

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

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

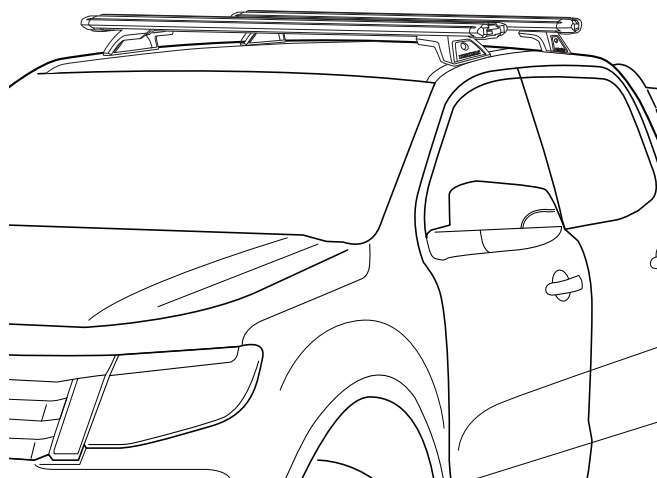
## FIRST TIME INSTALLATION

- 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 LOCKN'LOAD Track Heavy Duty Roof Rack System.
- Place these instructions in the vehicle's glove box after installation is complete.



### TOOLS REQUIRED:

- Pencil
- Tape Measure
- Masking Tape
- Power or Cordless Drill
- Drill Bit Stop
- Scissors
- Knife
- Mastic Silicone Sealant
- #2 Phillips Head Screwdriver
- Zinc Rich Cold Galvanising Coating
- Vacuum Cleaner
- 10mm Open Ended Spanner
- 13mm Socket or Spanner
- Thick Cardboard Strips
- Rivet Gun
- Rubber Mallet (Optional)

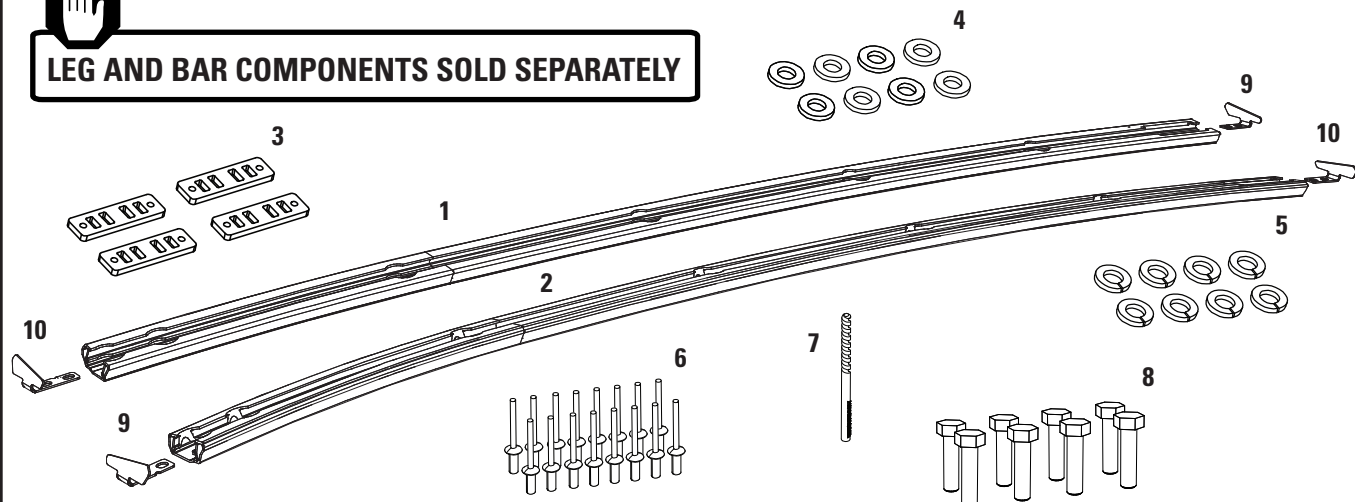


## KIT CONTENTS

ITEM	COMPONENT	QTY	ITEM	COMPONENT	QTY
1.	Track Ranger/BT-50 Right Hand Side	x1	6.	Rivet	x16
2.	Track Ranger/BT-50 Left Hand Side	x1	7.	4.9mm Drill Bit	x1
3.	Track Nut Plate	x4	8.	M6 Hex Screw	x8
4.	M6 Washer	x8	9.	Track End Cap Front Left & Rear Right	x2
5.	M6 Spring Washer	x8	10.	Track End Cap Rear Left & Front Right	x2



### LEG AND BAR COMPONENTS SOLD SEPARATELY

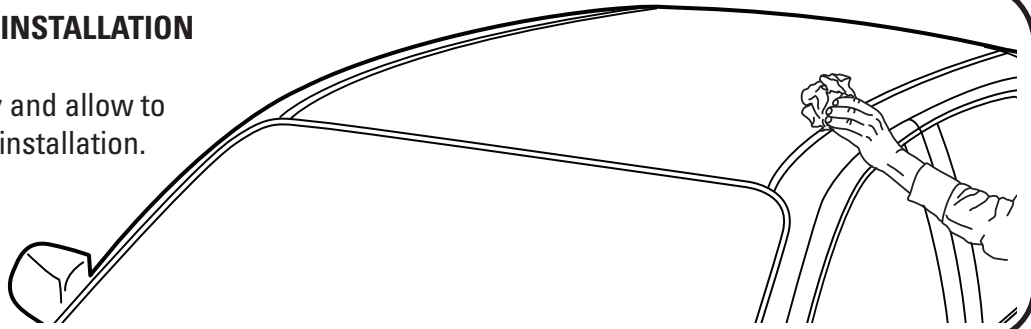


# TRACK INSTALLATION

**1**

## BEFORE BEGINNING INSTALLATION

Clean roof thoroughly and allow to dry before beginning installation.



**2**

## TRACK ORIENTATION

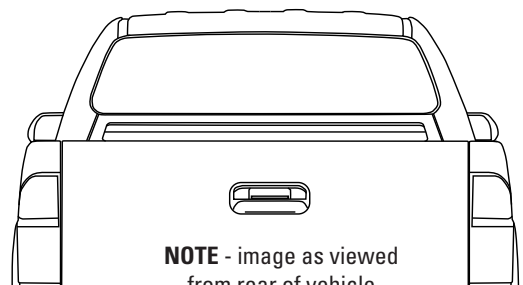
The long edge of Track faces **outside of vehicle** as shown, with rectangular cut outs at rear of vehicle.

It is recommended to install one Track at a time.

The help of an assistant is required to install Tracks.

Long edge

Long edge



NOTE - image as viewed from rear of vehicle

RIGHT Track

Vehicle Front



Use care when drilling these holes due to airbag location



Rectangular cut out at rear of vehicle

LEFT Track

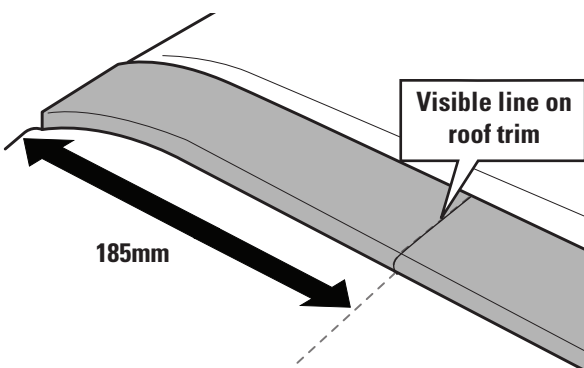
NOTE - image as viewed from above

**3**

## REAR ROOF TRIM MEASUREMENT

Approximately 185mm from the rear of vehicle is a visible line on the roof trim. This line will be cut in Step 5.

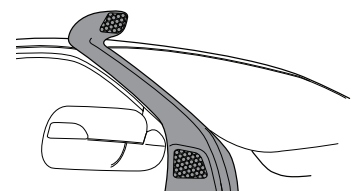
If you have a factory snorkel fitted, measure and mark **38mm** back from the visible line on roof trim as shown. This new line will be cut in Step 5.



Visible line on roof trim

185mm

Vehicle Rear



Visible line on roof trim

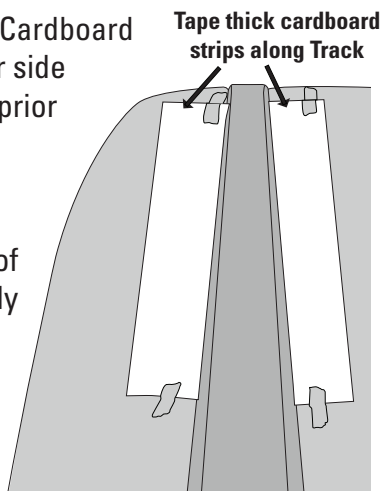
Mark measurement on trim with a pencil

38mm

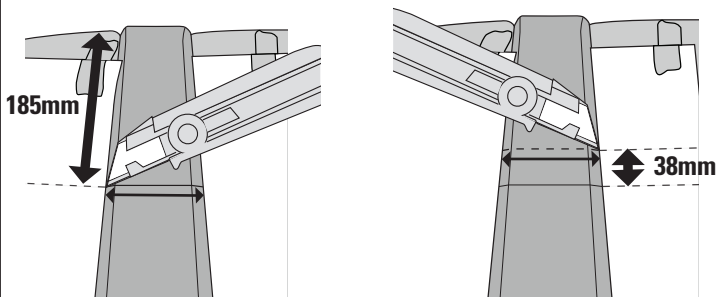
Vehicle Rear

**4****PROTECT ROOF TRIM**

Place thick Cardboard Strips either side of roof trim prior to cutting to prevent accidental scratching of the roof body should the knife slip.

**5****CUT REAR ROOF TRIM**

Using a knife, precisely cut the width of the rear section of roof trim as determined from Step 3.

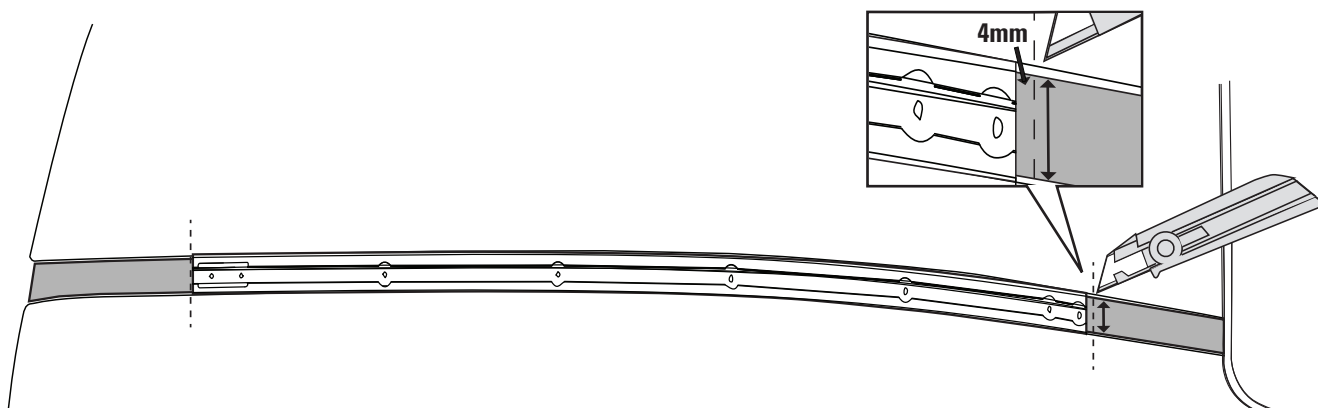


Without Factory Snorkel

With Factory Snorkel

**6****CUT FRONT ROOF TRIM**

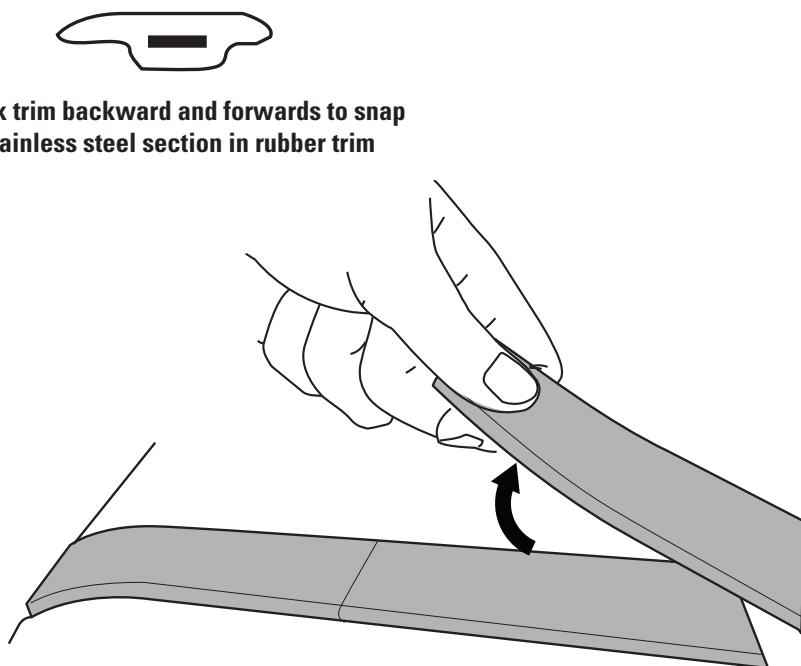
Place Track on top of roof trim, positioning the end of track on rear trim cut line. Measure and cut front roof trim 4mm from front end of Track. **An additional 2mm either end is required to fit the Track End Caps.** Remove Track from vehicle.

**7****PEEL BACK ROOF TRIM**

Using your fingers, carefully peel back the cut section of roof trim until the double sided tape underneath trim releases. Continue to peel trim from roof until trim and double sided tape is off the vehicle.

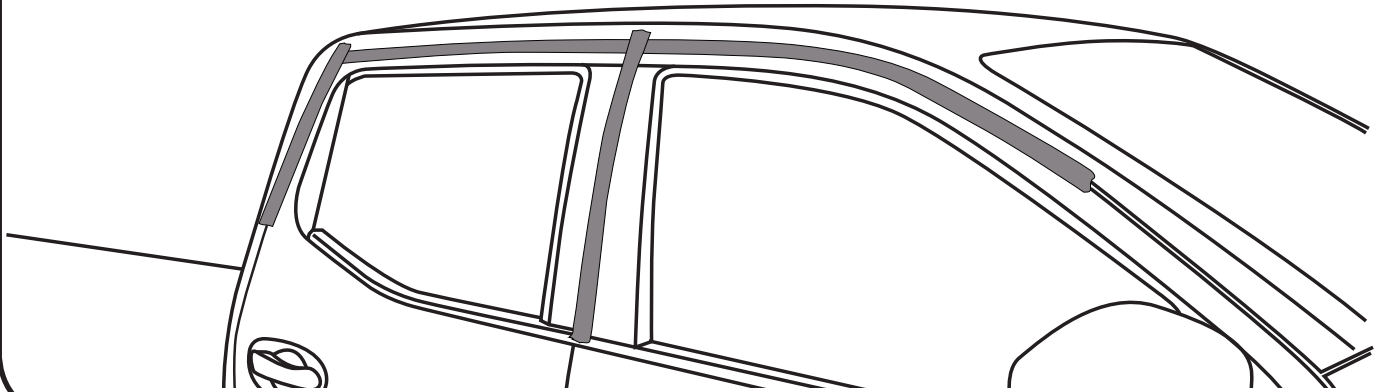
**It is important that any double sided tape still on vehicle is completely cleaned off before Track fitment.**

Work trim backward and forwards to snap stainless steel section in rubber trim

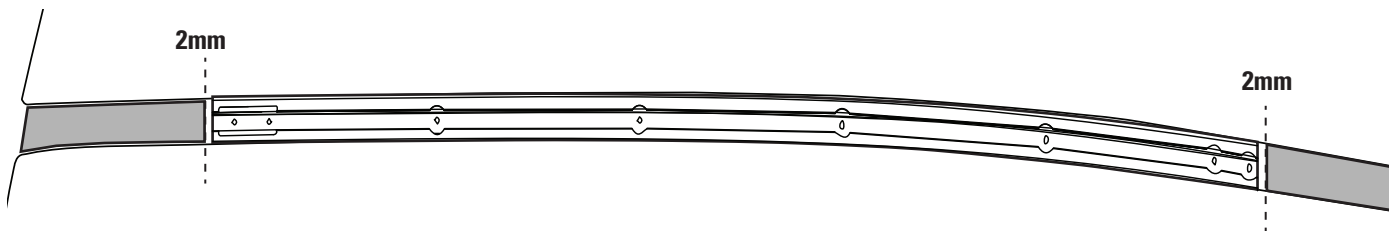


**8****APPLY MASKING TAPE**

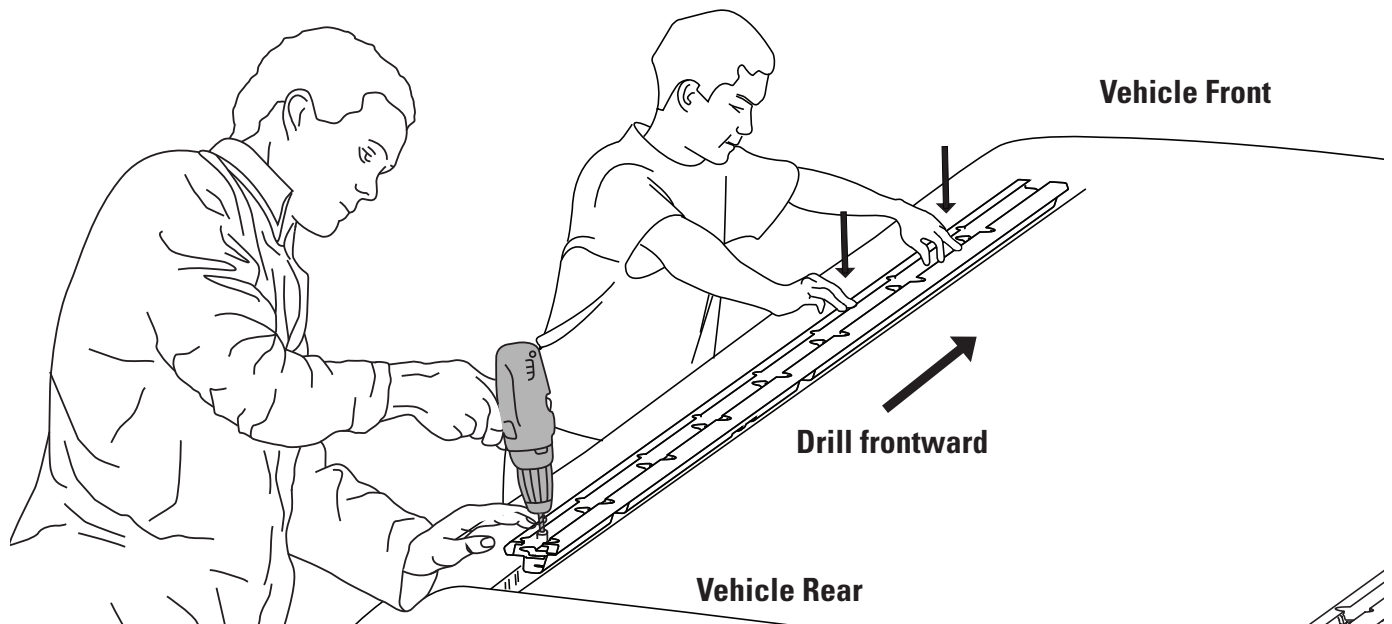
Apply lengths of Masking Tape along window and door seals. This prevents drill swarf from getting caught.

**9****ALIGN TRACK**

Place Track into roof channel, ensuring there is a 2mm spacing from end of trim to Track both front and rear as shown.

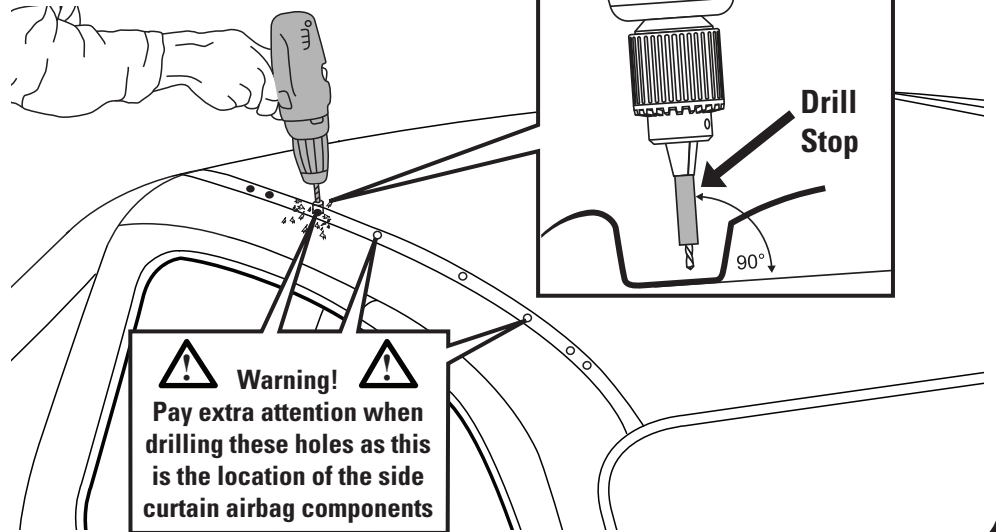
**10****SPOT DRILL RIVET HOLES**

With the help of an assistant, hold track down firmly in roof channel. Using the supplied 4.9mm Drill Bit, start spot drilling each rivet hole in the Track **from the rear of the vehicle working consecutively frontward**. **Ensure the Track does not move during this process by maintaining downward pressure on the Track**. Once complete, remove Track taking care not to scratch vehicle.



**11****DRILL ROOF CHANNEL**

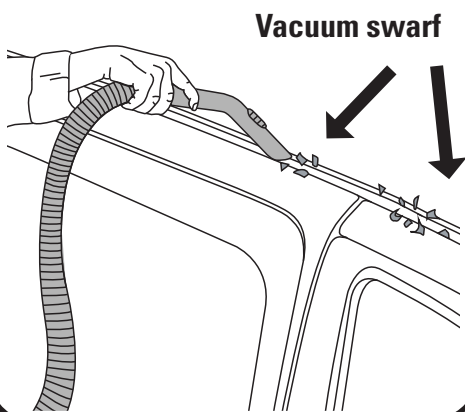
All rivet holes can now be carefully drilled through. **To avoid drilling into roof lining a drill stop must be used.** The roof skin is approx. 2-3mm thick. **Ensure that a drilling angle perpendicular to the roof angle is maintained.**



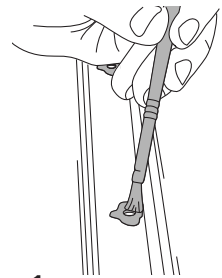
**Warning!**  
Pay extra attention when drilling these holes as this is the location of the side curtain airbag components

**12****REMOVE SWARF**

Avoid pushing swarf into the newly drilled holes by removing swarf from roof channel with a Vacuum Cleaner.

**Vacuum swarf****13****APPLY PROTECTIVE SEALANTS****Stage 1**

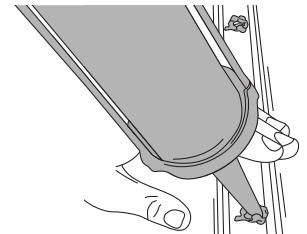
Liberaly apply a Zinc Rich Cold Galvanising Solution to the inside surface and surrounds of each drilled hole. Allow solution to become touch dry before proceeding with Stage 2 (approx. 10 min depending on product used).

**Stage 1**

Apply liberaly in and around holes. Allow to dry.

**Stage 2**

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

**Stage 2**

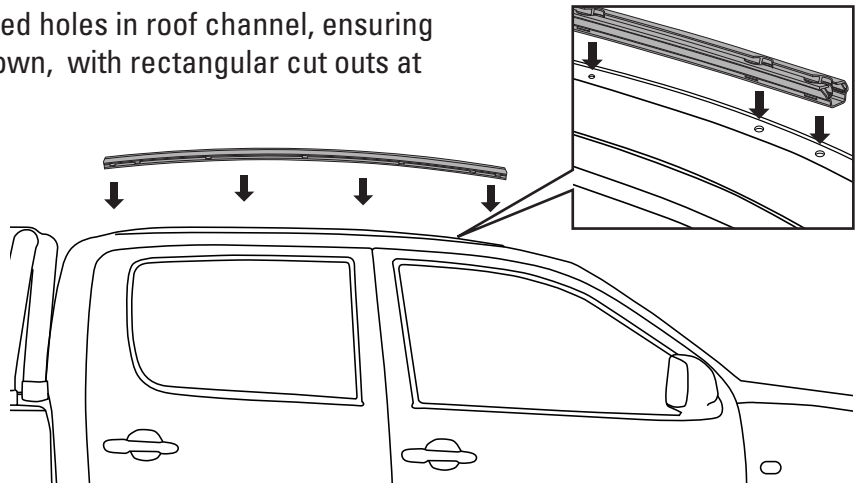
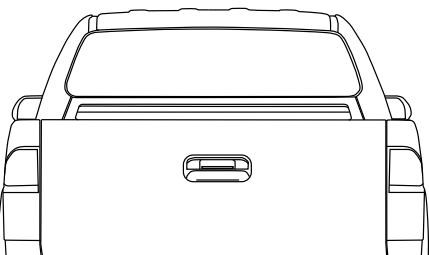
Apply liberaly in and around holes

**14****PLACE TRACK BACK INTO ROOF CHANNEL**

Accurately place Tracks over drilled holes in roof channel, ensuring Track orientation is correct as shown, with rectangular cut outs at rear of vehicle.

Long edge

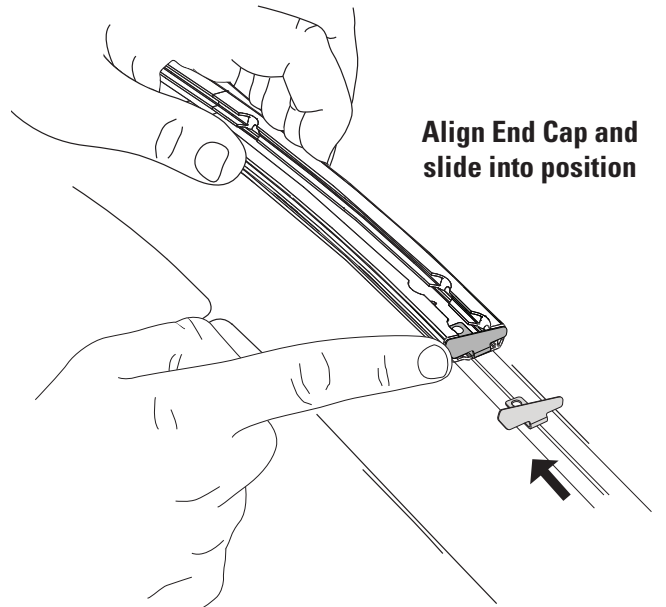
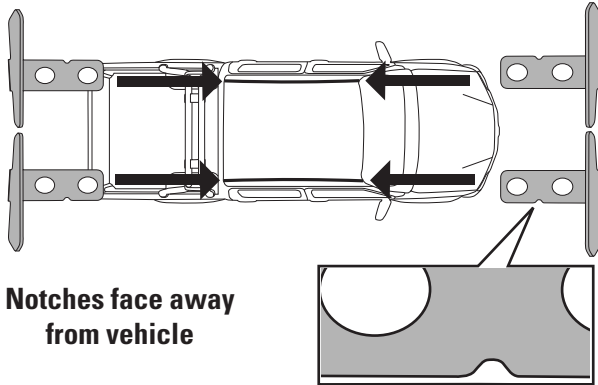
Long edge



# 15

## END CAP FITMENT

Assemble End Caps within Tracks as shown. **The notches on the side of End Cap base must face the outside of vehicle.**

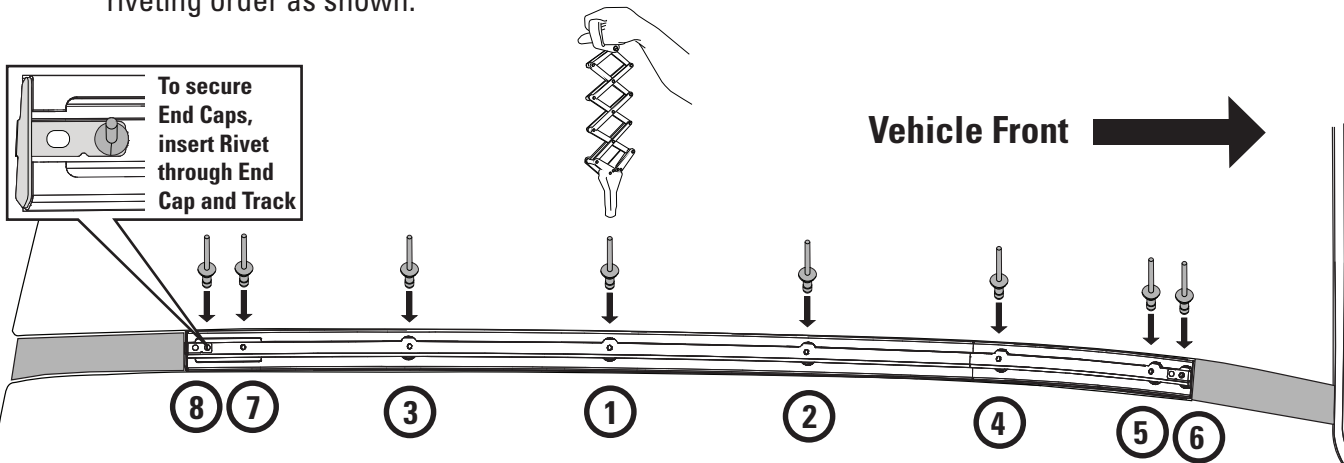


# 16

## TRACK INSTALLATION

Align Track and secure End Caps by inserting all Rivets in their respective holes through Track into roof channel.

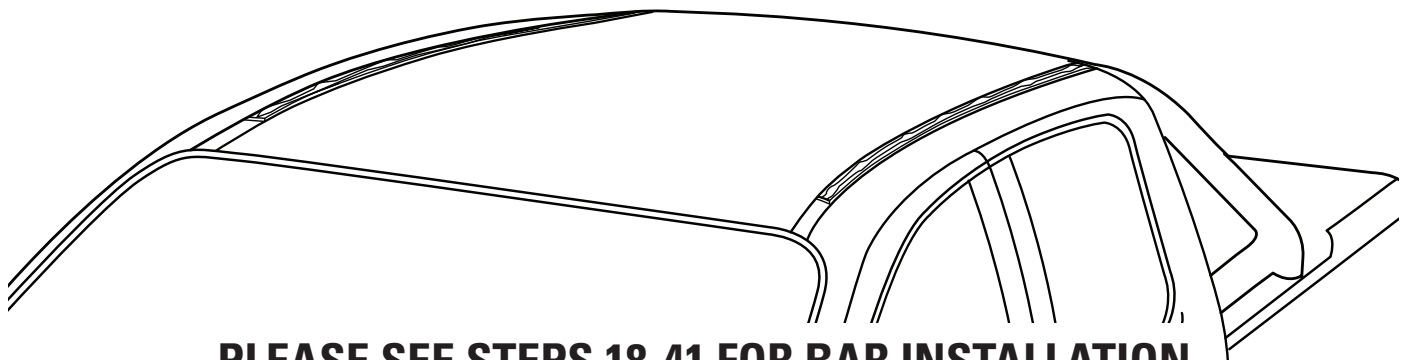
Using a Rivet Gun, punch each Rivet starting from the centre Rivet, then follow the numerical riveting order as shown.



# 17

## TRACK INSTALLATION COMPLETE

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

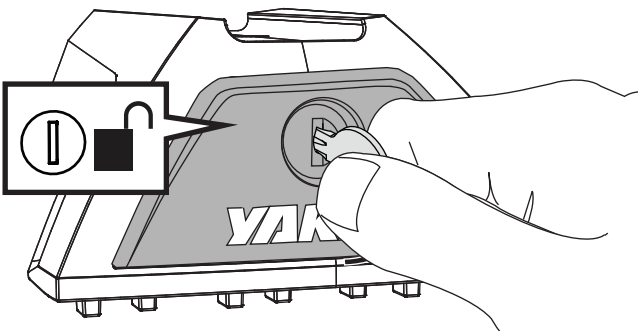


**PLEASE SEE STEPS 18-41 FOR BAR INSTALLATION**

# BAR INSTALLATION

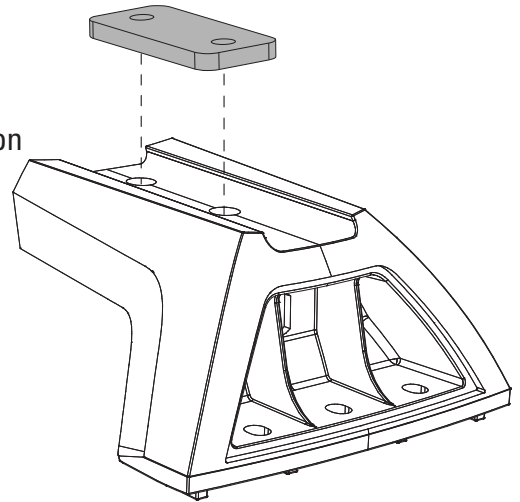
## 18 REMOVE LEG COVERS

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

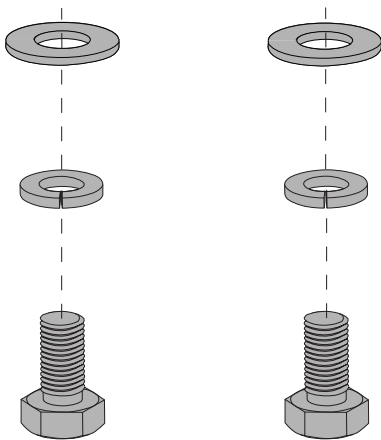


## 19 LEG ASSEMBLY

From the LOCKN'LOAD Leg Kit, position Nut Plates over holes on top of Legs.

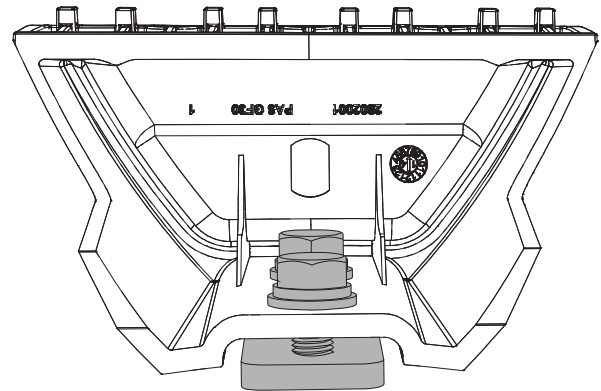


20 From the LOCKN'LOAD Leg Kit, assemble 1 x M8 Spring Washer and 1 x M8 Washer onto each M8 Set Screw 16mm in the order shown.



21 Loosely finger tighten Nut Plates to Legs as shown using the screw assemblies from the previous Step.

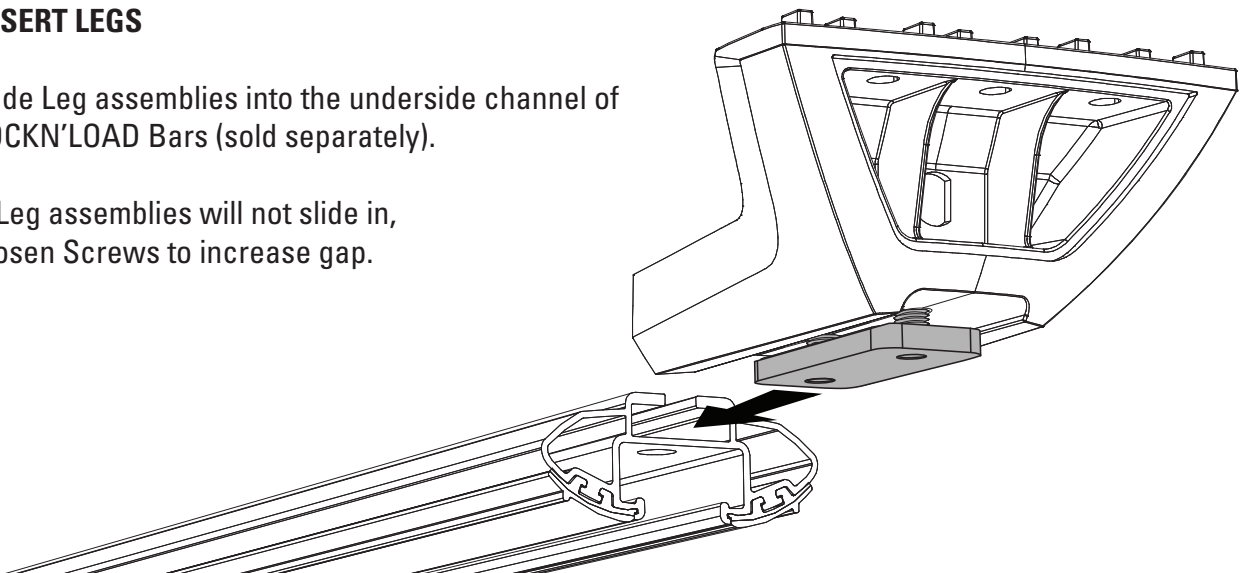
**Ensure there is a sufficient gap between the Nut Plates and Legs for the next Step.**



## 22 INSERT LEGS

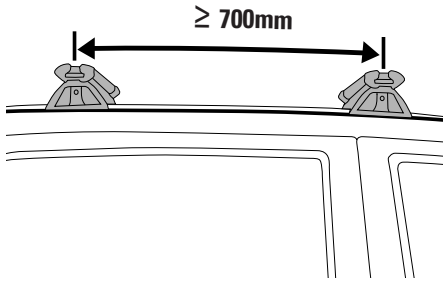
Slide Leg assemblies into the underside channel of LOCKN'LOAD Bars (sold separately).

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



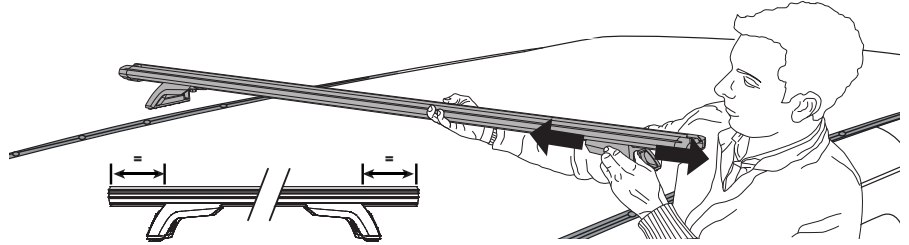
## 23 BAR LOCATION

**IMPORTANT:** Before beginning Bar installation, identify where along the Track you want the Front and Rear Bars fitted. We recommend a minimum of 700mm between Bars.



## 24 BAR PLACEMENT

Carefully place a Bar assembly over Track. **Take care not to damage vehicle.** Slide Legs along Bar until both legs are securely positioned within Track. Use a Tape Measure to ensure even Bar overhang on each side, re-adjust if required. Finger tighten one Screw on each Leg to secure Leg position along Bar. Repeat for remaining bar assembly then carefully remove Bars from vehicle.

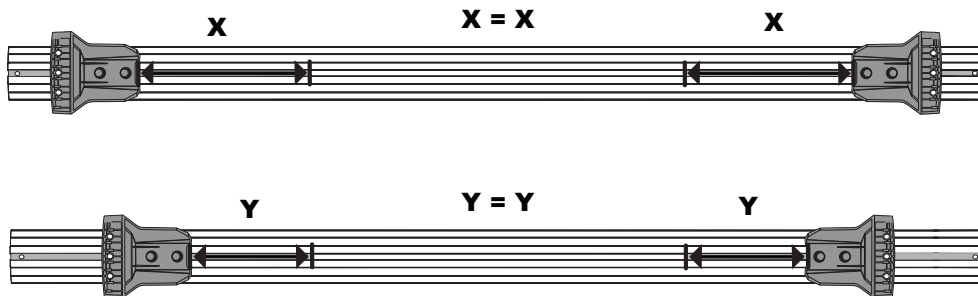


**NOTE** - Front and Rear Bars require individual adjustment due to tapered roof. Bars must be installed perpendicular to Tracks.

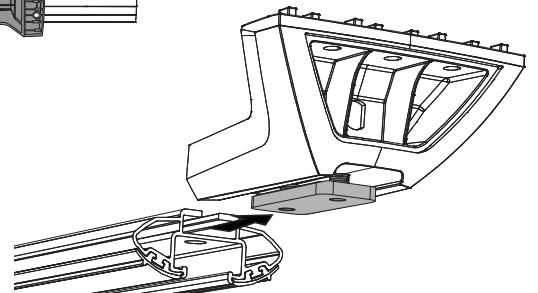
## 25 CHECK BAR SLOT MEASUREMENTS

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. The ends of each bar should be the same measurement respectively, if not, repeat Step 24.

BAR SLOT MEASUREMENTS	
Front Bar (X)	Rear Bar (Y)
_____ mm x2	_____ mm x2

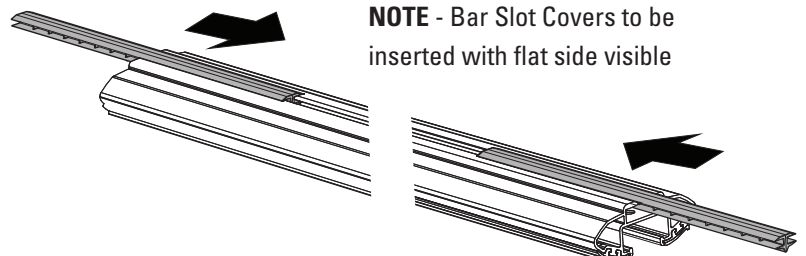
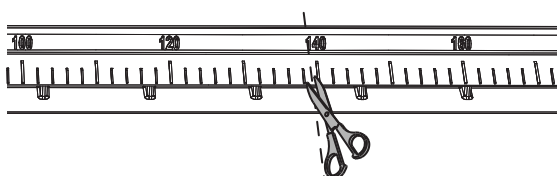


Remove Legs from Bar once equal measurement is obtained and recorded. Loosen the previously finger tightened screw on each leg, keeping Nut Plate and Screw assemblies in place as shown.



## 26 BAR SLOT COVERS

Cut Bar Slot Covers as per measurements recorded in the table above and insert into underside channel of front and rear Bar ends as shown.



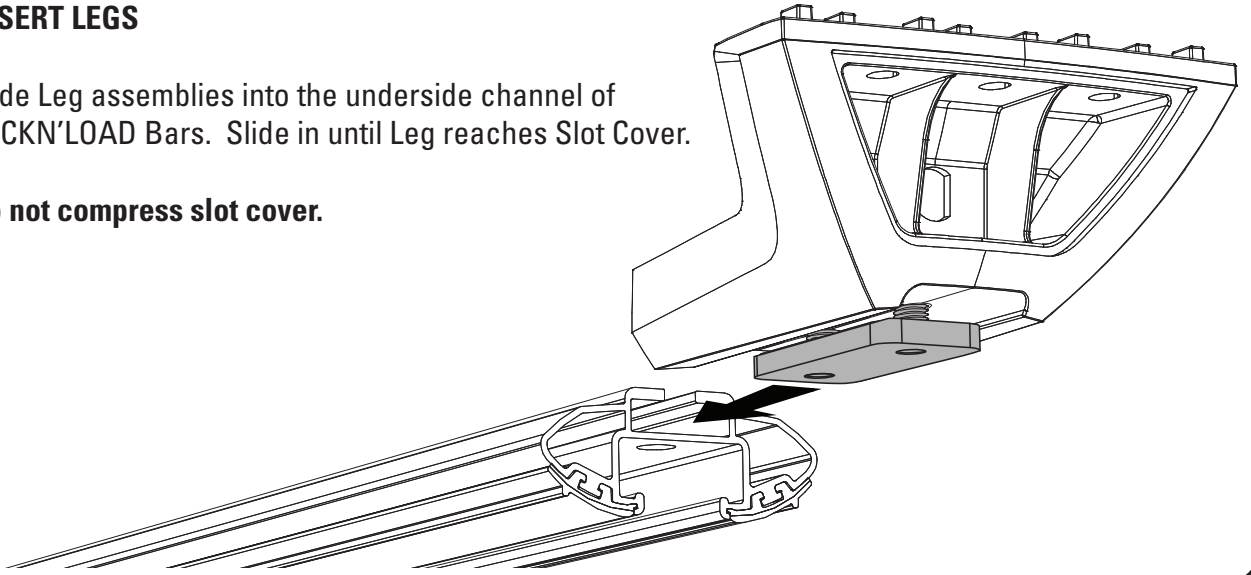
**NOTE** - Bar Slot Covers to be inserted with flat side visible



## 27 INSERT LEGS

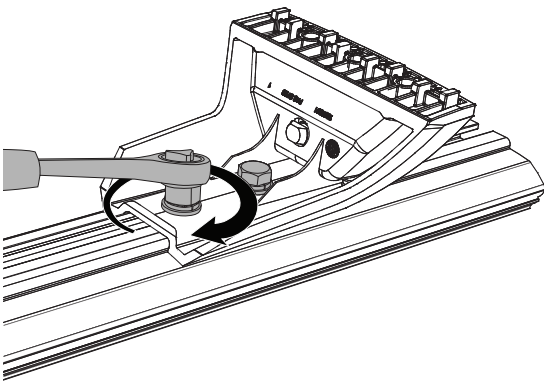
Slide Leg assemblies into the underside channel of LOCKN'LOAD Bars. Slide in until Leg reaches Slot Cover.

**Do not compress slot cover.**



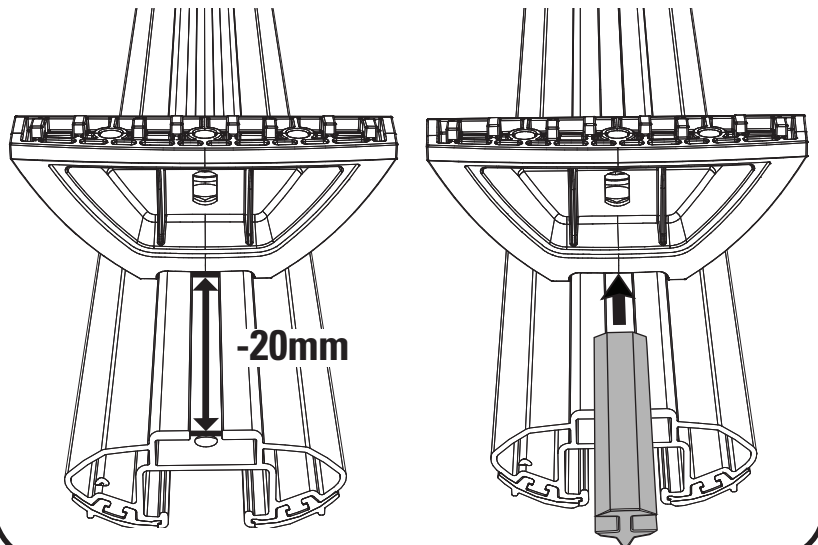
## 28 SECURE LEGS TO BARS

Tighten all M8 Set Screws to 7Nm using a 13mm Socket Wrench.



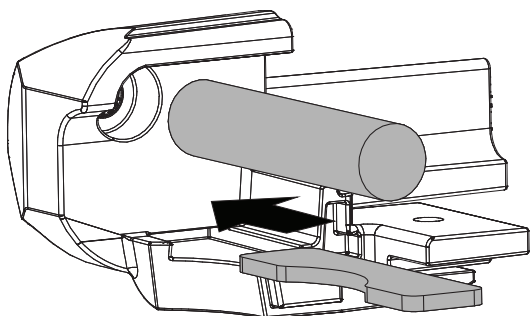
## 29 BAR SLOT COVERS (OUTSIDE LEG)

Measure the Bar channel outside of the Legs and subtract 20mm from this measurement. Using the remaining pieces of Slot Cover from Step 26, cut to this length and insert into the underside channel of each Bar end as shown.

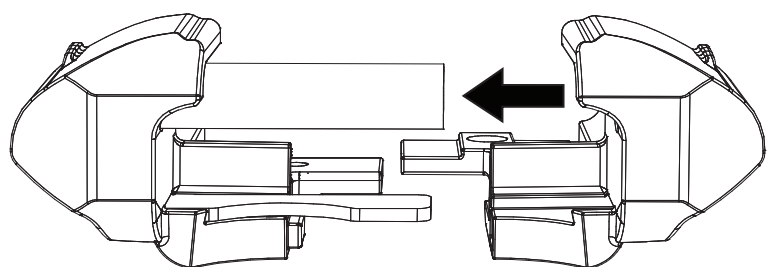


## 30 END CAP ASSEMBLY

From the LOCKN'LOAD Leg Kit, insert Bottle Openers and Pins into the End Cap Halves.

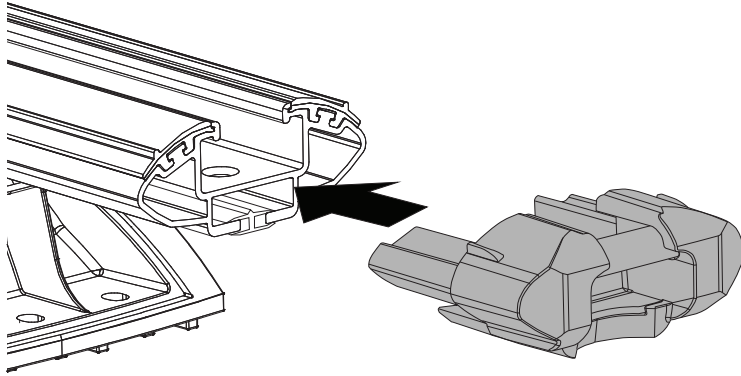


## 31 Connect all End Cap Halves together.

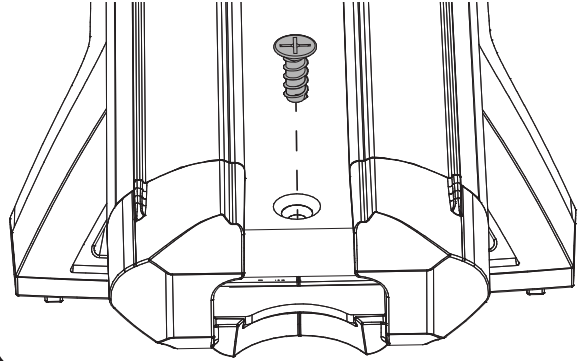


### 32 SECURE END CAPS TO BARS

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

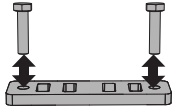


### 33 Secure using Plastite Screw (from LOCKN'LOAD Leg Kit). Tighten using a #2 Phillips Head Screwdriver.

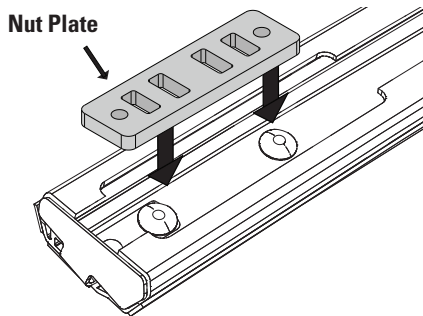


### 34 INSERT NUT PLATES

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

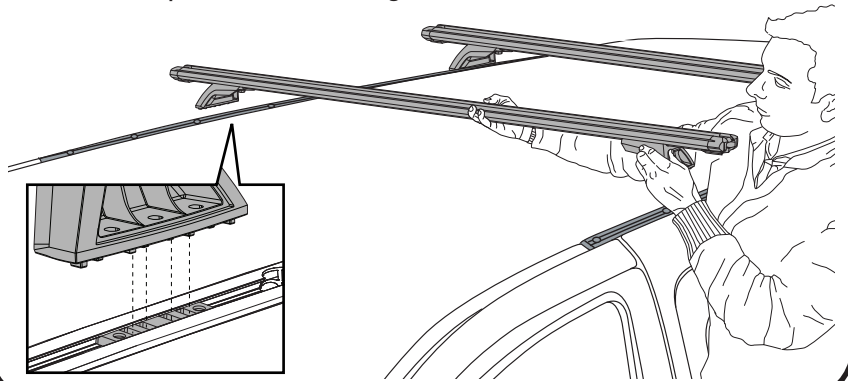


Insert two (2) Nut Plates into each Track as shown.



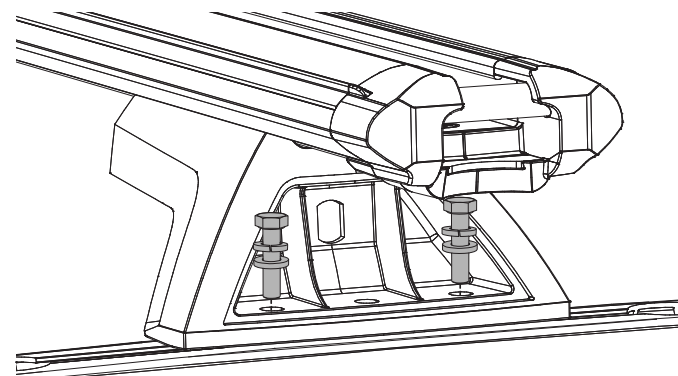
### 35 BAR FITMENT

Slide Nut Plates within Track into position for front and rear Bar placement. 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.

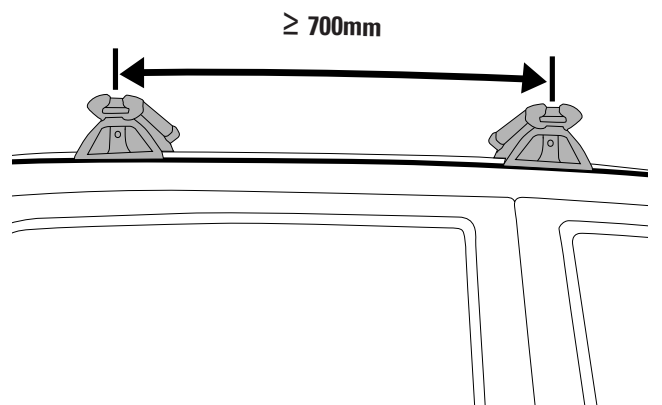


### 36 SECURE BARS TO TRACKS

From the LOCKN'LOAD Track Kit, assemble 1 x M6 Spring Washer and 1 x M6 Washer onto each M6 Hex Screw as shown. Insert through the outer holes on Legs into Nut Plate as shown. Finger tighten Screws.



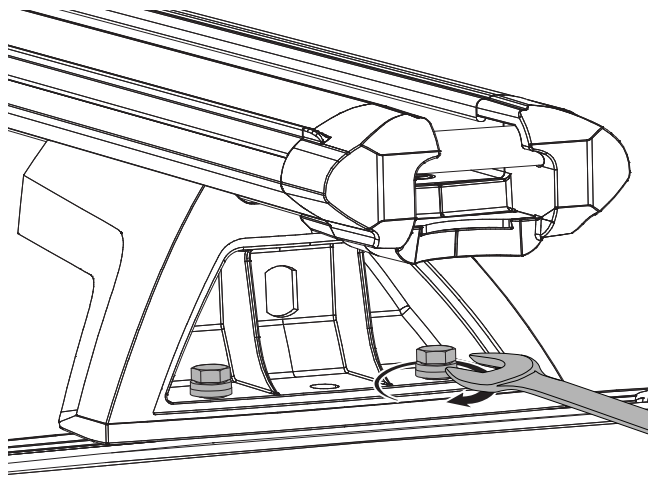
### 37 Place front and rear Bars back onto Track, ensuring there is a minimum distance of 700mm between each Bar. Measure from the centre of each Leg as shown.



**38**

Tighten all M6 Hex Screws to 5Nm using a 10mm Open Ended Spanner

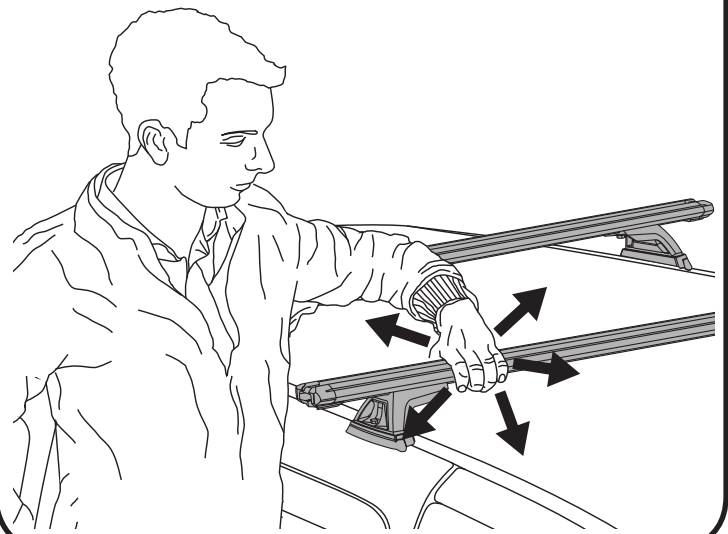
**Do not over tighten.**



**39**

**CHECK BAR LEGS ARE SECURE**

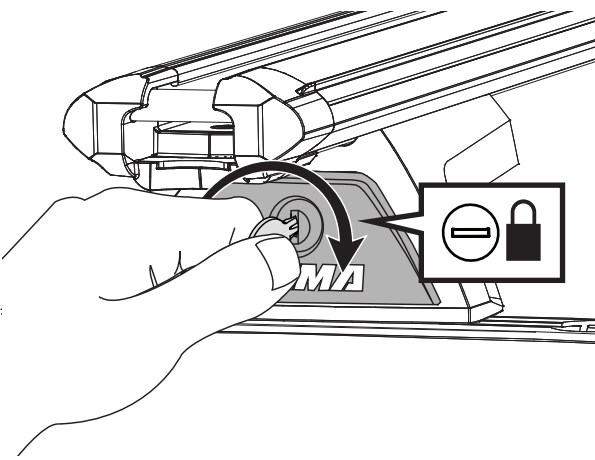
Check all Bar Legs are secure.



**40**

**FIT LEG COVERS**

Using the keys and Covers supplied in the LOCKN'LOAD Leg Kit, fit and lock all Leg Covers.



**41**

**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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