



Warning - Read these instruction thoroughly Failure to do so may damage light.

Fitting Instructions for New AFN 4x4 Australia LED Fog Light

These instructions are intended to assist with the installation of the new AFN Fog Light.

Some Basic mechanical skills are required for the proper installation of this product.

Please fit the light before fitting the Bullbar to the Vehicle.

Tools required:

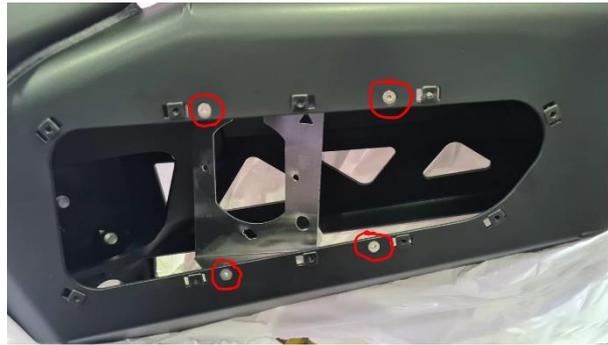
1. 3mm Allen Key
2. 2.5mm Allen Key
3. T20 Torx driver
4. Roll Style Terminal crimper
5. Side Cutters
6. Wire strippers

Please ensure that you have received all of the parts as laid out in the image below:



Step 1:

Remove the Light Cages from the Bullbar. Using a 2.5mm allen key and 7mm spanner



Step 2:

Assemble the ball end adjusting screw and Ball retainer.

Insert the ball end screw into the retainer and push in until the ball end clips into place. A reasonable amount of force will be required to push it into place.



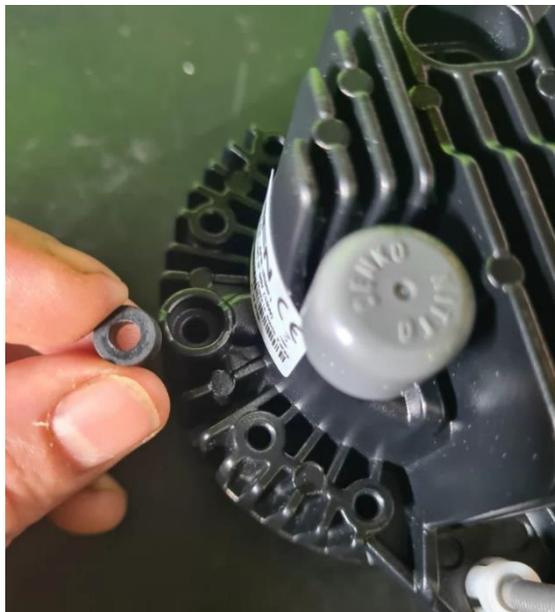
Step 3:

Insert the assembled adjusting screw into the light housing.

Push the assembly into the housing. This will also require a reasonable amount of force. Please note that once this piece is fitted it is very difficult to remove this assembly. Do not fit the retainer first as it is not possible to fit the adjusting screw once this part is inserted into the light housing



Step 4: Fit the two rubber grommets into the light housing.



Assembled View:



Step 5: Fit the adjuster retaining nut.

Insert the Small Plastic Retaining nut and rotate 90 degrees to prevent the nut from falling out. If needed, a small amount of Super Glue can be added to this nut during fitting. Ensure that no glue is put into the threaded area.



Step 6: Fit the light into the housing.

Place the light into the housing and fit the adjusting screw into the retaining nut and turn the screw until the light is all the way against the light cage. Adjust the light to a vertical position. Don't worry about the exact position as this will be done once fitted to the car.



Step 7: Securing the light.

!!!Warning!!! Please pay special attention to this instruction. Using the two M4 screws fasten the light housing into place. Please note the housing does not have a thread and the unit has been designed so that the screw will create a thread when inserted. Please do not force this thread as the bolt will break. Use a small amount of lubricant and slowly tighten the screw. As you are tightening the screw also untighten the screw and if required add additional lubricant. If you break the screw you will need to purchase a new light. Please note that this is not a warranty item if damaged. Please ensure that you do not fully tighten the screws. The idea is that you only tighten the screw until the rubber grommet starts to compress. If you over tighten these screws the adjustment may be limited.



Step 8:

Once you have assembled both Lights to their cages proceed to fit the light assemblies back into the Bullbar.



Step 9: Preparing the electrical connectors.

For the New Hilux you will need to cut the existing plug off the Fog Light Wiring Harness. Ensure that sufficient wire is left exposed so as to ensure the new plug is fitted correctly.



The light Kit is supplied with 2 new AMP style connector plugs to fit to the new lights



Prepare the cable end and trim back approximately 8mm of insulation to expose the wire. Make sure the yellow grommet is fitted to the wire prior to crimping the ferrule.



Using a Roll Style Terminal crimper (1.5mm) proceed to crimp the terminals onto the existing Fog Light wires.



Once crimped the terminal should look like this



Identify the Positive and Negative wires on the Fog light wiring circuit and ensure they are correctly inserted into the Connector Plug

Insert the Crimped Wire into the holder and fit the rubber grommet as shown. This image shows the correct fitment of the positive terminal

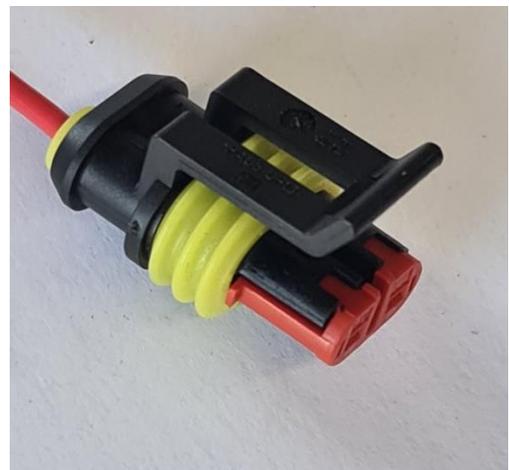


When inserting the terminal ensure that the orientation of the terminal is as shown.



Once both Wires are fitted push the locking clip into position.

Please note that the lights are reverse polarity protected and no damage will occur if incorrectly wired.



You are now ready to go ahead and fit the Bullbar to the Vehicle and connect the lights.

At this stage do not fit the light surrounds as you will still need to adjust the beam of the fog lights.

Once you have done this you can proceed to fit the light surrounds.

When fitting the Surrounds pay special attention to the fitment of the Torx screws. Ensure that the screw locates the centre of the plastic clip nut.



When securing the Light Surround be careful not to overtighten this cover as it may distort the edging.



Should you require any additional information please contact AFN 4x4 Australia on 1300 AFN4X4 or send us an email at sales@afn4x4.com.au

Please note that on some vehicles the "TOP" indication printed into the lens may be upside down. Please note that this does not affect the performance of the light as the beam pattern is 100% symmetrical. It does also not affect the IP rating or operation.

