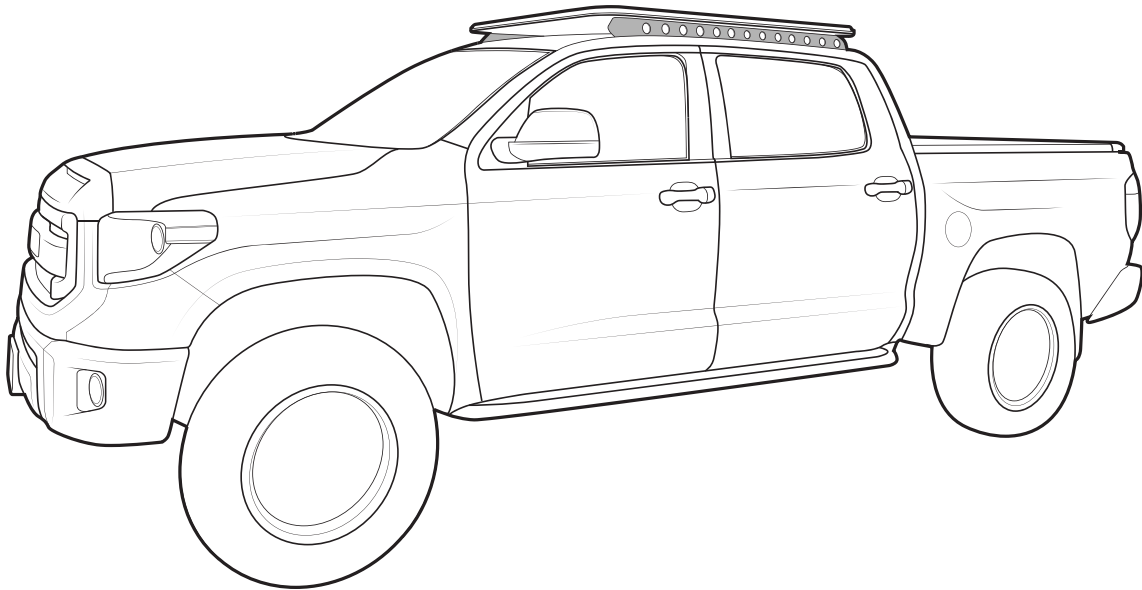


RHINO-RACK

Toyota Tundra Crewmax Backbone - RTTB2

Fit Time: 1 Hour



IMPORTANT INFORMATION

Maximum carrying capacity:

Suitable Pioneers	On Road Cargo Allowance	Off Road Cargo Allowance	Static Allowance	Roof Allowance	Rack Weight
42113B	71.5kg / 158lb	51.5kg / 114lb	331.5kg / 731lb	100kg / 220lbs	28.5kg / 63lb

Roof Allowance: Total permissible weight attached to the roof of the car. This is inclusive of the weight of the roof rack system

Cargo Allowance: Total permissible weight allowed on top, and attached to roof racks whilst the vehicle is in motion

Static Allowance: Total permissible weight allowed on top, and attached to roof racks whilst the vehicle is stationary

Please refer to your vehicle manufacturers handbook for maximum carrying capacity. Always use the lower of the two figures. Load must be evenly distributed over the entire Pioneer. Weight of roof rack accessories is to be included in cargo allowance.

Torque settings

Unless stated otherwise in these instructions, all fasteners should be set to the following torque settings -

M6: 4-5Nm (3-4lbs/ft), M8: 8-10Nm (6-7.5lbs/ft) and M10: 16-18Nm (12-13lbs/ft).

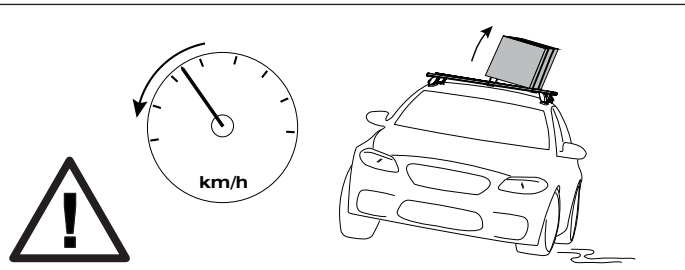
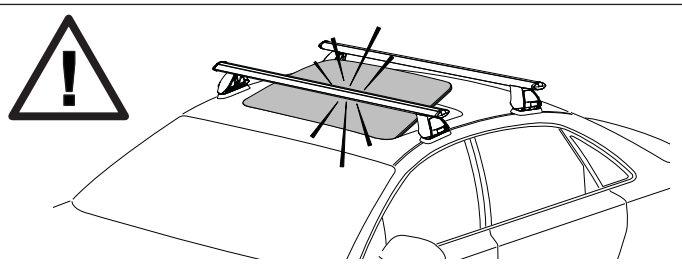
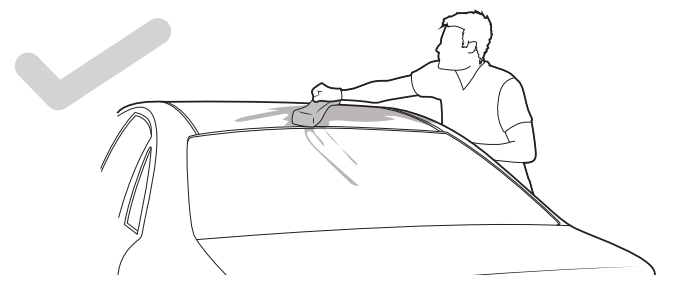
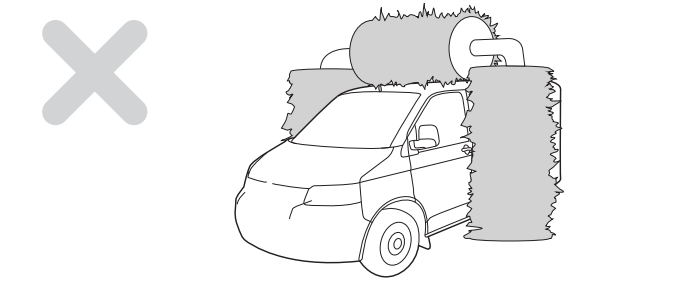
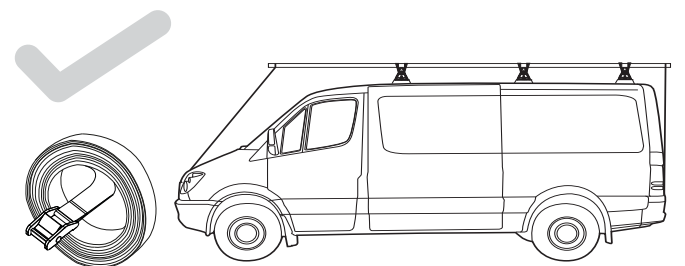
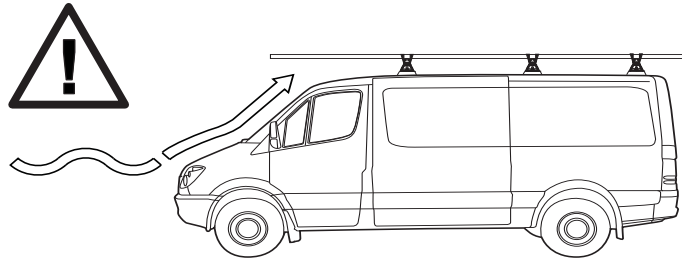
Warning:

- Check Part No. and/ or Kit is correct for use with your vehicle
- Do not attempt to fit the rack system to your vehicle unless you fully understand these fitting instructions. Please direct any questions regarding fitting to the dealer from where the roof racks were purchased.
- **Use only non-stretch fastening ropes or straps.**
- The handling characteristics of the vehicle changes when you transport a load on the roof. For safety reasons we recommend you exercise extreme care when transporting wind-resistant loads. Special consideration must be taken into account when cornering and braking.
- Although the system is tested and approved to AS1235-2000 / ISO 11154, off-road conditions can be much more rigorous. Extreme care must be taken in off road conditions

Recommendations:

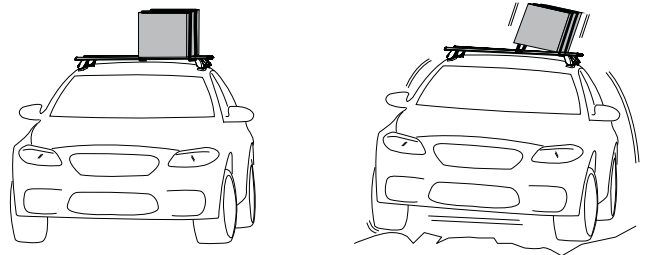
It is essential that all bolt connections be checked after driving a short distance when you first install your roof racks. Bolt connections should be checked again at regular intervals (once a week is enough, depending on road conditions, usage, loads and distances travelled). You should also check the roof racks each time they are re-fitted. Always make sure to fasten your load securely. Please also ensure that all loads are evenly distributed and that the centre of gravity is kept as low as possible and must be entirely contained within the extents of the roof racks.

Toyota Tundra Crewmax Backbone - RTTB2

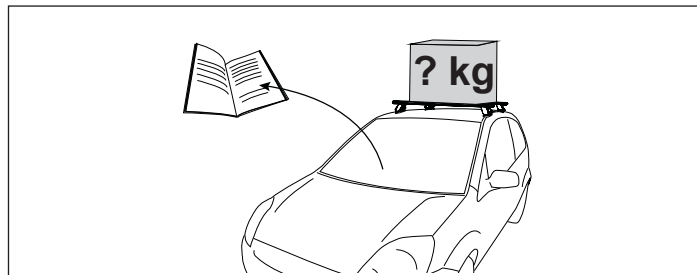
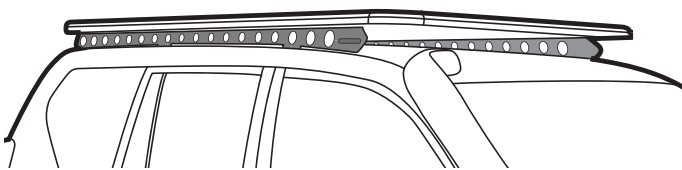


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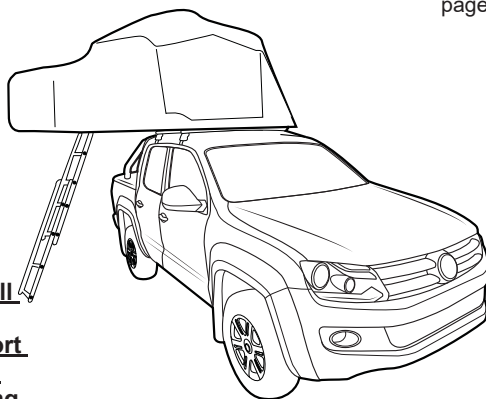


System Weight: 28.5kg

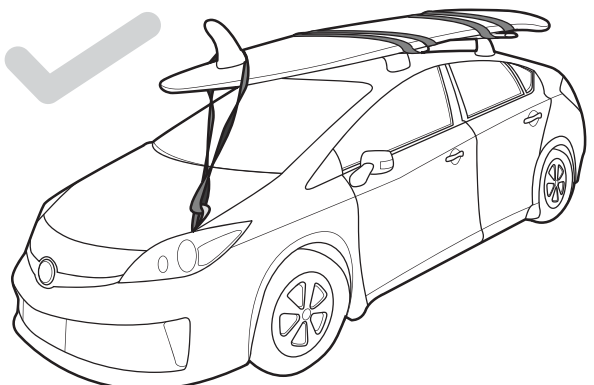


Static Load Rating: refer to front page

Ensure Ladder is well supported on the ground to help support tent. Take extreme caution when climbing heights above 1.2m/4ft.



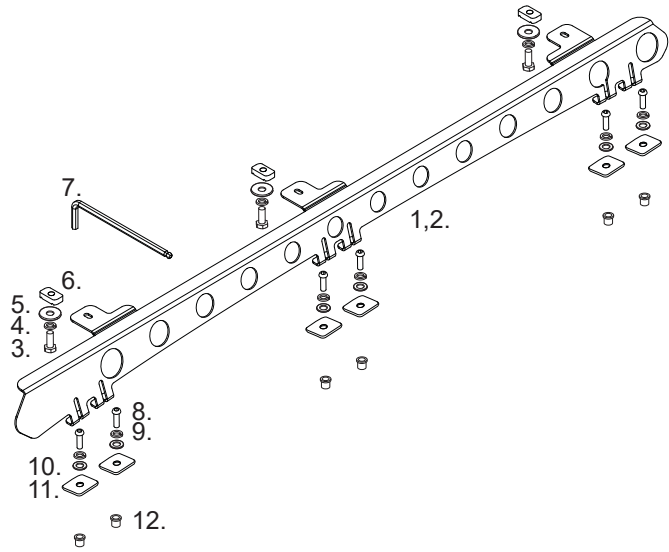
Paddle/ Surfboards should be fixed to the front of the vehicle.



Toyota Tundra Crewmax Backbone - RTTB2

Parts List

Item	RFRB2	Qty	Part No.
1	Tundra Crewmax Backbone LH	1	CA1907
2	Tundra Crewmax Backbone RH	1	CA1908
3	M8 x 20mm Hex Bolt	6	B020-BLK
4	M8 Spring Washer	6	W019-BLK
5	M8 x 24mm Flat Washer	6	W064-BLK
6	M8 Channel Nut	6	N003-BLK
7	Backbone Allen Key	1	H058
8	M6 x 20mm SKT Head Screw	12	B054
9	M6 Spring Washer	12	W004
10	M6 12.5mm Flat Washer	12	W003
11	Butyl Patch 20x20mm	12	CA1266
12	M6 Rivnut	12	N070
13	Butyl Patch 40x25mm	12	CA1260
14	Instructions	1	R1771

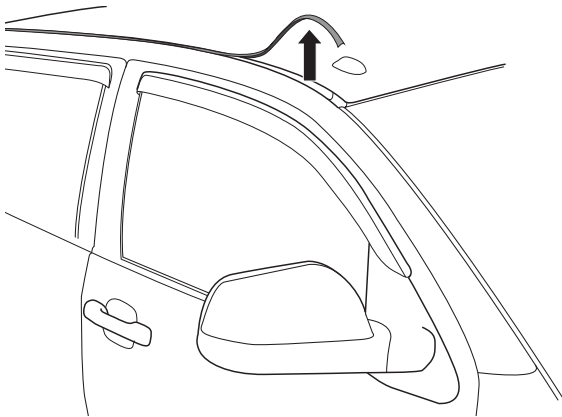


Tools Required

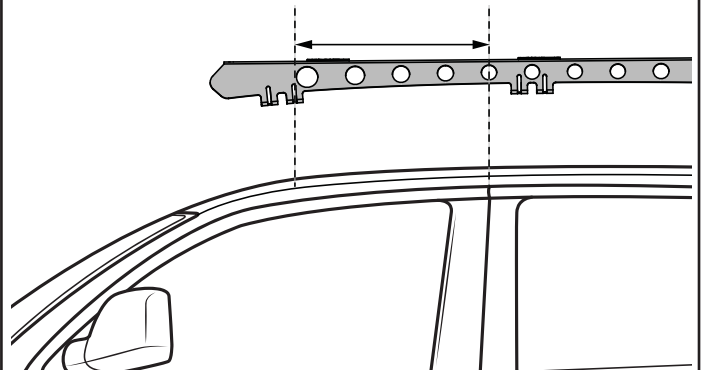
- | | | | | |
|-----------------|------------------------|-----------------------|----------------------|----------------|
| 1. Power Drill | 3. 3mm & 9mm Drill Bit | 5. Marker | 7. Drill Stop | 9. 13mm Wrench |
| 2. Centre Punch | 4. Measuring Tape | 6. Metric Rivnut Tool | 8. Galvanising Paint | |

Instructions

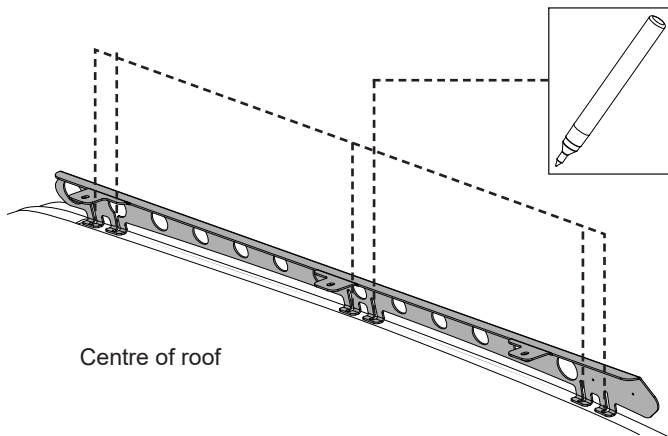
- 1** Remove the rubber covering the roof ditch.
A small section will remain at the rear of the vehicle



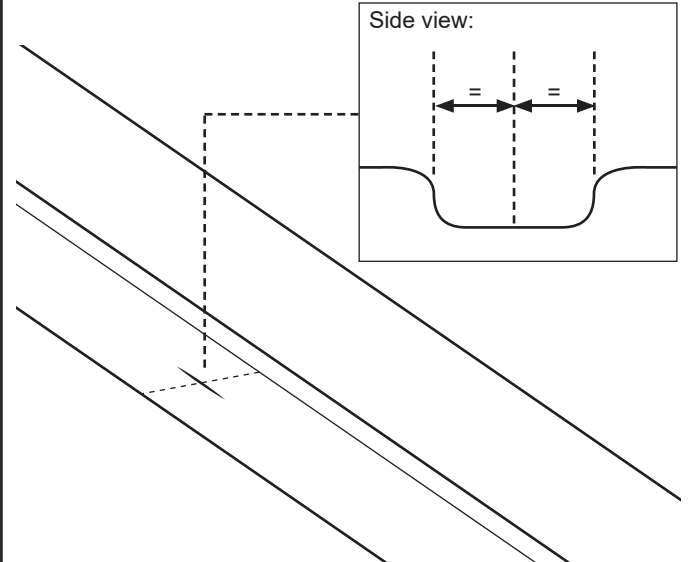
- 2** Place the Backbone into the roof ditch. Line the second slot in the front foot, 250mm (9 13/16") from the door jamb as shown.
250mm (9 13/16")



- 3** Using a marker, create a reference in the ditch through each hole in the feet of the backbone.

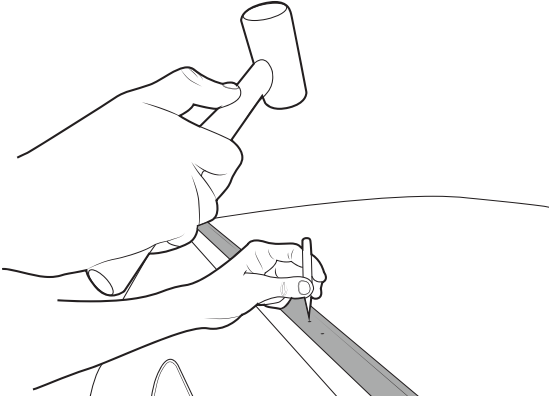


- 4** Remove the backbone. Find the centre of the ditch at each of the references made previous. Re-mark this spot.

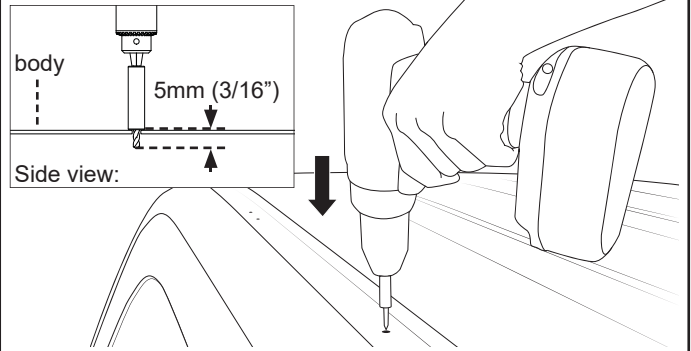


Toyota Tundra Crewmax Backbone - RTTB2

5 Use a hole punch and carefully tap the references made previous. These will be used as a drill guide.

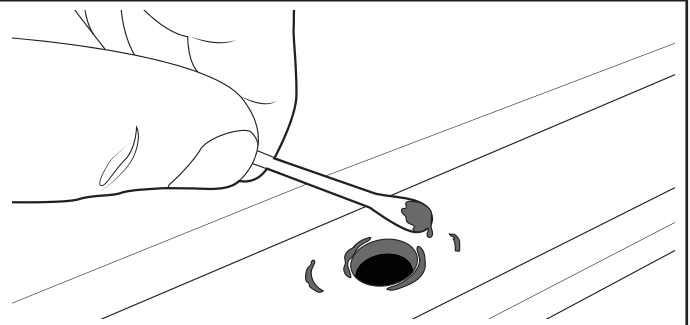
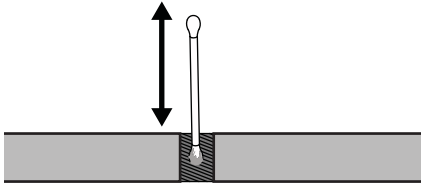


6 Drill a pilot hole with a 3mm (1/8") drill bit. Open out these pilot holes with a 9mm (3/8") drill bit and drill through the body at the references made in step 5. Use a drill stop set to 5mm (3/16").

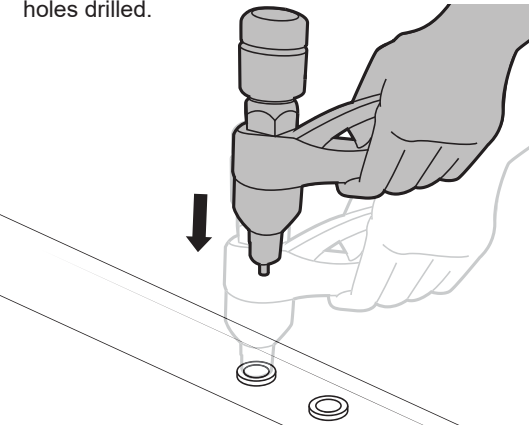


7 Vacuum any swarf from the roof of the vehicle. Using cold galvanising paint, coat any exposed bodywork. Allow 15min to dry (time weather dependent).

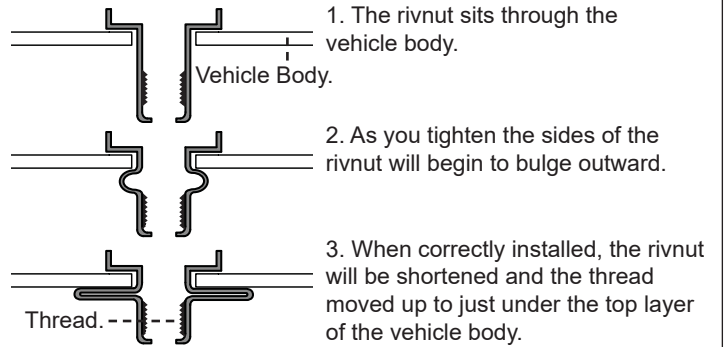
Side View:



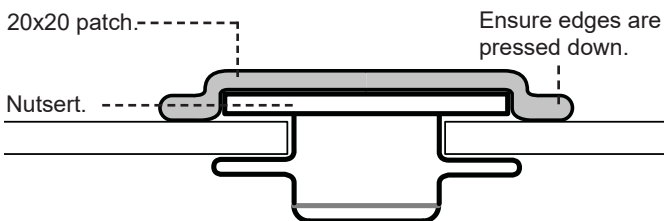
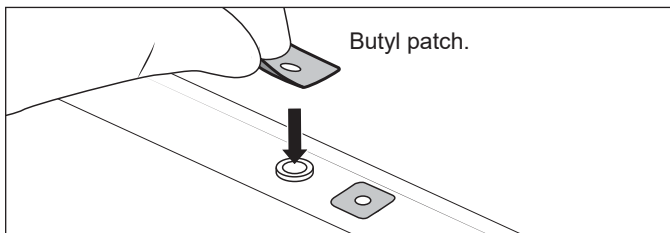
8 Using a rivnut tool, install the M6 rivnuts into each of the holes drilled.



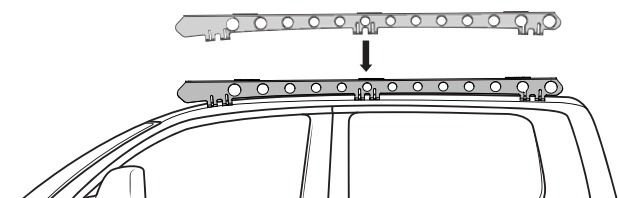
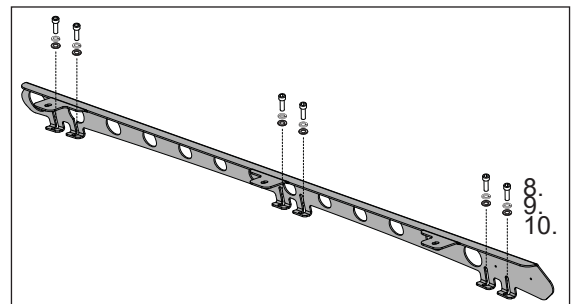
Note the rivnuts will deform as it is correctly fitted. The sides will bulge and grip the top layer of the body. As this occurs the rivnut shortens, bringing the thread higher.



9 1 - Peel one side of the backing tape off the 20mm x 20mm butyl patches and place over the rivnuts. 2: Remove the remaining tape from the patches. **Optional:** Apply Large Butyl over the smaller butyl patch

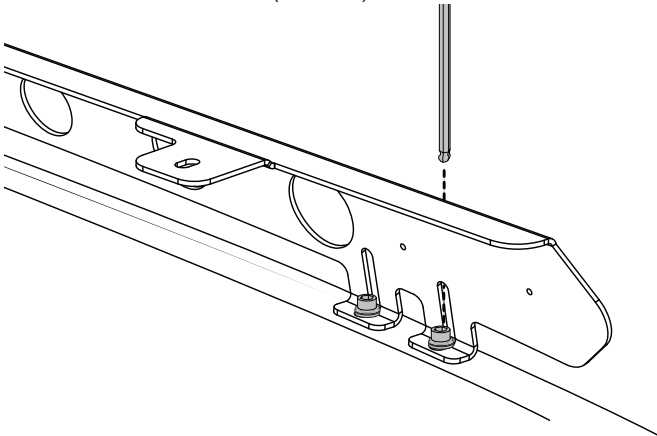


10 Place the M6 hardware into the backbone and then place the assembly onto the roof of the vehicle.

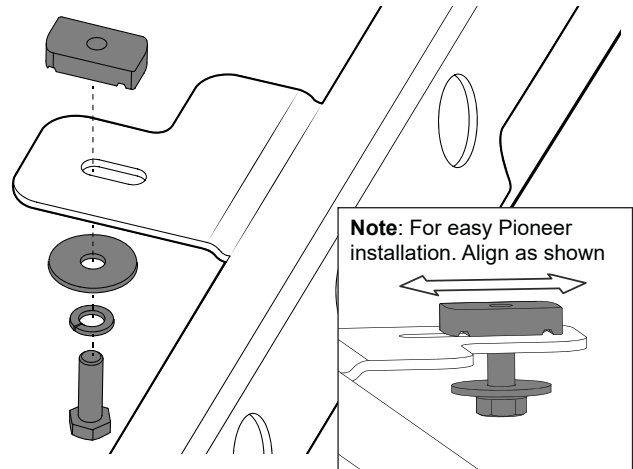


Toyota Tundra Crewmax Backbone - RTTB2

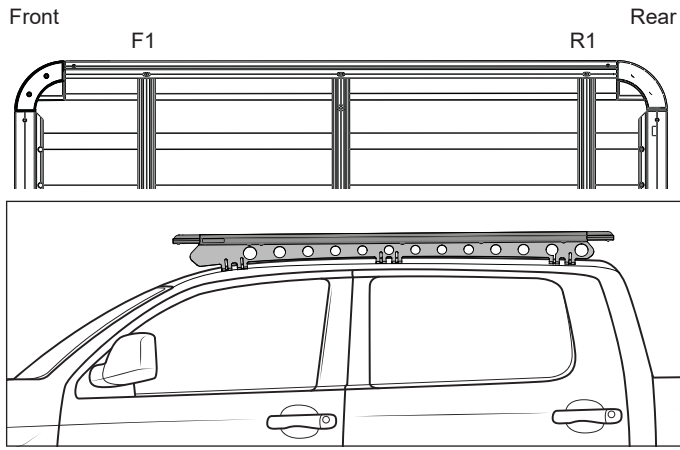
11 Using the ball end allen key provided, tighten the M6 hardware to 4-5Nm (3-4lbs/ft).



12 Assemble M8 hardware as pictured below. Complete this for the six tabs on top of the backbone rails.



13 Install the pioneer underbars with slots indicated (42113). Place onto the roof of the vehicle



14 Once Pioneer underbars have been aligned properly, tighten all M8 hardware using 13mm (17/32") socket wrench or 13mm spanner. Ensure channel nut has rotated within Pioneer underbar and is fixing Pioneer securely. Tighten to 8-10Nm (6-7lbs/ft).

