FITTING INSTRUCTIONS

Part Number: **3750010 / 3750600**

Product: **ROOF RACK MOUNTING KIT**

Suited to vehicle/s: **JEEP WRANGLER JL 2018 ON**

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 component, contact your nearest authorised ARB stockist. Repairs or modifications to the impact absorption system must not be attempted.
- 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

ARB 4x4 ACCESSORIES

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GENERAL CARE AND MAINTENANCE

Max load SAFETY

Your ARB Roof Rack has a maximum carrying capacity of 130kg. This load should not be exceeded and all loads must be tied down securely. If you have a cage with mesh fitted, secure the load to the main framing of the cage as well as the mesh.

It is important to follow the listed usage instructions;
a) Load should be evenly distributed and adequately secured.
b) 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.
c) Regularly check the tightness of the securing clamps and the security of the load.
d) Attention is directed to statutory requirements regarding maximum permissible projections from vehicles.

All bolts should be checked prior to touring to ensure the rack is fastened correctly.

FITTING REQUIREMENTS

REQUIRED TOOLS FOR FITMENT OF PRODUCT:

Metric socket and spanner sets 8-25mm range	**Ø30mm Hole Saw or Step Drill**
Screwdrivers, Philips and Flat blade	**Metric drill set up to 10mm**
Short Body Power Drill	**Marking pen**
Torque Wrench (9-102Nm)	**Stanley knife and scissors**
Half round file	**Wide masking tape**
Metric hex & torx key set	**Non-acetic silicone**

HAVE AVAILABLE THESE SAFETY ITEMS WHEN FITTING PRODUCT:

Protective eyewear 	**Hearing protection** 

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
M10	44Nm	32lbft
M12	77Nm	57lbft

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PARTS LISTING			
APPLICATION.	**PART NO.**	**QTY**	**DESCRIPTION**
FRONT MOUNTING	3752123R 3752123L 4721817 6151321 6151709 6151381 6151359 4584344	1 1 6 6 6 6 6 18	BRACKET FRONT RH BRACKET FRONT LH TUBE CRUSH 12.6 x 17 x 60 NUT FLANGE M10 SCREW BTN HD M10 BOLT M10 x 1.5 x 80 NUT NYLOC M10 WASHER FLAT M10
REAR MOUNTING	4654566R 4654566L 3752122R 3752122L 6582434 6151173 6151443 6151709 6151359 6151342 4584344	1 1 1 1 2 8 8 4 4 2 8	WELD ASSY REAR ROOF RACK RH JL WELD ASSY REAR ROOF RACK LH JL BRKT MNT REAR RH ROOF RACK JL BRKT MNT REAR LH ROOF RACK JL CLAMP FRAME 35 NUT FLANGE M6 SCREW BTN HD M6 SCREW BTN HD M10 NUT NYLOC M10 SCREW 12G 20LG SL WASHER FLAT M10
ROOF RAILS	3752124R/ 3755200R 3752124L/ 3755200L 6151184 4581081 3193522 3193757	1 1 12 12 6 6	BRKT RAIL RH ROOF RACK JL BRKT RAIL LH ROOF RACK JL SCREW M8 x 1.25 x 30 SS WASHER FLAT M8 BOLT PLATE ASSY PLATE SUPPORT RACK
MISCELLANEOUS	5848487	10	PACKER RUBBER GASKET

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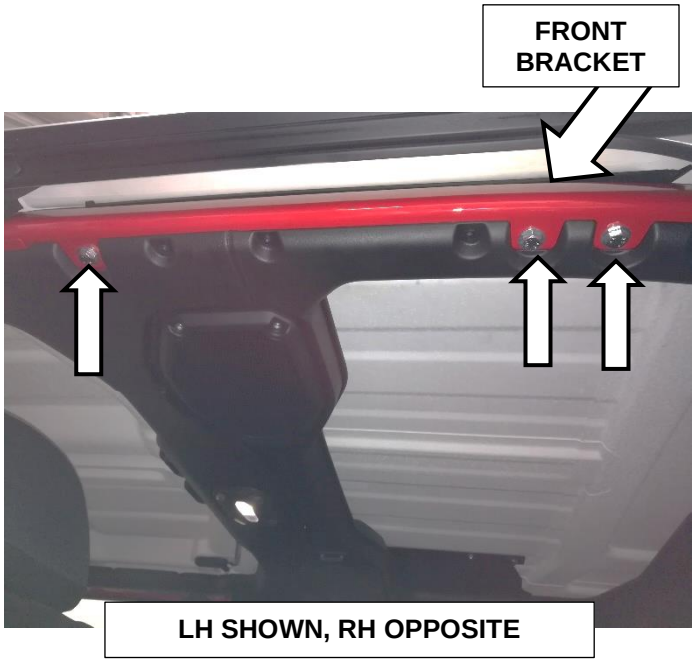
HOLE DRILLING



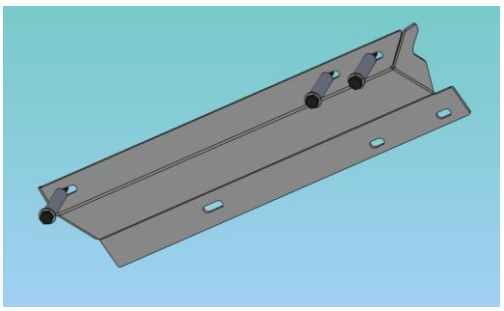
1. Open the rear doors and locate the 2 holes shown within the roll bar of the vehicle above the rear seats.



2. Locate the front hole shown within the roll bar of the vehicle approximately located above front seat head rest.
3. With the help of another person, detach hard top roof from vehicle and set aside along with fasteners.
4. Carefully drop and position 6x crush tubes through the top opening at hole locations specified on both sides in steps 1 & 2.

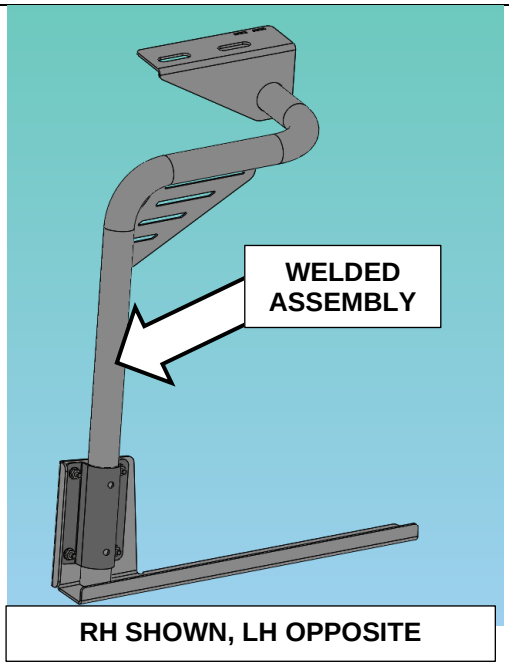


5. With the help of another person, re-position hard top roof to vehicle however do not fully attach as it will be removed again shortly.
6. Fasten front bracket above roll bar as shown using 6x M10x1.5x80mm, 6x M10 flat washers & 6x M10 flange nuts.

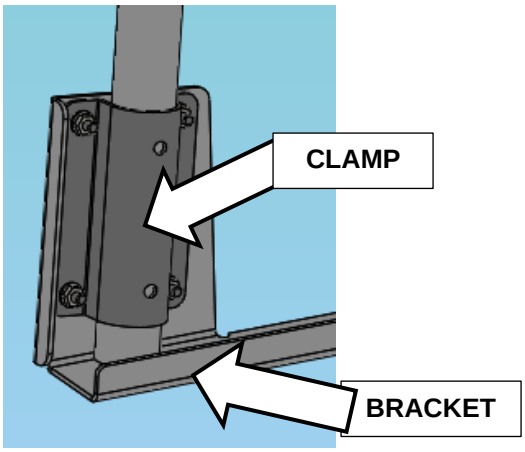


M10 - 44Nm (32lbft)

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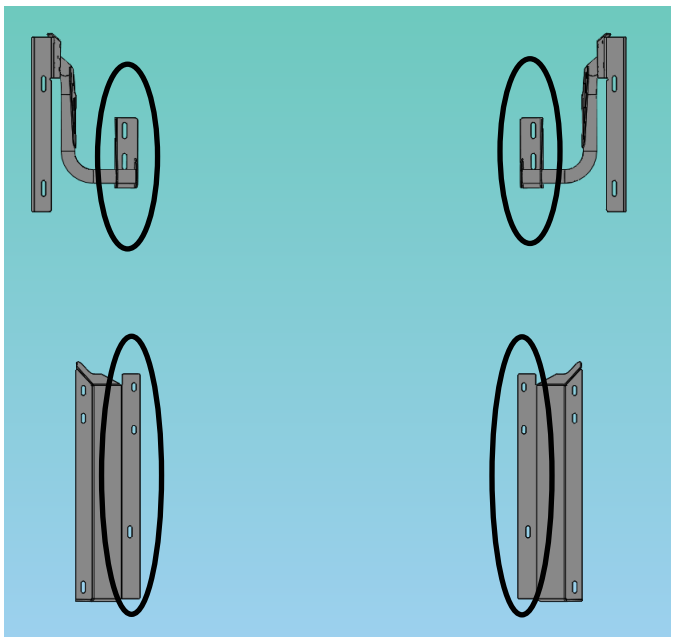


7. Loosely assemble rear mount bracket and welded tube assembly using clamp and M8 hardware supplied in kit.





8. Loosely fasten assembly at rear of vehicle as shown using existing hardware removed in step 3.

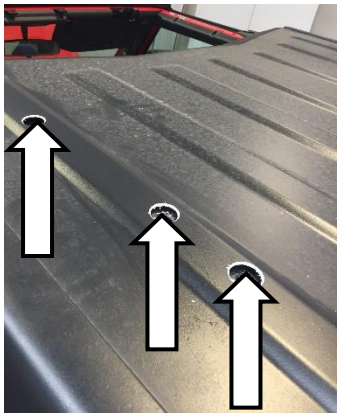


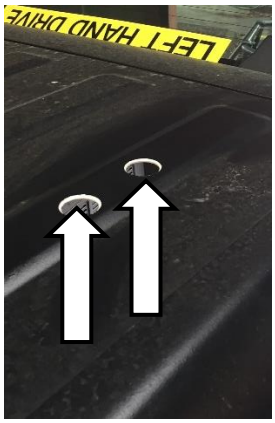
9. Looking upwards, mark 10 centre hole positions onto inside of roof using slots in mount brackets as guides for both front and rear mounts.



REAR **FRONT**

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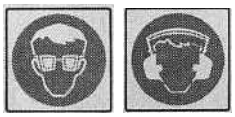


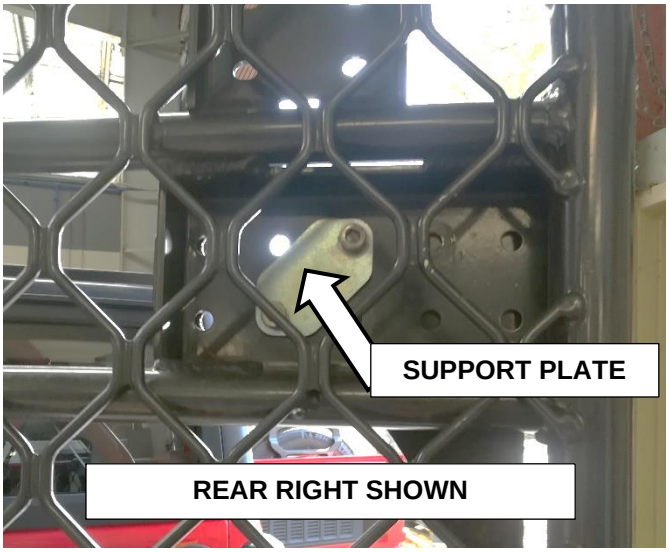
LH SHOWN, RH OPPOSITE

10. Remove roof from vehicle once again and carefully drill 10x 11mm holes at positions marked in previous step using an 11mm drill bit and file away any burs.

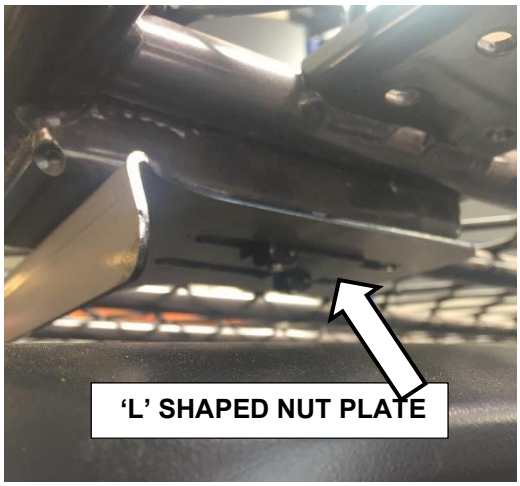
    Note: *You will have to temporarily remove rear mount brackets also.*

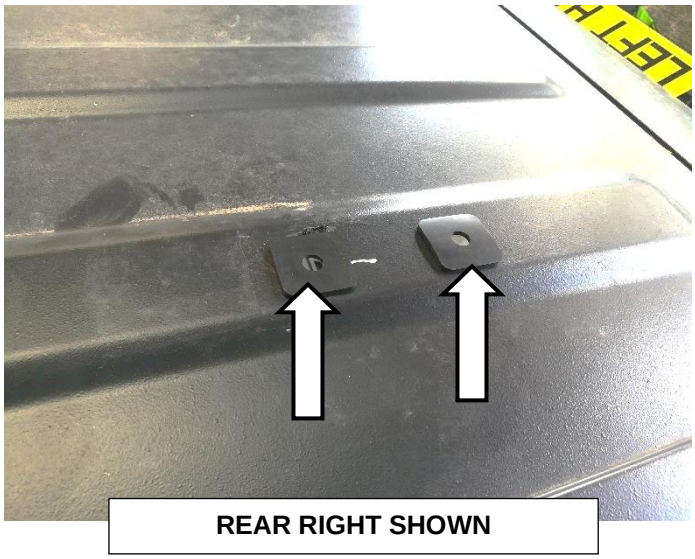
11. Reposition roof as per manufacturers recommendations, re-fit rear mount brackets and assembly.





12. Loosely fasten rack to rails using 12x M8 SS Cap Screws, 12x Flat Washers, 6x nut plates & 6x rack support plates.





13. Position 10x rubber gaskets directly on top of holes drilled in roof and position both rails directly on top of gaskets aligning with slots in rails.
14. Apply a bead of non-acetic silicone to both sides of gasket around bolt hole.

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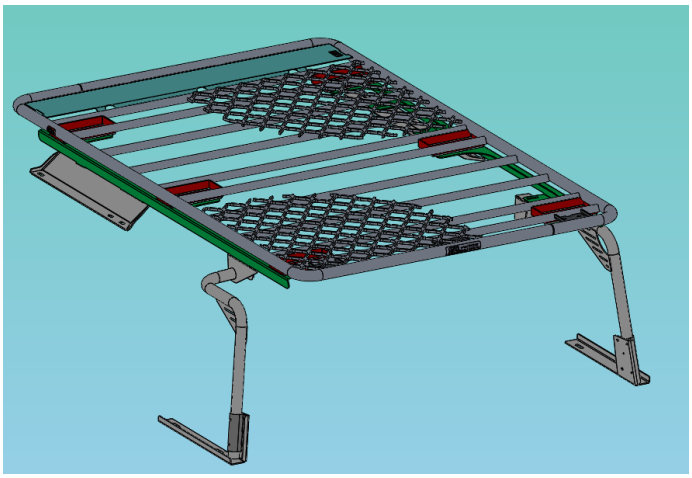
15. Loosely fasten rails (with rack attached) to front and rear brackets using 10x M10 Button Head bolts, 20x M10 flat washers & 10 x M10 Nyloc nuts.

    Note: *Button head bolts located at centre of rack will need to be fed upwards (head inside the cabin).*



16. With all the bolts in place, align the roof rack centrally on the vehicle *and tighten the bolts to specified torque.*

HINT: *When removing your roof rack, due to the cap screws having a Loctite coating on the threads, don't fully remove the first screw before undoing the second one to prevent the nut plate from rotating.*



17. Tighten all fasteners beginning with bracket - vehicle and then proceeding to rails – rack.

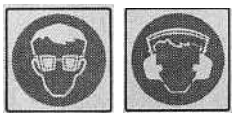
    M8 - 22Nm (16lbft)

    M10 - 44Nm (32lbft)

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18. Drill a 4mm hole into rear mounting tube as shown using 4mm drill bit and repeat on opposite side.
19. Screw 2x 12G self-tapping screws into positions drilled.



FITTED PRODUCT

LOAD TO NOT EXCEED 130kg

RE-TORQUE FASTENERS AFTER 1000kms



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