

## UPGRADE BAR SYSTEM

### To Be Used With Jeep Cherokee OE Style [Roof Racks](#)

**WARNING:** External roof racks do not increase the GVWR of the vehicle. Maximum load for this bar system is 180 lbs. evenly distributed on crossbar assemblies. Keep in mind that torque applied to any straps, cords, etc. between the load and the vehicle body effectively add "load weight" to crossbars and the roof. Large or flat items such as plywood or watercraft can trap air and create wind lift. Secure the ends of such objects directly to the vehicle bumpers or tie downs. Bulky or tall loads can create tremendous horizontal wind resistance from headwinds and crosswinds. Extreme caution should be used when transporting such loads, taking into consideration road conditions, vehicle speed, crosswinds, load securing methods, etc. Large, bulky, tall or flat objects should be properly secured to both crossbars and other attachment points on the vehicle body. Check bar adjustment points and load securement frequently. PERRYCRAFT, Inc. does not assume responsibility for improper installation, exceeding load limit, load securement methods, vehicle roof strength, wind lift or any other factors beyond its control. **All fasteners, knobs, and load securements should be checked frequently and tightened as necessary.**

**IMPORTANT NOTE:** The enclosed Warranty/Consumer Information card must be fully completed by installation center and reviewed with the consumer (end-user), and given to the consumer. In the event of a potential warranty issue, failure by the consumer to provide Mfg. with a copy of the completed document will void warranty coverage.

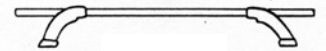
**CONTENTS:** 2-Crossbars; 4-Stanchion assemblies; 1-Hardware Pack (4 each: Crossbar End Caps, 3/16" Drive Rivets, Stanchion Plugs, 1/4"-20x7/8" Socket-head cap screws, 1/4" Stainless Steel Flat Washers, & 1/4"-20 Nylock Nuts; 8 each: 1/4"-20 x 1/2" Allen Button Head machine screws, Tap Plates, Foam Spacers; 1 each: 5/32" & 3/16" Allen wrenches; 1-Instruction Sheet; 1-Warranty/Consumer Information card).

**TOOLS REQUIRED:** Tape Measure, Hand Drill, 3/16" Drill Bit, Flat-head Screwdriver, Hammer, Non-permanent Marker, 7/16" Wrench or Adjustable Wrench, and Metal-cutting Saw (if option 2 is chosen).

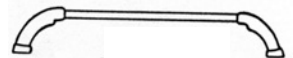
**NOTE:** Original Equipment crossbars may be removed or left intact as desired.

This "Pass-Thru/Stanchion-Fit" upgrade kit provides the choice of two configurations of the stanchions and crossbars at the time of installation:

**OPTION 1:** Pass-Thru Crossbars: Extend the crossbars through the stanchions:



**OPTION 2:** Stanchion-Fit Crossbars: Cut the crossbars to the appropriate length to provide exact fit between the stanchions



**IMPORTANT:** Completely review the instructions for chosen option before proceeding with installation!!!

#### OPTION 1 - Pass-Thru Crossbars:

1. Install stanchion plugs into two stanchions using 1/4"-20 x 7/8" cap screws, 1/4" flat washers and nylock nuts as shown in Fig. 1.
2. Slide one "plugged" stanchion on to one end of each crossbar, butting end of bars firmly against stanchion plugs. Slide remaining two "open" stanchions on to opposite ends of bars positioning both stanchions relative to width of existing tracks.
3. Assemble Track Brackets to Stanchion Brackets by inserting 1/4"-20 x 1/2" Button Head screw through hole in Stanchion Bracket into tapped hole in Track Bracket approximately 1-2 turns (see Fig. 2). Position stanchion/crossbar assemblies on tracks, aligning vertical leg of Stanchion Bracket snugly to inside of track. Loosening screw if necessary, hook Track Bracket under inside lip of track and tighten just enough to keep Track Bracket in position under rail lip. Repeat for each Bracket assembly.

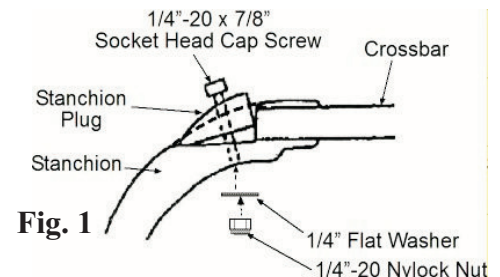


Fig. 1

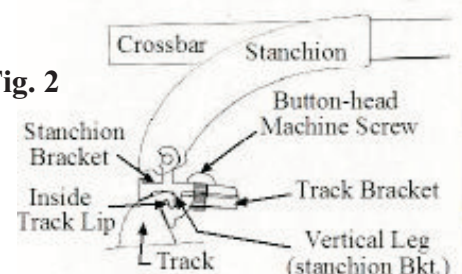


Fig. 2

(OVER)

4. Slide front crossbar to front of tracks, rear crossbar to rear of tracks and tighten button head screws.

5. Measure and note distance from end of cavity to end of crossbar (see Fig. 3) and divide by 2, **making note of the resulting dimension.**

6. Remove stanchion/crossbar assemblies from tracks by loosening the button head screws installed in Step 3.

7. Remove stanchion plugs from the two "plugged" stanchions.

8. Slide crossbars thru stanchions until same length of bar (using "resulting dimension" from Step 5) is extending beyond each support. Visibly mark top of both crossbars at end of opening in stanchions (see Fig 4).

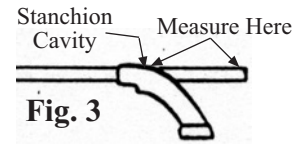


Fig. 3



Fig. 4

9. Insuring that all stanchions remain aligned with their respective marks on bars (per Step 9), drill 3/16" holes through bottom side of crossbars in stanchion hole as shown in Fig. 5. Insert the 3/16" drive rivets into drilled holes, and tap rivet mandrel pin firmly with hammer until flush with rivet head. Repeat for each stanchion.

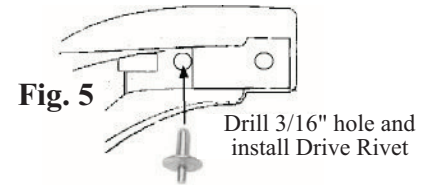


Fig. 5

10. Install crossbar end caps. Reinstall stanchion/crossbar assemblies onto tracks by repeating procedure outlined in Step 3. To adjust position of crossbars, loosen button head screws, slide crossbars to desired position, and re-tighten screws.

**OPTION 2 Stanchion-Fit Crossbars:**

1. Install stanchion plugs into two stanchions using 1/4"-20 x 7/8" cap screws, 1/4" flat washers and nylock nuts as shown in Fig. 1.

2. Slide one "plugged" stanchion on to end of each crossbar, butting end of bar firmly against stanchion plug. While insuring bar remains butted against plug, drill 3/16" hole in bottom of crossbar thru remaining hole on underside of stanchion neck. Install Drive Rivet in drilled hole as shown in Fig. 1, tapping rivet mandrel pin firmly with hammer until flush with rivet head.

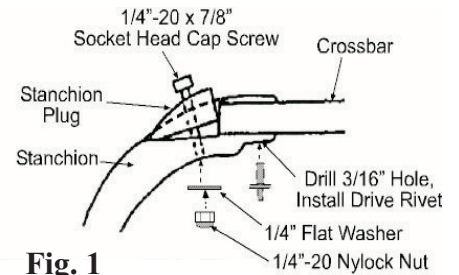


Fig. 1

3. Push one "open" stanchion onto other end of each crossbar, positioning each stanchion relative to width of existing tracks.

4. Assemble Track Brackets to Stanchion Brackets by inserting 1/4"-20 x 1/2" Button Head screw through hole in Stanchion Bracket into tapped hole in Track Bracket approximately 1-2 turns (see Fig. 2). Position stanchion/crossbar assemblies on tracks, aligning vertical leg of Stanchion Bracket snugly to inside of track. Loosening screw if necessary, hook Track Bracket under inside lip of side rail and tighten just enough to keep Track Bracket in position under rail lip. Repeat for each Bracket assembly.

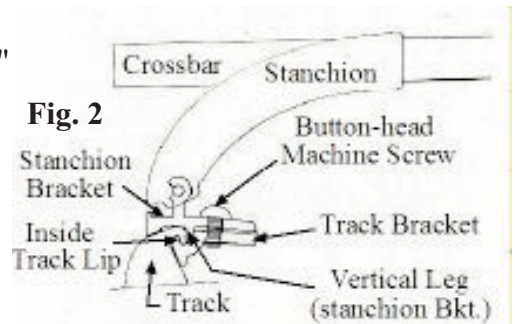


Fig. 2

5. Slide front crossbar to front of tracks, rear crossbar to rear of tracks and tighten button head screws.

6. With stanchion/crossbar assemblies in place, mark end of crossbars on end extending through stanchion at end of cavity as shown in Fig. 3.



Fig. 3

7. Remove stanchion/crossbar assemblies from tracks by loosening button head screws installed in Step 4.

8. Remove "open" stanchions from crossbars, and square cut the crossbars as marked. Install Stanchion Plugs in both stanchions as shown in Step 1. Install stanchions to crossbars as detailed in Step 2.

9. Reinstall stanchion/crossbar assemblies onto tracks by repeating procedure outlined in Step 4. To adjust position of crossbars, loosen button head screws, slide crossbars to desired position, and re-tighten screws.