



FITTING INSTRUCTIONS

Part Number: 4446100
Product Description: ARB SIDE PROTECTION RAIL AND STEP
Suited to vehicle/s: MITSUBISHI TRITON DUAL CAB 2006 ON

WARNING

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 component, contact your nearest authorised ARB stockist. Repairs or modifications 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 product.
- ◆ 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 protection rail and step, you have bought a product that is one of the most sought after 4WD products in the world. Your product is a properly engineered, reliable, quality accessory that represents excellent value. To keep your product 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 authorised ARB Stockist.

WARNING

ONLY USE JACK UNDER SUPPORT TUBES. PLACING JACK IN THE INCORRECT LOCATION COULD CAUSE SIDE STEP TO DEFORM.

FITTING REQUIREMENTS

TOOLS REQUIRED FOR FITMENT OF PRODUCT:

10, 12, 13 & 18mm SOCKETS AND RING SPANNERS
10, 12 & 13mm OPEN ENDED SPANNER
DRILL AND 8.5mm DRILL BIT
BLACK SILICONE SEALANT
TAPE MEASURE OR 300mm RULER

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.

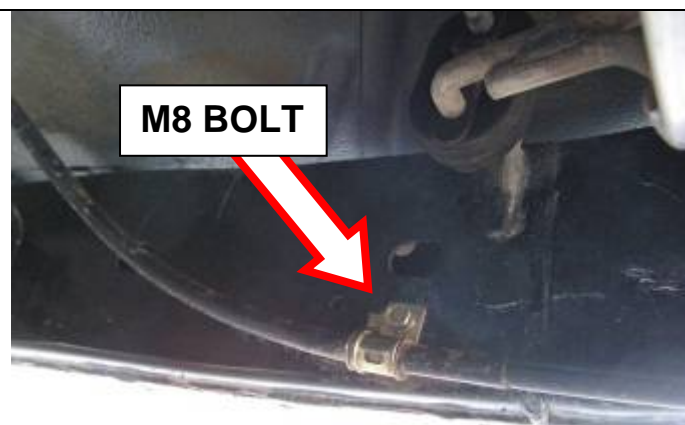
FASTENER TORQUE SETTINGS:

SIZE	Torque Nm	Torque lbft
M6	9Nm	4lbft
M8	22Nm	16lbft
M10	44Nm	32lbft
M12	77Nm	57lbft

PARTS LISTING – FITTING KIT # 6172184

APPLICATION	PART No	QTY	DESCRIPTION
MOUNT BRACKETS TO CHASSIS	6151392	6	U-BOLT M12 x1.75 x 154 X 100
	4581064	12	WASHER SPRING M12
	4581049	12	WASHER FLAT M12
	6151189	12	NUT M12 x 1.75
	6322407	2	FOAM TAPE 200 x 40 x 5
FRONT RAIL TO MAIN STEP	6151022	4	BOLT M8 x 1.25 x 25 MM
	4581044	4	WASHER FLAT M8
	6151132	4	NUT FLANGED M8 x 1.25
FRONT RAIL TO BULL BAR (Supplied with front rail only)	6582433	4	S/RAIL CLAMP
	6151085	6	BOLT M8 x 70mm DOME HEAD BLACK
	6151212	6	NUT M8 NYLOC BLACK
	4581045	6	WASHER FLAT M8 BLACK
	271 BLK	4	SIDE/RAIL RUBBER PLUG
	215637	2	DECAL ARB FRONT RAILS
CHECKER TOP TO STEP	3199903R	1	PLATE CHECKER TOP RHS
	3199903L	1	PLATE CHECKER TOP LHS
	6151200	16	BOLT M6 DOMED
	4581084	16	WASHER PANEL M6
	6151128	16	NUT FLANGE M6

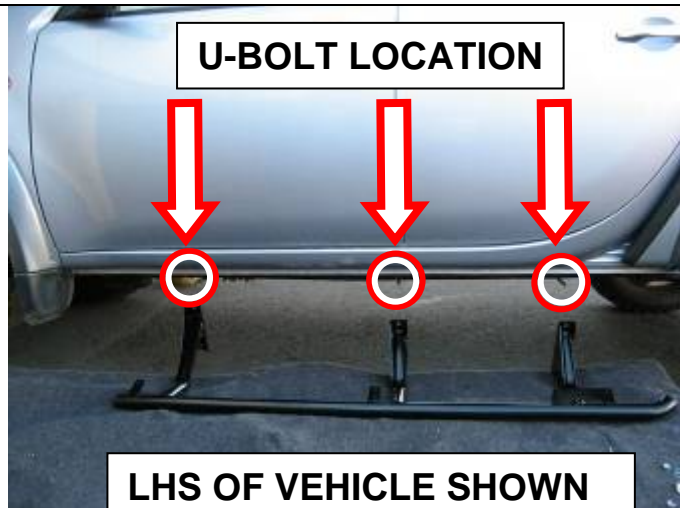
VEHICLE PREPARATION



LHS OF VEHICLE SHOWN

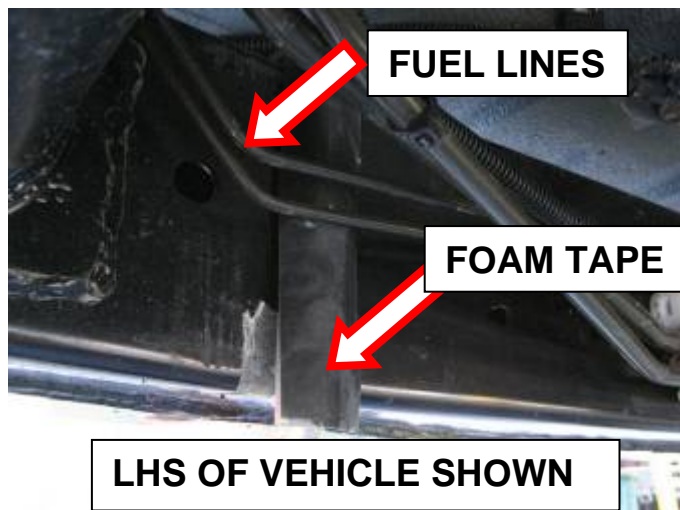
1. Remove factory side steps if fitted. Refit bolts into captive nuts in chassis.
2. Loosen the M8 bolt on the inside of each chassis rail that is used to retain the hand brake cable.

FITTING SIDE STEPS



3. Fit a rubber plug to the rear of the side step.
4. Fit 3 U-bolts over the chassis rails at the locations shown. Where fuel or brake lines are run along the inside of the chassis rails, gently slide the U-Bolt between these lines and the chassis.

WARNING: DO NOT CLAMP FUEL OR BRAKE LINES BETWEEN THE CHASSIS RAILS AND THE U-BOLTS.



5. Place a piece of the foam tape between the U-bolts and the brake lines. This tape is provided in the fitting kit.

NOTE: TAPE MUST BE PLACED ON ALL U-BOLTS THAT COULD CONTACT FUEL OR BREAK LINES



6. With the help of a second person, carefully lift the side step into position.
7. Loosely attach the side step to the chassis using M12 x 1.75 nuts, flat washers and the 3 U-bolts installed in step 4.
8. Align the side step so that it runs parallel to the vehicle sills in both the horizontal and vertical planes. Leave all fasteners finger tight at this stage.

NOTE: Ensure there is a minimum 20mm clearance between the side step brackets and the vehicle body.

9. Repeat steps 1-8 on the other side.

FITTING FRONT RAIL



10. Fit a rubber plug to the front of each front rail.
11. Slide the front rail onto the step. Join them together using two M8 x 25mm bolts, M8 flat washers and M8 flange nuts. Do not tighten.
12. Fit the front rail to the bull bar using the front rail clamps provided. Align the rail so that it runs parallel to bull bar wing.

NOTE: Ensure there is a minimum 20mm clearance between the front rail and the body.



13. Check the clearance between the front rails and the front vehicle doors by opening the doors to their full extent. **There must be a minimum clearance between the doors and the rail of 25mm.**

If required, slide the step forward or backwards to achieve correct clearance and alignment.

14. With the side steps correctly aligned, tighten all side step fasteners to the recommended torque.
15. Tighten the two M8 bolts loosened in step 2.

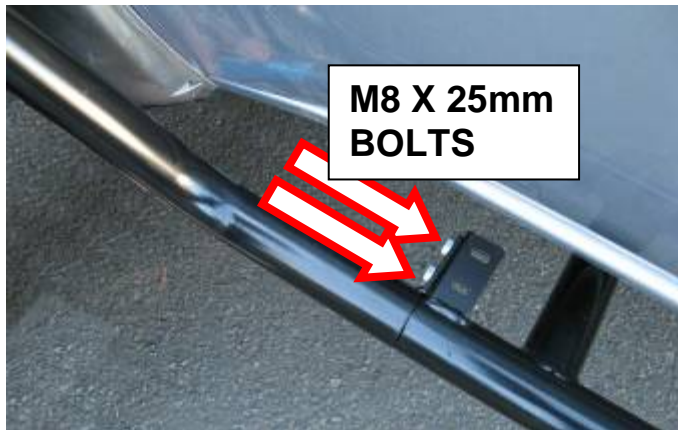


16. When happy with the alignment of the front rail, hold clamps in place with a panel clamp or similar.
17. Using the holes in the clamp as a guide, drill 8.5mm holes through the front rails and bull bar outer frame. Bolt in place with M8 x 70mm dome head bolts, black M8 flat washers and black M8 nyloc nuts.

NOTE: Place a block of timber between the front rail and the vehicle to prevent damage when drilling holes.



FITTING FRONT RAIL



18. Tighten the M8 bolts installed in step 11 to the recommended torque.

FITTING CHECKER TOP



19. Apply a bead of silicone along the length of the side step where the checker top will contact. This helps to eliminate vibration.

20. Position the checker top on the step, aligning the bolt holes with the corresponding holes in the side step.

21. Starting at the front of the step, secure the checker top with M6 dome head bolts, M6 panel washers and M6 flange nuts.

FITTING ARB STICKERS

22. Fit one ARB sticker to each protection rail at the position shown.

