# RHINO-RACK

SX053

Important:	
☐	1. Please refer to your fitting instruction to ensure that the roof racks are installed in the correct locations.
☐	2. Check the contents of kit before commencing fitment and report any discrepancies.
☐	3. Place these instructions in the vehicle's glove box after installation is complete.
☐	4. These instructions must be followed for warranty to be upheld.
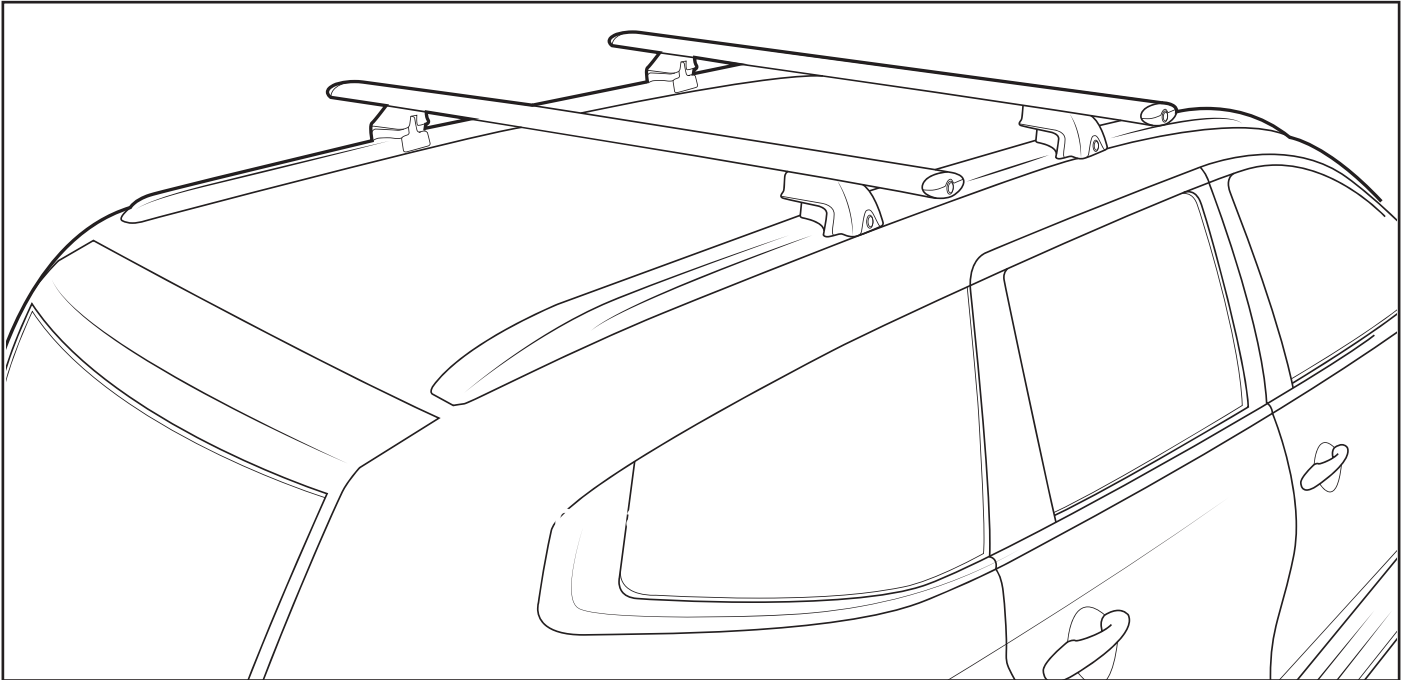
Maximum carrying capacity: 80kg (176lbs) evenly distributed over crossbars.

On Road Cargo Allowance	Off Road Cargo Allowance	Roof Allowance	Rack Weight
75kg / 165lb	50kg / 110lbs	80kg / 176lbs	5kg / 11lb

Advisory:
It is essential that all bolt connections be checked after 48hrs from when you first install your crossbars. Bolt connections should be checked again at regular intervals (probably once a week is enough, depending on road conditions, usage, loads and distances travelled). You should also check the crossbars each time they are refitted. Make sure to fasten your load securely (see page 2 for advisory diagrams). Please ensure that all loads are evenly distributed and that the centre of gravity is kept as low as possible.

Caution:
- 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. **Please remove crossbars when putting vehicle through an automatic car wash.**
- In heavy winds and high vehicle speeds, increased wind noise may be experienced within the cabin. Roof racks are designed to be quickly and easily removed should the noise level become annoying.
- When fitting to vehicle with moonroof, the roof bars have approximately 10mm clearance. After loading up your roof bars always check the moonroof has clearance during operation. If not, remove crossbars.
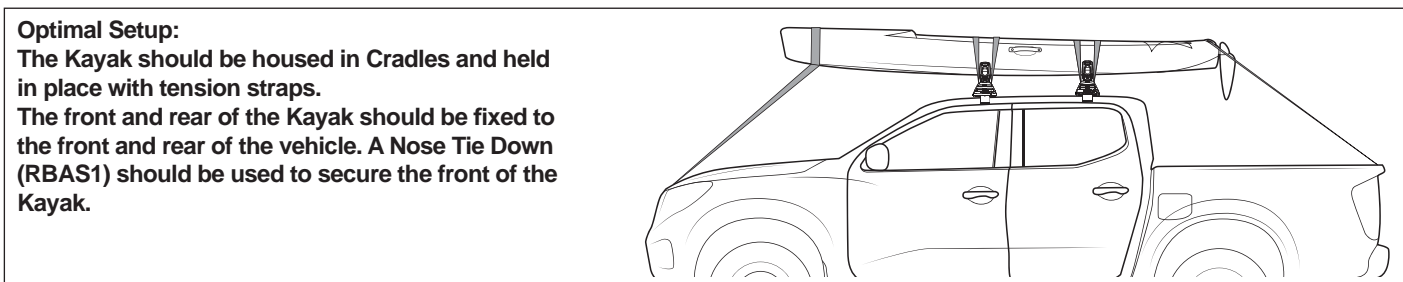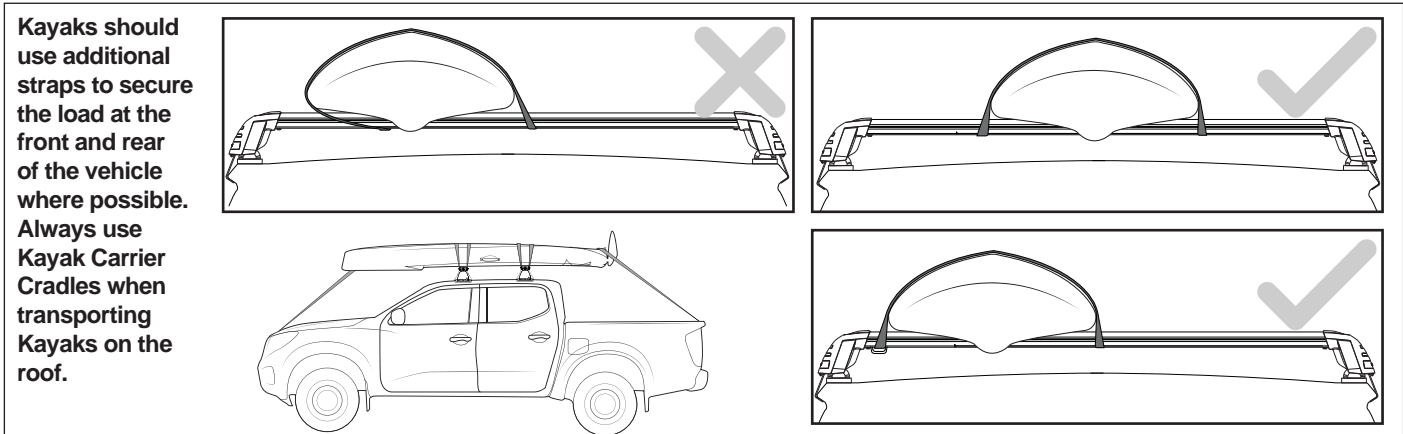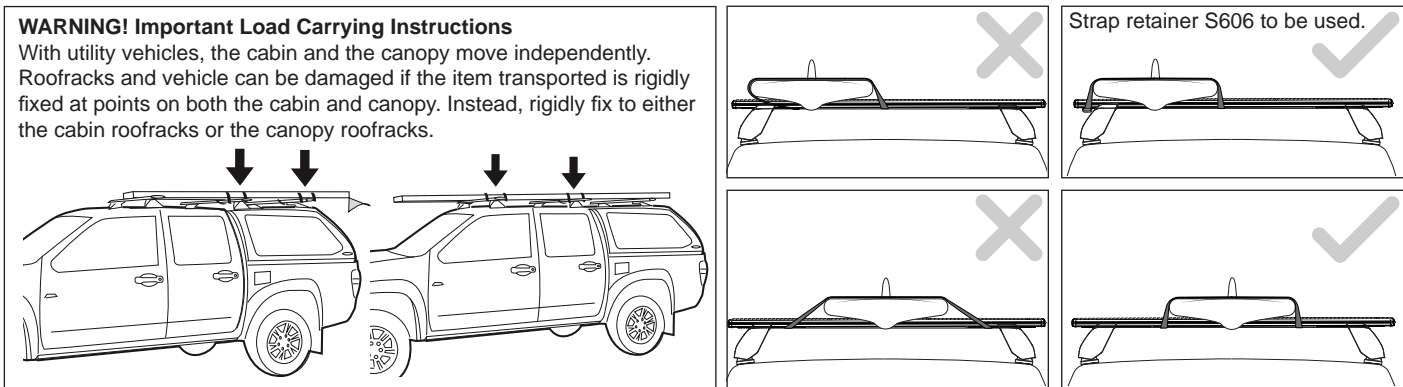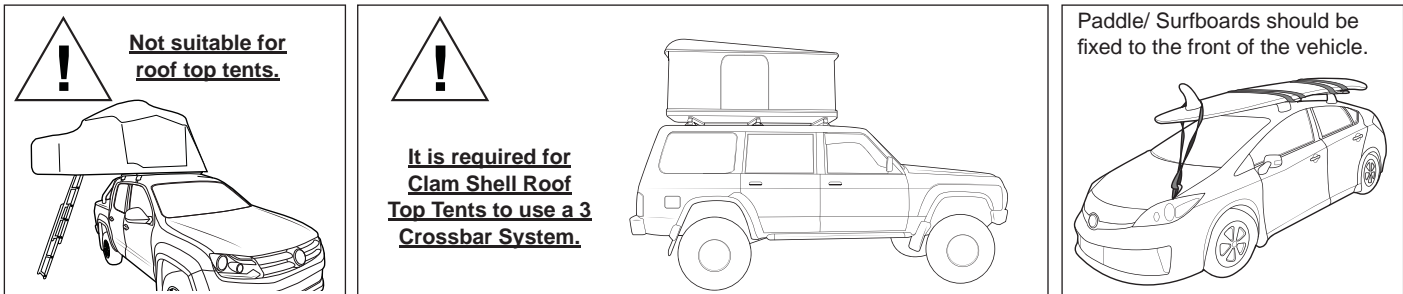
SX053

Not suitable for roof top tents.

It is required for Clam Shell Roof Top Tents to use a 3 Crossbar System.

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

WARNING! Important Load Carrying Instructions
With utility vehicles, the cabin and the canopy move independently. Roofracks and vehicle can be damaged if the item transported is rigidly fixed at points on both the cabin and canopy. Instead, rigidly fix to either the cabin roofracks or the canopy roofracks.

Strap retainer S606 to be used.

Kayaks should use additional straps to secure the load at the front and rear of the vehicle where possible. Always use Kayak Carrier Cradles when transporting Kayaks on the roof.

Optimal Setup:
The Kayak should be housed in Cradles and held in place with tension straps.
The front and rear of the Kayak should be fixed to the front and rear of the vehicle. A Nose Tie Down (RBAS1) should be used to secure the front of the Kayak.
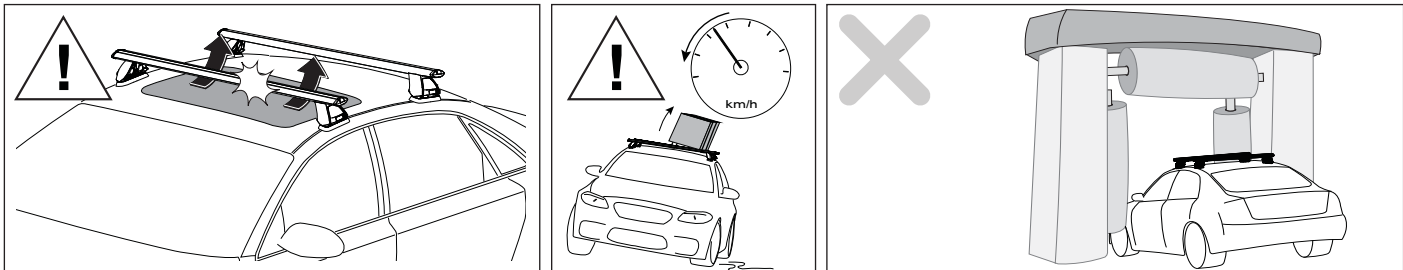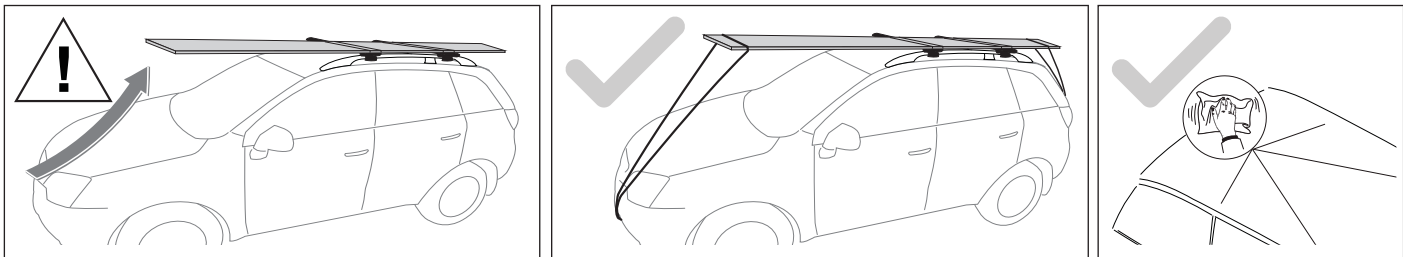
SX053

Item	Component Name	Qty	Part No.
1	Leg Unit	4	CA1600
2	Rubber Insert	4	M822
3	Clamp Assembly	4	CA1571
4	Outer Clamp	4	CA1579
5	Dowel Nut	4	N071
6	Adjusment Rod	4	B212/M714
7	Metal Key	2	CA1339
8	Instructions	1	R903

Tools Required: Tape measure.
Scissors. Knife.

Important*: Crossbars are sold as separate. Various lengths available depending on vehicle.

1.

2.

3.

4.

6.   **5.**
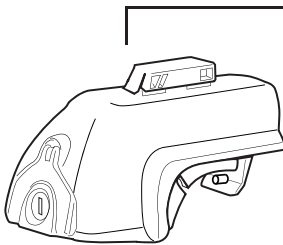
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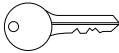
NOTE: Items 2 - 7 are pre-installed on legs
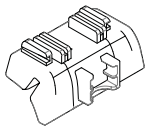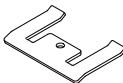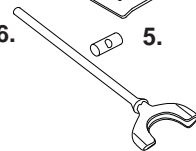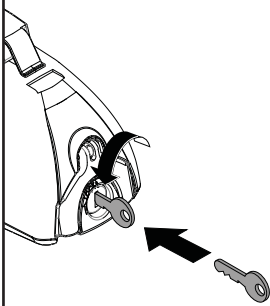
Instructions

1

1: Insert Vortex Rubber into Crossbars. 2: Unlock and loosen the Leg to prepare it for installation. 3: Install legs.
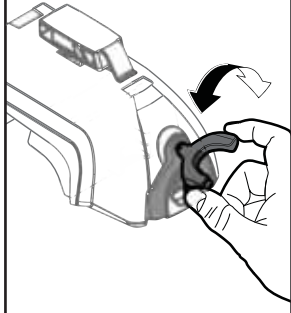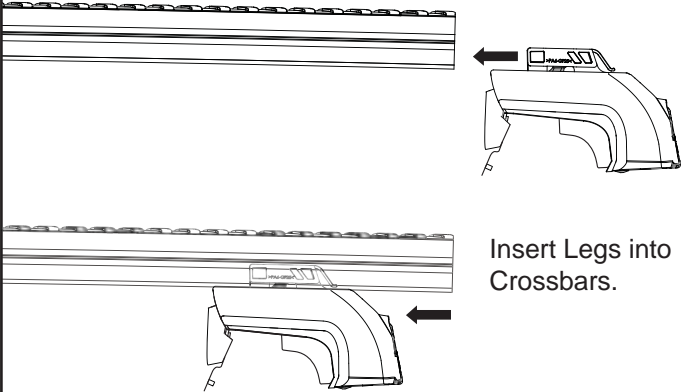
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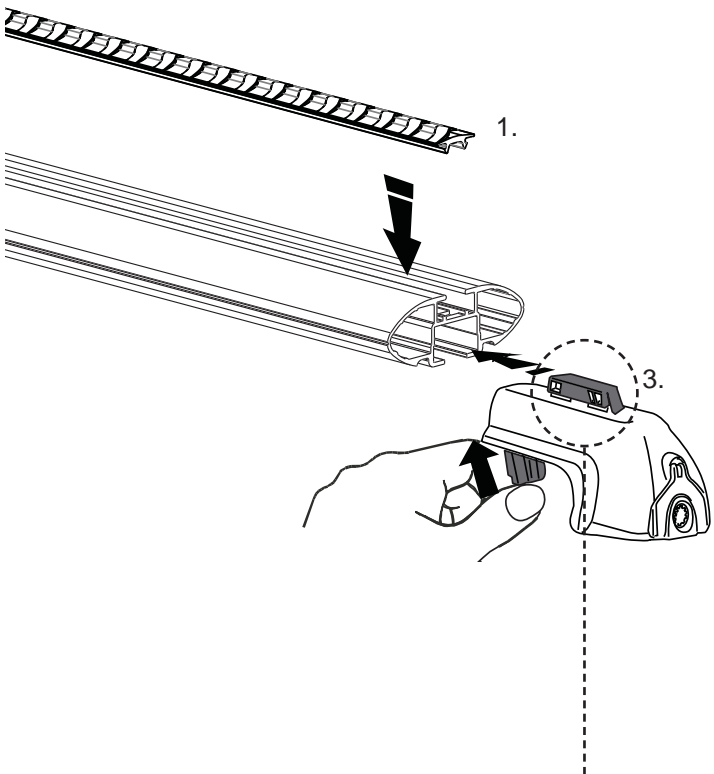
Note: Carefully cut rubber if required.
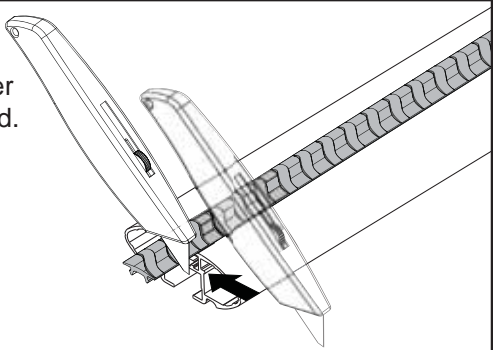
2: Unlock the unit as shown. Note: Metal Key shown.
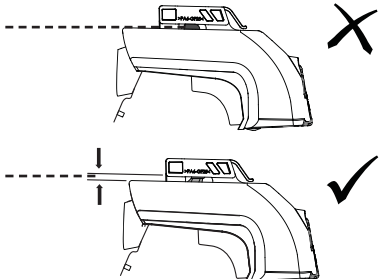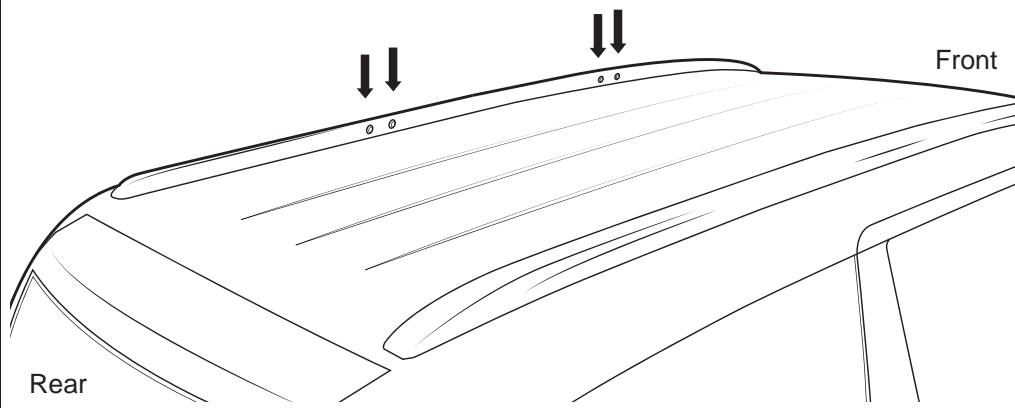
losen the Clamp as required to insert into Crossbar.

3.

Insert Legs into Crossbars.

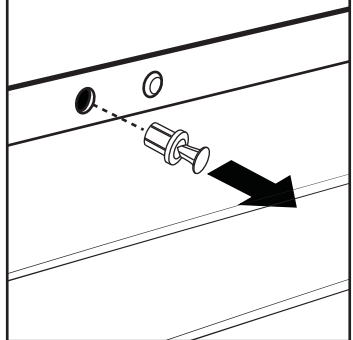Make sure Metal Clamp Upper is pushed up into housing before inserting into Crossbar.

SX053

2 Carefully remove either of the two caps, front and rear. A Flat Head Screwdriver can be used to assist, use care as to not damage paintwork.

Front

Rear

Carefully remove one cap front and rear. Store in a safe place.

3 Place the front and rear crossbars onto the vehicle. The Pins on each Leg will fit into the cavity left by the Caps removed in step 2.
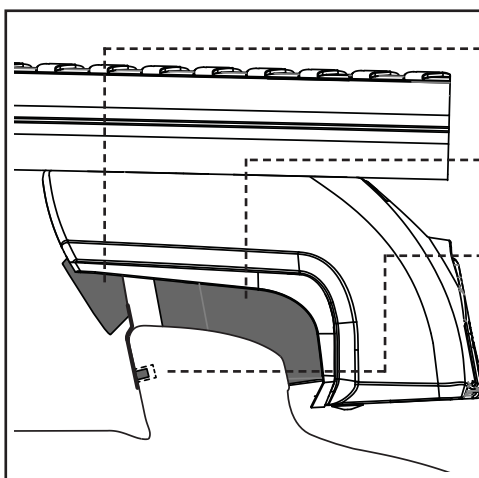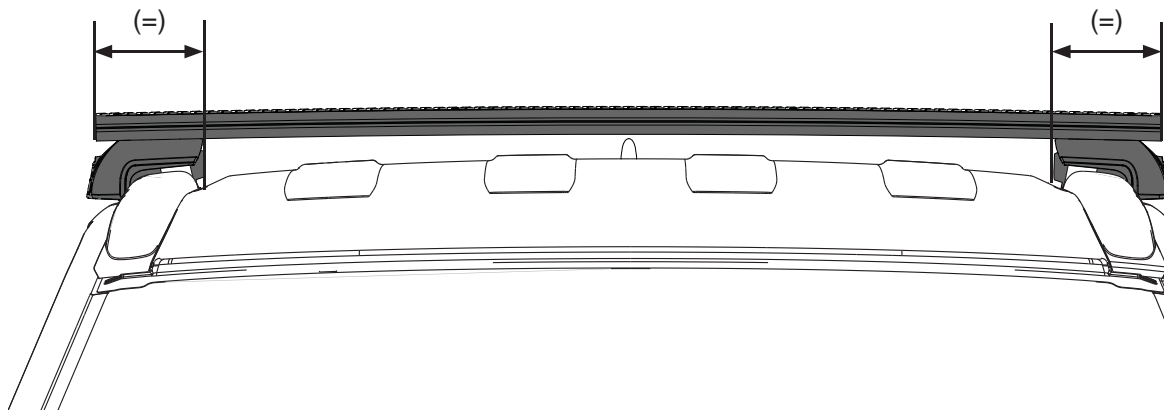
Be sure the Leg is sitting snug with the factory rail as shown.

The Rubber Pad should sit flush with the top of the rail.

The Clamp should be gripping the rear of the rail as shown and the Pin seated on the Rail Cavity.
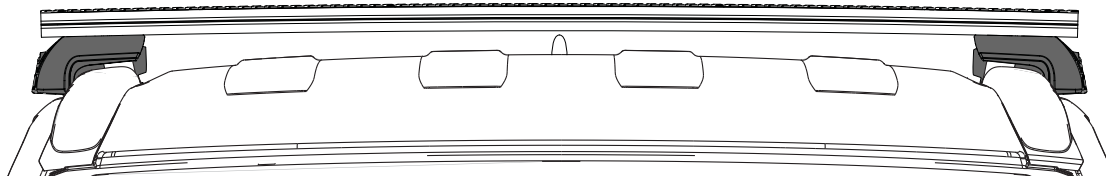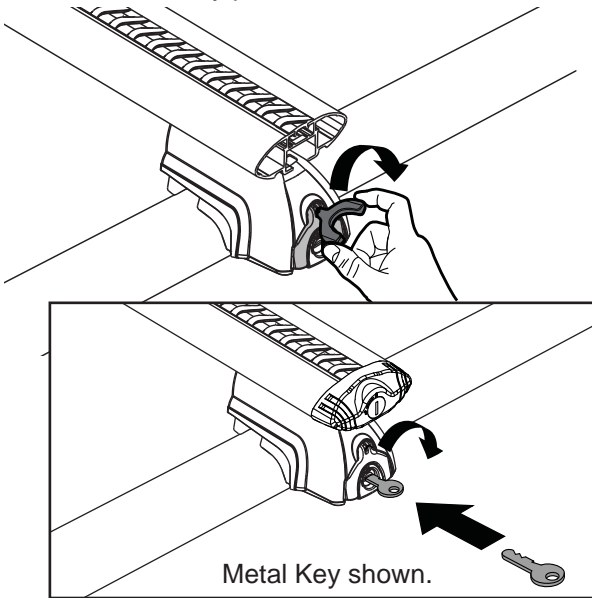
4 Measure from the end of the crossbar to the rear of the Leg on both sides. Adjust so both measurements are even.
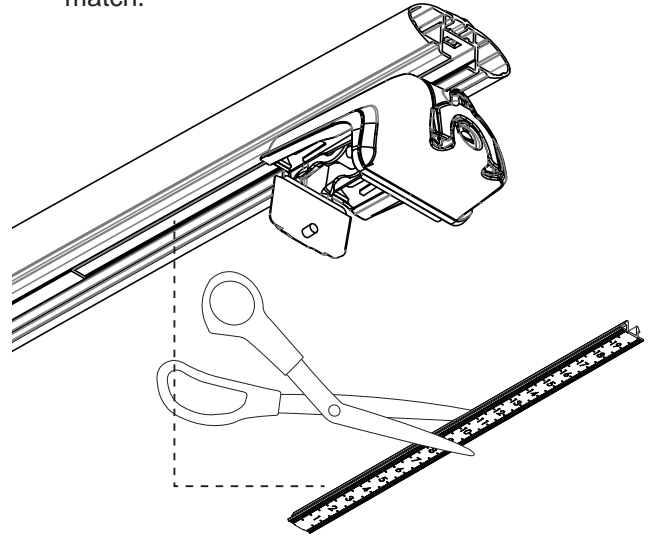
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SX053

4 Tighten the Legs to 5Nm in place. Lock the Leg with Metal Key provided.
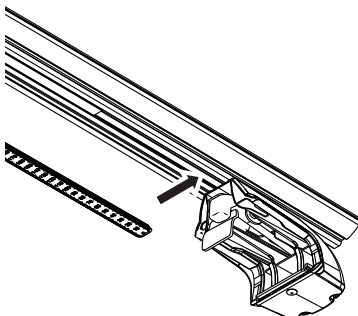
Metal Key shown.

**5** Measure the gap on the underside of the Crossbars. Accurately cut the underbar strips to match.

6 With the Underbar Strips cut to the required lengths, install them into the Crossbars. 1: Slide one end into the place behind the Leg. 2: Push the Underbar Strip up and into place along its length. 3: Be sure Strip is secure.
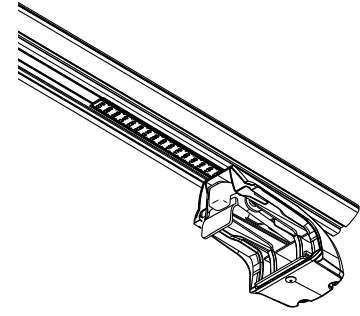
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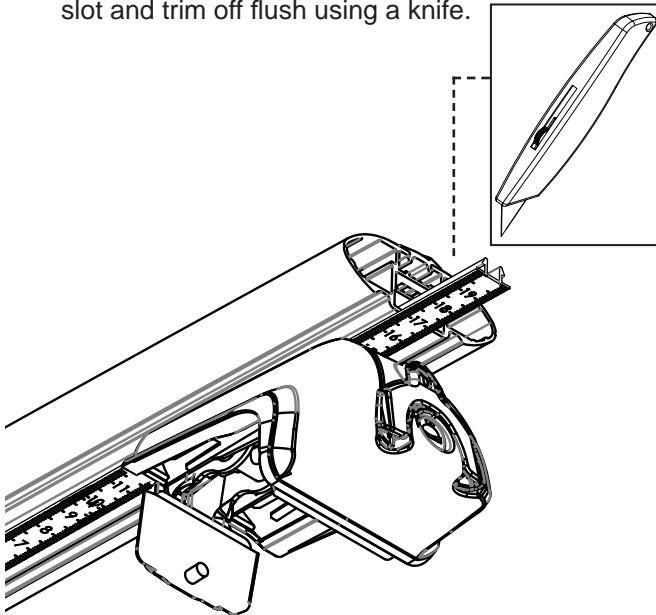Slide one end of the Underbar strip in behind the Leg as shown.

2:
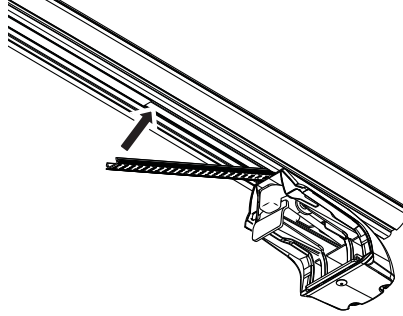
3: Be sure the strip is fully located along its length.

7 Slide in remaining underbar strip into the outer slot and trim off flush using a knife.

8 Insert end caps. Lock and remove key.

Be sure all fittings are secure before use.