

ARB WINCH/NONWINCH BULLBAR

TO SUIT HJ100 IFS

(To suit October 2002 on)

PRODUCT No. 32/3413190 FITTING KITS 6172338, 6172342

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.
- 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 ATTEMPED.
- 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.

OPTIONAL LIGHT SETS TO SUIT THIS PRODUCT: -ARB 6821201 Fog Light Kit Suit 3163015 -Up to IPF 900 SERIES FOG OR DRIVING LIGHT SETS

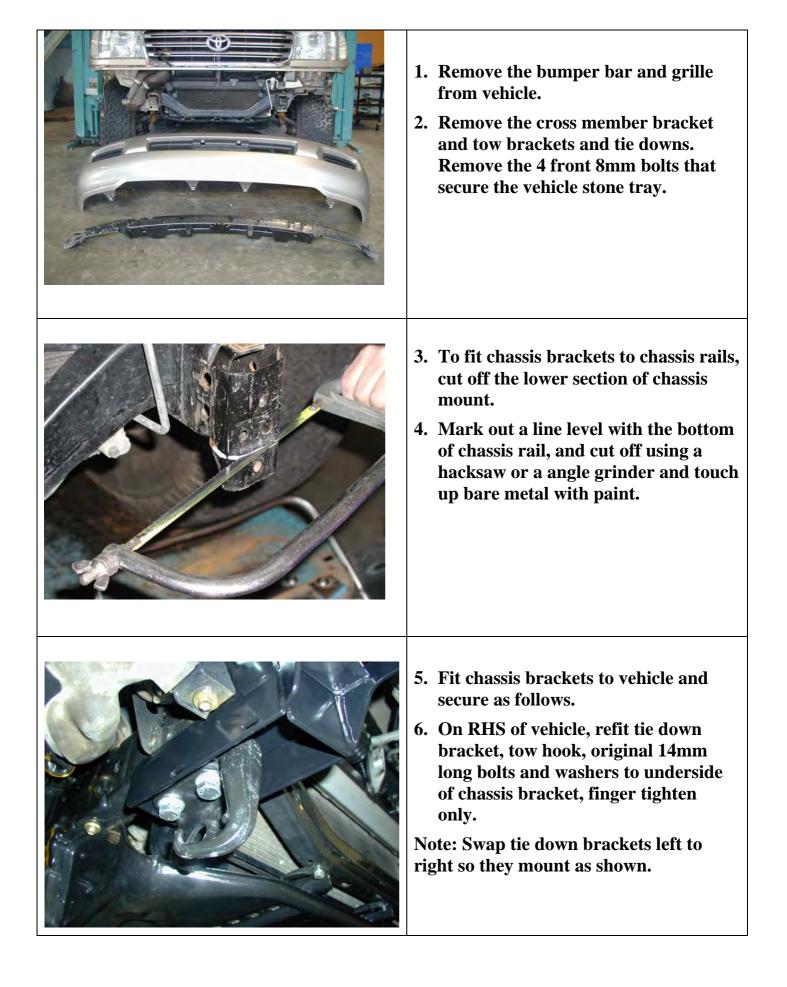
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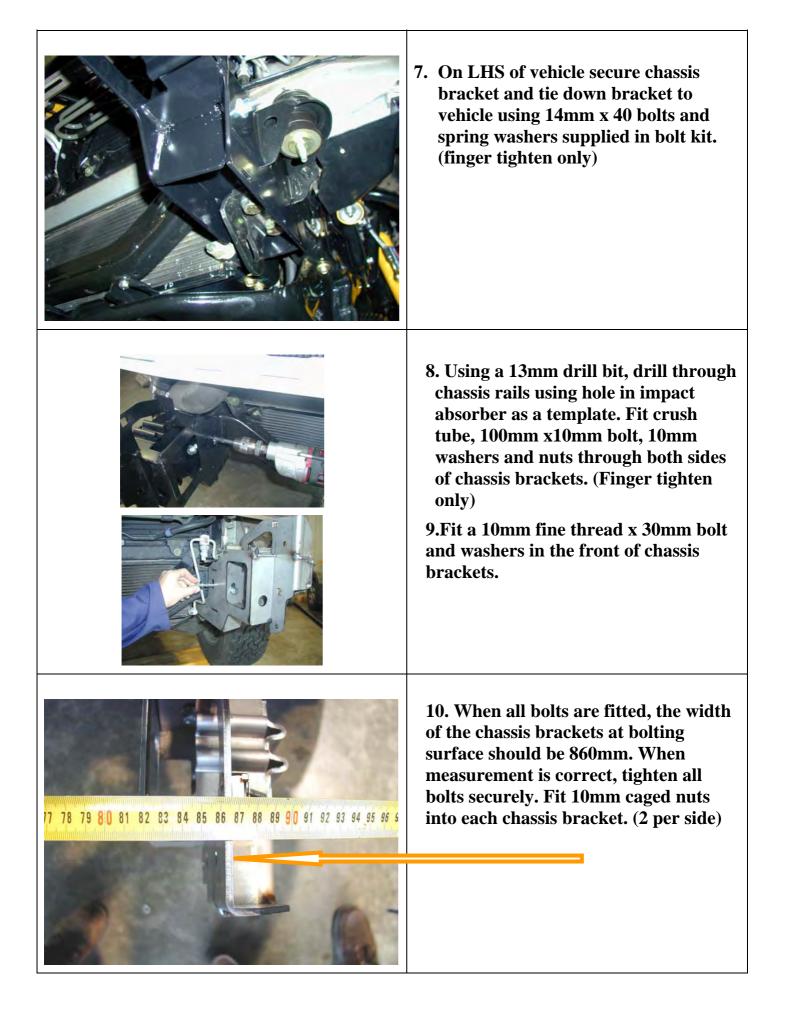
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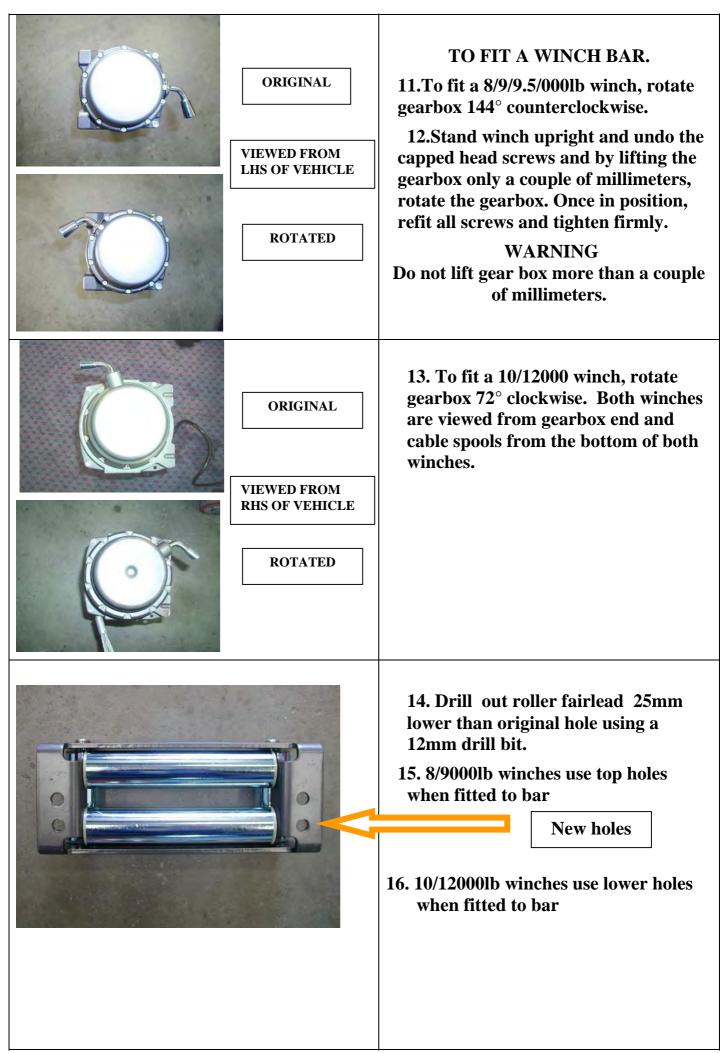
USE	PART No	QTY	DESCRIPTION
MOUNT BRACKETS TO	6151099	2	BOLT M14 X 40mm
VEHICLE	4581052	2	WASHER SPRING M14
_	6151299	2	BOLT M10 X 1.5 X 100mm
	6151040	2	BOLT M10 X 1.25 X 30
	4581048	4	WASHER SPRING M10
	4581040	6	WASHER FLAT M10
	6151026	2	NUT 10 X 1.5
	3756493L	1	BRACKET IMPACT ABSORBER LHS
	3756493R	1	BRACKET IMPACT ABSORBER RHS
	4721520	2	TUBE CRUSH
BULLBAR TO MOUNT ASSY	6151232	8	BOLT M10 X 30X 1.5
	4581288	4	WASHER FLAT M10 LARGE
	4581040	4	WASHER M10 FLAT
	4581048	8	WASHER M10 SPRING
	6151026	4	NUT M10
	6151304	4	NUT M10 CAGED
WINCH 8/9000/10,000 LB	4581040	4	WASHER FLAT 3/8"
	6151074	2	BOLT 3/8" X 1 ¾"
	4581041	2	WASHER FLAT 7/16"
NUMBER PLATE	3751451	1	NUMBER PLATE BRACKET
	6151180	4	BOLT M6 X 16
	6151046	4	WASHER FLAT M6
	6151128	4	NUT FLANGE M6
CONTROL BOX	3751564	1	CONTROL BOX BRACKET
	6151021	2	BOLT M8 X 20MM
	6151132	2	NUT FLANGE M8
	4581044	2	WASHER M8
BUFFERS TO BAR	6151128	12	NUT FLANGE M6
	6162470R	1	BUFFER UPRIGHT RH
	6162470L	1	BUFFER UPRIGHT LH
WINCH CABLES	BLB560	2	BLACK CABLE
	BLR 560	1	RED CABLE
CABLE TIES	180302	8	CABLE TIES
AIR DEFLECTOR	3314477	1	AIR DEFLECTOR
	6151300	4	NUT M6 CAGED
	6151180	4	BOLT M6 X 20
	6151046	4	WASHER FLAT
	4581036	4	WASHER SPRING
INDICATORS TO BAR	3163015	1	COMBINATION LIGHT SURROUND KIT
	180701	6	SCOTCH LOCK
	6821151L	1	TURN SIGNAL / CLEARANCE LIGHT
	6821151R	1	TURN SIGNAL / CLEARANCE LIGHT
	6821152	2	WIRING LOOM
	3314478	1	PAN COVER INTERCOOLER
TURBO DIESEL MODEL	6151128	5	NUT FLANGE M6
FIT KIT 6171775	6151180	5	BOLT M6 X 20
	6151046	5	WASHER FLAT M6

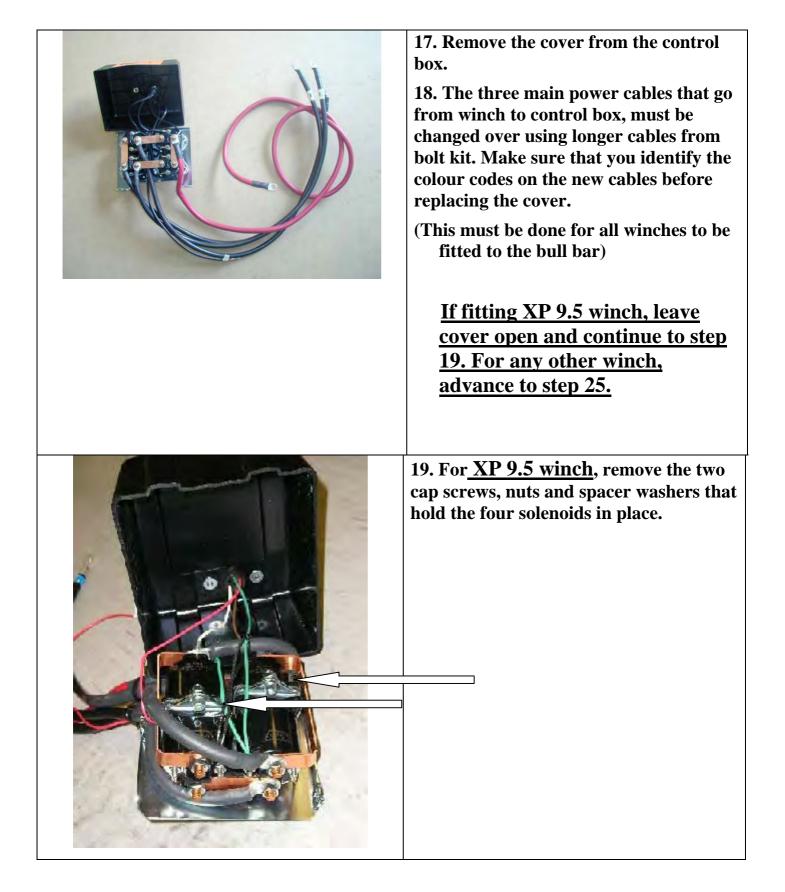
Tools Required

10mm, 14mm, 13mm 18mm, 19mm, 22mm Spanners and Sockets. Phillips head screwdriver, drill & 10mm drill bit, hacksaw or angle grinder and 50mm, 100m socket extension.



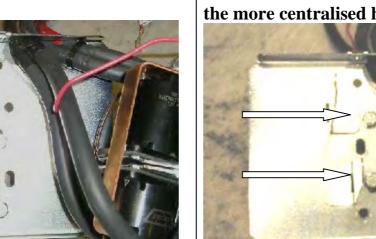




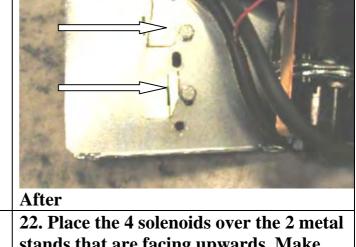


20. Remove the four solenoids from the base of the control box using the copper bus bar as an aid and hold to one side.





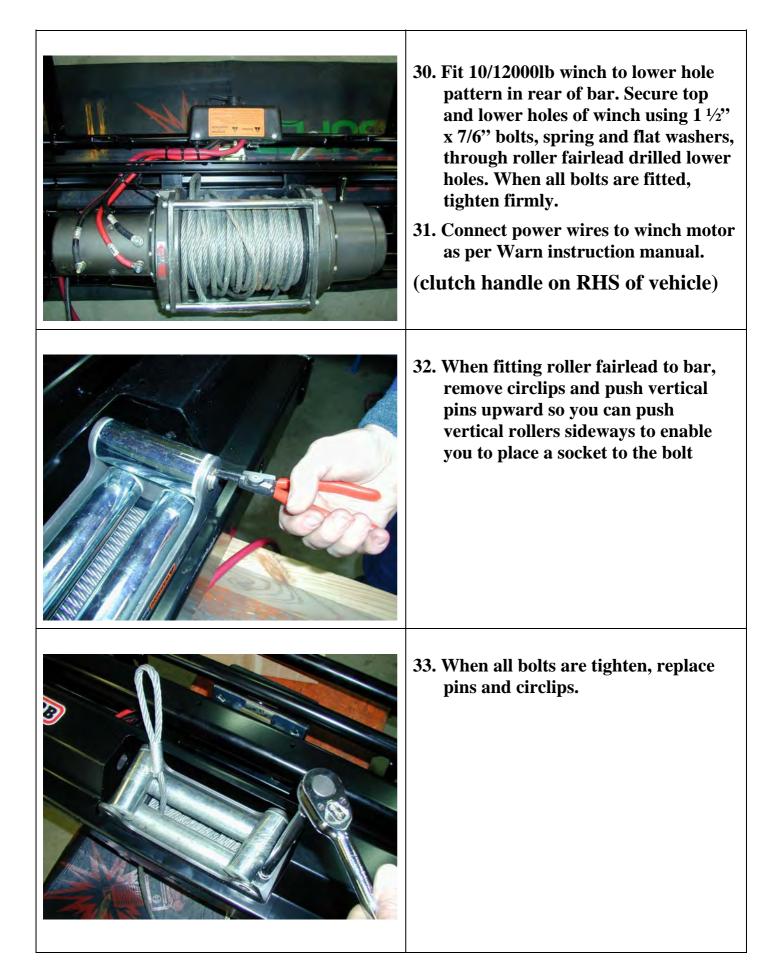
21. Remove the two bolts in the base of the control box and reposition them into the more centralised holes





22. Place the 4 solenoids over the 2 metal stands that are facing upwards. Make sure they line up with the holes in the base.

 23. Replace the 2 cap screws, washers and nuts removed in step 19 above into original holes. 24. Replace the black cover and refit the three cover screws (DO NOT OVER TIGHTEN)
25. Fit control box bracket to bar using 8mm hardware.
26. Fit buffers to bull bar using 6mm hardware.
 27. Fit control box to control box bracket and pull wires through top cutouts. 28. Fit 8/9000lb winch to top hole pattern in rear of bar. Secure top holes of winch using 1 ¹/₂" x 3/8" bolts, spring and flat washers, and lower holes with 1 ³/₄" x 3/8' bolts through roller fairlead original top holes. When all bolts are fitted, tighten firmly. 29. Connect power wires to winch motor as per Warn instruction manual (Clutch handle on LHS of vehicle)

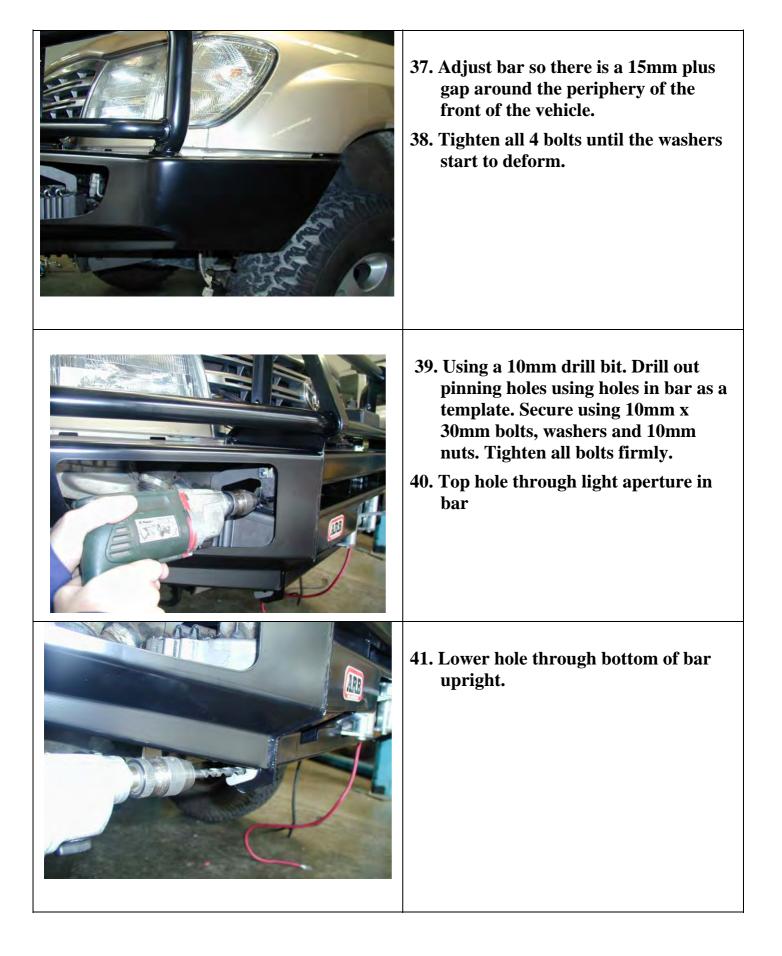


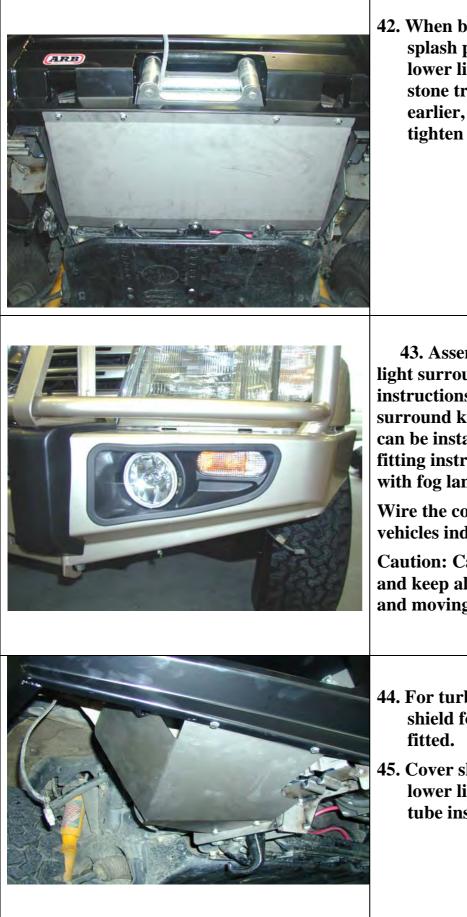
34. Before fitting bar to chassis brackets on vehicle, cable tie all winch power cables well clear of all moving parts. When bar is fitted to vehicle, fit leads to battery and cable tie clear of all moving parts.

- **35. Fit 6mm caged nuts into square holes** in lower section of bar.



36. With the help of a friend, lift bar in between the chassis brackets and secure to caged nuts using 10mm x 30mm bolts, large HD washers and spring washers.





42. When bar is secured to vehicle, fit splash pan using 6mm caged nuts on lower lip of bar, and to where the stone tray 8mm bolts were removed earlier, when all bolts are in place tighten securely.

43. Assemble and install combination light surrounds (p/n 3163015) as per instructions no. 3786421 supplied with surround kit. Note: Optional fog lamps can be installed at this point as per fitting instruction no. 3783315 supplied with fog lamp kit no. 6821201.

Wire the combination lamp to the vehicles indicator and clearance lamps.

Caution: Cable tie all cables together and keep all cables clear of sharp edges and moving parts.

- 44. For turbo diesel models, a cover shield for intercooler pipes must be
- 45. Cover shield fits to chassis bracket, lower lip of bar and to the tag on the tube inside the bar.



46. Fit number plate to bar.

Winch Bar

If you have a slimline number plate attach it directly to the top pan with the fasteners provided.

If you have a standard number plate, fasten it to the top pan using the bracket and fasteners provided.

Non Winch Bar

Fasten the number plate to the lower pan using the fasteners provided.

