

ASSEMBLY INSTRUCTIONS

for :

PRO-III KS

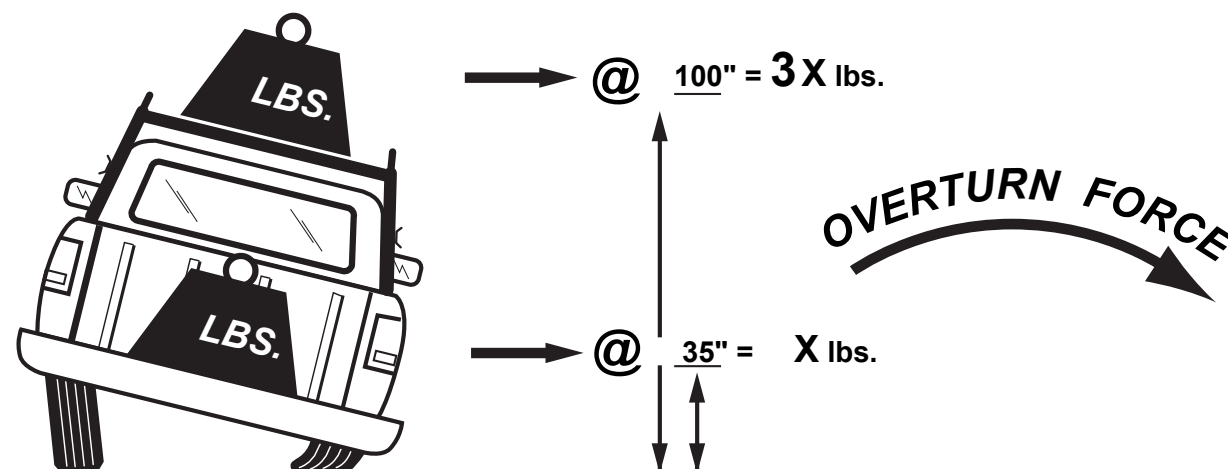
KARGO[®] MASTER

(916) 638-8703

(800) 343-7486

• 11253- G Trade Center Drive • Rancho Cordova, CA 95742 •

DON'T OVERLOAD YOUR VEHICLE!



WEIGHT CARRIED ABOVE THE FLOOR OF THE TRUCK BED (E.G. ON AN OVERHEAD TRUCK RACK) WILL SIGNIFICANTLY INCREASE THE VEHICLE'S TENDENCY TO OVERTURN. ALWAYS KEEP HEAVY LOADS EVENLY DISTRIBUTED AND AS LOW AS POSSIBLE. IT IS IMPORTANT TO NOTE THAT THE KARGO MASTER RACK LOAD BEARING CAPACITY OF 1000 LBS. MAY BE GREATER THAN YOUR TRUCK'S GAWR OR GVWR CAPACITY, AND IS PROBABLY GREATER THAN THE WEIGHT THAT CAN BE SAFELY CARRIED OVERHEAD.

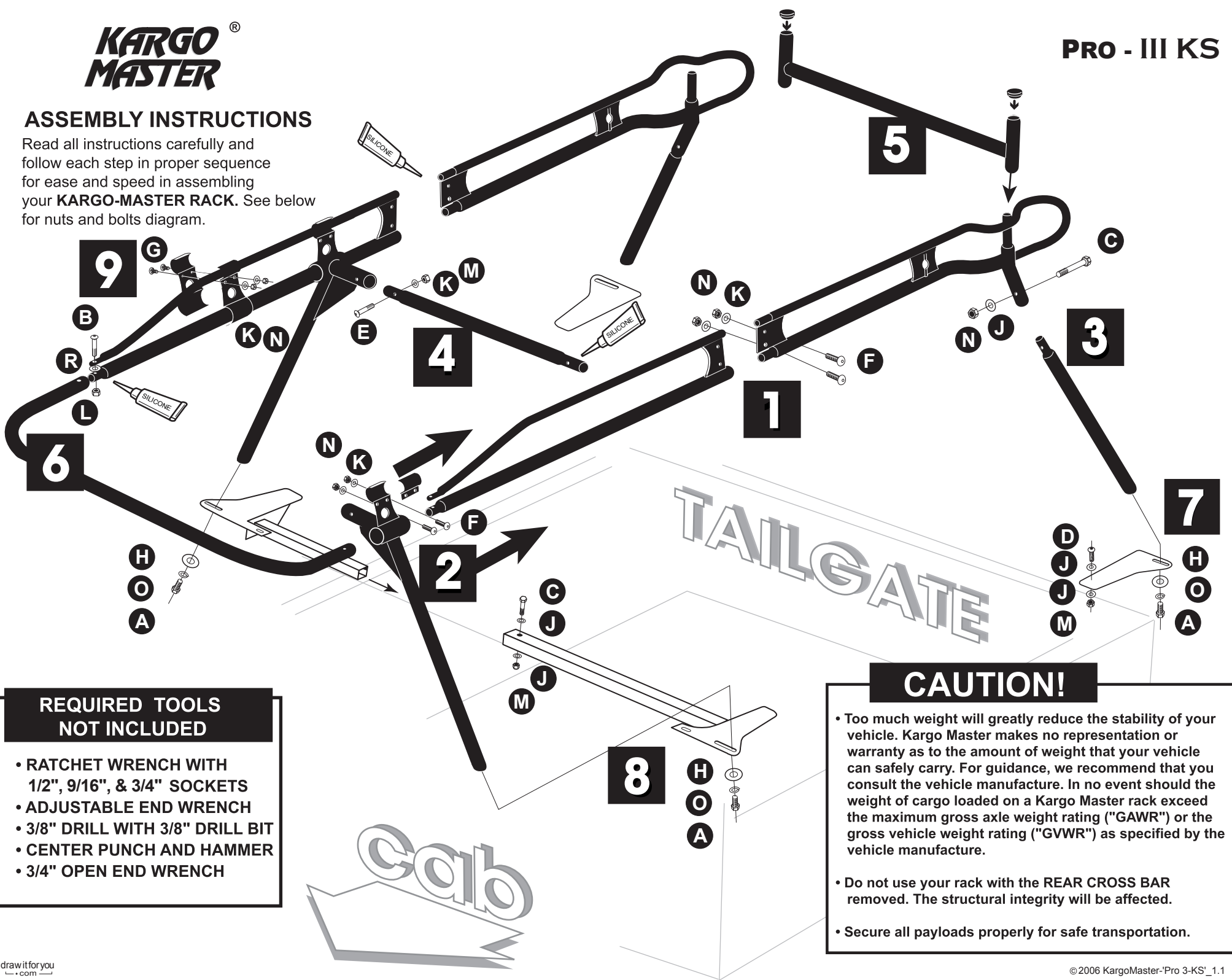
For TECHNICAL SUPPORT Call:

1.800.343.7486

HOURS: Monday- Friday 8:00 A.M. to 4:30 P.M. (PACIFIC)

ASSEMBLY INSTRUCTIONS

Read all instructions carefully and follow each step in proper sequence for ease and speed in assembling your **KARGO-MASTER RACK**. See below for nuts and bolts diagram.



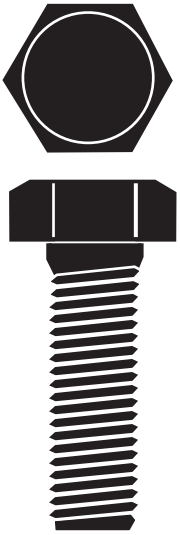
REQUIRED TOOLS NOT INCLUDED

- RATCHET WRENCH WITH 1/2", 9/16", & 3/4" SOCKETS
- ADJUSTABLE END WRENCH
- 3/8" DRILL WITH 3/8" DRILL BIT
- CENTER PUNCH AND HAMMER
- 3/4" OPEN END WRENCH

CAUTION!

- Too much weight will greatly reduce the stability of your vehicle. Kargo Master makes no representation or warranty as to the amount of weight that your vehicle can safely carry. For guidance, we recommend that you consult the vehicle manufacture. In no event should the weight of cargo loaded on a Kargo Master rack exceed the maximum gross axle weight rating ("GAWR") or the gross vehicle weight rating ("GVWR") as specified by the vehicle manufacture.
- Do not use your rack with the REAR CROSS BAR removed. The structural integrity will be affected.
- Secure all payloads properly for safe transportation.

A (4 ea.)
1/2" x 1 1/2"
Hex Bolt



B (2 ea.)
1/2" x 2 1/4"
Button Head Bolt



C (3 ea.)
3/8" x 2 1/4"
Button Head



D (8 ea.)
3/8" x 1 3/4"
Button Head



E (2 ea.)
5/16" x 2 1/4"
Button Head Bolt



F (8 ea.)
5/16" x 3/4"
Button Head Bolt



G (4 ea.)
5/16" x 3/4"
Carriage Bolt



P (4 ea.)
5/16" x 3/8"
Allen Head Set Screw



O (4 ea.) 1/2" Lock Washer



R (2 ea.) 1/2" Rubber Washer



L (2 ea.)
1/2" Jam Nut



M (11 ea.)
3/8" Lock Nut



N (14 ea.)
5/16" Lock Nut



H (6 ea.) 1/2" SAE Flat Washer



J (22 ea.) 3/8" SAE Flat Washer

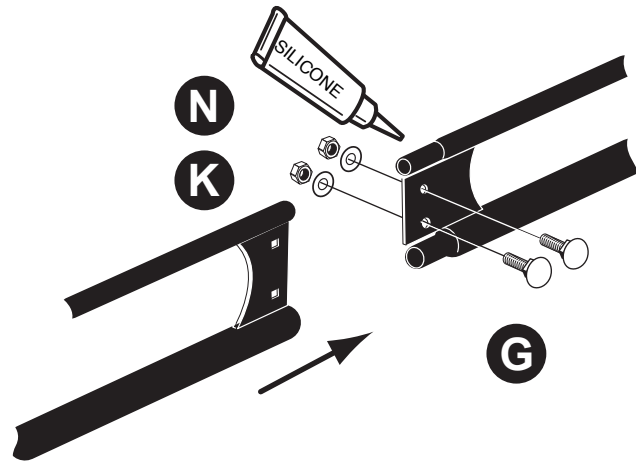


K (14 ea.) 5/16" Flat Washer



STEP 1

#1 = Cover and seal swedge joints with silicone sealant and join FRONT and REAR side channels together, there is a LEFT & RIGHT FRONT, with the Right marked with a GREEN dot on the overlapping plate. There is a RIGHT & LEFT REAR. The leg cups angle outward. Be sure the connecting plates overlap, and bolt together with bolts **G**, washers **K** and lock nuts **N**.

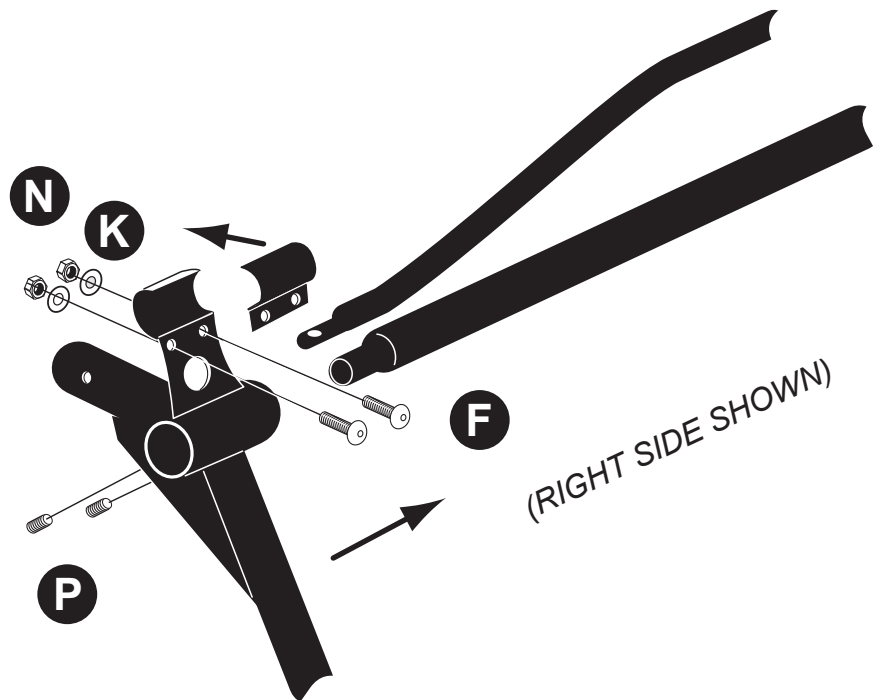


STEP 2

#1 = Slide the FRONT leg onto the front side channel. There is a RIGHT & a LEFT. Match to the correct side channel so that both FRONT & REAR legs angle outward. Insert the set screws **P**, but do not tighten yet.

#2 = Loosely attach the top CLAMP with bolts **F**, washers **K**, and nuts **N**.

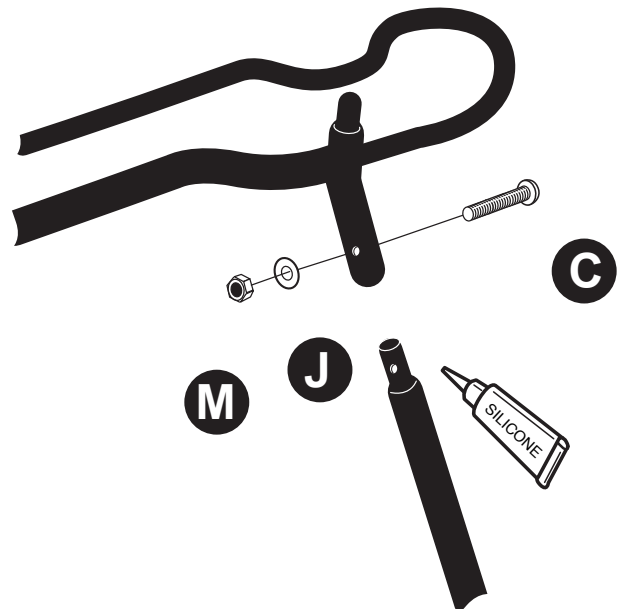
#3 = Final positioning of the front legs will follow in STEP 8.



STEP 3

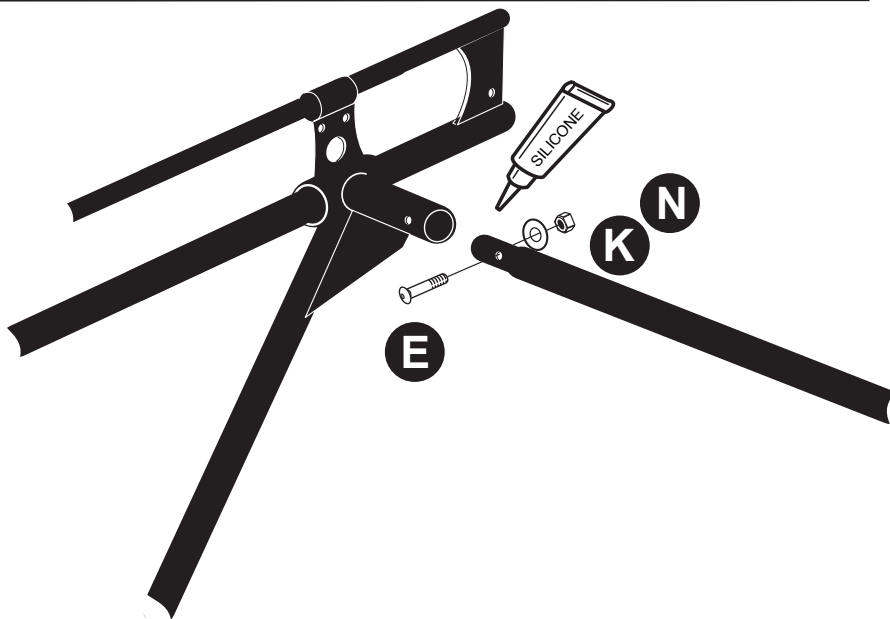
#1 = Cover and seal swedge joints with silicone sealant and attach the REAR LEGS with bolts **C**, washers **J**, and nuts **M**.

Note: The distance between front & rear legs will not be longer than the inside measurements of the bed itself.



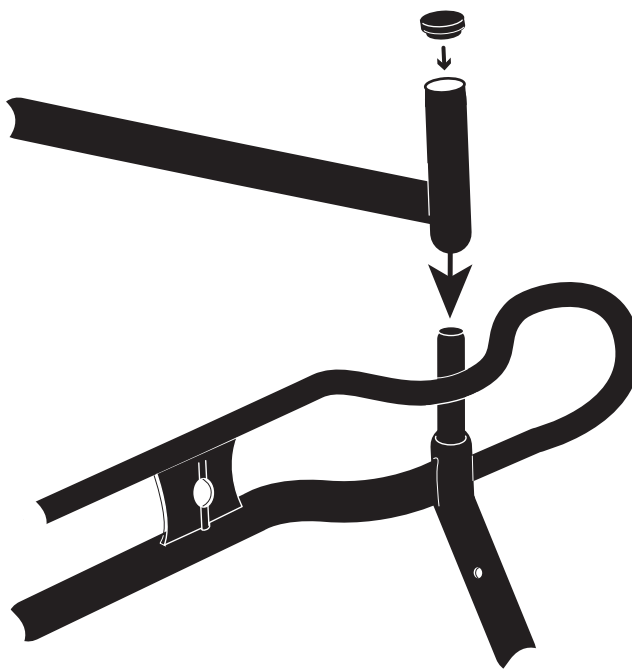
STEP 4

#1 = Cover and seal swedge joints with silicone sealant and insert the CENTER CROSS BAR into the SIDE RAIL CUPS and attach with bolts **E**, washers **K** and lock nuts **N**.



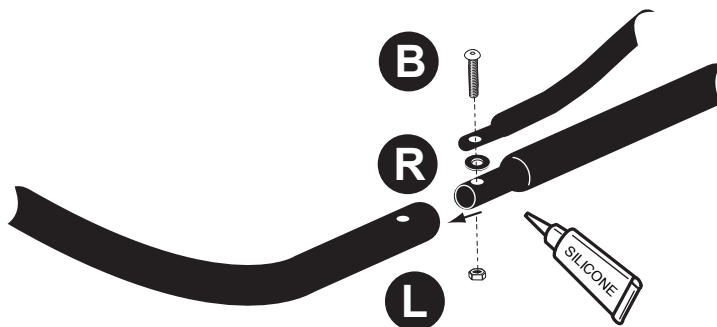
STEP 5

#1 = Insert PLASTIC CAPS onto the rear crossbar uprights, (the tall side of the tube). Slide the REAR CROSS BAR into the REAR LEG POSTS at the top, as shown.

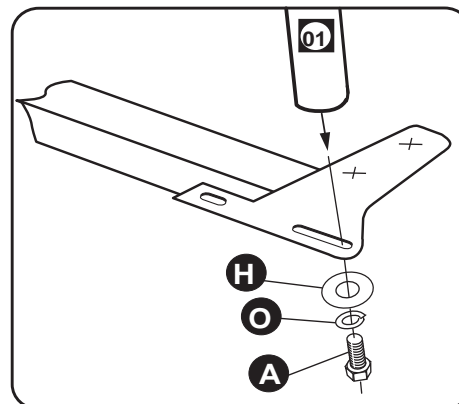
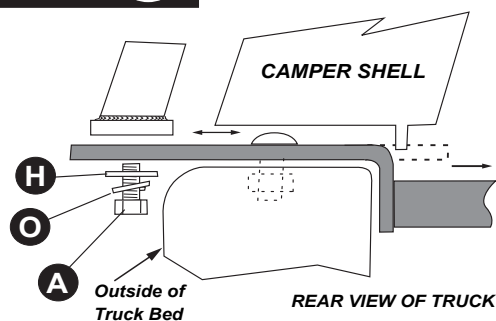


STEP 6

#1 = Cover and seal swedge joints with silicone sealant and slide FRONT CROSS BAR onto side rails and bolt together with bolts **B**, rubber washer **R**, and jam nut **L**.



STEP 7



#1 = Remove your camper shell from truck. Note whether or not there is a ridge on the bottom of your shell.

#2 = The Front Mounting Plates have support arms. Slide one Arm into the other. Position the Front Mounting Plates assembly as far forward as possible, with the Mounting Plate tongue over the front bulkhead of the truck bed. Slide the Front Mount Plates apart so that they are flush against opposite sides of the truck bed. Measure the inside dimension of the Mount Plates just above the Support Bar, and the outside dimension of the ridges (if any) on the bottom of your shell. It may be necessary to notch this ridge to avoid interference with the Mount Plates. Position the Rear Mount Plates as far back as possible on the truck bed rail, but do not overhang the tail gate.

NOTE: Measure the distance between the center of the slot in the right front Mount Plate to the center of the slot in the right rear Mount Plate. Make certain distance is the same on the left side.

You may wish to notch the ridge of the camper shell (if any) front and back so that the Mount Plates can be slid in towards the center of the truck bed to minimize overhang.

Note: If you choose to minimize overhang, be absolutely certain that the distance from the outside of the slot in the right plate to the outside slot of the left plate is at least 67.5".

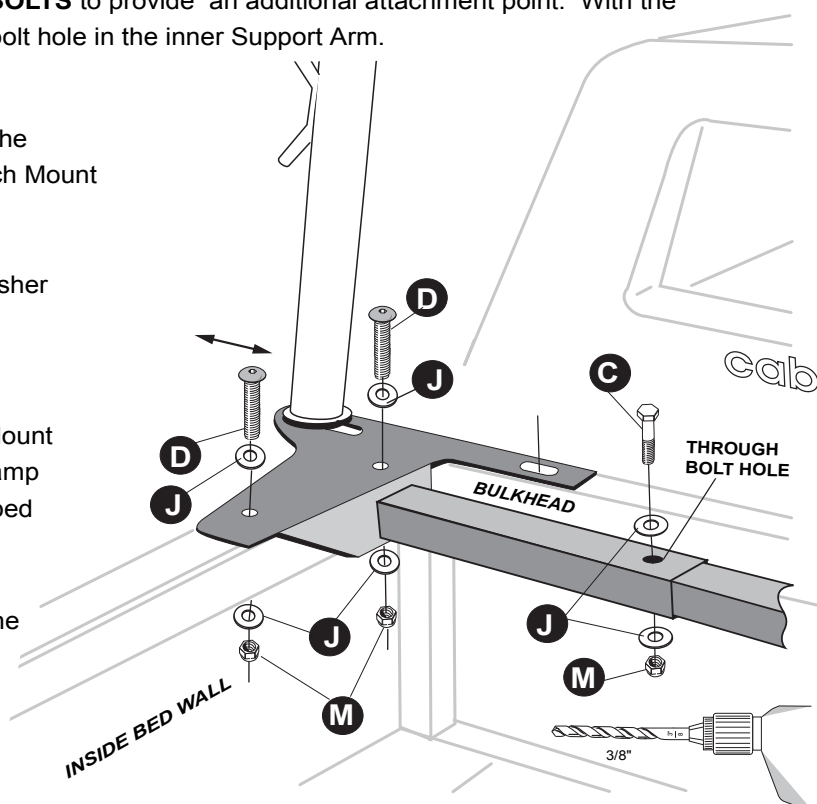
#3 = With the Mount Plates in their final position, locate and mark two optimal bolt hole locations on the top of each Mount Plate. The bolts should be located as far apart as possible, with clear access to the bolt and nut underneath the truck's bed rail. If the inside of your truck bed has a double wall and it is not possible to locate a bolt on the Mounting Plate near the leg, we recommend using our accessory **STAKE POCKET "T" BOLTS** to provide an additional attachment point. With the Front Mount Plates in their final location, mark the through bolt hole in the inner Support Arm.

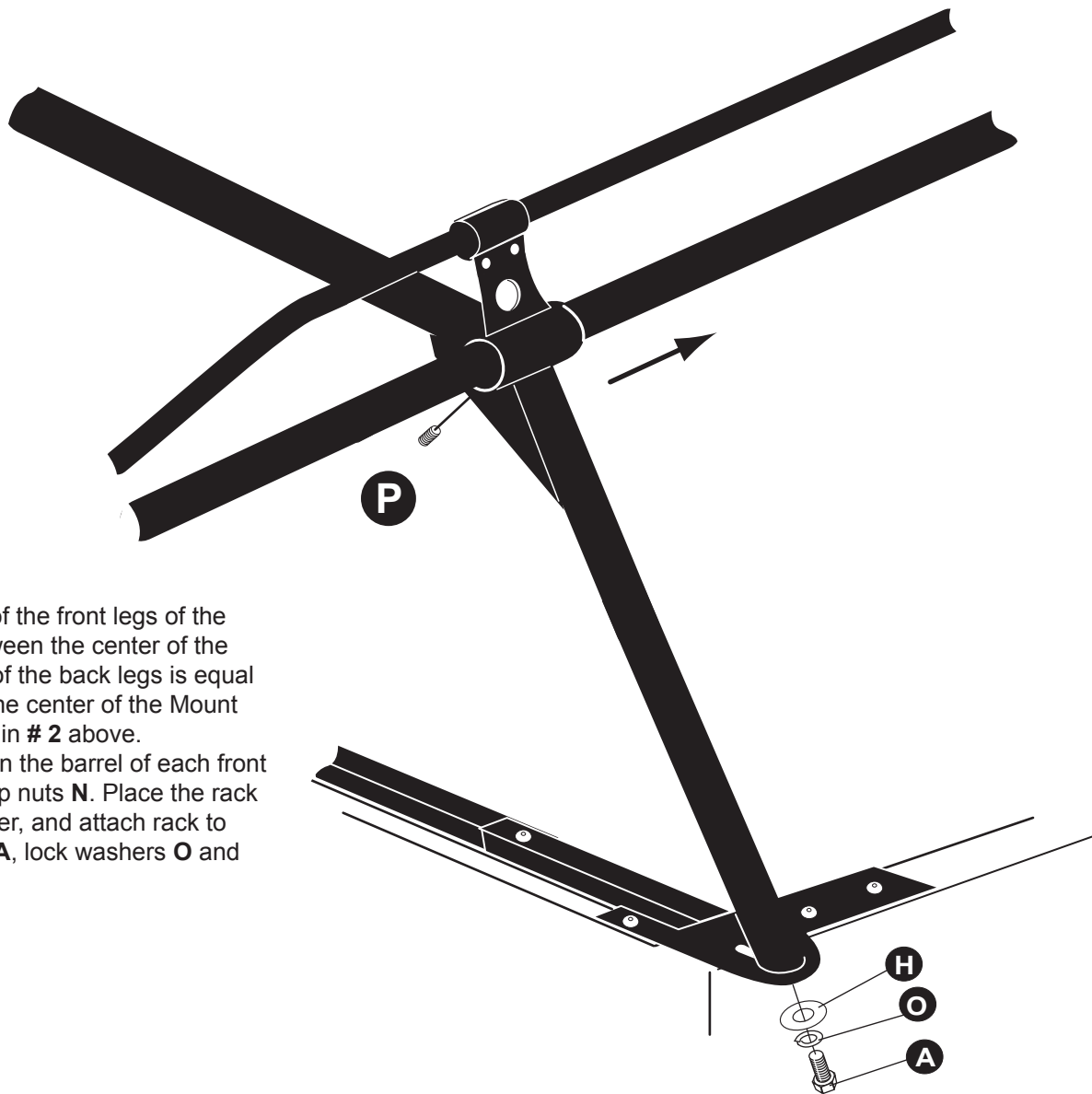
#4 = Remove Rack from the truck. Punch hole centers in the locations that you have marked, and drill 2x 3/8" holes in each Mount Plate and in the inner Support Arm.

#5 = Bolt the Support Arms together using bolt **C**, Flat washer **J**, and lock nut **M**.

#6 = Set the Mount Plates back on the truck, in exactly the same location that they were before. Make certain that the Mount Plate is square with the bed rail. We recommend that you clamp each foot plate in position before drilling through the truck's bed rail. **CHECK TWICE - DRILL ONCE!**

#7 = Apply adhesive foam tape (NOT INCLUDED) to seal the gaps between the foot plates and the camper shell along the bed rail and bulk head. Attach the camper shell to the truck.



STEP 8

#1 = Adjust the position of the front legs of the rack so that distance between the center of the front legs and the center of the back legs is equal to the distance between the center of the Mount Plate slots as determined in **#2** above.

Tighten the set screws **P** in the barrel of each front leg, and tighten Top Clamp nuts **N**. Place the rack on the Mount Plates, center, and attach rack to Mount Plates using bolts **A**, lock washers **O** and flat washers **H**.

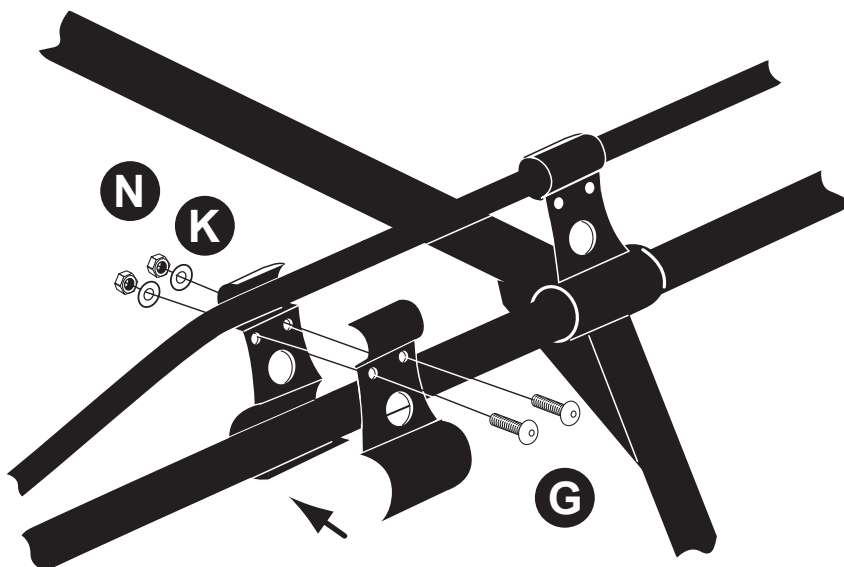
STEP 9

#1 = Attach the front SUPPORT UPRIGHT where the 1" tube begins to bend downward, then...

TIGHTEN DOWN EVERYTHING AND....

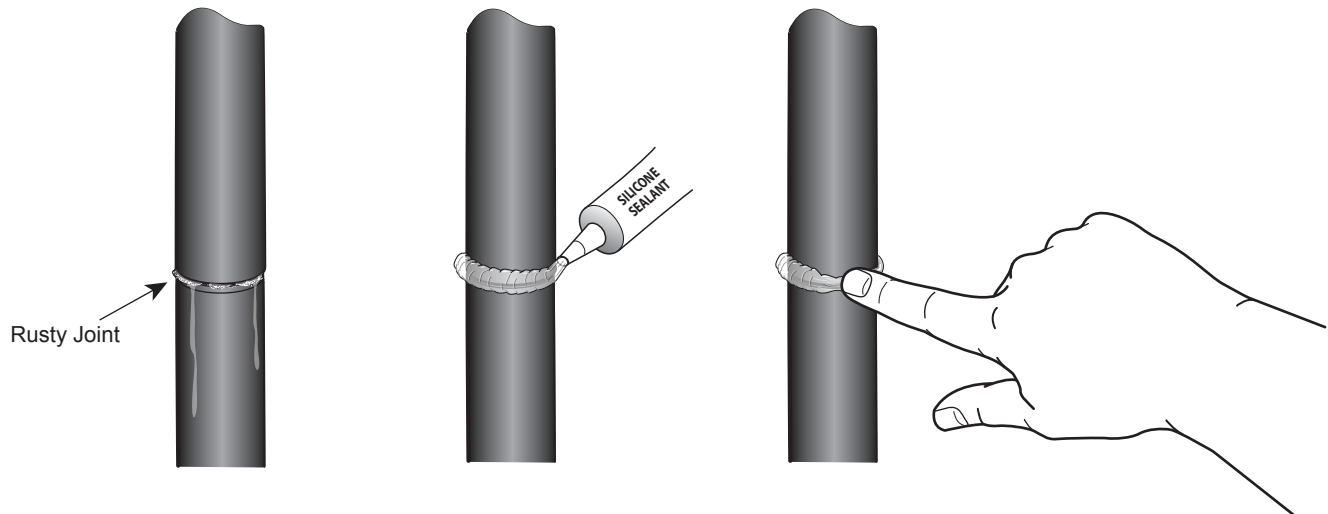
THAT'S IT!

You're ready to LOAD & GO!



STEP 10

(WITHOUT SEALANT)



Apply a healthy air tight bead of silicone around **every** swaged joint to prevent moisture from leaking into and out of the joint. If this is not done properly, the inside surface of the tubes can rust and rusty water can leak out. Maintain this joint seal throughout the life of your rack.

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