



UNIVERSAL DUAL CAB UTE TUB RACK

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.
- Do not use this product for any vehicle make or model other than that specified on these instructions.
- Do not remove labels from this product.
- 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.
- **Approx. Install Time 2 Hours**

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 trip or on an annual basis) on the installed product. 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

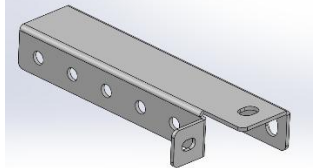
Always use a torque wrench to set correct torque settings. Ensure torque wrench is set to Nm unit of measurement. Otherwise perform conversion to lb-ft.

PARTS LISTING

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

Base Kit Main Parts – In the Box

Qty	Part Number	Description	Image
1	B-0187L	Side Lower - Tub Rack	
1	B-0187R	Side Lower - Tub Rack	
1	B-0180L	Cross Rail Knuckle, Rear - Tub Rack	
1	B-0180R	Cross Rail Knuckle, Rear - Tub Rack	
1	B-0174	Cross Rail, Rear Lower - Tub Rack	
1	B-0175	Cross Rail, Front Lower - Tub Rack	
2	B-0189	Top Rail, Upper- Tub Rack	
2	B-0184	Accessory Rail - Tub Rack	
1	B-0181R	Cross Rail Knuckle, Front- Tub Rack	

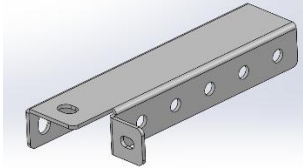
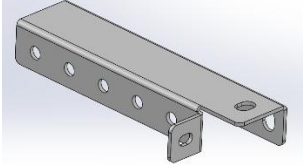
1	B-0181L	Cross Rail Knuckle, Front- Tub Rack	
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Base Kit Small Parts – Contained in Small Parts Kit Bag

Qty	Part Number	Description
58	M8 FLAT WASHER- BLACK ZINC	M8 FW- BLACK ZINC
46	M8 X 20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X20X1.25 BLACK ZP
58	M8 FLANGE NUT	Flange Nut, M8x1.25 G8.8 ZP
8	M10X25 BHCS	SCREW, BUTTON HEAD CAP, M10X25X1.5 GR12.9 ZP
8	M10 Flat Washer	M10 FW
8	M10 FLANGE NUT	Flange Nut, M10x1.5 G8.8 ZP
12	M8 X 45 BHCS BZP	SCREW, BUTTON HEAD CAP, M8X45X1.25 BLACK ZP
1	OFA-LOGO	OFFROAD ANIMAL METAL LOGO

Extension Kit Main Parts – In the Box

Qty	Part Number	Description	Image
1	B-0188L	Side Upper - Tub Rack	
1	B-0188R	Side Upper - Tub Rack	
1	B-0180L	Cross Rail Knuckle, Rear - Tub Rack	
1	B-0180R	Cross Rail Knuckle, Rear - Tub Rack	
1	B-0176	Cross Rail, Rear Upper - Tub Rack	
1	B-0177	Cross Rail, Front Upper - Tub Rack	
2	B-0190	Top Rail, Upper- Tub Rack	
1	B-0182L	Cover Plate, Rear - Tub Rack	
1	B-0182R	Cover Plate, Rear - Tub Rack	
2	B-0183	Cover Plate, Front- Tub Rack	

1	B-0181R	Cross Rail Knuckle, Front- Tub Rack	
1	B-0181L	Cross Rail Knuckle, Front- Tub Rack	

Extension Kit Small Parts – Contained in Small Parts Kit Bag

Qty	Part Number	Description
28	M8 FLAT WASHER- BLACK ZINC	M8 FW- BLACK ZINC
28	M8 X 20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X20X1.25 BLACK ZP
28	M8 FLANGE NUT	Flange Nut, M8x1.25 G8.8 ZP
8	M10X25 BHCS	SCREW, BUTTON HEAD CAP, M10X25X1.5 GR12.9 ZP
8	M10 Flat Washer	M10 FW
8	M10 FLANGE NUT	Flange Nut, M10x1.5 G8.8 ZP

TOOLS REQUIRED

The following tools will be required to install the product.

Hand Tools	Power Tools	Workshop Equipment
Hex (Allen) Key Set 4-8mm Metric Socket Set 8-19mm G Clamps or Vice Grips	Electric Drill 7mm drill bit	Paint pen Permanent Marker

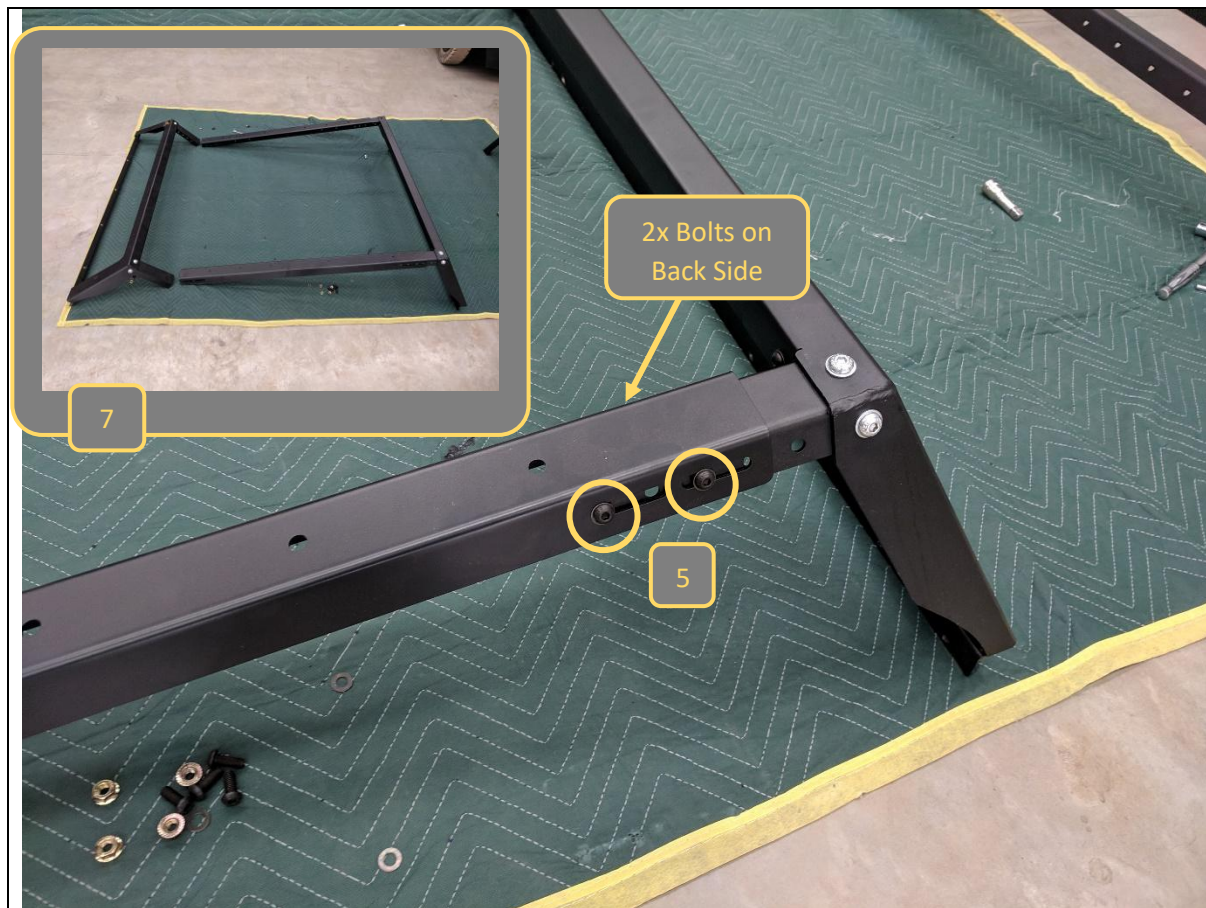
WORKSHOP SAFETY

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.

<p>Hearing Protection</p> 	<p>Always wear ear protection when using power tools.</p>
<p>Eye Protection</p> 	<p>Ensure eye protection is always worn when cutting or drilling.</p>
<p>Manual Handling</p> 	<p>Do not attempt to lift bar assemblies or rock sliders on your own.</p> <p>Always use two people to lift or use mechanical Lifting aid such as hydraulic lifting trolley.</p>
<p>Vehicle Support</p> 	<p>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.</p>



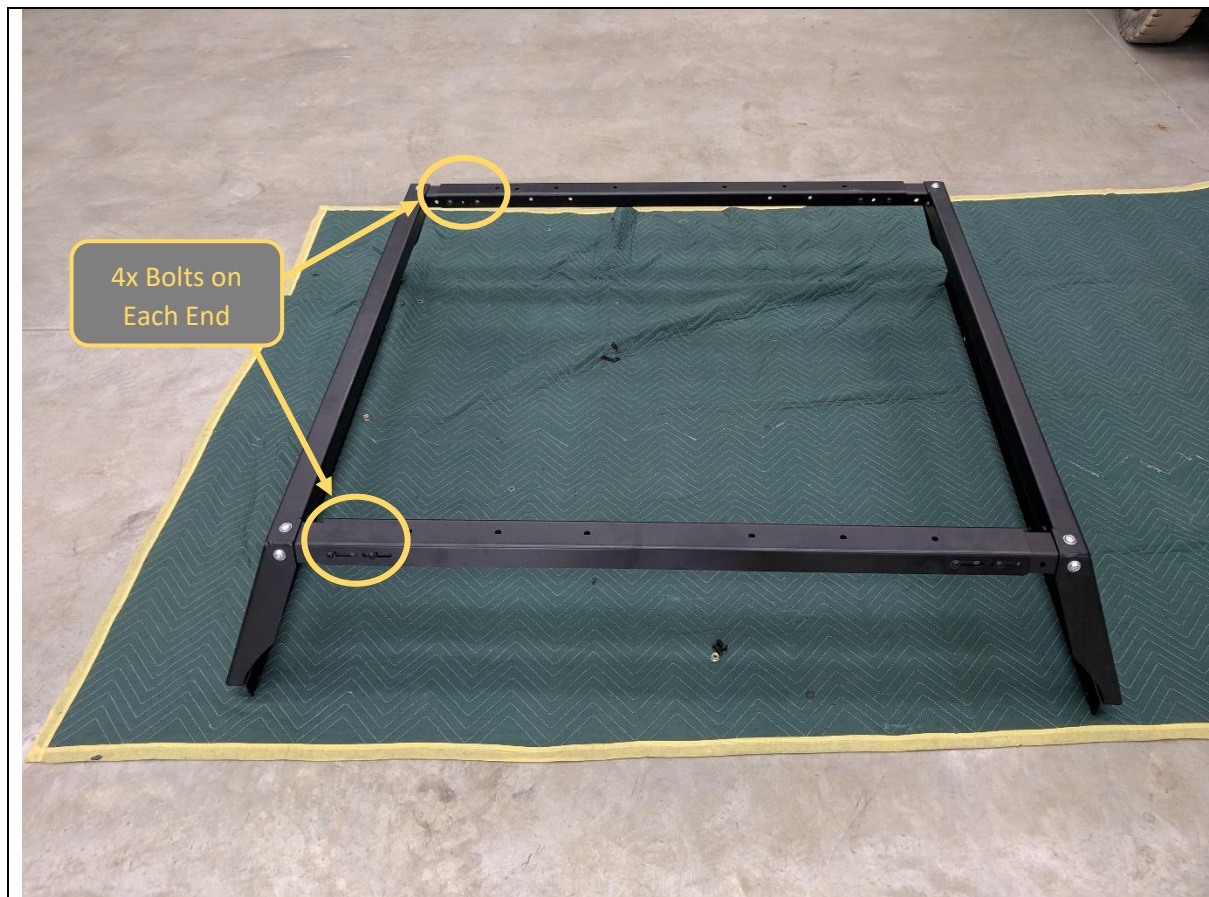
<div>1. Start by assembling the Tub rack on the ground, away from the vehicle.</div> <div>2. Fit the Cross rail knuckles to the side uprights using 2x M10x20 Button head bolt, Flange nut and flat washer. Secure side tab with M8x20 Button head bolt, flat washer and Flange nut.</div> <div>3. Leave all bolts finger tight at this stage.</div> <div>4. Note for Base Kit side tab sits BEHIND SIDE UPRIGHT.</div>	TOOLS REQUIRED
	FASTENERS <div>8x M10x20 Button head bolt</div> <div>8x M10 Flange Nut</div> <div>8x M10 Flat Washer</div> <div>(Total)</div>



5. Fit Cross rails to knuckles on one side using 4x M8x20 Button head bolts, flat washers and flange nuts each. Leave all bolts finger tight
6. Note that Base kit cross rails are LONGER than extension kit cross rails.
7. Prepare to assemble by laying out as shown

TOOLS REQUIRED**FASTENERS**

8x M8x20 Button head bolt
8x M8 Flange Nut
8x M8 Flat Washer



8. Lift up cross bars onto opposite side knuckles. Secure with 8x M8x20 Button Head bolts, Flat washers and flange nuts.

TOOLS REQUIRED**FASTENERS**

8x M8x20 Button head bolt
8x M8 Flange Nut
8x M8 Flat Washer



9. With assistance, Lift the assembled tub rack onto the bed of the ute.

Ensure the side rails are sitting on the top face of the tub and that the rack is sitting as far as possible towards the cab.

TOOLS REQUIRED**FASTENERS**



10. Using vice grips or G clamps, Clamp the side lowers to the to the tub, ensuring that they are sitting tight against both the top and side of the tub.

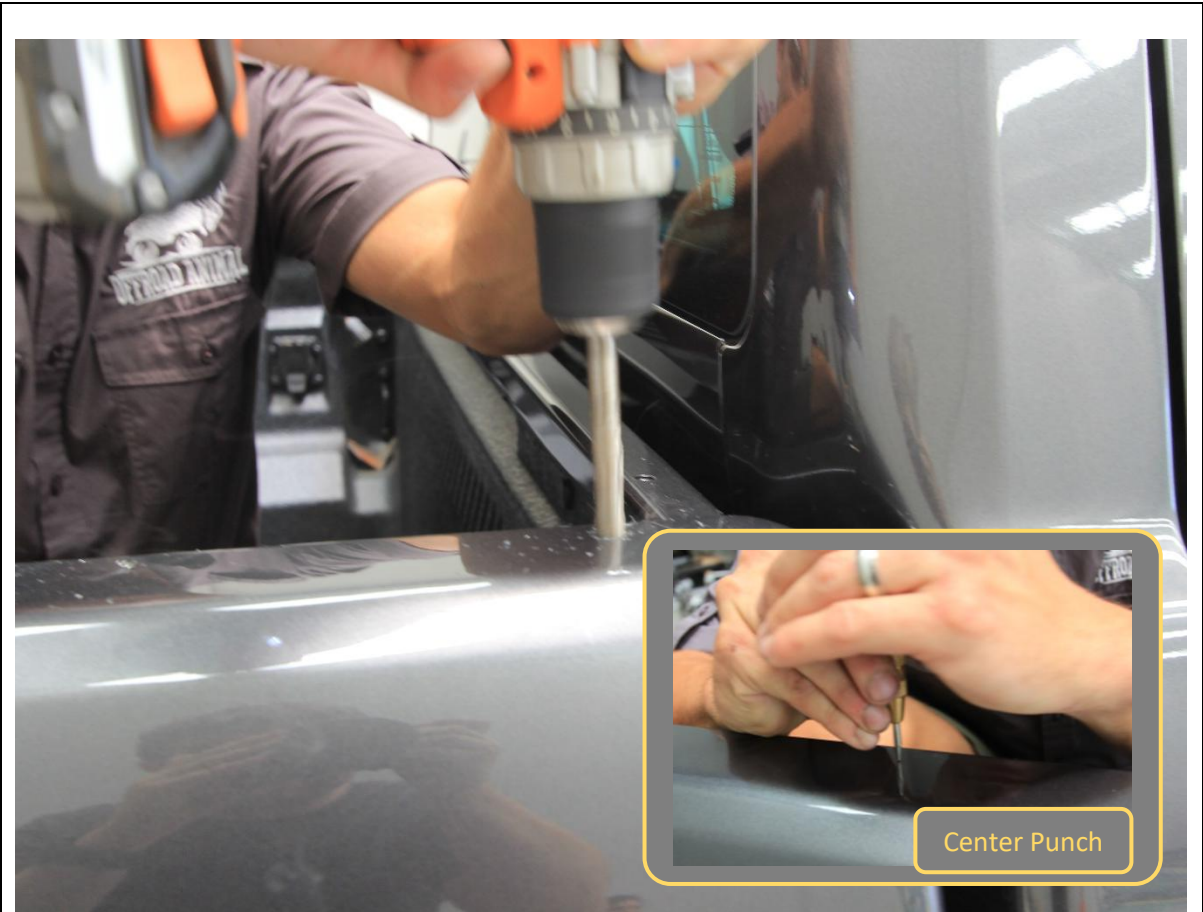
11. Mark Hole locations on tub, using permanent marker or paint pen.

Some hole locations will not be suitable on all vehicles due to design of tub. Use minimum 4x locations in each top and side faces.

TOOLS REQUIRED

G Clamps or Vice Grips
Marker

FASTENERS

	
<div>12. Undo all clamps and with assistance, remove rack from tub.</div> <div>13. Center punch all hole locations.</div> <div>14. Drill 7mm diameter hole through locations marked and punched. On top face ensure hole goes through both layers of tub.</div> <div>15. Paint all exposed edges with paint pen to prevent corrosion.</div>	<div>TOOLS REQUIRED</div> <div>Drill 7mm Drill Bit Center Punch Paint Pen</div>
	<div>FASTENERS</div>



16. With assistance Re-fit tub rack to tub and align with holes drilled.
17. Secure with M8x40 Button head bolts, flat washers and Nyloc Nuts, through top face and M8x20 Button head bolts, flat washers and Nyloc Nuts through the side face.
18. Tighten all bolts, using 5mm Hex key and 13mm spanner

TOOLS REQUIRED

5mm Hex Key
13mm Socket
Extension Bar

FASTENERS

M8x40 Button Head
M8x20 Button Head
M8 Flat Washer
M8 Flange Nut



19. For Ford Ranger owners, fit the Tub brace now.
20. Secure brace to side of tub using Existing T45 Torx Bolts from sports bar.
21. Secure brace to front of tub using supplied M6x16 Button head bolt and large M6 Washer.
22. Secure to side rail of tub and tub rack using M8x20 Button Head bolts, M8 washers and M8 Flange Nuts.

TOOLS REQUIRED

T45 Torx Bit
4mm Hex Key
5mm Hex Key

FASTENERS

T45 Torx Factory Bolts
M6x16 Bolt
Large M6 Washer
2x M8x20 Button Head Bolt
2xM8 Flat Washer
2x M8 Flange Nut

Per Side



<p>23. Tighten all bolts connecting the side lowers to the cross bar knuckles, using 6mm Hex key and 15mm spanner.</p>	<p>TOOLS REQUIRED</p> <p>6mm Hex Key 15mm Spanner</p>
	<p>FASTENERS</p>



<p>24. Align the cross bars, such that they are centered on the vehicle. Compare the gap between the side lower and cross bar and adjust until even on both sides.</p> <p>25. Tighten the cross bars, using 5mm Hex key and 13mm spanner</p> <p>26. Fit the top rails, using 8x M8x20 Button head bolts, Flat washers and Flange nuts. Tighten using 5mm Hex key and 13mm spanner.</p>	<p>TOOLS REQUIRED</p> <p>5mm Hex key 13mm spanner</p>
	<p>FASTENERS</p> <p>8x M8x20 Button head bolt 8x M8 Flange Nut 8x M8 Flat Washer</p>



27. If required fit the accessory rails to the Lower sides of the tub rack, using M8x20 Button head bolts, M8 Flange nuts and flat washers.
28. Fit any accessory holders to the tub rack. Refer to the accessory holder instructions for further information.
29. Attach Offroad Animal Logo plate to the front corner of the lower side piece, using attached adhesive backing.

TOOLS REQUIRED

5mm Hex key
13mm spanner

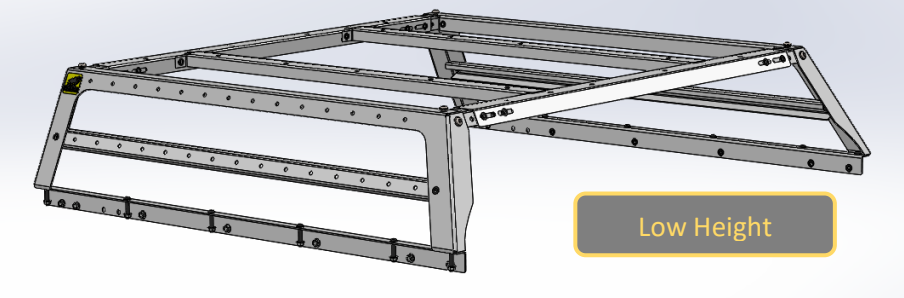
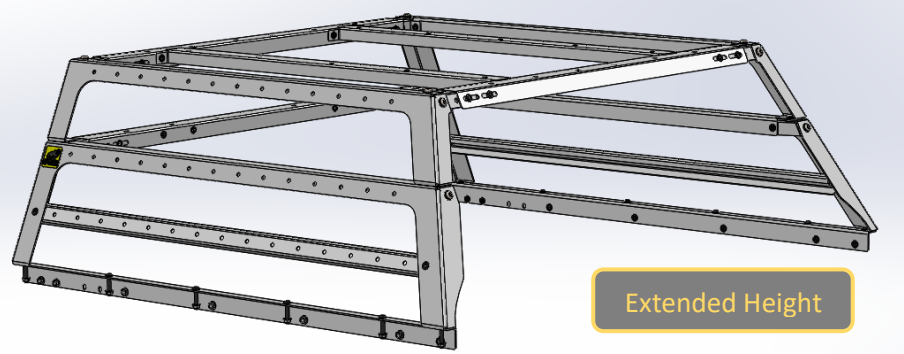
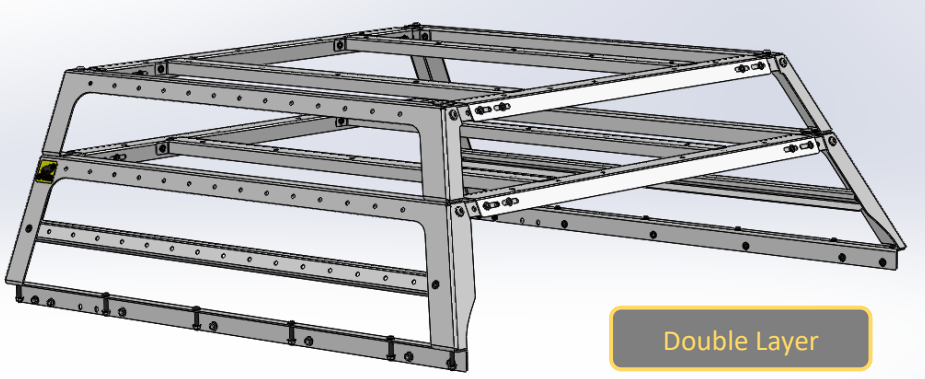
FASTENERS

4x M8x20 Button head bolt
4x M8 Flange Nut
4x M8 Flat Washer



Congratulations!
Head for the tracks and enjoy the versatility of the tub rack on your Ute!

HEIGHT EXTENSION KIT

<div><div>Low Height</div></div> <div><div>Extended Height</div></div> <div><div>Double Layer</div></div>	
<div><div>1. If fitting height extension kit to car that already has base kit installed follow these instructions.</div><div>2. If fitting height extension kit at the same time as base rack, assemble the rack in the desired configuration at beginning, then follow instruction for installation of base rack.</div><div>3. The rack can be run in 3 configurations, Low (Base Rack Only), High (no cross bar in center on back) or Double Layer (Both Base and extension cross bars installed.)</div></div>	TOOLS REQUIRED
	FASTENERS



4. Start by assembling the height extension on the ground, away from the vehicle.
5. Fit the cross rail knuckles to the side uprights using M10x20 Button head bolt, Flange nut and flat washer. Secure side tab with M8x20 Button head bolt, flat washer and Flange nut.
6. Leave all bolts finger tight at this stage.
7. Note for Extension Kit side tab sits IN FRONT OF SIDE UPRIGHT.

TOOLS REQUIRED

6mm Hex key
15mm spanner

FASTENERS

8x M10x20 Button head bolt
8x M10 Flange Nut
8x M10 Flat Washer



8. Fit Cross rails to knuckles using 4x M8x20 Button head bolts, flat washers and flange nuts each. Leave all bolts finger tight.
9. Note that extension kit cross rails are SHORTER than base kit cross rails.

TOOLS REQUIRED

5mm Hex key
13mm spanner

FASTENERS

4x M8x20 Button head bolt
4x M8 Flange Nut
4x M8 Flat Washer



<div>10. Remove top rails, rear cross rail and rear knuckles from Tub rack installed on vehicle.</div> <div>11. Remove M10x20 bolt from top of front knuckles on rack in vehicle.</div>	<div>TOOLS REQUIRED</div> <div>6mm Hex key 15mm spanner</div>
	<div>FASTENERS</div>



12. With Assistance lift the height extension onto the existing base rack.	TOOLS REQUIRED
	FASTENERS



13. Secure height extension to the base kit using 4x M10x20 Button head bolts, flat washers and flange nuts removed earlier. Tighten using 6mm Hex key and 15mm Spanner
14. Fit cover plate to lower upright, using Fasteners removed from Knuckle.

TOOLS REQUIRED

6mm Hex key
15mm spanner

FASTENERS

4x M10x20 Button head bolt
4x M10 Flange Nut
4x M10 Flat Washer



15. Align the cross bars, such that they are centered on the vehicle. Compare the gap between the side lower and cross bar and adjust until even on both sides.
16. Tighten the cross bars, using 5mm Hex key and 13mm spanner
17. Fit the top rails, using 8x M8x20 Button head bolts, Flat washers and Flange nuts.
18. Fit any accessory holders to the tub rack. Refer to the accessory holder instructions for further information.

TOOLS REQUIRED

5mm Hex key
13mm spanner

FASTENERS

8x M8x20 Button head bolt
8x M8 Flange Nut
8x M8 Flat Washer



Congratulations!
Head for the tracks and enjoy the extra space of the tub rack extension on your Ute!