

Part Number:	3946310	F/KIT: 6173173
Product Description:	COMBINAT	ION SAHARA BAR FLARED
Suited to vehicle/s:	MITSUBISH	I TRITON 2006 ON
Buffer Kit:	5100020 (Sah	ara Bar), 5100030 (Sahara Bumper)
Centre Frame:	5146010 (Pol	ished Centre Frame)

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 you're 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	4lbft
M8	22Nm	16lbft
M10	44Nm	32lbft
M12	77Nm	57lbft

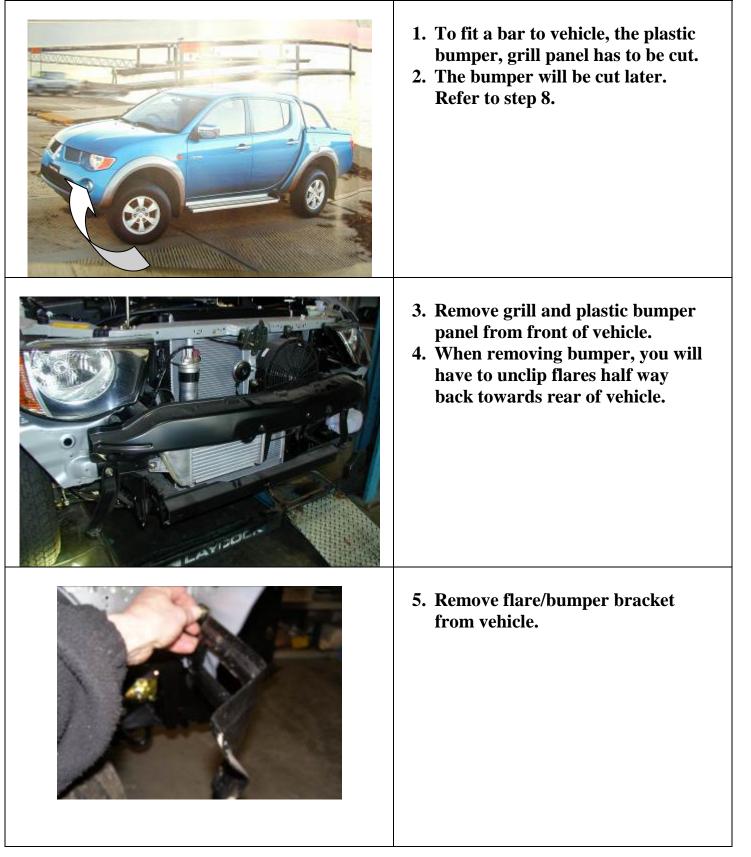
USE	PART No	QTY	DESCRIPTION	
	6151357	7	BOLT M10 x 1.5 x 30mm SEMS ASSY	
	6151090	2	BOLT M10 X 1.25 X 50mm	
	6151040	1	BOLT M10 X 1.25 X 30mm BOLT M10 X 1.25 X 30mm	
	4581040	1	WASHER FLAT M10	
	4581048	3	WASHER FLAT MID WASHER SPRING M10	
IMPACT ABSORBER	4584291	2	WASHER SPRING MID WASHER CLAMPING	
MOUNTING SYSTEM	3758945	1	MOUNT ASSEMBLY	
	5848329	2	PACKER LOCATING	
	6151321	7	NUT M10 FLANGE	
	6151021	2	BOLT M8 X 20mm	
	4581044	$\frac{2}{2}$		
	4581044	2	WASHER FLAT M8	
	4581040 6151132	$\frac{2}{2}$	WASHER SPRING M8	
		$\frac{2}{2}$	NUT FLANGE M8 RDFT DE AD EXTENSION RDACE	
	3756929 L/R		BRKT REAR EXTENSION BRACE	
	6151357	4	BOLT M10 x 30mm SEMS ASSY	
	6151360	6	BOLT M12 X 1.75 X 35 COARSE PITCH	
	4581007	6	WASHER FLAT M12 X 37 X 4	
BULL BAR TO	4581050	6	WASHER SPRING M12	
IMPACT ABSORBERS	6151428	6	NUT FLANGE M12	
	6151321	4	NUT FLANGE M10 X 1.5	
	3783231	1	TEMPLATE TO CUT FRONT BUMPER	
	4681395	L/R	BRACE WING SAHARA	
	6151021	8	BOLT M8 X 20mm	
	4581044	8	WASHER FLAT M8	
	4581046	8	WASHER SPRING M8	
	6151132	8	NUT FLANGE M8	
	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	
NUMBER I LATE BRACKET	3751313	1	NUMBER PLATE BRACKET	
	6151384	2	SCREW PAN HD (NON WINCH BAR)	
	6821189	$\frac{2}{2}$	GROMMET RHS	
	3163015	1	LIGHT INSERT KIT	
	6821151L	1	OS LIGHT INDICATOR LHS	
INDICATORS TO	6821151R	1	OS LIGHT INDICATOR RHS	
BAR	6821152	2	TURN SIGNAL / CLEARANCE LIGHT LOOM	
	180701	6	SCOTCH LOK	
	6151255	2	BOLT M12 X 1.75 X 40	
CENTRE FRAME TO BAR	4581049	2	WASHER FLAT M12	
	4581050	2	WASHER SPRING M12	
PANEL WINCH COVER	6522690	1	PANEL WINCH COVER	
	6151180	2	BOLT M6X20	
	6151046	2	WASHER M6	
	6151128	2	NUT FLANGE M6	
	6191006	1	EXTRUSION WINCH COVER	
	BLB 600	1	BATTERY LEAD 600MM BLACK	
	180302	8	CABLE TIES	
WINCH FITMENT	6151073	2	BOLT 3/8" X 1 ¹ /2"	
	6151073	$\frac{2}{2}$	BOLT 3/8" X 1 ³ /4"	
	4581040	4	WASHER FLAT M10	
	4581040 EG50	2	GROMMET RUBBER	
	FC20	4	GROWINIE I RUDDER	

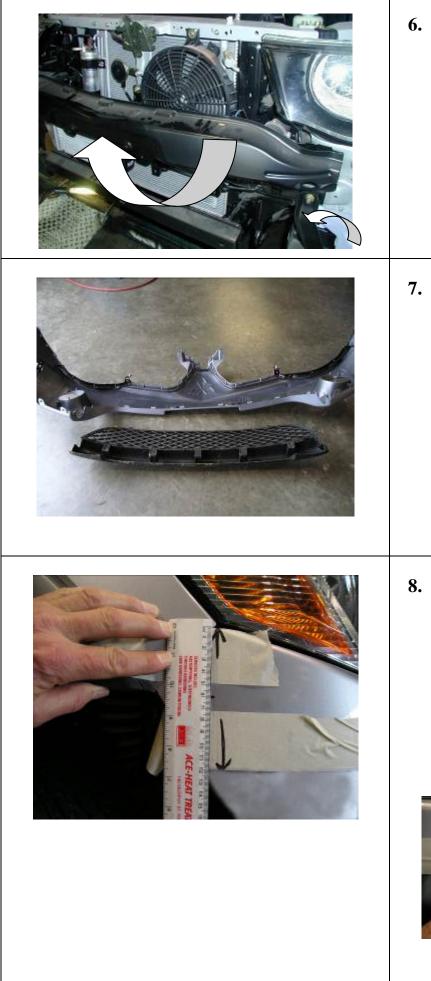
USE	PART No	QTY	DESCRIPTION	
BUFFERS	6151128	12	NUT FLANGE M6	
	6522664	1	AIR DEFLECTOR	
	6151262	3	BOLT M8 X 20mm BLACK	
	6151301	3	NUT CAGED M8	
	4581075	3	WASHER FLAT M8 x 20mm BLACK	
AIR DEFLECTOR	4581047	3	WASHER SPRING M8 BLACK	
	6151213	4	BOLT M6 X 20MM BLACK	
	4581082	4	WASHER FLAT M6	
	4581287	4	WASHER SPRING M6	
	6151300	4	NUT CAGED M6	
	6151213	16	BOLT M6 x 20mm BLACK	
	4581082	16	WASHER FLAT M6 BLACK	
	4581287	16	WASHER SPRING M6 BLACK	
	6151300	16	NUT CAGED M6	
UNDER WING PANEL	6151301	4	NUT CAGED M8	
	6151262	4	BOLT M8 X 20MM BLACK	
	4581075	4	WASHER FLAT M8 BLACK	
	4581047	4	WASHER SPRING M8 BLACK	
	6522840R/L	2	PAN WING FLARE	
	3758191	2	BRACKET ADJUSTABLE WING UNDER PANEL	
MISCELLANEOUS	6191015	1	TRIM FLARE 450MM	
	3162152	2	PLUG PLASTIC 16MM DIA	
BUFFER KIT BAR	3162469 L/R	2	BUFFER 260 X 230 UPRIGHT B/BAR	
(5100020)				
BUFFER KIT BUMPER	3162466 L/R	2	BUFFER 206 X 230 BUMPER BAR	
(5100030)				
CENTRE FRAME	6131532	1	FRAME CENTRE ASSEMBLY	
(5146010)				

SHADED AREAS INDICATE ADDITIONAL KITS REQUIRED DEPENDENT ON SAHARA BAR/BUMPER SELECTION

TO FIT OPTIONAL FOG LIGHTS TO BAR, USE KIT NO. 6821201 AND WIRING HARNESS PART NO. MD02

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





6. Remove cross member and mounting brackets from vehicle.

7. With the bumper removed, you must remove lower grille section and fog light aperture rear panels, then refit bumper to vehicle.

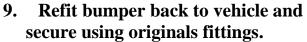


8. At this stage draw a point 120mm down from panel line on each side of vehicle and 20mm in the centre. (AS PER PHOTO) Using masking tape, join points to points across the front of the vehicle then remove bumper from vehicle. Using a jig saw or a small hand saw, cut across drawn line. Dress up with a file.









- **10.** At this stage it is time to cut the lower section of the flares.
- **11.** Temporarily refit front of flare back to front of vehicle.
- 12. Using the template supplied in bolt kit fit to vehicle as per photo and secure using tape.
- 13. Draw a line to cut, and then remove template and mark out other side.
- 14. Lift flare away from vehicle, and cut along the drawn line, follow the same procedure on the other side.

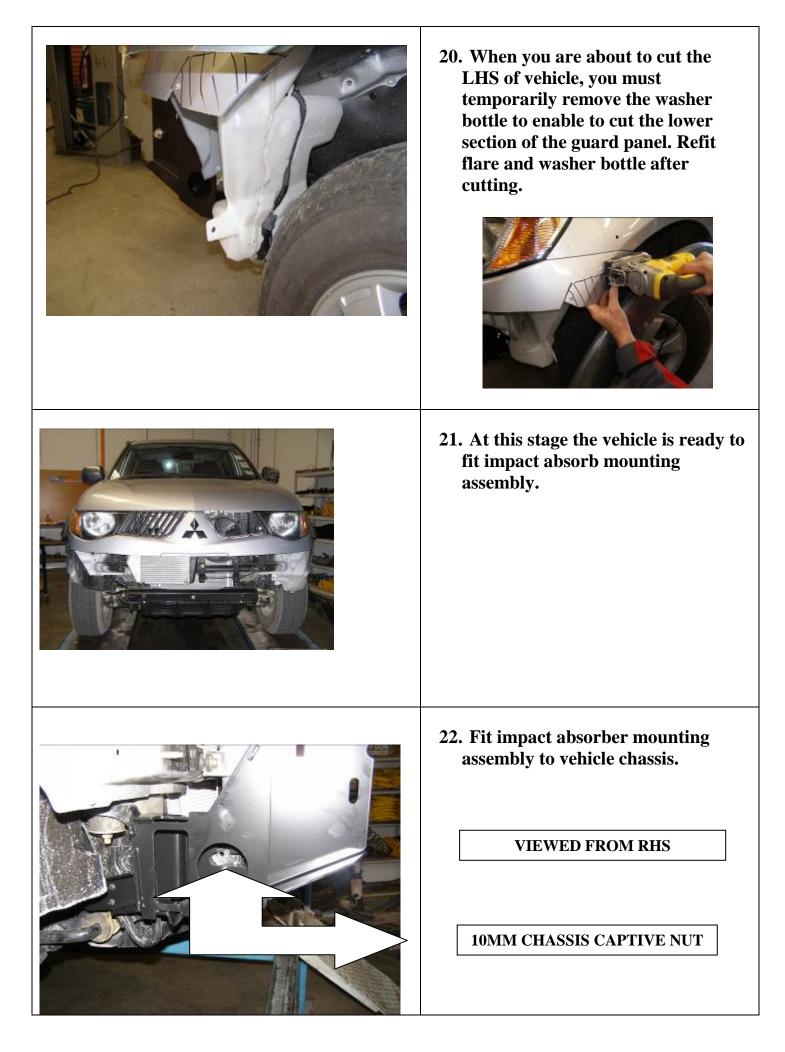


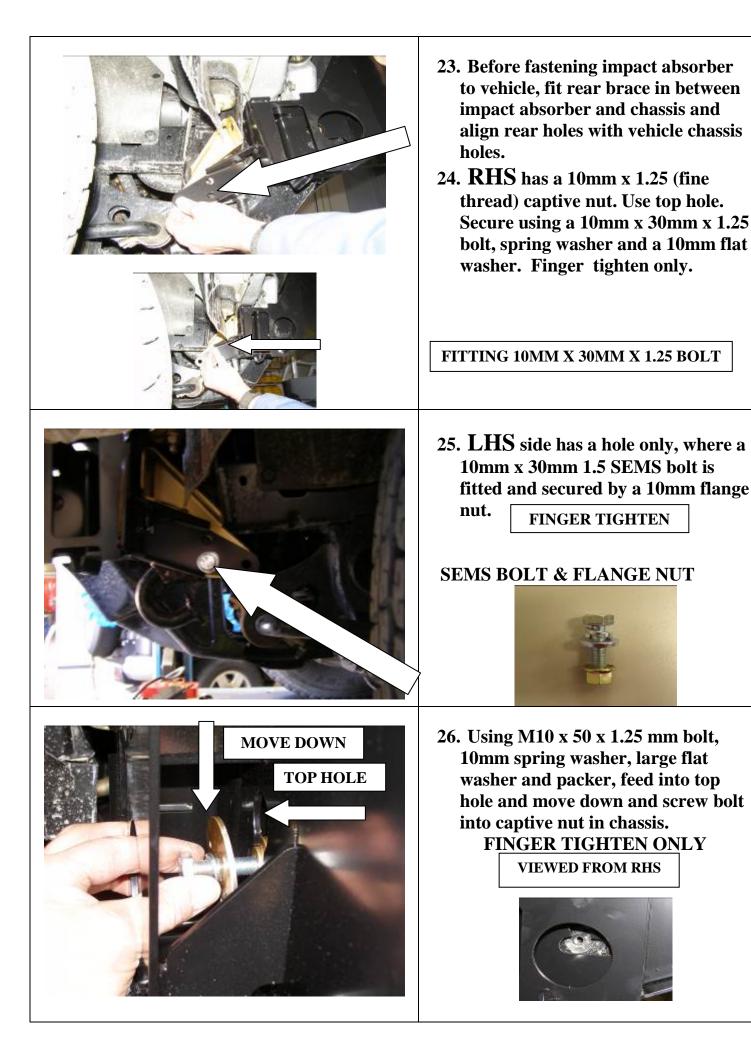


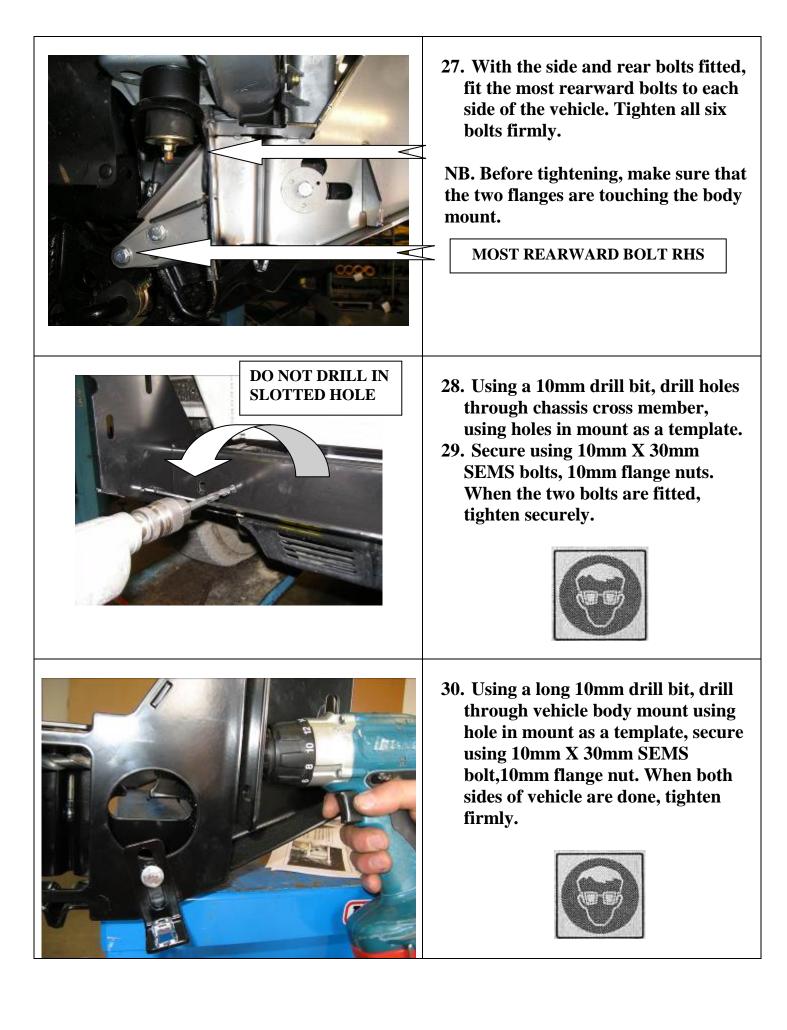


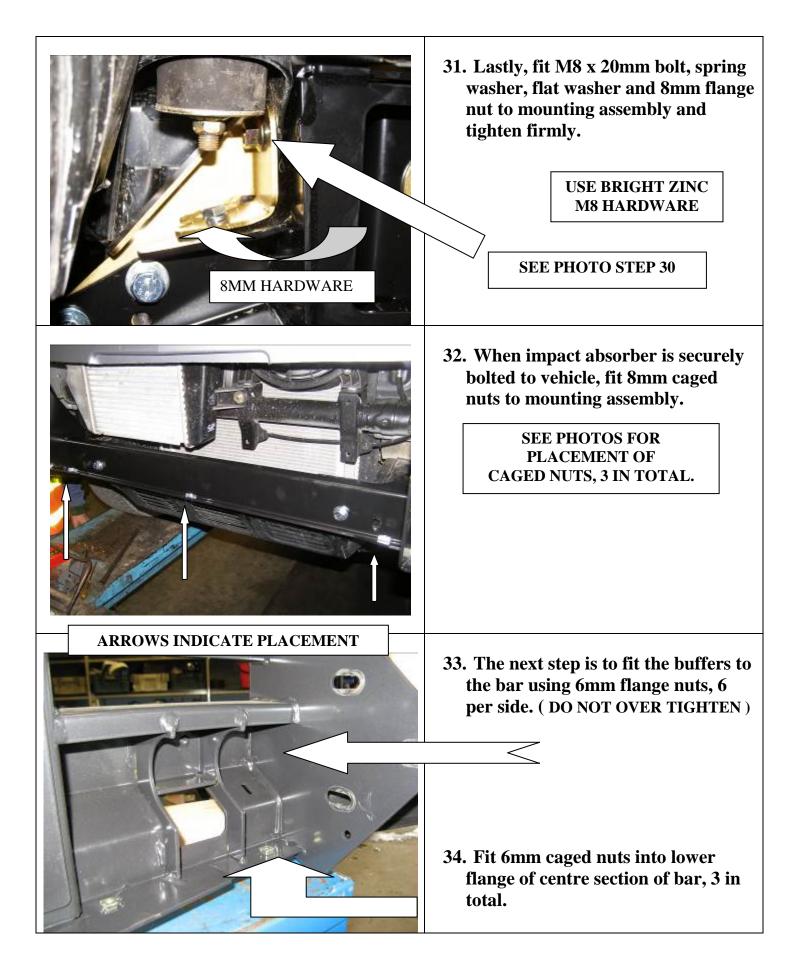
15. When flare is cut off clean up with a file.







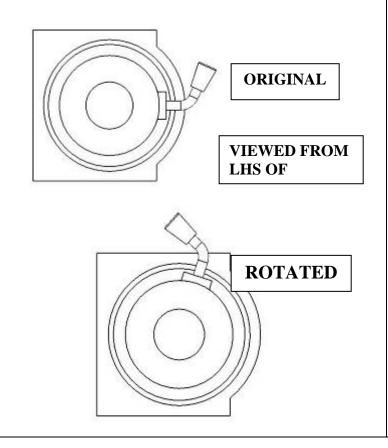






- 35. If you are not going to fit a winch to the bar, go to step 48
- 36. Firstly if a winch is going to be fitted to the bar, fit control box bracket to bar using 8mm hardware. Next fit number plate bracket to bar using 6mm hardware.

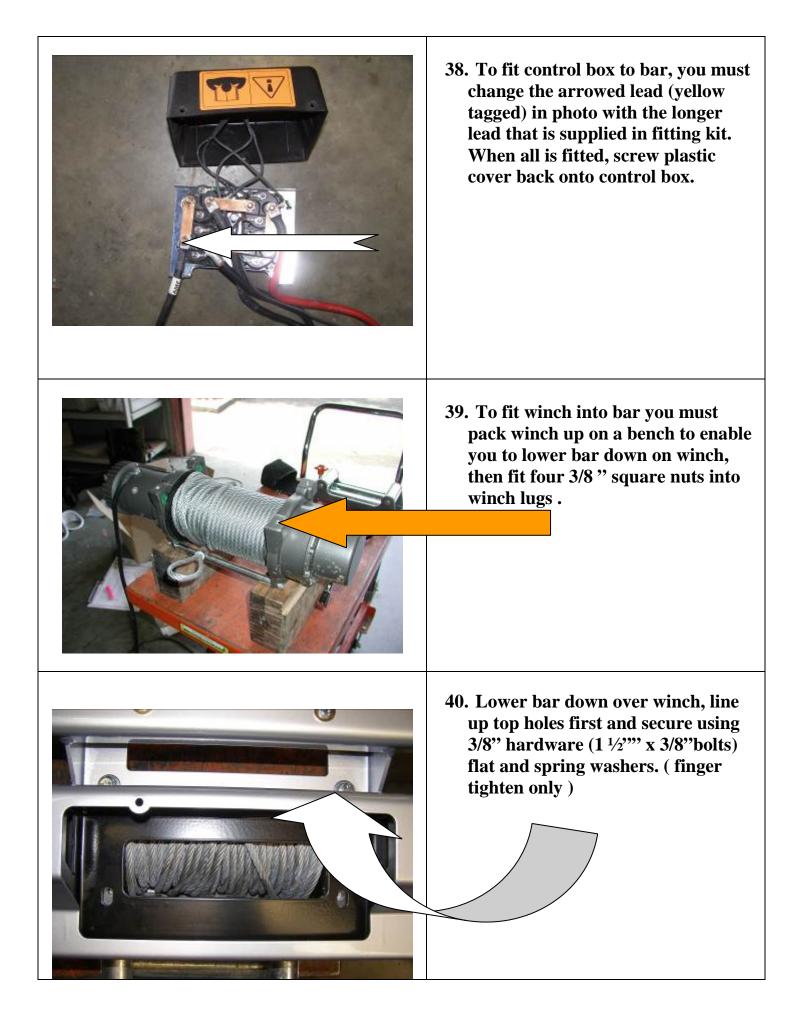
IN BOTH CASES USE BRIGHT ZINC PLATED HARDWARE.

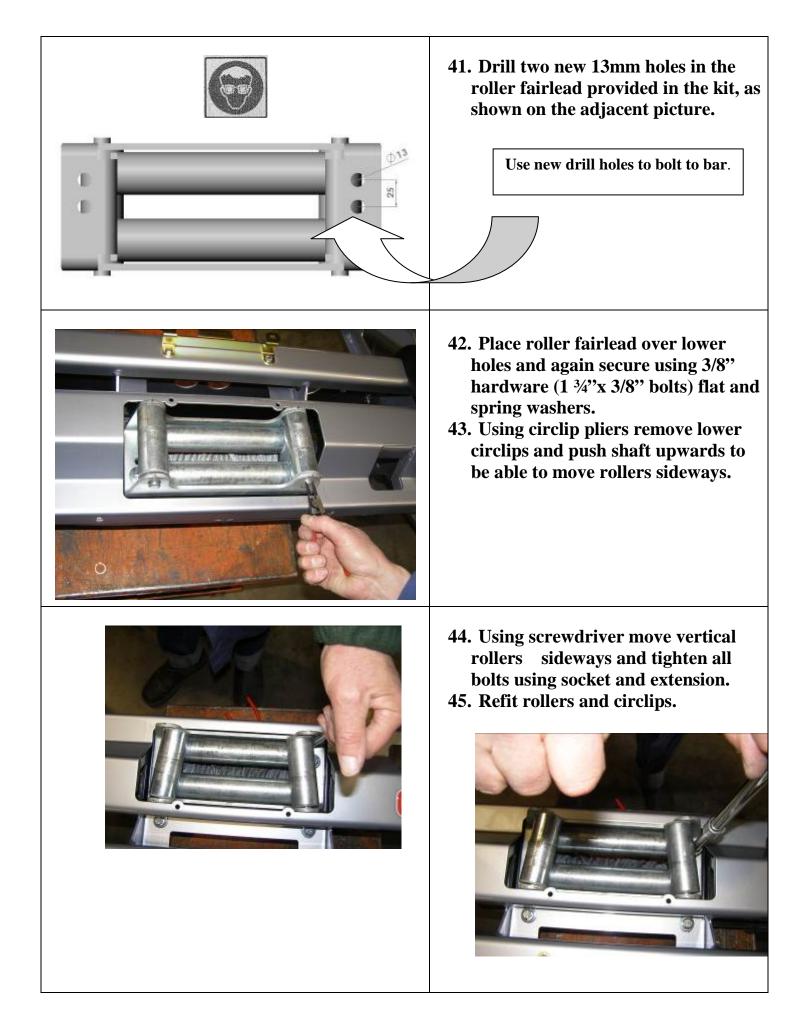


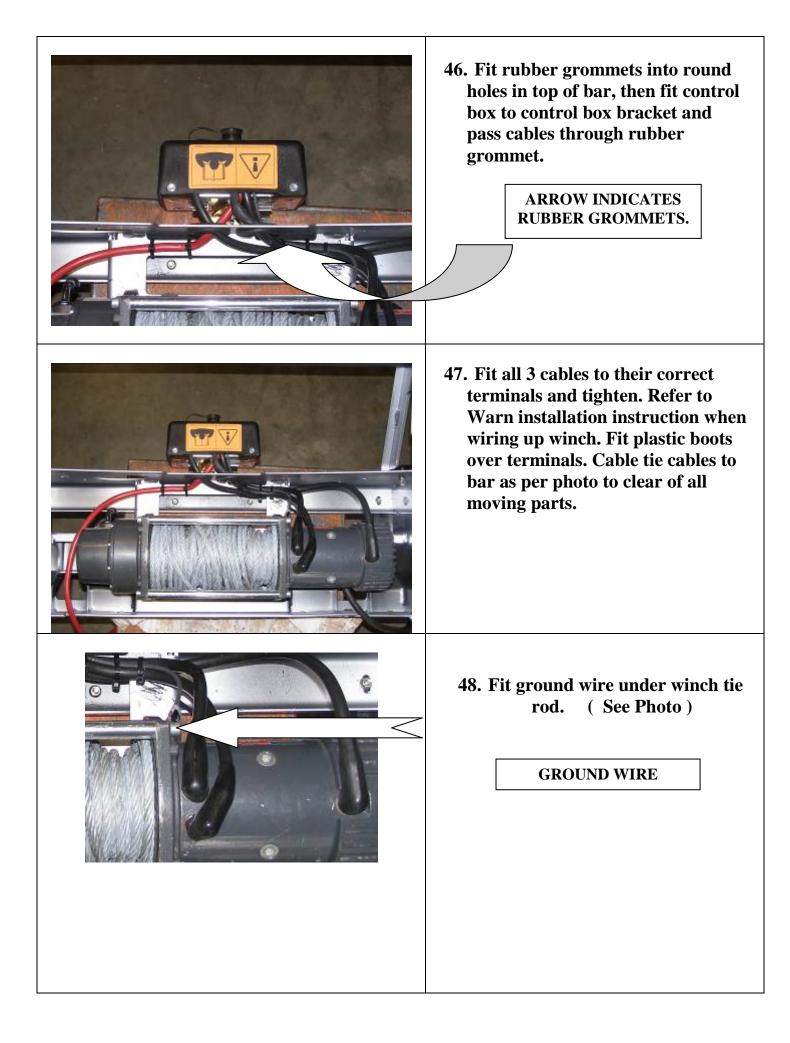
TO FIT A WINCH BAR 37. To fit an 8/9/9.5/000lb winch, rotate gearbox 72° counter clockwise.

Stand winch upright and undo the capped head screws and by lifting the gearbox only a couple of millimetres, rotate the gearbox. Once in position, refit all screws and tighten firmly.

WARNING: Do not lift gearbox more than a couple of millimetres.









- s (DSV) is
- 53. Now using the fog light opening as access drill a 10mm hole in the top of the bars upright using the hole in the impact absorbers mounting blade as a template, the pin using M10 SEMS bolt and flange nut, tighten bolt to specified torque.

54. Fit light insert into rear of bar using 4 screws, rubber washers and retainer clips. (Do not over tighten)



55. If optional fog lights are going to be fitted to bar , follow fitting instructions from fog light kit part no. 6821201 and wiring harness part.no.MD02

PHOTO IS FOG LIGHTS FITTED TO BAR

- VEWED FROM INSIDE LHS OF VEHICLE
- 56. When bar is secured to mounting bracket, connect winch cables to battery and cable tie cables together to clear of all moving parts, sharp edges and hot parts.

- 57. Install the turn signal into the rear of light insert using 2 self tapping screws 6 x 25mm pan head) supplied with the light insert fitting kit.
- NOTE: The indicators should be installed with the drain holes at the bottom and are marked LH / RHS. (Clearance lights outboard)

ARROWS INDICATES POSITION OF SCREWS

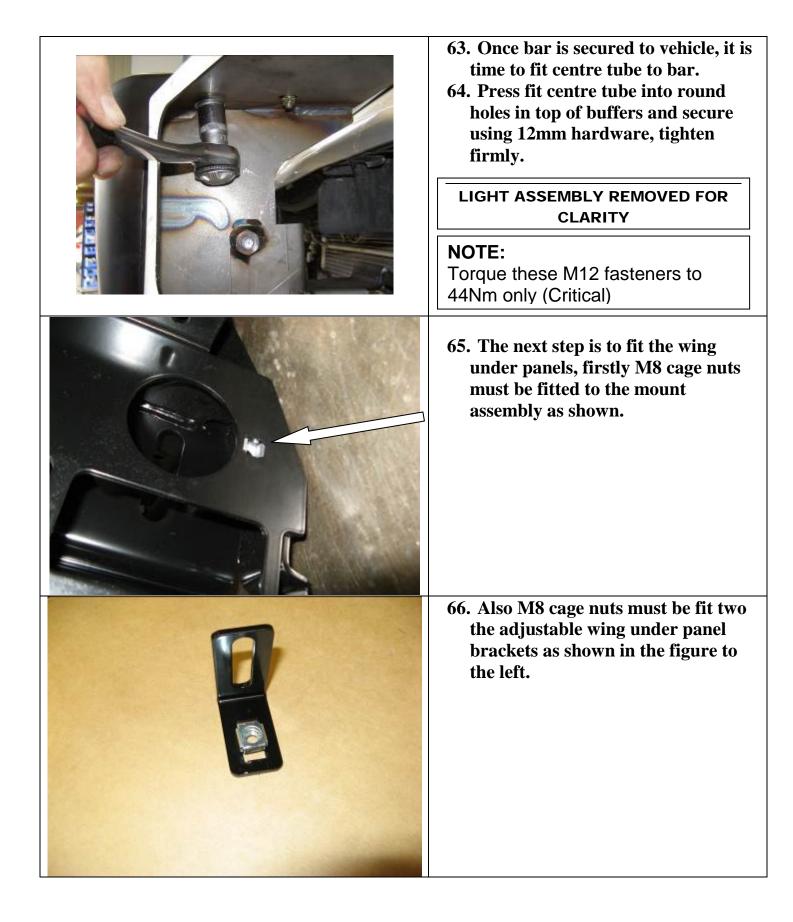


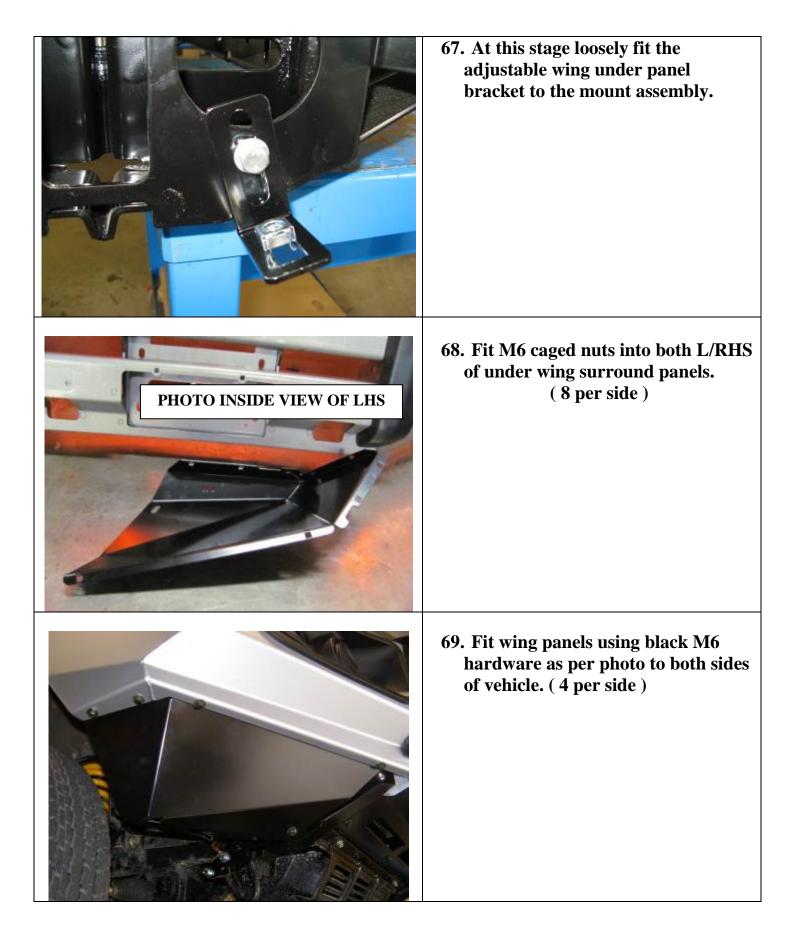
58. Pull indicator loom up into engine bay to scotch lok wiring onto vehicle indicator/clearance lamps

Summary of Wire Connections

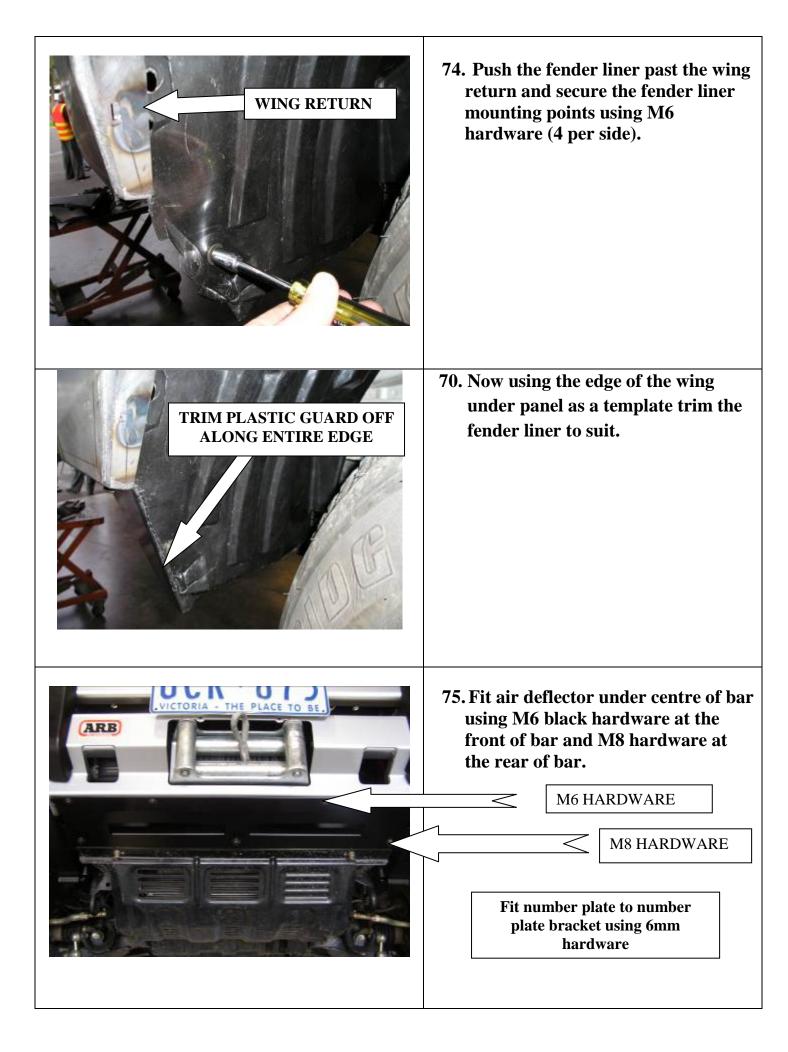
FUNCTION	TURN	VEHICLE PARK LAMP		
	SIGNAL HARNESS	RIGHT	LEFT	
PARK LAMP	RED	GREEN/WHITE	GREEN/BROWN	
		VEHICLE INDICATOR		
		RIGHT	LEFT	
EARTH	BLACK	BLACK	BLACK	
INDICATOR	GREEN	GREEN	GREEN	













76. Fit rubber extrusion around the outer edge of cover panel if a winch is not going to be fitted to bar.

Secure cover panel to bar using 6mm hardware.



77. If you are not having a winch fitted to the bar, fit plastic grommets into the round holes and secure using black pan head screws to secure number plate to bar as per photo.



Bar Fitted to Vehicle

