



FITTING INSTRUCTIONS

Part Number: **3714010**

Description: **TOYOTA HILUX DUAL CAB UTILITY 2005 ONWARDS**

WARNING

- ◆ This product must be installed exactly as per these instructions using only the hardware supplied.
- ◆ In the event of damage, contact your nearest authorised ARB stockist.
- ◆ Do not use this product for any vehicle make or model, other than those specified by ARB.
- ◆ Do not remove labels.
- ◆ 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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SAFETY

NOTE THE FOLLOWING:

Your ARB Roof Rack has a maximum carrying capacity of 75kg. This load should not be exceeded and all loads must be tied down securely. If you have a cage with mesh fitted, secure the load to the main framing of the cage as well as the mesh.

It is important to follow the listed usage instructions;

- ◆ The vehicle owner's manual should be consulted prior to loading the roof rack as the manufacturer's recommended maximum load for the vehicle's roof may be less than the maximum load specified for the roof rack.
- ◆ Load must be evenly distributed and adequately secured.
- ◆ Any weight carried on the roof of the vehicle will adversely affect its handling, particularly in cornering or in a cross-wind, the vehicle should therefore be driven with increased discretion.
- ◆ Regularly check the tightness of the securing clamps and the security of the load.
- ◆ Attention is directed to statutory requirements regarding maximum permissible projections from vehicles.

All bolts should be checked prior to touring to ensure the rack is fastened correctly

FITTING REQUIREMENTS

REQUIRED TOOLS FOR FITMENT OF PRODUCT:

Metric socket set	Non acidic silicon (neutral cure)
Blade and Phillips head screw drivers	Drill, 6.5mm drill bit
Metric Allen key set up to 6mm	Scissors or sharp knife

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.

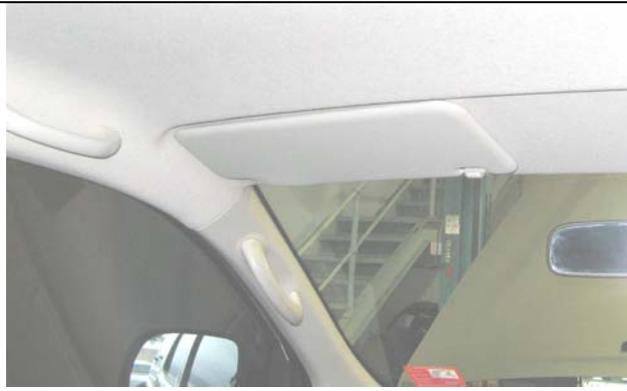
FASTENER TORQUE SETTINGS:

SIZE	Torque Nm	Torque lbft
M6	3.5Nm	2.5lbft
M8	8.5Nm	6.3lbft
M10	17Nm	12lbft
M12	30Nm	22lbft

PARTS LISTING			
APPLICATION.	PART NO.	QTY	DESCRIPTION
MOUNTING FEET TO ROOF	6317629	4	Dual cab roof rack mounting block
	6151394	8	Screw button head M6 x 30mm S/S
	5846272	4	Roof rack rubber packer
	3193759	4	Clamp plate dual cab roof rack
	6151046	8	Flat washer M6
	6151162	8	Nyloc nut M6
	6781408	2	Tape double sided
ROOF RACK TO MOUNTING FEET	3756974R	1	Roof rack mount rail Hilux
	3756974L	1	Roof rack mount rail Hilux
	3193522	4	Roof rack bolt plate
	6151263	8	Bolt M8 x 20 socket head S/S
	6151295	4	Bolt M8 x 20 button head S/S
	4581081	12	Washer flat M8 S/S
	4581094	12	Washer spring M8 S/S

Fitting Kit No. 6172193

HEADLINING REMOVAL



1. Remove the sun visors. Remove the two grab handles front the front pillars and the grab handle front the ceiling on the passenger side of the vehicle.



2. Remove the plugs located around the periphery of the ceiling. They are located at the front at the driver's side, the rear of the ceiling at the right and left hand sides of the vehicle and above the rear windscreen.



3. Remove the interior light.



4. Pull down the door seals so the interior trim can be removed.

FITTING PROCEDURE



5. Remove the front and rear top seatbelt mounts.



6. Remove the plastic trim from the front, middle and rear pillars on each side of the vehicle. They can simply be pulled away to be released from their mounting clips.

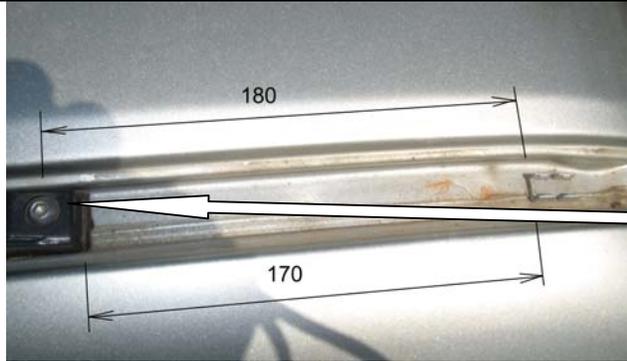


7. Carefully lower the headlining as shown in the adjacent diagram. It does not need to be totally removed.

FITTING PROCEDURE



8. Remove the exterior roof trim from both sides of the vehicle. Take care not to bend the trim, as it will be reused.



9. Position the rear mounting blocks as shown. Use a steel ruler to locate the rear face of the rear mounting block 170mm from the roof trim clip as shown.

10. Once satisfied that the block is accurately positioned, use the block as a template to drill its rear-mounting hole through the roof of the vehicle with a 6.5mm drill bit.

11. Next, fasten the block to the roof, using the newly drill hole, with a M6 x 30 pan head bolt and nyloc nut. Proceed to drill the second mounting hole for the block, again using each block as a template for the drill. Undo the M6 bolt and remove the roof-rack mounting block.

12. Repeat steps 9 – 11 for the front mounting blocks, except this time its rear is face is 1070mm from the roof trim clip.



13. Remove all burrs and sharp edges from the newly drilled holes.

14. Paint the holes with rust prevention paint.

FITTING PROCEDURE



15. Cut the rubber packers to suit the mount blocks.
16. Apply a small amount of silicon on both sides of the rubber packer, only at the holes. Also apply a small amount of silicon to the underside of the screw heads of the M6 x 30 button head screws.

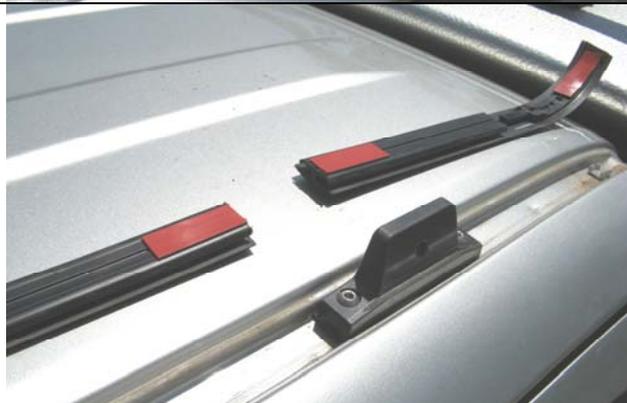


17. Place the rubber packer on the vehicle roof first and then the roof rack mounting block. Feed the M6 x 30 button head bolts through the vehicle roof.
18. On the underside of the roof fit the clamping plate, flat washers and nyloc nuts and tighten the bolts securely.

Use the same hardware for all four rack-mounting blocks.



19. Cut the roof trim that was removed earlier at step 8 to fit neatly around the roof rack mounting blocks. There will be six pieces in total for both sides of the roof.



20. The fitting kit includes two pieces of double-sided tape to be cut into equal lengths of roughly 50mm lengths (12 pieces). Apply tape to each end of the roof trim pieces and stick the roof trim back in place.

FITTING PROCEDURE



21. Fasten the mounting rails to the mounting blocks with M8 x 20mm button head screws, spring washers and flat washers and tighten.

NOTE: Take care to ensure these rails are fit correctly. On this vehicle, the mount rail has a different shape at the front as compared to the rear, as shown on the photo below. Also, the front of the rail is a little deeper due to the shape of the roof.



22. With the assistance of another person, lift the roof rack onto the vehicle and position evenly.



23. Fix the roof rack in place using eight M8 x 20mm socket head cap screws, M8 spring washers, M8 flat washers and four bolt plates. Tighten all bolts.
24. Carefully re-install the interior and all the fittings in the reverse order to which they were removed.