vehicle or bullbar.
- Cables connected to the lamp must not be subjected to wear or other damage.

MOUNTING

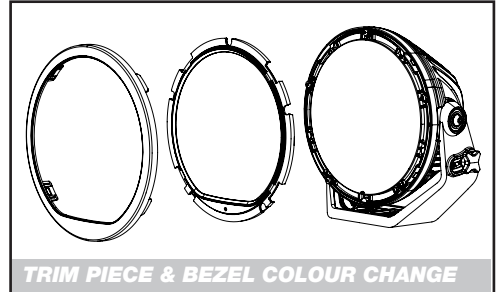


- Remove Adjuster Knob, Flat Washer and Long Bolt.
- Tilt lamp backwards to allow access to insert the mounting bolts (Ensure the lamp is still engaged with the bracket).
- Place the mounting bolts through the holes in bracket. Note, 3 bolts are advised, if single bolt only, mount in centre hole.
- Re-assemble the Adjuster Knob, Flat Washer and Long Bolt in reverse order.
- Choose a solid surface on the vehicle or bullbar to mount the driving lights and secure the lamp by using flat washers, spring washers with M10 & M8 nuts.
- Ensure the Adjuster Knob is done up tight.

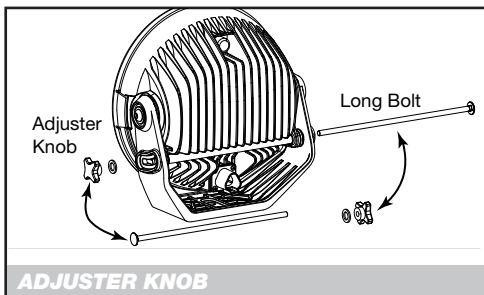
ASSEMBLIES



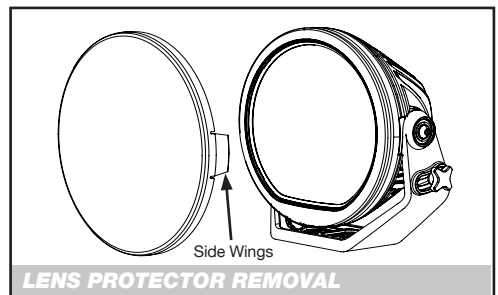
To change the colour trim or bezel, use the trim removal tool provided to lift up the bezel in the slits of each corner circled.



Re-assemble by simply snap locking the colour trim and bezel to the housing.

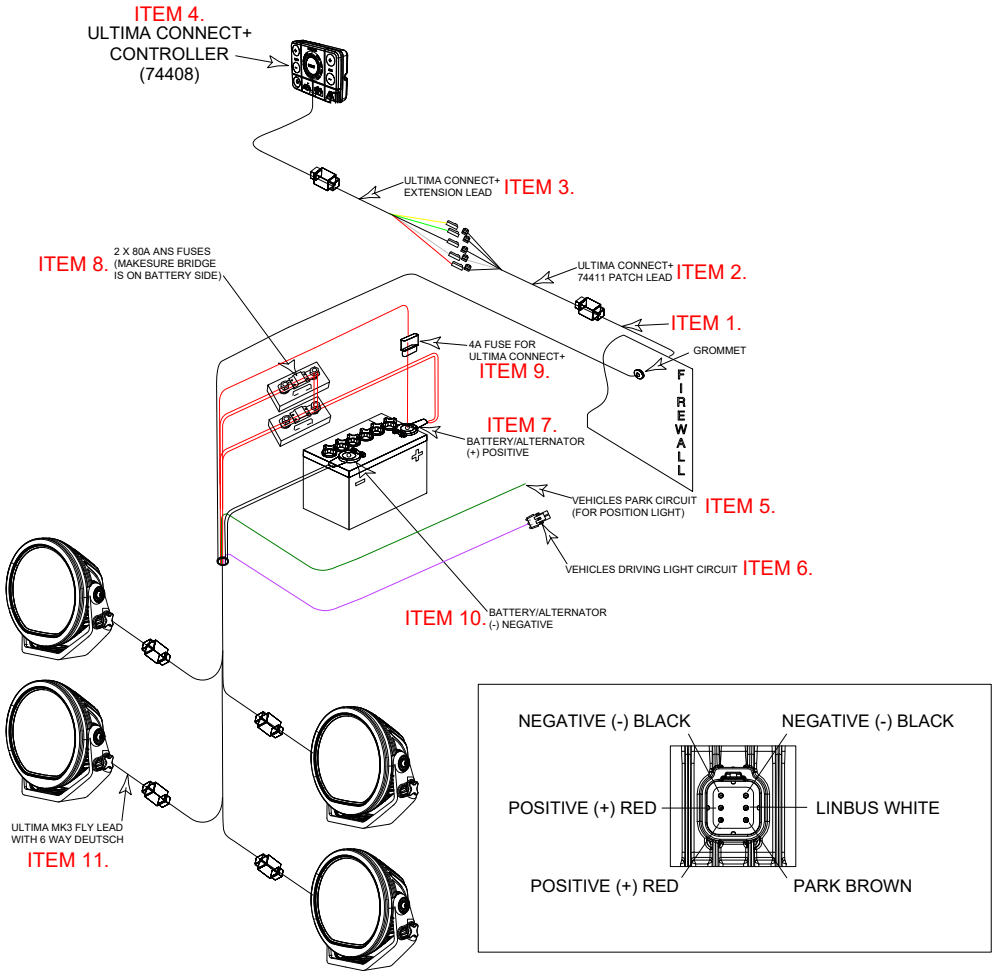


Adjuster Knob can be reversed from left hand to right hand side.



Remove Lens Protector by un-clipping the side wings.

WIRING INSTRUCTIONS FOR CONNECT+ CONTROLLER INSTALL ONLY



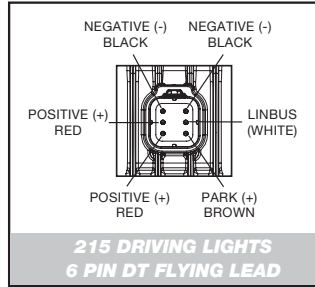
WIRING INSTRUCTIONS FOR CONNECT+ CONTROLLER INSTALL ONLY

WARNING:

One wiring harness to be used per 4 driving lights. Additional lights connected to the same wiring harness can cause wiring and fuse to overload. MK3 215 Spot (P/No. 71745) can draw up to 23Amps of current at 10V per lamp, ensure wiring and fuses used can handle high current and temperature depending on the length. Australian Design Rules (ADR) can only have 8 forward facing lamps (including headlamps) on vehicle.

1. Find suitable area in vehicle firewall to fit 6 way Deutsch Connector labelled "CONNECT+" (ITEM 1.) through firewall and secure with grommet fitted to harness.
2. Attach Ultima Connect+ 74411 Patch Lead to 6 way Deutsch Connector labelled "CONNECT+" (ITEM 2.).
3. Attach Ultima Connect+ Fly lead (ITEM 3.) (comes with 74408 unit) to 74411 Patch Lead using QC connector matching colour to colour. 2 way green and black (Earth and Pos. Lamp), 2 way single Yellow wire to Yellow (High Beam), Single White to White (LINbus) and Single Red to Red (Positive+).
4. Find suitable area on Vehicle dashboard to mount for 74408 Ultima Connect+ Control (ITEM 4.).
5. Find suitable place to run harness through vehicle engine bay. Run harness along chassis rails where appropriate. Harness can also be run along other cabling in engine bay. Cable tie harness where appropriate.
6. Connect the Green wire labeled "VEHICLE POS. LAMP" (ITEM 5.) to vehicle park light circuit or ignition source (+).
7. Most vehicles will have switch fitted for auxiliary driving lights. Please find connector in engine bay labeled "Driving Lights Left" or "Driving Light Right". There is a 2 way Weatherpack connector labeled "High Beam/DL Switch" (ITEM 6.) and has a violet and a black wire. Some vehicles may have a different connector where this connector will need to be removed and another connector will be required to make this connection. This connector will usually be found behind one of the headlamps.
8. Attach Battery Lug (RED) labeled "BATT POS." (ITEM 7.) to vehicle battery/alternator positive side. This runs to a dual ANS fuse holder with two 80amp ANS fuses for a 12V vehicle. (For 24V vehicles, please use 2 x 40amp ANS fuses) Note: Check the nuts on ANS fuse holder posts with ANS fuse fitted are securely tightened and the bridge between the two fuses is on the power/battery side of the holder.
9. Secure/mount ANS fuse holder in a dry area of the engine bay (ITEM 8.).
10. Attach 4Amp Blade fuse holder (ITEM 9.) to same battery/alternator as Battery Lug (RED). This powers the Ultima Connect+ Controller.
11. Attach Battery Lug (BLACK) labeled "BATT NEG." (ITEM 10.) to vehicle battery/alternator/ground post negative side.
12. Run 4 x 6 way Deutsch Connectors (ITEM 11.) to front of vehicle to mounted Ultima MK3 lamps.
13. Test the driving lights by turning on the vehicle's park light and high beams. The driving lights should only illuminate on high beam. Press the Power button on Connect+ when illuminated green to turn driving lights on.

6-PIN DT FLYING LEAD WIRE SPECIFICATION



PIN 1 Negative Black 4MM (16AWG)

PIN 4 Positive Red 4MM (16AWG)

PIN 2 Linbus White 2.5MM (20AWG)

PIN 5 Positive Red 4MM (16AWG)

PIN 3 Park Brown 2.5MM (20AWG)

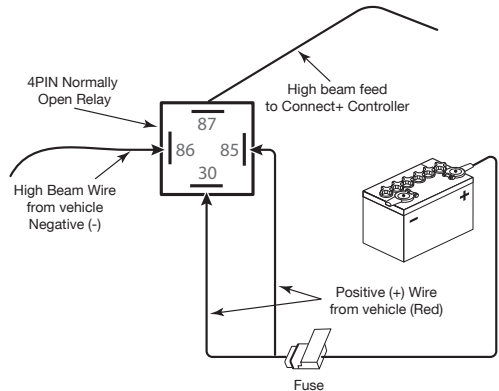
PIN 6 Negative Black 4MM (16AWG)

Note: Driving lights must dip with H/Beam to meet ADR requirements. LINbus wire connection only required with Ultima Connect+ Controller. "High Beam Splitter" included if multiple wiring harnesses are used and require high beam feed.

NEGATIVE SWITCHING

For negative switched vehicles:

1. Using a 4PIN normally open relay (Narva P/No. 68000), connect PIN 30 and PIN 85 to a constant +12V source with 5Amp inline fuse.
2. Connect negative (-) high beam wire from vehicle to PIN 86.
3. Connect PIN 87 to Connect+ Controller High beam feed.



HOW TO USE CONNECT+ CONTROLLER

MAIN

Controls:

180 Ultima Hybrid Driving Lights
215 Ultima Hybrid Driving Lights
24" Ultima Light Bars

Press + to increase brightness
Press - to decrease brightness

BOOST

Overrides all modes and thermal protection system for 30 seconds to provide full brightness with an extra 15% power.

BOOST mode will turn off automatically after 30 seconds and cannot be pressed again until 5 minutes later. The boost ring lights up when ready to use

POWER

White illumination -

Ignition or Parking lights ON

Green illumination -

High beam ON

Press to turn lights ON and OFF when green lights is illuminated



AUX

Controls:

215 Ultima Spot Driving Lights
8" Ultima Light Bars

Press + to increase brightness
Press - to decrease brightness

DIRT ROAD MODE

Provides 100% brightness on all lights

4WD TRACK MODE

Provides 50% brightness on MAIN and 100% brightness on AUX

HIGHWAY ROAD MODE

Provides 100% brightness on MAIN and 50% brightness on AUX

TECHNICAL SPECIFICATIONS - FOR 71745 (SPOT BEAM)

Voltage:	12/24 Dual voltage with reverse polarity protection
LEDs:	33 x 10W CREE LEDs
Housing and Bracket:	Pressure die-cast aluminium housing and bracket
Beam Type:	Hybrid Beam Pattern
Lens:	Polycarbonate
Colour Temperature:	5700°K
Current Draw (per lamp):	20.6A at 13.5V

TECHNICAL SPECIFICATIONS - FOR 71742 & 71744 (HYBRID BEAM)

Voltage:	12/24 Dual voltage with reverse polarity protection
LEDs:	33 x 5W Osram LEDs
Housing and Bracket:	Pressure die-cast aluminium housing and bracket
Beam Type:	Hybrid Beam Pattern
Lens:	Polycarbonate
Colour Temperature:	5700°K
Current Draw (per lamp):	14.9A at 13.5V

PARTS AVAILABLE

74407	Ultima LED Wiring Harness to suit 71732, 71734, 71742, 71744 and 71745
72224	Ultima 215 LED – Lens Protector Clear
72224BK	Ultima 215 LED – Lens Protector Black
72224BLK	Ultima 215 LED - Alternate LED Protector
72224YW	Ultima 215 LED - Lens Protector Selective Yellow
74145B	Ultima 215 LED – Metal Bezel (Black)
74145S	Ultima 215 LED – Metal Bezel (Satin)
74147	Bullbar adaptor plate kit
74444	Ultima 215 LED – Adjustment Bolt and Knob
74444BK	Ultima 215 LED – Adjustment Bolt and Knob Black
74445	Ultima 215 LED – Bracket Kit

WARRANTY STATEMENT

Brown & Watson International Pty Ltd ("BWI") of 1500 Ferntree Gully Road, Knoxfield, Vic., telephone (03) 9730 6000, fax (03) 9730 6050, warrants that all products described in its current catalogue will under normal use and service be free of failures in material and workmanship for a period of one (1) year from the date of the original purchase by the customer as marked on the invoice. This warranty does not cover ordinary wear and tear, abuse, alteration of products or damage caused by the purchaser. To make a warranty claim the consumer must deliver the product at their cost to the original place of purchase or to any other place which may be nominated by either BWI or the retailer from where the product was bought in order that the warranty assessment may be performed. The consumer must also deliver the original invoice evidencing the date and place of purchase together with an explanation in writing as to the nature of the claim. In the event that the claim is determined to be for a minor failure of the product then BWI reserves the right to repair or replace it at its discretion. In the event that a major failure is determined the consumer will be entitled to a replacement or a refund as well as compensation for any other reasonably foreseeable loss or damage. This warranty is in addition to any other rights or remedies that the consumer may have under State or Federal legislation.

IMPORTANT NOTE

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.

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