

**IMPORTANT: READ THE FOLLOWING INFORMATION BEFORE OPERATING YOUR:**

**BAL**<sup>®</sup>

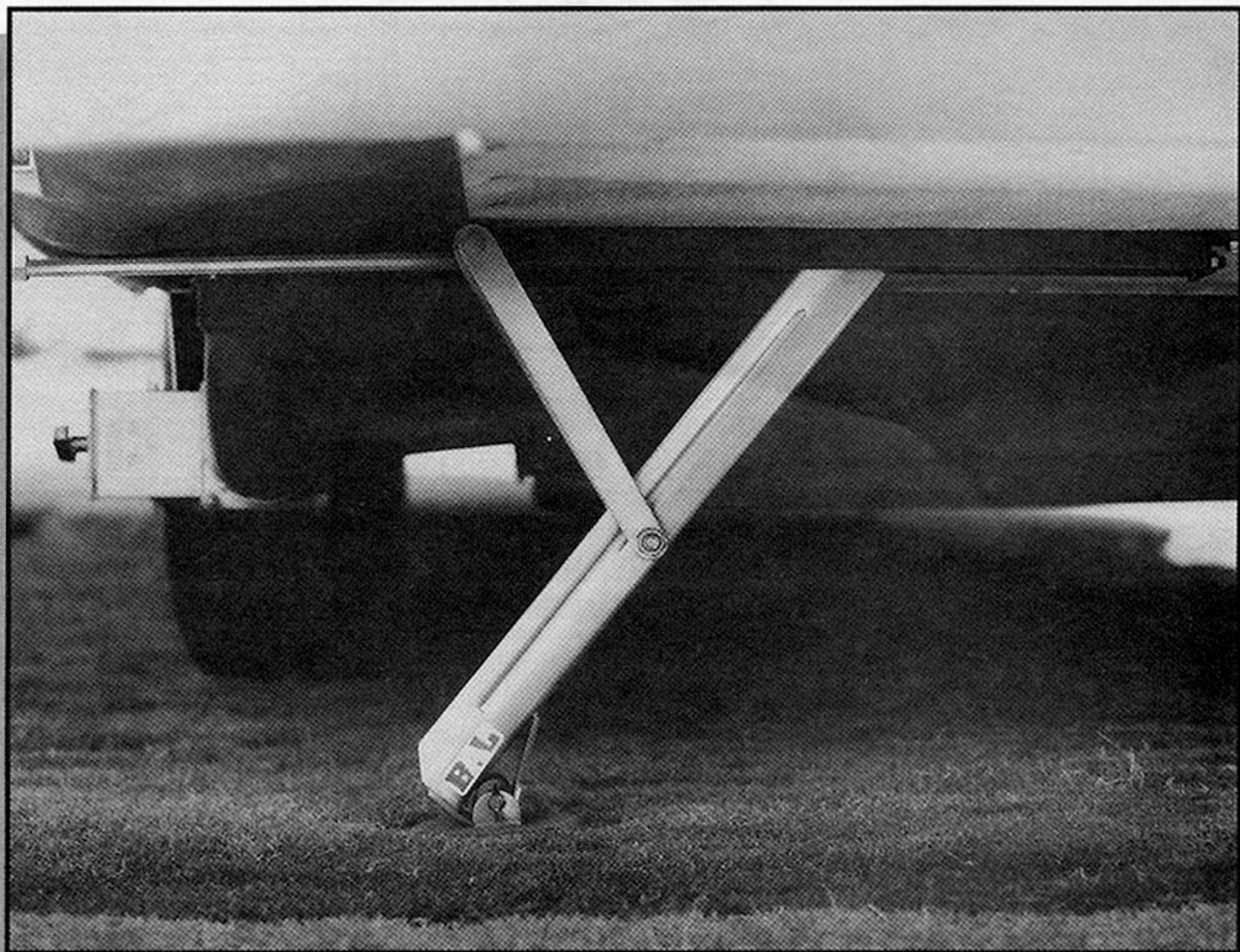
RV PRODUCTS GROUP

20-8-T

## "T" TYPE STABILIZING JACK

FOR USE ON TRAVEL TRAILERS AND 5TH WHEEL TRAILERS

### INSTALLATION AND OPERATING INSTRUCTIONS



**THIS "T" TYPE STABILIZING JACK IS DESIGNED FOR:  
FINE LEVELING AND STABILIZING TRAVEL TRAILERS AND 5TH WHEEL TRAILERS.**

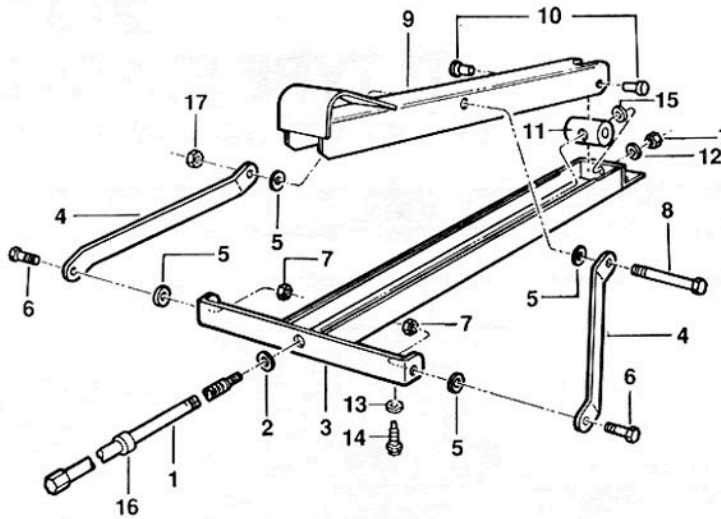


#### **SAFETY WARNINGS:**



- **DO NOT** ATTEMPT TO USE THIS STABILIZING JACK FOR JACKING PURPOSES OR TO SUPPORT THE FULL WEIGHT OF THE TRAILER. USE ONLY THE CRANK HANDLE PROVIDED.
- **DO NOT** ATTEMPT TO USE THIS STABILIZING JACK FOR ANY PURPOSE OTHER THAN ITS INTENDED DESIGN.

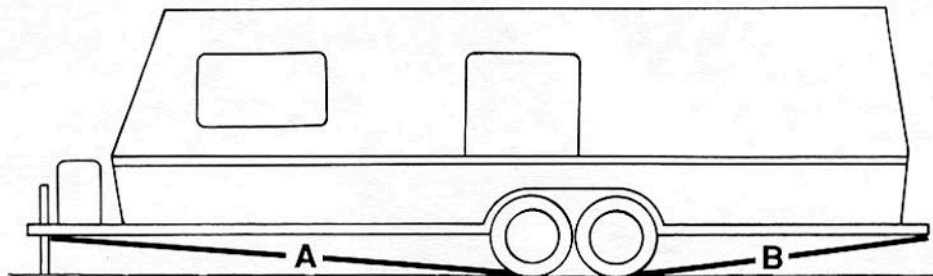
# PARTS LIST



INDEX NO.	PART NO.	DESCRIPTION	INDEX NO.	PART NO.	DESCRIPTION
1	801021	Drive Screw (20-8)	10	801039	Trunion Pin
2	2021	Washer	11	801022	Trunion Pin
3	856010	20" Bed Plate	12	2032	Washer
4	856042	20" Side Stay	13	2023	Lockwasher
5	801052	Washer	14	3024	1" Mounting Screw
6	11019	Hex Head Bolt	15	801017	Washer
7	1014	Lock Nut	16	801028	Collar
8	801054	Hex Head Bolt	17	801053	Lock Nut
9	801090	20" Leg, 1 1/2" wide			

## DETERMINING CORRECT MOUNTING LOCATION

**NOTE: CHECK GROUND CLEARANCE PRIOR TO INSTALLATION.**



### TRAVEL TRAILER AND 5TH WHEEL TRAILER MOUNTING PLACEMENT

WHEN SELECTING PLACEMENT FOR INSTALLATION...

- Be sure that there is adequate ground clearance.
- Be sure that drive screw is accessible.

**STEP 1: PARK ON LEVEL GROUND**

**FRONT:** Draw a string from the front corner of the trailer frame to the bottom of the front tire (A).

**REAR:** Draw a string from the bottom of the back tire to the back corner of the trailer frame (B).

**NOTE: ANY OBJECT PROTRUDING BELOW THESE LINES CAN BE DAMAGED, DRAGGED OFF OR DESTROYED IN UNEVEN TERRAIN (ENTERING OR EXITING DRIVEWAYS, DRIVING OFF ROAD, ETC.)**

### ADDING A CROSS MEMBER

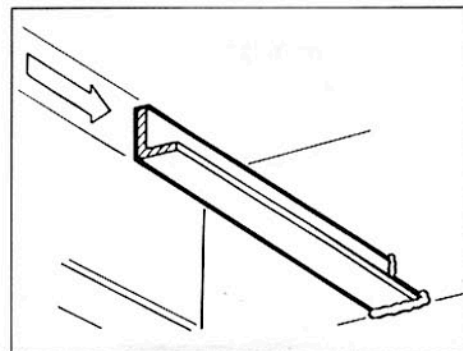
BAL "T" Type Stabilizers are designed to mount to the trailer frame where the crossmember meets the main frame member. On some trailers the frame is enclosed with an underskin. Screws or rivets attaching the under skin to the trailer frame crossmembers will help locate the crossmembers.

**NOTE:** Using the criteria above "Determining correct mounting location" do the following:

- Find the closest existing crossmember
- If there is no crossmember at the desired location a crossmember must be added.

**If a crossmember must be added:**

Use a piece of 2 x 2-1/4" angle iron or equivalent and weld flush with the trailer frame.

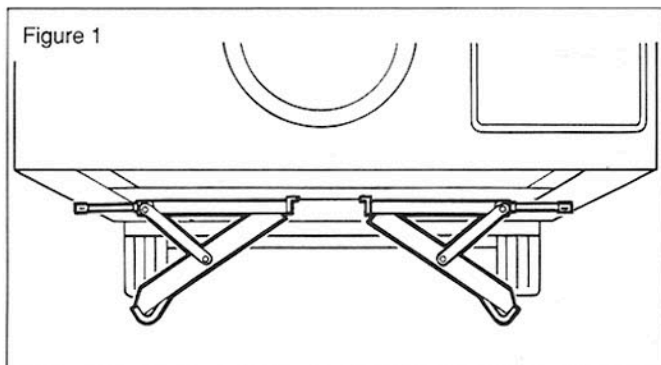


# INSTALLATION

## MODELS 20-8-T

Tools required: hammer, center punch, drill motor, 13/64" diameter drill bit, 3/8" socket and ratchet.

**NOTE:** Park trailer on level ground. Prevent wheels from rolling by using tire chocks, landing gear, or tongue jack.

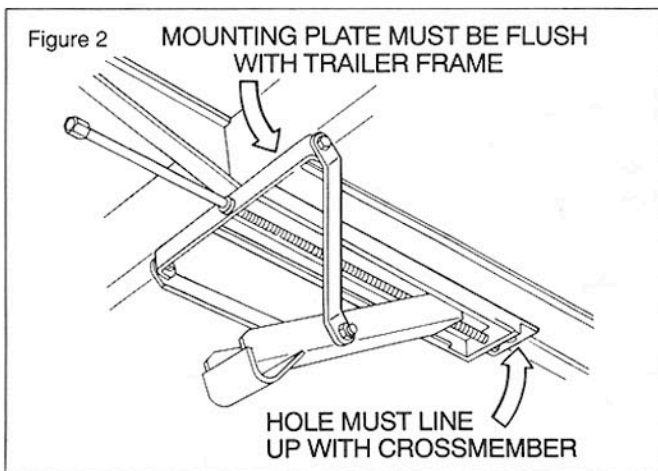


### BOLT-ON INSTALLATION

**NOTE:** Add crossmember if necessary, see page 2.

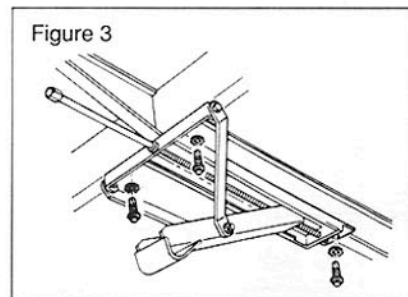
**STEP 1.** Remove stabilizers from package. Crank stabilizers open and slide them under the trailer frame at determined locations. Crank open so stabilizers contact the trailer frame and stabilizers support themselves (Figure 1).

**STEP 2.** For each stabilizer place the front (wide) mounting plate flush with the outer surface of the trailer frame. Position the rear (narrow) mounting plate against the crossmember so one of the mounting holes lines up with the crossmember. Crank the stabilizer open until it is secure against the ground and frame (Figure 2).



**STEP 3.** With the stabilizers in the desired locations, use the mounting plates as a template. Mark the mounting hole locations on the trailer frame with a center punch. Remove stabilizers. Drill (3 each) 13/64" holes in the trailer frame, two at the wide mounting plate location and one in the crossmember for the narrow mounting plate for each stabilizer (Figure 2).

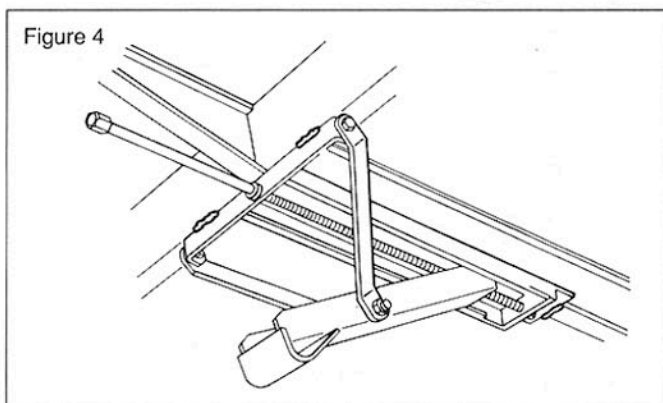
**STEP 4.** Reposition the stabilizers and mount to the trailer frame using the 3/8" socket and ratchet with the self threading screws and lock washers (Figure 3).



**STEP 5.** Make sure stabilizers are cranked up before moving trailer.

### WELD-ON INSTALLATION

**STEP 1.** Remove stabilizers from package. Crank stabilizers open and slide them under the trailer frame at determined locations. Crank open so stabilizers contact the trailer frame and stabilizers support themselves (Figure 1).



**STEP 2.** With stabilizers in desired location, clamp in place and weld mounting plates to trailer frame as shown (Figure 4).

**STEP 3.** Make sure stabilizers are cranked up before moving trailer.

# OPERATION

**STEP 1.** Park RV on level ground, prevent wheels from rolling by using tire chocks.

**STEP 2.** Level trailer fore and aft using tongue jack or landing gear.

**STEP 3.** Check level gauge for low side of trailer, crank down stabilizers on low side first, bringing the trailer to a fine level position.

**STEP 4.** Crank down stabilizers on opposite side of

trailer to insure maximum stability. Then re-slug stabilizers on low side of trailer if necessary.

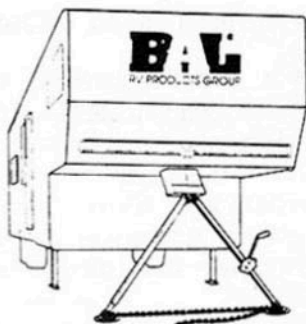
**NOTE - BEFORE MOVING TRAILER:** Crank up stabilizers to fully closed position and tighten 1/4 turn to secure in travel position (this prevents stabilizers from working open due to road vibration).

**MAINTENANCE:** Use small amounts of WD-40 or similar lubricant on drive screw threads and bolt locations as required.

## OTHER FINE BAL PRODUCTS

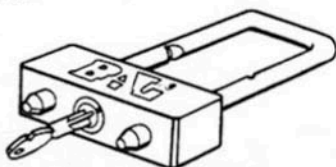
### KING PIN STABILIZING JACK

- Maximum stability for frame overhang
- Sets up in seconds
- Simple to operate
- Heavy duty construction includes heat treated jack post
- Lightweight, easy to store
- Chrome Jacking Handle with rubber grip
- Large diameter Base Pads, heavy duty chain and hooks



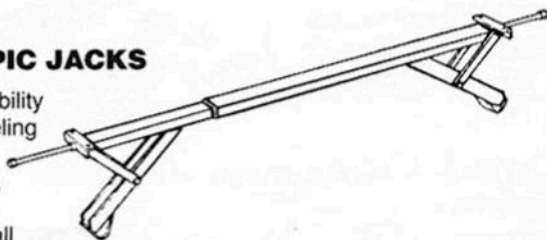
### KING PIN LOCK

- Prevents 5th wheel trailer-hitch hook up
- Locks BAL 5th Wheel King Pin Stabilizing Jack to the king pin to prevent theft of BAL Stabilizing Jacks
- Chrome plated
- Die cast for long life
- 2 position lock
- Patented star key design



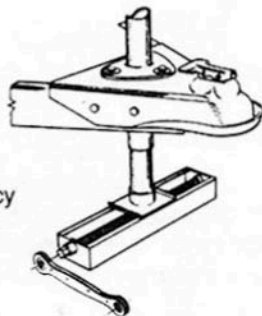
### TELESCOPIC JACKS

- Provides stability and fine leveling
- Attaches to trailer frame, front or rear
- Easy to install
- 2000 lbs. static load per individual jack
- Mounted as an assembled unit



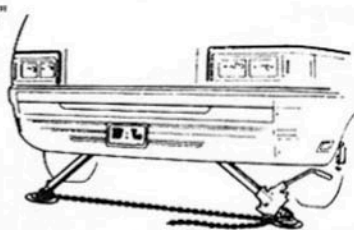
### TONGUE TWISTER

- Eliminates trial and error hitch alignment
- Side to side or diagonal placement moves trailer in any direction with pin-point accuracy
- Chrome plated ratchet wrench moves trailer with ease
- Rust inhibitive coating



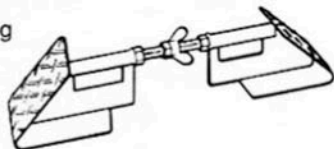
### RV STABILIZING JACKS

- Maximum stability up to 36" from the ground to frame
- Heavy duty construction, rust inhibitive coating
- Lightweight and easy to store
- Two piece chrome jacking handle with rubber grip



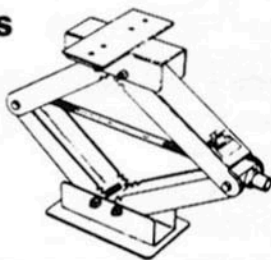
### TIRE LOCKING CHOCKS

- Locks tandem wheels by applying opposing force to tires
- Prevents trailer from rolling
- Aids in trailer stabilizing, stops tire shift



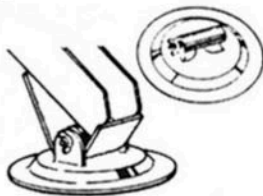
### LEVELING SCISSOR JACKS

- Levels and stabilizes
- One unit fits all RV's, front or rear
- Easy to operate
- 5000 lbs. lifting capacity per jack
- Heavy duty, all steel construction
- Rust inhibitive coating




### STABILIZER BASE PADS

- 7-1/4" diameter provides a firm footing on loose ground
- Easy to install, all hardware supplied
- Rubber sleeve prevents rattle during travel



**BAL**  
RV PRODUCTS GROUP

For information or parts contact: BAL RV PRODUCTS GROUP, A Division of Norco Industries Inc.  
365 W. Victoria St., Compton CA 90220, (310) 639-4000 or (213) 636-1176

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