

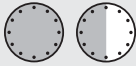


Installation Instructions Hinged Roof Rack

Application:

•Jeep CJ7 and Wrangler
1976 - Current
Part Number: 41430-01

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INSTALLATION TIME	SKILL LEVEL
 1 Hour	 2 - Moderately Easy
TOOLS	
 Wrench 1/2" and 10mm	 Torx Socket T 40
 Ratchet	 Socket 10mm, 13mm
 Hammer	 Safety Glasses



Installation Tips

Before you begin installing this assembly, read all instructions thoroughly.

CAUTION Safety glasses should be worn at all times while installing this product.

DO NOT INSTALL THIS PRODUCT ON ANY VEHICLE OTHER THAN THOSE LISTED ABOVE. This product is only designed for the vehicles listed above. Failure to install this product on the proper vehicle could cause injury to the vehicle occupants and damage to the product.

WARNING This product is designed primarily to enhance the appearance of the vehicle and to shield the occupants from ordinary weather conditions. Do not rely in any way on the components of this product to contain occupants within the vehicle, or to protect against injury or death in the event of an accident. This product will not protect the occupants from falling objects. Never operate the vehicle in excess of manufacturer's specifications.

WEAR SEAT BELTS AT ALL TIMES

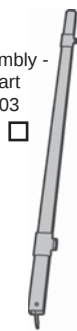
Read and follow, precisely, all installation instructions provided when installing product. Failure to do so may result in a poor fit and could place occupants of the vehicle in a potentially dangerous situation.

Hinged Roof Rack Installation Instructions

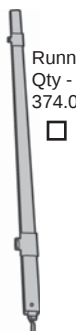
Parts List and Hardware Identification

Universal Rack Tray (Sold Separately),
Qty - 3, Part Number 41411

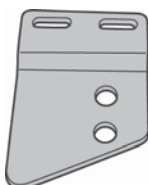
Runner Assembly -
LT, Qty - 3, Part
Number 374.03



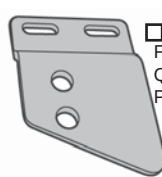
Runner Assembly - RT,
Qty - 3, Part Number
374.02



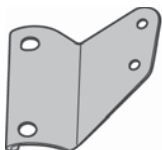
Frame Bracket - LT,
Qty - 1,
Part Number 374.23



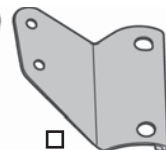
Frame Bracket - RT,
Qty - 1,
Part Number 374.22



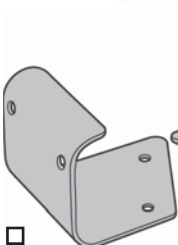
TJ Windshield
Bracket - LT, Qty
- 1, Part Number
374.37



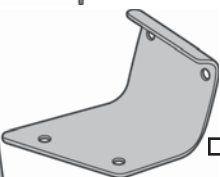
TJ Windshield Bracket - RT,
Qty - 1, Part Number 374.36



CJ / YJ Windshield Bracket - LT,
Qty - 1, Part Number 374.21



CJ / YJ Windshield Bracket - RT,
Qty - 1, Part Number 374.20



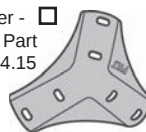
Rear Corner -
LT, Qty - 1, Part
Number 374.17



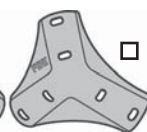
Rear Corner -
RT, Qty - 1, Part
Number 374.16



Front Corner -
LT, Qty - 1, Part
Number 374.15



Front Corner -
RT, Qty - 1, Part
Number 374.14



Side Bar, Qty - 2, Part Number 374.13



Cross Bar, Qty - 2, Part Number 374.12



Receiver, Qty - 6, Part
Number 374.10



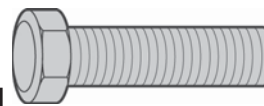
Pivot Weldment, Qty - 6,
Part Number 407.05



M8 Lock Washer, Qty - 50,
Part Number 374.41



5/16"-18 x 1" Hex Head Bolt, Qty - 4,
Part Number 374.40



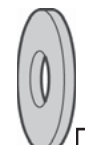
1/4" Internal Star Lock
Washer, Qty - 12, Part
Number 378.55



1/4"-20 x 1/2" Hex Head Bolt,
Part Number 378.49, Qty - 12



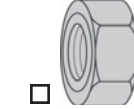
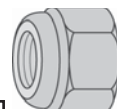
M8 x 1mm Polyethylene Washer,
Qty - 6, Part Number 374.33



M8 x 55mm Hex Head Bolt,
Qty - 34, Part Number 374.27



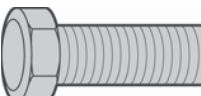
M8 Nyloc Nut, Qty - 6,
Part Number 374.31



M8 Hex Nut, Qty - 44,
Part Number 374.29



M8 x 20mm Hex Head Bolt,
Qty - 12, Part Number 374.32



Support Bar - Rear, Qty - 2,
Part Number 374.05



Support Bar - Front, Qty - 2,
Part Number 374.04



Hinged Roof Rack Installation Instructions

1 Install Windshield Brackets

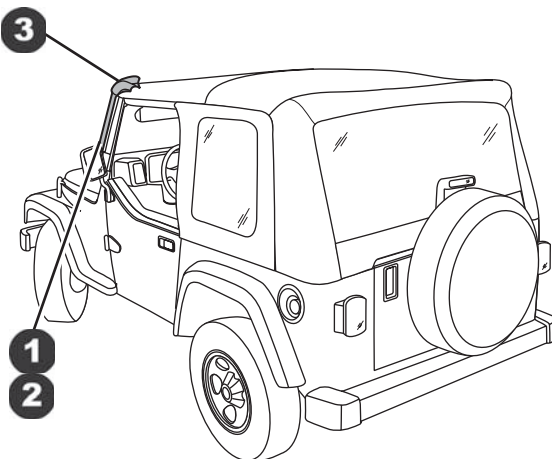
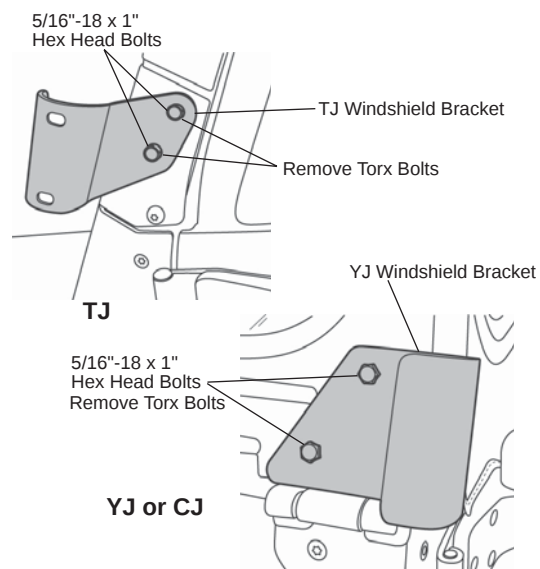
TJ: Remove the two (2) outboard Torx Screws on the upper windshield hinge.

YJ or CJ: Remove the two (2) front Torx Screws on the upper windshield hinge.

All Vehicles: Place a T40 Torx Socket into the Torx Screw and hit the socket with a hammer to firmly seat the socket and to loosen the threads. Insert a ratchet into the socket and remove the screw.

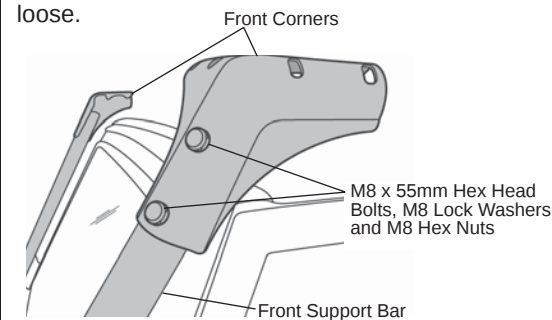
Select the Windshield Bracket for your vehicle and align it with the holes where the Torx Screws were removed. Install two (2) 5/16"-18 x 1" Hex Head Bolts and M8 Lock Washers in the Bracket. Leave the fasteners loose.

Repeat this procedure with the bracket on the other side of the vehicle.



3 Install Front Corners

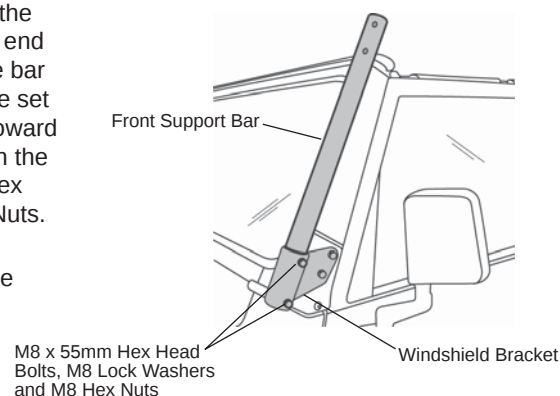
Locate the Front Corners in the parts kit. The right corner is marked FTRT and the left corner is marked FTLT on the top side of the corner. Install each corner on the matching Front Support Bar with two (2) M8 x 55mm Hex Head Bolts, M8 Lock Washers and M8 Hex Nuts. Leave the fasteners loose.



2 Install Front Support Bars

Orient one of the Front Support Bars so that the end with two (2) thru holes points up and the end with the four (4) holes points down. Place the bar against the Windshield Bracket and select the set of bottom holes that will point the top holes toward the opposite rear corner of the vehicle. Attach the bar to the bracket with two (2) M8 x 55mm Hex Head Bolts, M8 Lock Washers and M8 Hex Nuts. Leave the fasteners loose.

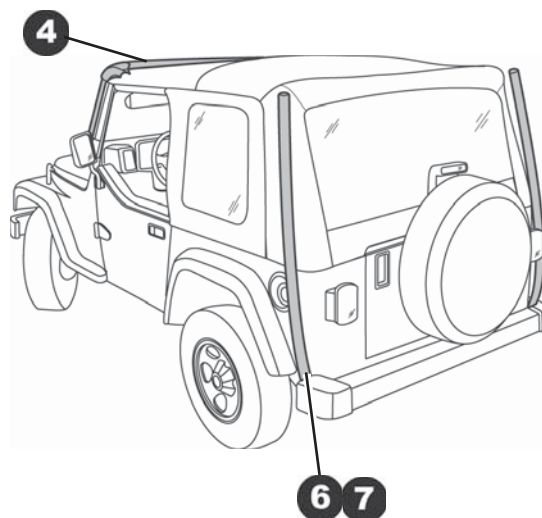
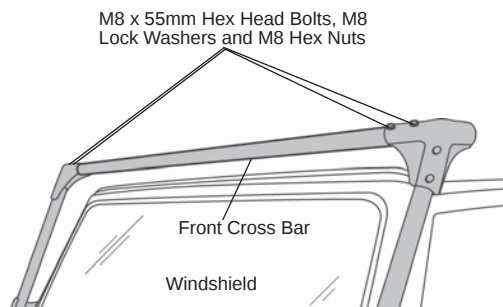
Repeat this procedure on the other side of the vehicle.



Hinged Roof Rack Installation Instructions

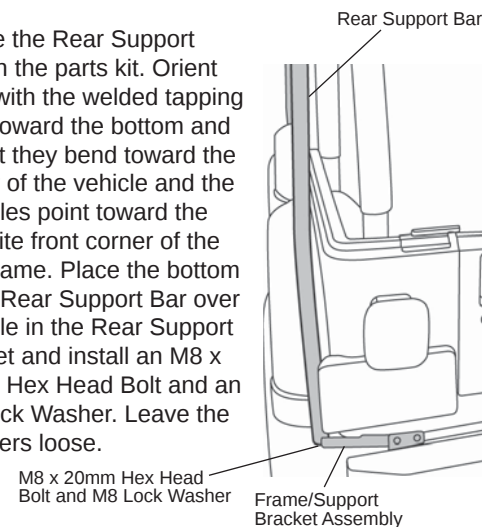
4 Install Front Cross Bar

Attach a Cross Bar to each Front Corner with two (2) M8 x 55mm Hex Head Bolts, M8 Lock Washers and M8 Hex Nuts. Leave the fasteners loose.



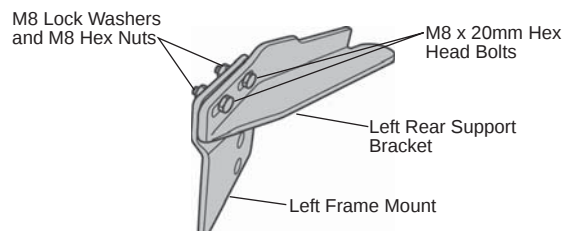
7 Install Rear Support Bar

Locate the Rear Support Bars in the parts kit. Orient them with the welded tapping plate toward the bottom and so that they bend toward the center of the vehicle and the top holes point toward the opposite front corner of the rack frame. Place the bottom of the Rear Support Bar over the hole in the Rear Support Bracket and install an M8 x 20mm Hex Head Bolt and an M8 Lock Washer. Leave the fasteners loose.



5 Assemble Mounting Plates

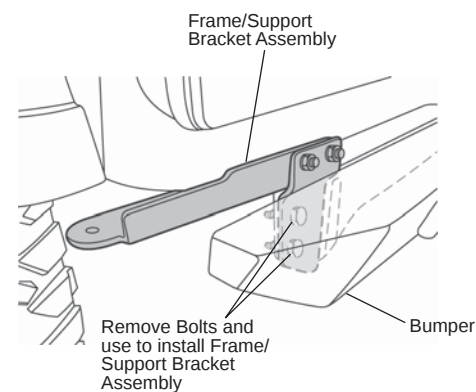
Attach the Left Frame Bracket to the Left Rear Support Bracket with two (2) M8 x 20mm Hex Head Bolts, M8 Lock Washers and M8 Hex Nuts. The head of the bolt should be against the Support Bracket. Leave the fasteners loose. Repeat this procedure with the right brackets.



6 Install Frame /Support Bracket Assemblies

The Frame/Support Bracket Assemblies will mount between the frame and the rear bumper. Remove the bolts that attach the bumper to the frame. Place the Frame/Support Bracket Assemblies over the two outside holes in the frame. Use the original bolts to reinstall the bumper over the bracket assemblies. Tighten the bolts securely.

NOTE On TJ Wranglers with factory bumpers, use a T30 Torx to remove the plastic end caps on the bumper in order to install the Frame/Support Bracket Assemblies. Reinstall the plastic end caps after the bracket assemblies are installed.

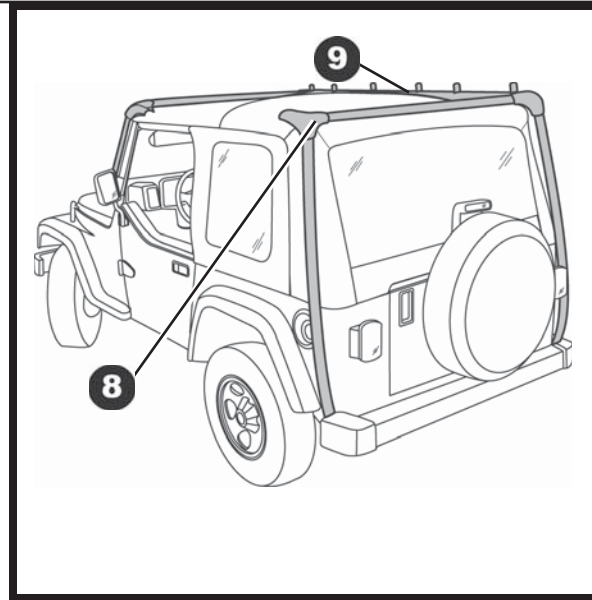
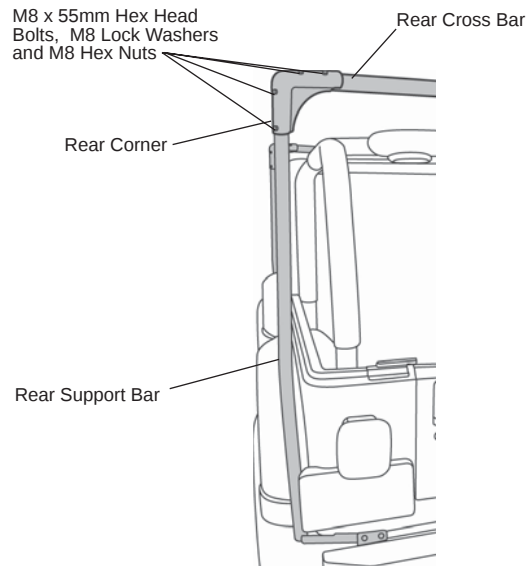


Hinged Roof Rack Installation Instructions

8 Install Rear Corners and Cross Bar

Locate the Rear Corners in the parts kit. The Right Corner is stamped RR and the Left Corner is marked RL on the top side of the corner. Use two (2) M8 x 55mm Hex Bolts, M8 Lock Washers and M8 Hex Nuts to attach each corner to the appropriate Rear Support Bar. Leave the fasteners loose.

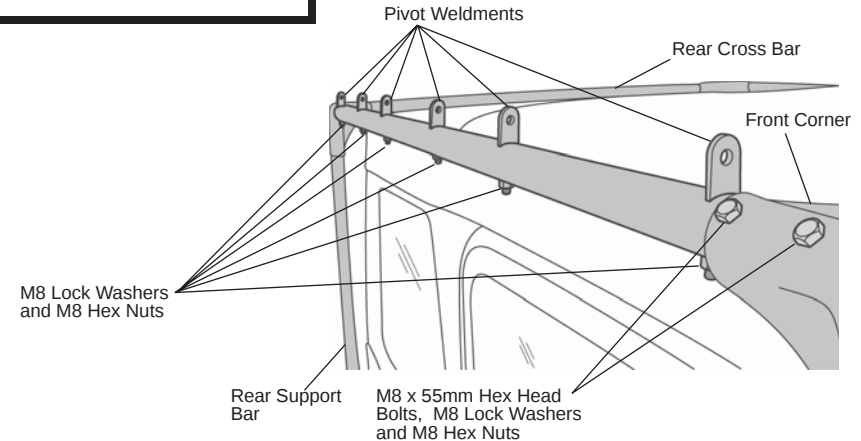
Secure the Rear Cross Bar to each Rear Corner with two (2) M8 x 55mm Hex Head Bolts, M8 Lock Washers and M8 Hex Nuts. Leave the fasteners loose.



9 Attach Pivot Weldments and Install Side Bar

Locate the Pivot Weldments in the parts kit. They attach to one of the Side Bars to allow the Universal Rack Trays to rotate down on one side of the vehicle. Insert a Pivot Weldment into each of the six (6) holes that are in a line on one of the Side Bars. Make sure that all of the Pivots are oriented in the same direction. Secure the Pivot Weldments with M8 Lock Washers and M8 Nuts.

Select the side of the vehicle where you want the trays to rotate down. Orient the Side Bar with the Pivots up and mount it to the Corners with two (2) M8 x 55mm Hex Bolts, M8 Lock Washers and M8 Hex Nuts in each Corner. Leave the fasteners loose.

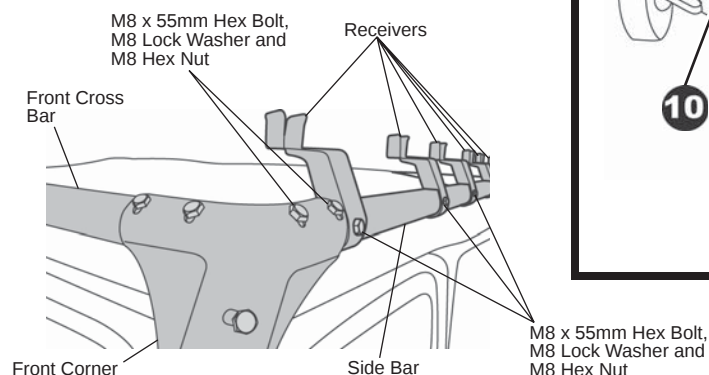


Hinged Roof Rack Installation Instructions

10 Attach Receivers to Side Bar

Orient the second Side Bar so that the six holes are horizontal and the holes on the ends will line up with the holes in the Front and Rear Corners. Mount it to the Corners with two (2) M8 x 55mm Hex Bolts, M8 Lock Washers and M8 Hex Nuts in each Corner. Leave the fasteners loose.

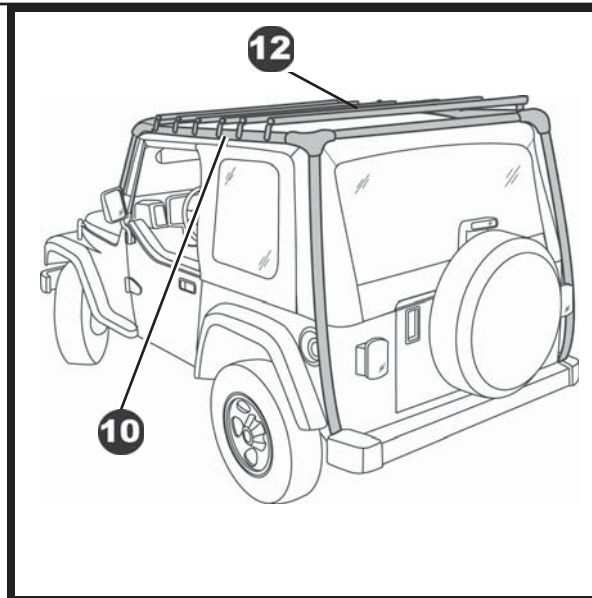
Place a Receiver in each of the six (6) holes and secure it with an M8 x 55mm Hex Bolt, M8 Lock Washer and M8 Hex Nut.



11 Tighten Frame Bolts

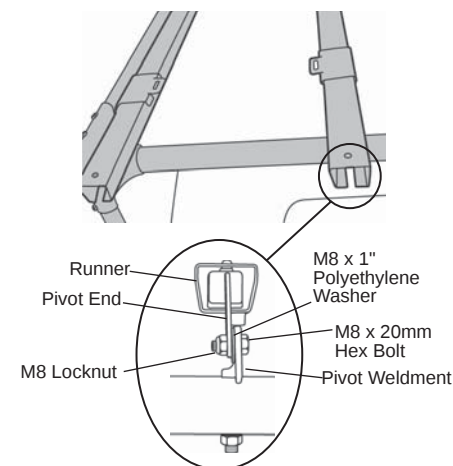
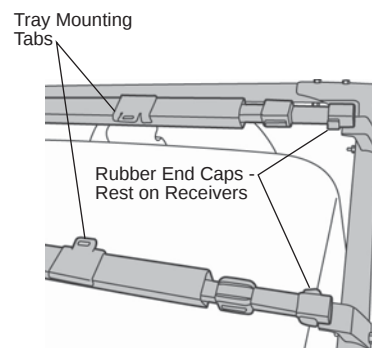
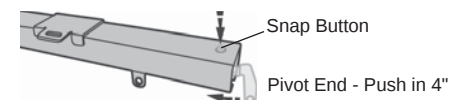
The frame bolts must be tightened in the proper sequence.

1. Tighten the bolts that attach the Side Bars and Cross Bars to the Corners.
2. Tighten the bolts that attach the Front Support Bars to the Front Corners and the Windshield Brackets.
3. Tighten the bolts that attach the Windshield Brackets to the windshield.
4. Tighten the bolts that attach the Rear Support Bars to the Rear Corners and the bolts that attach the Support Bars to the Support Brackets.
5. Tighten the bolts that attach the Support Brackets to the Frame Brackets.



12 Install Runner Assemblies

On each Runner Assembly, press the snap button and push the pivot end into the runner about four (4) inches. Orient each set of Runners so that the tray mounting tabs face each other. Place the Runners on the frame with the rubber end caps resting on the Receivers. Secure the pivot end of each Runner to a Pivot Weldment with an M8 x 20 Hex Head Bolt, an M8 x 1" Polyethylene Washer and an M8 Locknut. Place the Polyethylene Washer between the pivot end and the Pivot Weldment. Tighten the nut until the assembly is secure but still rotates. Push the Runner in until the snap button pops up through the snap button hole.



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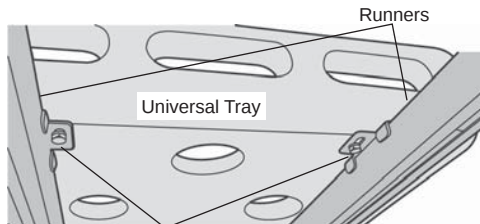


CAUTION

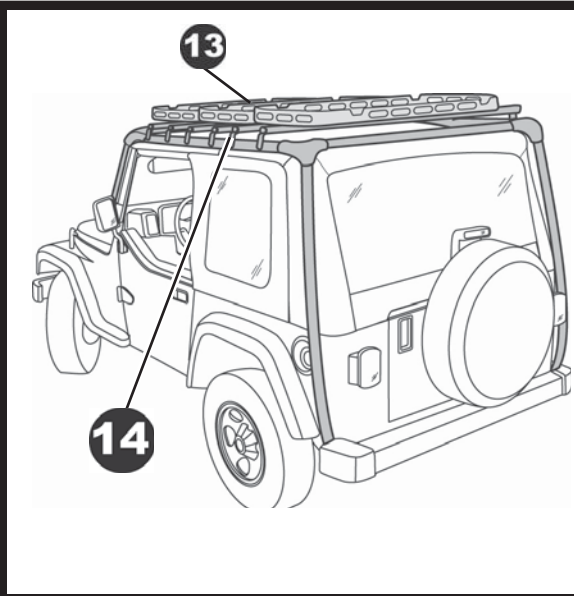
Overtightening the bolts may strip the aluminum inserts in the tray.

13 Install Universal Trays

Set a Universal Tray on top of a set of Runners so that the threaded inserts on the bottom of the tray line up with the slots on the tray mounting tabs. Use four (4) 1/4"-20 x 1/2" Hex Head Bolts and 1/4" Internal Star Lock Washers. Do not over tighten the bolts. Repeat with the other two trays.



1/4"-20 x 1/2" Hex Head Bolts and
1/4" Internal Star Lock Washers



15 Usage

Always make sure all Hinged Roof Rack fasteners are fully tightened and that all Runners are locked before usage.

Do not load any one tray with more than 50 evenly distributed pounds and make sure the load is securely anchored.

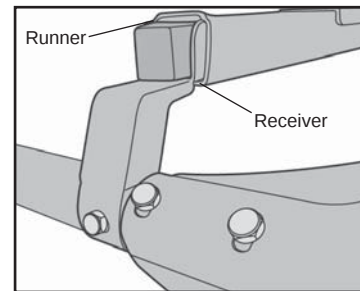
Do not exceed the manufacturer's load rating for the vehicle.

Be careful when operating the vehicle because the loaded trays will raise the center of gravity and may affect handling.

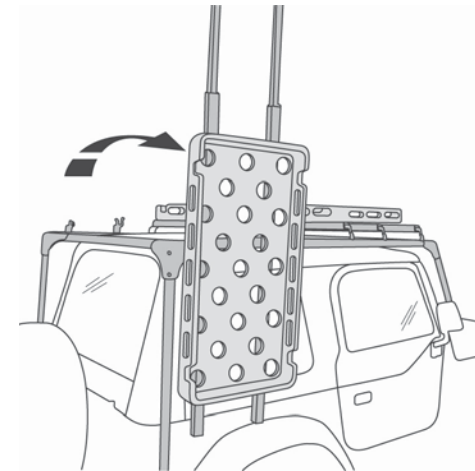
14 Adjustment

Slide a Tray out by pushing the two Snap Buttons until they disengage from the Runner. Pull the Runner out to disengage it from the Receiver and rotate it to the down position. Cycle the Tray back to the locked position. If it is difficult to lock, the Runner may be engaging the Receiver too soon. This can be adjusted by loosening the bolt that attaches the Receiver and rotating the Receiver away from the Runner. Retighten the bolt.

Shake the receiver end of the Runners. If one is loose and rattles, it needs more engagement into the Receiver. Loosen the Receiver bolt and rotate the Receiver into the Runner. If more adjustment is needed or if all the Runners are loose, loosen the bolts that secure the Receiver Side Bar to the Corners and rotate the Side Bar towards the Runners. Retighten the Corner Bolts.



Receiver Engaged



Hinged Roof Rack Installation Instructions

Limited Warranty

We warrant our product to be free from defects in material and workmanship, for the terms specified below, provided there has been normal use and proper maintenance. This warranty applies to the original purchaser only. All remedies under this warranty are limited to the repair or replacement of any item or items found by the factory to be defective within the time period specified.

If you have a warranty claim, first you must call our factory at the number below for instructions. You must retain proof of purchase and submit a copy with any items returned for warranty work. Upon completion of warranty work, if any, we will return the repaired or replaced item or items to you freight prepaid. Damage to our products caused by accidents, fire, vandalism, negligence, misinstallation, misuse, Acts of God, or by defective parts not manufactured by us, is not covered under this warranty.

THE WARRANTY TIME PERIOD IS AS FOLLOWS: ALL "PRODUCTS" MANUFACTURED BY OUR COMPANY: ONE YEAR FROM DATE OF PURCHASE.

ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE CREATED HEREBY ARE LIMITED IN DURATION TO THE SAME DURATION AND SCOPE AS THE EXPRESS WRITTEN WARRANTY. OUR COMPANY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



For further information or request for warranty work, please contact:
Bestop Inc. Customer Service
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(303) 465-1755