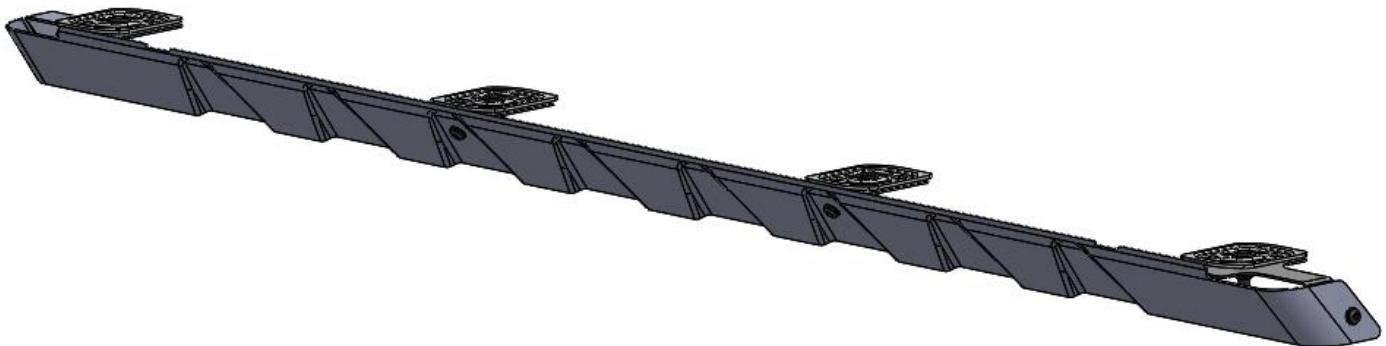


# **ARB** **BASE RACK** FITTING INSTRUCTION

## **BASE RACK** Universal air deflector kits



### **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

## **ARB 4x4 ACCESSORIES**

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**Last Rev Date: 07/10/2021**

**Page 1 of 10**

**Fitting instructions# 37800053**

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ACT: (02) 6280 7475 NSW: (02) 9821 3633 NT: (08) 8947 2262 QLD: (07) 3872 3872 SA: (08) 8244 5001 TAS: (03) 6331 4190 WA: (08) 9244 3553

# 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:

Allen key set	13mm spanner x 1
	10mm spanner x 1

### For BASE RACK lightbar fitment only

Tinsnips or angle grinder	Black touch-up paint
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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.**

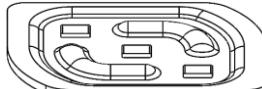
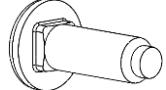
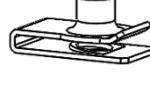
### FASTENER TORQUE SETTINGS:

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

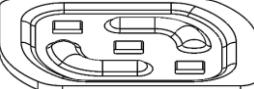
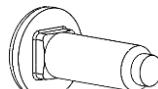
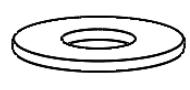
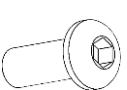
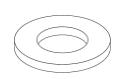
## PARTS LISTING

AIR DEFLECTOR FITTING KIT	SUIT BASE RACK	DEFLECTOR NO.	QTY	PICTURE
17900080	1770010 1770060	3750529	1	
17900090	1770020 1770030 1770040 1770070	3750530	1	
17900100	1770050 1770080 1770090 1770100	3753081	1	

## PARTS LISTING: 17900080

PART NO.	PICTURE	QTY	DESCRIPTION
SEE ABOVE		1	AIR DEFLECTOR
3752747		4	AIR DEFLECTOR MOUNT BRACKET
3195184		4	M8 STUD PLATE
6151916		4	M8 x 25 STUD - BLACK
6151212		4	M8 x 1.25 NYLOC NUT - BLACK
4581085		4	M8 FLAT WASHER - BLACK
6151475		4	U-NUT M6
6151459		4	M6 x 16 BUTTON HEAD HEX - BLACK
4584329		4	M6 FLAT WASHER - BLACK

## PARTS LISTING: 17900090

PART NO.	PICTURE	QTY	DESCRIPTION
SEE ABOVE		1	AIR DEFLECTOR
3752747		2	AIR DEFLECTOR MOUNT BRACKET
3750531R		1	AIR DEFLECTOR END MOUNT BRACKET (RIGHT)
3750531L		1	AIR DEFLECTOR END MOUNT BRACKET (LEFT)
3195184		4	M8 STUD PLATE
6151916		4	M8 x 25 STUD - BLACK
6151212		4	M8 x 1.25 NYLOC NUT - BLACK
4581085		4	M8 FLAT WASHER - BLACK
6151475		2	U-NUT M6
6151459		4	M6 x 16 BUTTON HEAD HEX - BLACK
4584329		6	M6 FLAT WASHER - BLACK
6151223		2	M6 x 1.0 NYLOC NUT - BLACK
4581082		2	M6 FLAT WASHER LARGE - BLACK

## PARTS LISTING: 17900100

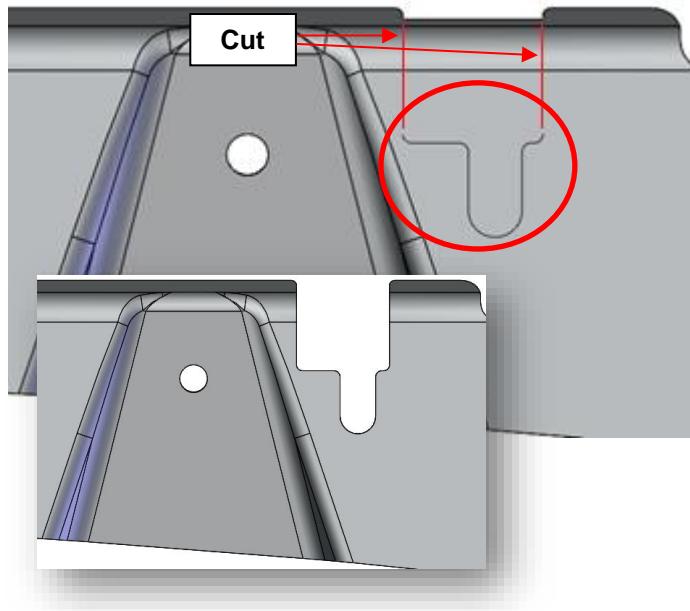
PART NO.	PICTURE	QTY	DESCRIPTION
SEE ABOVE		1	AIR DEFLECTOR
3752747		2	AIR DEFLECTOR MOUNT BRACKET
3753080R		1	AIR DEFLECTOR END MOUNT BRACKET (RIGHT)

3753080L		1	AIR DEFLECTOR END MOUNT BRACKET (LEFT)
3195184		4	M8 STUD PLATE
6151916		4	M8 x 25 STUD - BLACK
6151212		4	M8 x 1.25 NYLOC NUT - BLACK
4581085		4	M8 FLAT WASHER - BLACK
6151475		2	U-NUT M6
6151459		4	M6 x 16 BUTTON HEAD HEX - BLACK
4584329		6	M6 FLAT WASHER - BLACK
6151223		2	M6 x 1.0 NYLOC NUT - BLACK
4581082		2	M6 FLAT WASHER LARGE - BLACK

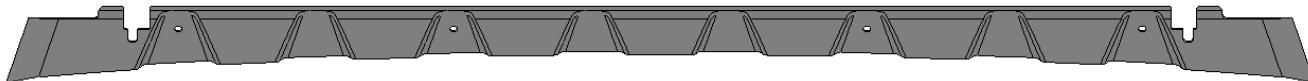
# **BEFORE STARTING, READ ALL STEPS OF THE INSTRUCTIONS CAREFULLY AND CHECK ALL PARTS**

**NOTE: For ease of installation, the air deflector should be fitted with the BASE RACK removed from the vehicle. Read these instructions in connection with the BASE RACK instructions before proceeding with the installation.**

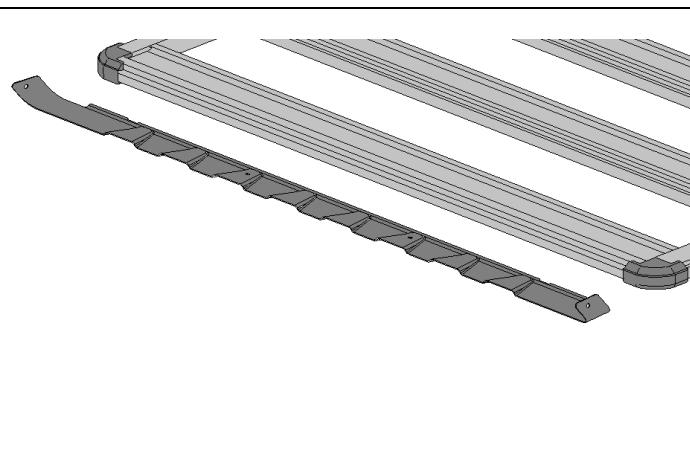
## **OPTIONAL: LIGHTBAR FITMENT**



1. If fitting the air deflector together with a front mounted BASE RACK Light Bar, the Air Deflector needs to be modified as described below. Refer to the instructions provided with the BASE RACK light bar for details on installing the light bar.
2. Make 4 cuts in the air deflector between the notches in the top edge and the laser cut shape as shown.  
Discard the material removed.  
Remove any sharp edges and paint raw edges with black touch-up paint.

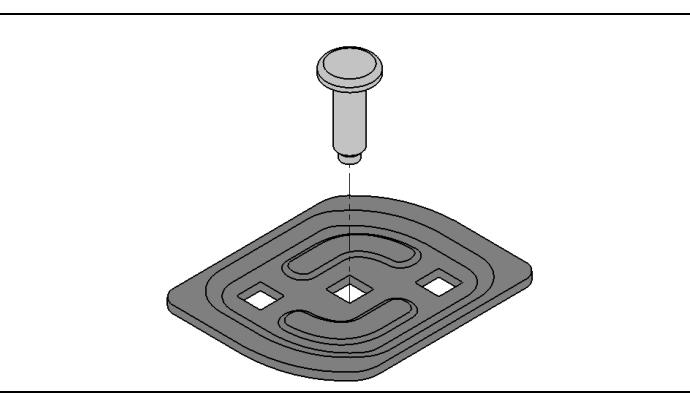


## **AIR DEFLECTOR FITMENT**

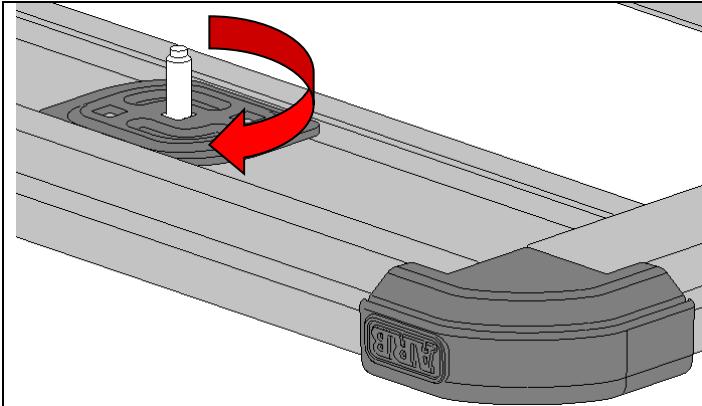


Note: BASE RACK should be upside down with the vehicle mount brackets fitted.

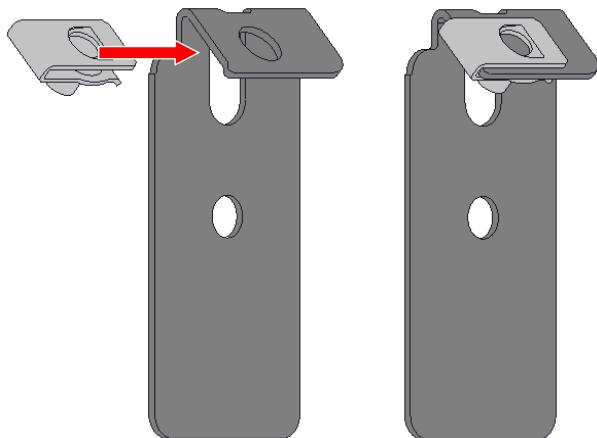
1. Lay the air deflector face down, parallel with the front of the BASE RACK. This will help determine the general position for the 2 centre stud plates. Ensure the distance between the end of the deflector and outside of the tray is the same on both sides.



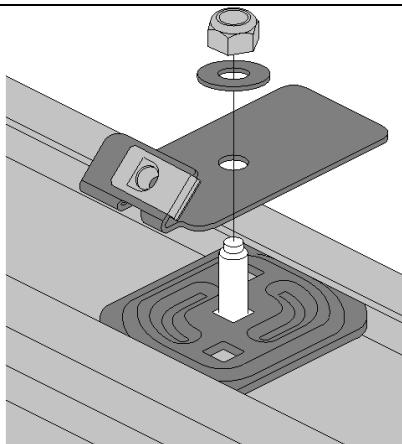
2. Insert one M8 x 25 Stud into each of the Stud Plates as shown.



3. Flip the plate over and insert each of the four assembled stud plates into the front channel of the BASE RACK. Rotate 90 degrees and ensure the bolt on the two centre plate's lines up with the holes in the air deflector. The other 2 plates should be positioned near the ends of the channel.

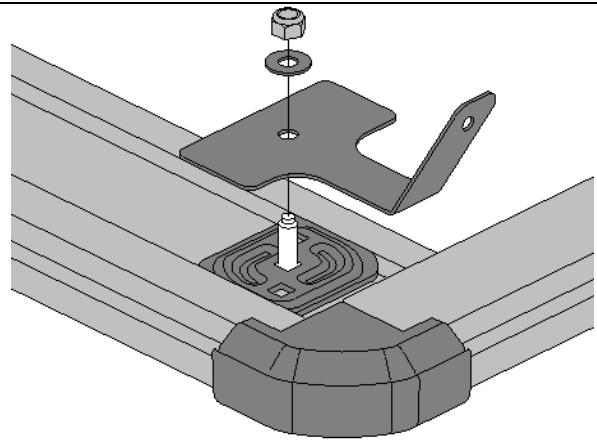


4. Snap one u-nut onto each of the air deflector mounting plates. Take care to ensure the u-nut is oriented correctly. See image.



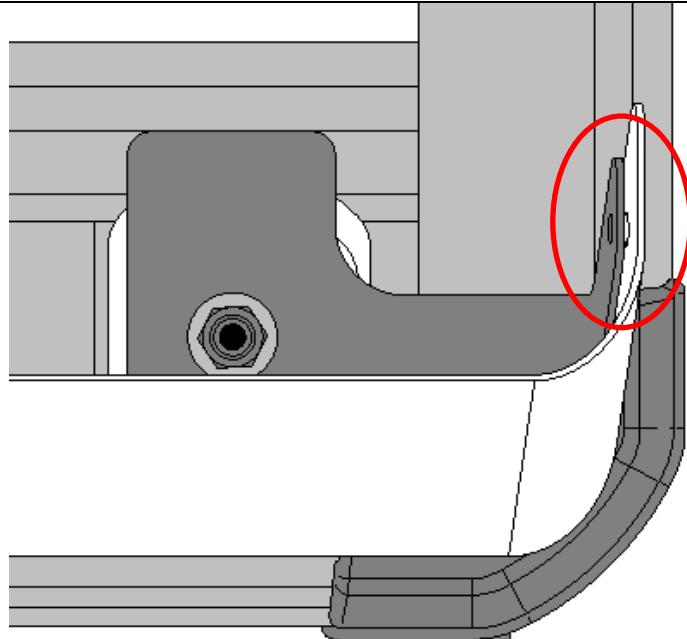
5. Attach all air deflector mounting plates to the stud plates with an M8 flat washer & nyloc nut.  
Leave nut loose enough to allow assembly to slide along channel.

#### FOR 17900090 ONLY

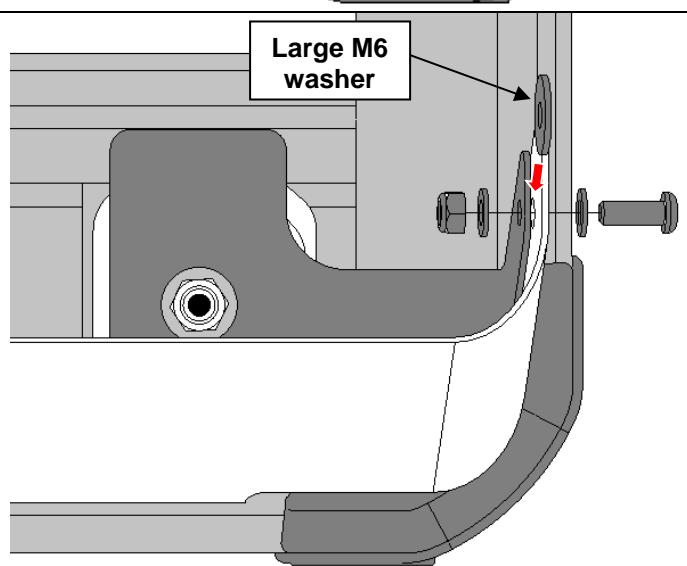


For 17900080, proceed to step 15  
For 17900100, proceed to step 10

6. Attach each of the end mounting brackets to a stud plate with an M8 flat washer & nyloc nut.  
Leave nut loose enough to allow assembly to slide along channel.  
NOTE: The end mounting brackets should be installed with the end return leaning towards the rear of the base rack.

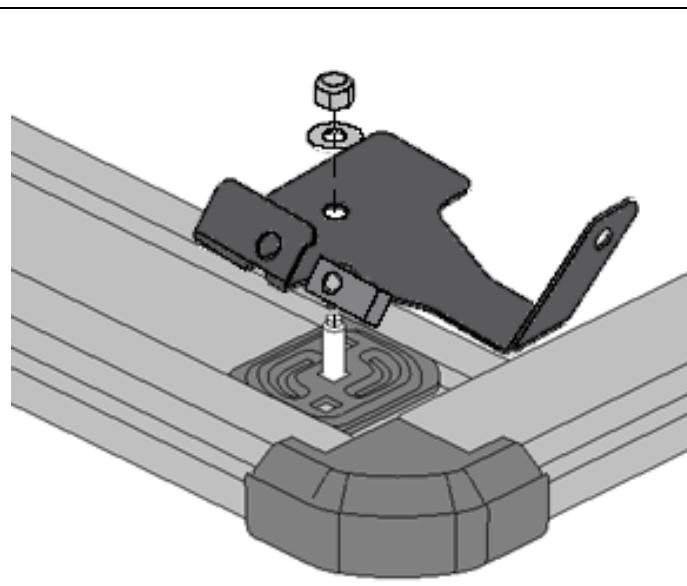


7. Flip the air deflector over and offer it up to the assembled BASE RACK.
8. Ensure the folded ends of the deflector are outside the ends of the end mounting brackets. The holes in the front of the air deflector should line up closely with the u-nuts.



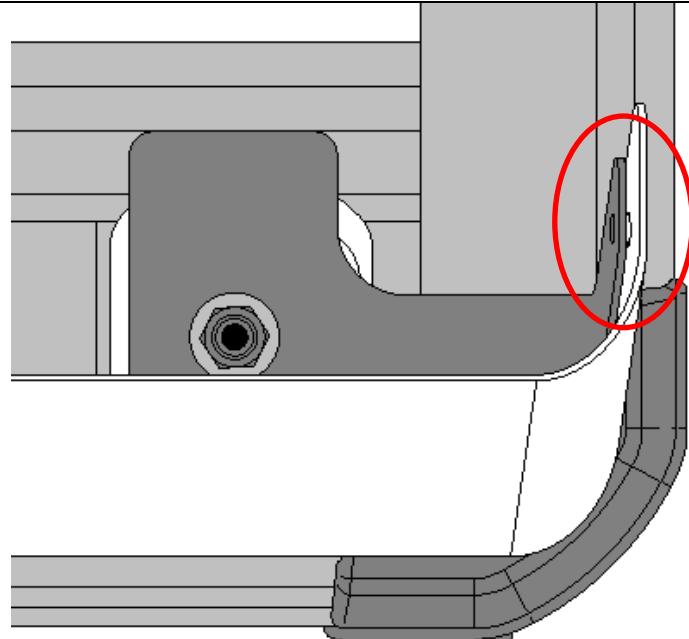
9. Place the large M6 washer (4581082) between the blade and the air deflector and secure using the remaining M6 Button head screws, M6 washers (4584329) and an M6 nyloc nut, as shown.

### FOR 17900100 ONLY

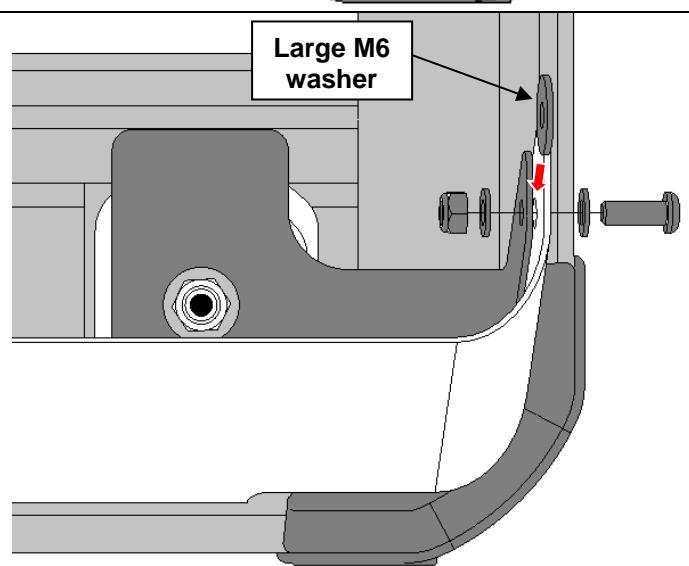


For 17900090, proceed to step 15.

10. Snap one u-nut onto each of the air deflector mounting plates.
11. Attach each of the end mounting brackets to a stud plate with an M8 flat washer & nyloc nut.  
Leave nut loose enough to allow assembly to slide along channel.  
NOTE: The end mounting brackets should be installed with the end return leaning towards the rear of the base rack.

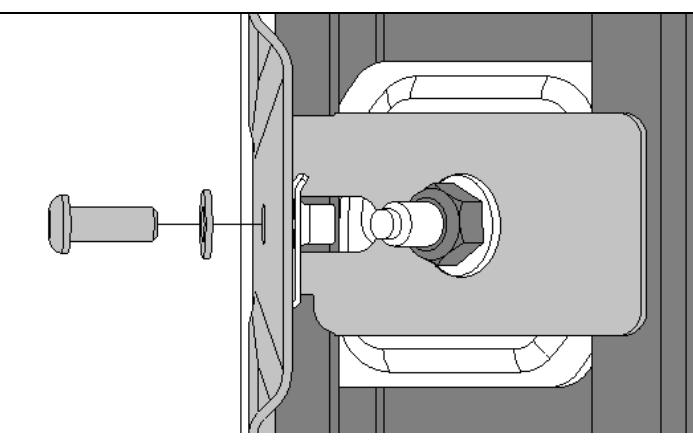


12. Flip the air deflector over and offer it up to the assembled BASE RACK.
13. Ensure the folded ends of the deflector are outside the ends of the end mounting brackets. The holes in the front of the air deflector should line up closely with the u-nuts.



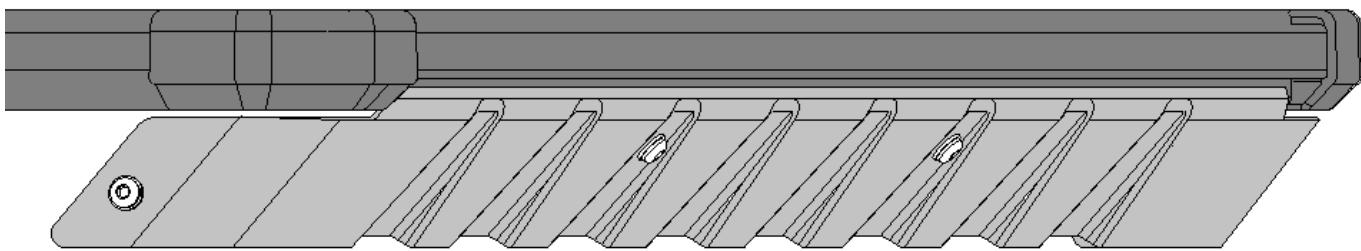
14. Place the large M6 washer (4581082) between the blade and the air deflector and secure using the remaining M6 Button head screws, M6 washers (4584329) and an M6 nyloc nut, as shown.

## FOR ALL DEFLECTOR KITS



15. Secure each of the mounting plates to the air deflector. Use the M6 Button head screws and black M6 washer (part# 4584329) as shown.
16. Tighten all screws to specified torque.
  - Torque M8 to 22Nm**
  - Torque M6 to 9Nm**

17. Fitted (17900090 shown as an example)



Fitted with Lightbar (in front of deflector)

