



Awning Quick Connect Brackets, Fitting instructions

IMPORTANT! – READ BEFORE INSTALLATION

- This product must be installed exactly as per these instructions using only hardware supplied.
- Take a few moments to read instructions thoroughly before beginning work.
- In the event of damage to any bar component please contact OFFROAD ANIMAL to arrange repair/replacement of components.
- This product and its fixings must not be modified in any way unless stated in these fitting instructions.
- The installation of this product is recommended for trained personnel.
- These instructions are correct at time of publication. OFFROAD ANIMAL cannot be held responsible for the impact of any changes subsequently made by the vehicle manufacturer. If you find something has changed, please contact us to let us know!
- During installation it is the duty of the installer to check correct operation/clearances of all components.
- If Instructions are to be printed for reference in the workshop, it is recommended that they are printed in colour, for best legibility.

GENERAL CARE AND MAINTENANCE

Only wash the product with a PH neutral car wash to prevent paint damage and discolouration.

Plastic parts may be maintained with silicone spray.

Do not use acidic or alkaline based cleaning products.

It is important to perform regular checks (pre/during/post trip or on an annual basis) on the installed product. More frequent checks may be required in extreme use cases. Checks include:

- Visual inspection for damage (eg. cracks, chips, dents etc.)
- Electrical wiring is not rubbing anything or worn out
- Bolts are torqued to correct specification (see torque guide below)

For touching up small stone chips, Offroad Animal recommends the following paint products:

- Dupli-Color Trim & Bumper Paint Black (TB101)
- VHT Hood, Bumper & Trim Paint Black (SP27)

BOLT TORQUE SETTINGS

Use the following bolt torques on all general fasteners, unless otherwise specified.

GENERAL FASTENERS	
Size	Torque Nm
M5	5 Nm
M6	9 Nm
M8	22 Nm
M10	44 Nm
M12	77 Nm

Use the following bolt torques on all structural front bar mount and tow point fasteners, and rear towbar fasteners, unless otherwise specified.

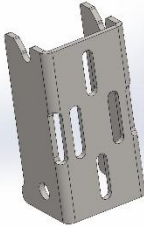
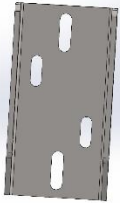
FRONT BAR MOUNTS AND TOW POINTS + REAR TOWBAR	
Size	Torque Nm
M10	57 Nm
M12	100 Nm
M14	164 Nm
M16	248 Nm

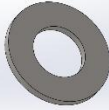
Always use a torque wrench to set correct torque settings. Ensure torque wrench is set to Nm unit of measurement. Otherwise perform conversion to lb-ft.

PARTS LISTING

IMPORTANT: Check all parts are present before beginning work! Contact OFFROAD ANIMAL if something is missing.

Main Parts – In the Box

Qty	Part Number	Description	Image
3	B-1352	Awning QC, Rack Side	
3	B-1353	Awning QC, Awning side	
3	Quick Release Pin 10x 90	QUICK RELEASE PIN, 10MM DIA X 90MM	
3	M10 x 100	Bolt, Hex, M10x100 x1.5, GR8.8 ZP	

3	M10 NY	M10 Nyloc Nut	
6	M10 FW	M10 Flat Washer	

TOOLS REQUIRED

The following tools will be required to install the product.

Hand Tools	Power Tools	Workshop Equipment
Hand Spanners Socket Set	None	Spirit level or long straight edge Tape measure

WORKSHOP SAFETY

It is the responsibility of the installer to always complete works in a safe manner. Make sure the following safety equipment is available and precautions are observed whilst fitting this product.

Hearing Protection 	Always wear ear protection when using power tools.
Eye Protection 	Ensure eye protection is always worn when cutting or drilling.
Manual Handling 	Do not attempt to lift bar assemblies or rock sliders on your own. Always use two people to lift or use mechanical Lifting aid such as hydraulic lifting trolley.
Vehicle Support 	Always ensure vehicle is properly supported when working on it. Do not attempt to fit products whilst suspension work is being carried out. Do not work under a vehicle supported only by a jack.



1. Fit M10 Bolt as shown to B-1353. Feed bolt through washer, then bracket, then washer then nut. Torque until nut just squeezes onto bracket, do not deform the bracket
2. Repeat for other 2 brackets

TOOLS REQUIRED

**16 and 17mm Spanners
and or sockets**

FASTENERS

M10 x 100 Bolt
M10 FW
M10 NY

	
3. Fit B-1353 brackets with bolts onto awning as shown, making sure the M10 bolt is on the top. The awning should have hardware supplied with it. Leave bolts only finger tight, as you should be able to slide the brackets side to side to match the roof brackets 4. Do this for all 3 brackets 5. Make sure the awning will sit as high as possible to clear the roof, you can always lower it down later	TOOLS REQUIRED As required by bolts that come with awning, usually M8 but may be M6. If so 13mm or 10mm spanner
	FASTENERS As supplied with awning

	
6. Fit B-1352 brackets to roof rack as far apart as possible. 7. Ensure they are square to the rack and all at the same height. We suggest starting with as high as they can go so your awning will clear the roof. You can always lower them later if you want the awning to be lower. 8. Torque these bolts up.	TOOLS REQUIRED Depends on fasteners that come with awning
	FASTENERS Supplied with awning



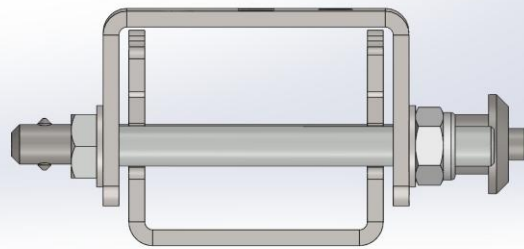
9. Slide the B-1353 brackets apart to match distance of the B-1352 brackets on the roof rack
10. Leave finger tight with the thought that these will fit around each bracket on the roof

TOOLS REQUIRED**FASTENERS**



11. **With the help of another person**, lift the awning up to the brackets and wiggle the loose brackets on the awning side to side until they line up with the ones on the roof rack.
12. You will have to get the bolts to sit in their cradle first then pivot the awning down to its final resting spot.

TOOLS REQUIRED**FASTENERS**



13. This image shows how the brackets should line up (top view)
14. Once you have the awning sitting in place by itself, torque the bolts on the B-1353 (awning side)

TOOLS REQUIRED

**Depends on fasteners
that come with awning**

FASTENERS

Supplied with awning



15. Slide in quick disconnect pins to matching holes at the bottom of the brackets and you're done.
16. The Brackets to come with wire leads if you want to secure them to the rack, but we find it easier just to leave the pins with the awning.
17. To remove just pull the quick release pins and lift the awning off.
18. Re attaching is this step in reverse

TOOLS REQUIRED**FASTENERS**