

**IMPORTANT: READ THE FOLLOWING INFORMATION BEFORE OPERATING THIS PRODUCT!**



28240

## RETRACT-A-SPARE TIRE CARRIER

FOR USE ON ALL RECREATIONAL VEHICLES

### INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS



#### TOOLS NEEDED:

9/16" Socket or Ratchet Wrench  
9/16" Open End Wrench  
3/8" or 1/2" Power Drill  
1/4" and 3/8" Drill Bit

### DETERMINING CORRECT MOUNTING LOCATION

This product will mount on trailer frames 52" to 72" wide (side to side). The closer the carrier can be mounted to the frame, the less chance of ground clearance issues. There will need to be unobstructed space side to side on the bottom of trailer frame for the carrier to install correctly

### INSTALLATION INSTRUCTIONS

**STEP 1:** Park and level your travel trailer or fifth-wheel trailer. Prevent wheels from rolling by using tire chocks.

**STEP 2:** Install the Support Wings before mounting to the frame. Using the 3/8" x 7/8" L bolts and 3/8" Nylon nuts, mount each Support Wing to the two sets of predrilled holes on the Main Carrier Assy. Securely tighten each bolt to 20 lb ft torque.

**STEP 3:** Determine a location on the trailer frame to mount the carrier considering warnings and location suggestions above. The location should allow easy access to drive nut.

**STEP 4:** After identifying the desired location on the frame; use the frame bracket (on either side of the carrier) as a template by marking the center of the two holes with a marker that can be easily seen. Once marked, drill a pilot hole using a 1/4" drill bit and then a 3/8" drill bit to finish enlarging each hole. Using two 3/8" x 1 1/4" L bolts and 3/8" Nylon nuts, loosely tighten to secure one side of the carrier in place.

**STEP 5:** Repeat Step 3 on the opposite side of the frame. Be sure that the location on the opposite side is exactly parallel to the location in Step 3. Slide the Main Carrier Assy together with the Telescopic Channel to help determine this location.

**STEP 6:** Once each side is loosely attached to the frame, you will need to drill a 1/4" pilot hole thru the predrilled center hole in the Telescopic Channel. This hole is located on the Telescopic Channel however you will be drilling into the Main Carrier Assy. This is a pass thru hole so you will need to drill the 1/4" pilot hole on each side. Using a 3/8" drill bit, enlarge the hole on each side of the carrier. Using the 3/8" x 2 1/2" L bolt and 3/8" Nylon nut, tighten to 23 lb ft torque to secure the Main Carrier Assy to the Telescopic Channel.

**STEP 7:** Securely tighten the four bolts holding the carrier to the frame (two on each side of frame) to 20 lb ft torque.

**WARNING:** BEFORE DRILLING HOLES INTO THE FRAME, BE SURE THERE ARE NO ITEMS THE DRILL BIT WILL DAMAGE (i.e.: electrical or LP lines, braking or towing related items, holding or water tanks, etc.). IT MAY BE NECESSARY TO LOWER UNDERBELLY SHEET TO ACCESS FRAME FOR INSPECTION AND INSTALLATION. ALSO CHECK WITH THE RV MANUFACTURER OR SELLING DEALER TO MAKE SURE NO WARRANTIES ARE AFFECTED BY DRILLING INTO THE TRAILER FRAME. BAL WARRANTIES ARE LIMITED TO PRODUCTS ONLY USED FOR THEIR DESIGNED AND INTENDED USE. ANY ABUSE OR MISUSE IS THE LIABILITY OF THE OWNER AND/OR INSTALLER.

## OPERATION

**DO NOT USE A CORDLESS DRILL OR IMPACT TO LOWER OR RAISE THE SPARE TIRE. DAMAGE MAY OCCUR TO INTERNAL COMPONENTS IF OVER TIGHTENED.** Once the carrier is mounted securely, use a 3/4" ratchet, socket wrench, box end, or jack speed handle to lower the cable attached to the tire mount to the ground. Slide the tire under the carrier and insert the tire mount into the center hole of the wheel. Once positioned correctly, retract the cable slowly upward making sure the tire mount seats in the wheel. Retract the tire up against the Support Wings for storage. If you need to remove tire, reverse the process above to lower the spare tire to the ground for removal. Be sure to retract the cable and tire mount to the stored position even if there is no spare tire on the carrier.

## PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	503038	BOLT 3/8-16 1.25 GR 5 ZINC	4
2	10500070	BOLT 3/8-16 X 7/8 HHCS GR 2 ZINC	4
3	20400092	TIRE CARRIER OUTER CHANNEL WELDMENT	1
4	20400101	TIRE CARRIER ADJUSTABLE MODIFIED	1
5	20400102	TIRE CARRIER SUPPORT BRACKET 1.60 X 14.00 BOLT-ON	2
6	BAL1012	BOLT 3/8-16 X 2 1/2 GR. 2 ZINC	1
7	BAL1014	NUT, NYLON INSERT, 3/8-16, ZINC	9

