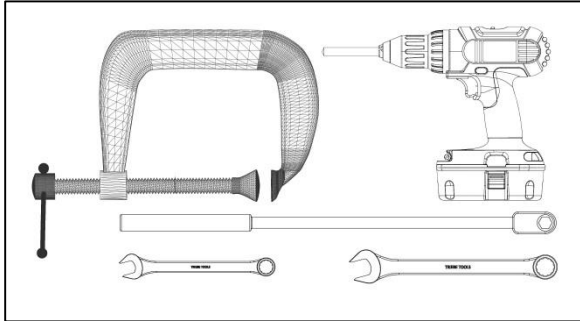


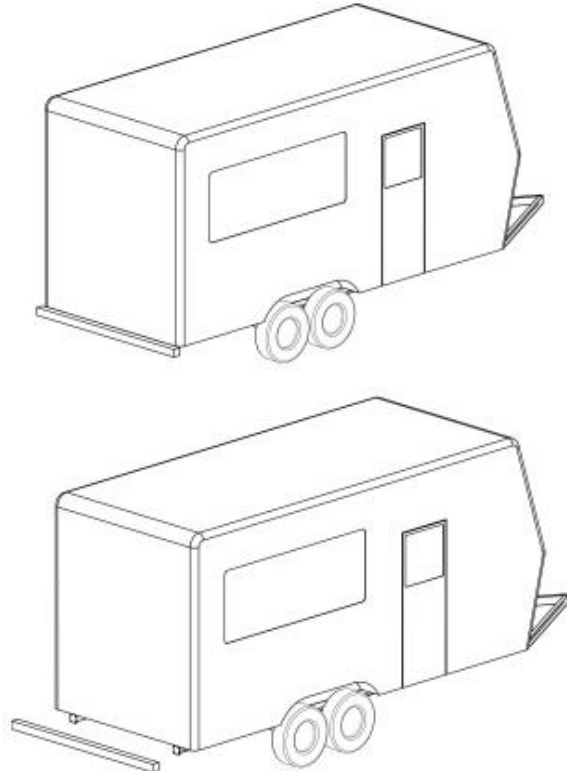
Heavy Duty RV Bumper Installation Guide

Thank you for purchasing the Mount-n-Lock™ Heavy Duty RV Bumper. This guide will walk you through the steps needed to securely install the Mount-n-Lock™ Heavy Duty RV Bumper on your camper or RV.

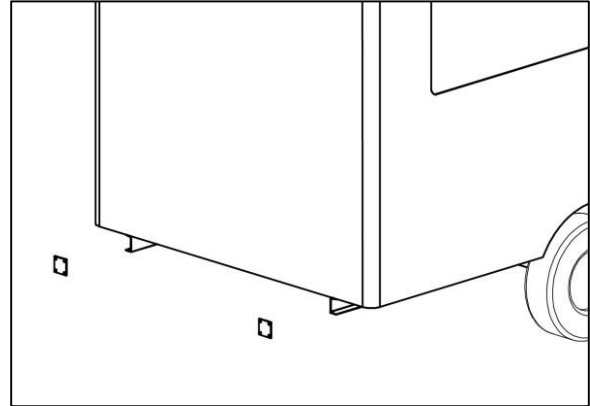
Tools: You will need the following tools to accomplish this installation: 3/4" open-end wrench, 9/16" wrench, torque wrench with 9/16" socket, drill with 3/8" steel bit, and a C-clamp or other suitable clamp.



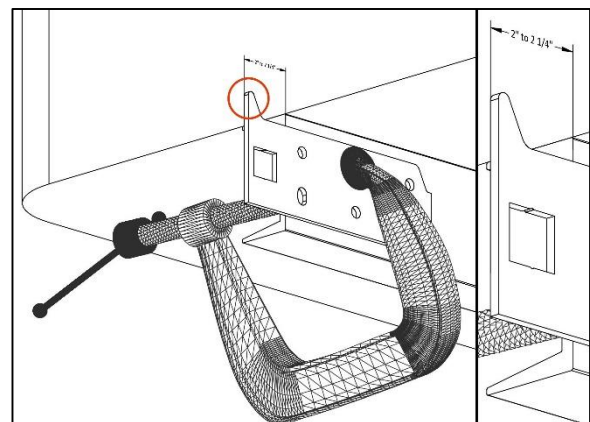
Step 1: Remove existing bumper from vehicle. For older bumpers, this simply entails unbolting it; if newer and welded, cutting will be needed.



Step 2: If bumper was bolted to frame, now remove bumper mounting plates from end of frame rails (likely requires cutting them free), leaving bare, deburred frame rail. Goal is to have a flat, smooth end to the frame rails.

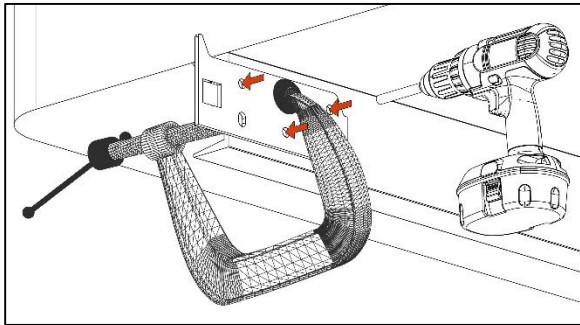


Step 3: Clamp one mounting plate to the vertical face of each frame rail with mounting plate hook (circled) up and each mounting plate extending 2"-2 1/4" beyond body. Ensure that the vertical positioning of the mounting plate on the frame rail will allow for all 6 holes to be drilled and bolted without obstruction from the frame rail cross members or other attachments.

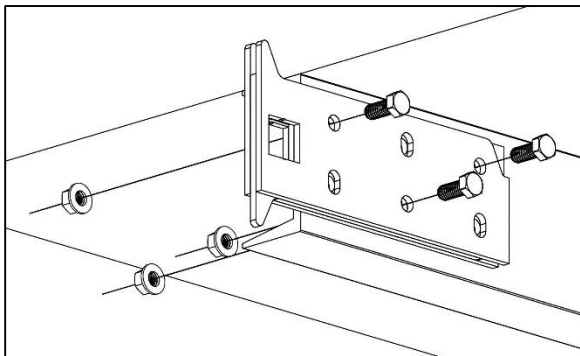
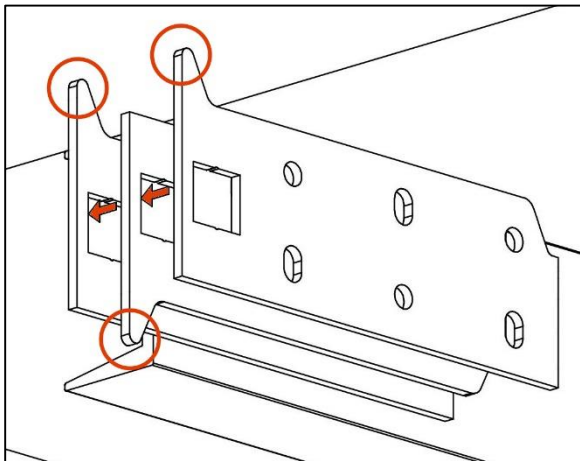


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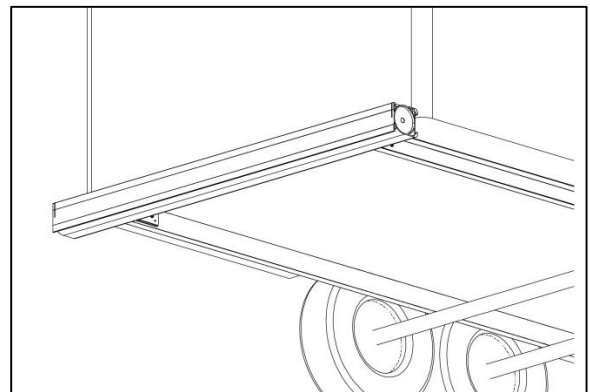
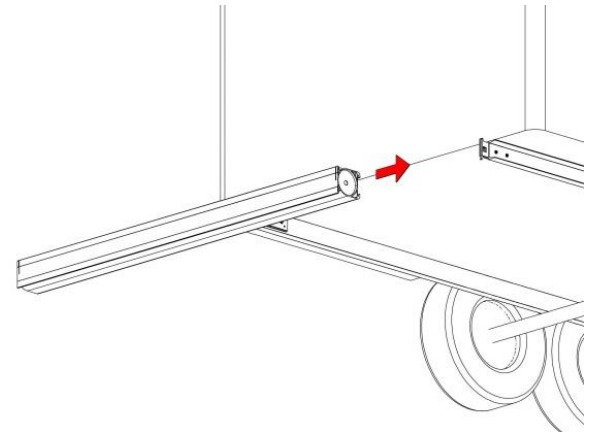
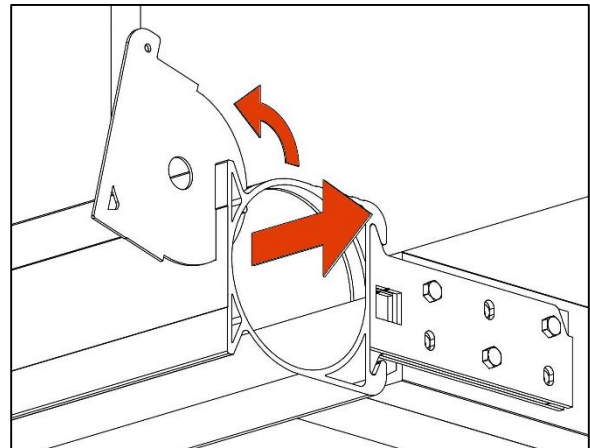
Step 4: Drill three 3/8" holes in each frame rail using the three round holes in the mounting plate (two at top and one at bottom) as a guide.



Step 5: Remove the clamp and sandwich three mounting plates together on each frame rail. Orient the plates so that the two outer plates have the mounting hooks (circled) up while the middle plate has the mounting hook (circled) down, then bolt the plates together using the supplied 3/8" nuts and bolts; only hand-tighten nuts (so plates have some slip).

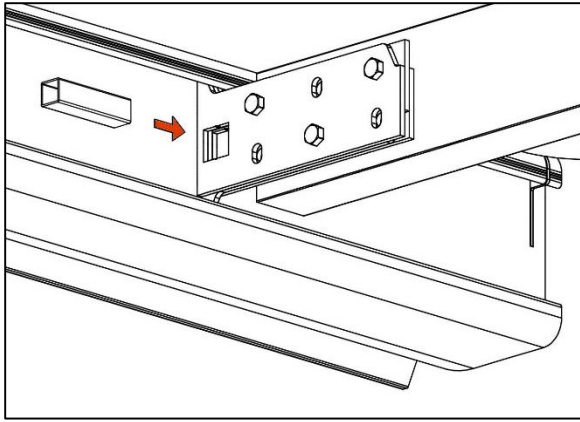


Step 6: With all mounting plates loosely mounted to both frame rails and bumper end plate out of the way, slide bumper mounting channel onto mounting plate hooks, starting at one frame rail and sliding bumper onto mounting plates on other frame rail; keep sliding bumper until centered on vehicle. Mounting plates may bind at times, so go slow and shake bumper if mounting plates bind.

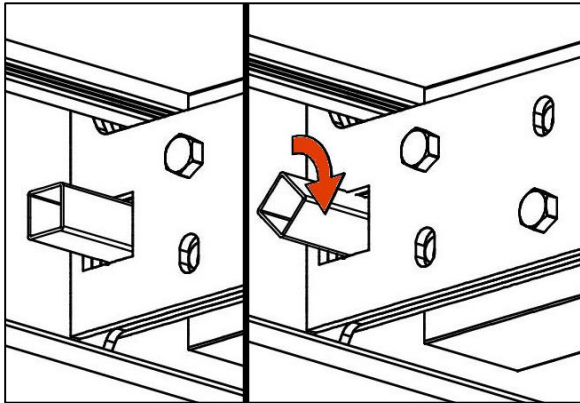


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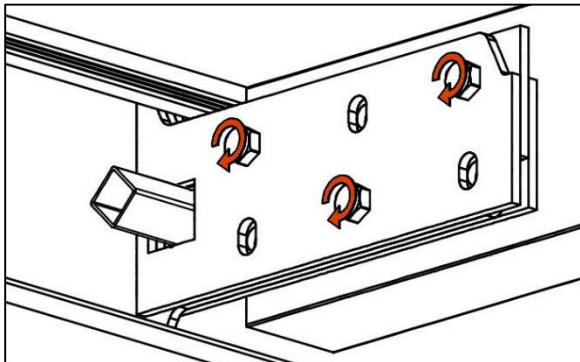
Step 7: Insert square tubing into square holes in mounting plates (one tube per set of plates).



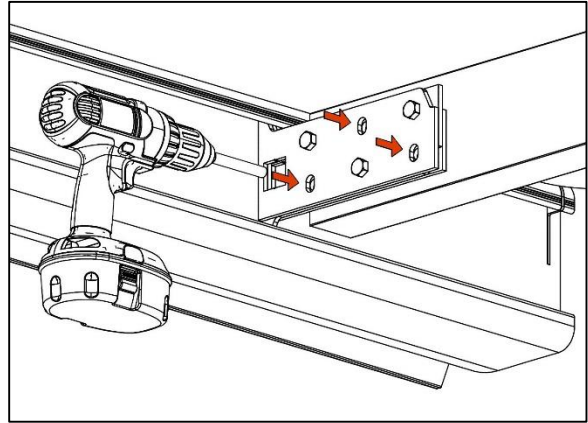
Step 8: Use a 3/4" wrench to rotate tubing 45°; this expands mounting hooks into mounting channel.



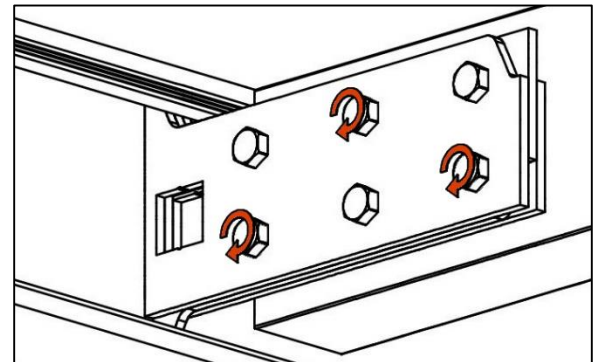
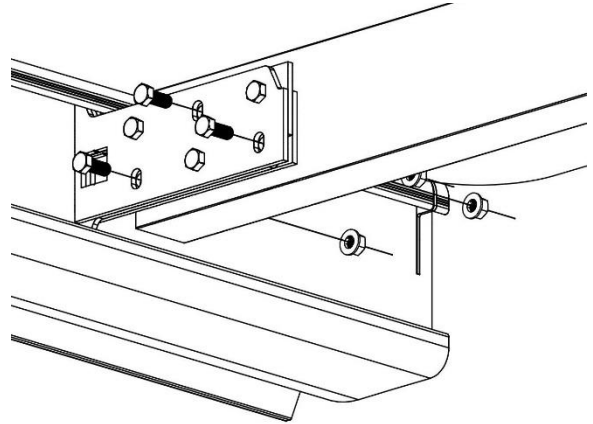
Step 9: With square tubing rotated 45°, ensure that bumper is square to camper left to right and front to back. With bumper aligned, tighten nuts and bolts to 44 ft. lbs. of torque using a torque wrench.



Step 10: With mounting plates now fastened securely to each frame rail, remove the square tubing and drill out the three remaining holes in each set of mounting plates using a 3/8" drill bit.



Step 11: Now insert the supplied 3/8" bolts into the holes you just drilled and secure with supplied lock nuts. Tighten nuts to 44 ft. lbs. using a torque wrench.



All finished! Your bumper is now a solid part of your RV and can be loaded to its rated capacity.