



RHINO-RACK
Aerodynamic & Heavy Duty Roof Rack Systems

Toyota Landcruiser 100 Series Sportz Roof Rack
Two crossbars.

Part No. RSP02FM.

Installation Time: Approx. 20mins

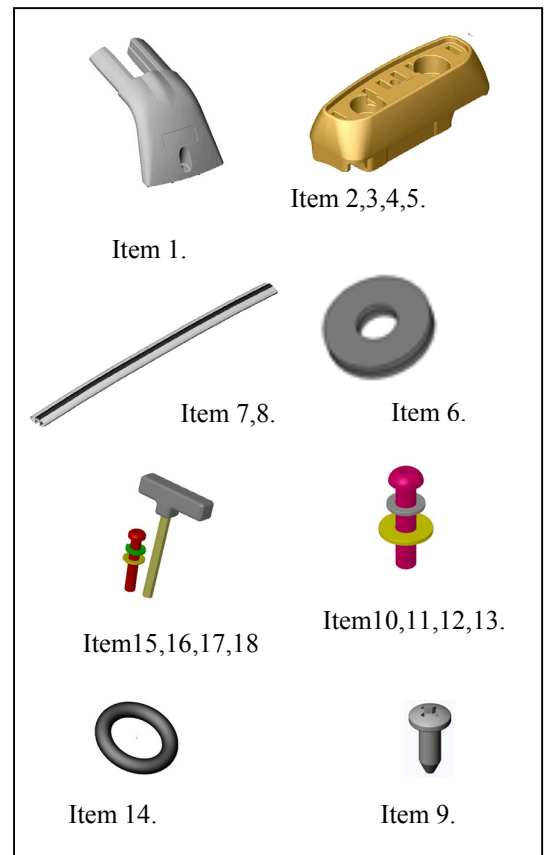
Place these instructions in vehicle's glovebox after installation is complete.

Important: Please read these instructions carefully prior to installation.

Parts List

Important: Check contents of kit before commencing fitment and report any discrepancies.

| Item. | Component Name. | Qty. | Part No. |
|-------|--|------|-----------|
| 1 | Sports pad leg. | 4 | M094 |
| 2 | Front left mounting pad with gasket. | 1 | M095 |
| 3 | Front right mounting pad with gasket. | 1 | M096 |
| 4 | Middle left mounting pad with gasket | 1 | M097 |
| 5 | Middle right mounting pad with gasket. | 1 | M098 |
| 6 | Mounting pad washer gasket. | 8 | C372 |
| 7 | Front crossbar with buffer strip. | 1 | A155/R011 |
| 8 | Middle crossbar with buffer strip. | 1 | A155/R011 |
| 9 | 10G x 1/2 Pan Phillips self tapping screw. | 4 | B045 |
| 10 | M8 x 50 socket button head screws. | 4 | B126 |
| 11 | M8 x 40 socket button head screws. | 4 | B127 |
| 12 | M8 spring washers. | 8 | W019 |
| 13 | M8 Flat washer. | 8 | W030 |
| 14 | 7mm mounting pad O rings | 8 | C299 |
| 15 | M6 x 32 Security bolts. | 4 | B064 |
| 16 | M6 Flat washers. | 4 | W003 |
| 17 | M6 Spring washers. | 4 | W004 |
| 18 | Security Allen key. | 1 | H011/H013 |
| 19 | Cover Plate. | 4 | M126 |
| 20 | Fitting Instructions. | 1 | |

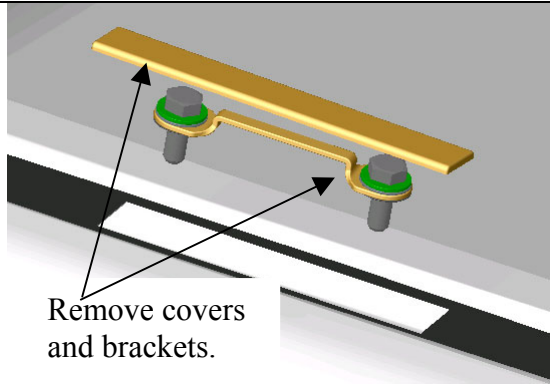


Tools Required:

Phillips Head Screw Driver.
Security Type Allen Key (provided in kit).

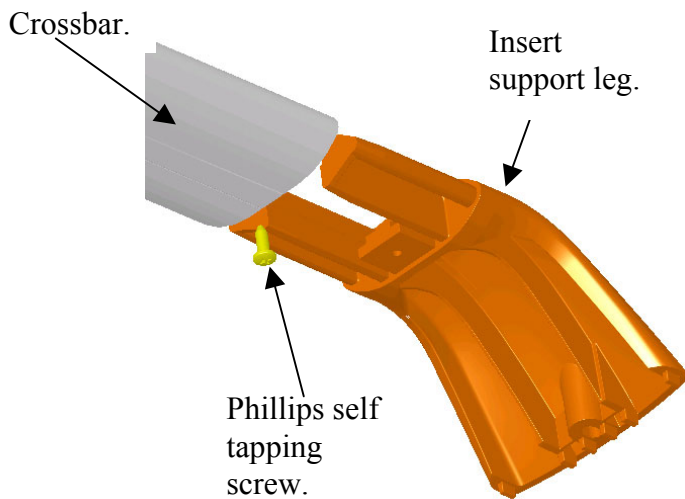
Care Instructions:

Clean vehicle roof prior to fitting the roof racks.

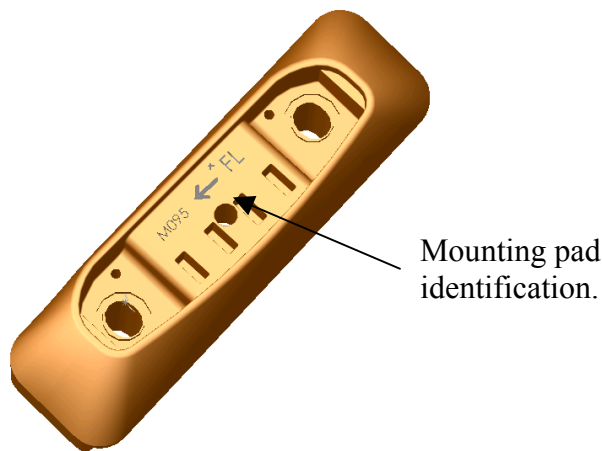


- 1: Remove the front and middle pair of roof rack attachment point covers.
- 2: Remove exposed bolts and brackets.
- 3: Store covers, bolts and brackets in a safe place.

Note: The existing bolts and washers are not used to fit the mounting pads.

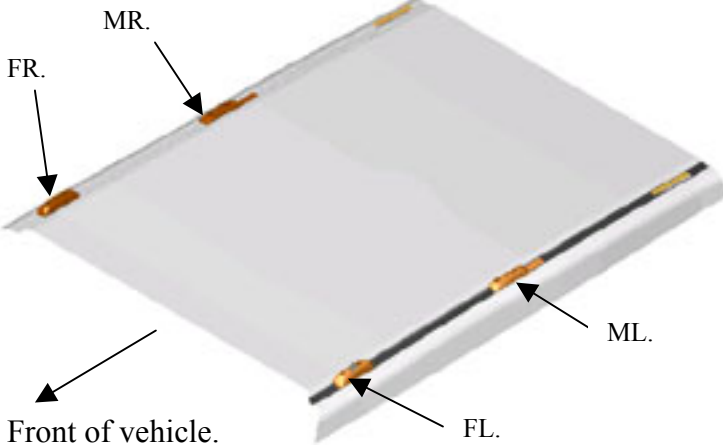


- 5: Insert the support leg (item 1) fully into the crossbars (item 7,8).
- 6: From the underside of the crossbar insert the Phillips screw (item 9) into the hole provided and screw into the support leg to secure the leg to the crossbar.



- 7: Each mounting pad is identified with a part number, position code and direction arrow. **The arrow must point to the front of the vehicle.**
The mounting pad position code is as followed: -
Front left side pad – FL (item 2).
Front right side pad – RL (item 3).
Middle left side pad – ML (item 4).
Middle right side pad – MR (item 5).

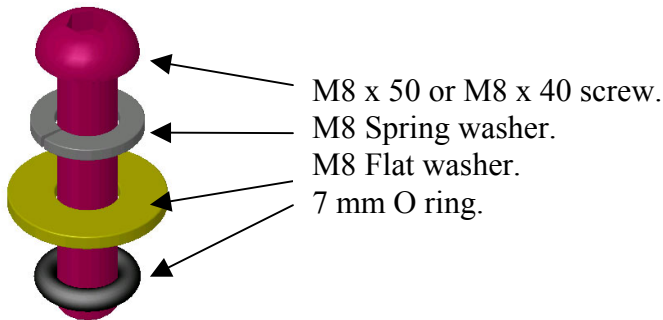
Mounting pad layout.



8: Using the mounting pad layout as a guide, place the pads onto their respective positions.

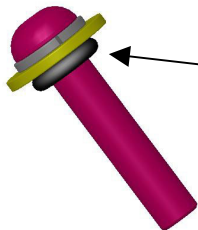
Note:

Ensure that the arrows on the pads are facing forward.



- M8 x 50 or M8 x 40 screw.
- M8 Spring washer.
- M8 Flat washer.
- 7 mm O ring.

Diagram 1.

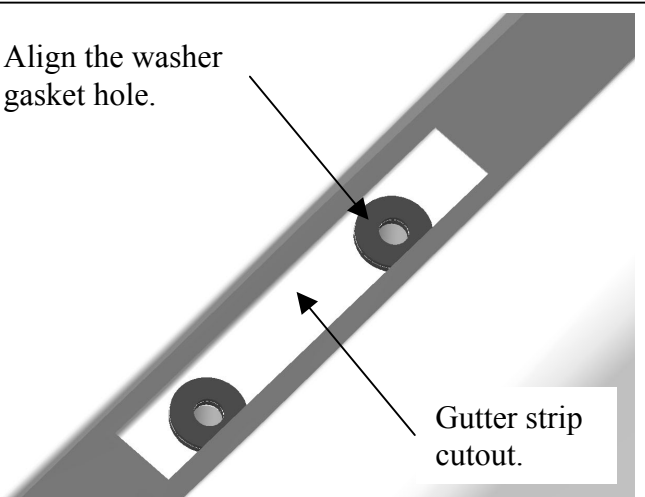


The O ring must be in this position prior to inserting the screw assembly into the mounting pad.

9: Place the M8 spring washer, M8 flat washer and 7mm O ring (item 12,13,14) onto M8 screws. Ensure that the O ring is pushed up under the flat washer as per diagram 1.

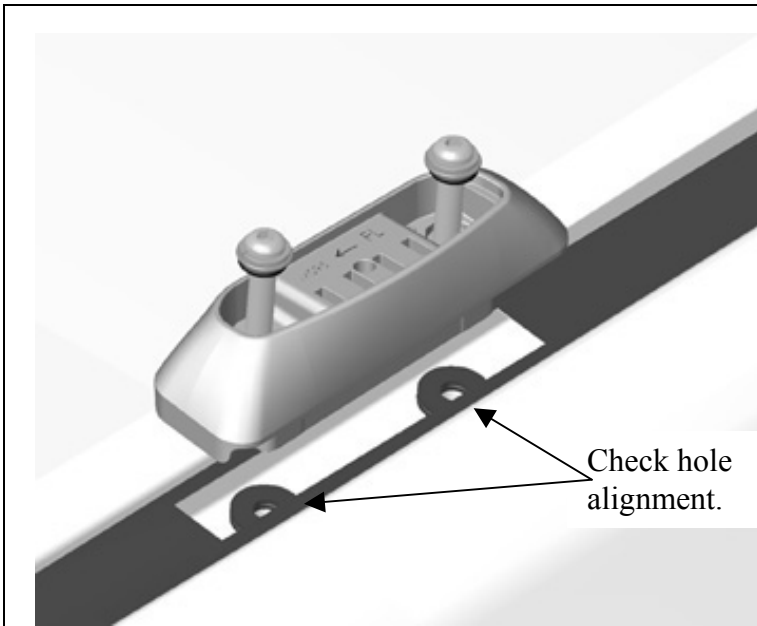
- For front mounting pads use M8 x 50mm screws (item 10),
- For middle mounting pads use M8 x 40mm screws (item 11).

Align the washer gasket hole.



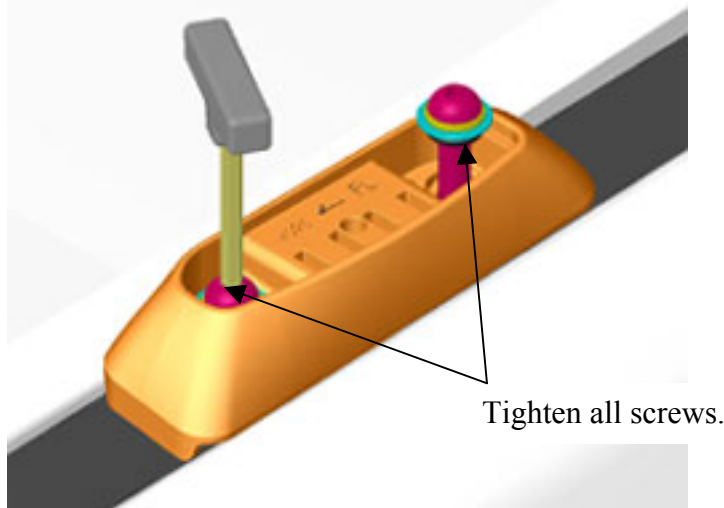
Gutter strip cutout.

10: Place the mounting pad washer gaskets (item 6) in the gutter recess and align the hole in the washer gasket with the mounting pad nutserts.



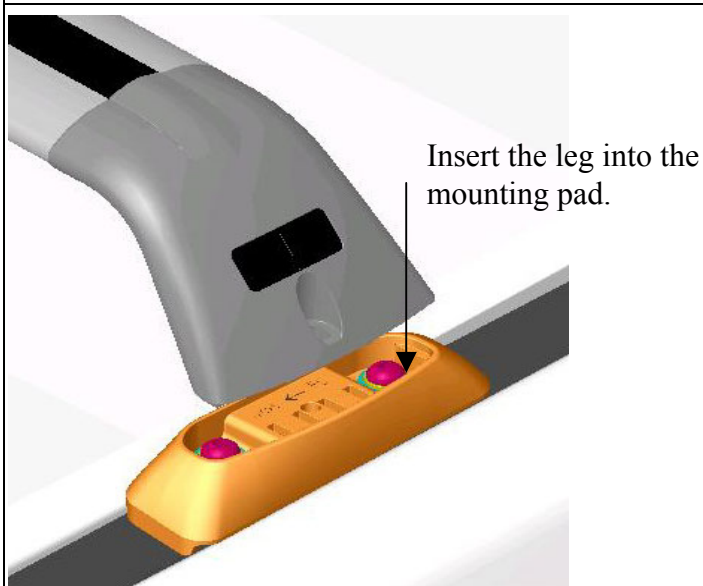
11: Insert the bolts through the mounting pads and washer gasket, and screw into the nutserts in the vehicles roof.

Note: Before inserting the screws check that the washer gasket has not moved and the nutsert is fully visible through the mounting pad hole.

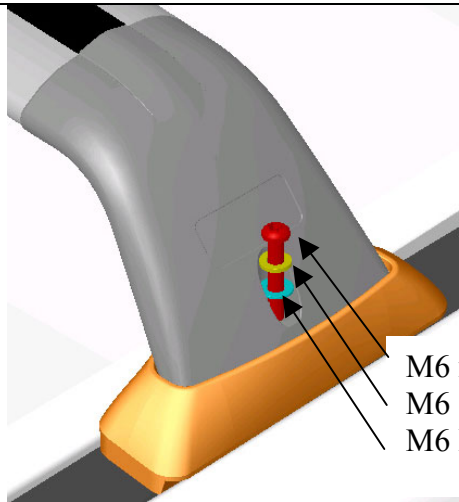
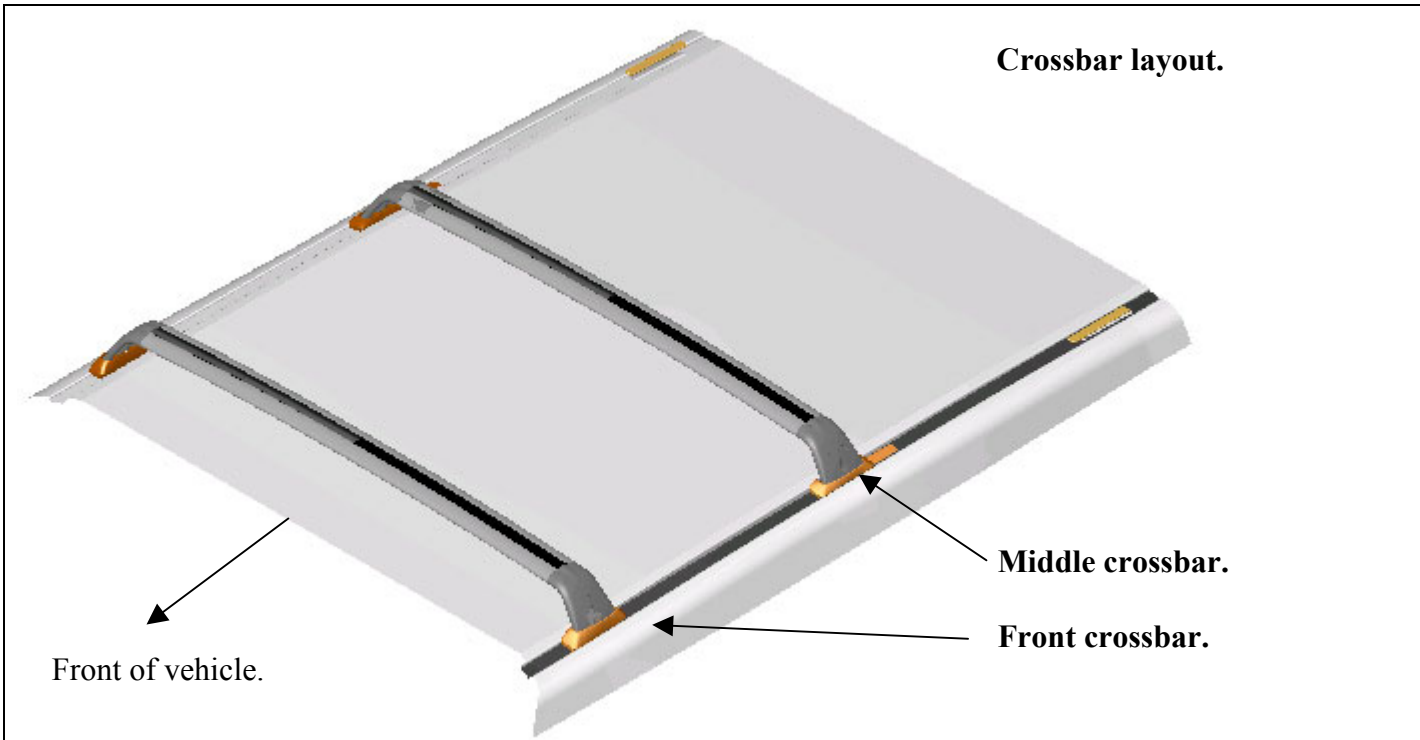


12: Tighten all screws using the Allen key provided (item 18).

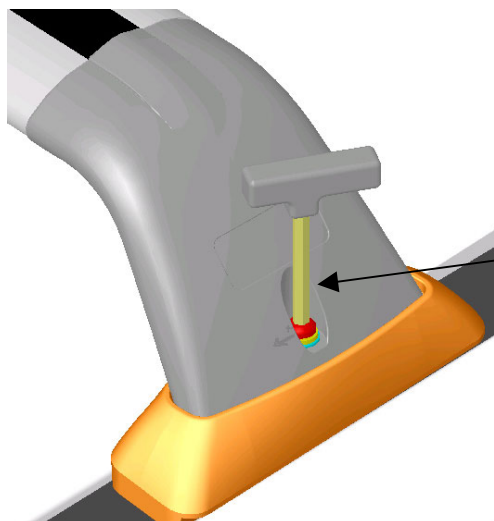
Recommended tightening torque 4N/m



13: Insert the support legs into the mounting pads. The crossbar is identified as **Front and middle**, refer the crossbar layout.



14: Place the M6 spring washer and M6 flat washer onto the M6 x 32mm security screw (item 15,16,17). Insert the M6 screw assembly through the support leg and screw into the mounting pad.



15: Using the security Allen key (item 18) provided tighten support leg attachment screws to secure the crossbars.

When removing the crossbars, unscrew the attachment screws and remove the crossbars. The mounting pads can remain attached to the roof if desired.

Recommended tightening torque 3N/m



**Maximum carrying capacity – 2 crossbars 80Kgs.
3 crossbars 120Kgs.**

- The maximum carrying capacity specified in the fitting instructions and on the crossbars should not be exceeded. The capacity noted in the vehicles owners' handbook should be observed. Where the load capacity differs, the lower of the nominated load capacities applies.
- Ensure that all loads are evenly distributed across the crossbars and then center of gravity kept as low as possible.
- Heavy and narrow loads should be carried near the roof rack support legs (Item 1). Check the security of the load and tension of the roof rack security screws before departing and regular intervals during the journey.
- Surf boards or similar item must not be carried side by side but stacked on top of each other and secured front and rear of the vehicle.
- It is recommended that where specialized accessories are available for carrying ie cycles or canoes, these should be used.
- Loads projecting beyond the vehicle length must be secured front and back.
- Be aware of the statutory requirements regarding maximum permissible projections from the vehicle.
- **Remember that the Roof Racks increase the overall height of the vehicle.**
- Use only **NON-STRETCH TIE DOWN straps to secure the load.**
- Any load carried on the vehicles roof will adversely affect its handling and braking , particularly in cornering or in cross wind, the vehicle should therefore be driven with increased caution.
- Roof racks should be removed prior to using a car wash.
- The roof racks should be removed regularly to clean adjoining vehicle surfaces and attaching locations. Bolts, screws and cage nuts should be lubricated at regular intervals and checked for tension.
- Roof racks should not remain on the vehicle for extended periods when not required.
- To reduce fuel consumption, remove Roof rack when not in use.

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| RHINO - RACK | No: 03 |
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