

TOPPER VAN RACK INSTALLATION GUIDE



TOPPER
MANUFACTURING



OBSERVE LOAD LIMIT OF 500# FOR STANDARD RACKS AND 750# FOR HEAVY DUTY RACKS. SECURELY TIE DOWN ALL OBJECTS CARRIED ON RACK. PERIODICALLY CHECK AND TIGHTEN NUTS ON THREADED HOOKS. DO NOT DRILL INTO OR ALTER RACK IN ANYWAY.

WARNING

Made in the USA.



TOPPER MANUFACTURING

STEPS 1 -3

(NOTE* If using a “Knock-Down” rack, proceed to page 6 first, then continue here.)

1. Lay one of the siderails flat on the ground with the large hole facing up and insert the crossbars.



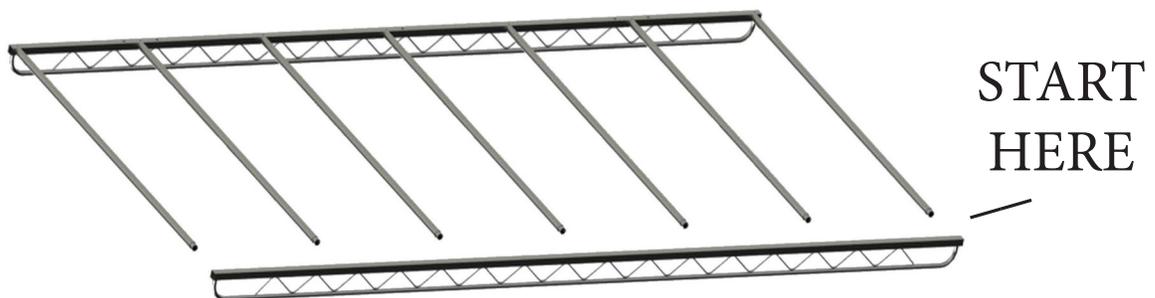
NOTE: For standard Chevy/GMC, Ford Econoline and Sprinter Low Roof Van Racks up to 2006.

The crossbars with the extra 5/16” holes should be placed in the middle hole and the second holes from the end of each side rail. Ford Transit rack models do not utilize the holes shown in the drawing above. However, there still may be (3) crossbars with the (3) extra 5/16” holes. Should you have (3) crossbars with these extra holes, please follow these steps for proper placements. The holes will not be used and they are not required for Ford Transit vans. The (3) crossbars with the extra 5/16” holes should be placed in the middle hole and the second holes from the end of each side of the rail.

2. Tilt rack down and secure the crossbars with 1/4” self-threading screws.

3. Assemble the second rail. Start at one end and secure the siderail to the crossbar. Then insert the other crossbars into the siderails. Carefully stand the rack on its side with this side up. Using a square, square the siderails up to the crossbars by cautiously pushing the siderail back and forward.

Secure them with 1/4” self-threading screws. Insert square end caps into each end of the side rails.



For FORD ECONOLINE Vans proceed to pg 2.

For FORD TRANSIT FULLSIZE Vans proceed to pg 2-5.

For FORD TRANSIT CONNECT Vans proceed to pg 6.

For GMC/CHEVY EXPRESS Vans proceed to pg 7.

For SPRINTER Vans proceed to pg 8.

For NISSAN Vans proceed to pg 9.

For DODGE PROMASTER Vans proceed to pg 10.

For Knock-Down Rack install diagram proceed to BACK COVER.

FORD ECONOLINE VANS

FORD ECONOLINE VANS 1992 AND UP

4. With help, turn the rack over and set it on top of the roof of the van roof. For protection, place blanket or large sheet of cardboard on the roof before placing the rack on top. Position the rack on the roof so that it is centered sideways and extends slightly over the back of the van.



5. Lift rack and insert supports into 7/16" hole on the underside of the rack. Make sure to place the 3/8" washers in between the washers welded to the support and the bottom of the rack. Insert the threaded hook into the crossbar and gutter clip onto threaded hook and push up under van rain gutter. Place 5/16" nylon locking nut onto threaded hook and tighten all supports equally, as the van will move in the direction of the support being tightened.

6. Be careful not to over tighten, doing so may cause damage to the rack or the rain gutters on the van.



FORD TRANSIT VANS

FORD TRANSIT FULL SIZE VANS WITH 130," 148" AND 148" EXTENDED WHEELBASE

4. Set the completed van rack assembly off to the side and proceed to secure the channels and supports to the roof of the van.

5. Place channel on the roof of the van and align the factory mounting positions with the predrilled holes in the mounting channel. NOTE: Not all plugs on the roof will be removed. Some are only through-access points designed for wiring of exterior components.



6. Once the correct mounting positions have been determined, carefully and gently run the blade along the bottom edge of the plug with an exacto knife or blade to remove the plug and access the factory mounting positions. FIG A.



7. With the correct plugs on each side removed, clean the factory threaded with a M8 x 35 hand tap to remove any debris or paint chips that may impede securing the channels to the factory mounting positions securely to roof of van. NOTE: Tap not included. FIG B.



8. After the plugs have been removed and the threads cleaned, cut the buttle tape squares provided into approximately 1/4" strips. Bend the strips around forming a circle with the center opening just big enough to pass the M8 x1.25 x 35 flat socket screw through. Place around each of the factory mounting positions to be used to secure the channels. FIG C.



9. Take the mounting channels and flip them over so that the bottom of the channel is facing up. With the bottom facing up, take the cut-to-size foam tape, remove the paper backing and place on the bottom of each channel. Make a slit in the foam to access the pre-drilled holes in the channels. FIG D.



10. Turn the channels over with the bottom down and insert the 1" x 1" x 3/16" channel tabs with countersunk hole into the channels. There will be one tab for each of the mounting positions. With the 1" x 1" tabs in place, insert (1) M8 x 1.25 x 35 flat socket cap screw into each channel tab and through each channel mounting position. With the tabs and screws in place, place the rubber spacers over the exposed portion of the M8 screws on the bottom side of the channels to be secured to the roof of the van using the factory mounting positions (Rubber spacers are designed, along with buttle tape to seal the factory mounting positions). The rubber spacers will hold the M8 crews in place and keep them from falling out while transferring to roof of the van for installation. FIG E.



11. With the rubber spacers holding the screws and countersunk channel tabs in place, slide the 1" x 3" x 1/4" threading support tabs into each of the channels. Depending on the model and the number of supports, there will be 2 - 3 threaded mounting tabs per channel. Leave the threaded mounting tab loose in the channels and place the channel end caps on each end of each channel.

12. The channels are now ready to to be secured to the factory mounting positions on the roof of the van. Secure the channel to each side of the roof of the van using a number 6 allen wrench (hex key). NOTE: Be careful not to over tighten. Doing so may cause damage to the vehicle.



13. Once the channel are secured to the factory mounting positions, slide the threaded support tabs into position and secure the van rack support to the threaded support tab using (2) 5/16"-18 x 7/8" hex head bolts and (2) 5/16 split lock washers. Do not tighten completely at this point. FIG F.

14. With the van rack supports loosely secured to the threaded support tabs, slide the back support and tab towards the back of the van until it is positioned directly over the very last channel mounting position. Then slide the front support and tab in the channel towards the front of the van until it is positioned directly over the very first channel mounting position. Depending on the model, there may be an additional support on each side (Heavy Duty Kit). If there are three supports on each side, slide the additional supports and tab towards the center of the van and position it directly over the closest factory mounting position towards the center of the van. Do not tighten completely at this time. FIG G.



15. Once the supports are in position and hand tightened to the channels at the points described in the previous step, with help, lift the van rack side rails and crossbar assembly carefully position it on the roof of the van. Be sure to set the square bottom tubes of the siderails into the support pockets previously positioned in the channels. NOTE: Leaving the supports hand tightened to the threaded support tabs in the channel allows for more flexibility when positioning the side rails and crossbar assembly on the roof of the van in the support pockets.

16. At this time, secure the supports to the threaded support tabs in the channels. Be careful not to over tighten.



17. With the van rack assembly positioned in the support pockets, adjust the placement of the rack in the supports so that the rear crossbar is overhanging the back of the van enough to allow ladders and material to rest on the rear crossbar during loading and unloading without hitting the back of the van. It is recommended that the rear crossbar sets back approximately 4-6 inches from the van to allow for proper loading and unloading clearance.



18. Using locking C-Clamps, clamp the van rack assembly to the pocket of the support. Do this to all support positions. Once the van rack assembly is clamped into place, drill the holes in the square bottom tube of the side rails as designated by the pockets of the supports using a 5/16" drill bit. (NOTE: Start with the holes on the inside part of the van rack assembly. Not doing so may cause risk of injury). FIG H.



19. With the holes drilled through and the van rack assembly clamped in place, secure the van rack assembly to the supports using (2) 5/16"-18" x 2-1/4" hex head bolts, (2) 5/16" flat washers and (2) 5/16"-18 nylon locking nuts on each support. Be careful not to over tighten, doing so may cause damage to the rack or the van. FIG I.



20. Remove all clamps and double check any and all connections to insure that they are secured properly.



FORD TRANSIT CONNECT VANS

4. Slide zinc plated tabs into channel on the roof.
5. Secure supports to the crossbar with the extra 5/16" holes (middle crossbar and second from the each end) using U-Brackets, (4) 1/4"-20 x1" hex bolts, (4) washers and (4) 1/4"-20 nylon locking nuts.
6. With help, turn the rack over and set it on top of the van roof. For protection, place blanket or large sheet of cardboard on the roof before placing the rack on top. Position the rack on top so that it is centered sideways and extends slightly over the back of the van.

FORD TRANSIT CONNECT VANS 2013 AND EARLIER

7. Secure supports to the tabs in the channel using (2) 5/16"-18 x3/4" hex head bolts and split locking washers. Adjust the position of the supports in the channel by sliding them up or down so that the rear support mounts to the second crossbar from the front. Note: If you have the extra supports for the middle, they should mount to the middle crossbar.
8. Be careful not to over tighten, doing so may cause damage to the rack or the van.

FORD TRANSIT CONNECT VANS 2014 AND NEWER

7. Secure supports to the tabs in the channel using (2) 5/16"-18x3/4" hex head bolts and split locking washers per support.
8. Be careful not to over tighten, doing so may cause damage to the rack or the van.

XL 104.8" Wheelbase

XLT 120.6" Wheelbase

GMC/CHEVY VANS

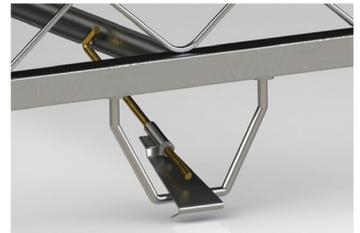
GMC/CHEVY EXPRESS FULL SIZE VANS

4. With help, turn the rack over and set it on top of the roof of the van roof. For protection, place blanket or large sheet of cardboard on the roof before placing the rack on top. Position the rack on the roof so that it is centered sideways and extends slightly over the back of the van.



5. Lift rack and insert supports into 7/16" hole on the underside of the rack. Make sure to place the 3/8" washers in between the washers welded to the support and the bottom of the rack. Insert the threaded hook into the crossbar and gutter clip onto threaded hook and push up under van rain gutter. Place 5/16" nylon locking nut onto threaded hook and tighten all supports equally, as the van will move in the direction of the support being tightened.

6. Be careful not to over tighten, doing so may cause damage to the rack or the rain gutters on the van.



GMC SAFARI/ CHEVY ASTRO VANS

4. After rack is assembled, use the 5/16" x 2" bolts to fasten the angle foot to the four corners of the rack. The mounting holes are located on the side rails at 8" from each end. Tighten bolts, but leave loose enough so that the angle foot can pivot.

5. Lift rack on top of van. Make sure that the foam protectors are on the bottom of the angle foot to prevent scratching the van roof. Center rack on top of van roof making sure there is equal space on each side between the angle foot and edge of van roof.

6. Once rack is centered on the van roof, use the 1/4" x 2" self drilling screws to bolt the rack to the roof of the van.

IMPORTANT NOTE: There is a sheet metal rib that runs the length of the van. You must first drill through the sheet metal roof and then into the rib. Please use precaution - the rib is rounded and the drill end may slide out of the rib. Do not put a lot of pressure on the drill to prevent it from sliding off the rib.

7. Tighten the screw. Do not over tighten, doing so may cause damage to the rack or van. Once the threads of the screw have started, use a wrench for final tightening.

SPRINTER VANS

SPRINTER HIGH ROOF VANS 2006 AND EARLIER

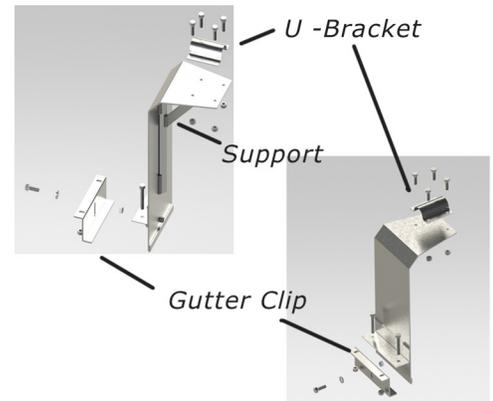
4. Secure supports to the crossbar with the extra 5/16" holes using U-Brackets, (4) 1/4"-20 x 1 hex head bolts, (4) washers, and (4) 1/4"-20" nylon locking nuts.

5. With help, turn rack over and set it on top of the roof.

6. Secure gutter clip to the support using a plastic spacer and 5/16"-18 x 1" serrated locking bolt.

7. Insert (2) 5/16"-18 x 1" hex head bolts through the support holes and into the gutter clip and secure (2) nylon locking nuts. Tighten, pulling the gutter clip and support together and clamping into the rain gutter. Adjust the supports so that the rear supports are mounted to the second crossbars from the rear and the front supports are mounted to the second crossbar from the front.

Note: If you have the extra supports for the middle they should mount to the middle crossbars.



8. Be careful not to over tighten, doing so may cause damage

SPRINTER HIGH ROOF VANS 2007 AND NEWER

4. Slide zinc plated tabs into channel on the van roof. Channel may not be provided with rack.

5. Secure supports to the crossbar with the extra 5/16" holes (middle crossbar and second from each end) using U-Brackets, (4) 1/4"-20 x 1" hex head bolts, (4) washers, and (4) 1/4"-20 nylon locking nuts.



6. With help, turn the rack over and set it on top of the van roof.

For protection, place blanket or large sheet of cardboard on the roof before placing the rack on top. Position the rack on the roof so that it is centered sideways and extends slightly over the back of the van.

7. Secure the rack on the roof so that it is centered sideways and extends slightly over the back of the van.

8. Secure supports to the tabs in the channel using (2) 5/16"-18 x 3/4" hex head bolts and split locking washers. Adjust the position of the supports in the channel by sliding them up or down so that the rear supports mount to the second cross bar from the back, and the second cross bar from the front.

Note: If you have the extra supports for the middle, they should mount to the middle crossbar.

9. Be careful not to over tighten, doing so may cause damage to the rack or van.

NISSAN VANS

NISSAN NV VANS

4. Secure supports to the factory mounting positions on the roof of the van.

Note: A standard 1/2" wrench will fit not fit under the factory mounting positions to secure the supports.

Therefore, a tool has been provided.

5. For Heavy Duty kits (added center support), a 1/4" shim MUST be placed under the front two supports to accommodate for the bow in the roof of the van.

6. With help, turn the rack over and set it in the pockets on top of the van rack.



7. Adjust the rack in the support pockets so that the second to the last crossbar is just behind the last support. This position will leave the rack to overhang the rear of the van just enough to easily allow the user to slide ladders and materials onto the rack without hitting the van.

8. After clamping the rack into the desired position, drill out each of the holes in the supports throughout the side rails using a 11/32" drill bit.

9. Secure the side rails in the support pockets using (2) 5/16" x2" hex bolt, 5/16" flat washer and 5/16" nylock nut in each support.

10. Be careful not to over tighten, doing so may cause damage to rack or van.

NISSAN NV 200 VANS

4. Remove the (2) front and the (2) back factory thread inserts from the roof of the van.

After the inserts have been removed and the threads cleaned, cut the buttle tape squares provided into approximately 1/4" strips. Bend the strips around forming a circle with the center opening just big enough to pass the hardware through.



Place around each of the factory threaded inserts to be used to secure the channels.

5. Attach supports to threaded positions on the roof of the van with (1) M8-25 hex head bolt and (1) 5/16" split lock washer per support. Do not tighten completely as you will need to adjust the position of the supports when the rack is put in place.



6. With help, place the rack on top of the supports on the roof of the van. You may need to adjust the position of the supports slightly so that the crossbar of the rack rests centered on both sets, front and back, of the supports.

Note: The rack should be centered sideways and extend slightly over the back of the van.

7. Secure the supports to the crossbars using the U-Brackets and (4) 1/4"-20 x 1" hex head bolts, (4) washers and (4) 1/4"-20 nylon locking nuts.



8. Secure supports to the roof of van from Step 5.

9. Be careful not to over tighten, doing so may cause damage to rack or van.

DODGE VANS

DODGE PROMASTER VANS

4. Secure support tab to the support with (2) 5/16-18 x 3/4" hex head bolts & (2) 5/16-18 locking nuts. Tighten complete. Assemble supports and clip using (2) 5/16"-18 x 1" hex head nylon locking nut. Insert 5/16" bolt just enough to hold both the clip and support together.



5. Attach the support and clip to the first and last tabs on each side of the van by pulling up and out on the clip and sliding it underneath each tab. **Note:** On models that have (4) tabs on each side, you will have to use the second tab in from the front of the van - not the first. Tighten the (2) 5/16"-18 x 1 hex head bolts pulling the clip and support together and clamping onto the tab. Repeat for additional supports.

With help, turn the rack over and set it in the pockets of the supports.

6. Adjust the rack forward or backwards in the support pockets. Let the rear of the rack hang over the back of the van just enough to easily allow the user to slide ladders and materials onto the rack without resting on the van.

7. Clamp the rack into the desired position and drill out each of the holes in the support pockets throughout the side rails using a 1 1/32" drill bit.

8. Secure the side rails in the support pockets using (2) 5/16"-18 x 2-1/4" hex head bolt, (2) 5/16" flat washers and (2) 5/16" x 18" Nylocks in each support.

9. Be careful not to over tighten, doing so may cause damage to the rack or van.

DODGE PROMASTER CITY EXPRESS VANS

4 Slide zinc plated tabs into channel on the van roof.

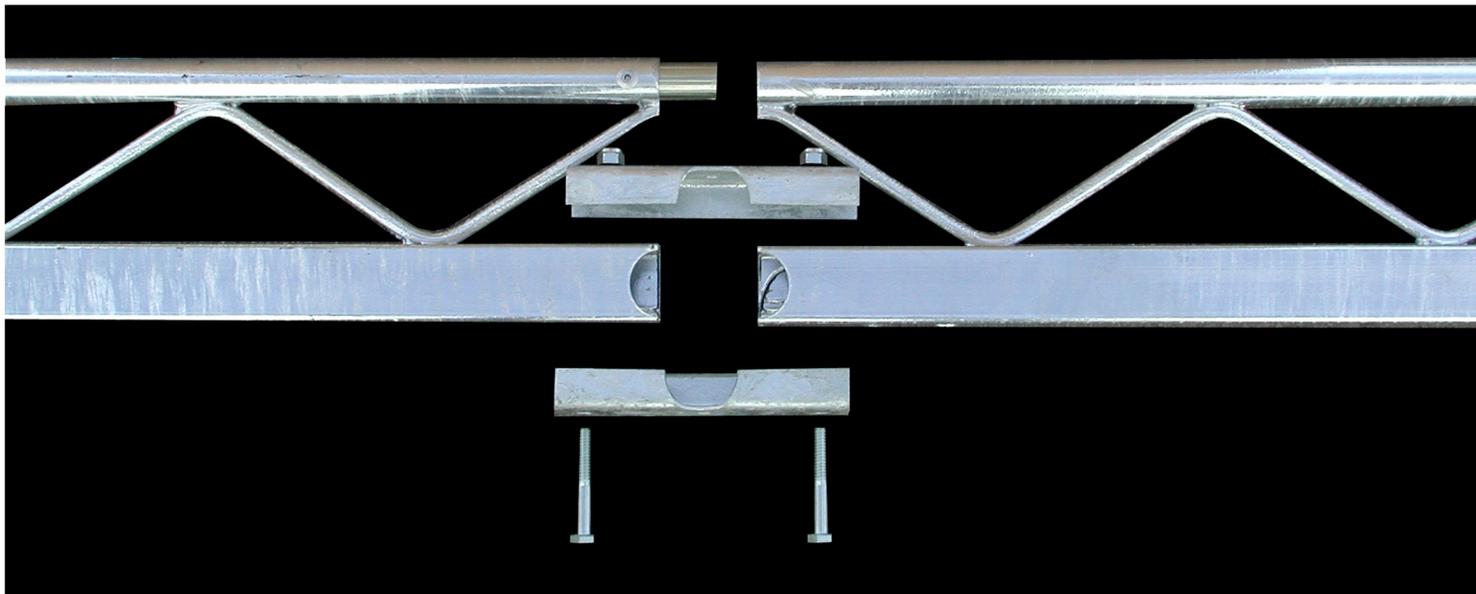
5. Secure supports to crossbar with the extra 5/16" holes (middle crossbar and second from each end) using U-Brackets, (4) 1/4"-20 x 1" hex bolts, (4) washers and (4) 1/4"-20 nylon locking nuts.

6. With help, turn the rack over and set it on top of the van roof. For protection, place blanket or large sheet of cardboard on the roof before placing the rack on top. Position the rack so that it is centered sideways and extend slightly over the back on the van.

7. Secure supports to the tabs in the channel using (1) 5/16"-18 x 3/4" hex bolts and split locking washers per support.

8. Be careful not to over tighten, doing so may cause damage to the rack or the van.

KNOCK-DOWN VAN RACK ASSEMBLY DIAGRAM



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