

ASSEMBLY INSTRUCTIONS
for :

PRO-II KS

**KARGO[®]
MASTER**

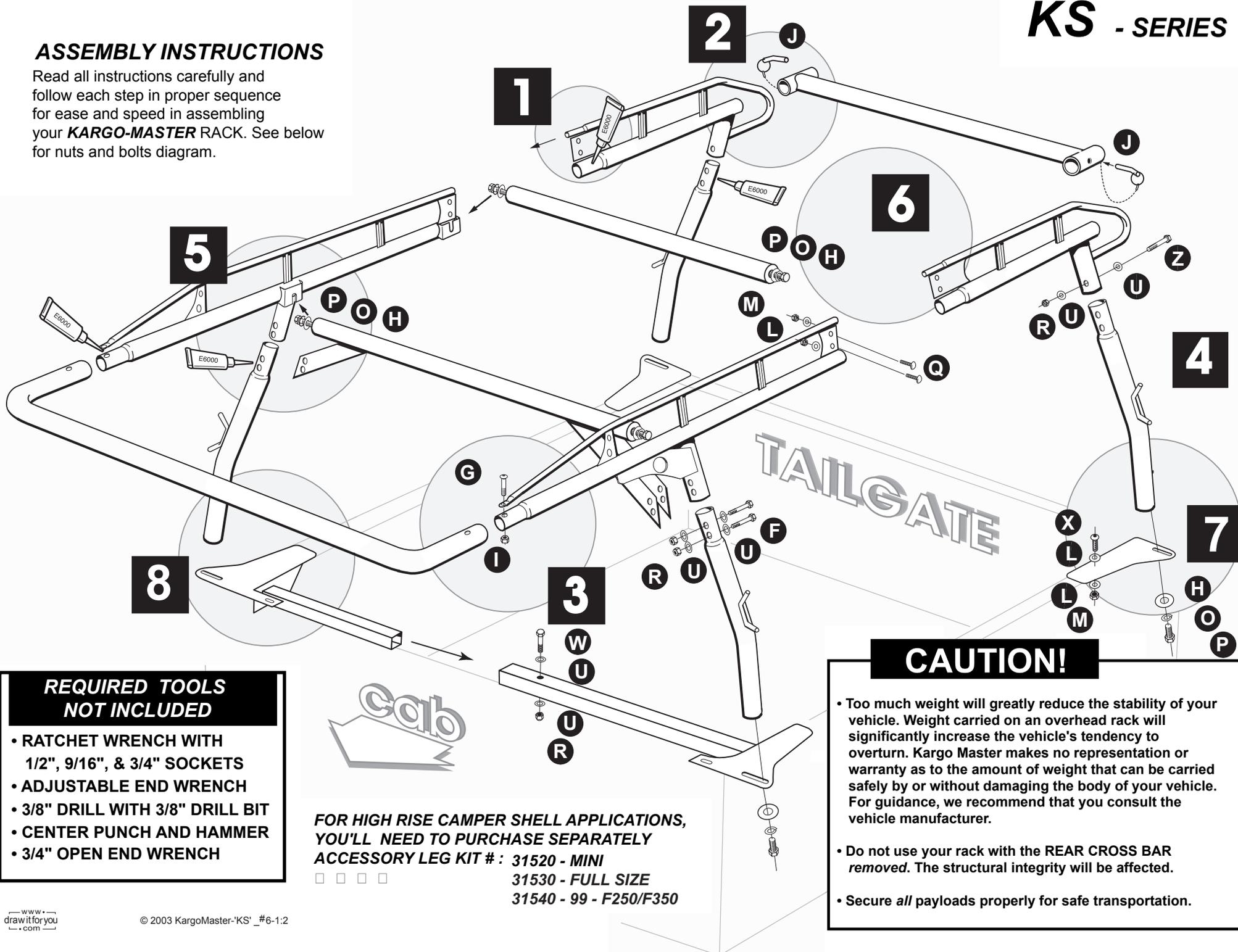
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(800) 343-7486

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

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

**FOR HIGH RISE CAMPER SHELL APPLICATIONS,
YOU'LL NEED TO PURCHASE SEPARATELY**

ACCESSORY LEG KIT # : 31520 - MINI
31530 - FULL SIZE
31540 - 99 - F250/F350



CAUTION!

- Too much weight will greatly reduce the stability of your vehicle. Weight carried on an overhead rack will significantly increase the vehicle's tendency to overturn. Kargo Master makes no representation or warranty as to the amount of weight that can be carried safely by or without damaging the body of your vehicle. For guidance, we recommend that you consult the vehicle manufacturer.
- Do not use your rack with the REAR CROSS BAR removed. The structural integrity will be affected.
- Secure *all* payloads properly for safe transportation.

G (2 ea.)
1/2" x 2 3/4"
Button Head Bolt



F (4 ea.)
3/8" x 3"
Hex Bolt



A (2 ea.)
3/8" x 16 x 2- 1/4"
Button Head



Z (3 ea.)
3/8" x 2 3/4"
Hex Bolt



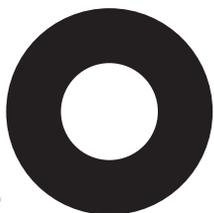
P (8 ea.)
1/2" x 1"
Hex Bolt



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



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



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



U
(32 ea.) 3/8" SAE Flat Washer



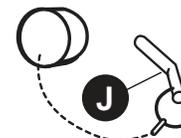
L
(9 ea.) 5/16" Flat Washer



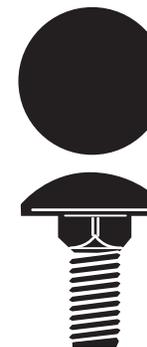
B (2 ea.)
3/8" T Nut



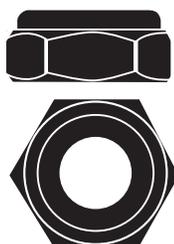
J
(2 ea.)
Rear Pin
& Cap



Q (8 ea.)
5/16" x 3/4"
Carriage Bolt



I (3 ea.)
1/2" Jam Lock Nut
Thin



R (16ea.)
3/8" Lock Nut

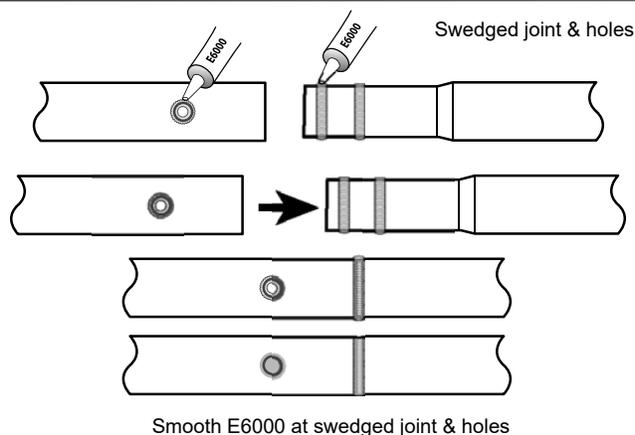


M (9 ea.)
5/16" Lock Nut



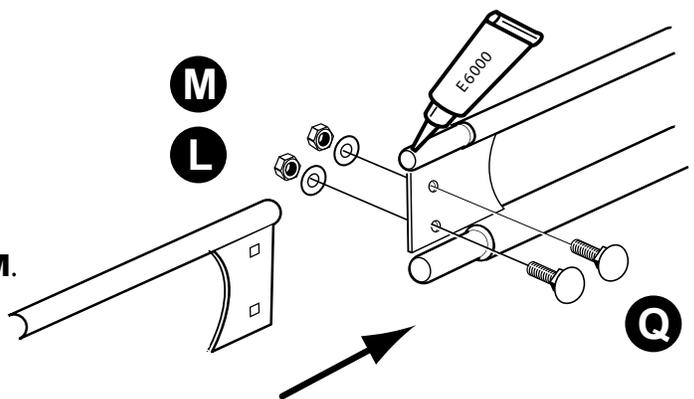
E6000 APPLICATION

Apply a healthy air tight bead of E6000 around **every** swedged joint as shown, 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.



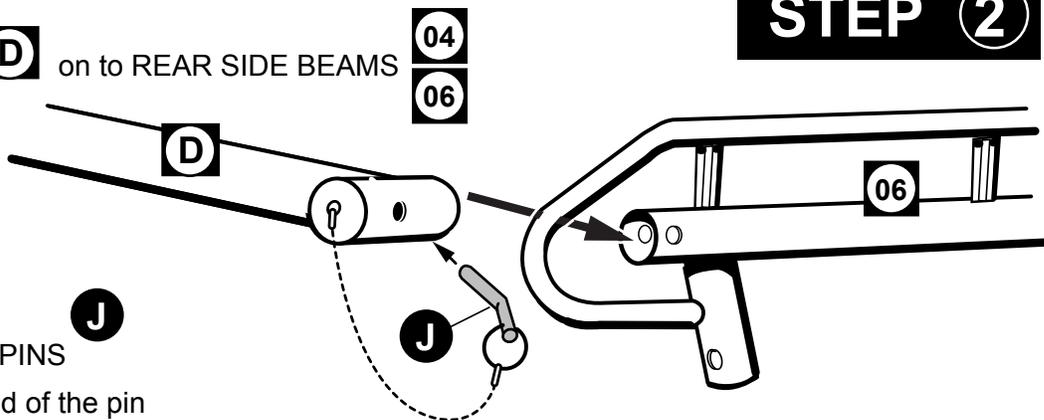
STEP 1

#1 = Cover entire swedge joints with E6000 and join FRONT and REAR side channels together. Be sure the connecting plates overlap and bolt together with bolts **Q**, washers **L** and lock nuts **M**.



STEP 2

#1 = Slide REAR BAR **D** on to REAR SIDE BEAMS **04** **06**

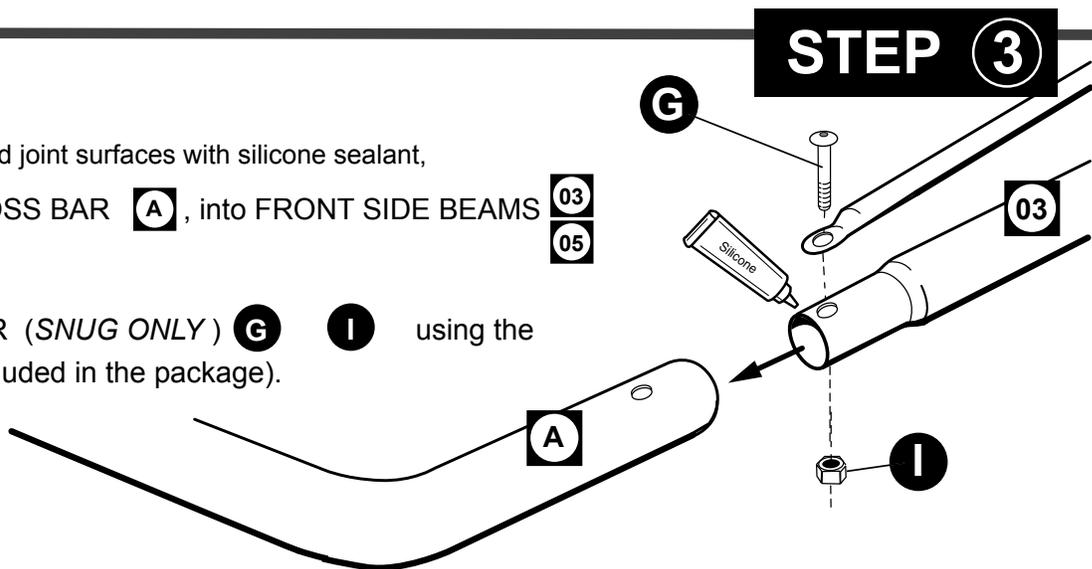


#2 = Fully insert LOCK PINS **J** completely to the bend of the pin

STEP 3

#1 = Cover entire swedged joint surfaces with silicone sealant, Slide FRONT CROSS BAR **A**, into FRONT SIDE BEAMS **03** **05**

#2 = BOLT TOGETHER (*SNUG ONLY*) **G** **I** using the allen wrench (included in the package).



STEP 4

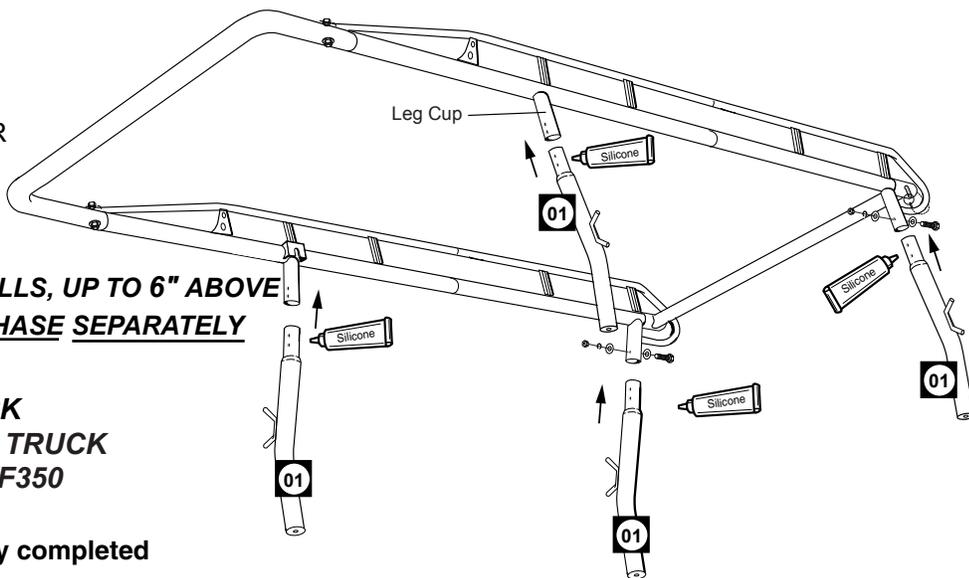
NOTE: All 4 LEGS are identical with the exception of PART 0103-0 (FORD SUPER DUTY), The FRONT legs are straight and the REAR legs are bent.

NOTE: FOR HIGH RISE CAMPER SHELLS, UP TO 6" ABOVE THE CAB , YOU WILL NEED TO PURCHASE SEPARATELY

ACCESSORY EXTENDED LEG KIT # :

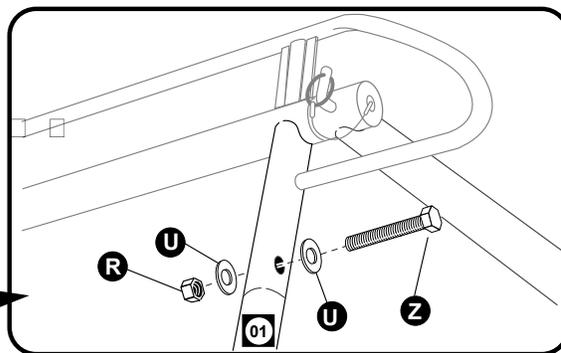
- 31520 - MINI TRUCK
- 31530 - FULL SIZE TRUCK
- 31540 - '99 + F250/F350

NOTE : Steps #4 & #5 are more easily completed with rack turned upside down.



#1= Cover entire swedged joint surfaces with Silicone sealant, Then insert the swedged end of each leg, rope hooks facing outward, into the short leg cup. Repeat this operation for each leg, leaving **FRONT LEGS** unbolted.

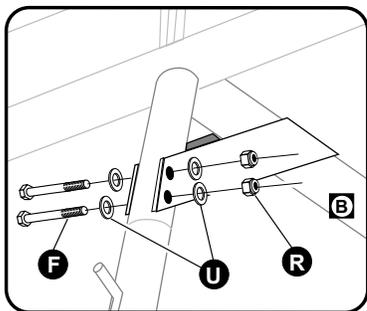
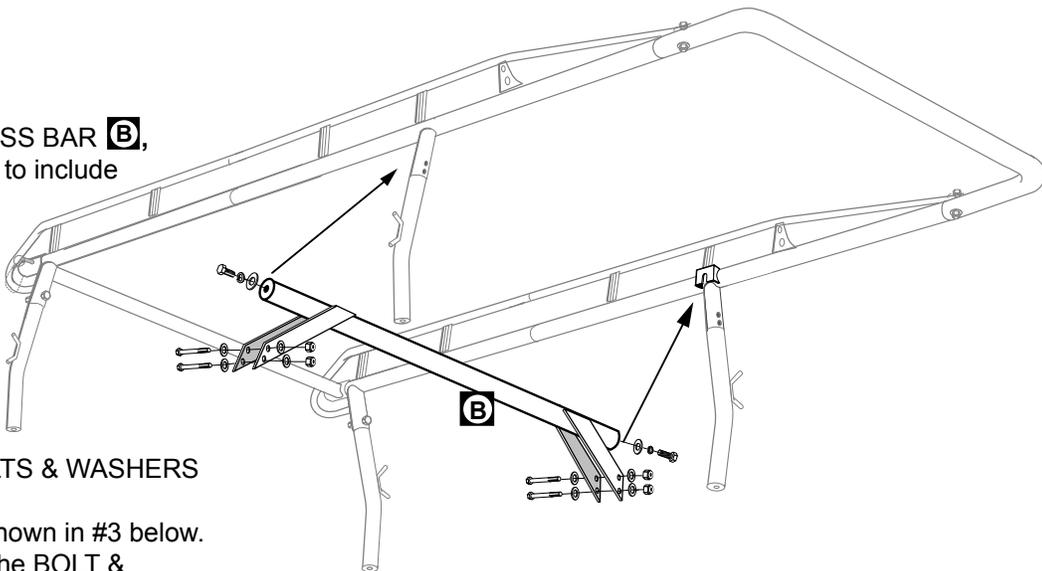
#2= Bolt **REAR LEGS** (as shown)



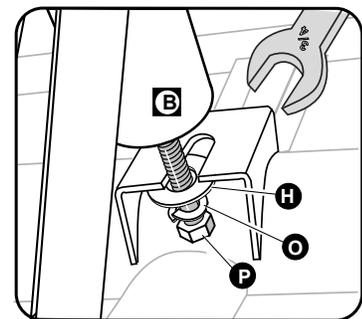
STEP 5

#1= At each end of **CENTER CROSS BAR [B]**, start **BOLTS & WASHERS**. Be sure to include both flat and lock **WASHERS**. Leave loose enough so that **BOLT** shaft can be slid into the **FRONT SLOTTED BRACKET** as shown in #3 below.

#2= On one side of rack, slide **BOLTS & WASHERS** into **FRONT SLOTTED BRACKET** as shown in #3 below. On the other side of the rack, slide the **BOLT & WASHERS** into **FRONT SLOTTED BRACKET**. Bolt **CENTER CROSS BAR BRACES** and **LEG** together (snug only). Returning to the other side of the rack, bolt the **CENTER CROSS BAR BRACES** and **LEG** together (snug only)



#3= With an open end 3/4" wrench, snug the **CENTER CROSS BAR BOLTS** on each side of the rack.



STEP 6

#1= Turn rack right side up now.

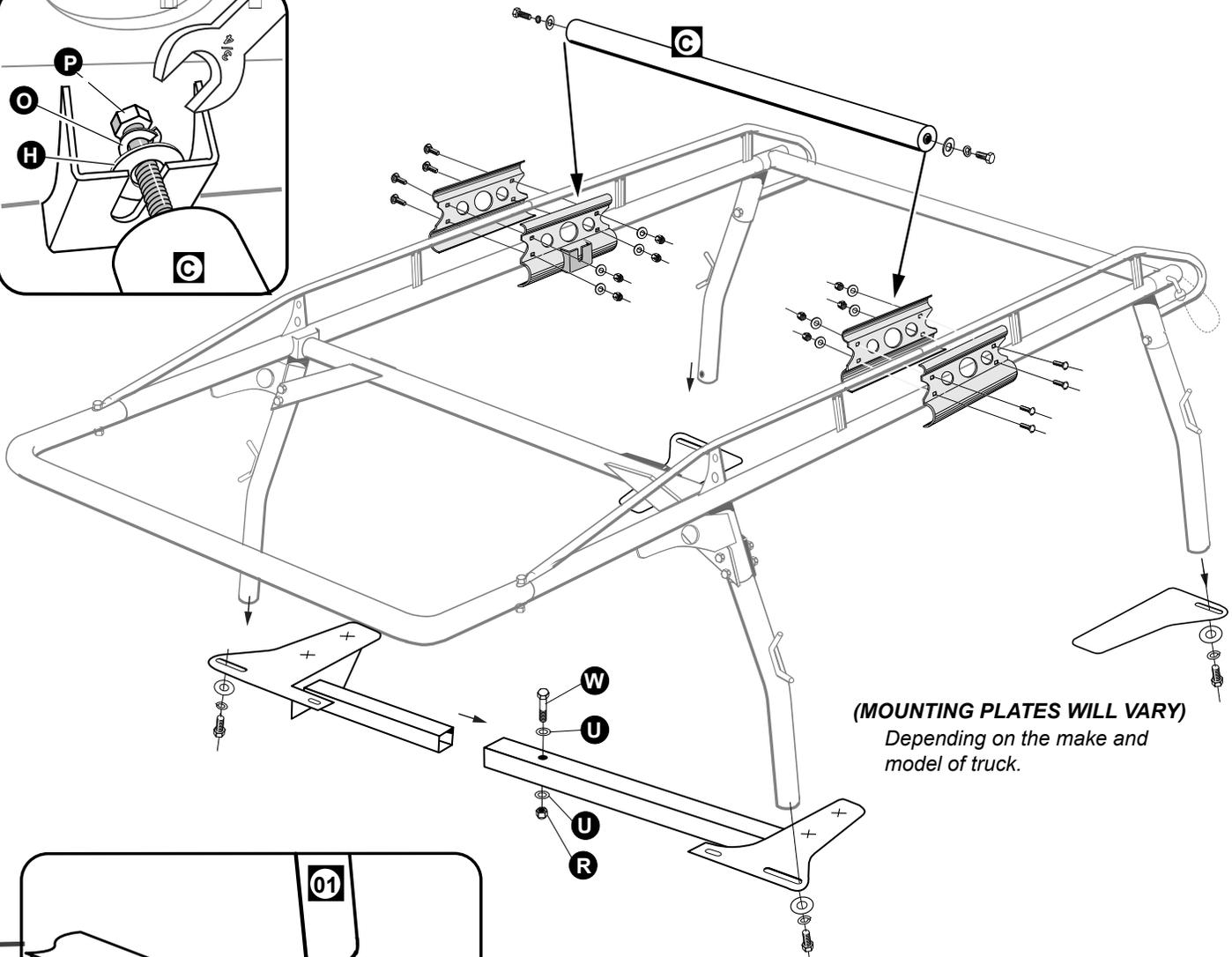
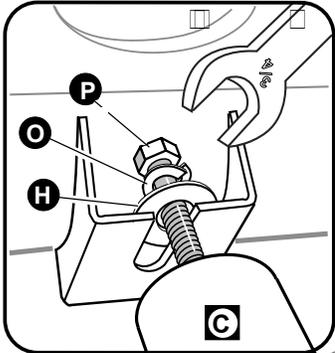
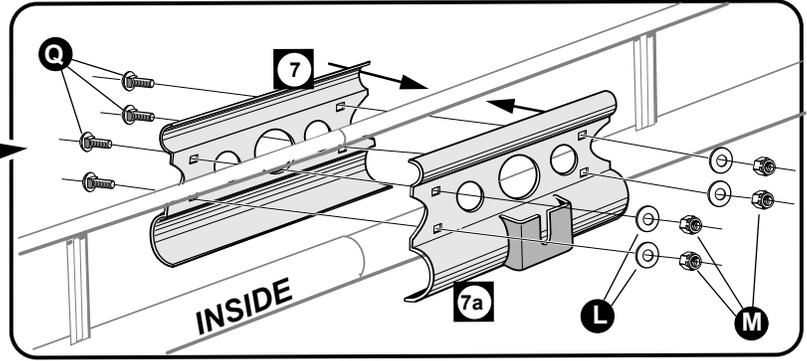
Attach **CLAMP PLATES 7 7a** centered at tube joint, with slotted brackets towards inside of **RACK Q L M**

#2= At each end of **CROSS BAR C**

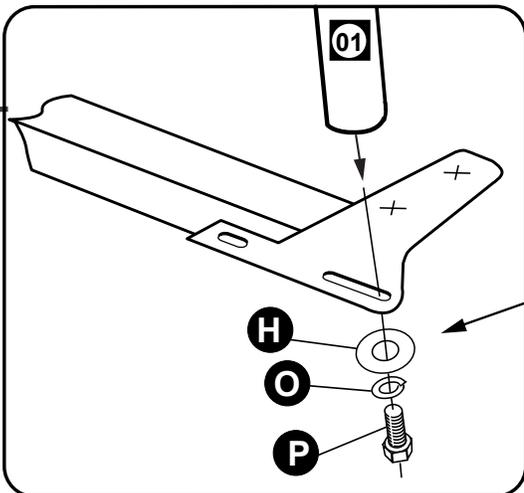
start **BOLTS & WASHERS P O H**

Slide **BOLTS & WASHERS** into **SLOTTED BRACKETS**

on the **INSIDE CLAMP PLATES 7a**, snug with an open end 3/4" wrench (included in this package)



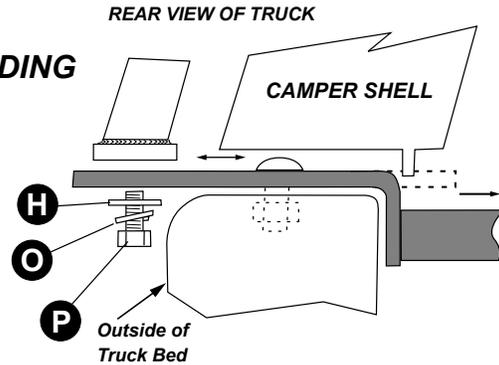
(MOUNTING PLATES WILL VARY)
Depending on the make and model of truck.



The front Mounting Plates have Support Arms. Slide one Arm into the other and attach this assembly loosely to the front legs of the rack using bolts **P**, lock washers **O**, and flat washers **H**. Attach rear Mounting Plates loosely to legs using bolts **P**, lock washers **O** & flat washers **H**.

STEP 7

(MOUNTING PLATES WILL VARY DEPENDING ON MAKE AND MODEL OF TRUCK)



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

#2 = Position the rack on the truck as far forward as possible, with Mounting Plate tongue over the front bulkhead of the truck bed. Center the rack left to right on 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. Or, you may want to notch the ridge front and back so that the Mount Plates can be slid towards the center of the truck to minimize overhang.

#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 truckbed 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, and unbolt the Mounting Plates. Punch hole centers in the locations that you have marked and drill 3/8" holes in the Mount Plates and the inner Support Arm.

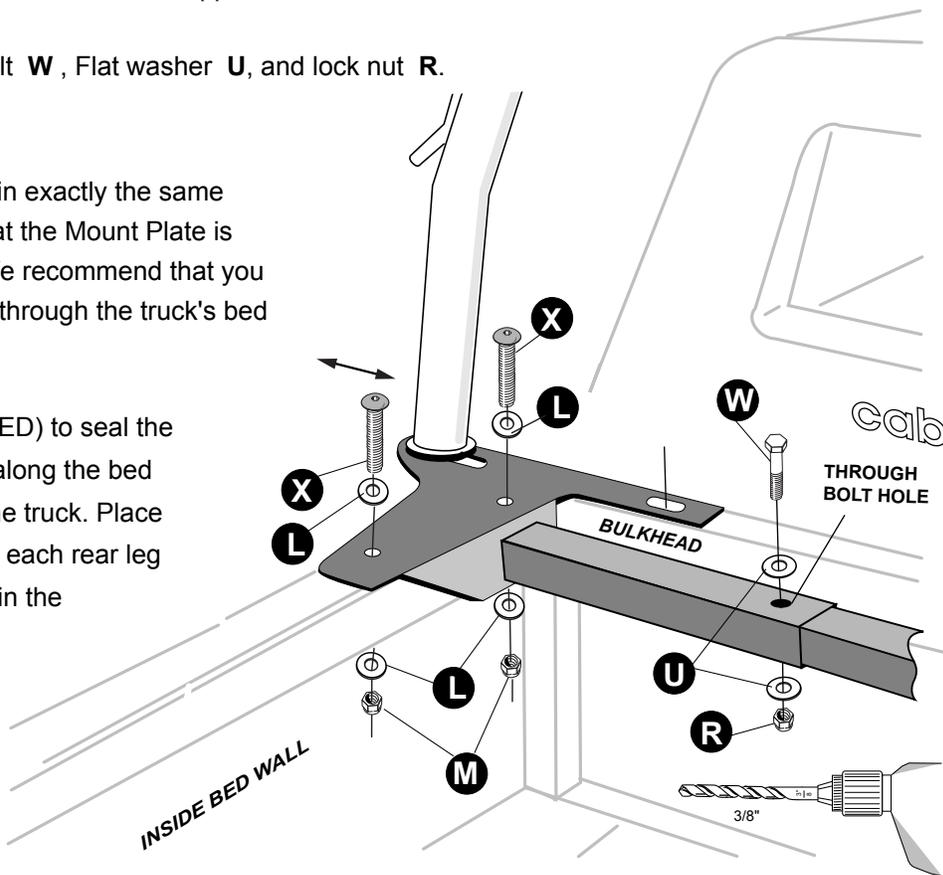
#5 = Bolt the Support Arms together using bolt **W**, Flat washer **U**, and lock nut **R**.

#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 and dead horizontal. We recommend that you clamp each foot plate in position before drilling through the truck's bed rail. **CHECK TWICE - DRILL ONCE!**

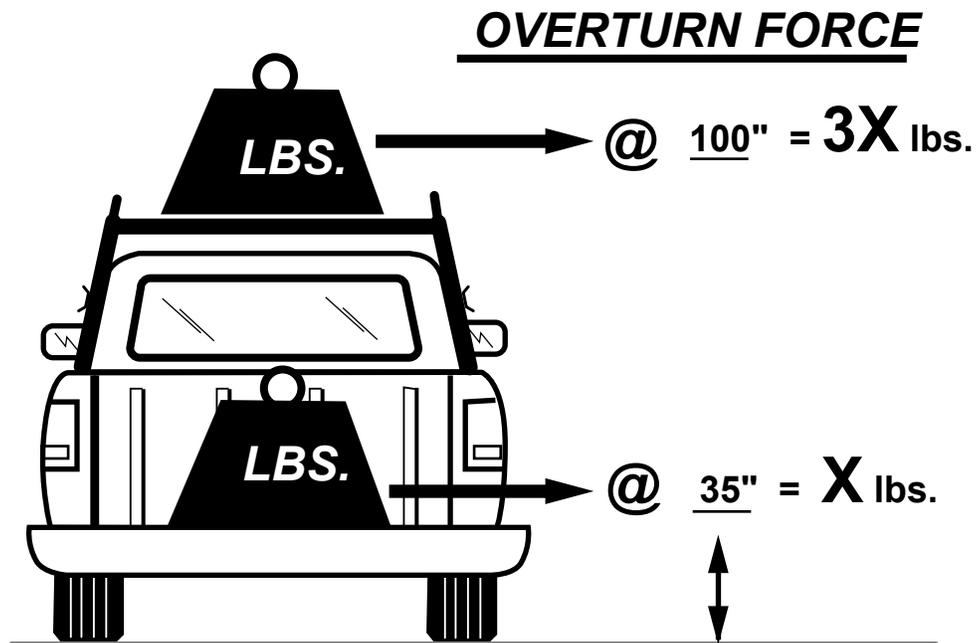
#7 = Apply adhesive foam tape (NOT INCLUDED) to seal the gaps between the footplates and camper shell along the bed rail and bulk head. Attach the camper shell to the truck. Place the rack on the Mount Plates and center. Adjust each rear leg slightly side to side to ensure that the lock pins in the removable rear bar slide in and out easily. Tighten up ALL bolts and...

THAT'S IT!

You're ready to use and enjoy your **KARGO MASTER TRUCK RACK!**



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 1700 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.

KARGO MASTER[®]

For *TECHNICAL SUPPORT* Call:

1-800-343-7486

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