



FITTING INSTRUCTIONS

Part Number: **3540050**
Product **Winch install kit**
Description:
Fitting Kit: **6173278**

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.
- ◆ 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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REQUIRED TOOLS FOR FITMENT OF PRODUCT:

Basic tool kit	Hacksaw (Slim line only)
File (Slim line only)	Matte Black paint (Slim line only)

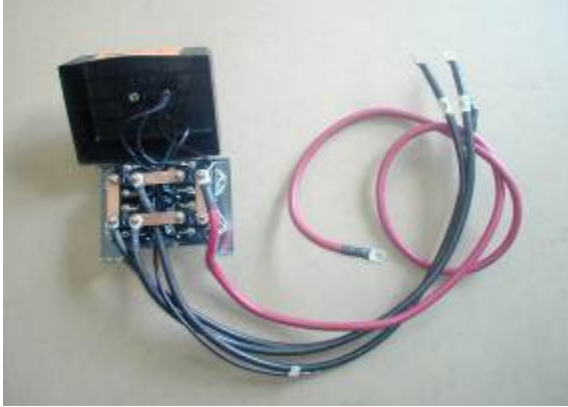
FASTENER TORQUE SETTINGS:

SIZE	Torque Nm	Torque lbft
M6	9Nm	7lbft
M8	22Nm	16lbft
M10	44Nm	32lbft
M12	77Nm	57lbft

PARTS LISTING

APPLICATION.	PART NO.	QTY	DESCRIPTION
INSTALL WINCH AND FOLDING NUMBER PLATE BRACKET	EG50	2	GROMMET ROUND
	3756499	1	CONTROL BOX BRACKET
	4581044	2	WASHER FLAT M8
	6151021	2	HEX BOLT M8 x 20
	6151132	2	FLANGE NUT M8
	4581040	2	WASHER FLAT 3/8"
	6151074	2	BOLT UNC 3/8" x 1 3/4"
	180302	10	CABLE TIES
	BLB850	3	CABLE BLACK 850mm
	3758963	1	PIVOT BRACKET
	3758964	1	BASE BRACKET
	6151223	2	NYLOCK NUT M6 BLACK
	6151128	6	FLANGE NUT M6
	4584295	6	FLAT WASHER M6 BLACK
	5848302	2	PLASTIC WASHER BLACK
	6151213	4	HEX BOLT M6 x 20 BLACK
	6151256	4	BUTTON HEAD SCREW M6 x 16 SS
	6151304	4	WASHER FLAT SS

FITTING PROCEDURE

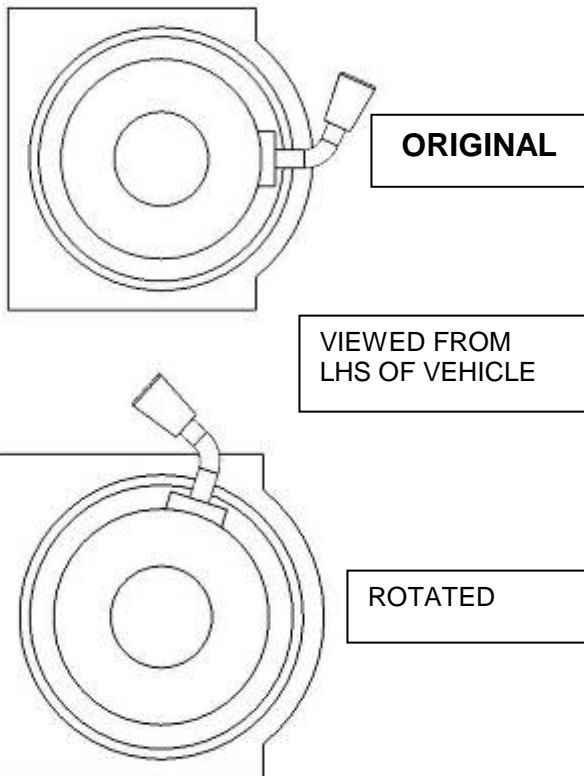


Note: The control box shown is an older style Warn model. The following 2 steps are required if fitting this or any other type of control box if the cables supplied are not long enough to reach from the winch to the control box.

1. Remove the cover from the control box.
2. Replace (if required due to lack of length) the 3 power cables that go from the winch to the control box. Make sure that you identify the colour / note code on the new cables before closing the control box cover.



3. Bolt the control box bracket to the control box.
4. Fit the two grommets into the round holes in the top of the bull bar then thread the cables through.
5. Mount the control box bracket onto the top pan, using M8 bolts, flat washers and flanged nuts. Use the cable ties to ensure the winch cables are secure, clear of moving parts and sharp edges and tie them together.



Note To fit an 8/9/9.5/000lb warn winch, rotate gearbox 72° counter clockwise.

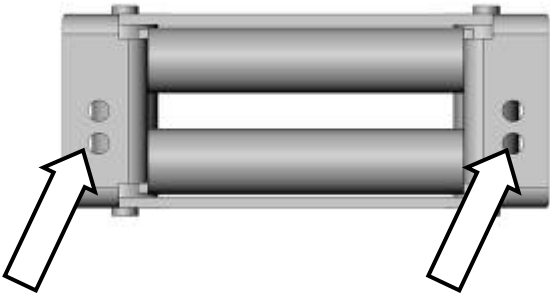
6. Stand winch upright and undo the capped head screws and by lifting the gearbox only a couple of millimetres, rotate the gearbox. Once in position, refit all screws and tighten firmly.

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

FITTING PROCEDURE



7. Place winch on a stand with mounting holes facing upwards and lower bull bar onto winch. Align all four holes, using the original 3/8" bolts that came with the winch in the top two holes and the longer 1 3/4" x 3/8" bolts, supplied in the kit, in the lower two holes plus 3/8" spring and flat washers with each bolt.
8. When all bolts are fitted and finger tight, tighten top holes only, using a stepped ring spanner and remove lower bolts.



9. Drill 2 new Ø13mm holes in the roller fairlead (RFL) supplied with the winch **20mm** below the OE holes as shown.

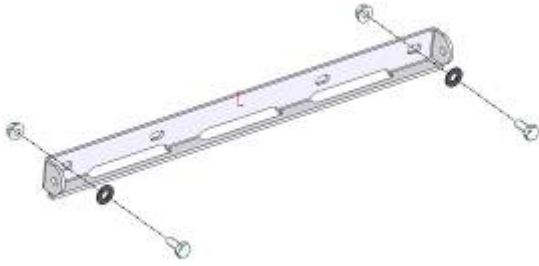


10. Remove the lower circlips from the vertical RFL pins and set aside.
11. Fit the RFL into the cut-out in the bar.
12. Push the vertical pins up through the holes (if applicable) in the lower pan and remove the top circlips.
13. Push the pins down out of the RFL and remove the vertical rollers.
14. Refit the winch bolts and tighten.
15. Refit the rollers, pins and circlips to the RFL.



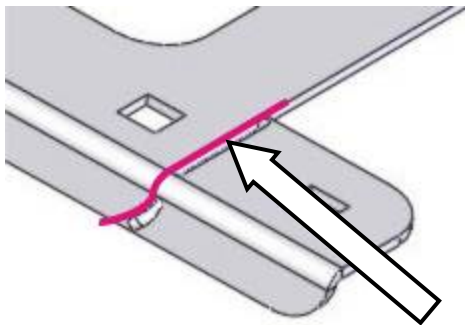
16. Connect the winch control box cables to the winch. Refer to Warn installation instruction manual when wiring up winch.
17. Ensure that all cables are installed well clear of all sharp or moving parts, by using cables ties from bolt kit.
18. Cable tie the cables that go to the battery so that they are also clear of sharp or moving parts and have a clear path to the battery.
19. Pull the cable through the RFL and attach the hook

FITTING PROCEDURE

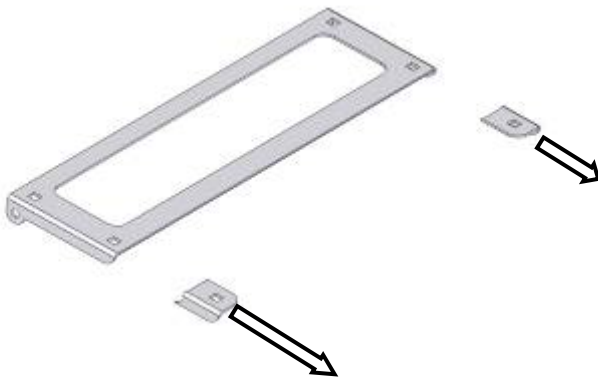


20. Fit the base bracket to the bar using 2 M6 bolts, 2 M6 flat washers and M6 flange nuts. Centralise the bracket, ensure it is level to the bar and tighten to the above specified torque.

Note: There are 2 sets of holes provided to suit most bars.



21. If you are fitting a full sized plate proceed to step 7, if you are fitting a slim line plate continue from here.
22. Using the laser cut grooves as a guide, mark cut lines on both sides of the pivot bracket as shown.

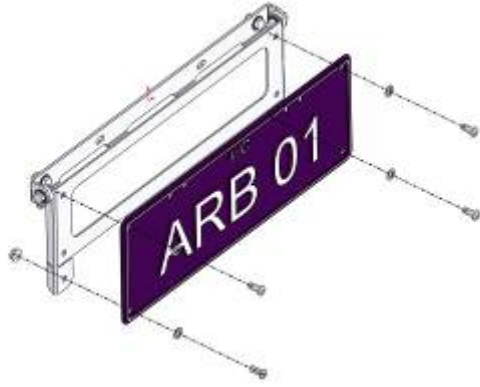


23. Use a hacksaw to carefully cut away the lower sections of the bracket and discard.
24. Use a file to remove any sharp edges.
25. Use matte black enamel paint to touch up the cut surfaces to prevent rust.



26. Fit the pivot bracket to the base bracket using 2 M6 bolts, 4 M6 flat washers 2 M6 nylock nuts with 2 plastic washers separating the 2 brackets as shown. Leave loose.
27. Tighten each side evenly until the movement is firm.

FITTING PROCEDURE



28. Using 4 SS M6 button head screws, SS M6 washers and M6 flange nuts attach the number plate to the pivot bracket.

Return to bar fitting instructions.

FITTED TO BAR

