

ROLA

FITTING INSTRUCTIONS FOR
Toyota Prado 250
Released 2024

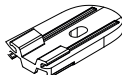










ANCHOR POINT EXTENDED Roof Rack
PART NUMBER: **APEX199-3/APEX199-2**
FITTING TIME: EST. 60 MINUTES





ROOF-RACK LOADING CAPACITY: **100kg**

ISSUE: A
ISSUE RELEASE DATE: 20/06/2025

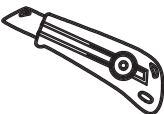


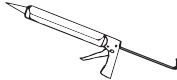

KIT DRAWING AND CONTENTS						3 BAR SYSTEM			
		QUANTITY PER LOCATION					QUANTITY PER LOCATION		
		REAR	MIDDLE	FRONT			REAR	MIDDLE	FRONT
	END SUPPORT (27-0752)	2	2	2		M6 x 25 STAR BOLT (22-0353)	2	2	2
	UNDER-COVER STRIP	1	1	1		M8 x 40 BOLT (22-0803)	4	4	
	LEFT ADAPTOR ML (27-0748)	1	1			M8 x 60 BOLT (22-0518)			4
	RIGHT ADAPTOR MR (27-0747)	1	1						
	LEFT ADAPTOR FL (27-0746)			1		M8 x 22 x 3 WASHER (PA237)	4	4	4
	RIGHT ADAPTOR FR (27-0745)			1		RUBBER WASHER (22-0519)	8	8	8

BKB - HEIGHT ADAPTOR KIT CONTENT					3 BAR SYSTEM				
		REAR	MIDDLE	FRONT			REAR	MIDDLE	FRONT
	SPACER BLOCK (27-0029)	2	2	2		SLUG NUT (27-0116)	2	2	2
	M8 HEX BOLT (22-0522)	2	2	2		M8 SPRING WASHER (22-0162)	2	2	2
	M8 x 25 x 1.6 WASHER (22-0186)	2	2	2		M8 HEX NUT (22-0139)	2	2	2
APEX FITMENT					CAP FITMENT				
		QUANTITY PER CROSSBAR					QUANTITY PER CROSSBAR		
	SPORTS END CAP (27-0782)	2				HEAVY DUTY END CAP (27-0345)	2		
	ROLA LOCK & KEY (22-0600)	2				HEAVY DUTY CROSS-BAR	1		
	SPORTS CROSS-BAR	1							

TOOLS SUPPLIED

	QUANTITY
 SECURITY KEY (22-0170)	1
 T27 STAR POST KEY (22-0811)	1

Prior to Assembly, check that your Roof Rack Box contains all the parts as listed above. Ensure the vehicle roof is clean and dry. Use Knife to cut through the packaging polybags.

TOOLS AND MATERIALS REQUIRED				
				
Cutting Knife - Use to open Kits, and trim Buffer Strip to size.	Measuring Rule Use to check dimensions and distances of cross-bars.	Marking Pencil Use to mark buffer strip.	Butyl Mastic Silicone Use to seal anchor holes.	13mm Spanner - Use to assemble Cross Bars.

KIT DRAWING AND CONTENTS				2 BAR SYSTEM			
		QUANTITY PER LOCATION				QUANTITY PER LOCATION	
		REAR	MIDDLE			REAR	MIDDLE
	END SUPPORT (27-0752)	2	2		M6 x 25 STAR BOLT (22-0353)	2	2
	UNDER-COVER STRIP	1	1		M8 x 40 BOLT (22-0803)	4	4
	LEFT ADAPTOR ML (27-0748)	1	1		M8 x 22 x 3 WASHER (PA237)	4	4
	RIGHT ADAPTOR MR (27-0747)	1	1		RUBBER WASHER (22-0519)	8	8

BKB - HEIGHT ADAPTOR KIT CONTENT				2 BAR SYSTEM			
		REAR				REAR	
			MIDDLE				MIDDLE
	SPACER BLOCK (27-0029)	2	2		SLUG NUT (27-0116)	2	2
	M8 HEX BOLT (22-0522)	2	2		M8 SPRING WASHER (22-0162)	2	2
	M8 x 25 x 1.6 WASHER (22-0186)	2	2		M8 HEX NUT (22-0139)	2	2
APEX FITMENT				CAP FITMENT			
	SPORTS END CAP (27-0782)	QUANTITY PER CROSSBAR			HEAVY DUTY END CAP (27-0345)	QUANTITY PER CROSSBAR	
	ROLA LOCK & KEY (22-0600)	2			HEAVY DUTY CROSS-BAR	1	
	SPORTS CROSS-BAR	1					

THESE PARTS ARE USED TO SEAL THE UNUSED RAIL ANCHOR POINTS

	QUANTITY
	4
	4
	4

TOOLS SUPPLIED

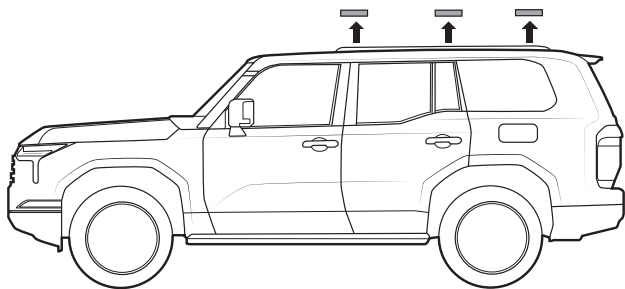
	QUANTITY
	1
	1

Prior to Assembly, check that your Roof Rack Box contains all the parts as listed above. Ensure the vehicle roof is clean and dry. Use Knife to cut through the packaging polybags.

TOOLS AND MATERIALS REQUIRED				
Cutting Knife - Use to open Kits, and trim Buffer Strip to size.	Measuring Rule Use to check dimensions and distances of cross-bars.	Marking Pencil Use to mark buffer strip.	Butyl Mastic Silicone Use to seal anchor holes.	13mm Spanner - Use to assemble Cross Bars.

INSTALLATION STEPS - 3 BAR / 2 BAR SYSTEMS

Fig 1



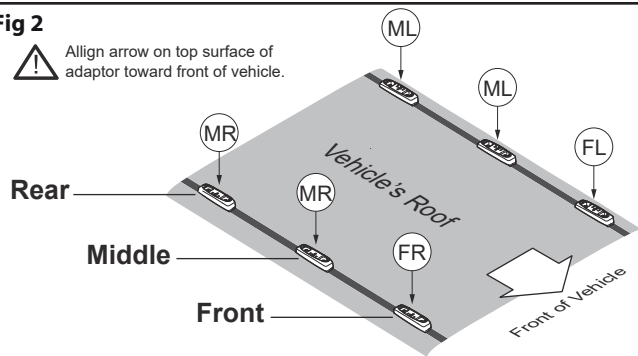
STEP 1

Remove the roof rail and weather strips. With a trim tool remove the plastic caps on the flush rail.

Trim and re-install weather strips as desired.

Fig 2

⚠ Align arrow on top surface of adaptor toward front of vehicle.



STEP 2

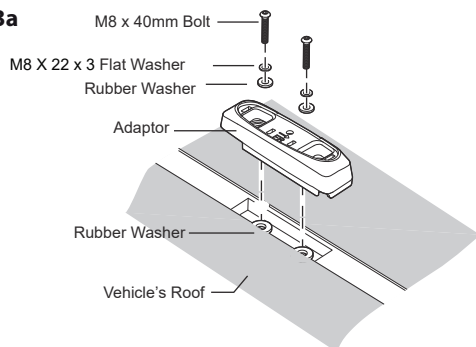
Note the location of the adaptors.

The middle and rear positions use the same adaptors. The front position uses a front specific adaptor.

For 2 crossbar systems, only install in the middle and rear.

REAR

Fig 3a



STEP 3

Install each adaptor with the specified fasteners as shown and tighten.

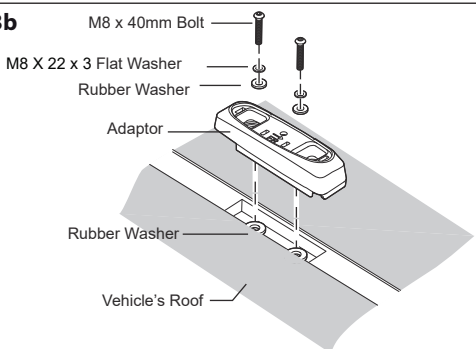
Each location uses a different combination of fasteners.

Note the different bolt lengths.

Pay careful attention to use the correct fasteners as shown.

MIDDLE

Fig 3b



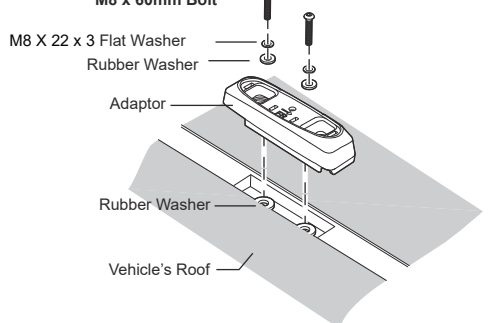
STEP 4: 2 BAR SYSTEM ONLY

Skip this step for 3 bar systems.

For fitments using less than 3 crossbars, the unused rail anchor holes in front must be sealed up to prevent water ingress to the vehicles roof. Install fasteners and rubber washers as shown.

FRONT

Fig 3c



Further seal with butyl mastic silicone as required.

Fig 4a

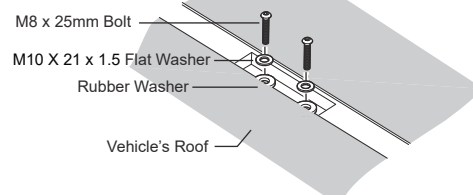
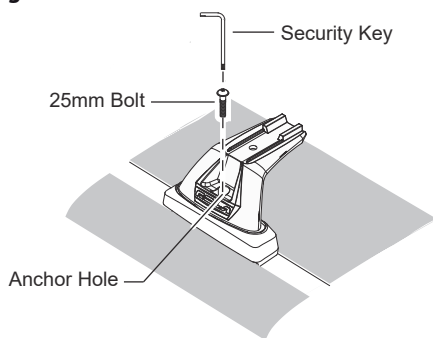
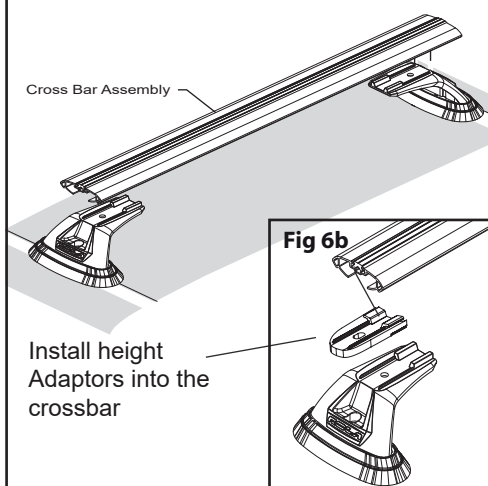


Fig 5**STEP 5**

Install an end support on each adaptor using the M6 x 40 mm bolt.

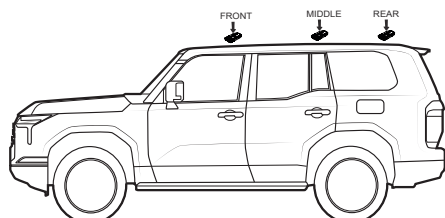
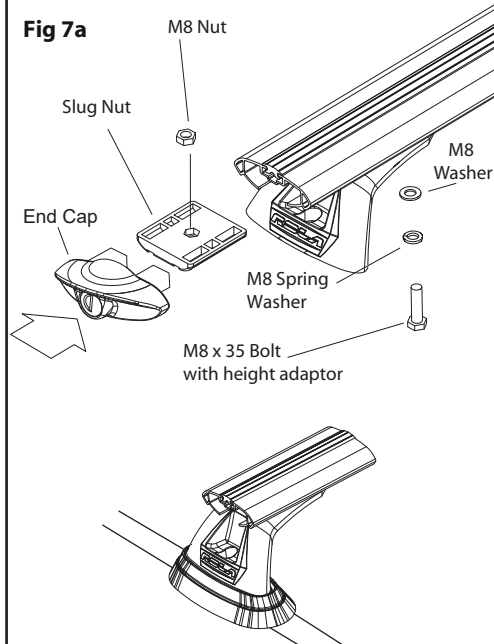
Fig 6a**STEP 6**

For 3 bar system insert height adaptors into each crossbar for the front, middle and rear position.

For 2 bar system, place height adaptors in the middle and rear.

Place the crossbar along with height adaptors on top of end supports ensuring that the end supports are located into the cutouts on the underside of the crossbar (Fig. 6a).

Check that the cross bar has equally distanced overhang on either side from the end support.

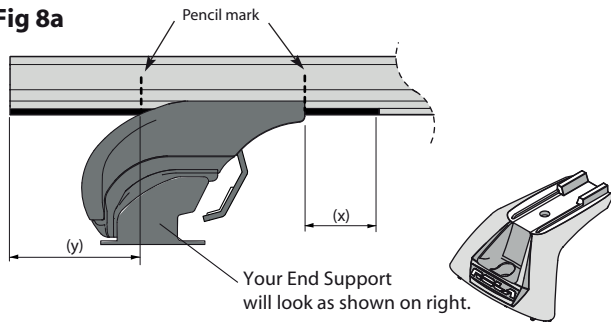
Fig 6c**Fig 7a****STEP 7**

Insert the M8 nut into the cavity on the Commercial Slug. Insert the slug nut into the cross tube, and align it so that the M8 nut in the slug nut and the hole at the bottom of the end support line up.

Tighten the M8 hex bolt on the underside of the end support using a 13mm spanner. Use the correct bolt and height adaptor combination. (35mm length with height adaptor, 20mm length without height adaptors).

Tighten all M8 bolts to 6-7 Nm

Repeat Step 6-7 for remaining crossbars.

Fig 8a

STEP 8: UNDERCOVER STRIP

With the cross-bar loosely positioned symmetrically between the End supports, mark up the location of the End Support against the gaps requiring coverage, using a lead pencil. Using a rule, measure the distances for (X) and (Y) as shown in (Fig. 8a)

With the cross-bars removed, line up the undercover strip with the cut-out on the cross-bar. Ensuring the 'Strip edge' and the 'cross bar cut-out edge' are aligned, mark the strip with a line that corresponds to the line you marked on the crossbar, as instructed above and in (Fig 8a). Using a Rule and Blade, score a straight line and snap off this piece from the length of undercover strip. This becomes Cut Length (A).

Slide 'Cut Length (A)' into the gap until it butts up against the end edge of the gap (Fig 8c). Do this for all four cross-bar over-hang endings.

Next, insert all four End Supports into position. Using the remaining lengths of Under Cover Strip, insert into the remaining gap of the cross bar until it touches the edge of the End Support. Trim the strip back to align with the edge of the cross-bar for all four 'Cut Length (B)' strips as shown in (Fig 8d).

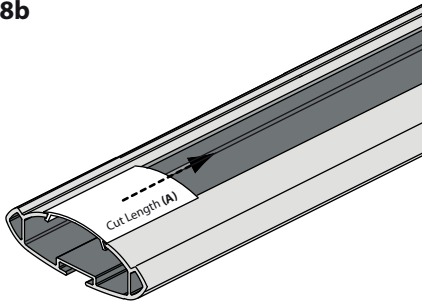
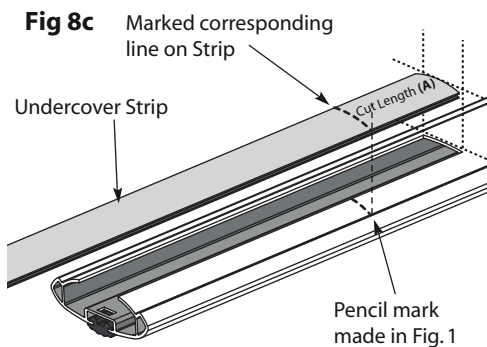
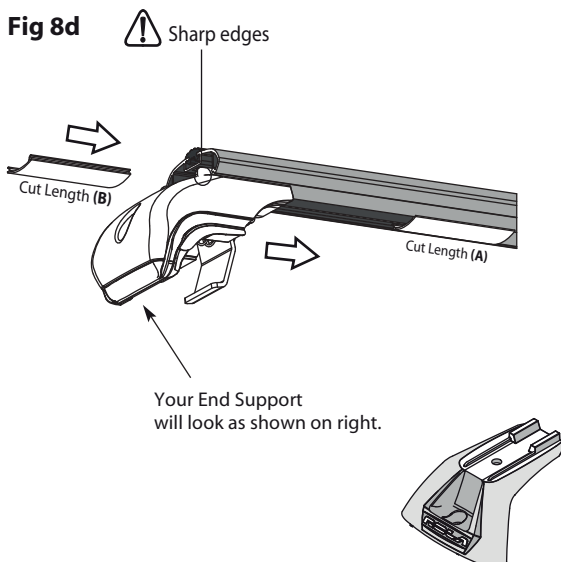
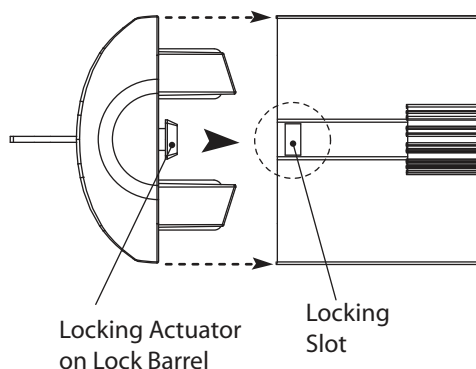
Fig 8b**Fig 8c****Fig 8d**

Fig 9



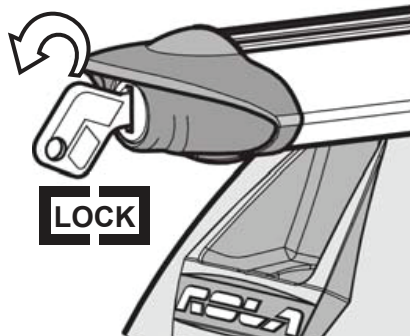
STEP 9

Insert Endcap into the Cross-bar. (Fig 9).

CAP heavy duty bars do not come with locking end caps. Insert until end cap clips in place.

For APEX locking end caps, push through until End-cap edge comes to rest against the edge of the cross-bar. This is important as the Locking Actuator inside the Endcap has to locate within the Locking slot on the end of the cross-bar.

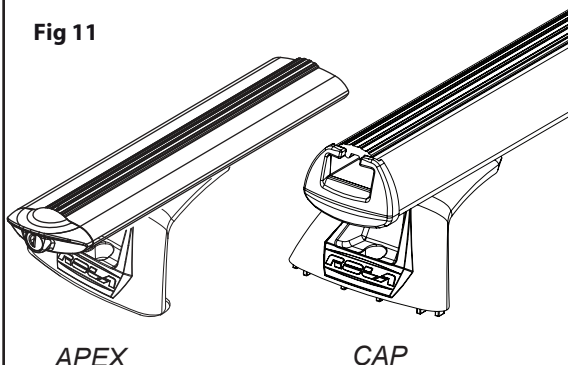
Fig 10



STEP 10

The APEX sports bar can be locked as shown.

Fig 11



STEP 11

You are now ready to mount your accessories, eg. Bike Carrier, Kayak carrier, etc. utilising the "Global Channel" if applicable. (Fig. 11).

Place the accessory onto the buffer strip in the location where it will be mounted in relation to your cross-bars. Using a marking and measuring tool, ie. pencil/tape measure - make your mark onto the rubber buffer strips.

Next, completely remove the buffer strip from its channel within the cross-bars and cut out the portion using heavy duty scissors/shears.

NOTE: DO NOT dispose of this rubber strip but store it in a secure place to be re-mounted once the accessory has been removed from the rack. This will help reduce wind noise during travel.



USAGE INSTRUCTIONS

It is essential for the proper assembly, operation and use of the Roof-rack that the instructions and safety precautions supplied are strictly observed. The Maximum permissible load for your Roof Bar is the lower of the maximum load capacity specified in you vehicle operation manual, or specified as applying to the Roof-rack. Do not exceed the maximum specified Load capacity.

Maximum Permissible Load = Weight of the Roof-rack + Weight of Accessories + Weight of Load(Cargo).

When fitting the Roof-rack and transporting a load, ensure the vehicle's functions are not impaired (eg. sunroof, aerials, windscreen wipers, mirrors). Rear doors on Hatch - and wagon-type vehicles should be inspected for adequate clearance for full opening operation of the boot/tailgate.

Stop and check all screw connections, bolts and retaining straps after a short distance of travel. Repeat these checks at regular intervals.

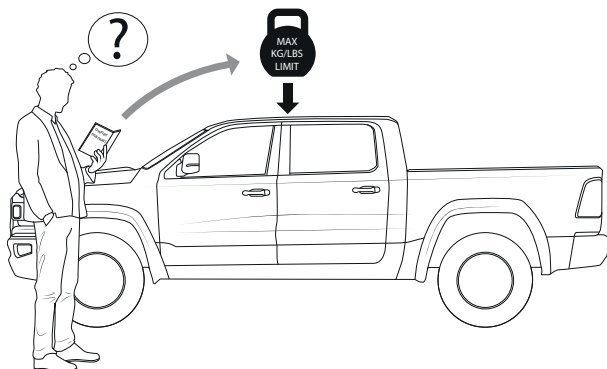
WARNINGS

Remember that the fitting of a Roof-rack and the transport of a load increases the overall height of the carrying vehicle.

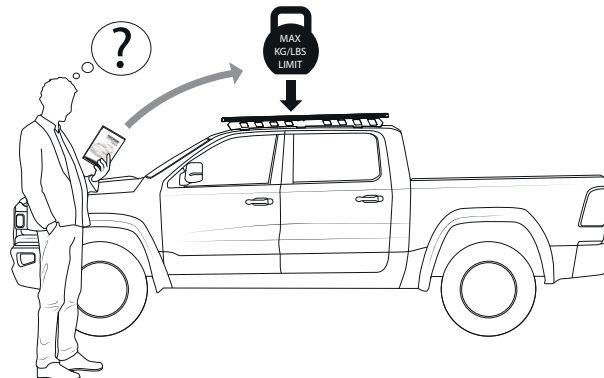
Where the roof-rack is to be used in off-road conditions, a safety weight reduction of 1.5 should be observed from the total carrying capacity (eg. 60kg becomes 40kg).

ROLA will not be liable to the purchaser of any other person for any consequential, direct or indirect loss, damage or costs incurred or suffered by the purchaser or any other person including but not limited to damage to persons or property, loss of turnover, loss of profits, loss of business or goodwill arising from or in relation to the assembly and use of the Roof-rack, or the non-observance of the fitting and care instructions.

Manufactures roof weight limit - rack system weight = Max carrying capacity.

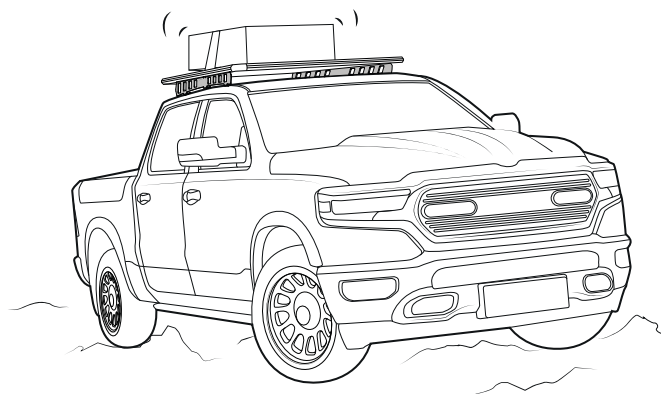


Cross reference with system max carrying capacity. **Always use the lower of the two figures.**



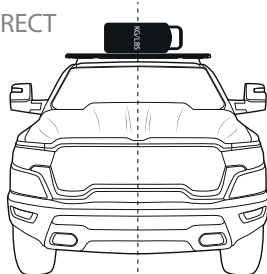
IMPORTANT - Off-road load rating reduction.

System	Track Mount	Anchor Point	Gutter Mount	Raised Rail	Flush Rail	Clamp Mount
Platform+ Ridge Mount	0%	0%	25%	0%	N/A	N/A
Platform+ Low Mount	33%	33%	33%	33%	33%	50%
Sports Extended	33%	33%	33%	33%	33%	50%
Sports Concealed	33%	33%	33%	33%	33%	50%

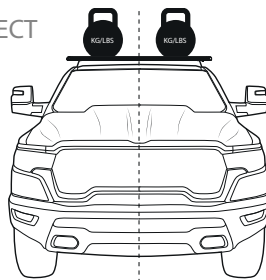


Distribute carried load evenly longitudinally and as low as possible.

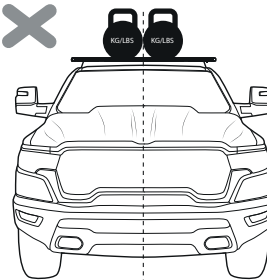
CORRECT



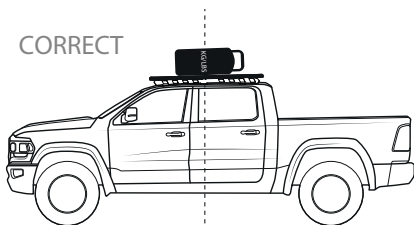
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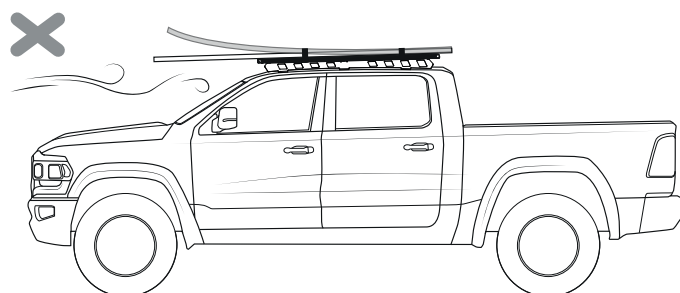
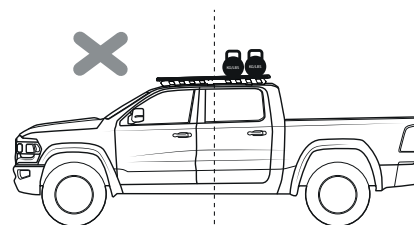
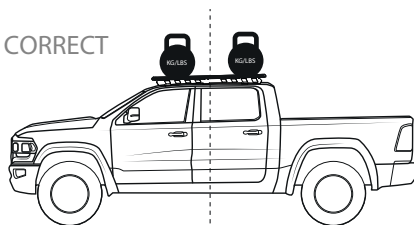
Do not concentrate loads front or rear.



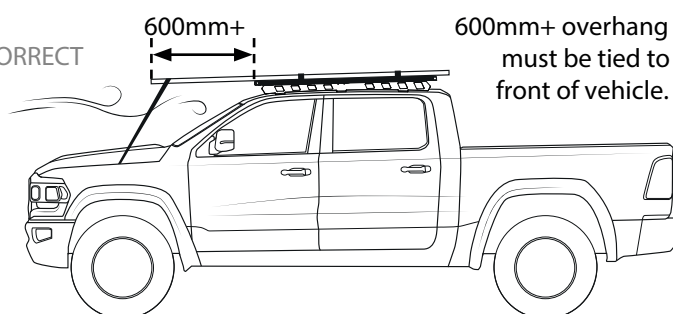
CORRECT



CORRECT

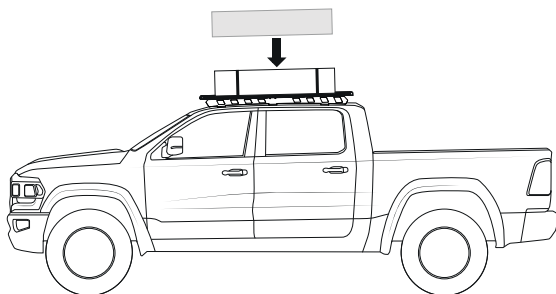


CORRECT

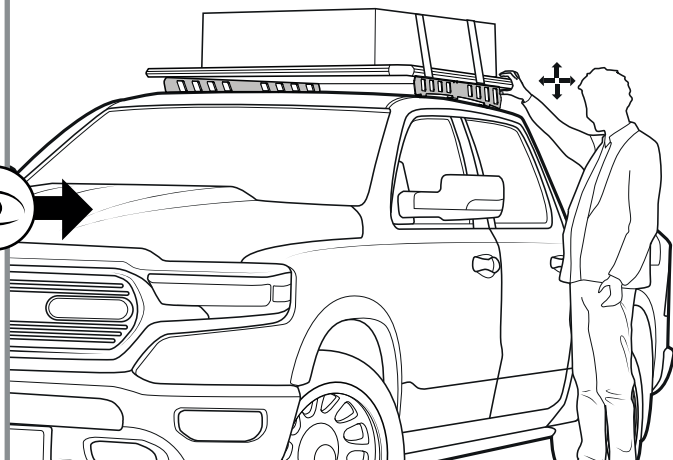


600mm+ overhang must be tied to front of vehicle.

(A)

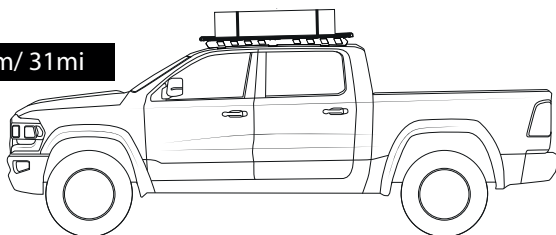


Check all fixtures are secured and torqued correctly.

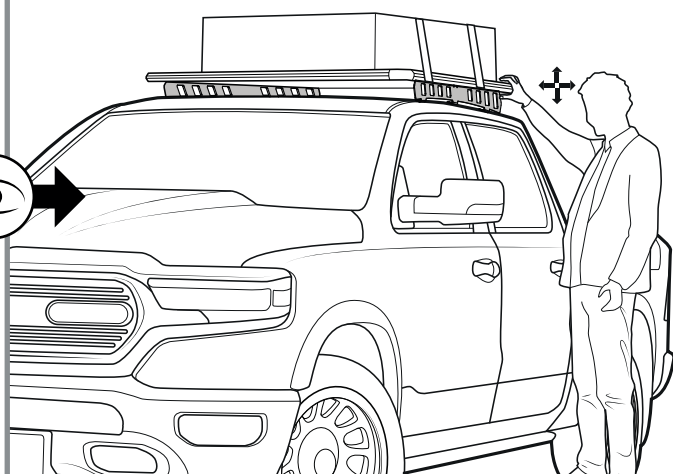


(B)

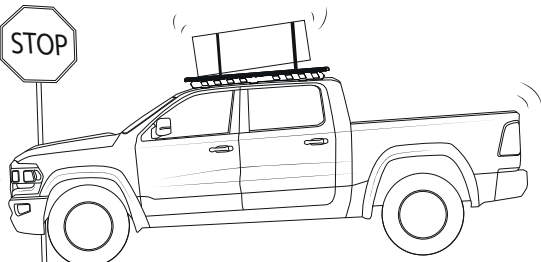
50km/ 31mi



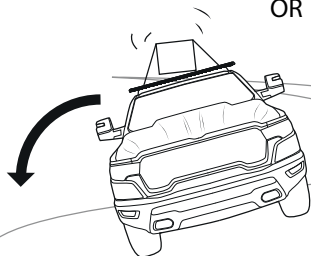
Check all fixtures are secured and torqued correctly.



STOP

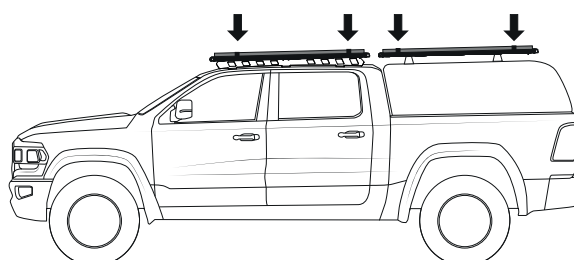
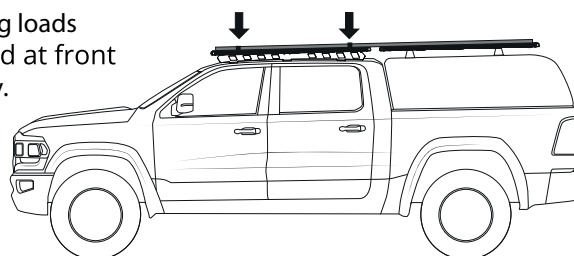


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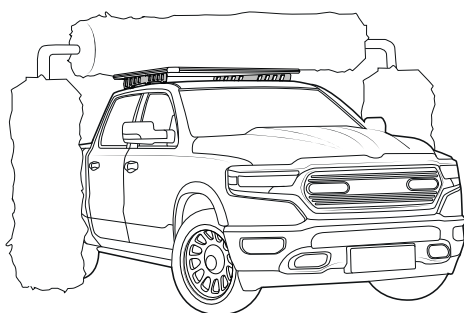


Cab and canopy can move independently, do not fix load across both.

Long loads fixed at front only.



Do not use car-wash with roof rack systems.



Be aware of adjusted vehicle height.

