



FITTING INSTRUCTIONS

Part Number: **4414400 Side Step** Fitting Kit: **6171943**
Product Side Step with checker top to suit either fitting of front side rails or
Description: stand alone with tube end returns.
Suited to **TOYOTA HILUX 4X4 DUAL CAB 2005 on**
vehicle/s:

WARNING

REGARDING VEHICLES EQUIPPED WITH SIDE AIR CURTAINS & SIDE AIRBAGS:

When installed in accordance with these instructions, the Side Step and Side Rail does not affect operation of the Side Air Curtains and Side Airbags.

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 Side Step and Side Rail component, contact you're 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

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GENERAL CARE AND MAINTENANCE

By choosing an ARB Side Step and Side Rail, you have bought a product that is one of the most sought after 4WD products in the world. Your step and rail is a properly engineered, reliable, quality accessory that represents excellent value. To keep your step and rail in original condition it is important to care and maintain it following these recommendations:

- Prior to exposure to the weather your step and rail 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 step and rail and surrounding components is carried out, making sure that all bolts are torqued to the correct specification. Also check that nearby wiring and plumbing are free of damage. Replace any components as necessary. This service can be performed by your local authorized ARB Stockist.

FITTING REQUIREMENTS

REQUIRED TOOLS FOR FITMENT OF PRODUCT:

METRIC SOCKET SET	METRIC RING AND OPEN ENDED SPANNER SET
ELECTRIC DRILL	8.5 DRILL BITS
TOUCH UP PAINT	BLACK SILICONE
'G' OR PIPE CLAMP	

HAVE AVAILABLE THESE SAFETY ITEMS WHEN FITTING PRODUCT:

Protective eyewear		Hearing protection	
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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	7lbft
M8	22Nm	16lbft
M10	44Nm	32lbft
M12	77Nm	57lbft

APPLICATION	PART No	QTY	DESCRIPTION
SIDE STEP TO CHASSIS	3756731L	1	Centre Clamp Bracket LHS
	3756731R	1	Centre Clamp Bracket RHS
	5811033	2	Sleeve Centre Support
	6151337	4	Bolt M10 x 120 x 1.5p
	6151204	2	Bolt M10 x 35 x 1.5p
	6151105	2	Bolt ½" x 4 ½" UNC
	6151021	4	Bolt M8 x 20mm
	6151026	4	Nut M10 x 1.5p
	6151321	2	Flange Nut M10 x 1.5p
	6151132	4	Flange Nut M8
	4581007	2	Flat Washer ½" x 4mm
	4581040	10	Flat Washer M10
	4581044	4	Flat Washer M8
	4581050	2	Spring Washer ½"
	4581048	4	Spring Washer M10
FRONT RAIL OR SIDE RAIL RETURN TO STEP	3756753R	1	Bolt On Checker Plate Bracket
	3756753L	1	Bolt On Checker Plate Bracket
	6151022	4	Bolt M8 x 25mm
	6151132	4	Flange Nut M8
	4581044	4	Flat Washer M8
	271BLK	4	Side Rail Rubber Plug
FRONT RAIL TO BULL BAR (supplied only with front rails)	6582433	4	Side Rail Clamp
	6151085	6	Bolt M8 x 70mm Dome Head Black
	6151212	6	Nut M8 Nyloc Black
	4581045	6	Flat Washer M8 Black
CHECKER TOP TO STEP	3193744L	1	Checker Top Plate Dual Cab
	3193744R	1	Checker Top Plate Dual Cab
	6151200	16	Coach Bolt M6 x 20mm
	4581084	16	Flat Panel Washer M6
	6151128	16	Flange Nut M6
	215637	2	Decal ARB Side Rails

FITMENT TO VEHICLE



1. Remove the original equipment steps from the vehicle.
2. Remove the M8 bolt that retains the handbrake cable bracket. Retain the bolt for use later.



3. Working on one side at a time, support the gearbox cross member and remove the two outer bolts. Discard the bolts.



4. Fit rubber end plugs to the side steps.
5. With the help of another person, carefully lift the step section into position and align the front mounting bracket with the gearbox cross member.
6. Loosely attach the side step to the cross member using two M10 x 120mm bolts, four M10 flat washers, two M10 spring washes and two M10 nuts.



7. Loosely attach the rear mount to the chassis using a M10 x 35mm bolt inserted from the outside, a M10 flat washer and a M10 flange nut.
8. Re-install the handbrake cable bracket using the original bolt removed in step 1. Do not tighten.



9. Attach the centre mount to the chassis by first placing the centre clamp bracket on the inside of the chassis. (note the welded on nut fits in the hole on the inside of the chassis)



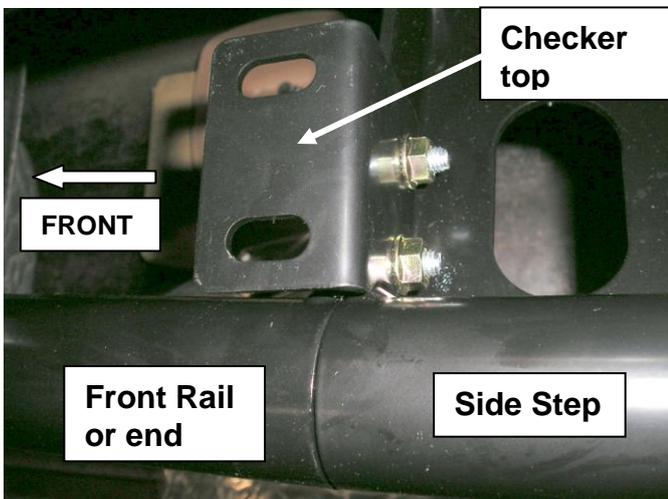
10. Using a 1/2" x 4 1/2" bolt, 1/2" spring and flat washer and a sleeve, join the centre mount to the clamp bracket.



11. Using two M8 x 20mm bolts, M8 flat washers and M8 flange nuts, secure the clamp to the centre support tube.



12. Align the side rails to the vehicle and tighten all the bolts.



13. Fit rubber plugs to the front rails or end caps.

14. Slide the front rail or side rail end cap into the step.

15. Fit the checker top bracket to the inside of the front mount with the flange towards the front of the vehicle.

16. Join the three together using two M8 x 25mm bolts, M8 flat washers and M8 flange nuts. Do not tighten.

FOR FITMENT OF FRONT RAIL

LHS



17. Fix the front rail to the bull bar using the side rail clamps provided. When happy with the alignment of the front rail, hold in place with a panel clamp or similar.

18. With an 8.5mm drill bit, using the holes in the clamp as a guide, drill holes through the side 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.

19. Tighten the bolts joining the front rail to the step.

FOR FITMENT OF SIDE RAIL END CAP

RHS



20. Align the end cap so that it sits level with the side step. Tighten the bolts joining the end cap to the step.



21. Run a bead of silicon along the length of the side step where the checker top will contact. This helps eliminate vibration.

22. Attach the checker top to the side rails using the M6 coach bolts, M6 panel washers and M6 flange nuts.

FITTED PRODUCT

