



FITTING INSTRUCTIONS

Part Number: **17923040**

Product **BASERACK CABRACK MNT & DFLCTR**

Description:

Suited to **MY24 TACOMA**
vehicle/s:

WARNING

REGARDING VEHICLES EQUIPPED WITH SRS AIRBAG:

When installed in accordance with these instructions, the cab rack does not affect operation of the SRS curtain 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 cab rack 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.
- ◆ 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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SAFETY

NET PAYLOAD FOR YOUR BASE RACK

The net payload for your BASE RACK is calculated by subtracting the weight of the BASE RACK and the vehicle mounting kit from the vehicle's roof capacity. The table below gives the BASE RACK net payload for fitting kit 17923040, using the vehicles maximum vehicle roof capacity. The vehicle's roof load capacity may vary between models and driving conditions. Refer to vehicle owner's manual for model and condition specific roof load capacities.

Kit	BASE RACK (kg/lb)	Vehicle roof capacity* (kg/lb)	BASE RACK + mount kit (kg/lb)	BASE RACK net payload (kg/lb)
17923040	11.9 / 26.2	100 / 220	28 / 62	72 / 160

* Maximum roof load capacity. Refer to vehicle owner's manual for model and condition specific roof load capacities.

It is important to follow these safety instructions;

- ◆ Maximum load per BASE RACK beam is 25kg.
- ◆ 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 tray is fastened correctly

GENERAL CARE AND MAINTENANCE

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

- As part of any pre-trip preparation, or on an annual basis, it is recommended that a thorough visual inspection of the BASE RACK is carried out, making sure that all bolts and other components are torqued to the correct specification. Replace any components as necessary.



Please contact local Authorised ARB Stockist if you would like to have this service carried out on your behalf.

FITTING REQUIREMENTS

REQUIRED TOOLS FOR FITMENT OF PRODUCT:

Basic tool kit	Metric Allen key set
Torque wrench	Metric Torx key set

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.



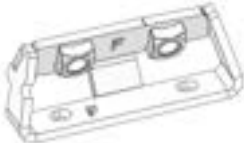
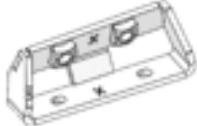


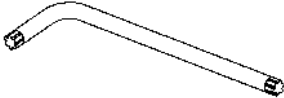








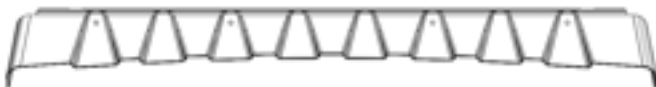
FASTENER TORQUE SETTINGS:

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

PARTS LISTING - BASE RACK fitting kit

PART NUMBER	SUITS BASE RACK	QTY	DIAGRAM
17923040	1770180	1	

PART NO.	PICTURE	QTY	DESCRIPTION
3195184		12	M8 STUD PLATE
6151921		20	M8 X 20 STUD - BLACK
6151212		20	M8 X 1.25 NYLOC NUT - BLACK

PART NO.	PICTURE	QTY	DESCRIPTION
37500284L		1	BLADE SUIT MY24 TACOMA LH
37500284R		1	BLADE SUIT MY24 TACOMA RH
4655605L/R		2	FOOT FRONT LH/RH SUIT TACOMA
4655606L/R		2	FOOT REAR LH/RH SUIT TACOMA
6151729		8	BOLT HXHD FL M6x1.0x20
668PB028		1	TAPE-RL- 24x6.4 SBR7010
6151934		1	TORX ALLEN KEY
6151924		8	M8 X 1.25 X20 BUTTON HEAD TORX – BLK
4581085		28	M8 WASHER FLAT – BLACK
4584425		8	WASHER M6x14x1.2 SS BONDED
4584329		6	WASHER M6
6151459		6	M6x16 BHDS
6151475		4	NUT U M6x1
6151300		2	NUT M6 CAGED
3752747		4	BRKT AIR DEF RT MOUNT
37500285		1	AIR DEF SUITS 17923040

FITTING PROCEDURE



1. Remove 2x LH and 2x RH plastic covers shown from each gutter.
2. Locate the 8 (4 per side) captive nuts and using a safety knife, expose the holes.



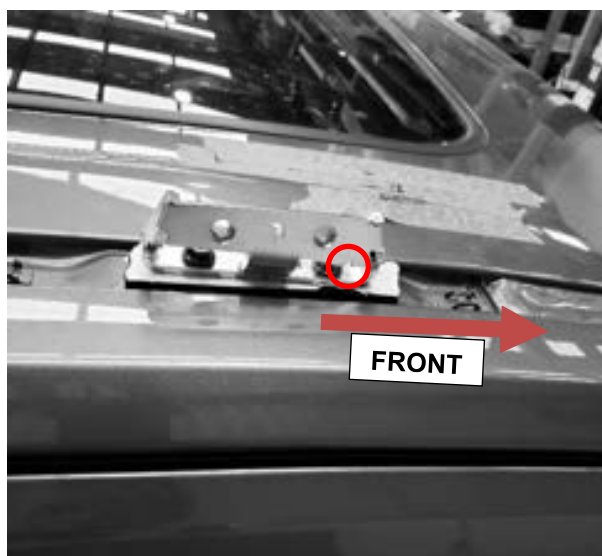
3. Cut foam roll in to pieces to suit the mount feet and stick to the feet.

2x 110mm (front)

2x 110mm (rear)

Use a $\varnothing 5$ mm drill bit to make holes for the mounting bolts.

Note: Mounts with single notches suit the front, and mounts with double notches suit the rear



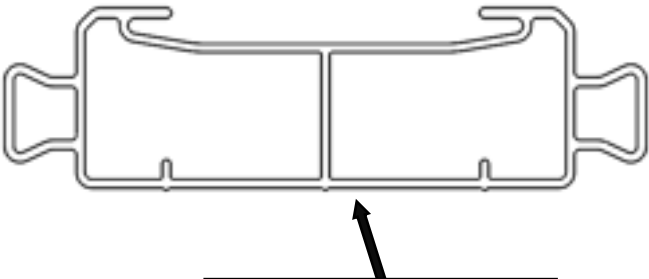
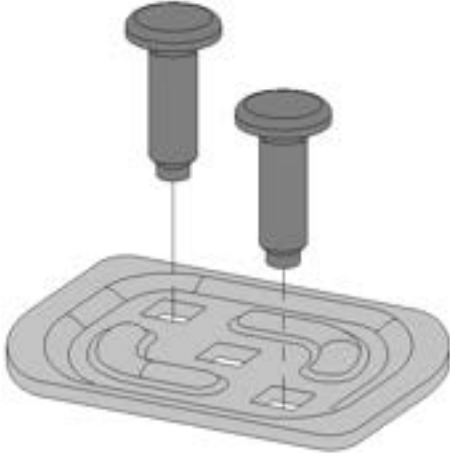

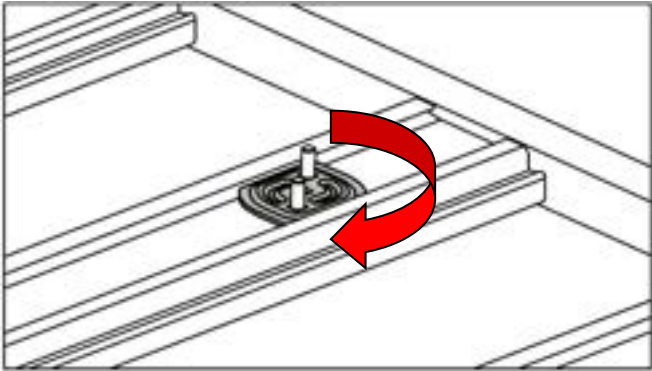
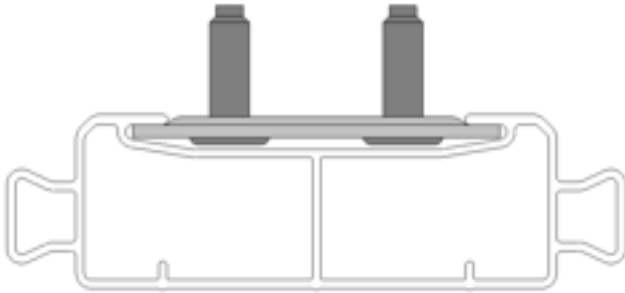
4. Position the mounting brackets with notches facing towards the front of the vehicle as shown. Fasten each mount into the captive nuts using two M6x20 flange bolts and M6 bonded washers.

NOTE: Take care when threading bolts through the foam tape and ensure tape remains adhered to the base of the mount.

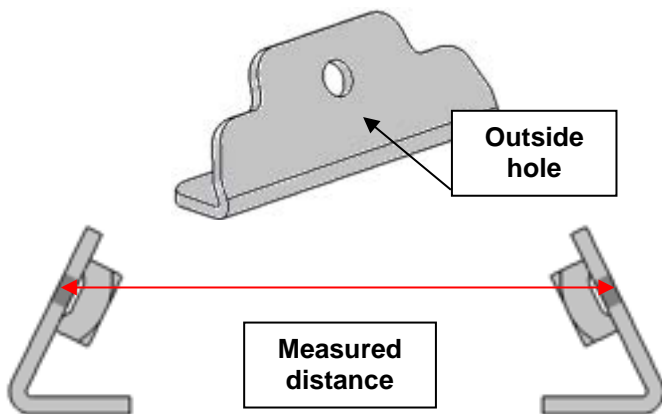
5. Tighten fasteners to specified torque



M6 - 9 Nm

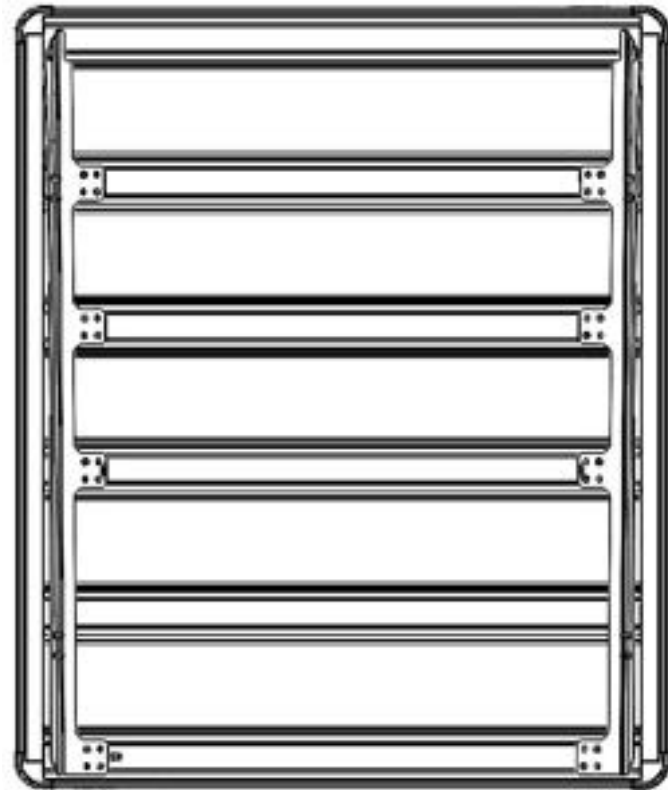
 <p>Top face of BASE RACK</p>	<p>6. Place the BASE RACKS face down on a clean flat surface. Provide protection to the top face of BASE RACK to avoid marking of surfaces</p>
	<p>7. Insert two M8 x 25 Studs into 8 of the Stud Plates as shown.</p>
	<p>8. Check the position of the mounting plates (circled in image) on the blade brackets in relation to the channels on the BASE RACKS.</p>
	<p>9. Insert the previously assembled stud plates into the correct BASE RACK channels. Rotate the plates 90 degrees</p> 

GENERIC IMAGE

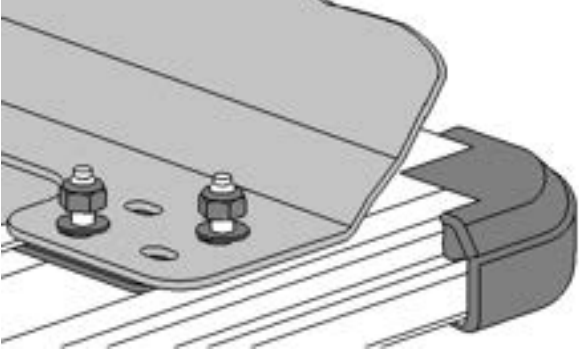


10. Using a tape measure, measure across the vehicle between the middle of the hole on the outside face of the front and rear set of mounting brackets. Make a note of each measurement.

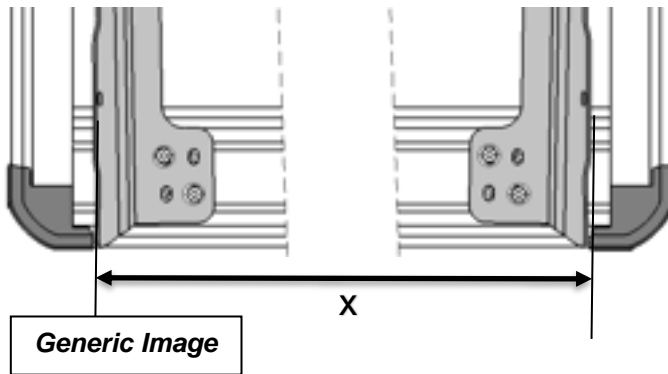
Position	Distance
Front	
Rear	



11. Flip the blade brackets over so they are upside down and carefully place on top of the BASE RACK. When doing so ensure the coach bolts in the stud plates go through the slots. Then secure the blade brackets to the BASE RACK using M8 flat washers and nyloc nuts.



Do not fully tighten, allowing each blade to move within the BASE RACK stud plate channel.



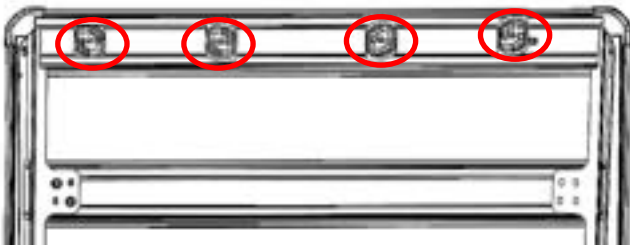
12. Using the previously recorded measurements, adjust the location of the blade bracket on the BASE RACK.

Ensure the distance between the blade bracket and the edge of the BASE RACK is the same on both sides. Fully tighten all M8 Nyloc nuts

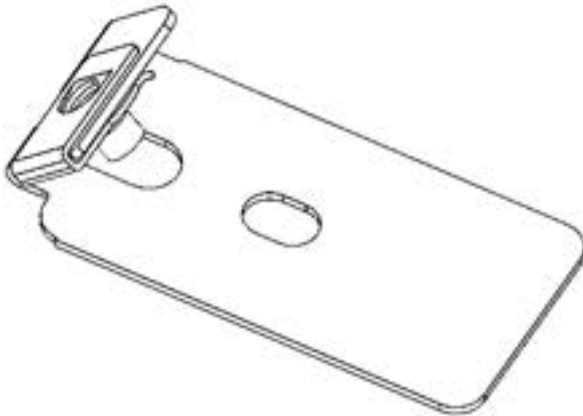
 Torque M8 to 22Nm



13. Insert an M8 x 25 Stud into 4 of the Stud Plates as shown.



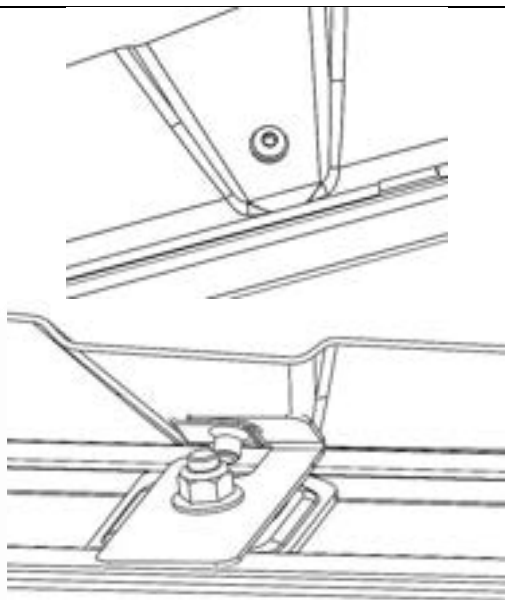
14. Insert the stud plates into the front BASE RACK channel. Rotate the plates 90 degrees as before.



15. Fit M6 U-nuts to the 4x deflector brackets as shown. The thread needs to be on the inside.



16. Fit 1x cage nut to the inside of each blade.



17. Loosely fit the deflector to the mounts and brackets as shown. Use an M8 nyloc nut and washer to hold the deflector brackets to the stud plates. Use M6 screws and washers to hold the deflector to the brackets.

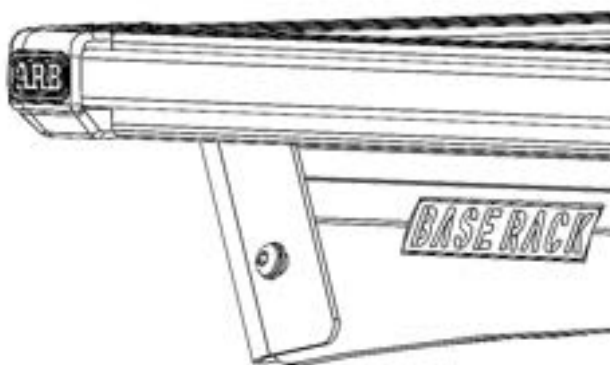
Tighten to specified torque



M6 - 9Nm



M8 - 22Nm

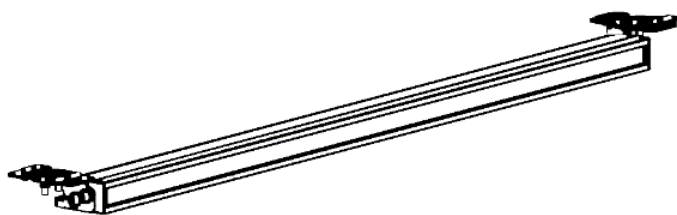


18. Fasten deflector at each end to the outside of the blades using M6 BHD screw and M6 flat washer.

Tighten to specified torque



M6 - 9Nm

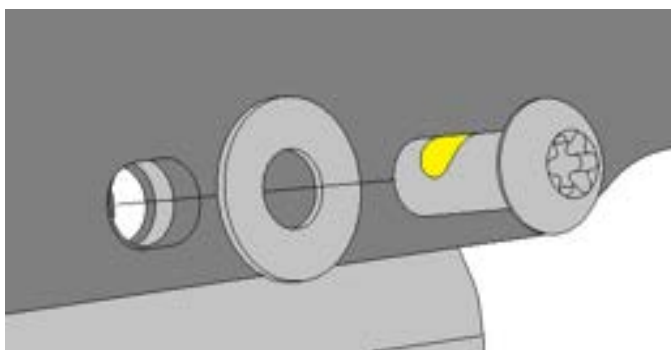


19. If fitting a BASE RACK lightbar it should be fitted to the BASE RACK at this point. Refer to instructions provided with the BASE RACK for fitting details.



20. With assistance, carefully place the BASE RACK on the vehicle so the inside of the blade brackets rests on the outside of the mounting brackets. The entire BASE RACK assembly should be clear of the vehicle roof. All mounting holes/slots should align closely.

Note: Place protective material on roof to reduce the risk of accidental damage to vehicle when mounting the BASE RACK to the vehicle.



21. Use 4x M8 Button head Torx screws and M8 Black washers to secure the BASE RACK to the front and rear roof mounting brackets.

Tighten to specified torque.



M8 - 22Nm

THE BASE RACK IS NOW FITTED