

Part Number:	3946010	F/KIT: 6172310	BOLT PACK 6172309
Product Description:	COMBINAT	TION SAHARA BA	R FLARED
Suited to vehicle/s:	MITSUBISH	II TRITON 2006	ON
Buffer Kit:	5100020 (Sal	hara Bar), 5100030	(Sahara Bumper)
Centre Frame:	5146010 (Pol	lished Centre Fram	ie)

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

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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
IMPACT ABSORBER	4581040	1	WASHER FLAT M10
MOUNTING SYSTEM	4581048	3	WASHER SPRING M10
	4584291	2	WASHER CLAMPING
	3756925	1	MOUNT ASSEMBLY
	5848329	2	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	8	BOLT M10 x 30mm SEMS ASSY
	6151304	6	NUT CAGED M10
	6151321	2	NUT FLANGE M10 X 1.5
BULL BAR TO	3783231	1	TEMPLATE TO CUT FRONT BUMPER
IMPACT ABSORBERS	4681280	L/R	BRACE WING SAHARA
	6151021	8	BOLT M8 X 20mm
	4581044	8	WASHER FLAT 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)
NUMBER PLATE BRACKET	6151046	4	WASHER FLAT M6 x 13mm
	6151128	4	NUT FLANGE M6
	3751313	1	NUMBER PLATE BRACKET
	6151384	2	SCREW PAN HD (NON WINCH BAR)
	6821189	2	GROMMET RHS
	3163015	1	LIGHT INSERT KIT
INDICATORS TO	6821151L	1	OS LIGHT INDICATOR LHS
BAR	6821151R	1	OS LIGHT INDICATOR RHS
	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
	6522690	1	PANEL WINCH COVER
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"
	6151074	2	BOLT 3/8" X 1 ³ /4"
	4581040	4	WASHER FLAT M10
	EG50	2	GROMMET RUBBER

USE	PART No	QTY	DESCRIPTION
BUFFERS	6151128	12	NUT FLANGE M6
AIR DEFLECTOR	6522664	1	AIR DEFLECTOR
	6151262	3	BOLT M8 X 20mm BLACK
	6151301	3	NUT CAGED M8
	4581045	3	WASHER FLAT M8 x 20mm BLACK
	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
UNDER WING PANEL	6151213	10	BOLT M6 x 20mm BLACK
	4581082	10	WASHER FLAT M6 BLACK
	4581287	10	WASHER SPRING M6 BLACK
	6151300	10	NUT CAGED M6
	6151301	2	NUT CAGED M8
	6151262	2	BOLT M8 X 20MM BLACK
	4581045	2	WASHER FLAT M8 BLACK
	4581047	2	WASHER SPRING M8 BLACK
	6522666R/L	2	PAN WING FLARE
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)			

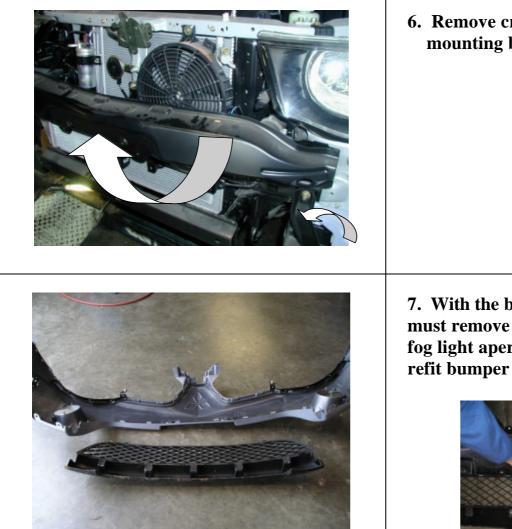
SHADED AREAS INDICATE ADDITIONAL KITS REQUIRED DEPENDENT ON SAHARA BAR/BUMPER SELECTION

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 crossmember and mounting brackets from vehicle. LKHHG

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.







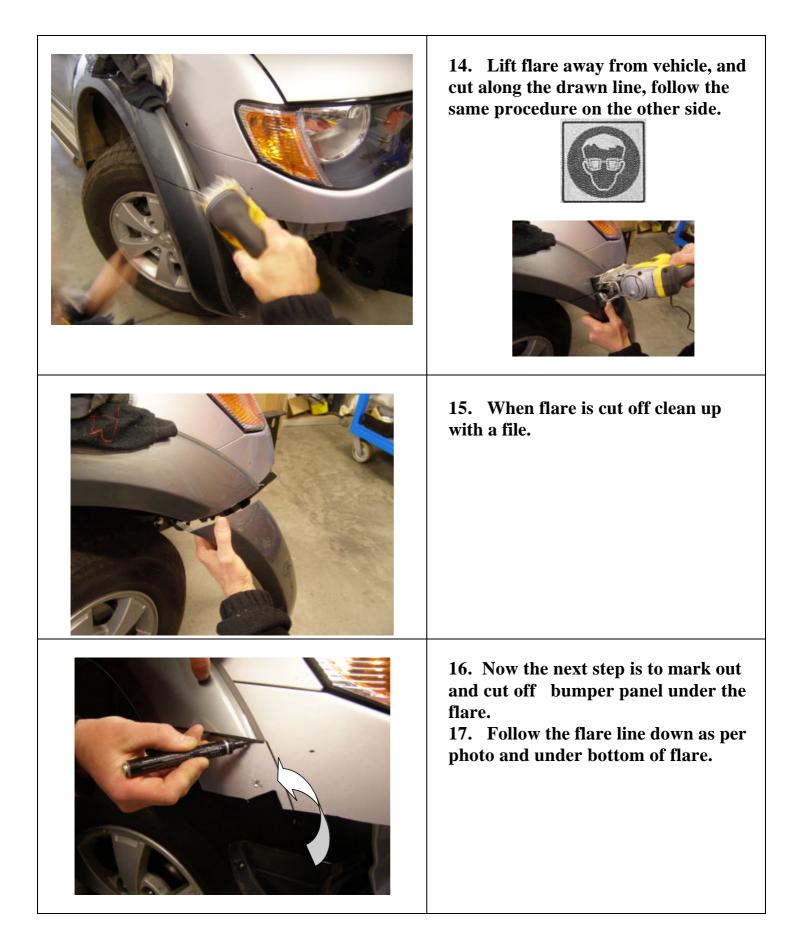
9. Refit bumper back to vehicle and secure using originals fittings.10. At this stage it is time to cut the

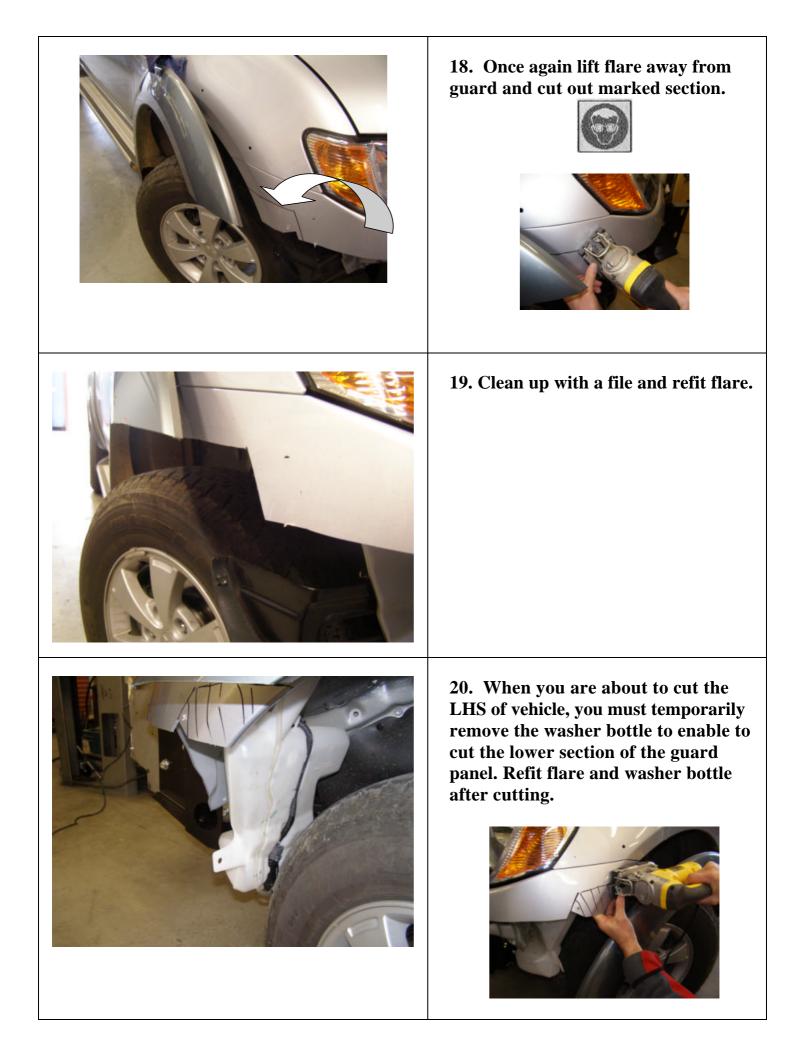
lower section of the flares.

11. Temporarily refit front of flare back to front of vehicle.

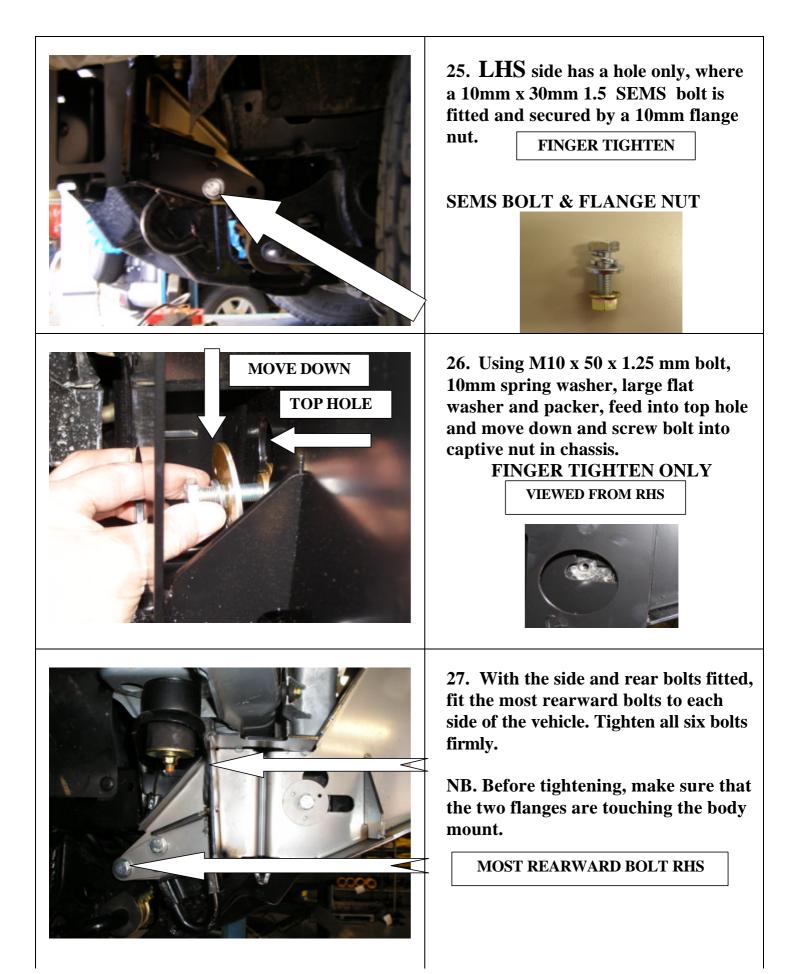
12. Using the template supplied in bolt kit, fit to vehicle as per photo and secure using tape.

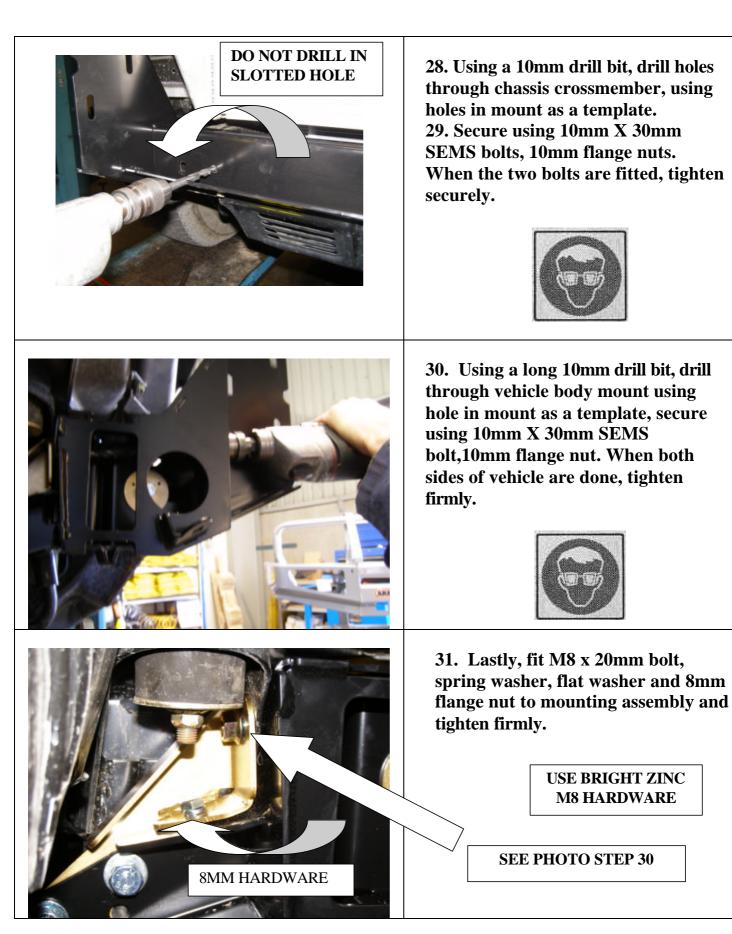
13. Draw a line to cut, then remove template and mark out other side.

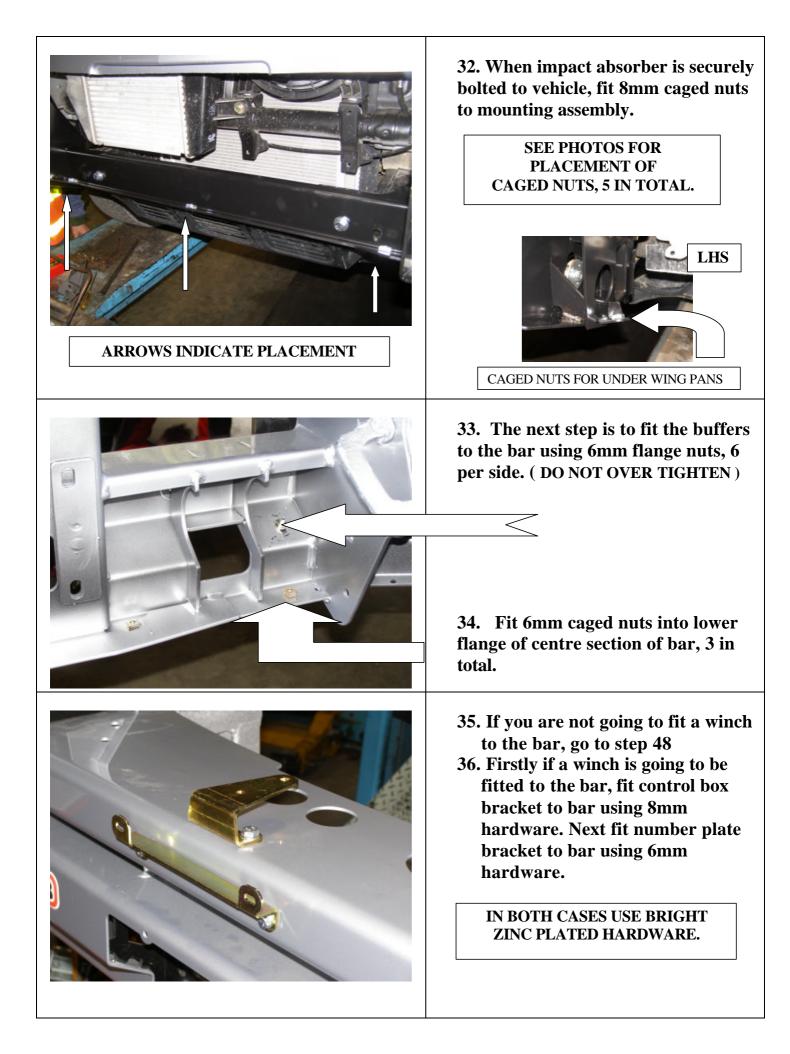


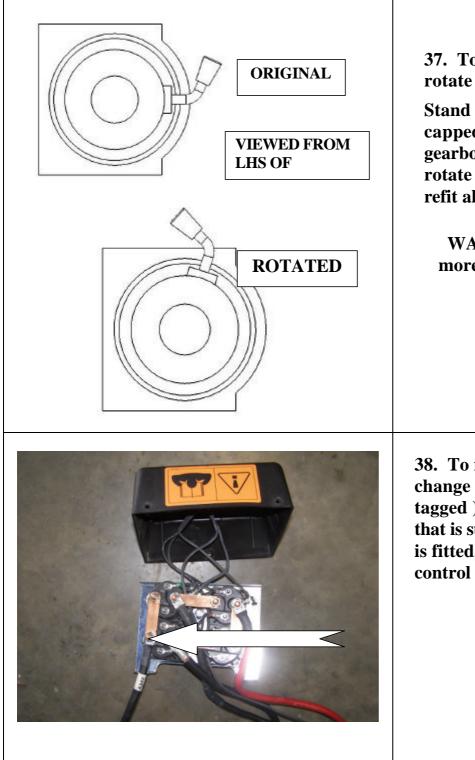










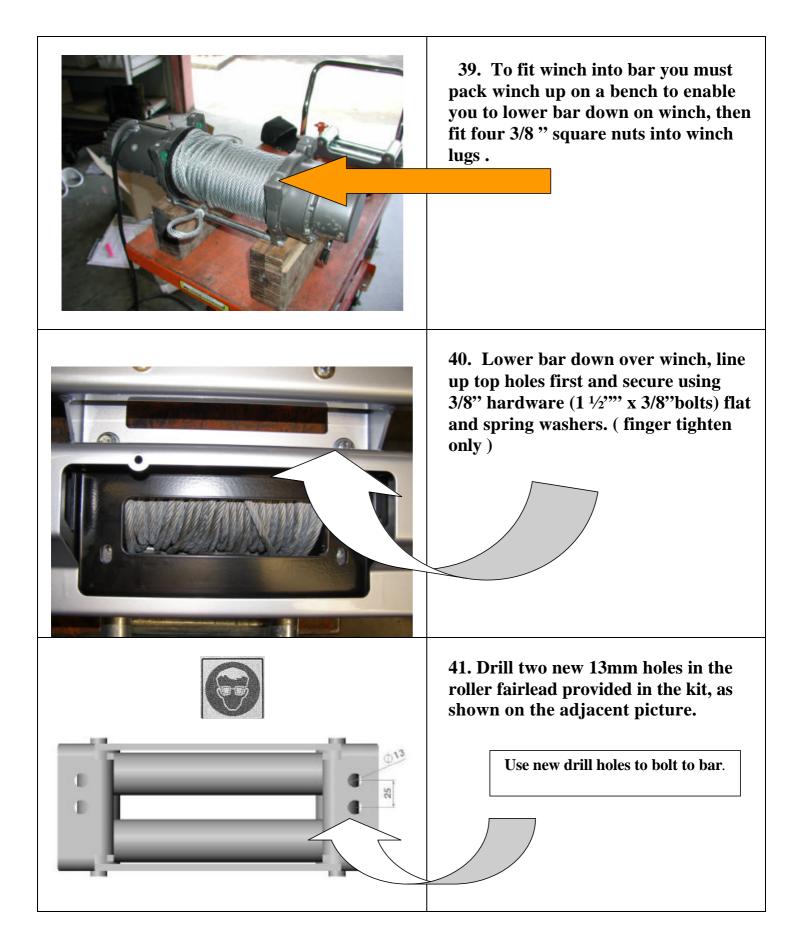


TO FIT A WINCH BAR 37. To fit an 8/9/9.5/000lb winch, rotate gearbox 72° counterclockwise.

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

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

38. To fit control box to bar, you must change the arrowed lead (yellow tagged) in photo with the longer lead that is supplied in fitting kit. When all is fitted, screw plastic cover back onto control box.





42. Place roller fairlead over lower holes and again secure using 3/8" hardware (1 ³/₄"x 3/8" bolts) flat and spring washers.

43. Using circlip pliers, remove lower circlips and push shaft upwards to be able to move rollers sideways.

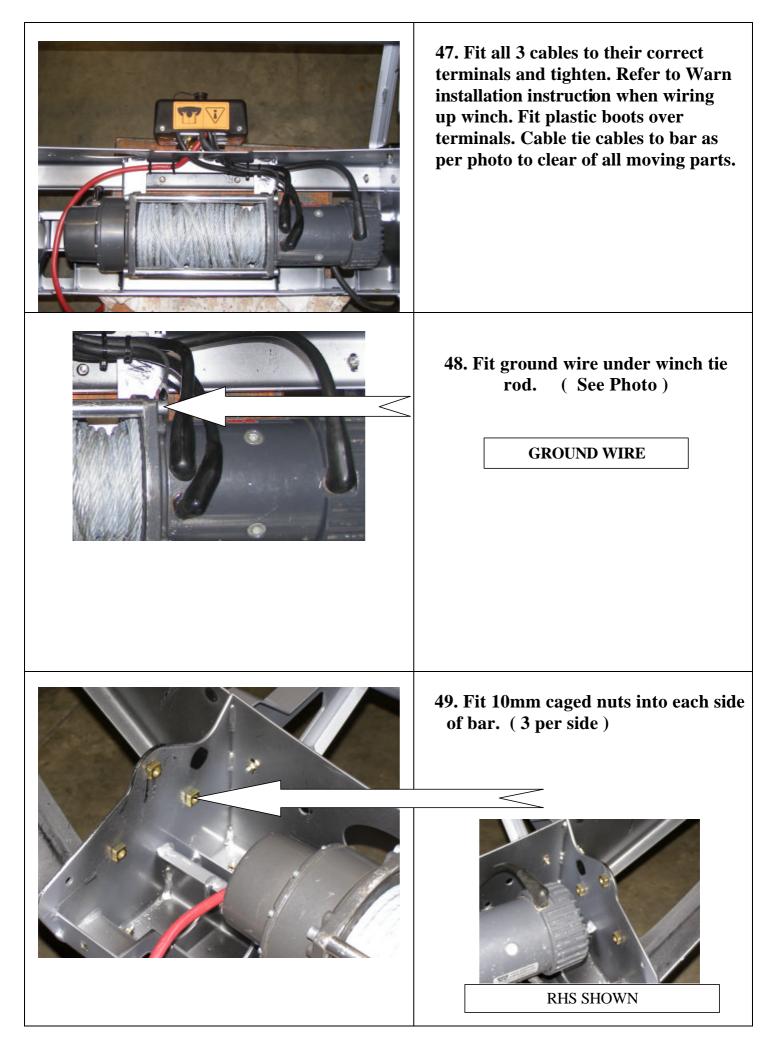


44. Using screwdriver move vertical rollers sideways and tighten all bolts using socket and extension.45. Refit rollers and circlips.



46. Fit rubber grommets into round holes in top of bar, then fit control box to control box bracket and pass cables through rubber grommet.

> ARROW INDICATES RUBBER GROMMETS.





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



- 51. 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

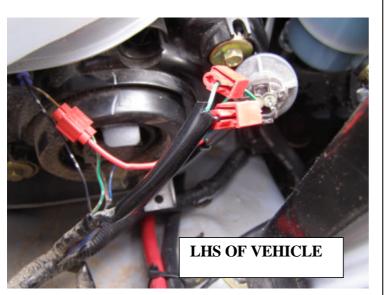
52. If optional fog lights are going to be fitted to bar , follow fitting instructions from fog light kit part no. 6821201 and wiring harness part.no.MD02

PHOTO IS FOG LIGHTS FITTED TO BAR

53. With the help of a friend, lift bar in between impact mounting bracket and align slots on mounting bracket to caged nuts on side of bar. Secure using M10 SEMS bolts.(finger tighten only)

54. Using body moulding strip, fix to lower section of cut flare and trim to fit. 55. At this stage it is time to adjust the height of the bar to under the flare gap which is 15, 20mm, and the parallelism between bar and vehicle. 56. When all the six bolts have been tighten firmly, 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. VIEWED FROM INSIDE LHS OF VEHICLE

57. 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.

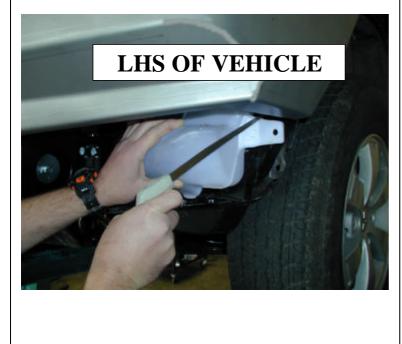


IEWED FROM INSIDE LHS OF VEHICLE

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	RIGHT BLACK	BLACK	



59. Before fitting under wing surround panels to bar, you must cut back washer bottle to give clearance of panel.

