

# Mumby®

## MANUFACTURING LTD.

### RV HITCH ADAPTER Installation Instructions Model Number MUM-RVHA



#### TOOLS REQUIRED

- ❖ 1/4" HEX WRENCH
- ❖ 3/4" SOCKET and EXTENSION
- ❖ 1/2" DRIVE RATCHET

## INSTALLATION INSTRUCTIONS

- I. Remove four bolts holding ball coupler in place.
- II. Remove four bolts on inside of tower that holds machined block in place.  
**NOTE:** When removing machined block attention should be paid to the alignment of the block in the adapter body. (The front of the adapter is the wide end of the ball coupler and the rear of the adapter has the safety chain holes in the column.)
- III. Bolt kingpin block onto the trailer kingpin so that it will slide back into the adapter, aligned in the same direction it was removed from the adapter. Tighten securely.
- IV. Tighten set screws.
- V. Slide the column over the kingpin block, and from underneath, insert 4 bolts (1/2" x 2" with lock washers) inside and tighten. Make sure top plate of column has tightened up to kingpin plate. If it hasn't tightened, the bolts must be removed and a nylon wear washer (available at any RV dealer) needs to be inserted between the column and the kingpin plate and the bolts re-inserted and tightened.
- VI. Insert ball coupler into the column and fasten with the remaining 4 bolts and star washers.
- VII. Tighten bolts to complete installation.

NOTE: Safety chains (Not supplied) need to be bolted to holes, pre-drilled in the column.

**NOTE: FOR 5<sup>TH</sup> WHEEL RVS 28' OR LONGER SEE INSTRUCTIONS BELOW**

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### GUSSET INSTALLATION INSTRUCTIONS FOR RV HITCH ADAPTER ON 5<sup>TH</sup> WHEEL RVS 28' OR LONGER

*Gussets are to be made out of 2" x 3/8" flat bar with 1/2 holes drilled on each end.  
The length of the gussets will vary with different campers.*

- VIII. Bolt gussets to tabs on bottom of adapter. (DO NOT TIGHTEN)
- IX. Rotate gusset upwards to RV hitch to a 25° - 45° angle to the vertical plane. Mark center of hole in gusset so the matching hole that will be drilled in the RV hitch is at least 1/2" in from any edge of the hitch. NOTE: Gussets may have to be bent slightly to match contour of RV hitch.
- X. Remove gussets and drill holes where marked. Cut any excess length off the gussets 3/4" past the edge of the recently drilled hole.
- XI. Bolt gussets back on to Mumby RV Adapter. Rotate gussets upwards and drill holes in RV hitch using gussets as a template as per instruction IX..
- XII. Fasten gussets with bolts provided and tighten. Once complete, installation should look similar to picture below.

