

Part Number:3434190ProductDELUXE BULL BAR

Description: Suited to MITSUBISHI PAJERO '14 Onwards (NX) vehicle/s:

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. This service can be performed by your local authorized ARB Stockist.

FITTING REQUIREMENTS

REQUIRED TOOLS FOR FITMENT OF PRODUCT:

BASIC TOOL KIT	ELECTRIC DRILL WITH COMPLETE METRIC DRILL SET
JIG SAW WITH BLADE SUITABLE FOR PLASTIC	LOW TACK MASKING TAPE
FILE	UTILITY KNIFE
TAPE MEASURE	CLAMP
STEEL RULER	WHITE FELT MARKER
HACK SAW	TORQUE WRENCH
TOUCH UP PAINT ANTI CORROSION	RIGHT ANGLE ELECTRIC DRILL
POLYURETHANE GLUE	

HAVE AVAILABLE THESE SAFETY ITEMS WHEN FITTING PRODUCT:

Protective eyewear



Hearing protection



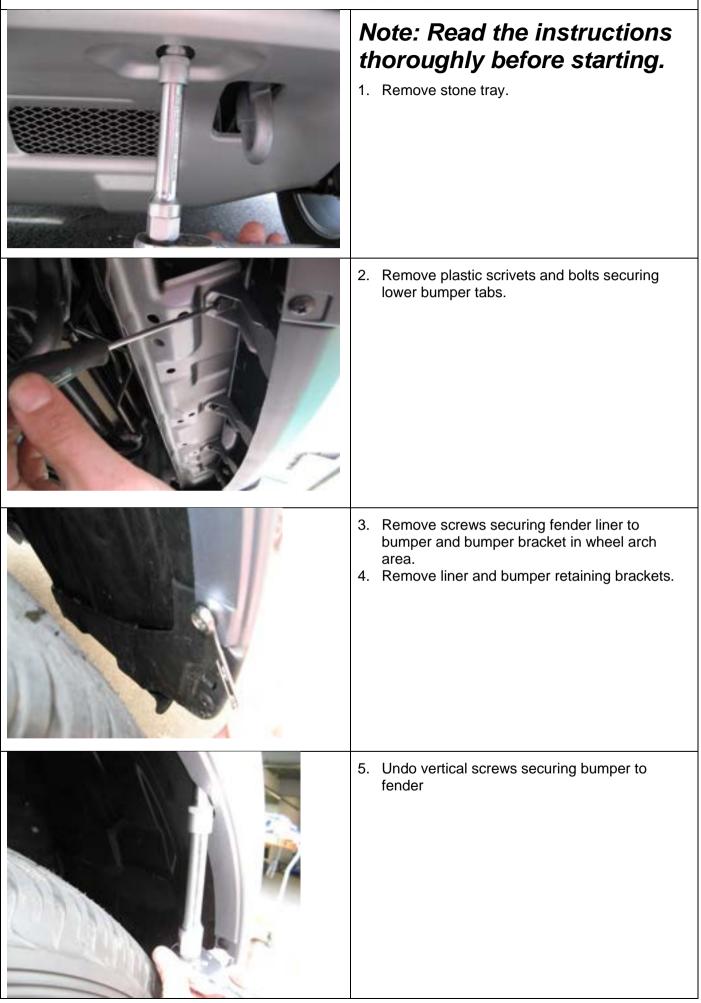
NOTE: 'WARNING' notes in the fitting procedure relate to OHS situations, where to avoid a potentially hazardous situation it is suggested that protective safety gear be worn or a safe work procedure be employed. If these notes and warnings are not heeded, injury may result.

FASTENER 🕅 TORQUE SETTINGS:			
SIZE	Torque Nm	Torque lbft	
M6	9Nm	7lbft	
M8	22Nm	16lbft	
M10	44Nm	32lbft	
M12	77Nm	57lbft	

PARTS LISTING			
APPLICATION.	PART NO.	QTY	DESCRIPTION
	3759603R	1	MOUNT ASSY RH
	3759603L	1	MOUNT ASSY LH
	3757509R	1	BRKT CHASSIS OUTBOARD RH
	3757509L	1	BRKT CHASSIS OUTBOARD LH
FIT MOUNTS TO	3757508R	1	BRKT CHASSIS INBOARD RH
CHASSIS	3757508L	1	BRKT CHASSIS INBOARD LH
	3199915	6	PLATE CAGE NUT
	6151302	6	NUT CAGED M10 1.8-3.2
	6151357	16	BOLT SEMS M10 x 30mm
	6151321	10	NUT FLANGE M10
	6151357	8	BOLT SEMS M10 x 30mm
FIT BAR TO MOUNTS	6151321	8	NUT FLANGE M10
	3162470R	1	BUFFER UPRIGHT 260x230 RH
	3162470L	1	BUFFER UPRIGHT 260x230 LH
FIT LIGHTS AND	3163082	1	KIT SURROUND ARB FOGLIGHT
MOULDINGS	6821300	1	LAMP KIT LED IND CLR WITH DRL
	6151128	12	NUT HX FLANGE M6
	6821116	4	GROMMET NYLON SNAP IN TYPE
	6523018	1	STONE GUARD
	6522714R	1	WING UNDERPANEL RH
	6522714L	1	WING UNDERPANEL LH
	6151300	14	NUT CAGED M6 2.6-3.5
	4581082	14	WASHER FLAT M6x19 BLK ZN
FIT STONE GUARDS	4581287	14	WASHER SPRING M6x2.5x1.6 BLK ZN
	6151711	14	SCREW BTN HD TX M6x25 BLK ZN
	6151301	2	NUT CAGED M8 3.3-4.7
	6151546	2	BOLT HX HD M8x1.25x25 BTZP480
	4581075	2	WASHER FLAT M8 BLK ZN
	4581047	2	SPRING WASHER M8 BZ
	6522944	1	PANEL COVER PRADO 150
FIT WINCH COVER	6191006	1	EXTRUSION WINCH COVER
PANEL	6151256	2	SCREW BTN HD M6x16SS
	4584295	2	FLAT WASHER M6x12 BZ
	6151128	2	NUT HX FLANGE M6
	3756499	1	BRKT CONTROL BOX MOUNT MULTIFIT
	6151021	2	BOLT M8x1.25x20 HX HD ZP
FIT CONTROL BOX	4581044	2	WASHER FLAT M8x17x1.6
	6151132	2	
	EG50	2	
	3751451	1	
FIT LICENSE PLATE	6151128	4	
(WINCH INSTALLED)	6151017	4	BOLT M6x16mm ZP
	6151046	4	WASHER FLAT M6 ZP
FIT LICENSE PLATE	6821189	2	
(NON-WINCH)	6151384	2	SCREW ST 5.2 X 16

FIT SIREN MOUNT	3758030	1	BRKT SIREN MOUNT
	6151303	3	NUT CAGED M8 1.8-3.2
	4581075	3	WASHER FLAT M8 BLK ZN
	4581047	3	SPRING WASHER M8 BZ
	6151262	3	BOLT M8x1.25x20 Gd 8.8 BZ
	6151128	4	NUT HX FLANGE M6
FENDER LINER RE- FASTENING	4581082	6	WASHER FLAT M6x19 BLK ZN
	4581287	6	WASHER SPRING M6x2.5x1.6 BLK ZN
	6151711	6	SCREW BTN HD TX M6x25 BLK ZN
	6191025	2	PINCH WELD 480mm
MISCELLANEOUS	3789363	1	BUMPER CUT TEMPLATE
	180302	10	CABLE TIE 4.8 x 180mm
	4581040	2	WASHER FLAT M10x25x3 ZP (RFL)
	6151074	2	BOLT UNC 3/8 x 1 ³ / ₄ Gd 8.8

FITTING PROCEDURE



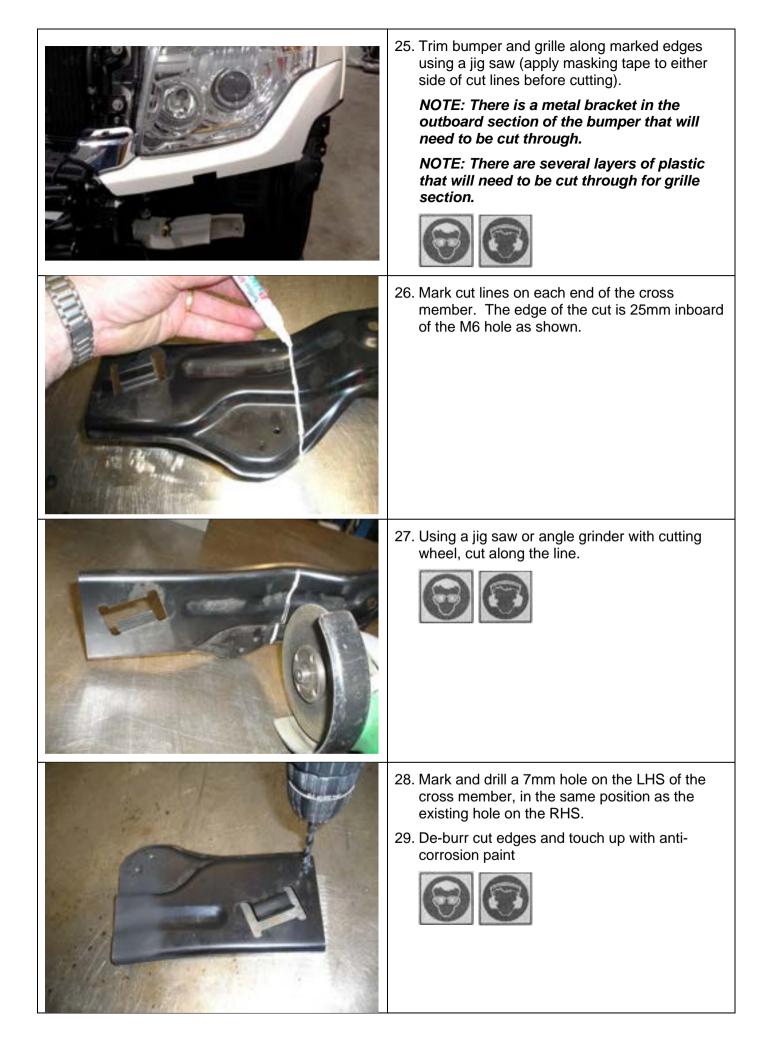
Last Rev Date: 25/08/2023 Page 5 of 26 Fitting instructions# 3789362 Copyright © 2023 by ARB Corporation Limited. All rights reserved, this document must not be reproduced without the express authority of ARB Corporation Ltd

6. Remove scrivets securing grille across the top and pull grille upward to release lower clips.
7. Remove upper bumper retaining scrivets.
8. Remove number plate.
9. Remove scrivets behind number plate position
10. Free the end of the flare from the bumper by pulling outward in the lower region as shown.

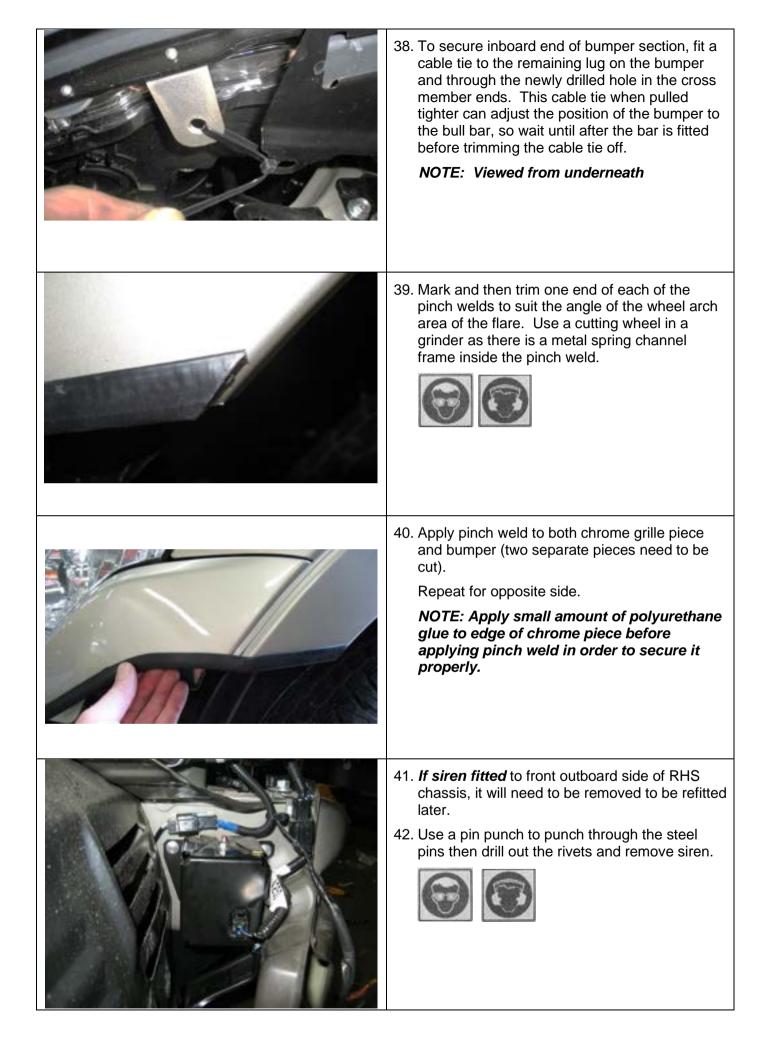
 11. With flare loose to bumper, pull the bumper end outward and forward to release it from the holding bracket on both sides then remove bumper entirely. 12. Place bumper on soft non-abrasive surface as the upper part will be reused and should not be damaged.
13. Undo upper cross member fasteners as shown on both end.
14. Remove cross member central fasteners then set aside.
15. Remove the Fog lights, Wiring harness and washer hoses (if fitted) from the back of the bumper and set aside.Retain wiring loom, headlight washer hoses and discard of fog lights.

	16. If washer assemblies fitted (circled for reference in picture), remove and set aside.
	17. Place bumper back on vehicle including securing wing area of bumper into retaining clips.
NX PAJERO	18. Cut bumper trim template supplied.
	19. Position/align bumper trim template with edges listed on template and mark cut line.

	20. Using a spirit level, continue marked cut line onto flare.
	21. Continue marked cut line on bumper as shown using bottom edge of rectangular hole as guide.Stop line 60mm from edge of chrome grille.
Anne Comm	 22. Mark a point on the edge of the chrome grille face 40mm from the top edge as shown and draw a line 40mm across and parallel to top edge on chrome piece. 23. Mark a line joining end point of line drawn towards end point of line drawn in step 21. 24. Continue marked line drawn in step 22 all the way around grille piece as shown. Repeat steps 19 - 24 for other side.
Roman and R	

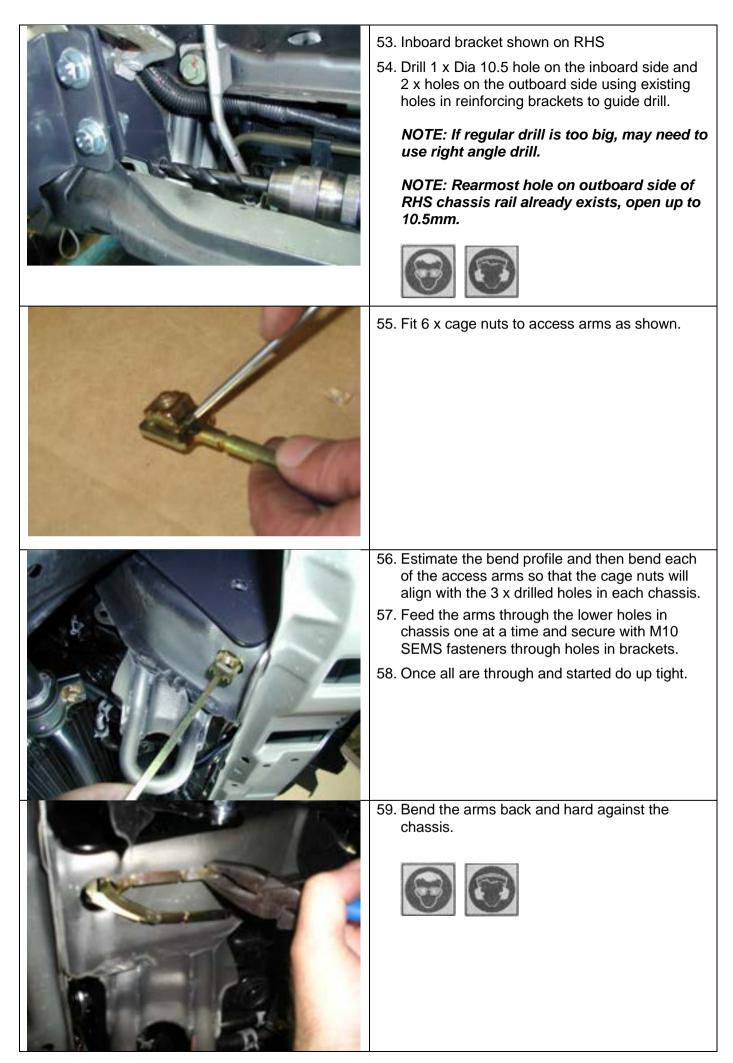


	30. Refit ends of cross member in original positions.
	31. Refit bumper ends32. Mark a line on the bumper hard up against the
	lip of the rubber trim on the flare.
	NOTE: This is in preparation for a slot which allows the pinch weld, fitted later in the process, to seamlessly fit across the end of the flare onto the bumper.
10 50	33. Remove the bumper ends.
	34. Mark out slot as shown 20mm high x 10 mm wide, starting <i>next</i> to the marked point from step 32 (circled).
9	CRITICAL: Slot should not be seen once flare is refitted with pinch weld in place.
	35. Notch out the marked area with a grinder and cutting wheel. Note that there is a metal bracket behind the plastic.
2	36. Refit the bumper sections, clipping the outboard area into the fender clips and the inboard area into the clips on the cross member ends.
	37. Fit the existing screw to vertically secure the bumper end to the fender.



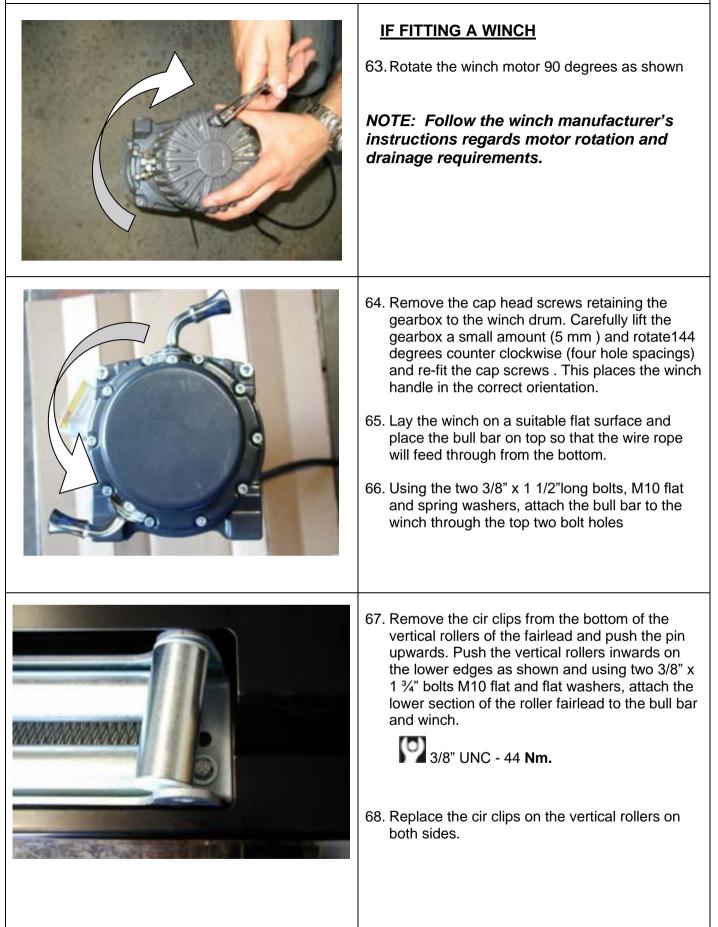
43. Bend small tab retaining plug located on RHS outer chassis rail upwards using pliers (to give better clearance to chassis bracket).
44. Remove scrivet retaining wheel arch guard to outer chassis rail (both sides). This will be trimmed at a later stage.
 45. Fit mount bracket sets with reinforcing plates to front of vehicle as shown. Use M10 fasteners sets to hold in position. NOTE: Return flanges on brackets face inboard as shown.
46. Remove metal braces fixing guards to crash beam

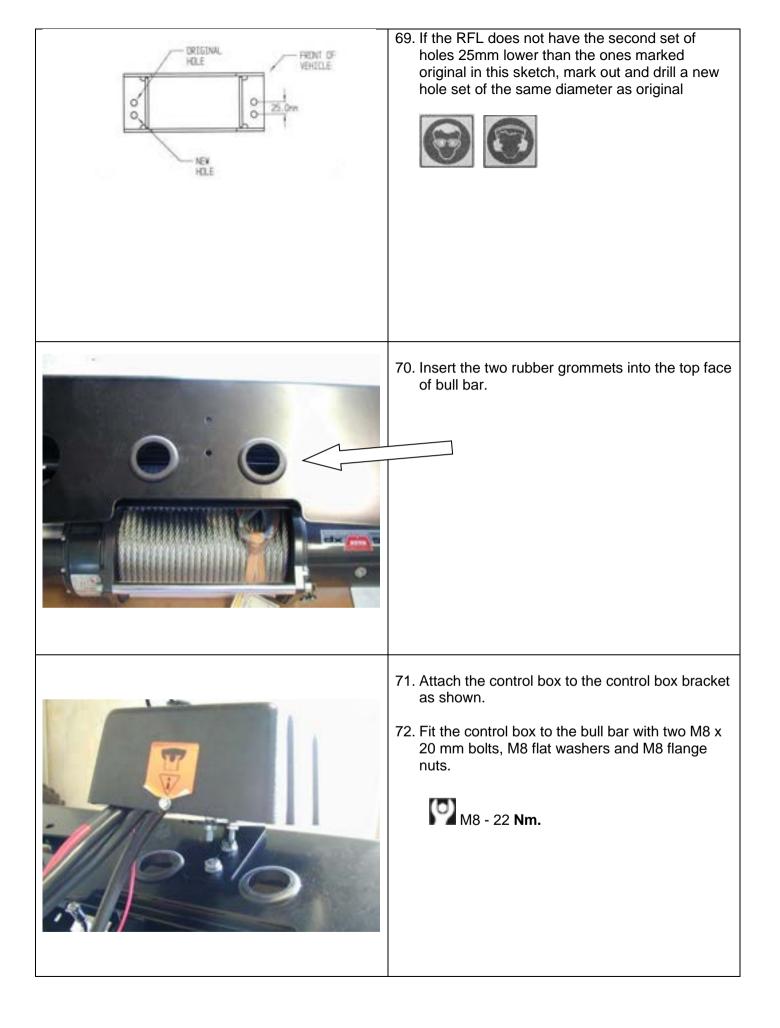
 47. Use a large 'G' clamp to hold reinforcing brackets hard up against the chassis sides. (LHS shown) 48. When in place tighten bolts. M10 – 44Nm
49. Outboard reinforcing bracket shown on RHS Showing Siren bracket fitted.
 50. <i>If refitting siren</i> fit cage nuts as shown top view 51. Fit bracket to side of brace shown on outer RHS of vehicle using M10 SEMS bolts and cage nuts supplied. <i>NOTE: You may have to loosen bolts in front flange of reinforcing bracket</i> 52. Fix siren to bracket with M8 bolt and washer sets, reconnect electrical and tighten all bolts to
Sets, reconnect electrical and lighten all bolts to specified torque. This end to front of vehicle Use these holes to bolt to vehicle with reinforcing bracket in between



60. Drill Diameter 10mm pinning hole in lower flange of mount bracket into the vehicle Cross member.Image of mount bracket into the vehicle Cross member.
 61. Fit M10 SEMS bolt and load flange nut from inside cross member then do up tight to specified torque. M10 – 44Nm
62. Reclip electrical loom connector into new bracket flange both sides of vehicle.

WINCH FITMENT ONLY





73. Run the cables through the rubber grommets and connect to the winch as per the wiring diagram supplied with the winch.74. Using cable ties fix the cables securely and ensure they are well away from any moving, sharp or hot surfaces.
75. Install licence plate bracket to bar using 2x M6 flange nuts, 2x M6x16mm bolts and 2x M6 washers.

NON WINCH DAD EITMENT

NON-WINCH I	BAR FITMENT
	76. Apply rubber mould to edge of winch hole cover panel and trim off excess.
	 77. Fit panel to top face on bull bar using stainless steel 2 x M6 dome head screws and stainless steel flat washers and flange nuts. 78. NOTE: The flat washers are to be sandwiched between panel and top face of bull bar to stop the panel pulling down to form depression around screw heads.
	79. Fit 2 x large round head grommets to front face of bull bar in square holes.
R Million	80. Fit number plate using black dome head screws inserted into grommets.

	BAR PREPARATION GENERAL CONTINUED				
		B		81. Insert the s	side buffers through the holes and fix M6 flange nuts.
				Washer Ki	ht Washers to Bar if required, refer to t Fitting Instructions. <i>fer to Washer Kit 3500570</i> <i>ns.</i>
				attach the using the s 84. Wire the co vehicles in <i>Caution:</i> <i>keep all c</i> <i>moving p</i>	all plastic grommets to the bar and combination LED lamps to the bar acrews provided with the lamp kit. combination lamp (kit: 6821300) to the dicator and clearance lamp wiring. Cable tie all cables together and cables clear of sharp edges and parts.
	2				
for the second				Wire	Vehicle connector
Larrantin	Function	LED Wire	Vehicle	White and a second seco	
	Ground	LED Wire Black	Black		3 pin (behind headlight)
		Black Green	Black Green/	Yellow (LHS) Red (RHS)	3 pin (behind headlight) 3 pin (behind headlight)
	Ground	Black	Black Green/	Yellow (LHS)	3 pin (behind headlight)

	 85. Assemble and install combination light surrounds (p/n 3163082) as per instructions no. 3789190 supplied with surround kit. Note: Optional fog lamps can be installed at this point as per fitting instruction supplied with fog lamp kit no. 3500640. <i>CAUTION: Cable-tie all cables together and keep all cables clear of sharp edges and all moving parts.</i> 86. Check the operation of all lights wired during bar fitment
Dulus	87. Using a black spray pack, paint the exposed colour coded area of the cross beam so it does not show.
	88. Offer bar to vehicle and loosely fasten using 6x M10x30mm SEMS bolts and 6x M10 flange nuts.
	 89. Adjust height of bar until there is an even gap on both sides of approximately 15-22mm between the bumper and bull bar wing. 90. Tighten 6x M10 fasteners securing bull bar to mounts once happy with the position.

 91. Drill 2x pinning holes using Φ10.5mm drill bit through existing holes in mount bracket lower flange area. 92. Insert 2x M10x30mm SEMS bolts and 2x flange nuts and tighten to specified torque. Image: Image: Im
93. Trim sections of wheel arch guard using lower edge of crash beam and wing as guide.
94. Tuck fender liner into inside rear of wing flange.
 95. Drill holes in fender liner using Φ7.0mm holes in wing return flanges as a guide and fasten fender line with 4 x M6x25mm black bolts, M6 washers, M6 spring ashers and M6 flange nuts. Image: A straight of the straigh

 96. Drill hole in fender liner (each side) corresponding to weld nut on the cross member and fasten with 2x M6x25mm black bolts, M6 flat washers and M6 spring washers. 97. Trim the liner with scissors or sharp blade to align with under panel and lower cross member. Image: Image: Ima
98. Carefully secure all loose wiring and washer bottle hoses to bar using zip ties supplied in fitting kit.
 99. Re-fit grille loading vertically, noting that there are pins on the lower section which align with holes in the top face of the bull bar. 100. Re-fit stone tray removed in step 1. 101. Check that indicators are not rubbing on the cut edge of the bumper. If this is the case, locally trim the bumper edge.
102. Fit 5x M6 cage nuts to each wing underpanel

103.	Fit 4x M6 cage nuts to bull bar lower lip on top face and 1x M8 cage nut to each mount.
104.	Fit stone guard to bar/mounts using 4x M6x25mm BTN HD screws, M6 washers and M6 spring washers as well as 2x M8x1.25x25mm bolts, M8 washers and M8 spring washers.
105.	Fit wing under panels to bull bar using 10x M6x25mm BTN HD screws, M6 washers and M6 spring washers.

FITTED PRODUCT – MITSUBISHI PAJERO NX DELUXE BULL BAR

