



FITTING INSTRUCTIONS

TJ & TJ UNLIMITED JEEP REAR BAR ACCESSORIES

- **PART No 575 0050 LICENCE PLATE LAMP KIT .**
- **FITTING KIT No :- 617 2144**

WARNING

NOTE THE FOLLOWING:

- ◆ This product must be installed exactly as per these instructions using only the hardware supplied.
- ◆ In the event of damage to any bull bar component, contact your nearest authorised ARB stockist. Repairs or modifications to the impact absorption system must not be attempted.
- ◆ Do not use this product for any vehicle make or model, other than those specified by ARB.
- ◆ Do not remove labels from this bull bar.
- ◆ This product or its fixing must not be modified in any way.
- ◆ The installation of this product may require the use of specialized tools and/or techniques
- ◆ It is recommended that this product is only installed by trained personnel
- ◆ These instructions are correct as at the publication date. ARB Corporation Ltd. cannot be held responsible for the impact of any changes subsequently made by the vehicle manufacturer
- ◆ During installation, it is the duty of the installer to check correct operation/clearances of all components
- ◆ Work safely at all times
- ◆ Unless otherwise instructed, tighten fasteners to specified torque

ARB 4x4 ACCESSORIES

Corporate Head Office

42-44 Garden St
Kilsyth, Victoria
AUSTRALIA 3137

Tel: +61 (3) 9761 6622
Fax: +61 (3) 9761 6807

Australian enquiries
North & South American enquiries
Other international enquiries

sales@arb.com.au
sales@arbusa.com
exports@arb.com.au

www.arb.com.au

GENERAL CARE AND MAINTENANCE



By choosing an ARB Bar, you have bought a product that is one of the most sought after 4WD products in the world. Your bar is a properly engineered, reliable, quality accessory that represents excellent value. To keep your bar in original condition it is important to care and maintain it following these recommendations:

- Prior to exposure to the weather your bar should be treated to a Canuba based polish on all exposed surfaces. It is recommended that this is performed on a six monthly basis or following exposure to salt, mud, sand or other contaminants.
- As part of any Pre Trip Preparation, or on an annual basis, it is recommended that a thorough visual inspection of the bar is carried out, making sure that all bolts and other components are torqued to the correct specification. Also check that all wiring sheaths, connectors, and fittings are free of damage. Replace any components as necessary. This service can be performed by your local authorized ARB Stockist.

REQUIRED TOOLS FOR FITMENT OF PRODUCT :-

PHILLIPS AND FLAT SCREW DRIVER SET, ELECTRIC DRILL AND METRIC DRILL BITS (6 mm) AND A PHILLIPS HEAD DRIVER BIT, WIRE CUTTERS, SOLDERING IRON & SOLDER, INSULATING TAPE OR HEAT SHRINK TUBE .

HAVE AVAILABLE THESE SAFETY ITEMS WHEN FITTING PRODUCT :-

Protective eyewear		Hearing protection	
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NOTE: 'WARNING' notes in the fitting procedure relate to OHS situations, where to avoid a potentially hazardous situation it is suggested that protective safety gear be worn or a safe work procedure be employed. If these notes and warnings are not heeded, injury may result.

USE	PART No	QTY	DESCRIPTION
LICENCE PLATE TO WHEEL CARRIER .	678 1408	1	DOUBLE SIDED TAPE
	PT 003-12B	4	RUBBER CAP
	615 1143	4	SELF DRILLING SCREWS
LICENCE PLATE LAMP TO WHEEL CARRIER .	860 60 BL	1	LICENCE PLATE LAMP
	682 1194	1	FIGURE 8 TWIN CORE WIRE x 750 mm long
	CR 07	1	PLASTIC CONVOLUTED TUBE x 750 mm long
	PT 003 -12B	2	RUBBER CAP
	615 1143	2	SELF DRILLING SCREWS
LICENCE PLATE LOOM TO VEHICLE LOOM	180 701	2	SCOTCH LOCK CONNECTORS
	180 302	3	CABLE TIES
LICENCE PLATE LOOM TO WHEEL CARRIER	180 302	2	CABLE TIES

LICENCE PLATE TO WHEEL CARRIER



Four screws
required

Slime line plate .



Two screws
required

Full size plate .

1. INSTALLATION OF THE LICENCE PLATE

Place the licence plate in the desired position centred between the hitch receiver and the wheel carrier frame as shown .

Apply the double sided tape to the rear surface of the licence plate .

Ensure the licence plate is level and the bottom edge is positioned approximately 10 mm from the bottom of the arm .

Using an electric drill fitted with a Phillips head bit attach the licence plate to the arm with the self drilling screws . On a full size plate only the lower holes are used .

Note :- A full size licence plate including USA will overhang the top surface of the wheel carrier arm .



2. PROTECTIVE RUBBER CAP

On the exposed ends of the self drilling screws – located inside the wheel carrier channel , push the rubber cap over the end of the screws .

This will also need to be repeated on the next step for the licence plate lamp .



3. INSTALLATION OF THE LICENCE PLATE LAMP

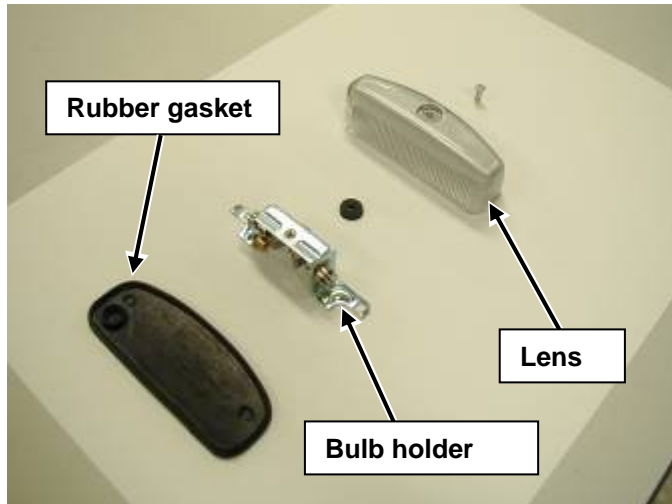
Remove the rubber gasket from the base of the licence plate lamp .

Align the straight edge of the gasket with the out board edge of the licence plate lamp and position the lamp centrally about the licence plate as shown .

Using an electric drill as before use the gasket as a template and drill the two mounting holes with the screws provided .

A 6mm hole will also need to be drilled for the wiring to pass through .

LICENCE PLATE LAMP & LOOM TO WHEEL CARRIER AND VEHICLE



4. INSTALLATION OF THE LICENCE PLATE LAMP

Remove the gasket and screws as covered in the previous step .

Dis – assemble the lamp as shown .

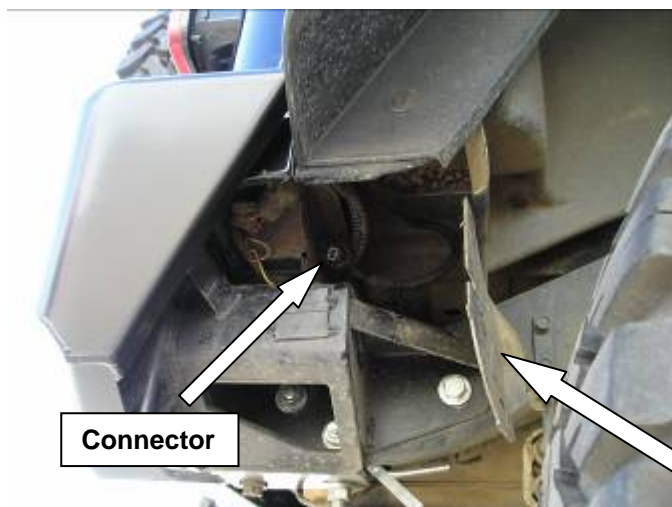
Place the gasket and the bulb holder over the drilled holes and attach to the wheel carrier arm .



5. LICENCE PLATE LOOM

Fit the twin core wire into the convolute tubing supplied in the fitting kit .

Feed the wire and tube through the hole in the rear step tow bar and push through under the body as shown .



6. VEHICLE LICENCE PLATE / FOG LAMP LOOM

Pull back the plastic cover in the wheel arch area to expose the factory licence plate / fog lamp loom .

Note :- The connector for this was dis – connected when the rear bumper bar was removed to fit the new rear step tow bar .

LICENCE PLATE LOOM TO VEHICLE

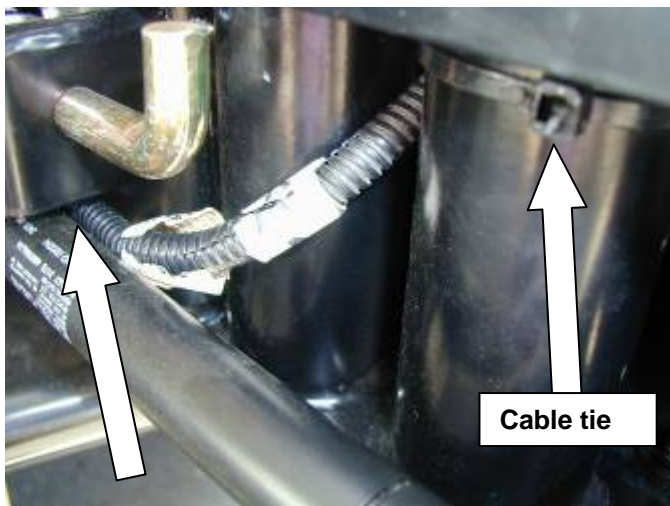


7. Pull through enough of the new convoluted tube and wire to attach to the existing loom .

Pull back the tubing on the vehicle loom to expose the wires as shown .

Use the scotch locks to attach the red wire to the positive wire on the licence plate loom and the red / black to the earth wire on the same loom . (the spare wire is for the fog lamp which is not re - fitted) .

Secure the new wiring & tube (under the body) with the cable ties provided .



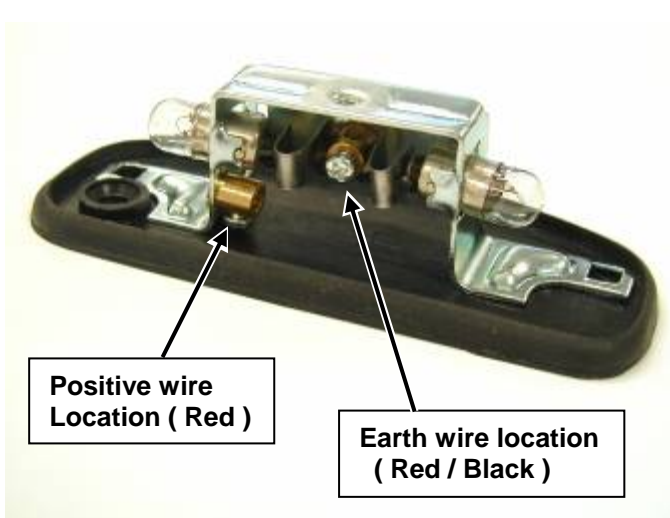
8. VEHICLE LOOM TO LICENCE PLATE LAMP

Pull the excess tubing & wiring through the rear step tow bar toward the lamp .

Feed the wiring in between the two tubes within the channel and cable tie to the frame as shown . Leave a small amount of free play in the loom for when the door is opened

Push the twin core wire through the 6mm hole (drilled in step 3) .

Trim the excess convolute tubing away – ensure the convolute tubing is flush with the inside of the wheel carrier channel .



9. WIRING THE LICENCE PLATE LAMP

Measure out the required amount of wire to make the connection to the lamp and cut off the excess .

Split the twin core wire into single pieces and strip each end .

Connect the wires to the lamp as shown .

LICENCE PLATE LAMP TO WHEEL CARRIER ARM



10. RE – FIT LICENCE PLATE LENS AND CHECK LAMP FUNCTION

Re – fit the lens to the housing .

NOTE :- Do not over tighten the lens screw as it will crack the lens . Ensure the rubber washer is fitted between the bulb holder and the inside of the lens .

Check that the licence plate lamp is functional and the wheel carrier door does not snag or catch the new wiring loom .

