

ARB **BASE RACK**

FITTING INSTRUCTION

Part Number(s):
17946030

Suits BASE RACK:
1770060 / 1770070

Product Description: **BASE RACK Fitting Kit Suits:**

- **TRITON MQ/MR**

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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FITTING REQUIREMENTS

REQUIRED TOOLS FOR FITMENT OF PRODUCT:

UTILITY KNIFE	SIDE CUTTING PLIERS	METRIC SOCKET SET
TORQUE WRENCH 9-22 Nm	TAPE MEASURE	HEX KEY SET
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

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 17946030, 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)
17946030	1770060	80 / 176	19.8 / 43.6	60.2 / 132.7
	1770070	80 / 176	21.0 / 46.3	59 / 130

* 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

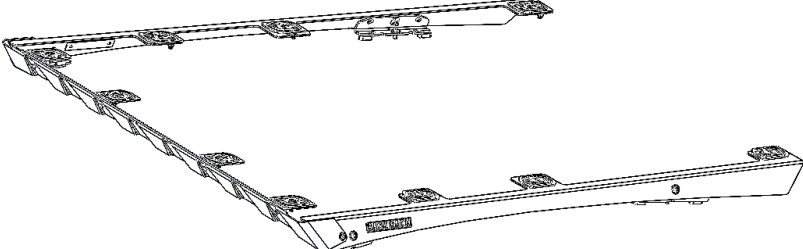
GENERAL CARE AND MAINTENANCE

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:



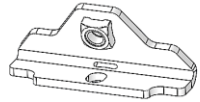
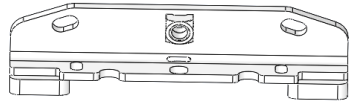
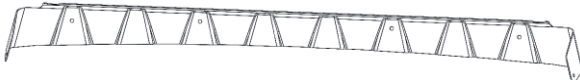
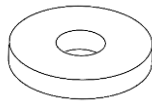
- As part of any pre-trip preparation, or on an annual basis, it is recommended that a thorough visual inspection of the BASE RACK is carried out, making sure that all bolts and other components are torqued to the correct specification. Replace any components as necessary.

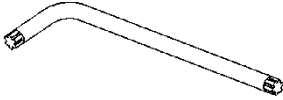
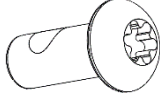

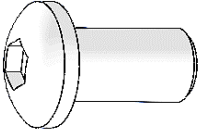
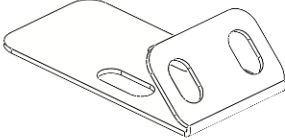
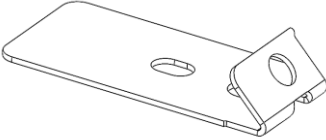
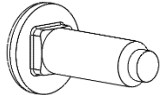
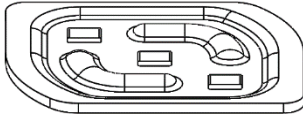
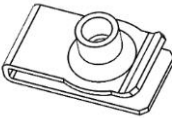

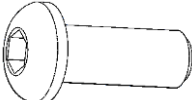
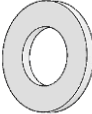
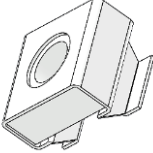
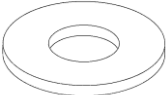
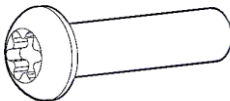
Please contact local Authorised ARB Stockist if you would like to have this service carried out on your behalf.

PARTS LISTING - BASE RACK fitting kit

PART NUMBER	SUITS BASE RACK	QTY	DIAGRAM
17940090	1770010	1	

PARTS LISTING 17940090

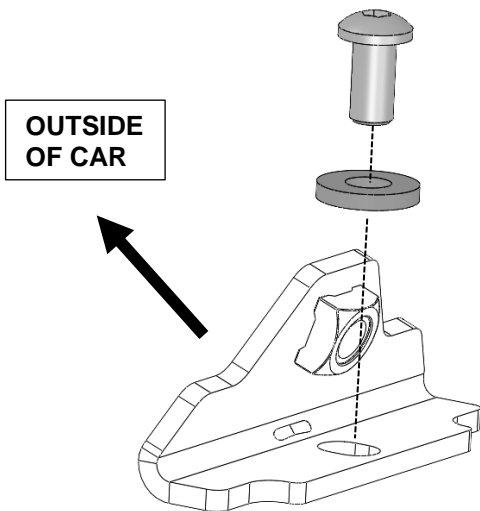
PART NO.	PICTURE	QTY	DESCRIPTION
3755364R		1	BASE RACK BLADE RHS TRITON
3755364L		1	BASE RACK BLADE LHS TRITON
3755365		2	BRKT FR FOOT TRITON
4655471		2	REAR FOOT ASSY TRITON
3755367		1	BRKT AIR DEF RT SUIT TRITON
4584418		4	WASHER FLAT M8X19X3

6151934		1	TORX ALLEN KEY
6151924		4	SCREW BHD M8x1.25x20
4581085		20	WASHER FLAT M8X19X1.2
6151544		4	M8 X 16 SCREW BUTTON HEAD
3755894		2	BRKT BR DEFLECTOR RETAINER
3752747		2	BRKT AIR DEF RT MOUNT
6151921		16	BOLT COHD M8X20
3195184		10	PLATE STUD RT M8
6151475		4	NUT U M6X1.0
6151212		16	NUT HEX NYLOC M8X1.25
6151459		4	SCREW BHD M6x16
4584329		4	WASHER FLAT M6X12.2X1.2
6151300		2	NUT M6 CAGED 2.6-3.5MM 956-C
4584327		2	WASHER FLAT M6X16X1.2
6151711		2	SCREW BHD M6x25

FITTING PROCEDURE

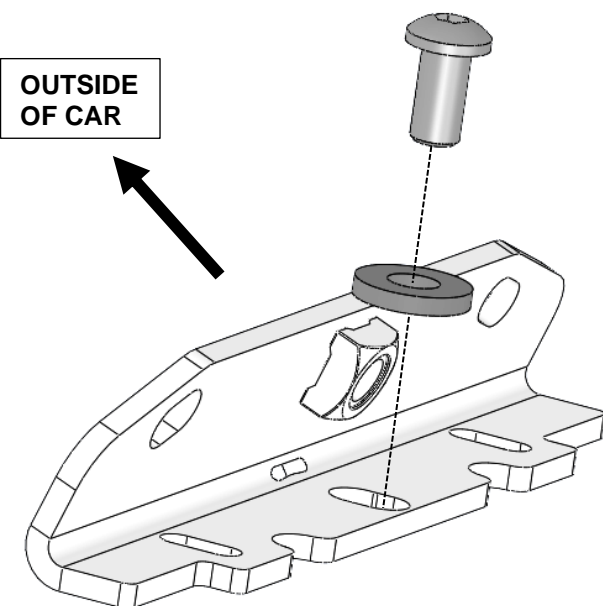


1. Remove rubber gutter strip



2. Fasten front feet into captive nuts shown below using M8x16mm screws and 3mm thick washers with brackets leaning in towards the centre of the vehicle.

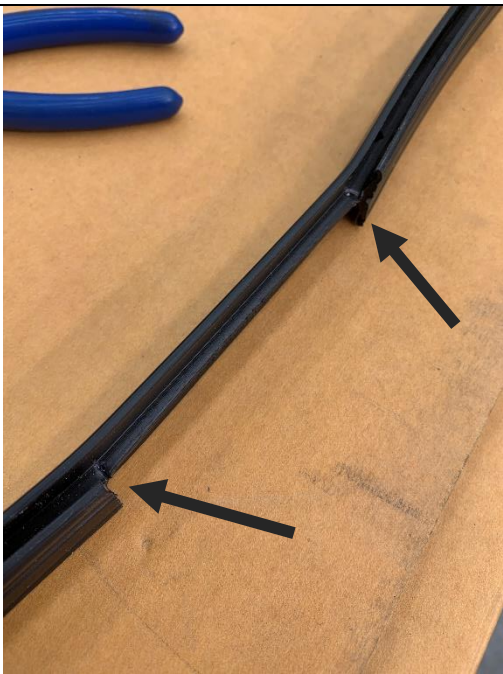
 **M8 - 22Nm**



3. Fasten rear feet into captive nuts using M8x16mm screws and 3mm thick washers with brackets leaning in towards the centre of the vehicle.

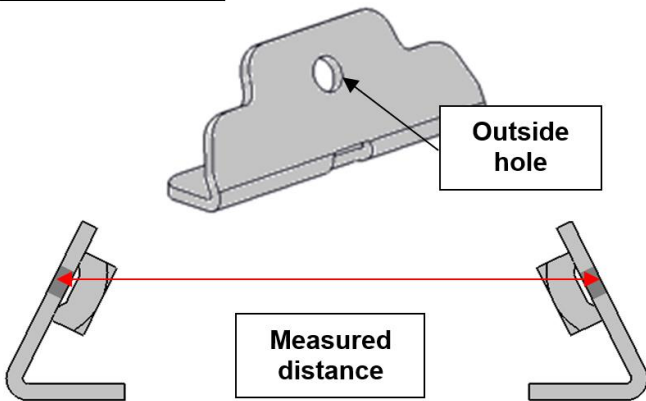
 **M8 - 22Nm**





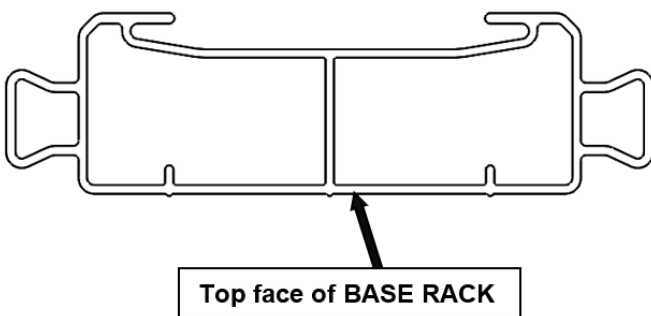
4. Identify cutout locations in the OE gutter trim. There should be two per liner.
5. Using side cutters cut the steel running through the gutter liner.
6. Neatly cut the rubber the rest of the way through with a utility knife.
7. Test fit the liner on the vehicle and trim as required.

Generic Image

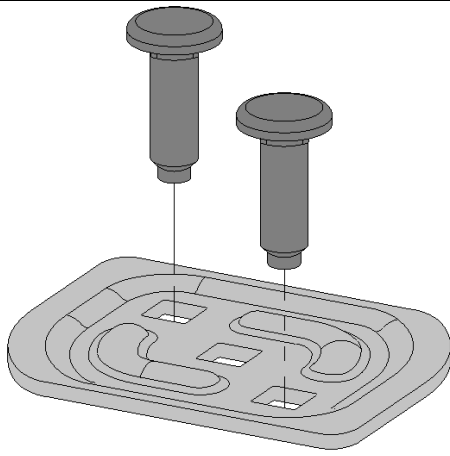


8. Using a tape measure, measure across the vehicle between the middle of the hole on the outside face of the front and rear set of mounting brackets. Make a note of each measurement.

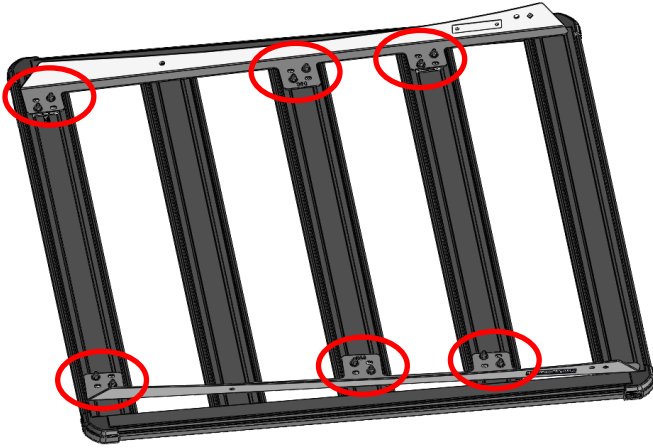
Position	Distance
Front	
Rear	



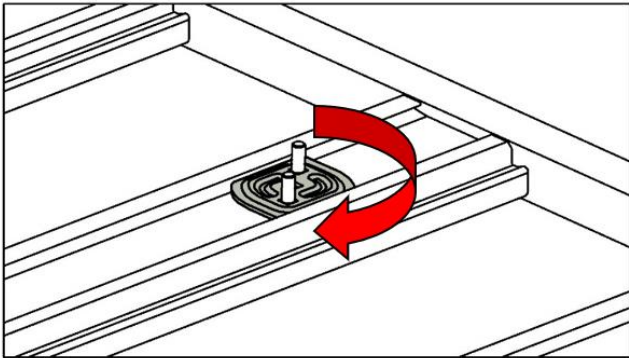
9. Place the BASE RACK face down on a clean flat surface. Provide protection to the top face of BASE RACK to avoid marking of surfaces.



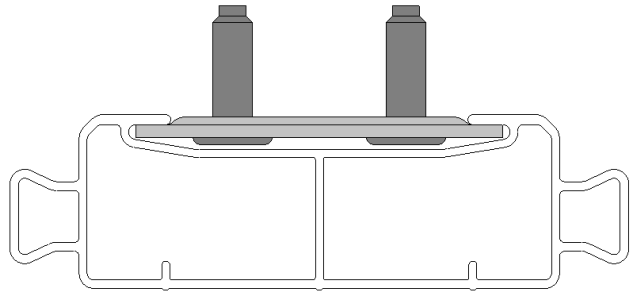
10. Insert two M8 x 25 Studs into 6 of the Stud Plates as shown.



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

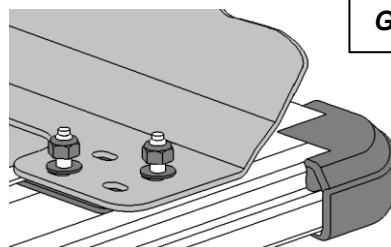


12. Insert the previously assembled stud plates into the correct BASE RACK channels. Rotate the plates 90 degrees.

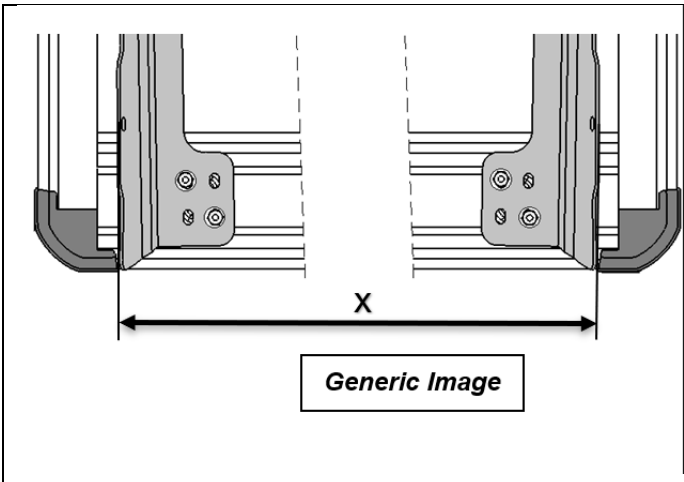


13. Flip the blade brackets over so they are upside down and carefully place on top of the BASE RACK. When doing so ensure the M8 studs in the stud plates go through the slots. Then secure the blade brackets to the BASE RACK using M8 flat washers and nyloc nuts.

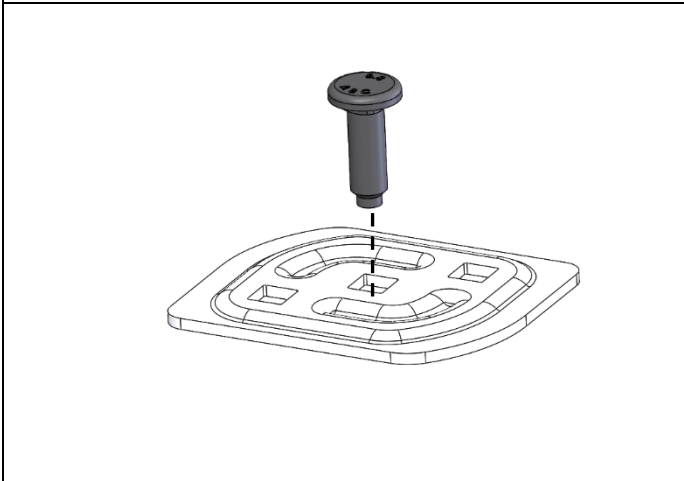
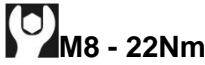
Do not fully tighten, allowing each blade to move.



Generic Image



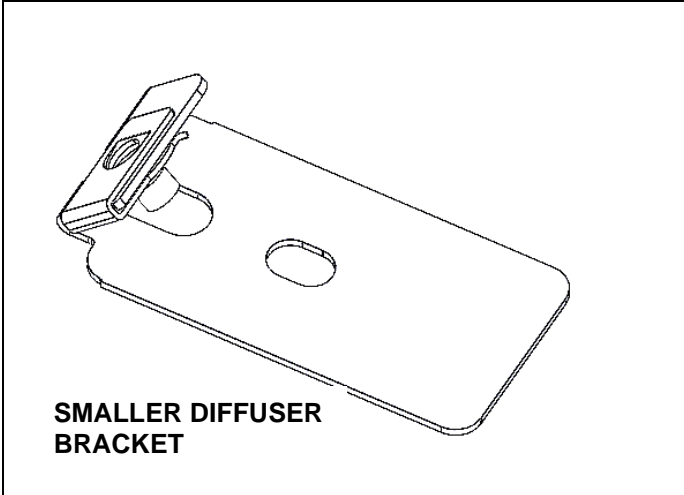
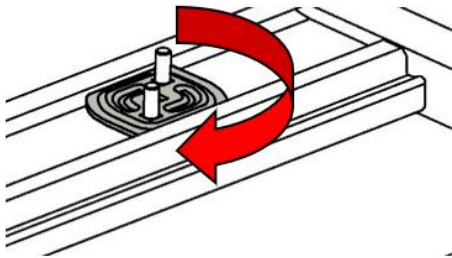
14. Using the previously recorded measurements, adjust the location of the blade bracket on the BASE RACK.
- Ensure the distance between the blade bracket and the edge of the tray is the same on both sides. Fully tighten all M8 nyloc nuts to specified torque.



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

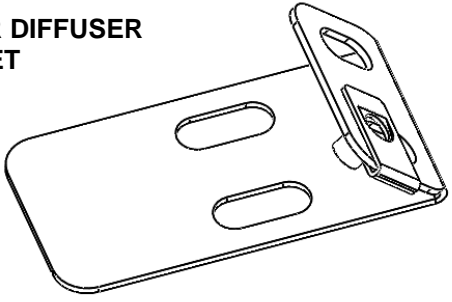


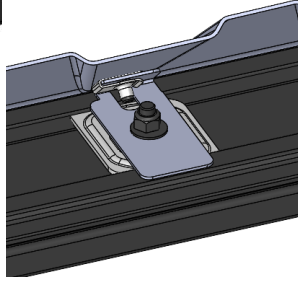
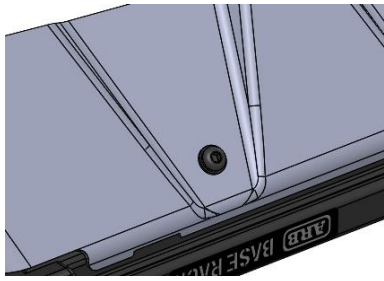
16. Insert the previously assembled stud plates into the front BASE RACK channel. Rotate the plates 90 degrees.



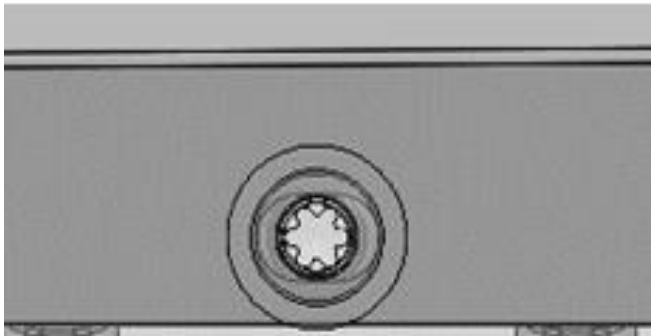
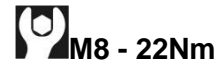
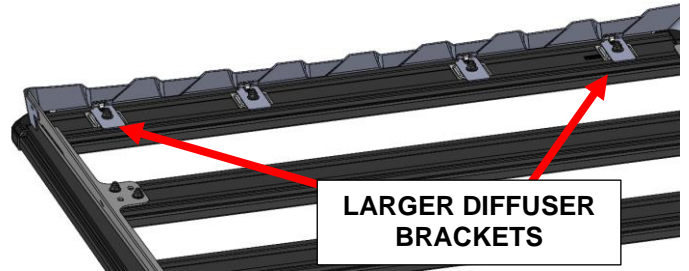
17. Fit M6 U-nuts to the 4x diffuser brackets as shown. The thread needs to be on the inside.

LARGER DIFFUSER BRACKET

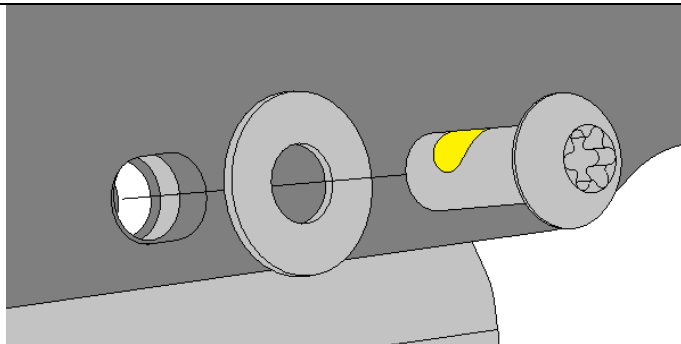




18. Loosely fit the diffuser to the mounts and brackets as shown. Use an M8 nyloc nut and washer to hold the diffuser brackets to the stud plates. Ensure larger diffuser brackets are located in the outer position. Use M6 screws and washers to hold the diffuser to the brackets.
19. Tighten to specified torque.



20. With assistance, carefully place the BASERACK on the vehicle so the inside of the blade brackets rests on the outside of the mounting brackets. The entire BASERACK assembly should be clear of the vehicle roof. All mounting holes/slots should align closely.
21. Note: Place protective material on roof to reduce the risk of accidental damage to vehicle when mounting the BASERACK to the vehicle.
22. 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.



23. Use the M8 Button head Torx screws and M8 Black washers to secure the roof tray to the roof mounting brackets. Tighten all screw to the specified torque.



FITTED PRODUCT

