

Part Number:	3940010	F/KIT: 6172286	BOLT PACK 6172287
Product Description:	COMBINATIO	ON SAHARA BAR	2
Suited to vehicle/s:	FORD RANGER 2006 ON		
Buffer Kit:	5100020 (Sahara Bar), or 5100030 (Sahara Bumper)		
Centre Frame:	5140010 (Polished 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:

- For approach angle improvement, it is preferable that sheet metal is trimmed from vehicle at step 13, as this step is not reversible, please advise customer (owner of vehicle) prior to commencing bull bar fitment.
- 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

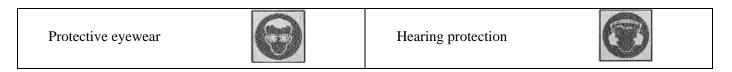
By choosing an ARB Bar, you have bought a product that is one of the most sought after 4WD products in the world. Your bar is a properly engineered, reliable, quality accessory that represents excellent value. To keep your bar in original condition it is important to care and maintain it following these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



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.

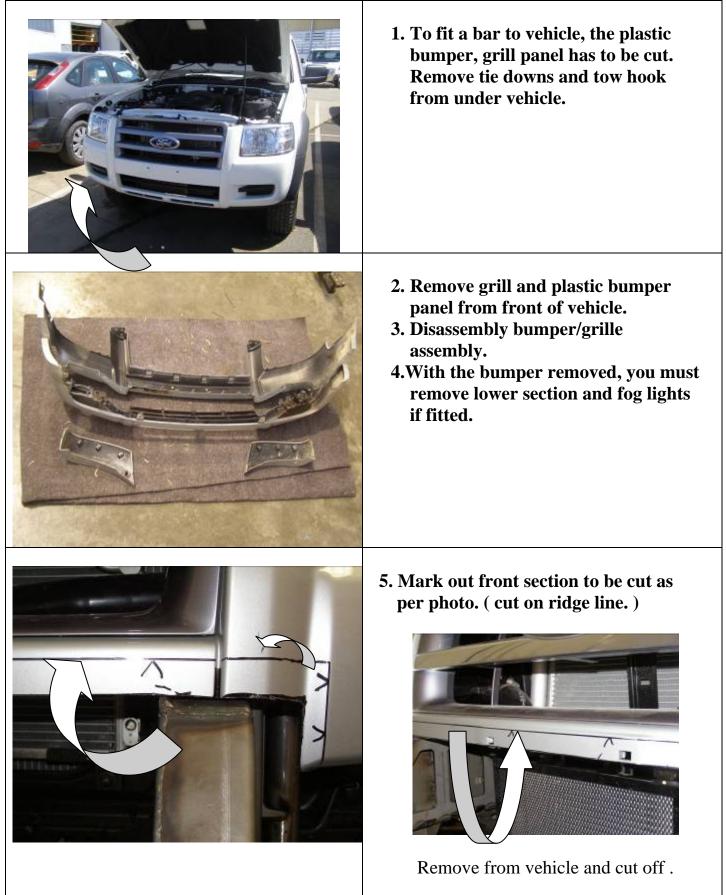
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SIZE	Torque Nm	Torque lbft
M6	9Nm	4lbft
M8	22Nm	16lbft
M10	44Nm	32lbft
M12	77Nm	57lbft

## **FASTENER TORQUE SETTINGS:**

### **Up to IPF 900 SERIES FOG OR DRIVING LIGHT SETS**

USE	PART No	QTY	DESCRIPTION
	3756996L	1	BRKT IMPACT ABSORBER LHS
IMPACT ABSORBER PLUS	3756996R	1	BRKT IMPACT ABSORBER RHS
	4681233L	1	BRACE ASSEMBLY LHS
	4681233R	1	BRACE ASSEMBLY RHS
	4681234	2	BRACE TENSION STRAP
	6151021 4581044	4	BOLT M8 X 20 WASHER FLAT M8
	6151132	4	NUT M8 FLANGE
	6151304	10	NUT M10 CAGED
BULL BAR TO	6151357	12	BOLT M10 x 30mm SEMS ASSY
IMPACT ABSORBERS	6151321	2	NUT M10 FLANGE
	6151148	4	BOLT M12 X 50
	4581049	4	WASHER FLAT M12
	4581050 6151021	4 12	WASHER SPRING M12 BOLT M8 X 20
	4581044	12	WASHER FLAT M8
	6151132	12	NUT M8 FLANGE
	4681270	L/R	BRACE WING SAHARA
NUMBER PLATE BRACKET	6151180	4	BOLT M6 x 20mm (BRACKET TO BAR)
	6151046	4	WASHER FLAT M6 x 13mm
	3751313	1	NUMBER PLATE BRACKET
	6151128	4	NUT FLANGE M6
	6151384 6821189	2 2	SCREW PAN HD (NON WINCH BAR) GROMMET RND FL 1500 080 090
<b>BUFFERS TO BAR</b>	6151128	12	NUT FLANGE M6
AIR DEFLECTOR	6522672	12	AIR DEFLECTOR
	6151213	6	BOLT M6 X 20MM BLACK
	4581082	6	WASHER FLAT M6 BLACK
	4581287	6	WASHER SPRING M6 BLACK
	6151300	10	NUT CAGED M6
WING COVER PANELS	6522689L	1	LEFT HAND WING PANEL
	6522689R	1	RIGHT HAND WING PANEL
	6151300	<u>6</u> 4	M6 CAGED NUTM6
	6151228 6151213	6	BOLT M6 X 30MMBLACKBOLT M6 X 20MMBLACK
	4581287	10	WASHER SPRING M6 BLACK
	4581082	10	WASHER FLAT M6 BLACK
MISCELLANEOUS	6191015	1	TRIM FLARE 450MM
	6522680	1	PANEL WINCH COVER
	6151256	2	SCREW M6 X 16MM BUTTON HEAD S/S
	6151128	2	NUT FLANGE M6
	6191006	1	EXTRUSION CHANNEL WINCH COVER
	3162152	2	PLUG PLASTIC 16MM DIA
	180302	8	CABLE TIES
WINCH FITMENT	6151073	2	BOLT 3/8" X 1 <sup>1</sup> /2"
WINCH FILMENT	6151075	2	BOLT 3/8" X 1 <sup>3</sup> /4"
	4581040	4	WASHER FLAT M10
	EG50	2	GROMMET RUBBER
	BLB 600	1	BATTERY LEAD 600MM BLACK
	6151021	2	BOLT M8 x 20mm
	4581044	2	WASHER FLAT M8
	3751564	1	CONTROL BOX BRACKET
	6151132	2	NUT FLANGE M8
FOC LICHT DADTS	3163015	1	LIGHT INSERT KIT
FOG LIGHT PARTS	6821151L 6821151R	1	OS LIGHT INDICATOR LHS OS LIGHT INDICATOR RHS
	6821151K	2	TURN SIGNAL / CLEARANCE LIGHT LOOM
	180701	6	SCOTCH LOCK
	6151255	2	BOLT M12 X 1.75 X 40
CENTRE FRAME TO BAR	4581049	2	WASHER FLAT M12
	4581050	2	WASHER SPRING M12
	3162469R/L	1	BUFFERS 260 X 230 UPRIGHT B/BAR
BUFFER KIT Sahara Bar (5100020)		-	
BUFFER KIT Sahara Bumper (5100030)	3162466R/L	1	BUFFERS 260 X 230 BUMPER BAR
BUFFER KIT Sahara Bumper (5100030) CENTER FRAME (5140010)	3162466R/L 6131530A	1 1	

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





6. Refit top section of grill / bumper back to vehicle and mark out section to be cut. ( 20mm down from ridge line )

SEE PHOTO FOR MEASUREMENTS ARROW INDICATES RIDGE LINE.

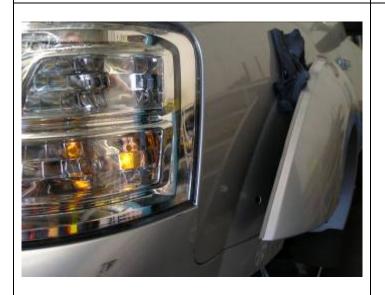




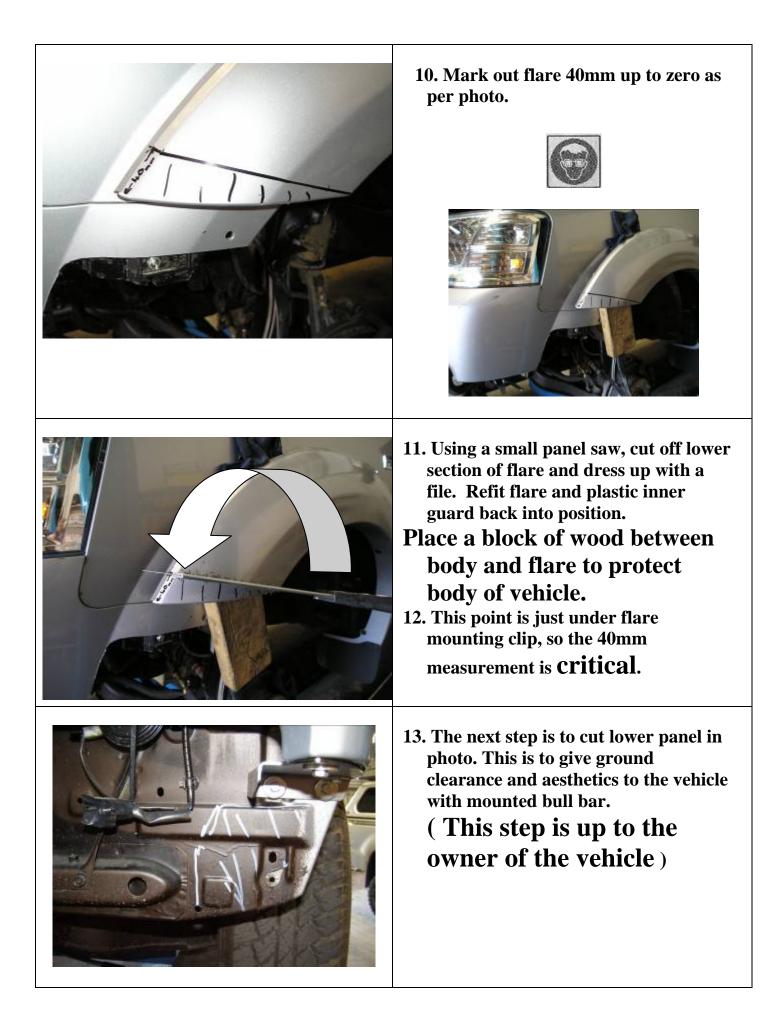
7. The next step is to cut a section off the flare.

8. Firstly the front of the inner guard must be temporarily unclipped so the flare clips can be pressed together using pliers, to be able to removed the front of the flares off the side of the vehicle.

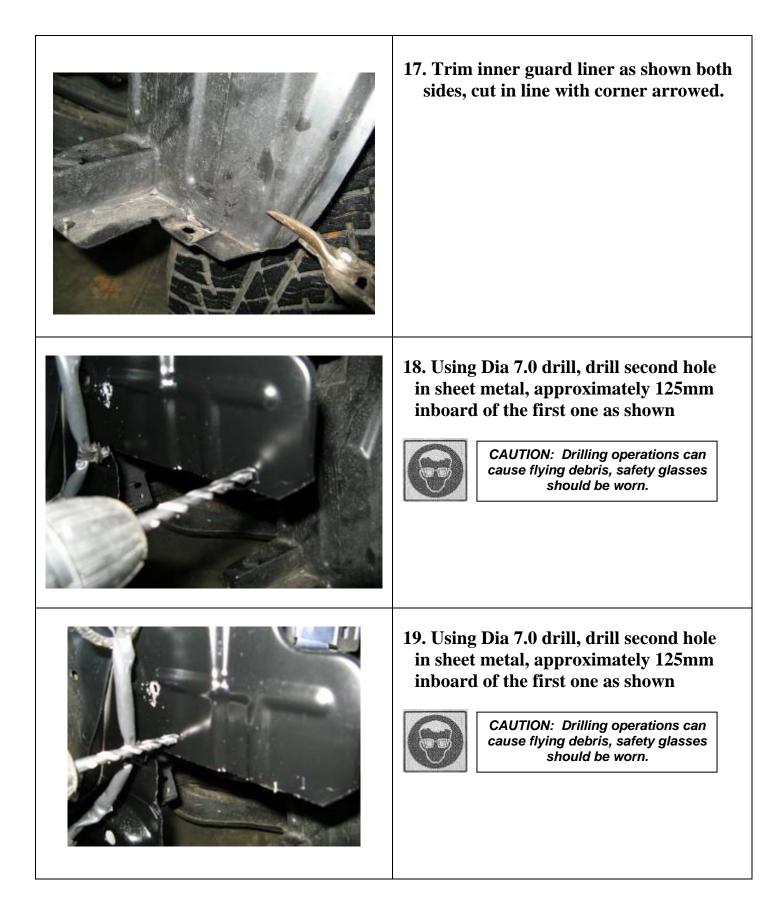
Do not try to pull the flares off the vehicle without firstly pressing the clips together from under vehicle.

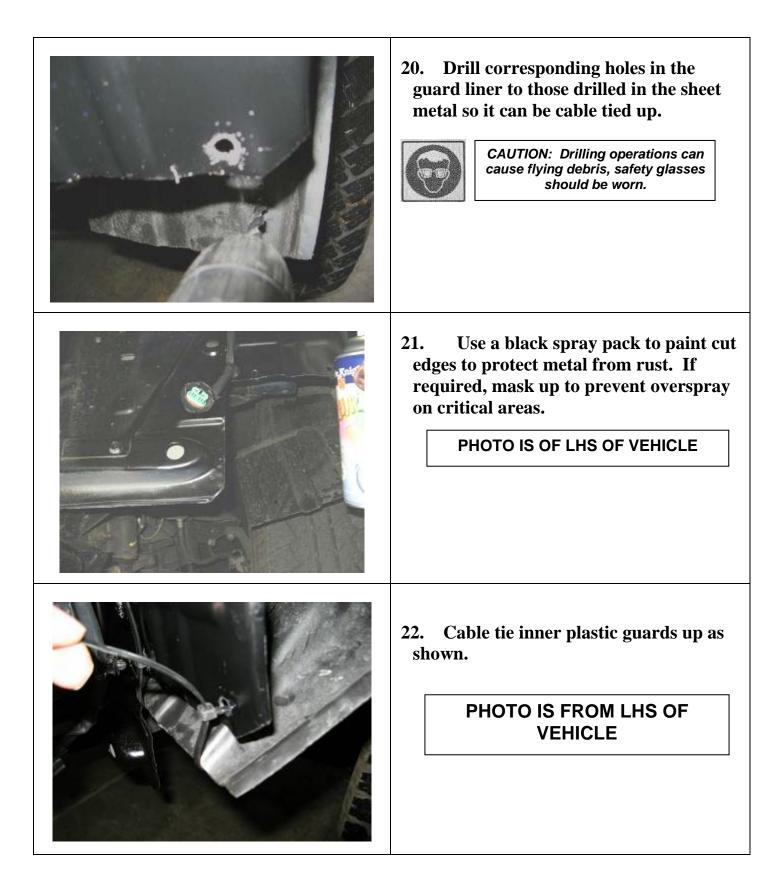


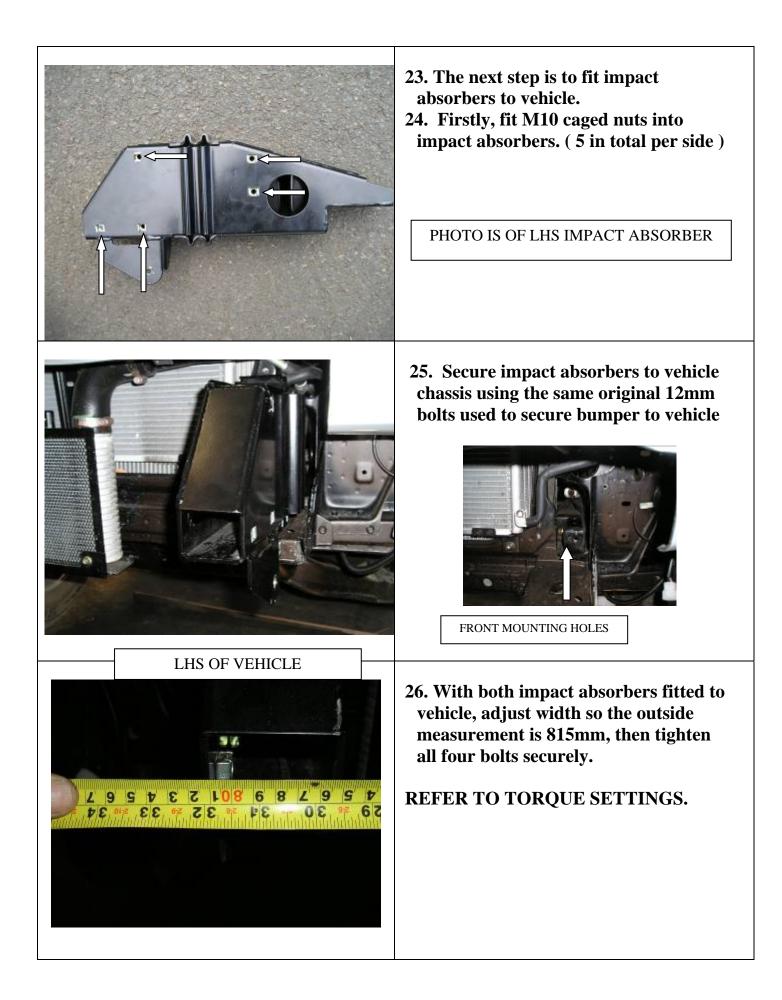
**9.** When the flare is free to move, pack a piece of cloth in between vehicle and flare. This is to give clearance so the flare cut be cut.



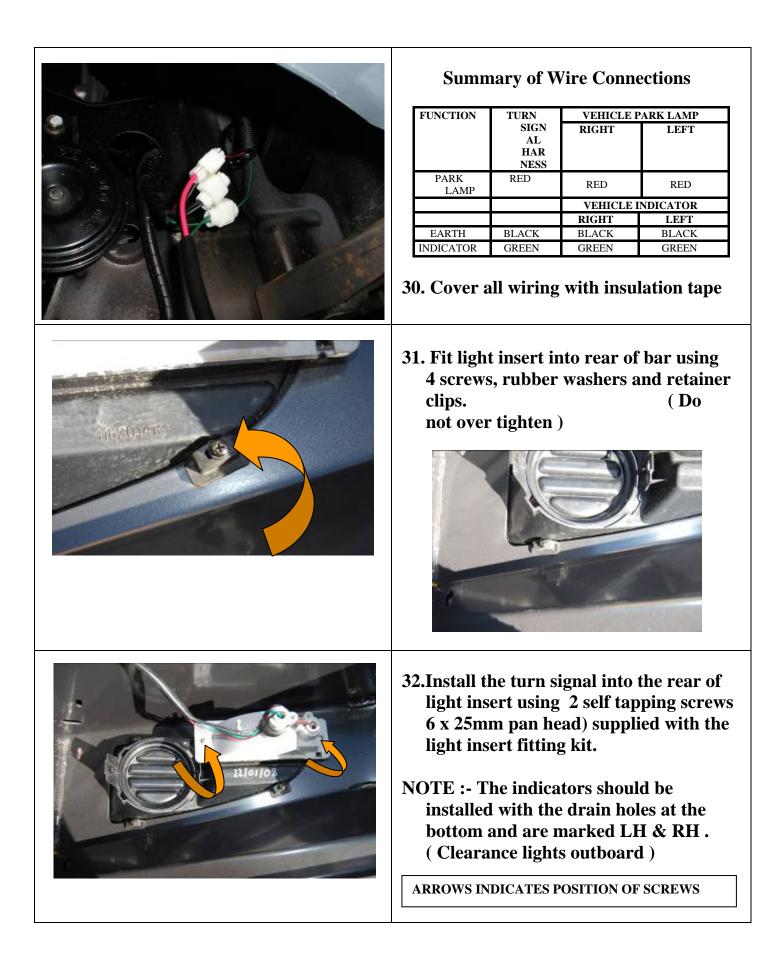








10mm BOLTS 12mm BOLTS 12mm BOLTS LHS BRACE ASSEMBLY	27. After fitting impact absorbers to vehicle, the brace assembly is next to be fitted.
Intervention of the sector of	<ul> <li>28. Fit lower mounting bracket to tow hook bolt holes using 12mm hardware. Fit upper mounting bracket to impact absorber using 10mm hardware.</li> <li>NB. Fit all bolts loosely first, then tighten all bolts.</li> </ul>
	29. To modify vehicle indicator/ clearance loom, remove insulation tape from loom and scotch loks indicator/clearance loom from bar bolt kit to vehicle loom.





33. 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



34. Fit buffers to bar using 6mm flange nuts. Six per side. ( Do not over tighten, as this will distraught the buffers. )

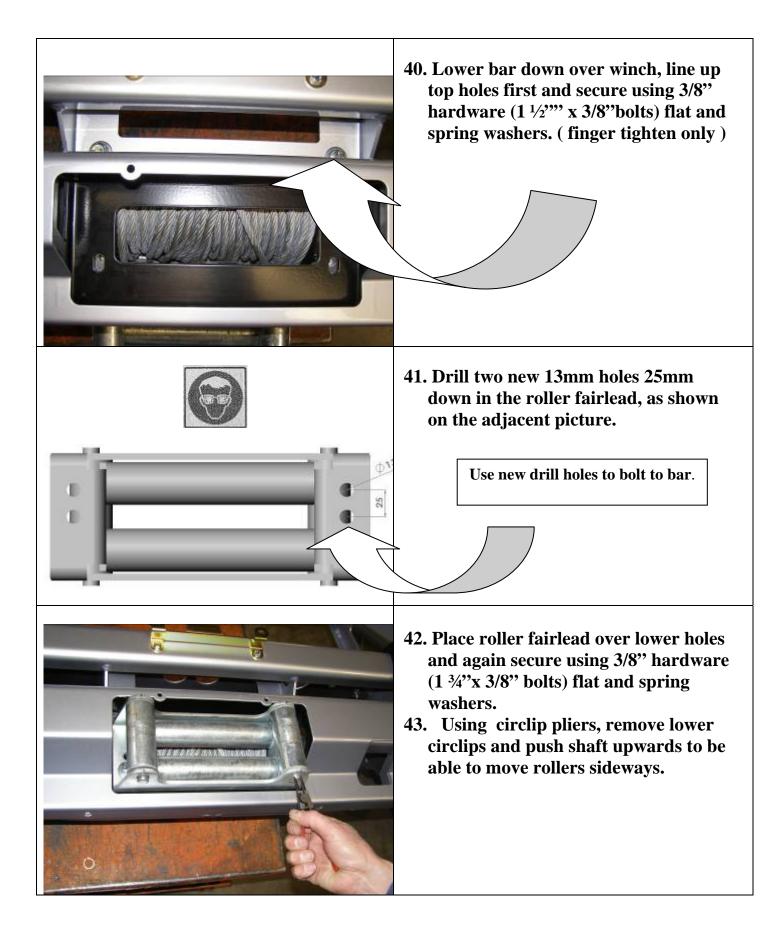


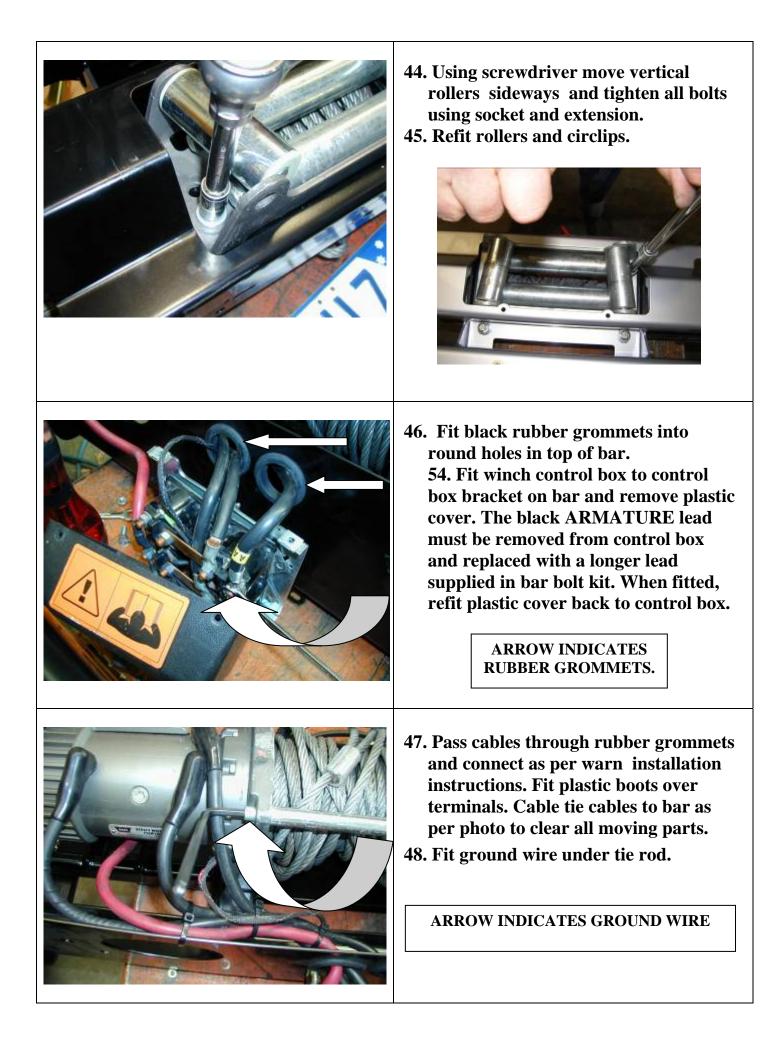


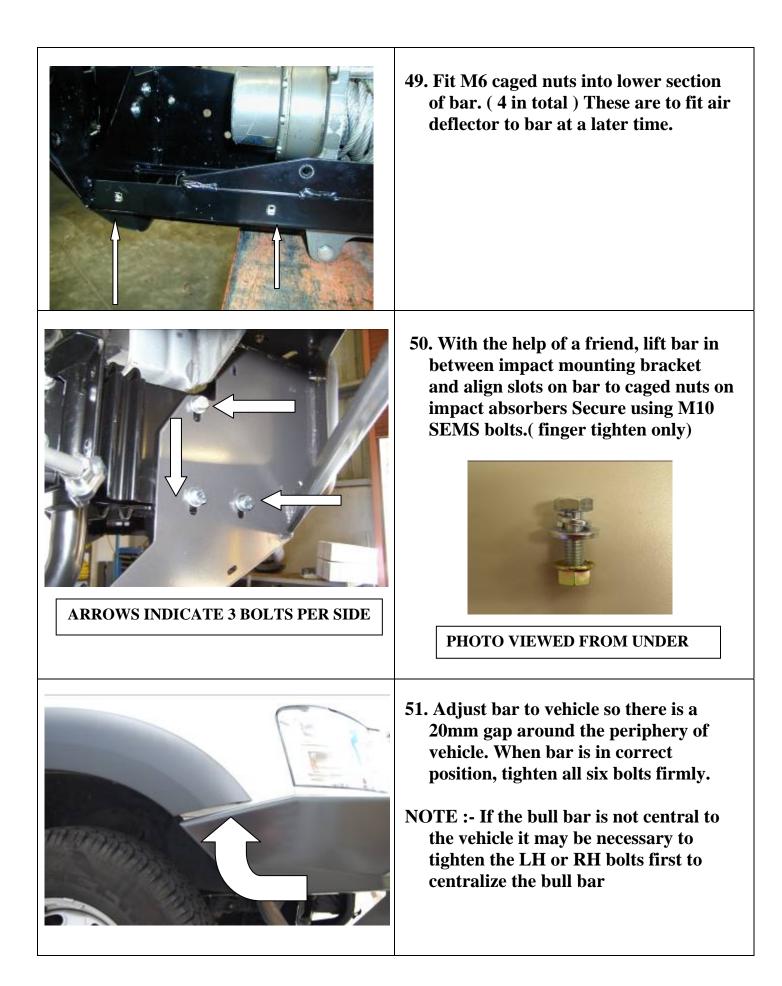
- 35. If you are not going to fit a winch to the bar, disregard winch fitting instructions.
- 36. Firstly if a winch is going to be fitted to the bar, fit control box bracket to bar using 8mm hardware. Next fit number plate bracket to bar using 6mm hardware.

IN BOTH CASES USE BRIGHT ZINC PLATED HARDWARE.

ORIGINAL VIEWED FROM LHS OF WINCH	TO FIT A WINCH BAR 37. To fit an 8/9/9.5/000lb winch, rotate gearbox 144° 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 This is how the winch looks after rotation of handle.
	<b>39.</b> To fit winch into bar you must pack winch up on a bench to enable you to lower bar down on winch, then fit four 3/8 " square nuts into winch lugs

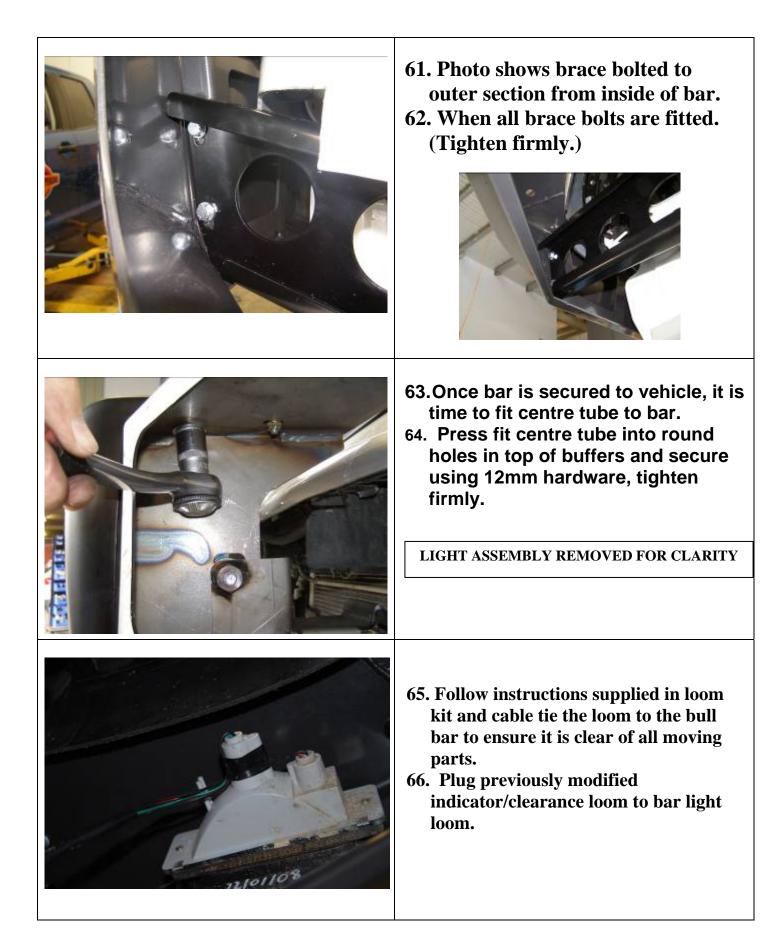








VIEWED FROM INSIDE RHS OF VEHICLE	<ul> <li>56. Fit diagonal braces from impact absorbers to lower brace on bar, securing using 8mm hardware.</li> <li>57. Diagonal braces must be fitted to winch and non winch bars.</li> </ul>
	<ul> <li>58. The next step to fit wing braces to both sides of the bar using 8mm hardware.</li> <li>59. Photo is of RHS of bar where brace fits to the mounting assembly.</li> </ul>
	60. Photo shows brace looking through lighting assembly aperture in front of bar LIGHT ASSEMBLY REMOVED FOR CLARITY





	70. Secure wing pan to centre air deflector using 4 M6 X 30mm black bolts, spring washers and flat washers. When everything is in place tighten all bolts.
	71. Fit number plate to number plate bracket using M6 hardware.
UHZ 458 VICTORIA - THE PLACE TO BE.	72. If the bar is going to be a non winch bar fitment, the number plate is fitted to bar as per photo using press in plastic plugs and 2 screws. This is to cover over roller fairlead cutout.

<ul> <li>72. Fit rubber extrusion around the outer edge of cover panel if a winch is not going to be fitted to bar.</li> <li>73. Secure cover panel to bar using 6mm hardware.</li> </ul>
74. If bar is not going to be fitted with a aerial, fit push in black plastic plugs.

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