

ARB **BASE RACK**

FITTING INSTRUCTION

Part Number: Suits BASE RACK:
17962010 **1770040**
17062020 **1770070**

Product Description: **BASE RACK fitting kit suits Nissan Patrol Y62**

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 kits 17962010 & 17962020, 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)
17962010	1770040	100 / 220	35.5 / 100	64.5 / 142
17962020	1770070	70 / 154	20 / 44	50 / 110

* 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:

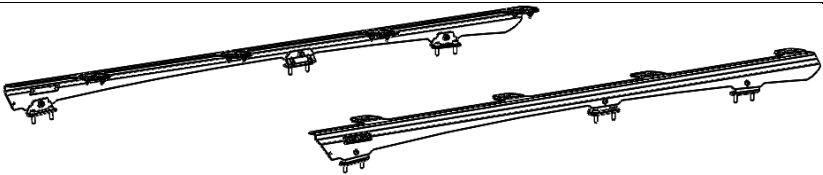
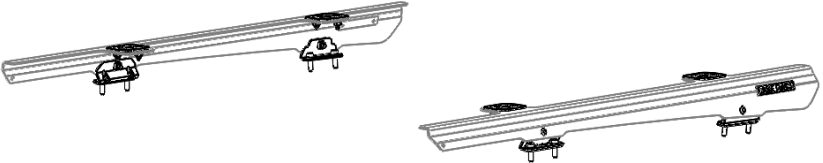
10mm spanner x 2	13mm spanner x 1
Allen key set	Torx key set
Pen/pencil	Socket set
Tape measure	Loctite Thread Sealer

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:


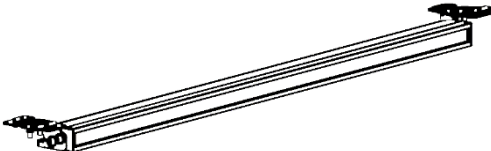
SIZE	Torque Nm	Torque lbft
M6	9Nm	7lbft
M8	22Nm	16lbft

PARTS LISTING - BASE RACK fitting kit



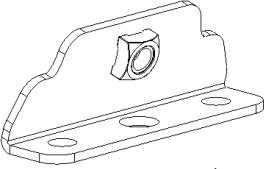
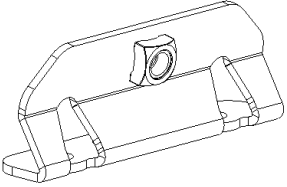
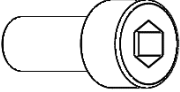

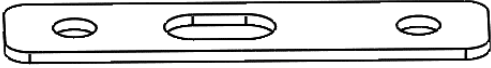
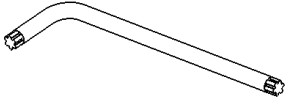
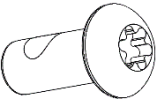
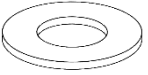
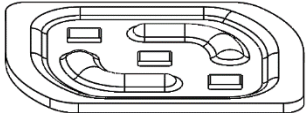
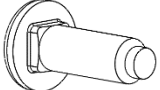


PART NUMBER	SUITS BASE RACK	QTY	DIAGRAM
17962010	1770040	1	
17962020	1770070	1	

Air Deflector and Base Rack Light Bar

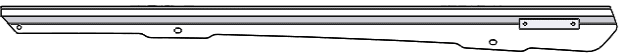

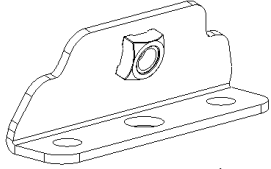
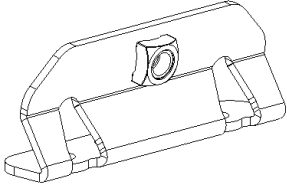
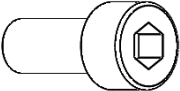
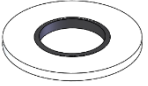
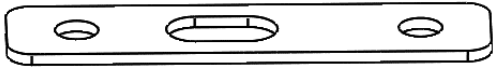

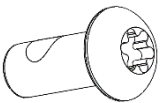
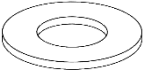
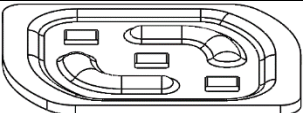
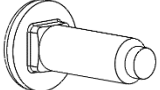

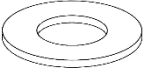
An air deflector or BASE RACK Light Bar should be fitted beneath the front edge of the BASE RACK. Refer to the table below for the correct part number. If fitting the light bar in front of the BASE RACK, an Air Deflector should also be fitted. Refer to the instructions provided with these products for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

		AIR DELECTOR FITTING KIT	BASE RACK FITTING KIT
AIR DEFLECTOR		17962030 17962040	17962010 17962020
BASE RACK LIGHT BAR		1780500	17962010 / 17962020

PARTS LISTING 17962010

PART NO.	PICTURE	QTY	DESCRIPTION
APPLICATION – MOUNTING BRACKETS TO ROOF			
3752745L		1	BLADE BRACKET Y62 2125 LH
3752745R		1	BLADE BRACKET Y62 2125 RH
3752750		4	END MOUNTING BRACKET W/ WELD NUT
3752749		2	MID MOUNTING BRACKET W/ WELD NUT
6151263		12	M8 X 1.25 X 20MM SOCKET HEAD CAP
4584415		12	M8 WASHER FLAT - BONDED
5848499		6	RUBBER PACKER
6151934		1	TORX ALLEN KEY
6151924		6	M8 X 1.25 X20 BUTTON HEAD TORX - BLK
4581085		6	M8 WASHER FLAT - BLACK
APPLICATION – BASE RACK TO MOUNTING BRACKETS			
3195184		8	M8 STUD PLATE
6151916		16	M8 X 25 STUD - BLACK
6151212		16	M8 X 1.25 NYLOC NUT - BLACK
4581085		16	M8 WASHER FLAT - BLACK

PARTS LISTING 17962020

PART NO.	PICTURE	QTY	DESCRIPTION
APPLICATION – MOUNTING BRACKETS TO ROOF			
3750629L		1	BLADE BRACKET Y62 1255 LH
3750629R		1	BLADE BRACKET Y62 1255 RH
3752750		2	END MOUNTING BRACKET W/ WELD NUT
3752749		2	MID MOUNTING BRACKET W/ WELD NUT
6151263		8	M8 X 1.25 X 20MM SOCKET HEAD CAP
4584415		8	M8 WASHER FLAT - BONDED
5848499		4	RUBBER PACKER
6151934		1	TORX ALLEN KEY
6151924		4	M8 X 1.25 X20 BUTTON HEAD TORX - BLK
4581085		4	M8 WASHER FLAT - BLACK
APPLICATION – BASE RACK TO MOUNTING BRACKETS			
3195184		4	M8 STUD PLATE
6151916		8	M8 X 25 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 COVERS

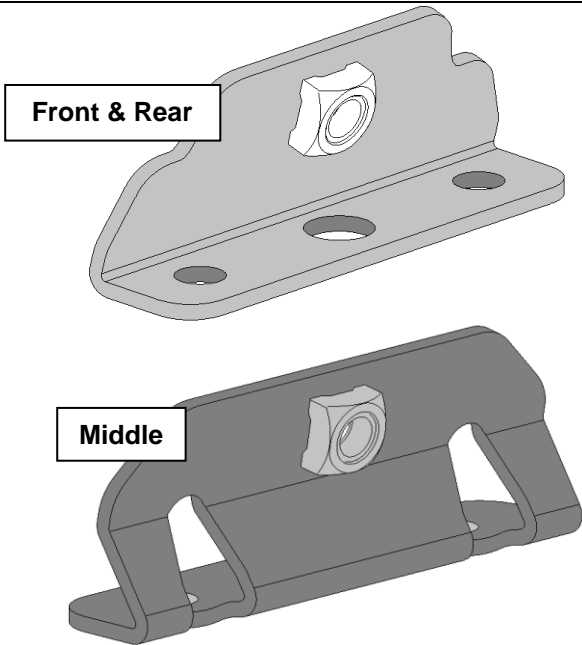


1. Remove cover plates in roof trim (x6) using small flat blade screwdriver.

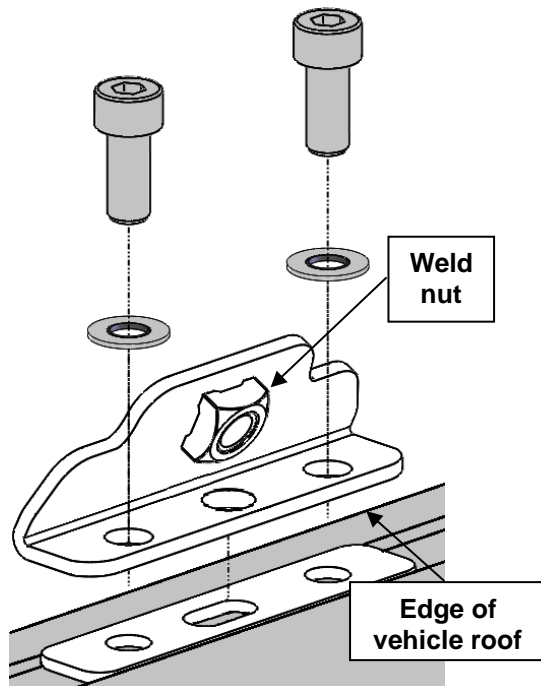


2. Remove plastic plugs with Phillips head screwdriver (x12).
3. Apply a ring of Neutral Cure Silicone around each hole (12) and under heads of bolts.

STEP 2 – ATTACH MOUNTING BRACKETS TO ROOF



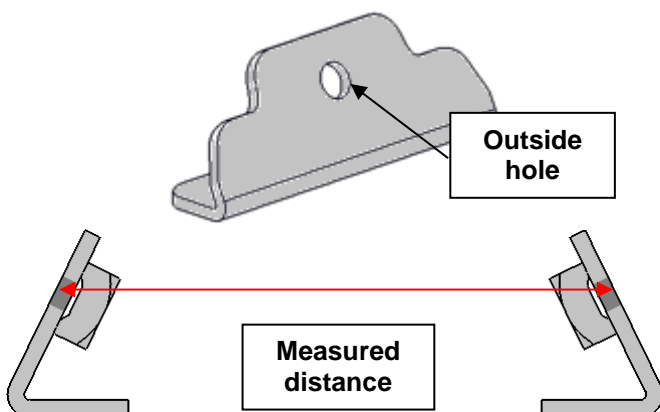
4. **17962010** contains 4 smaller end brackets (3752750), shown top left, which go on the front and rear mounting points on both sides of the vehicle. **17962020** only contains 2 of these end brackets, which go on the rear mounting points on both sides of the vehicle
5. Both kits also contain 2 larger middle brackets (3752749), shown bottom left, which go on the middle roof mounting points on both sides.



6. Place a rubber packer over each of the sets of holes in the roof channels
7. Position each mounting bracket so the weld nut is facing towards the centre of the vehicle. Apply Thread Sealant to M20x20 socket head screws and attach each bracket to the roof mounting points using these M8 screws and M8 Bonded washers. The image to the right shows the Front/Rear mounting brackets as an example.

Tighten screws to specified torque

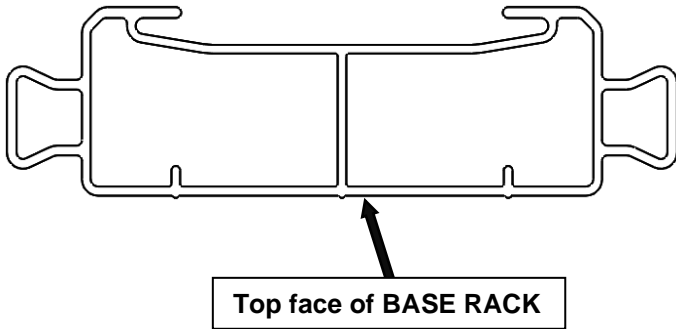
 **Torque M8 to 22Nm**



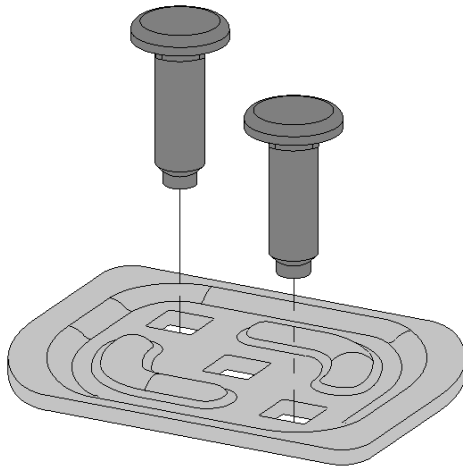
4. Using a tape measure, measure across the vehicle between the middle of the hole on the outside face of the front and rear set of mounting brackets. Make a note of each measurement.

Position	Distance
Front	
Rear	

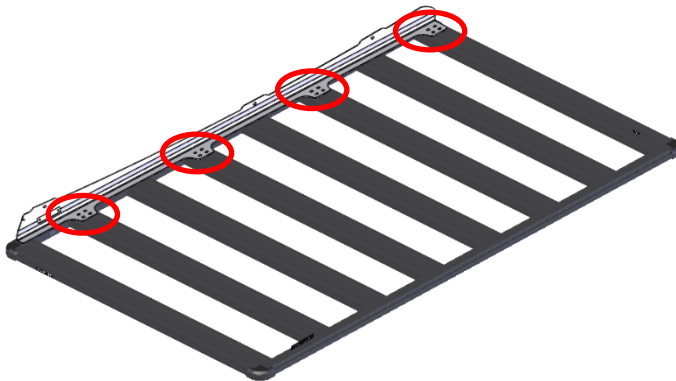
STEP 3 – ASSEMBLE THE BASE RACK



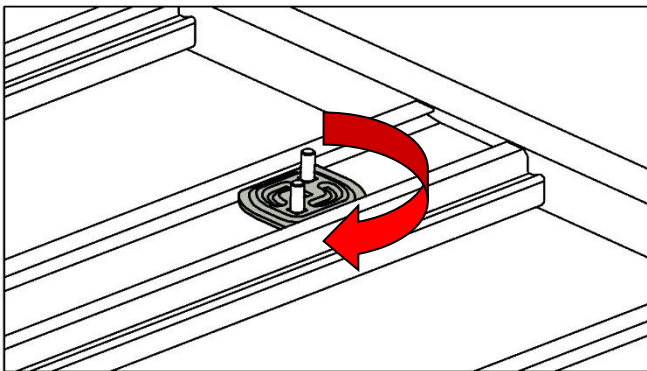
5. Place the BASE RACK face down on a clean flat surface. Provide protection to the top face of BASE RACK to avoid marking of surfaces



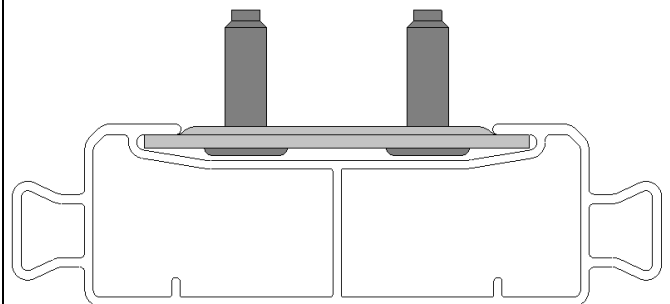
6. Insert 2, M8 x 25 Studs into each of the Stud Plates as shown.

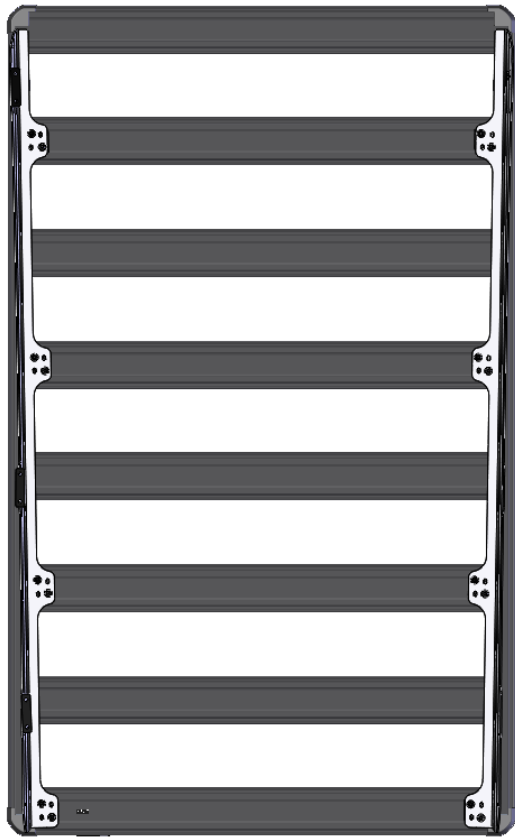


7. Check the position of the mounting plates (circled in image) on the blade brackets in relation to the channels on the BASE RACK.



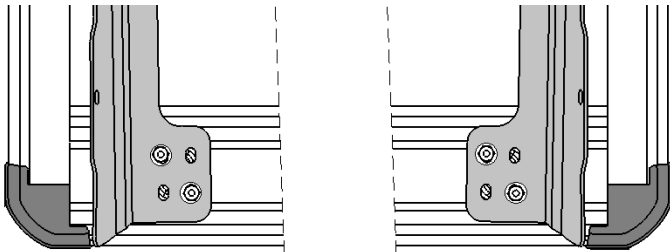
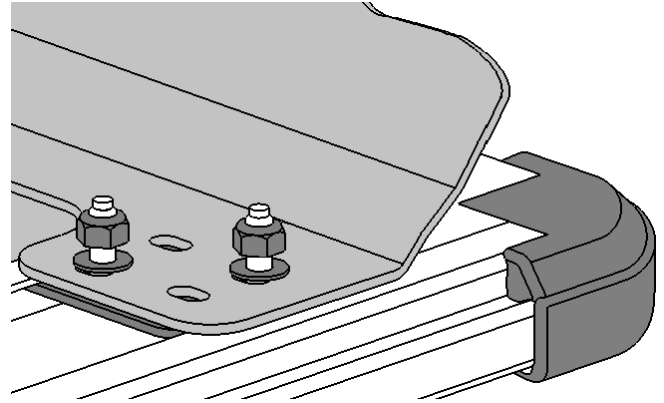
8. Insert the previously assembled stud plates into the correct BASE RACK channels. Rotate the plates 90 degrees.





9. 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.

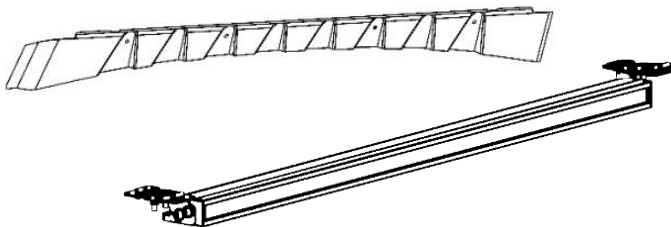
Do not fully tighten, allowing each blade to move within the BASE RACK stud plate channel.



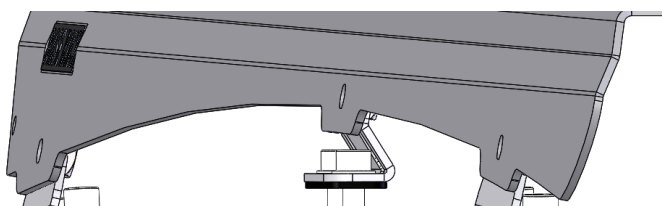
10. Using the previously recorded measurements, adjust the location of the blade bracket on the BASE RACK.

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**

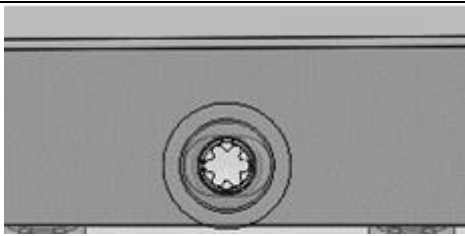


11. If fitting an air deflector or BASE RACK lightbar it should be fitted to the BASE RACK at this point. Refer to instructions provided with the air deflector or BASE RACK for fitting details.

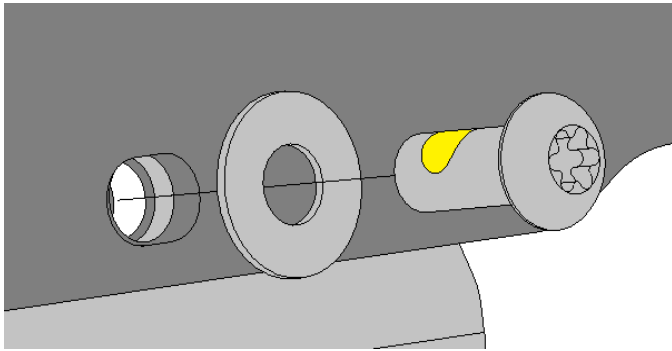


12. With assistance, carefully place the BASE RACK on the vehicle so the inside of the blade brackets rests on the outside of the mounting brackets. The entire BASE RACK assembly should be clear of the vehicle roof. All mounting holes/slots should align closely.

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



13. 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.



14. 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

