

ARB DELUXE BULL BAR TO SUIT

MAZDA BRAVO & FORD COURIER 1999 On

Part No's 32/3440050 without flares, Part No's 32/3440060 with flares

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.

BULL BAR FITTING KIT No 6171778/79

USE	PART No	QTY	DESCRIPTION
IMPACT ABSORBER TO CHASSIS	3751785L	1	IMPACT ABSORBER LHS
	3751785R	1	IMPACT ABSORBER RHS
	6151098	4	BOLT M12 X 1.5 X 40mm
	4581049	4	WASHER 12mm
	4581050	4	WASHER SPRING 12MM
BRACE TO BULL BAR	4681123L	1	BRACE COURIER/MAZDA
	4681123R	1	BRACE COURIER/MAZDA
BULL BAR TO IMPACT ABSORBERS	6151232	6	M10 X 30mm BOLT
	4581040	6	M10 FLAT WASHER
	4581048	6	M10 SPRING WASHER
NUMBER PLATE TO BULL BAR	6151017	2	M6 x 16mm BOLT
	6151128	2	M6 FLANGE NUT
	6151046	2	M6 FLAT WASHER
STONE TRAY BULL BAR	3314481	1	STONE TRAY
	6151021	7	M8 X 20mm BOLT
	6151132	7	M8 FLANGE NUT
	4581044	7	M8 FLAT WASHER
	3500200	1	BUFFER
	6151132	4	M8 FLANGE NUT
	3500080	1	ARB INDICATOR KIT (CONTAINS LEFT AND RIGHT)

FOR THE WINCH BULL BARS ONLY

USE	PART No	QTY	DESCRIPTION
8-9000lb WINCH	4581040	4	M10 FLAT WASHER
NUMBER PLATE	3751789	1	NUMBER PLATE BRACKET
	6151017	4	M6 X 16 BOLT
	6151128	4	M6 FLANGE NUT
	4581035	4	M6 FLAT WASHER
CONTROL BOX BRACKET TO BULL BAR	3751564	1	CONTROL BOX BRACKET
	6151021	2	M8 X 20mm BOLT
	6151132	2	M8 FLANGE NUT
	6151046	2	M8 FLAT WASHER
	6821110	1	GROMMET
	180302	6	CABLE TIE
	BLB560	2	BATTERY LEAD BLACK
	BLR560	1	BATTERY LEAD RED

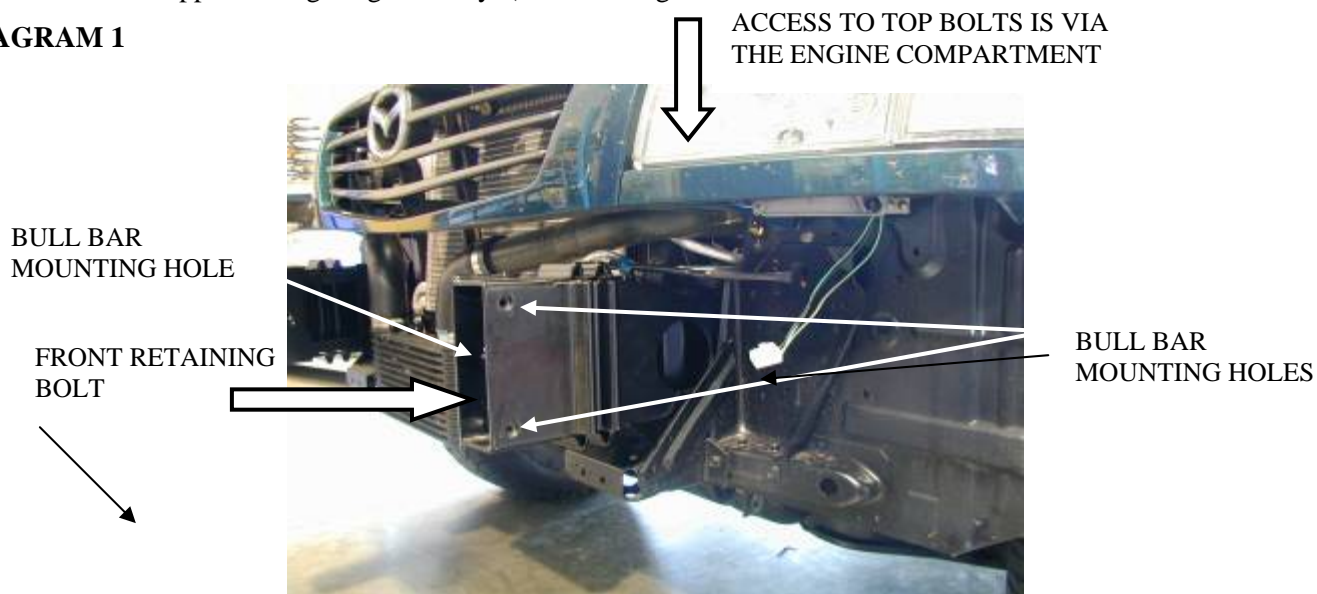
TOOLS REQUIRED

Basic tool kit, long socket extension, drill and 10mm drill bits.

FITTING PROCEDURE

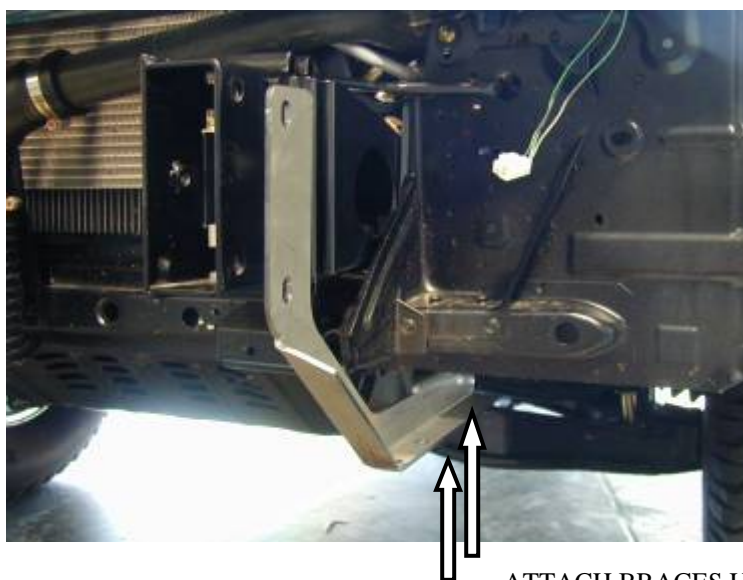
1. Remove bumper bar and tow hooks from the vehicle.
2. Fit the left and right hand impact absorbers to the top of the chassis rails using the M12 bolts, spring washers and flat washers supplied. Finger tighten only. (Refer to diagram 1)

DIAGRAM 1



3. Measure the distance between the outside edges of the impact absorbers and set them at 815mm apart then tighten the two top bolts retaining the impact absorber to the chassis.
4. Tighten the remaining front impact absorber bolts. This allows self-aligning of the impact absorbers to the mounting points on the bull bar.
5. Attach the bull bar braces to the vehicle where the tow hooks were removed using the original bolts but do not tighten. (Refer to diagram 2)

DIAGRAM 2



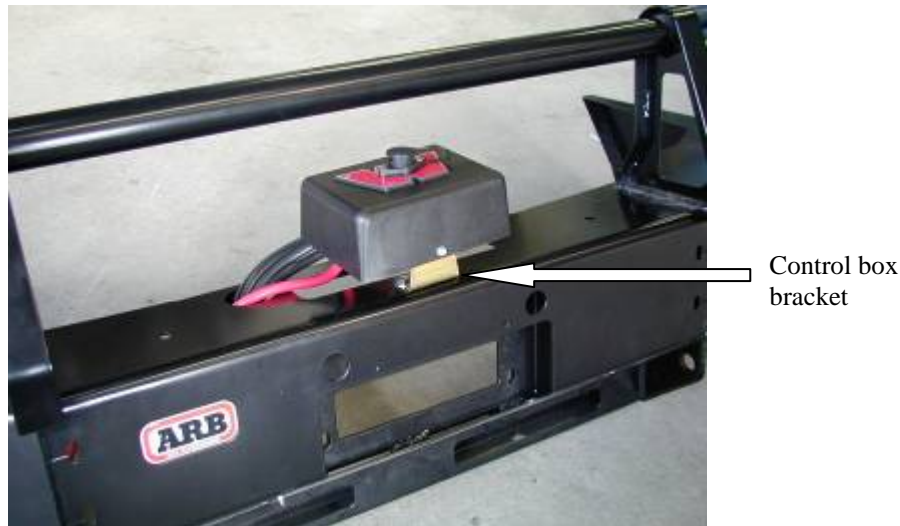
ATTACH BRACES USING ORIGINAL BOLTS TO TOW HOOK MOUNTING POSITION

6. Fit the turn signal indicators supplied into the bull bar. NOTE: Refer to the instructions supplied with the turn signal indicator kit.
7. Attach the number plate to the front of the bull bar using the two M6 x 16mm bolts, flat washers and flange nuts supplied. (The winch bull bar requires the fitment of a bracket (supplied) to raise the number plate clear of the roller fairlead.)
8. Fit the rubber buffers supplied to the bull bar using the M8 flange nuts supplied in the fitting kit.

9. WINCH BARS: FITTING THE 8000 OR 9,000lb WINCH

- A. Remove the cover of the control box, disconnect the two heavy short black cables and the heavy short red cable and replace with the corresponding cables supplied. Replace the cover; fit the control box to the control box bracket using the two 1/4" nuts, washers and spring washers. Then bolt the control box bracket to the bull bar using the M8 x 20mm bolts, flat washers and flange nuts supplied. Refer to Diagram 3.

DIAGRAM 3



- B. To place the winch clutch handle in a convenient location, the winch gearbox must be rotated 1 hole space, 72 degrees, in a clockwise direction when viewed from the gearbox end. Place the winch on its end and remove all gearbox bolts. Gently raise the gearbox just enough to rotate it. Do not completely remove the gearbox and avoid damaging the gasket. Refit all bolts and tighten. Refer to Diagram 4A.

DIAGRAM 4A

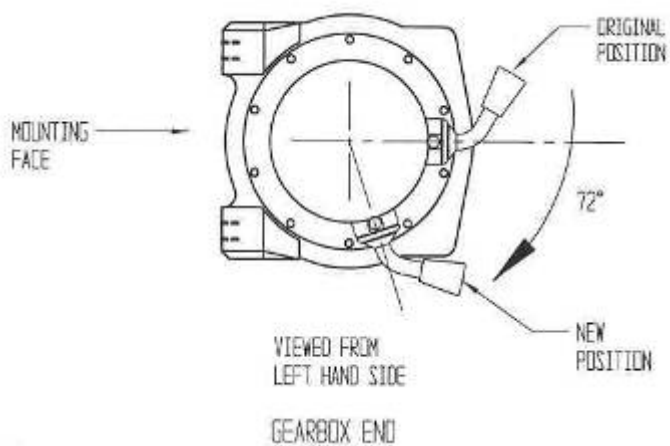
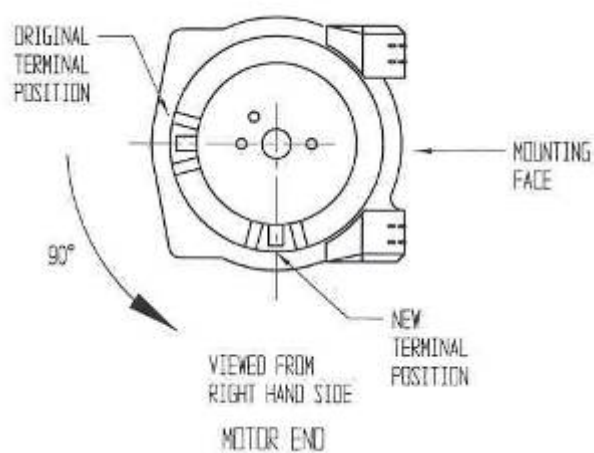
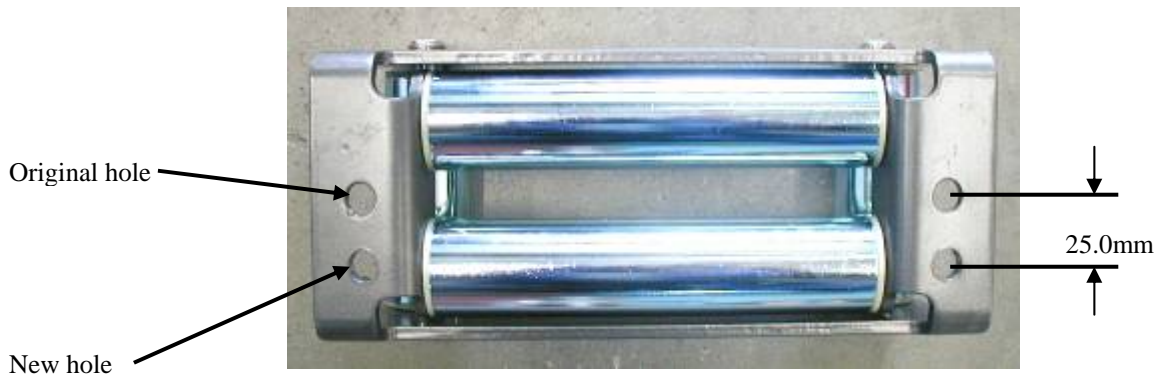


DIAGRAM 4B



- C. To place the winch motor in the correct location, the winch motor must be rotated 90 degrees, in an anti clockwise direction when viewed from the motor end. Place the winch on its end and remove the 2 motor retaining bolts. Gently raise the motor just enough to rotate it. Do not completely remove the motor and avoid damaging the gasket. Refit all bolts and tighten. Refer to Diagram 4B.
- D. Drill the roller fairlead as shown in Diagram 5 then assemble into the front of the bull bar. Lift the winch into place and using the 3/8" washers supplied in the fitting kit and the bolts and spring washers supplied with the winch, bolt securely into position. NOTE: The gearbox is on the LHS. The winch cable spools from the bottom.

DIAGRAM 5



BULL BAR TO VEHICLE FITMENT:

9. Lift the bull bar onto the impact absorbers with the braces on the outside of the bull bar and loosely bolt in place using the M10 x 30mm bolts, washers and spring washers. (Refer to Diagram 6).

DIAGRAM 6



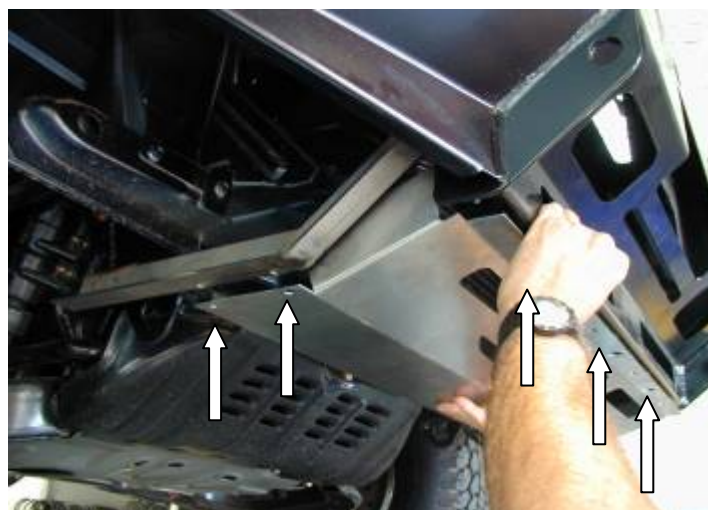
Two bolts on the outside and one on the inside.

Brace is bolted on the outside of the mount.

10. Adjust the bull bar until a uniform gap is achieved to the mudguards and grill. Securely tighten all bolts.

11. Fit the stone tray to the vehicle using seven M8 x20mm bolts, M8 flat washers and M8 flange nuts. (Refer to diagram 7)

Diagram 7



Two bolts in either side

Three bolts along the front

12. Connect the bull bar turn signal indicator looms to the existing turn signal indicator loom with the Scotchloks supplied and test to ensure they function correctly.
13. Using a pair of tin snips, trim back the plastic inner guard and metal panel that sit below the line of the bull bar. (Refer to diagram 8)

DIAGRAM 8



13. **WINCH BARS ONLY:** Wire the winch in accordance with the Warn fitting instructions, taking care not to route the cables over sharp edges, hot surfaces or near moving objects. Secure the cables to the vehicle using the cable ties supplied.