

LANDROVER DISCOVERY 2003 ON

PRODUCT NUMBER

3932020 SAHARA BAR 3032020 SAHARA BUMPER

FITTING KIT NUMBER 6171788

WARNING

FOR VEHICLES EQUIPPED WITH SRS AIRBAG WHEN INSTALLED IN ACCORDANCE WITH THESE INSTRUCTIONS, THE FRONT PROTECTION BAR DOES NOT AFFECT OPERATION OF THE SRS AIRBAG.

TAKE NOTE OF THE FOLLOWING:

- THIS PRODUCT MUST BE INSTALLED EXACTLY AS PER THESE INSTRUCTIONS USING ONLY THE HARDWARE SUPPLIED.
- 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.

If you have any queries regarding the installation of this product please contact the distributor from whom it was purchased, or alternatively the ARB office in your state. Head Office – ARB Corporation Ltd VIC: 42-44 Garden Street, Kilsyth, Victoria, 3137 Tel: (03) 9761 6622 Fax: (03) 9761 6607 WA: (08) 9244 3553 NSW: (02) 9821 3633 ACT: (02) 6280 7475 SA: (08) 8244 5001 QLD: (07) 3872 3872 NT: (08) 8947 2262 TAS: (03) 6331 4190

USE	PART No	QTY	DESCRIPTION		
	3756531	1 PAIR	BRACKET MOUNT		
	6151106	4	BOLT ¹ / ₂ " x 5" UNC		
	4581049	8	WASHER FLAT 1/2"		
MOUNTING SYSTEM	4581050	4	WASHER SPRING 1/2"		
	6151138	4	NUT ½" UNC		
	6151243	4	BOLT M10 x 130 X X1.5		
	4581040	8	WASHER M10 FLAT		
	4581048	4			
			WASHER SPRING M10		
	6151026	6	NUT M10 x 1.5		
	5846402	1 PAIR	PACKERS L/RHS		
	6151232	10	BOLT M10 x 30 x 1.5mm		
BAR TO	4581048	10	WASHER SPRING M10		
MOUNTING SYSTEM	4581040	12	WASHER FLAT M10		
	6151026	2	NUT M10 x 1.5		
	6151017	4	BOLT M6 x 16mm		
	37651313	1	BRACKET NUMBER PLATE		
NUMBER PLATE	6151046	4	WASHER FLAT M6		
	6151128	4	NUT FLANGE M6		
	3162469 L/R	1 PAIR	BUFFERS L/RHS SAHARA BAR		
BUFFER KIT	316	1 PAIR	BUFFERS L/RHS SAHARA BUMPER		
	4581072	12	WASHERS FLAT LARGE		
	6151162	12	NUT NYLOC M6		
	6821151 L/R	1	ARB INDICATOR KIT		
INDICATOR & FOG LIGHT	3756563 L/R	1 PAIR	BRKT FOG LIGHT		
	6151017	4	BOLT M6 x 16mm		
	4581072	4	WASHER FLAT M6		
	5848283	2	PACKERS PLASTIC FOG LIGHT SPACERS		
	180302	12	BLACK CABLE TIES		
	PT003-12B	6	SCREW COVER (FOG LAMP)		
	6151308	10	SCREW SELF TAPPING (TURN & FOG)		
	6821116	4	NYLON PLUG (TURN SIGNAL BRACKET)		
	6821152 6151309	2	WIRING LOOM (TURN SIGNAL) CAPTIVE U TYPE - CLIP		
		6 4	CAPTIVE UTTYPE - CLIP CAGE NUT M6		
	6151315 4581036	4	WASHER SPRING M6		
	180701	4 6	SCOTCH LOKS		
	6131174	0	FRAME CENTRE CHROME		
MAIN CENTRE FRAME	6151255	2	BOLT M12 x 40		
(SAHARA BAR ONLY)	4581049	2	WASHER FLAT M12		
(Janana DAR UNL I)	4581050	2	WASHER FLAT M12 WASHER SPRING M12		
	6521031	1	PANEL WINCH COVER		
COVER FOR NON WINCH BAR	6151256	2	SCREW M6 S/STEEL BUTTON HEAD		
	4581304	2	WASHER FLAT M6 S/S		
	6151128	2	NUT FLANGE M6		
	6191005	1	WINCH COVER EXTRUSION		
	6151180	2	BOLT M6 x 20		
UNDER GUARD TRIM TO BAR	4581084	2	WASHER BODY FLAT M6		
	6151128	2	NUT FLANGE M6		
PARTS BELOW TO BE USED IN A WINCH BAR					
	4581040	4	WASHER FLAT M10		
8-9000lb WINCH	4381040 6151074	4 2	BOLT 1 ³ / ₄ " x ³ / ₈ " UNC		
	180302	8	CABLE TIES		

	4581040	4	WASHER FLAT MI0
8-9000lb WINCH	6151074	2	BOLT 1 ³ 4" x 3/8" UNC
	180302	8	CABLE TIES
	6151021	2	BOLT M8 x 20mm
CONTROL BOX BRACKET	4581044	2	WASHER FLAT M8
	3756209	1	CONTROL BOX BRACKET
	6151132	2	NUT FLANGE M8

TOOLS REQUIRED.

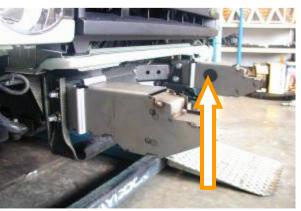
BASIC TOOL KIT, DRILL, 10MM DRILL BIT (180mm long) STANLEY KNIFE AND A METRIC TAPE.

ASSEMBLY SEQUENCE. PLEASE READ AND UNDERSTAND FITTING INSTRUCTIONS BEFORE **ATTEMPTING TO FIT BAR TO VEHICLE**



- 1. To remove the bumper bar from the vehicle undo the 7 screws that hold the plastic guard liner to the bumper bar on each side. Undo the four nuts that hold the bumper to the aluminum brackets and loosen the two nuts located on the inside out board face. Disconnect the fog lamp harness from both lamps and with assistance pull the bumper bar forward enough to disconnect the head lamp washers.
- 2 Remove the aluminum chassis extension brackets from both sides. Remove the tubular cross brace and the recovery bracket. Both are refitted at a later stage. Undo the 5 screws that hold the plastic air shield in place and with a small flat blade screw driver remove the two yellow plugs from the under side of the chassis rails.





- 3. Drill holes out to ¹/₂" through chassis rails and tow hook.
- 4. Fit the new impact absorbers to both the LH & RH chassis rails. Note that the smooth face faces outwards with hole on the inside. Using the 1/2" hardware supplied, bolt the RH impact absorber into position. At this stage only the two horizontal bolts are fitted, repeat this on the LH side using the 1/2" hardware supplied.
- 5. Once the impact absorbers are sitting horizontal and at the same height tighten both bolts. The holes in the impact absorber bottom bracket should line up with the square holes in the chassis. Before drilling the vertical pinning bolts measure the distance between the two out side edges of the impact absorber – making sure the measurement is no larger than 807 mm (loosen bolts and adjust if necessary).





NYLON PLUG



9. Placing the original bumper bar face down on a blanket remove all of the screws that hold the painted outer section to the main bumper. Using pliers remove the clip that holds the washer nozzle in the bumper and take out the nozzle (both sides). These are re-fitted into the bar once the fog lamp and turn signal are installed.

Using a small flat bladed screw driver disengage the locking tabs on both sides and remove the cover, this will enable the fog lamp to be un-screwed in three places and removed.

10. Fit the "u" nuts to the fog lamp bracket as shown, the nylon washer fits between the bracket and the lamp mounting foot (located on the adjustment side) fit the fog lamp with the screws provided.

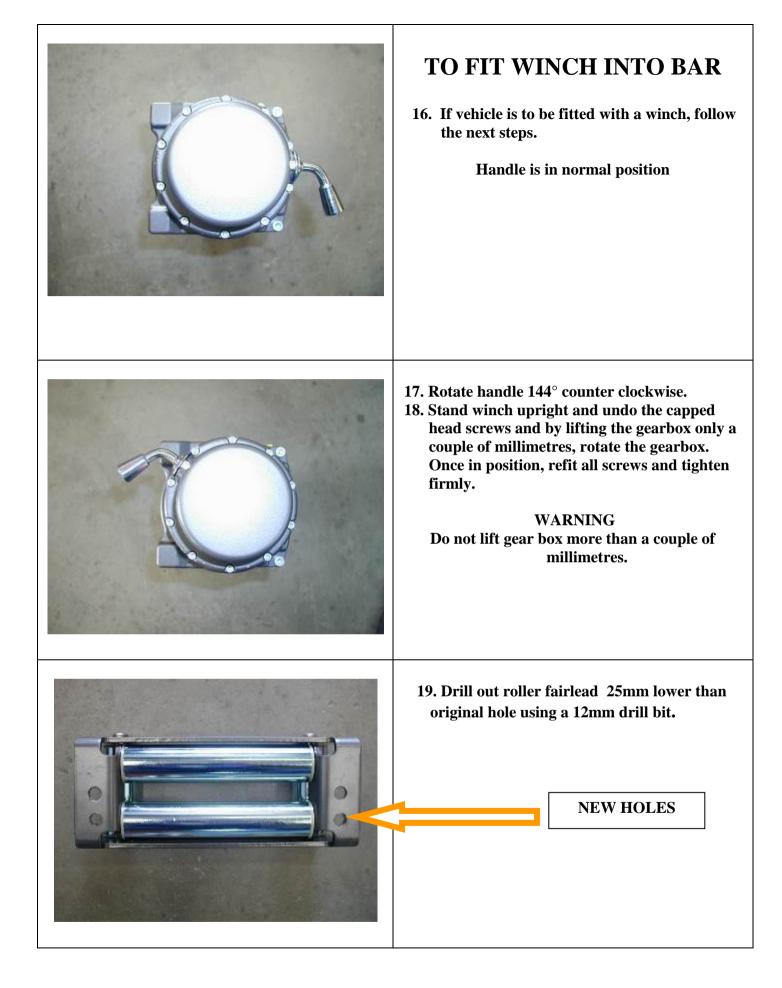
Note:- The Left hand fog lamp is shown.

Insert the nylon plugs into the square holes in the turn signal aperture, located on the inside face of the bar. From the rear, screw the turn signal assembly to the bracket on the bar.

Re-fit the washer nozzle both sides once the fog lamp & turn signal are fitted. The washer retaining clip may need to be flattened slightly to fit.









20. Fit control box bracket to bar using 8mm hardware.

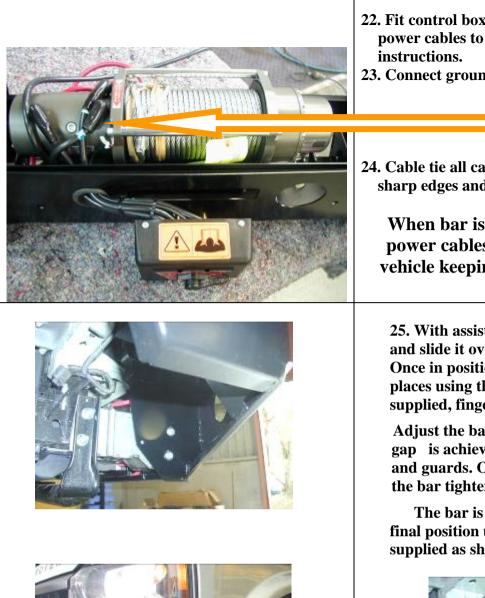


Cable spools from bottom of winch.

When fitting roller fairlead to bar, remove circlips and push vertical pins upward to move the vertical rollers sideways to enable you to place a socket to the bolt. When all bolts are fitted replace vertical pins and circlips. 21. Fit winch into bar using 1 1/2" x 3/8" bolt on top holes and 1 ³/4" x 3/8" bolt on the lower holes plus 25mm large flat washers and spring washers.









- 22. Fit control box to bracket and connect all power cables to winch motor as per warn instructions.
- 23. Connect ground wire to winch tension bar.
- 24. Cable tie all cables together and keep clear of sharp edges and all moving parts.

When bar is fitted to vehicle, fit both power cables to battery and cable tie to vehicle keeping clear of all moving parts.

25. With assistance lift the bar into position and slide it over the two impact absorbers. Once in position bolt up the bar in the 8 places using the M10 bolts & hardware supplied, finger tight only at this stage.

Adjust the bar on the vehicle until a uniform gap is achieved to the grille & headlamp and guards. Once happy with the position of the bar tighten all of the bolts.

The bar is then drilled and pined in its final position using the M10 hardware supplied as shown in the attached photo.



26.Re-connect the fog lamp harness and the turn signal harness on both sides of the vehicle, cable tie the wiring where appropriate.

Ensure the turn signal & fog lamps are working correctly.

Reconnect the head lamp washer tubes on both sides.

