

Part Number:3446320Fitting Kit<br/>No.6172350Product<br/>Description:COMBINATION BULL BAR FLAREDSuited to<br/>vehicle/s:MITSUB1SHI TRITON 2009 ON

## WARNING

#### **REGARDING VEHICLES EQUIPPED WITH SRS AIRBAG;**

When installed in accordance with these instructions, the front protection bar does not affect operation of the SRS airbag.

#### ALSO, 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**

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## 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.
- Please contact local Authorised ARB Stockist if you would like to have this service carried out on your behalf.

#### HAVE AVAILABLE THESE SAFETY ITEMS WHEN FITTING PRODUCT:

#### BASIC TOOL KIT

JIG SAW OR KEY HOLE SAW

Protective eyewear



Hearing protection



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.

## **FASTENER TORQUE SETTINGS:**

SIZE	Torque Nm	Torque lbft
M6	9Nm	7lbft
M8	22Nm	16lbft
M10	44Nm	32lbft
M12	77Nm	57lbft

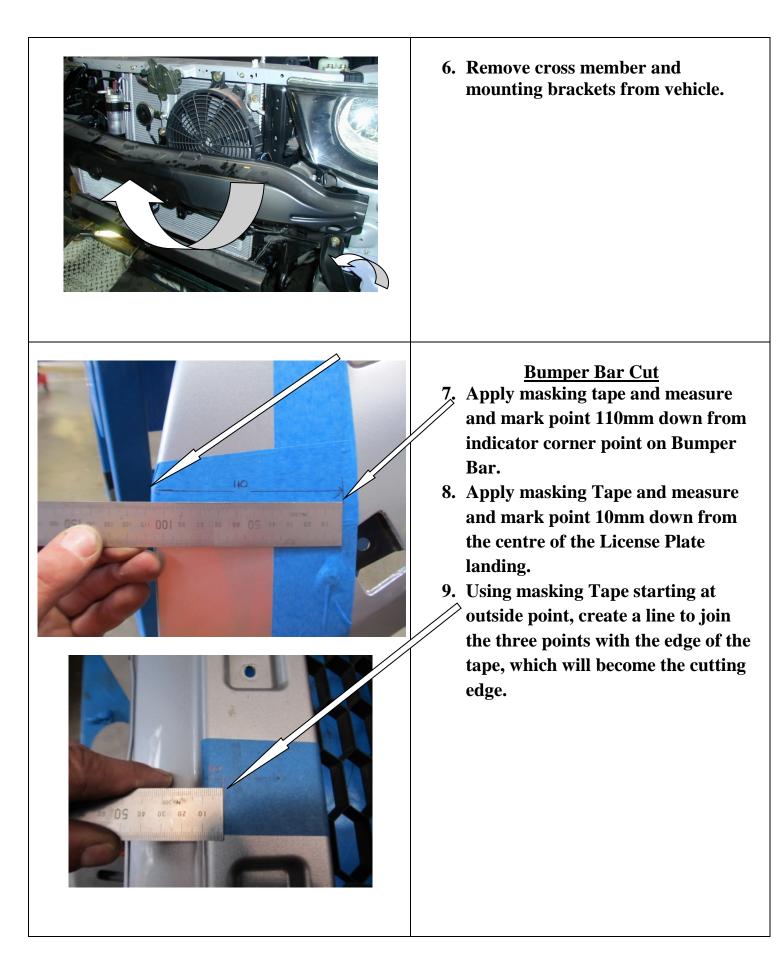
#### OPTIONAL LIGHT SETS TO SUIT THIS PRODUCT: ARB FOG LIGHT KIT SUIT 6821201 Up to IPF 900 SERIES FOG OR DRIVING LIGHT SETS

USE	PART No	QTY	DESCRIPTION
USE	6151357	7	BOLT M10 x 1.5 x 30mm SEMS ASSY
	6151090	2	BOLT M10 X 1.25 X 50mm
	6151040	1	BOLT M10 X 1.25 X 30mm
	4581040	3	WASHER FLAT M10
	4581048	3	WASHER SPRING M10
IMPACT ABSORBER	4584291	2	WASHER CLAMPING
MOUNTING SYSTEM	3758945 5848329	1 2	MOUNT ASSEMBLY PACKER LOCATING
	6151321	7	NUT M10 FLANGE
	6151021	2	BOLT M8 X 20mm
	4581044	2	WASHER FLAT M8
	4581046	2	WASHER SPRING M8
	6151132	2	NUT FLANGE M8
	3756929 L/R	2	BRKT REAR EXTENSION BRACE
	6151357	4	BOLT M10 x 30mm SEMS ASSY
	6151360	6	BOLT M12 X 1.75 X 35 COARSE PITCH
BULL BAR TO	4581007	6	WASHER FLAT M12 X 37 X 4
IMPACT ABSORBERS	4581050 6151428	6	WASHER SPRING M12
	6151428	6 4	NUT FLANGE M12 NUT FLANGE M10 X 1.5
	3788074	4	TEMPLATE TO CUT FRONT BUMPER
	3194353	2	PACKER PLATE
	6151021	2	BOLT M8 x 20mm
CONTROL BOX BRACKET	4581044	2	WASHER FLAT M8
	3751564	1	CONTROL BOX BRACKET
	6151132	2	NUT FLANGE M8
	6151180	4	BOLT M6 x 20mm (BRACKET TO BAR)
	6151046	4	WASHER FLAT M6 x 13mm
NUMBER PLATE BRACKET	6151128	4	NUT FLANGE M6
	3751313	1	NUMBER PLATE BRACKET
	6151384 6821189	$\frac{2}{2}$	SCREW PAN HD (NON WINCH BAR) GROMMET RHS
	3163015	1	COMBINATION LIGHT SURROUND KIT
INDICATORS TO BAR	6821152 180701	2 6	TURN SIGNAL / CLEARANCE LIGHT LOOM SCOTCH LOK
INDICATORS TO BAR	6821151L	0	TURN SIGNAL / CLEARANCE LIGHT
	6821151R	1	TURN SIGNAL / CLEARANCE LIGHT
BUFFERS	6151128	12	NUT FLANGE M6
	3162466 L/R	2	BUFFERS 260 X 230 UPRIGHT BAR
	6522664	1	AIR DEFLECTOR
	6151262	3	BOLT M8 X 20mm BLACK
	6151301		NUT CAGED M8
	4581075	3	WASHER FLAT M8 x 20mm BLACK
AIR DEFLECTOR	4581047	3	WASHER SPRING M8 BLACK
	6151213 4581082	4	BOLT M6 X 20MM BLACK WASHER FLAT M6
	4581082	4	WASHER FLAT MO WASHER SPRING M6
	6151300	4	NUT CAGED M6
	6151213	8	BOLT M6 x 20mm BLACK
	4581082	8	WASHER FLAT M6 BLACK
	4581287	8	WASHER SPRING M6 BLACK
	6151300	8	NUT CAGED M6
	6151301	4	NUT CAGED M8
UNDER WING PANEL	6151262	4	BOLT M8 X 20MM BLACK
	4581075	4	WASHER FLAT M8 BLACK WASHED SDDING M8 BLACK
	4581047 3758191	42	WASHER SPRING M8 BLACK BRACKET ADJUSTABLE WING UNDER PANEL
	6522843L	2 1	WING UNDER PANEL LHS
	6522843R	1	WING UNDERPANEL RHS
MISCELLANEOUS	6191015	2	PLASTIC MOULDING 450MM
	BLB 600	1	BATTERY LEAD 600MM BLACK
	180302	8	CABLE TIES
	6151073	2	BOLT 3/8" X 1 <sup>1</sup> /2"
WINCH FITMENT	6151075	2	BOLT 3/8" X 1 <sup>3</sup> / <sup>4</sup> "
	4581040	4	WASHER FLAT M10
	4581040 EG50	4 2	WASHER FLAT M10 GROMMET RUBBER

WINCH HOLE COVER PANEL (IF NOT FITTING WINCH	6522886 6151256 6151128 4581304 6191006	2 2 2	WINCH HOLE COVER SCREW M6 BUTTON HEAD S/S NUT FLANGE M6 WASHER M6 S/S RUBBER EXTRUSION WINCH COVER
OPTIONAL FOG LAMPS	6821201	1	FOG LAMP KIT

#### ASSEMBLY SEQUENCE FOR BULL BAR INSTALLATION. PLEASE READ AND UNDERSTAND FITTING INSTRUCTIONS BEFORE ATTEMPTING TO FIT BAR TO VEHICLE

<image/>	<ol> <li>To fit a bar to vehicle, the plastic bumper, grill panel has to be cut.</li> <li>The bumper will be cut later. Refer to step 8.</li> </ol>
	<ol> <li>Remove grill and plastic bumper panel from front of vehicle.</li> <li>When removing bumper, you will have to unclip flares half way back towards rear of vehicle.</li> <li>Remove factory Stone Shield and retain with bolts.</li> </ol>





**10.Remove metal Bumper Support** Brackets by drilling out the Rivets.

- 11.Apply another strip of Tape opposite to protect the Bumper from being marked whilst cutting.
- 12.Using a small Hand Saw or Jigsaw cut along marked line from one side to the other. De bur sharp edges and remove tape.

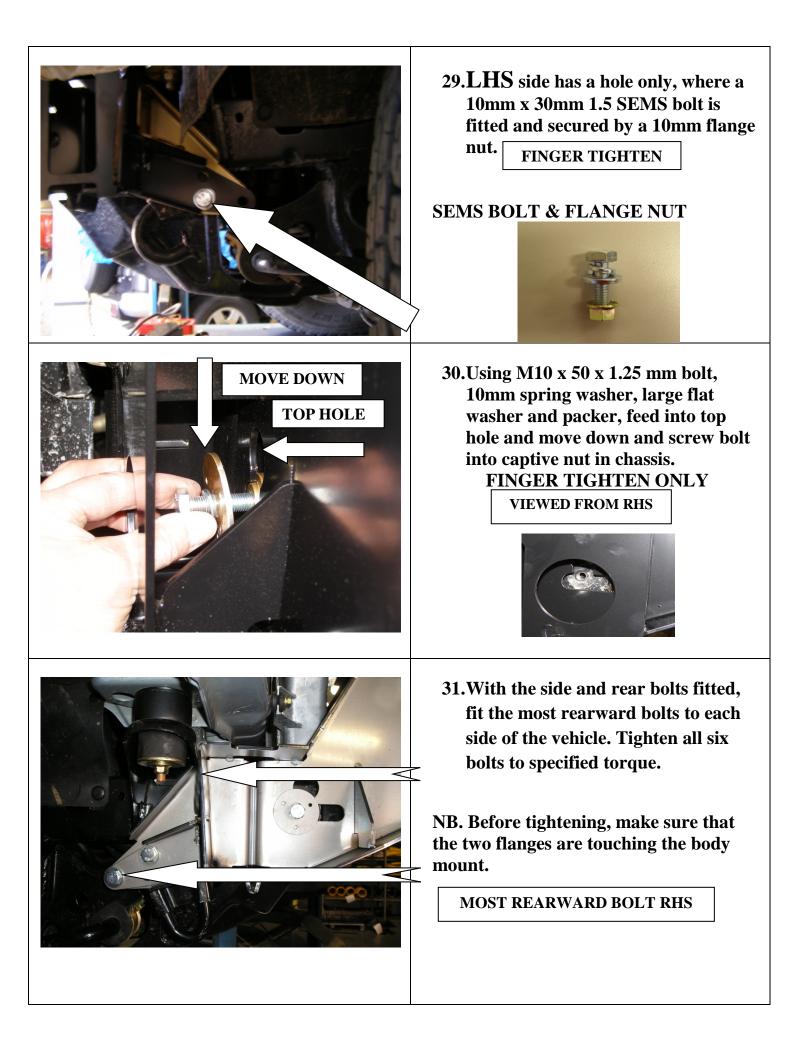


- 13.Refit bumper back to vehicle and secure using originals fittings.
- 14.At this stage it is time to cut the lower section of the flares.
- 15. Temporarily refit front of flare back to front of vehicle.
- 16.Using the template supplied in bolt kit, fit to vehicle as per photo and secures using tape.
- 17.Draw a line to cut, and then remove template and mark out other side.

<image/>	<text></text>
	19.When flare is cut off clean up with a file.
	<ul> <li>20.Now the next step is to mark out and cut off bumper panel under the flare.</li> <li>21.Follow the flare line down as per photo and under bottom of flare.</li> </ul>









- 32.Using a 10mm drill bit, drill holes through chassis cross member, using holes in mount as a template.
- 33.Secure using 10mm X 30mm SEMS bolts, 10mm flange nuts. When the two bolts are fitted, tighten to specified torque.





34.Using a long 10mm drill bit, drill through vehicle body mount using hole in mount as a template, secure using 10mm X 30mm SEMS bolt,10mm flange nut. When both sides of vehicle are done, tighten to specified torque.

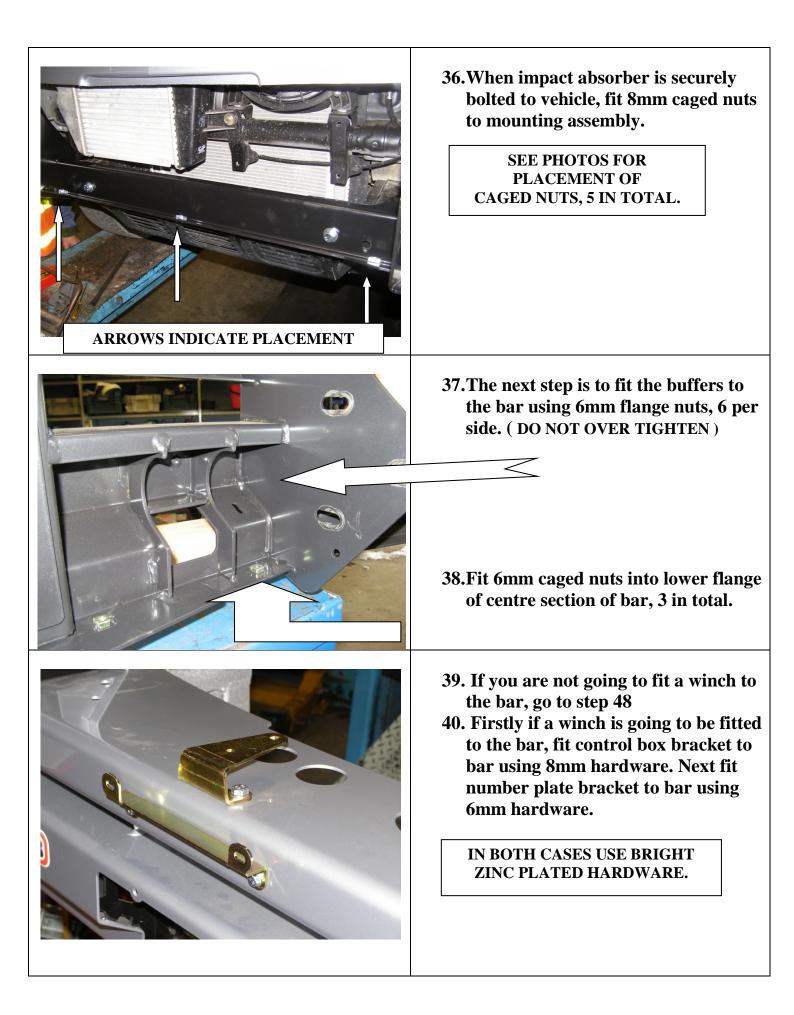


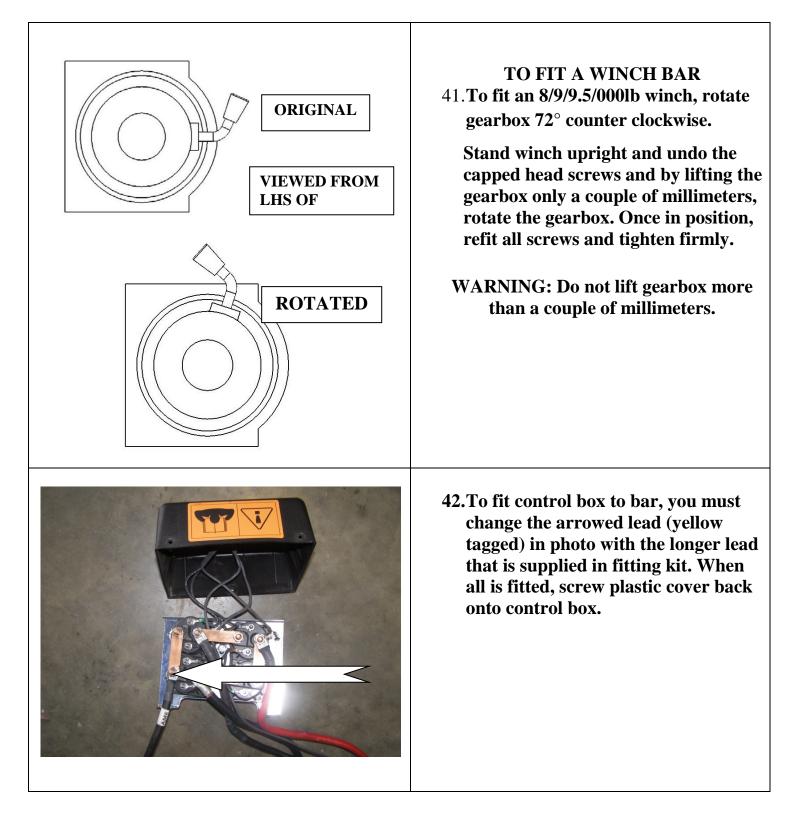
35.Lastly, fit M8 x 20mm bolt, spring washer, flat washer and 8mm flange nut to mounting assembly and ☐ tighten to specified torque.

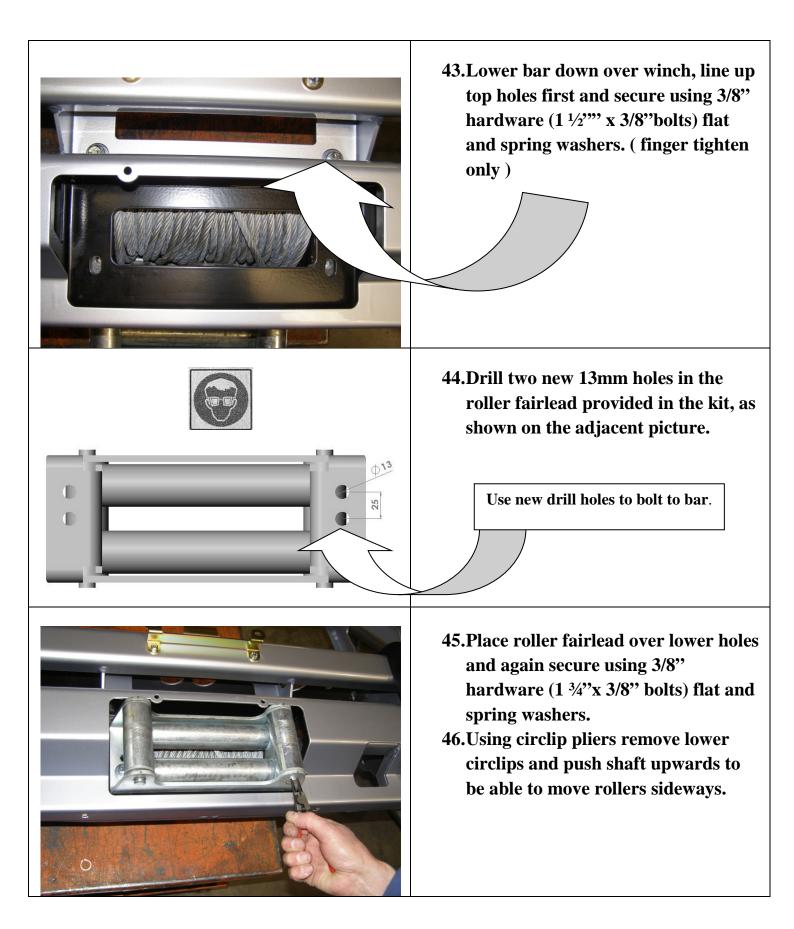
> USE BRIGHT ZINC M8 HARDWARE

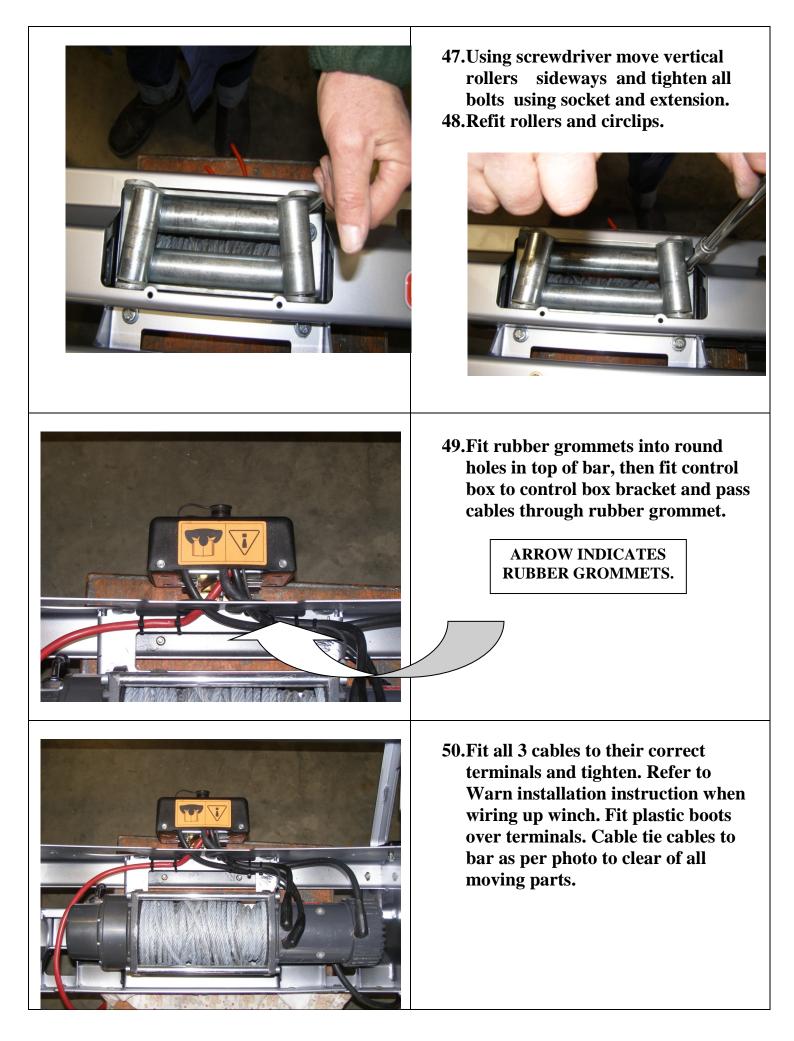
**SEE PHOTO STEP 27** 

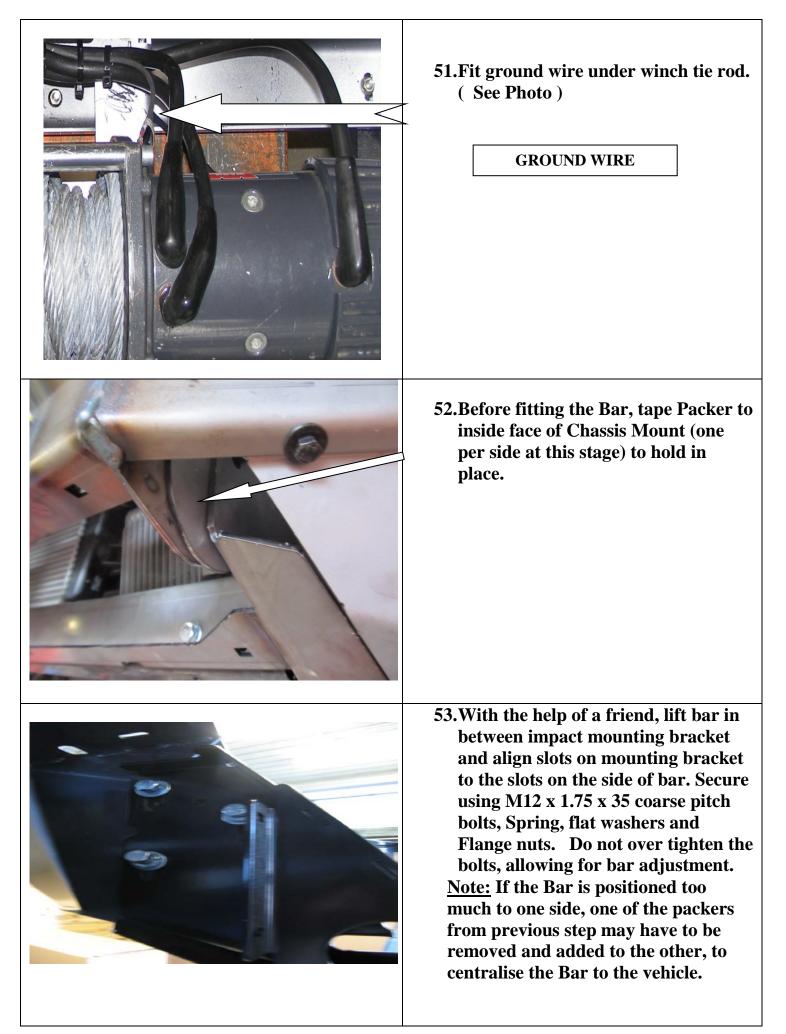
**8MM HARDWARE** 

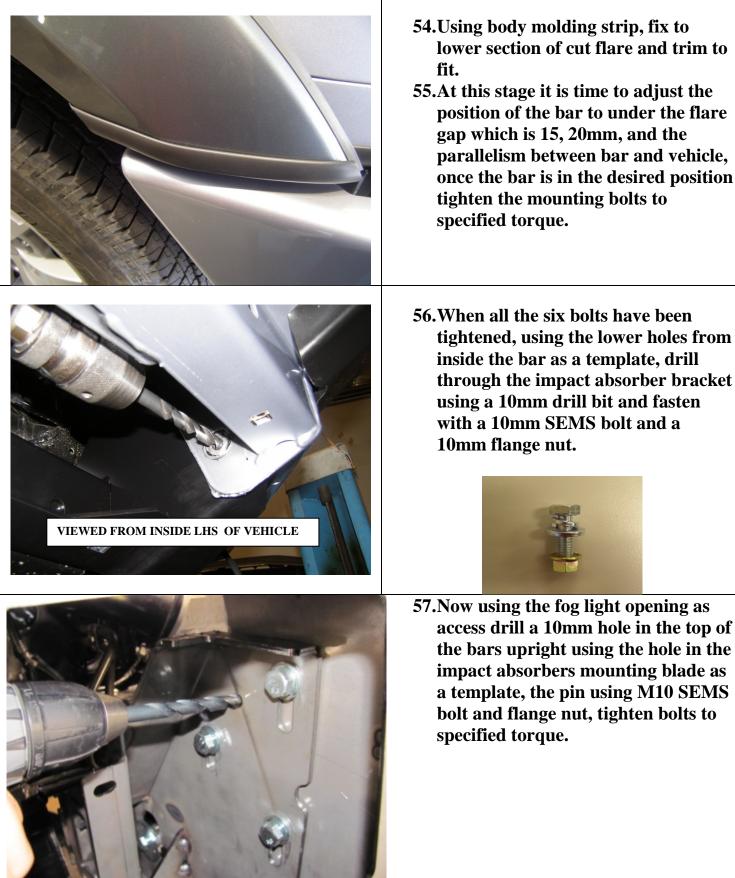








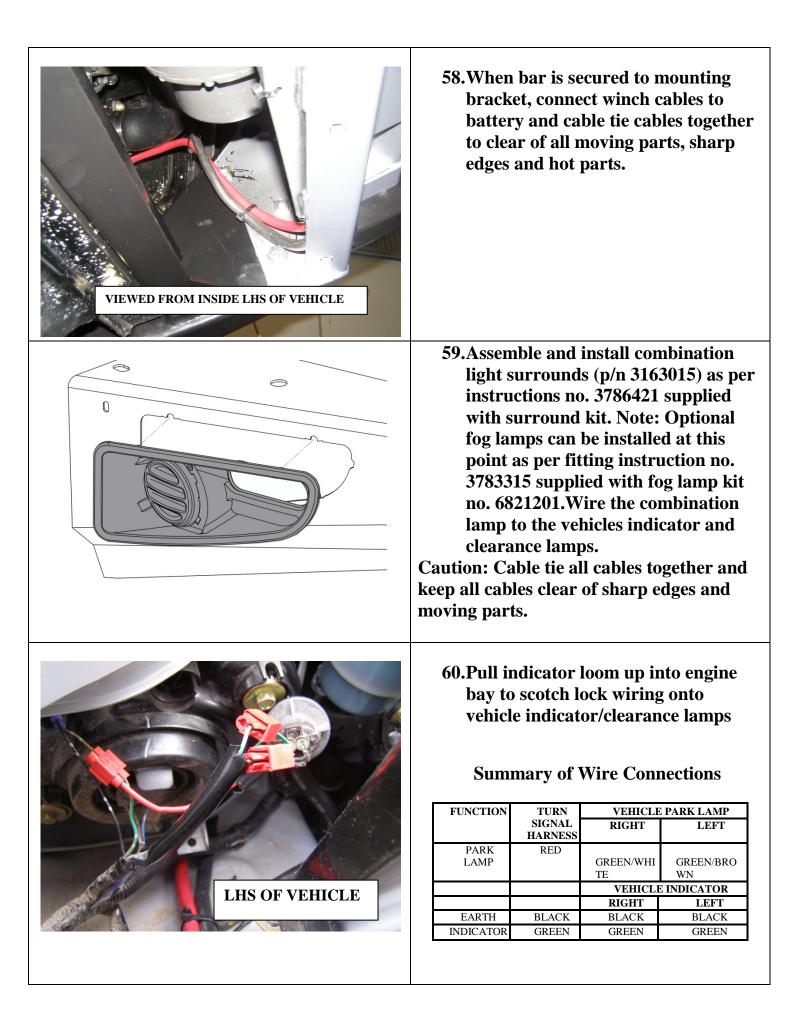




- 54.Using body molding strip, fix to lower section of cut flare and trim to
- 55.At this stage it is time to adjust the position of the bar to under the flare gap which is 15, 20mm, and the parallelism between bar and vehicle, once the bar is in the desired position tighten the mounting bolts to specified torque.
- 56. When all the six bolts have been tightened, using the lower holes from inside the bar as a template, drill through the impact absorber bracket using a 10mm drill bit and fasten with a 10mm SEMS bolt and a 10mm flange nut.



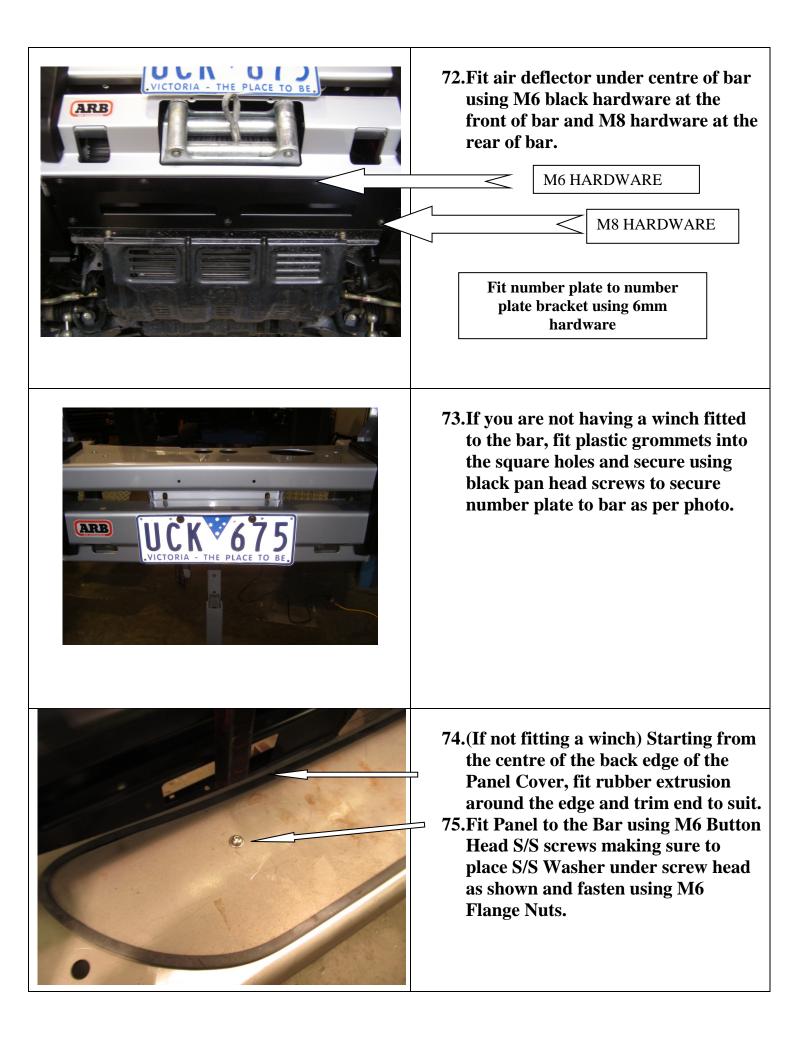




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	62.The next step is to fit the wing under panels, firstly M8 cage nuts must be fitted to the mount assembly as shown.
	63.Also M8 cage nuts must be fitted to the adjustable wing under panel brackets as shown.

	64.At this stage loosely fit the adjustable wing under panel bracket to the mount assembly.
PHOTO INSIDE VIEW OF LHS	65. Fit M6 Cage nuts into both L/RHS under Wing Panels. (4 per side)
	<ul> <li>66.Now position the adjustable wing under panel bracket so that it aligns with the lower slot on the wing under panel and tighten the bracket in place to specified torque.</li> <li>67.Then securely bolt the lower wing under panel to the adjustable bracket.</li> </ul>
Shares a	Fit M8 black hardware as per arrow.

RHS	<text></text>
	<ul> <li>69.Refit the fender liner to the vehicle. Press the fender liner up to the wing under panels and using a scriber, score a line on the liner against the side and lower edges.</li> <li>70.Trim to the scored line with a sharp knife or small saw.</li> </ul>
	71.Push the fender liner past the Wing Panel returns.



#### FINAL PRODUCT SHOWN ON VEHICLE

