

**MAX VEHICLE ROOF LOAD RATING: 100 KG**

**TOTAL LOAD EQUALS WEIGHT OF ROOF RACKS + ACCESSORIES + CARGO**

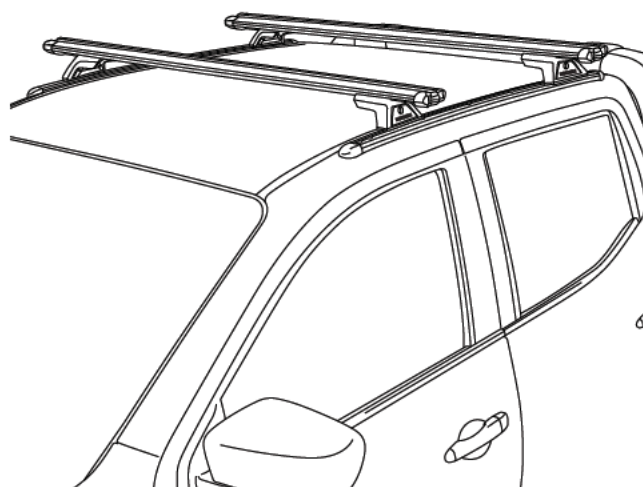
### FIRST TIME INSTALLATION

- Please read instructions carefully before installation.
- Check the contents of kit. Contact your YAKIMA dealer if any parts appear missing or damaged.
- Clean your roof thoroughly prior to fitting the LockNLoad Track Heavy Duty Roof Rack System.
- Place these instructions in the vehicle's glove box after installation is complete.



#### TOOLS REQUIRED:

- 10 mm Open Ended Spanner
- 13 mm Socket or Spanner
- Ø4-5 mm Centre Punch
- Ø4-5 mm Pin Punch tool
- Power or Cordless Drill
- Vacuum Cleaner
- Mastic Silicone Sealant
- Rubber Mallet (Optional)
- #2 Phillips Head Screwdriver
- Zinc Rich Cold Galvanising Coating
- Marking Pen
- Tape Measure
- Masking Tape
- Rivet Gun
- Scissors
- 4 mm Drill Stop
- Cardboard Strips

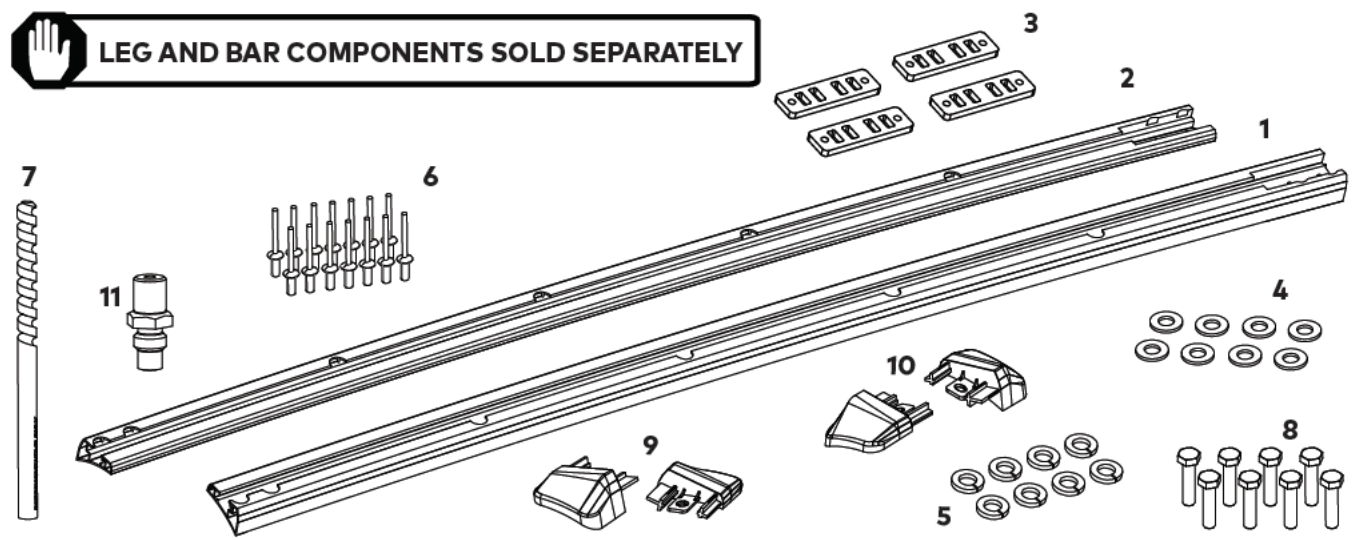


### KIT CONTENTS

ITEM	COMPONENT	QTY	ITEM	COMPONENT	QTY
1.	Track Nissan Navara Left Hand Side	x1	7.	Ø4.9 mm Drill Bit	x1
2.	Track Nissan Navara Right Hand Side	x1	8.	M6 Hex Screw	x8
3.	Track Nut Plate	x4	9.	End Cap Front Left & Rear Right	x2
4.	M6 Washer	x8	10.	End Cap Front Right & Rear Left	x2
5.	M6 Spring Washer	x8	11.	Rivet Gun Nozzle	x1
6.	Ø4.8 mm Rivet	x16			



#### LEG AND BAR COMPONENTS SOLD SEPARATELY

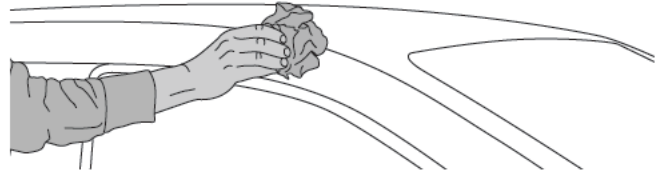


# TRACK INSTALLATION

**1**

## BEFORE BEGINNING INSTALLATION

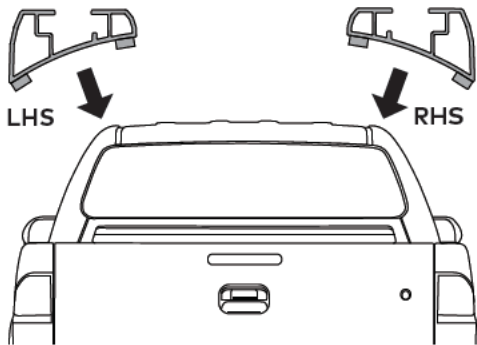
Clean roof thoroughly and allow to dry before beginning installation.



**2**

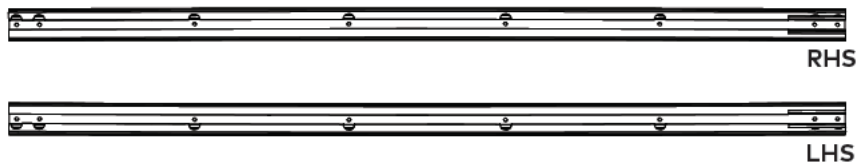
## TRACK ORIENTATION

Identify Left Hand Side (LHS) and Right Hand Side (RHS) Tracks as shown below.



**FRONT**

**REAR**

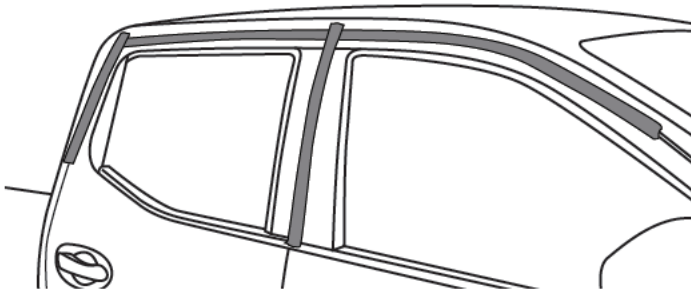


**NOTE** - The front of the tracks are to be positioned with the front of the vehicle.

**3**

## APPLY MASKING TAPE

Apply lengths of Masking Tape along window and door seals.

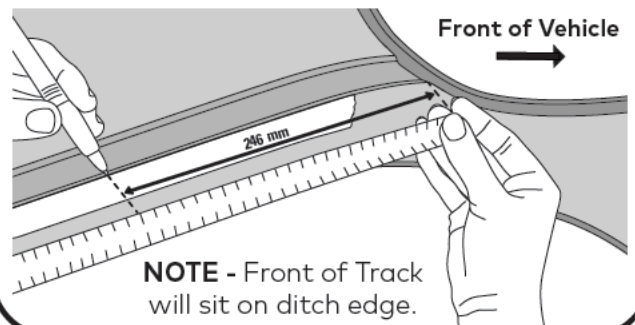


**NOTE** - This prevents drill swarf from getting caught.

**4**

## FRONT TRACK MEASUREMENT

Apply Masking Tape along ditch. Measure 246 mm from front corner of ditch and record.

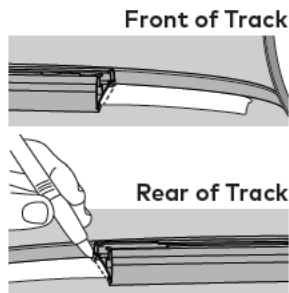


**NOTE** - Front of Track will sit on ditch edge.

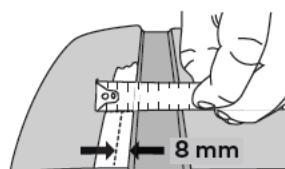
**5**

## REAR TRACK MEASUREMENT

Place Track on outer section of roof. Ensure front of Track aligns with reference mark. Once placed, record rear of Track position. Remove Track.



Measure 8 mm from outer edge of ditch. Mark line which intersects with rear of Track reference line.

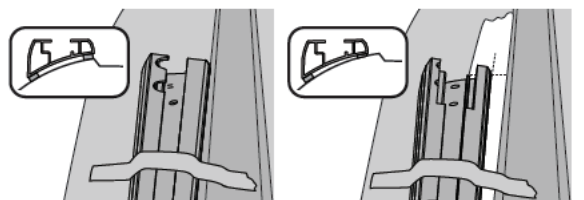


**6**

## POSITION TRACK AS SHOWN

**Front of Track**

**Rear of Track**

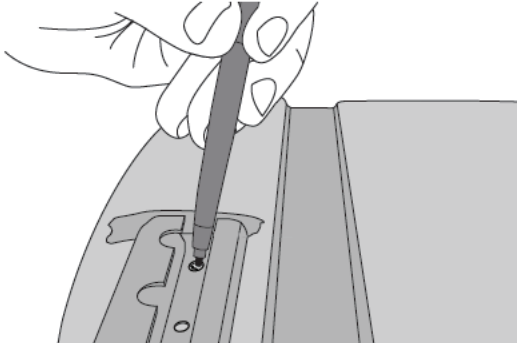


Once positioned, secure well in place with Masking Tape.



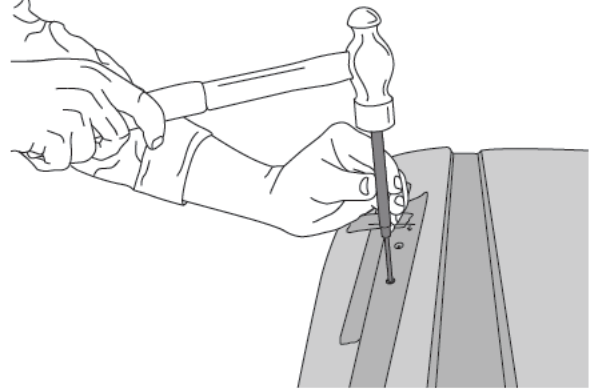
## 7 MARK DRILL HOLES

Re-check measurements and position of Track with Tape Measure. Once confirmed, mark locations of all track holes on roof with Marking Pen. Remove track.



## 8 CENTRE PUNCH HOLES

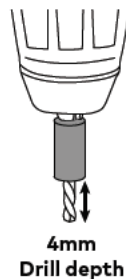
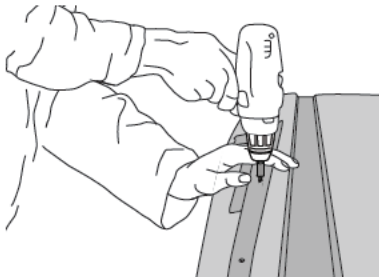
Lightly centre punch all marked holes.



Place track onto vehicle to check all centre punch marks line up with Track holes. If necessary, re-measure to confirm.

## 9 DRILL ROOF

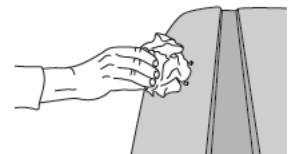
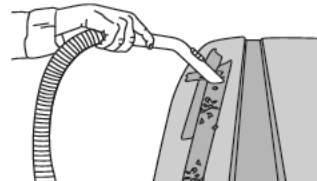
Using the Ø4.9 mm Drill Bit provided and a 4 mm Drill Stop, carefully drill through the roof at each centre punched location. Ensure a drilling angle perpendicular to the roof surface is maintained throughout.



**NOTE** - A Drill Stop is used to avoid drilling into the second roof skin of the vehicle.

## 10 REMOVE SWarf

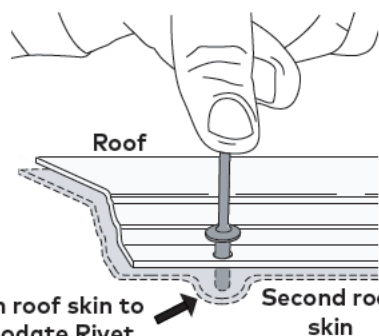
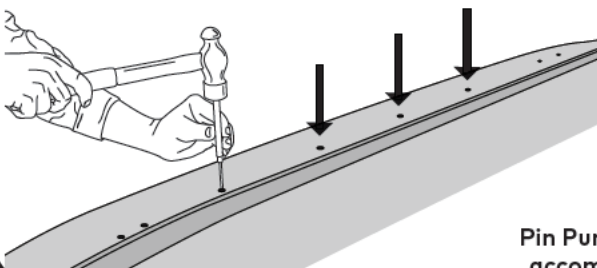
Using a Vacuum Cleaner carefully remove swarf from roof, taking care not to scratch the vehicle. Remove Masking Tape and gently wipe clean with a damp cloth.



Allow to dry completely before proceeding.

## 11 RIVET CLEARANCE

The second roof skin requires the four middle holes to be modified with a Pin Punch tool to accommodate the Rivets. Using a Ø4-5 mm Pin Punch tool, carefully dent the metal skin of **the four middle holes only** as shown to allow clearance for Rivets. The two holes at each end have sufficient clearance.



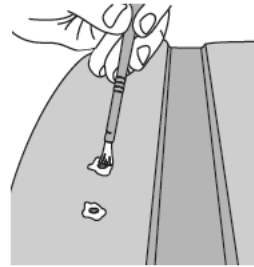
Max Gap of 3 mm between roof and Rivet head

## 12 APPLY PROTECTIVE SEALANTS

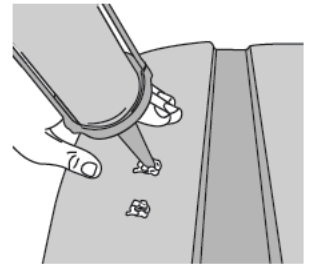
Protect roof by applying liberal amounts of protective sealants, as described.

### Stage 1

Apply a Zinc Rich Cold Galvanising Compound to inside surface and surrounds of each drilled hole. Allow solution to become touch dry before proceeding with Stage 2, (approx. 10 minutes depending on product).



**Stage 1**  
Apply Zinc Rich Cold Galvanising Compound liberally in and around holes



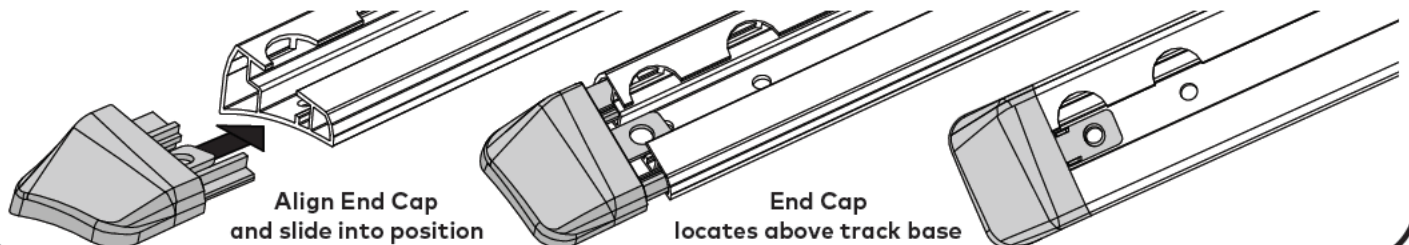
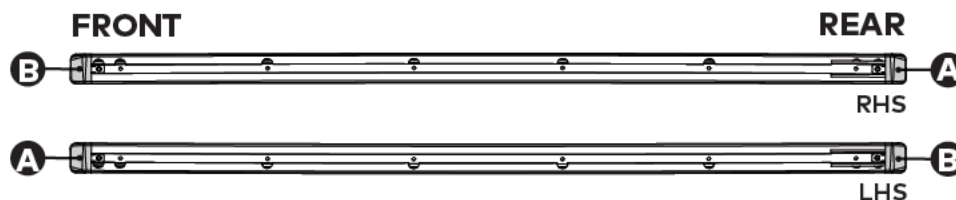
**Stage 2**  
Apply Mastic Silicon liberally in and around holes

### Stage 2

Apply a Mastic Silicone Sealant to the inside surface and surrounds of each hole.

## 13 FIT END CAPS TO TRACKS

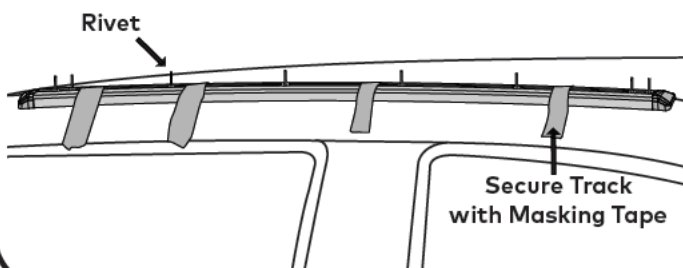
Refer to letter on underside of End Cap to identify type. Insert End Caps into Track ends as illustrated.



## 14 POSITION TRACK BACK ONTO VEHICLE

Taking note of correct orientation, place Track onto vehicle. Insert Rivets through Track holes and End Caps to align. Once located, secure well with Masking Tape.

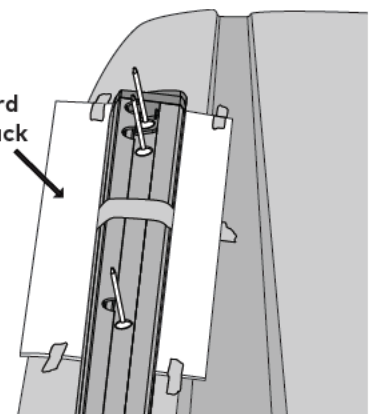
Insert Rivet through End Cap and Track



## 15 PRIOR TO RIVETING

Place Cardboard Strips either side of Track **prior to riveting** to prevent accidental scratching of the roof body should the Rivet Gun slip.

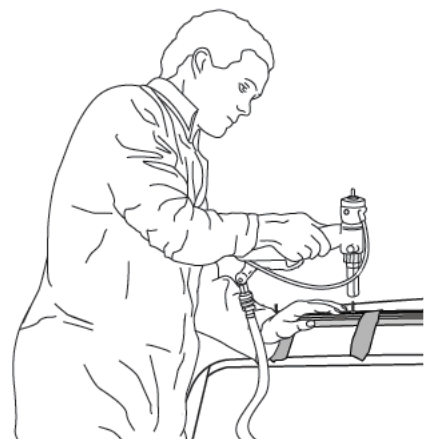
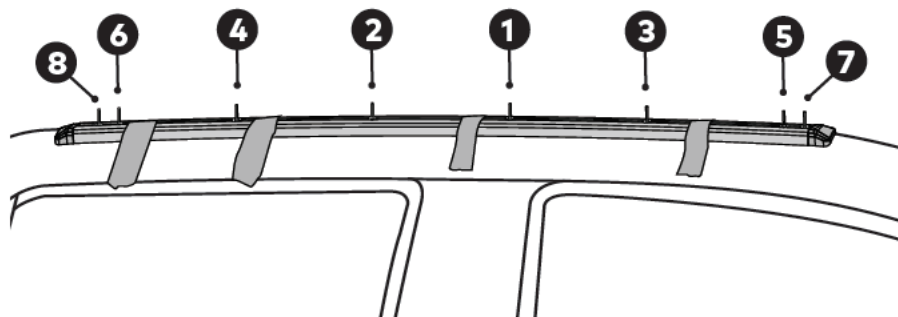
Place cardboard strips along Track





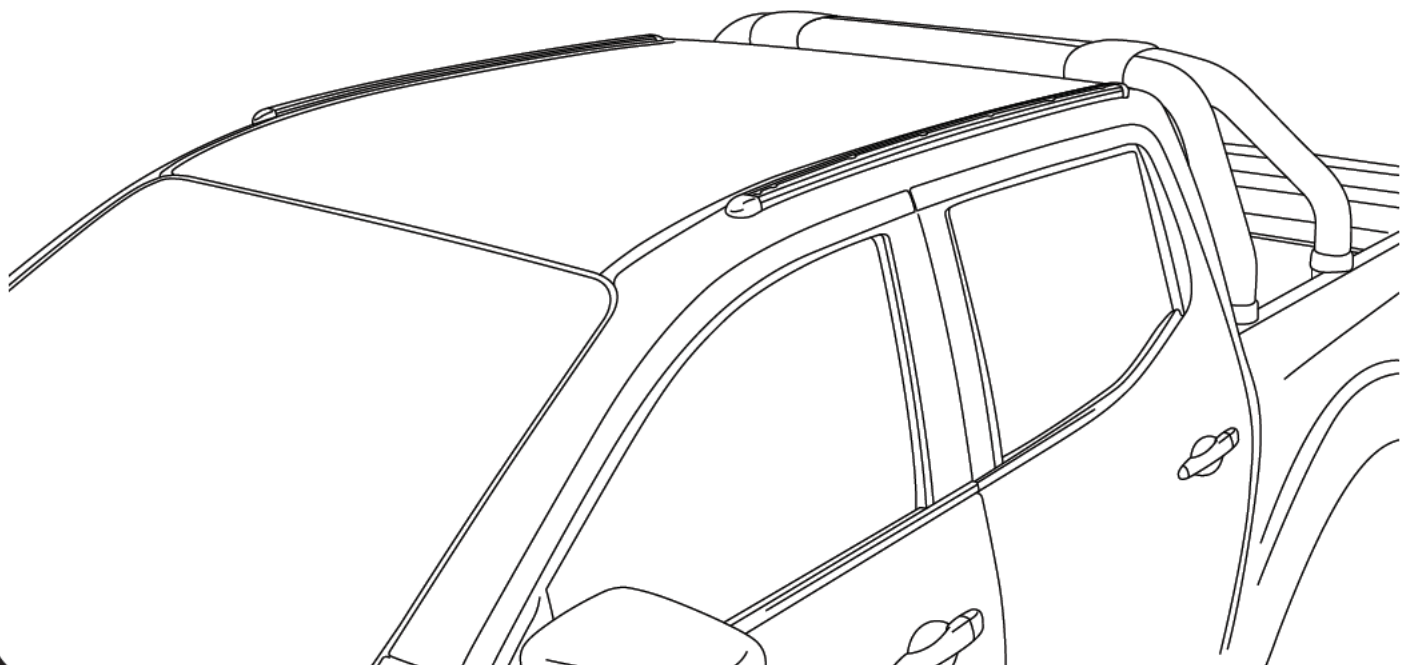
## 16 RIVETING TRACK TO VEHICLE

Ensure good pressure is applied to the Track. We recommend an assistant helps. Using the Rivet Nozzle provided, rivet the centre of the Track, then continue in an alternating pattern out towards the end of the Track.



## 17 TRACK INSTALLATION COMPLETE

Check both Tracks are secured to the vehicle as per these installation instructions. For assistance please contact your local Yakima Dealer.



**IF INSTALLING LockNLoad ROOF RACKS, CONTINUE ON STEP 18**

**IF INSTALLING LockNLoad PLATFORM, NOW SWITCH TO YOUR PLATFORM INSTRUCTIONS**

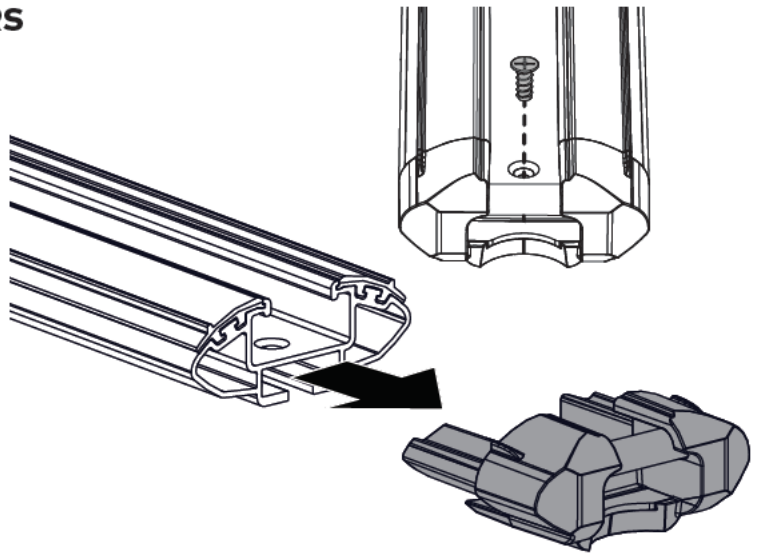
## BAR INSTALLATION

**18**

### REMOVE END CAPS FROM BARS

From the LockNLoad Bar Kit (sold separately), remove Plastite Screw from each Bar end using a #2 Phillips Head Screwdriver and pull out End Caps from Bars.

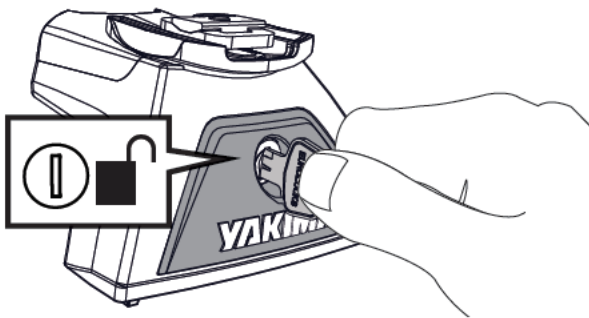
Keep all parts aside for later installation.



**19**

### REMOVE LEG COVERS

Using the keys supplied in the LockNLoad Leg Kit (sold separately), remove all Leg Covers.

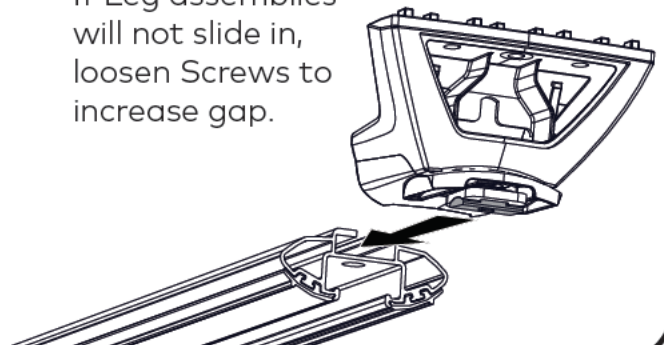


**20**

### INSERT LEGS

Slide the pre-assembled Leg assemblies into the underside channel of LockNLoad Bars.

If Leg assemblies will not slide in, loosen Screws to increase gap.

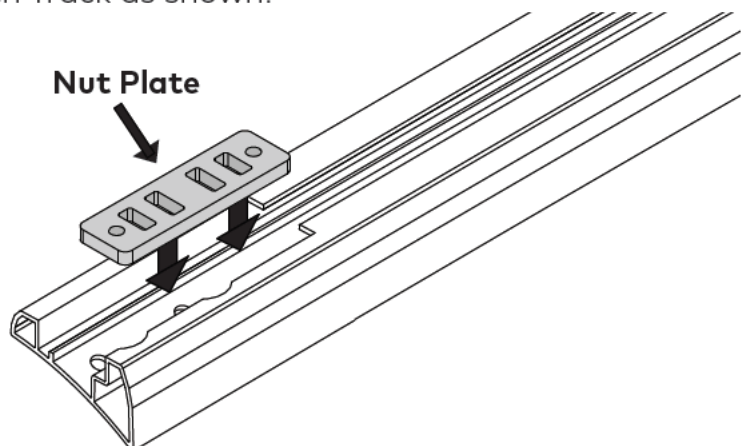
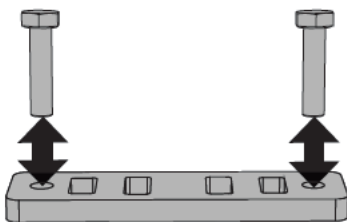


**21**

### INSERT NUT PLATES

Run all M6 Hex Screws through Nut Plates to remove burrs.

Insert two (2) Nut Plates into each Track as shown.

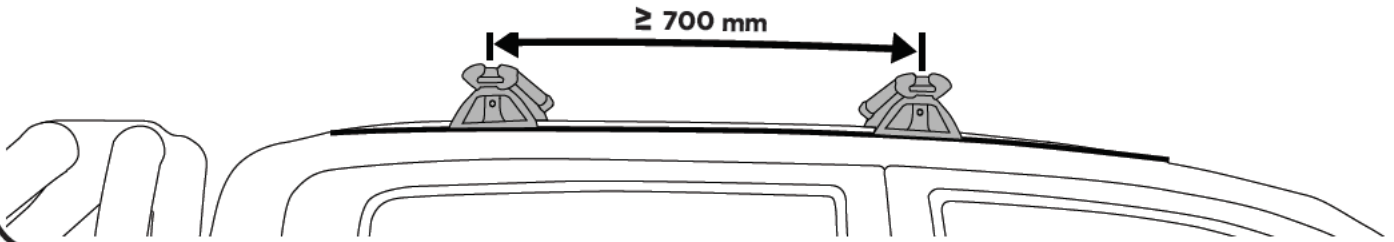


22

**BAR LOCATION**

**IMPORTANT:** Before beginning Bar installation, identify where along the Track you want the Front and Rear Bars fitted.

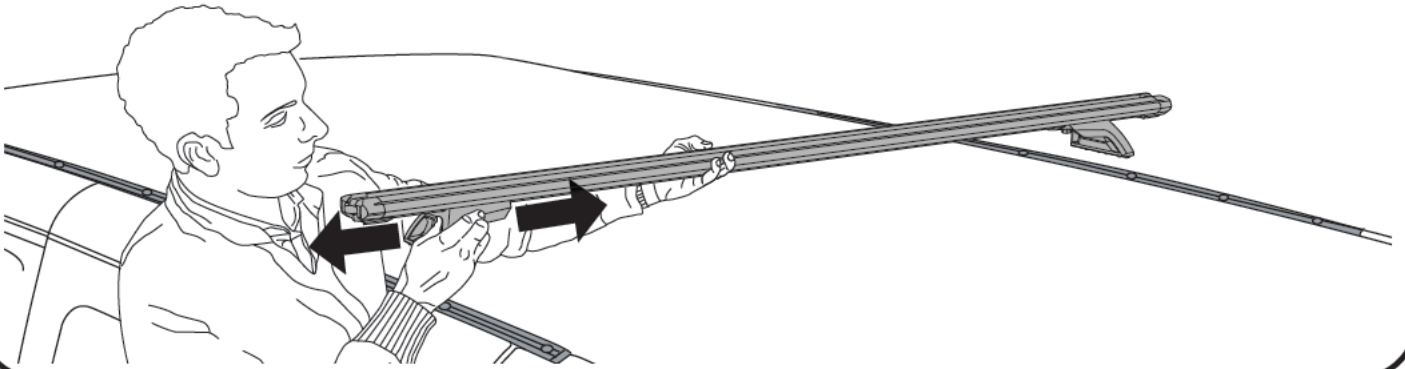
We recommend a minimum of 700 mm between Bars.



23

**BAR PLACEMENT**

Carefully place front Bar assembly over Nut Plates, ensuring spacing is correct as shown in the previous Step. **Take care not to damage vehicle.** Position Legs along Bar until both legs are securely positioned on Nut Plates within Track.

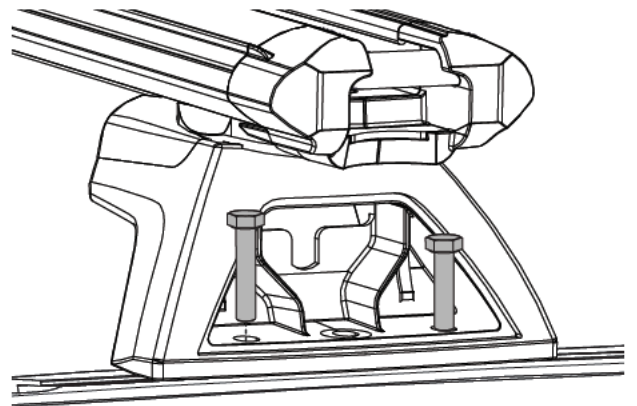


24

**SECURE BAR ASSEMBLY TO TRACKS**

From the LockNLoad Track Kit, insert 1 x M6 Hex Screw through the two outer holes on Legs into Nut Plate as shown.

Loosely secure Screws using a 5 mm ball end Allen Key.



25

**ADJUST BAR OVER HANG**

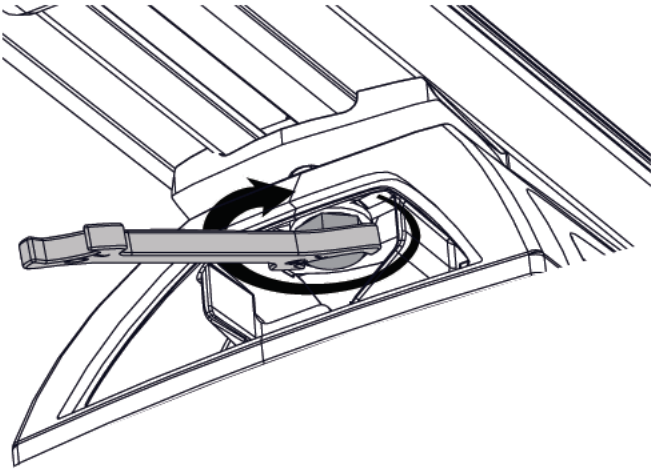
Use a Tape Measure to ensure even Bar overhang on each side, re-adjust if required by sliding bar along legs.



**NOTE** - Bars require individual adjustment due to tapered roof. Bars must be installed perpendicular to Tracks.

**26****SECURE LEGS TO BARS**

Tighten all M8 Set Screws to 9 Nm using a 13 mm Spanner.

**27****REPEAT AND REMOVE**

Repeat Steps 23 - 26 for remaining bar assembly.

Carefully remove all Bar and Leg assemblies from vehicle.

**28****CHECK BAR SLOT MEASUREMENTS**

Place Bars on flat surface with legs facing upwards, as shown. Take appropriate measures to avoid scratching the product and surface.

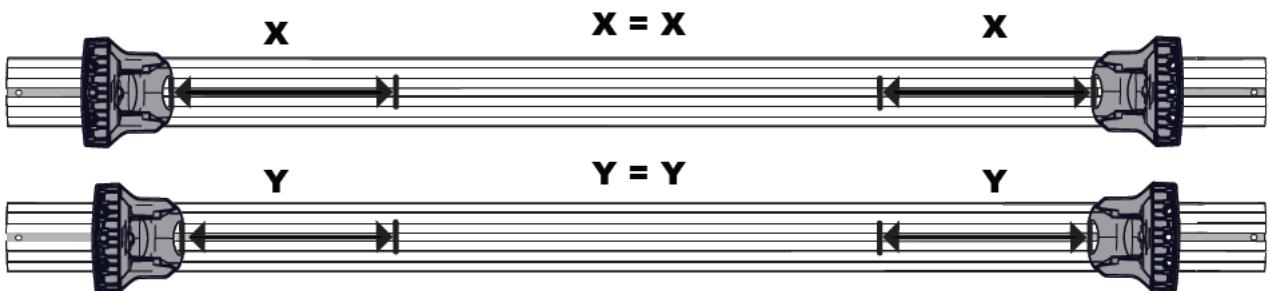
Identify slot on each Bar end. Using a Tape Measure, record Leg to underside slot distance of each bar in the table (right). Ensure measurement is taken from the centre of the Legs as shown.

**BAR SLOT MEASUREMENTS****Bar 1 (X)**

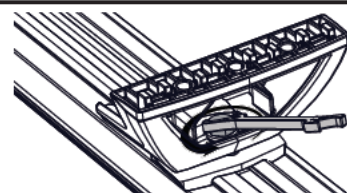
\_\_\_\_mm x2

**Bar 2 (Y)**

\_\_\_\_mm x2



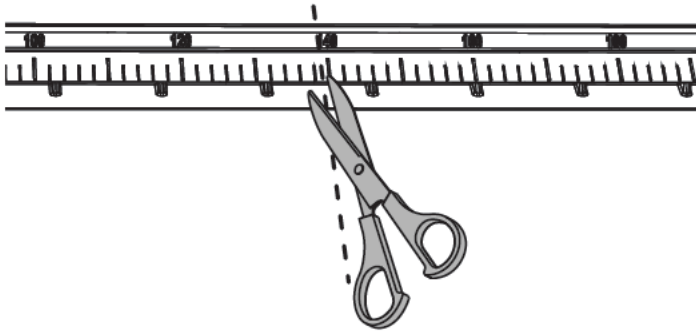
The ends of each bar should be the same measurement respectively, if not, loosen M8 Set Screws and repeat Steps 23-28.



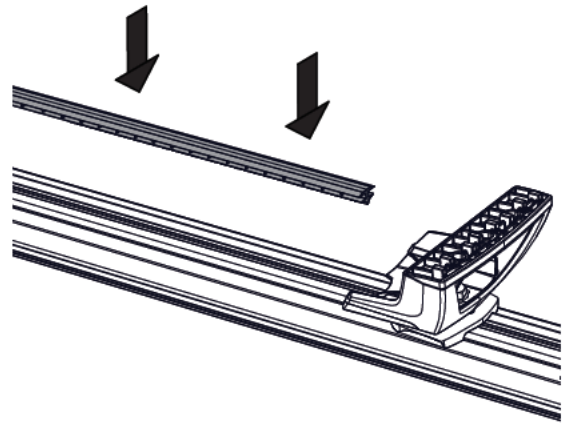


**29****BAR SLOT COVERS (INSIDE LEG)**

From the LockNLoad Bar Kit, cut Bar Slot Covers as per measurements recorded in the previous Step and press into the underside channel of Bar ends as shown.

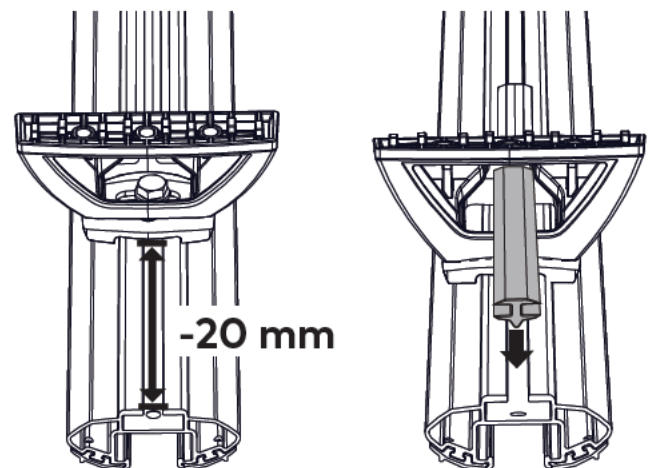


**NOTE** - Bar Slot Covers to be inserted with flat side visible

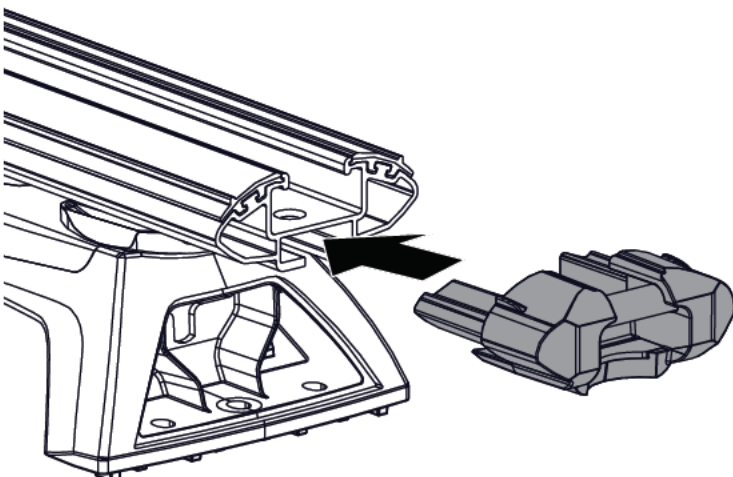
**30****BAR SLOT COVERS (OUTSIDE LEG)**

Measure the Bar channel outside of the Legs and subtract 20 mm from this measurement.

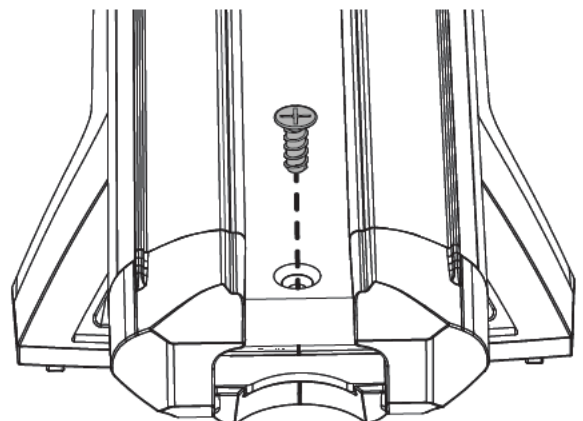
Using the remaining pieces of Slot Cover from the previous Step, cut to this length and press into the underside channel of each Bar end as shown.

**31****SECURE END CAPS TO BARS**

Insert the End Caps as shown. A Rubber Mallet can be used to assist installation.

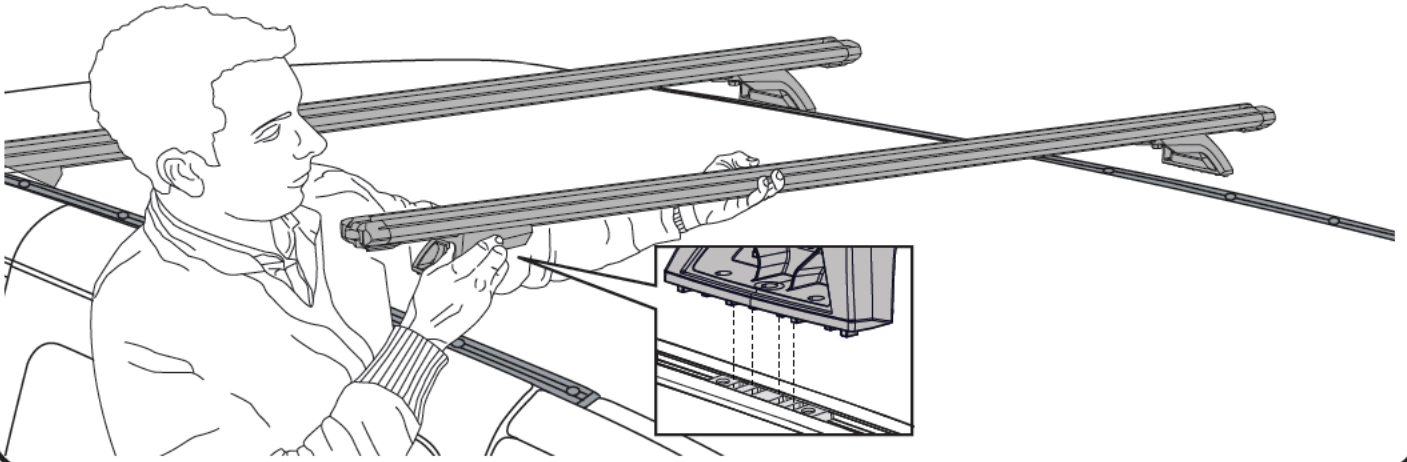
**32**

Secure using Plastite Screw (from LockNLoad Bar Kit). Tighten using a #2 Phillips Head Screwdriver.



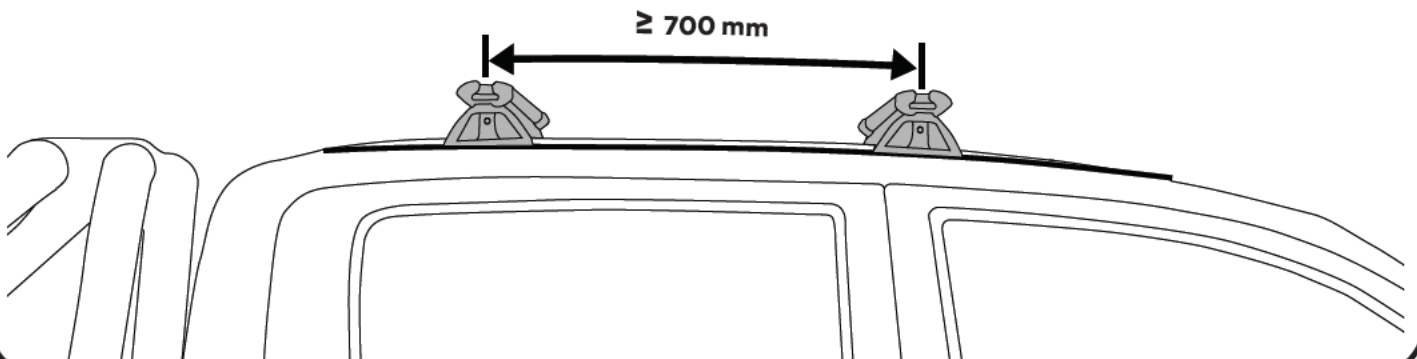
**33****BAR FITMENT**

Slide Nut Plates in Track into position for Bar placement (it doesn't have to be exact). Place Bar assembly onto Tracks, carefully locating the four central raised notches on base of Legs into the cut outs on Nut Plates as shown. **Take care not to damage vehicle.** Repeat for remaining Bar.

**34**

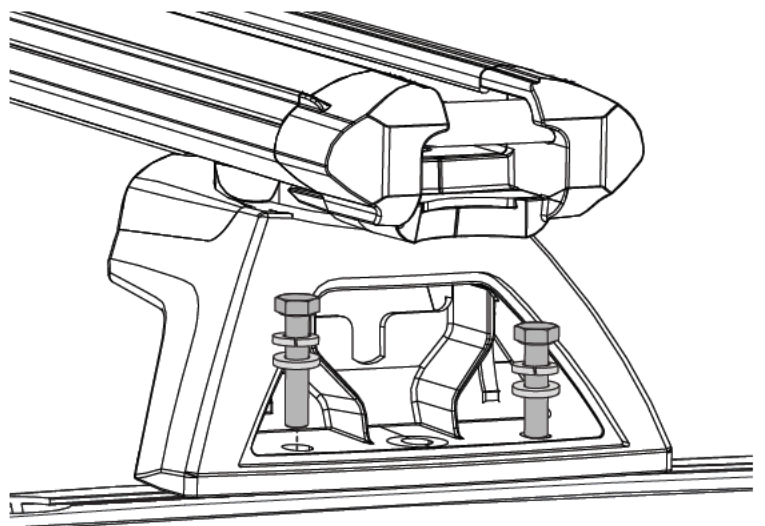
Position front and rear Bars along Tracks as required, ensuring there is a minimum distance of 700 mm between each Bar.

Measure from the centre of each Leg as shown.

**35****M6 HEX SCREW ASSEMBLY**

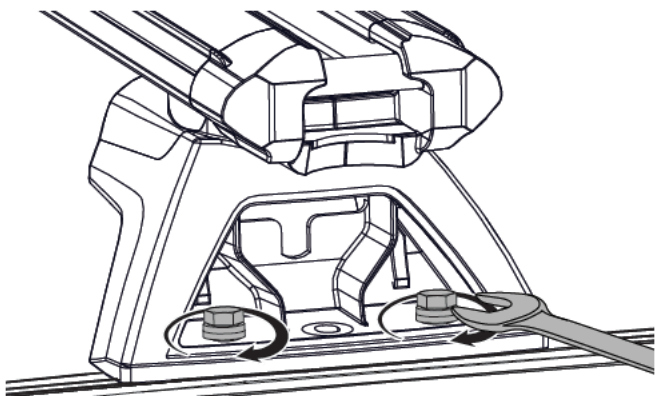
From the LockNLoad Track Kit, assemble 1 x M6 Spring Washer and 1 x M6 Washer onto each M6 Hex Screw.

Insert through the outer holes on Legs into Nut Plates as shown.

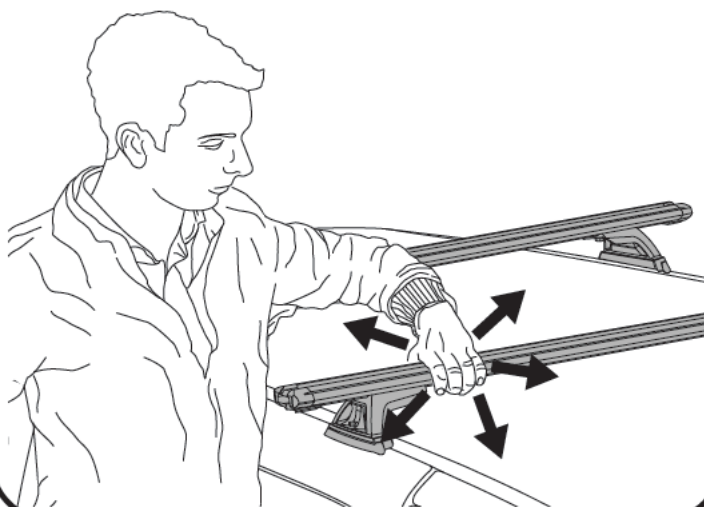


**36****SECURE BARS TO TRACKS**

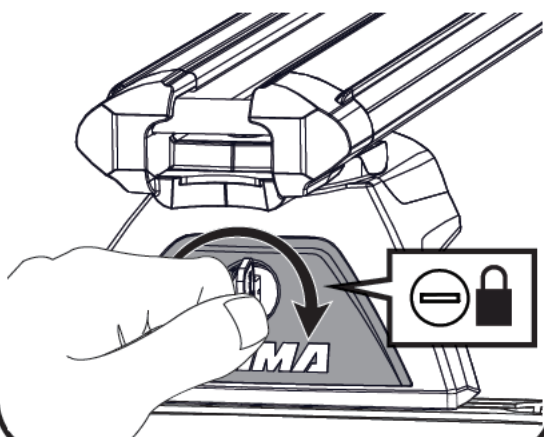
Tighten all M6 Hex Screws to 5 Nm using a 10 mm Open Ended Spanner. **Do not over tighten.**

**37****CHECK BAR LEGS ARE SECURE**

Check all Bar Legs are secure.

**38****FIT LEG COVERS**

Using the keys and Covers supplied in the LockNLoad Leg Kit, fit and lock all Leg Covers.

**39****BAR KEYS**

Place one key on the vehicle key ring and put the other away safely, or store with the spare vehicle key.

Write the key number (which is stamped on the key) in the box provided. Replacement keys are available from Yakima stockists, visit [www.yakima.com.au](http://www.yakima.com.au) or [www.yakima.co.nz](http://www.yakima.co.nz) to find your nearest store or contact us directly on 1800 143 548 (AU) or 0800 4776 722 (NZ).

Key Number:



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