

BASE RACK

FITTING INSTRUCTION

Part Number:
17948060

Suits BASE RACK:
1770060 and 1770070

Product Description: **BASE RACK fitting kit suits ISUZU DMAX 08/2020on
and MAZDA BT 50 08/2020on**

WARNING

NOTE THE FOLLOWING:

- ◆ Vehicle accessories which are not properly fitted can be dangerous.
- ◆ Please read these instructions carefully prior to fitting, and comply with the instructions at all times
- ◆ If in any doubt please contact your nearest ARB state office or the stockist from whom it was purchased.
- ◆ 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
- ◆ Check bolt torque after 500km & at regular service intervals

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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 17948060, 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	Vehicle roof capacity* (kg/lb)	BASE RACK + mount kit (kg/lb)	BASE RACK net payload (kg/lb)
17948060	1770060	100 / 220	20 / 44	80 / 176
17948060	1770070	100 / 220	21 / 46	79 / 174

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

It is important to follow the listed usage 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 BASE RACK 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:

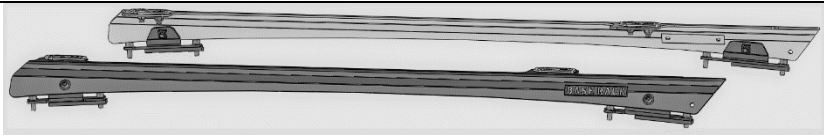
10mm spanner x 2	13mm spanner x 1
Allen key set	Torx key set
Pen/pencil	Socket set
Tape measure	Safety knife

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:

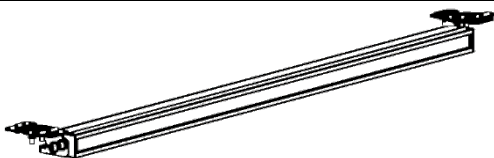
SIZE	Torque Nm	Torque lbft
M6	9Nm	7lbft
M8	22Nm	16lbft

PARTS LISTING - BASE RACK fitting kit

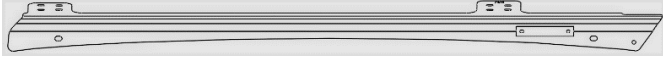
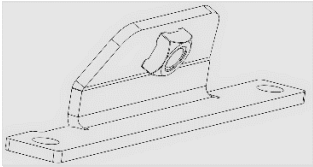
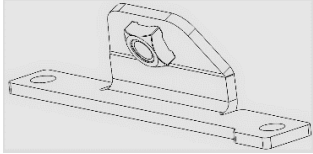
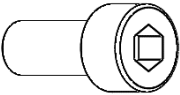
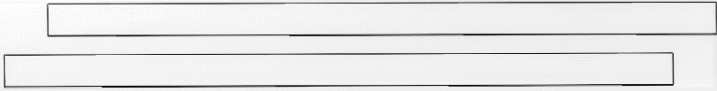
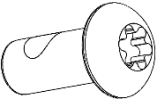
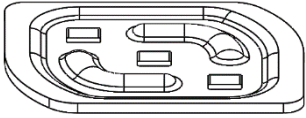
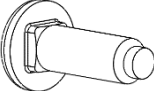
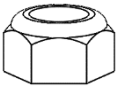
PART NUMBER	SUITS BASE RACK	QTY	DIAGRAM
17948060	1770060 1770070	1	

Air Deflector and Base Rack Light Bar

An air deflector or BASE RACK Light Bar should be fitted beneath the front edge of the BASE RACK. Refer to the table below for the correct part number. If fitting the light bar in front of the BASE RACK, an Air Deflector should also be fitted. Refer to the instructions provided with these products for further details.

		AIR DELECTOR FITTING KIT	BASE RACK FITTING KIT
AIR DEFLECTOR		17948070	17948060
BASE RACK LIGHT BAR		1790500	17948060

PARTS LISTING 17962010

PART NO.	PICTURE	QTY	DESCRIPTION
APPLICATION – MOUNTING BRACKETS TO ROOF			
3750740L		1	BRKT BLADE SUITS DMAX LH
3750740R		1	BRKT BLADE SUITS DMAX RH
4655041L&R		2	DMAX BR FRONT FOOT WELDMENT
4655040L&R		2	DMAX BR REAR FOOT WELDMENT
6151325		8	SCREW SCHD M8x20 PC12.9 BZP
5848500		4	RUBBER PACKER R'RACK
6781408		2	TAPE DOUBLE SIDED 0.8X15X300
6151934		1	TORX ALLEN KEY
6151924		4	M8 X 1.25 X20 BUTTON HEAD TORX - BLK
4581085		12	M8 WASHER FLAT - BLACK
APPLICATION – BASE RACK TO MOUNTING BRACKETS			
3195184		4	M8 STUD PLATE
6151921		8	M8 X 20 STUD - BLACK
6151212		8	M8 X 1.25 NYLOC NUT - BLACK
4581085		8	M8 WASHER FLAT - BLACK

**BEFORE STARTING, READ ALL STEPS OF THE INSTRUCTIONS
CAREFULLY AND CHECK ALL PARTS**

STEP 1: REMOVAL OF CHANNEL TRIMS



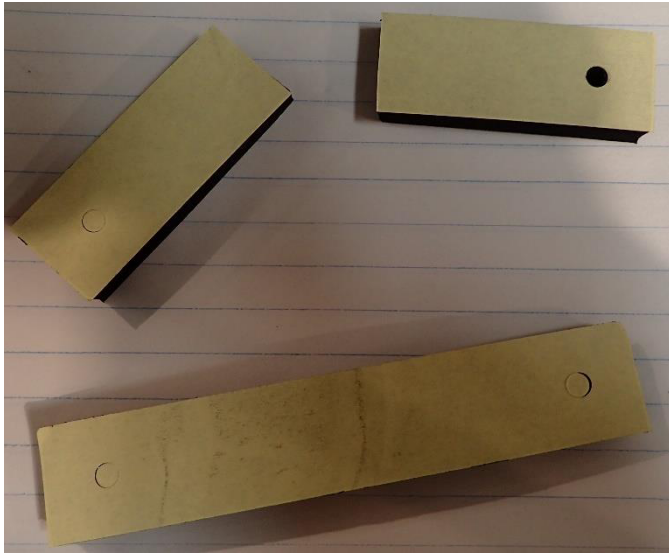
1. Remove channel trims from both sides, do not remove the rear most pieces. Caution must be taken to not bend the channel trims and remove the double sided tape.



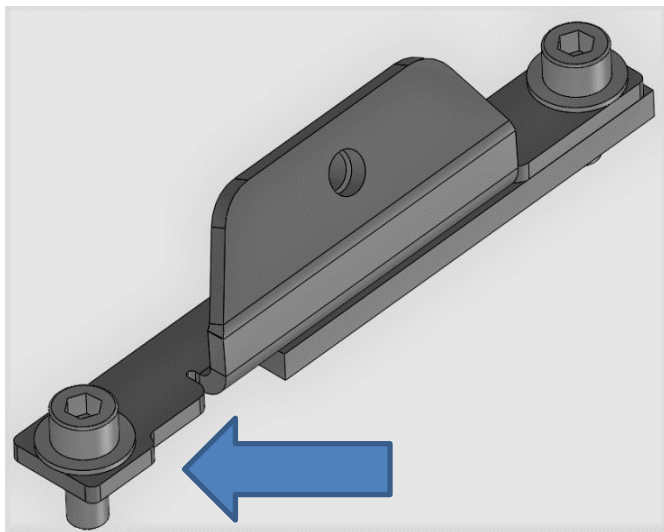
2. Locate the 8 (4 per side) captive nuts and using a safety knife, expose the holes.



STEP 2 – ATTACH MOUNTING BRACKETS TO ROOF



4. Cut Rubber packers in half and stick to the feet so that the holes line up



5. Position the 4 mounting brackets so the weld nut is facing towards the centre of the vehicle. Take note, the step highlighted is to the rear of the vehicle. Outside on the FRONT and inside on the REAR. Attach each bracket to the roof mounting points using the M8 SHCS and M8 Flat washers.

CAREFULLY thread the M8 SHCS through the bracket and rubber packer so to not tear the material.

The image to the right shows the Front RH mounting bracket as an example.

Tighten screws to specified torque

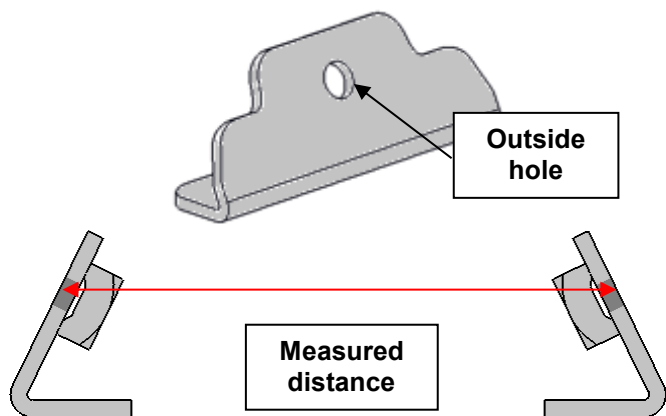


Torque M8 to 22Nm



6. Cut the roof trim that was removed earlier at step 1 to fit neatly around the roof rack mounts. There will be six pieces in total for both sides of the roof.
7. The fitting kit includes two pieces of double-sided tape to be cut into equal lengths of 50mm (12 pieces). Apply tape to each end of the roof trim pieces and refit in roof channels.

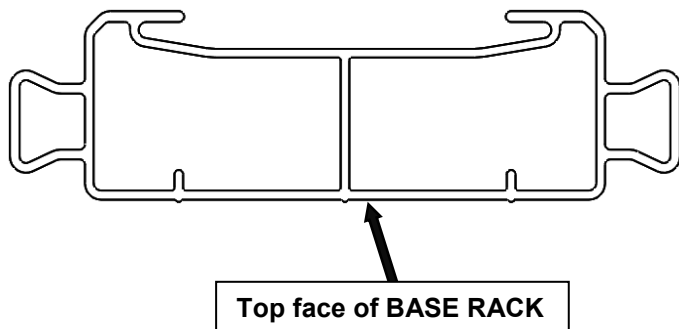
GENERIC IMAGE



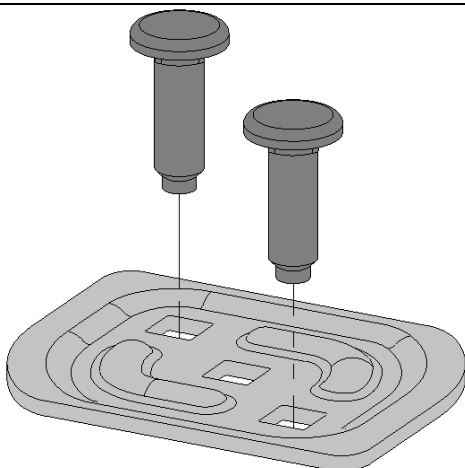
4. Using a tape measure, measure across the vehicle between the middle of the hole on the outside face of the front and rear set of mounting brackets. Make a note of each measurement.

Position	Distance
Front	
Rear	

STEP 3 – ASSEMBLE THE BASE RACK



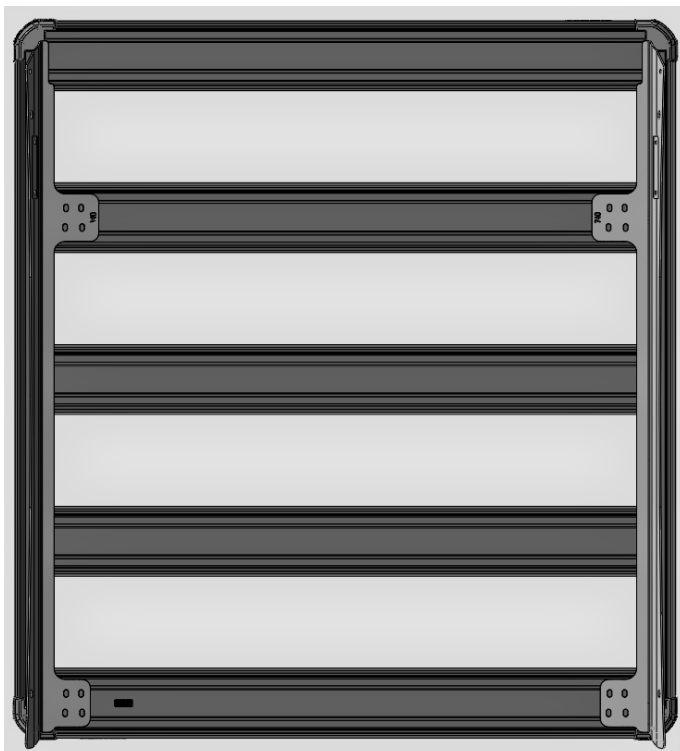
5. Place the BASE RACK face down on a clean flat surface. Provide protection to the top face of BASE RACK to avoid marking of surfaces



6. Insert 2, M8 x 25 Studs into each of the Stud Plates as shown.

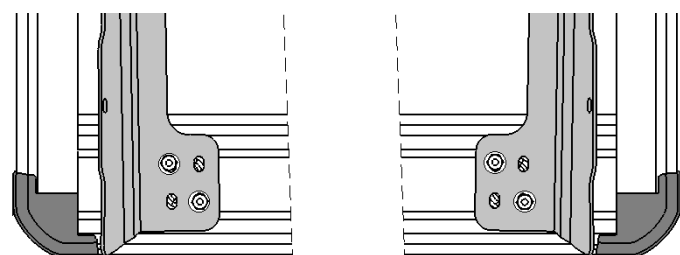
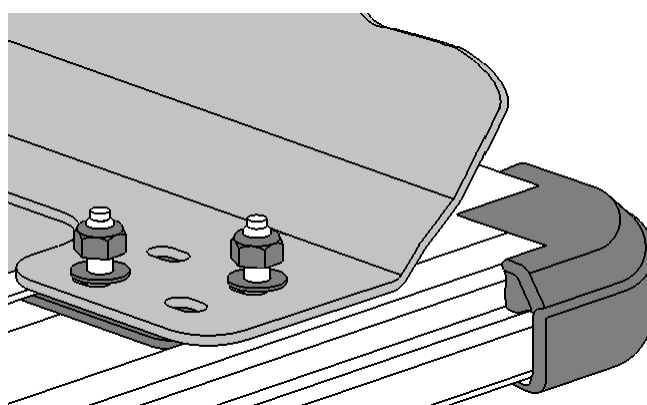


7. Check the position of the mounting plates (circled in image) on the blade brackets in relation to the channels on the BASE RACK.



8. 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.

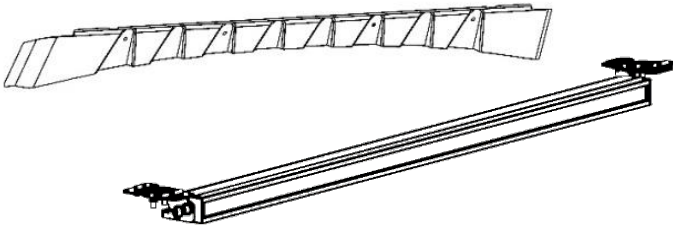
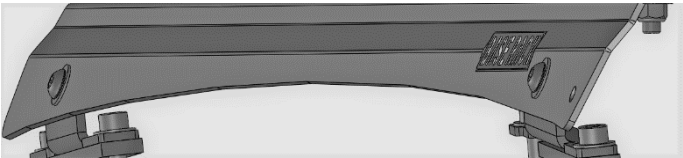
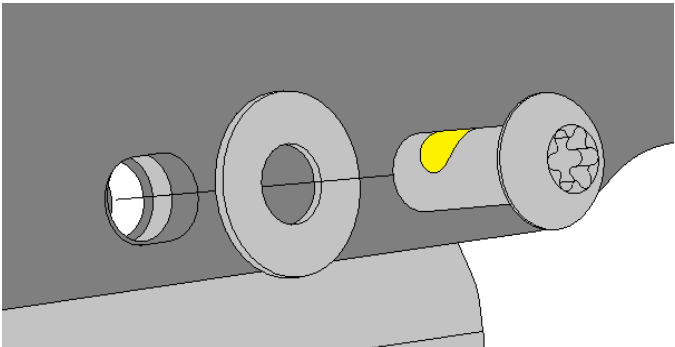


9. Using the previously recorded measurements, adjust the location of the blade bracket on the BASE RACK.

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

	10. If fitting an air deflector or BASE RACK lightbar it should be fitted to the BASE RACK at this point. Refer to instructions provided with the air deflector or BASE RACK for fitting details.
	11. 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.
	12. Confirm BASE RACK is correctly aligned to vehicle. If it is not it is recommended to remove the BASE RACK from the vehicle roof and repeat the mounting process from the measurement step.
	13. Use the M8 Button head Torx screws and M8 Black washers to secure the BASE RACK to the roof mounting brackets. Tighten all screw to the specified torque.  Torque M8 to 22Nm

ISUZU DMAX WITH 17948060 AND 1770060 FITTED



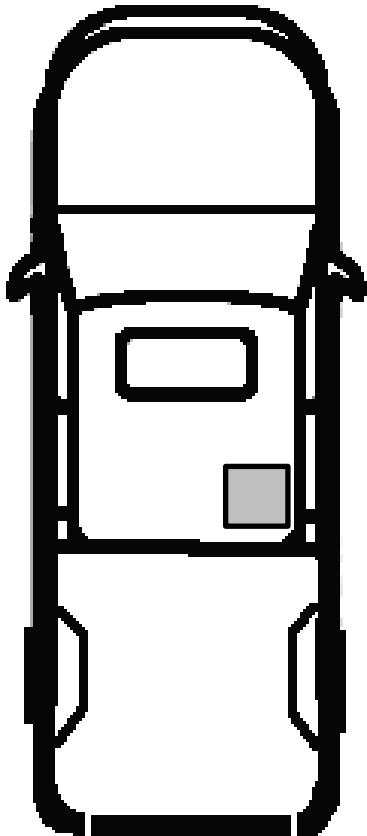
MAZDA BT 50 WITH 17948060 AND 1770070 FITTED



OPTIONAL STEP FOR BASE RACK WIRING KIT

(1780400 & 1780410 SOLD SEPARATELY)

These steps are a vehicle specific supplement to the main instruction



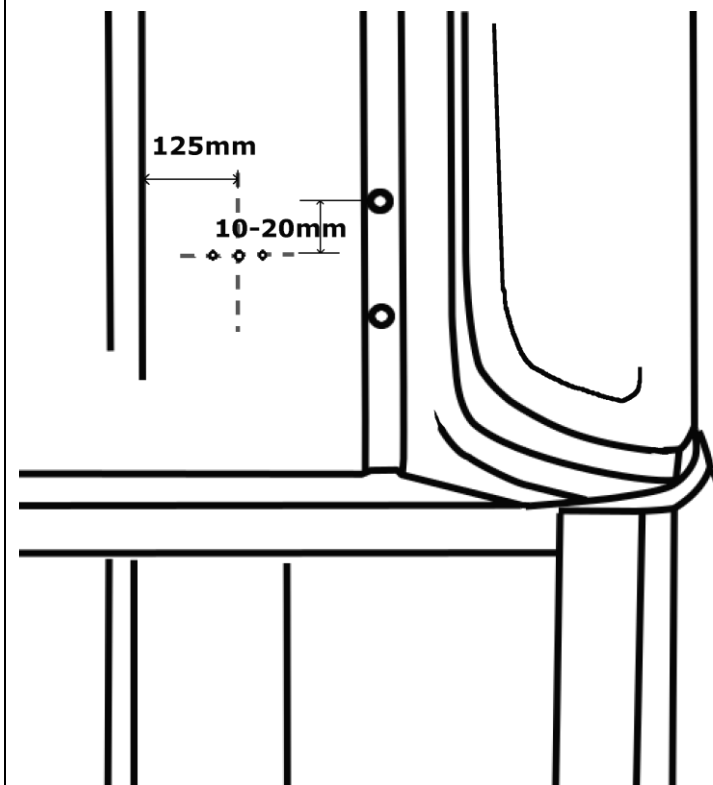
1. The recommended location for the wiring kit for this vehicle is the rear, right hand side
2. The location provided has been chosen to provide a safe passage away from vehicle components (airbags, vents, etc) and integrated to the rack

! CAUTION – THIS STEP MAY REQUIRE DISASSEMBLY OF SEAT BELT MOUNTS AND WORK IN THE PROXIMITY OF CURTAIN AIR BAGS !



3. Lower the headliner and remove away the rear sound insulation panel to the first roof rib





4. Use the hole locations shown. Always verify they are clear inside the cabin before drilling



5. Follow and secure to the existing wiring loom down the rear pillar

ENSURE THE WIRING IS BEHIND THE AIRBAG

Obstruction of the airbag will prevent proper inflation and effectiveness