



INSTALLATION GUIDE

IRONMAN 4X4 LIGHTING

GAMMA

7" / 175mm 100W Halogen
Driving Light / Spot Light
H3 Bulb



VEGA

9" / 220mm 100W Halogen
Spot Lights
H1 Bulb



SUPERNOVA

9" / 220mm 35W HID
Spot Light
H11, 6000k Bulb



IMPORTANT: Please read and fully understand these fitting instructions prior to installing your Ironman 4x4 Driving Lights

Mounting

Consult your local and state regulations regarding minimum and maximum mounting height above the ground, or specific requirements. Mount both of the lamps at the same height. Nudge bars, light bars and bull bars make excellent mounting platforms. Position the lamps at an equal distance from the centre of the vehicle. Make sure the driving lights do not restrict airflow to the radiator or obstruct the headlights, turn signals, or parker lights.

Installation

Using a test light, locate your vehicle's high beam circuit. Most vehicles use a positive switching system for high beam, but others such as some Toyotas use a negative switching system. This can be checked at the back of the headlight or at the headlight switch loom.

To check for *positive switching* connect the test light to an earth and check for a positive wire that only has power when high beam is switched on.

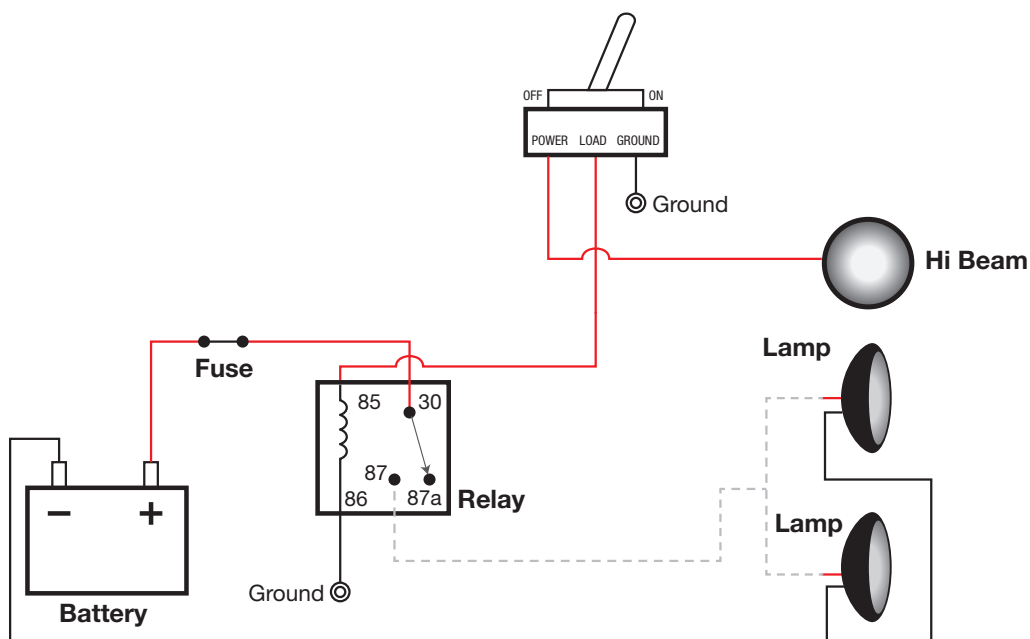
To check for *negative switching* connect the test light to a positive power supply and check for a wire that only has an earth when high beam is switched on.

Once this has been established refer to the relevant wiring diagram.

Positive Switching

1. Find a sheltered location in engine bay to mount relay away from extreme heat sources and moving parts. Relay must always be mounted in an upright position.
2. Connect a 4mm wire from terminal 86 on relay to a good earth.
3. Connect a 5mm wire from terminal 87 to positive wires on driving lights.
4. Connect 5mm wires from driving lights to a good earth (preferably to battery).
5. Find a convenient position on dash board to mount driving light switch.
6. Connect 3mm wire from ground terminal on switch to a good earth.
7. Connect 3mm wire from power terminal on switch to high beam wire on vehicle.
8. Run 3mm wire from load terminal on switch through the fire wall to the terminal 85 on relay.
9. Connect a 5mm wire via a fuse from terminal 30 on relay to positive battery terminal.

Positive Switching



Negative Switching

1. Find a sheltered location in engine bay to mount relay away from extreme heat sources and moving parts. Relay must always be mounted in an upright position.
2. Connect 4mm wire from terminal 86 on relay to the negative high beam wire on headlight.
3. Connect 5mm wire from terminal 87 to positive wire on driving lights.
4. Connect 5mm wires from driving lights to a good earth (preferably to battery).
5. Find a convenient position on dash board to mount driving light switch.
6. Connect 4mm wire from ground terminal on switch to negative high beam wire on headlight.
7. Connect 4mm wire from power terminal on switch through fire wall to positive high beam wire on headlight.
8. Run a 4mm wire from load terminal on switch through the fire wall to the terminal 85 on relay.
9. Connect a 5mm wire via a fuse from terminal 30 on relay to positive battery terminal.

Negative Switching

