

Installation

Preparation

Components



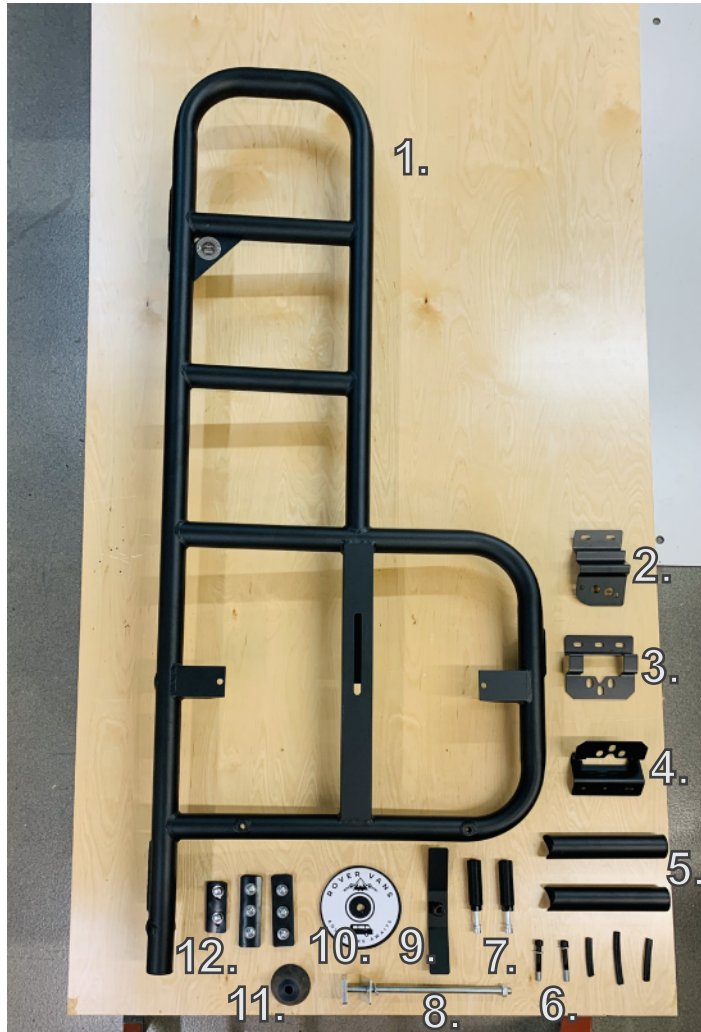
Rover Vans Ladder/Tire Rack Installation Instructions

For Ford Transit Rear Door, Driver's Side

Installation Time:
60 - 90 Minutes

Components

- * Lay out all components on a clean work surface. *
- Check to make sure all pieces that are accounted for and undamaged.



1. Ladder/Tire Rack Combo
2. Latch Bracket
3. Upper Hinge Bracket
4. Lower Hinge Bracket
5. Tire Supports
6. Tire Support Bolts
7. Mast Steps and Bolts
8. Center Wheel Mount Bolt
9. Winged Handle
10. Rover Vans Face Plate
11. Cone Spacer
12. Rubber Spacers
(Not needed in new versions)

Tools Needed

- Metric Socket Set
- Metric Wrench Set or Adjustable Wrench
- Torque Wrench
- Allen Key Set
- Wire Cutters
- Utility Knife
- Rag and Cleaning Supplies

Preparation

1

Using an 8mm Allen Key attach the Tire Supports to the Ladder Rack on the bottom horizontal bar by inserting the Bolt and Lock Washer from behind. Fasten the Tire Support to the front of the rack.



2

From the backside of the ladder attach the Center Wheel Mount Bolt in the center of the rack. Then place the square washer, then the lock washer, and lastly the nut to fasten the Center Wheel Mount Bolt. Once the Mount Bolt is on place the Cone Spacer before the Winged Handle and hand tighten.

3

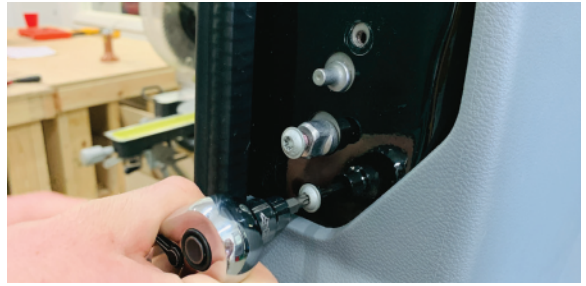
Install the Mast Steps by threading the Bolts and Washers from behind into the provided Foot Pegs.



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Locate the door latch on the inner edge of the driver's side rear door. Remove the door latch using a T30 torx bit. Next, remove the two bolts holding the locking mechanism.



5

Temporarily remove about 12 inches of the Door Seal, place Latch Bracket on the door. Mark on the door seal ribbed channel where it aligns with top and bottom of bracket. Cut relief lines in the ribbed channel. Clean the area thoroughly. Place a strip of the Vinyl Tape on the exposed area of the door, underneath the seal. Start from the outside edge, working your way inside the door. Cut out where the bolts attach.

*If you don't want to cut the weather strip, check step 15.



6

Place the Latch Bracket on the door and align holes on the bracket with the bolt holes on the van. Place the previously removed bolts back in, and re-attach the Latch Handle and make sure the post is centered so the door will operate properly.



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Use a marker to trace the outer profile of where the hinges attach to the door. This will help to put the hinges back in the right place so the door closes properly.

8

Unlock and disconnect the Middle Latch so that the door is able to swing fully open.



9

Grab a friend and have them hold the bottom of the door to support its weight. Remove the three 13mm bolts attaching the Upper Hinge to the door.



10

If your Transit has 180° hinges, you need to install three M8 washers on each bolt underneath the Upper Hinge Bracket. (See picture)



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Apply Vinyl Tape to the inside of the door, similar to Step 5. Swing the hinge out, place the Hinge Bracket and over the hinge so that the three vertical mounting holes are protruding outside the door. The Bracket should be boleted on the outside of the hinge, not sandwiched between the hinge and the door.

Repeat Steps 7-9 for the lower hinge.

12

To attach the Ladder Rack to the van, align and hand tighten the bolts on the Upper and Lower Hinge Brackets. If your Ladder/Tire Rack Combo came with Rubber Spacers, have your friend hold the Ladder Rack up while you place the Rubber Spacer between the Ladder Rack and the Latch Bracket. Secure in place.



13

Once the Latch area is secure, make sure that no gaps are visible in the slots for the bolts on the Hinge Brackets. Fasten the top bracket in place. Once the top is fastened, leave about a 1/8 to 1/4 inch gap between the lower part of the Rack and the vans plastic cladding. Then secure the lower Bracket.

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Once everything is fastened down, you can attach your wheel by removing the Winged Handle and Face Plate. Make sure the Center Support is centered based on the size of your wheel and tighten the nut. Place your wheel on the Center Support and put the Face Plate back on. Secure with the Winged Handle until tight.



15

If you don't want to remove the weather strip of your door, we also include another bracket to take the place of the Latch Bracket.

To install, place the new bracket in the place where the Latch Bracket would sit. Mark the holes (where the bolts are in the picture) on the face of your van door. Then, drill out the holes and install using the bolts. The open holes should be oriented towards the outside of the door.



Now you are ready for adventures with your new Ladder/Tire Rack Combo!