

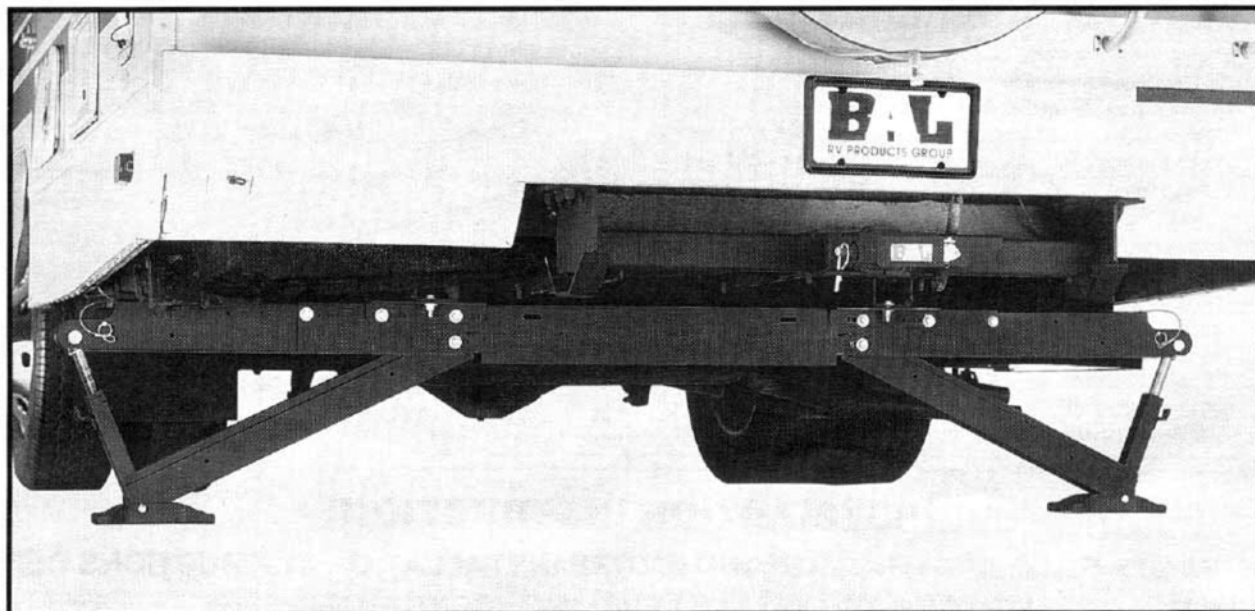
IMPORTANT: READ THE FOLLOWING INFORMATION BEFORE OPERATING YOUR:



MODELS 26150C THROUGH 26465U **QTG LEVELING JACKS**

FOR USE ON MOTORHOMES, TRAVEL AND FIFTH WHEEL TRAILERS

INSTALLATION AND OPERATING INSTRUCTIONS



THIS LEVELING JACK IS DESIGNED TO:

LEVEL AND STABILIZE THE FRONT AND REAR OF RECREATIONAL VEHICLES BY REDUCING THE AMOUNT OF SUSPENSION FREE-PLAY WHEN PARKED FOR CAMPING.

QTG SELECTION CHART

	FRONT	REAR
CLASS C	26151C	26266U
5 TH WHEEL	N/A	26266U
TRAVEL TRAILER	26266U	26266U
CLASS A	26266U+ 26034*	26266U+ 26035*

*AUXILIARY BRACKET KITS 26034 & 26035 MUST BE PURCHASED SEPARATELY



SAFETY WARNINGS:

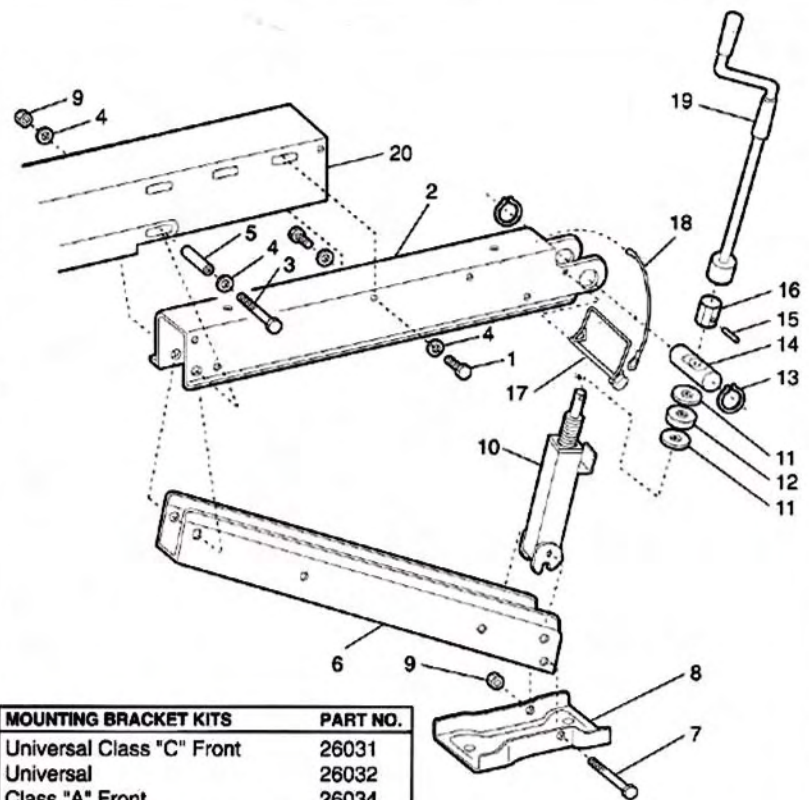


- **DO NOT** ATTEMPT TO USE THESE JACKS TO LIFT EXCESSIVE WEIGHT OR TIRES OFF OF THE GROUND - VEHICLE FRAME AND DOOR JAM DAMAGE MAY OCCUR. USE ONLY STOCK HANDLE SUPPLIED OR A STANDARD 3/8" DRIVE RATCHET WITH 3/4" SOCKET. DO NOT USE A CHEATER BAR ON HANDLE.
- **DO NOT** ATTEMPT TO USE THESE LEVELING JACKS FOR ANY PURPOSE OTHER THAN THEIR INTENDED DESIGN.
- **DO NOT** USE JACKS TO CHANGE TIRES.

CAUTION: Some RV's may be designed and manufactured with sub-frames that are not capable of handling additional force over and above the intended strength to support the cabin weight. Contact your manufacturer for sub-frame strength information prior to using these leveling jacks. NORCO CANNOT BE HELD RESPONSIBLE FOR ANY DAMAGES DUE TO IMPROPER USE OF THIS PRODUCT. NORCO CANNOT BE HELD ACCOUNTABLE FOR THE STRUCTURAL INTEGRITY OF ANY RV FRAME.

PARTS LIST

INDEX NO.	DESCRIPTION	PART NO.
1	Bolt, 3/8"-16 x 1" Hx. Hd., Grade 2	BAL1010
2	Extension Channel	G26007
3	Bolt, 3/8"-16 x 3-3/4" Hx. Hd., Grade 2	R858039
4	Washer, 3/8" SAE	502090
5	Axle Tube	R858013
6	Drop Channel	P858003
7	Bolt, 3/8"-16 x 3-1/4" Hx. Hd., Grade 2	501128
8	Base Pad	P858018
9	Nut, 3/8"-16 Nylock	503910
10	Telescopic Leg for 26151C (7" - 9")	P858095
10	Telescopic Leg for 26266U (10" - 15")	P858105
11	Washer, 5/8" x 1-1/2" x 3/16"	BAL2111
12	Thrust Bearing	R858014
13	1" Snap Ring	BAL12148
14	Support Trunion	R858012
15	Groove Pin	R858015
16	Hex Nut (1/2")	P858108
N/S	Sizing bushing - for original models with 5/8" trunion opening. Use with #16	R858093
17	Travel Lock Pin	R858023
18	Lanyard	R858029
19	Crank Handle	26033
20	50" Main Channel	26050
20	65" Main Channel	26065
	Hardware Kit	26030



MOUNTING BRACKET KITS	PART NO.
Universal Class "C" Front	26031
Universal	26032
Class "A" Front	26034
Universal Adapter Class "A" Rear	26035

INSTALLATION INSTRUCTIONS

IMPORTANT: READ AND UNDERSTAND ENTIRE INSTALLATION INSTRUCTIONS BEFORE ATTEMPTING TO INSTALL LEVELING JACKS.

The following installation instructions are for a typical Class "C" Motorhome. While other applications may require different bracketry and hardware, the following installation instructions will serve as a typical guideline.

IMPORTANT: PARK THE MOTORHOME ON A HARD, FLAT, LEVEL SURFACE. PUT THE TRANSMISSION IN PARK POSITION AND APPLY THE EMERGENCY BRAKE.

TOOLS REQUIRED:

3/8" Drive Socket Wrench

9/16" Hand Wrench (Open and Closed Ends)

9/16" Deep Socket with 6" Extension

Floor Service Jack

REAR OF VEHICLE

STEP 1. Assemble the leveling jacks by sliding the jack sections into both ends of the center channel as shown in figure 3. When the desired length of the assembly is obtained and holes are aligned, install the bolts, washers and

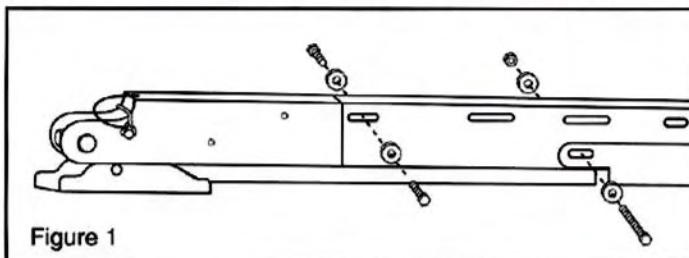


Figure 1

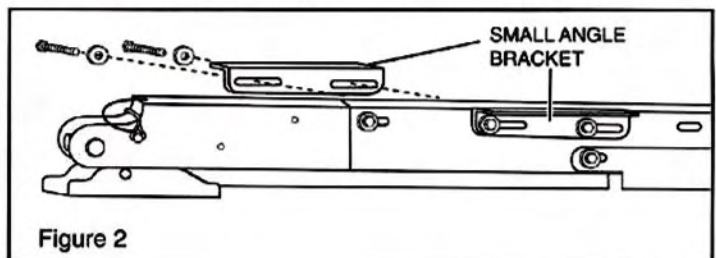


Figure 2

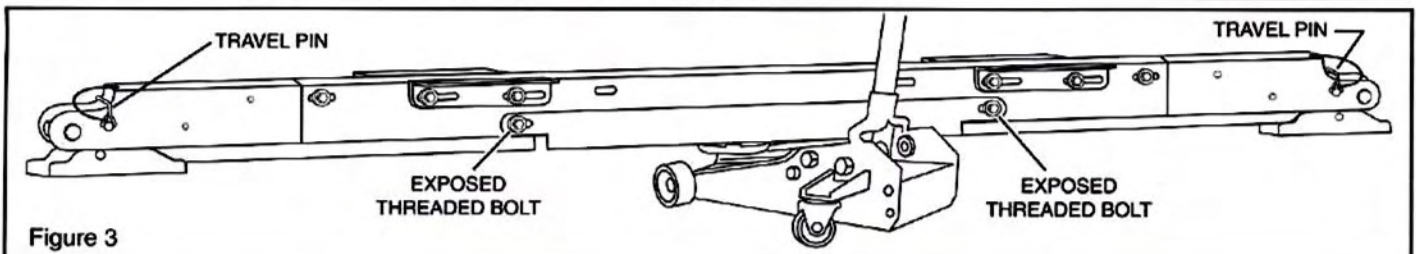
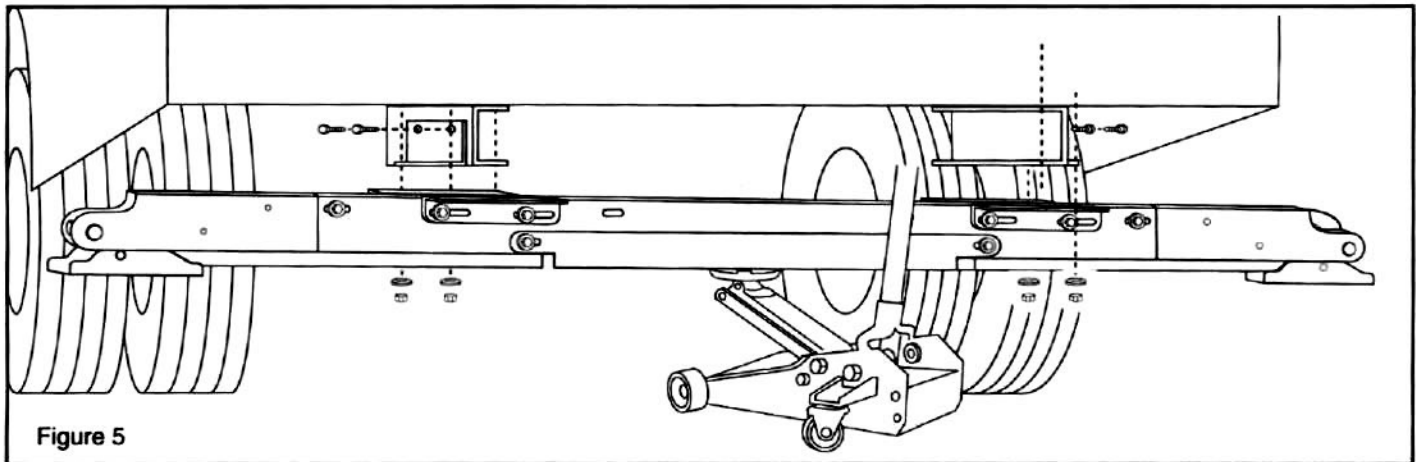
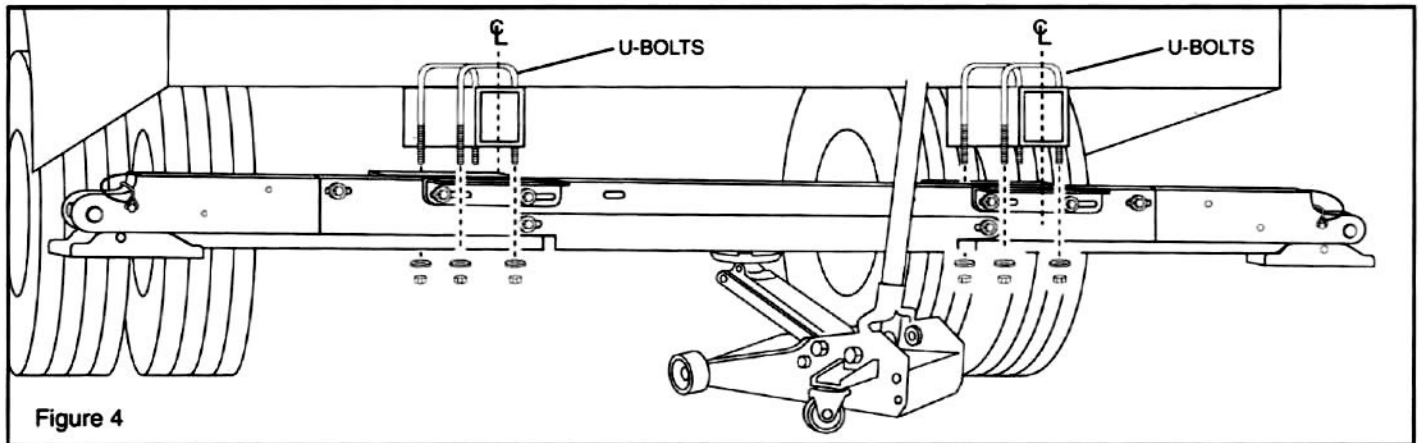


Figure 3

INSTALLATION INSTRUCTIONS (Continued)



nuts as shown in the driver's side figure 1. Hand tighten the bolts and nuts to allow for fine adjustment of the length.

STEP 2. Install two small angle brackets on each leveling jack. Figure 2. Do not tighten the bolts. Balance the leveling jack assembly on the lift saddle of an automotive floor jack as shown in figure 3. Make sure the side of the leveling jack assembly with the two exposed threaded bolts is facing the rear of the motorhome. Also make sure the travel pins are installed from the rear of the motorhome.

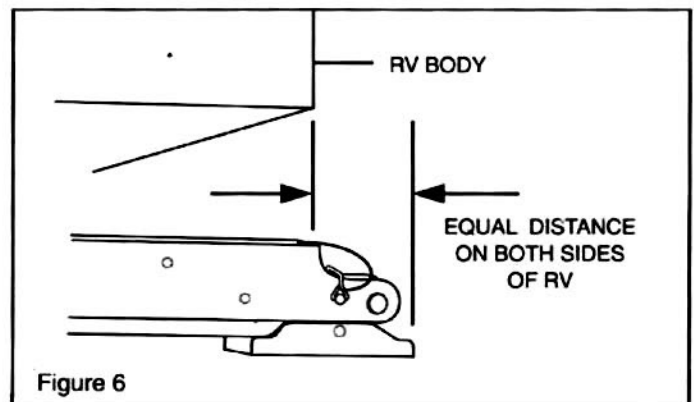
STEP 3. NOTE: The rear leveling jack assembly must be installed on the RV frame in back of and as close to the rear wheels as possible without interfering with under vehicle components. Never install the leveling jack assembly on an extended vehicle subframe.

Push the floor jack with leveling jack assembly in towards the rear of the motorhome. Pump the floor jack up until the top of the leveling jack assembly is touching the motorhome frame. At the same time make sure the holes of the small angle brackets are aligned on either side of their respective vehicle frames as shown in figure 4. It may be necessary to slide the small angle brackets from side to side to position the holes correctly.

STEP 4. Install four U-bolts over the vehicle frame as shown in figure 4 making sure the bolts fit through the corresponding holes in the small angle brackets. Install the washers and locknuts but do not tighten.

NOTE: If U-bolts cannot be used due to obstruction by under vehicle components, weld or bolt the optional angle bracket adapters to the outside webs of the frame rails as shown in figure 5. Secure the small angle brackets to the optional angle bracket adapters as shown in figure 5.

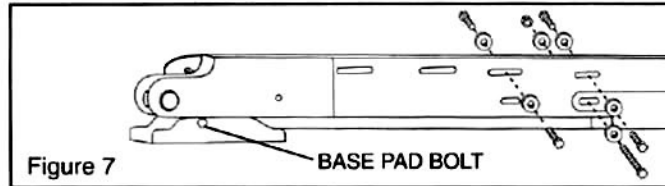
STEP 5. Remove the floor jack. Complete steps 2 and 3 of the Operating Instructions (Lowering the Jacks) in order to extend both drop legs. Make sure the hand grip of the crank handle clears the side of the RV when the drop leg engages with the bolt in the support leg. If more clearance is required, pull each jack leg to its respective outboard direction. Make sure the entire leveling jack assembly is centered on the motorhome by having the exposed ends of the assembly at equal distance from the outside of the body. See figure 6. Tighten all bolts and nuts on the leveling jack assembly.



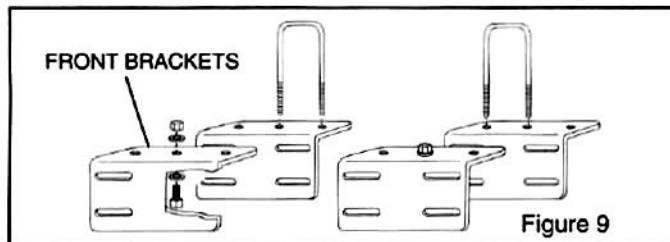
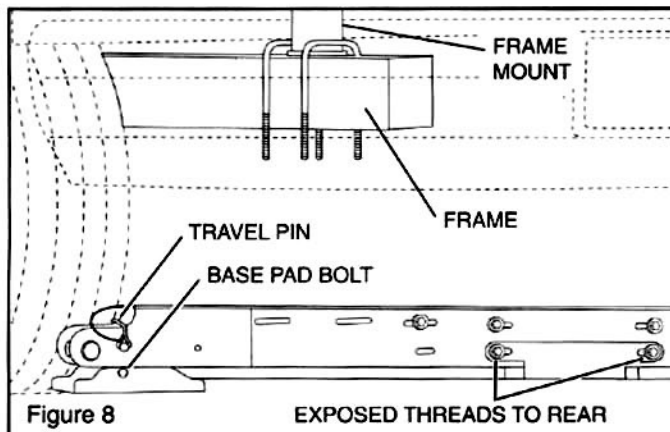
INSTALLATION INSTRUCTIONS

FRONT OF VEHICLE

STEP 1. Assemble the leveling jacks by sliding the jack sections into both ends of the center channel as shown in figure 3. When the desired length of the assembly is obtained and bolts are aligned, install the bolts, washers and nuts on both ends of the center channel. Figure 7 shows driver's side. Hand tighten the bolts and nuts to allow for fine adjustment of the length.



STEP 2. Make sure the side of the leveling jack assembly with the two exposed threaded bolts is facing the rear of the motorhome. Also make sure the travel pins are installed from the front of the motorhome. It may be necessary to reverse the base pad bolts so the nut ends face the front of the vehicle and away from the tire turning radius. Figure 8.

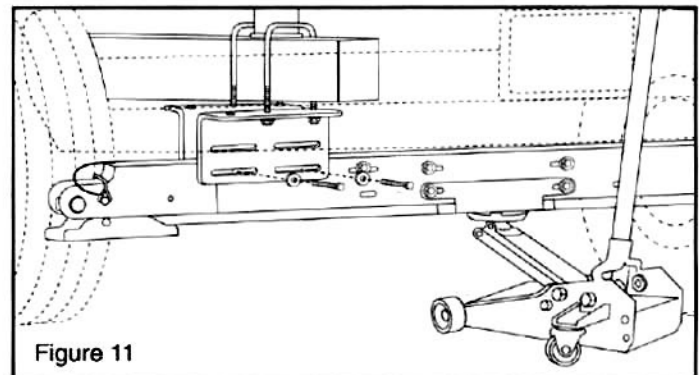
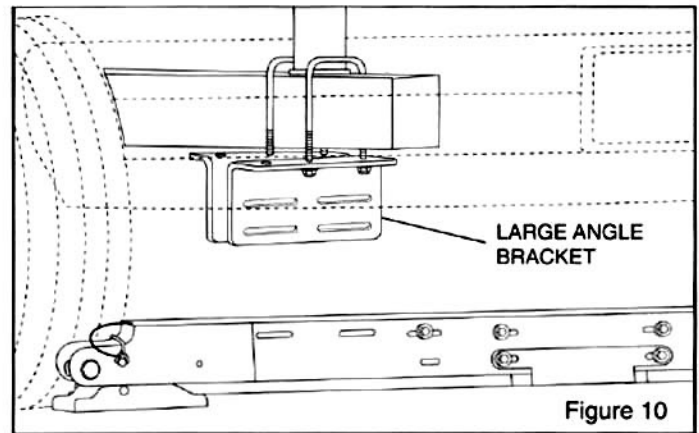


STEP 3. Install four U-bolts over the motorhome frame as shown in figure 8. It may be necessary to cut a small notch from the plastic splash guard on late model motorhomes to allow the front U-bolts to drop into place. The U-bolts should straddle on either side of the front body frame mounts. See figure 9 for optional installation on Ford Class "C" Motorhomes 1991 and older.

NOTE: The two front brackets will bolt through existing holes in the vehicle's bumper.

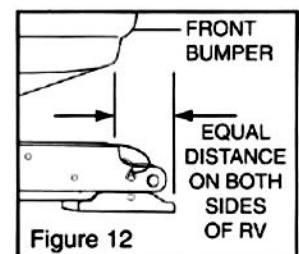
STEP 4. Install the large angle brackets on the U-bolts with the washers and locknuts provided. See figure 10. Do not tighten the locknuts.

STEP 5. Balance the leveling jack assembly on the lift saddle of an automotive floor jack as shown in figure 11. Push the floor jack with leveling jack assembly in towards the front of the motorhome. Align the assembly with the large angle brackets. Slowly pump the floor jack



up until two slotted holes in the sides of the large angle brackets line up with the threaded holes in the leveling jack assembly.

STEP 6. Fasten the large angle brackets to the leveling jack assembly with the bolts and washers provided. Install the bolts loosely. Remove the floor jack. Complete steps 2 and 3 of the Operating Instructions (Lowering the Jacks) in order to extend both drop legs. Make sure the hand grip of the crank handle clears the side of the RV when the drop leg engages with the bolt in the support leg. If more clearance is required, pull each jack leg to its respective outboard direction. Make sure the entire leveling jack assembly is centered on the motorhome by having the exposed ends of the assembly at equal distance from the outside of the body. See figure 12.



STEP 7. Tighten all bolts on the leveling jack assembly including the ones that attach the large angle brackets to it. Pull the U-bolts and leveling jack assembly as far forward as possible towards the bumper before tightening the locknuts on the U-bolts.

CAUTION: Turn the vehicle's steering wheel all the way to the left and then all the way to the right making sure that no part of the leveling jack assembly interferes with the tire turning radius. If interference is observed, loosen all four U-bolts and pull the entire leveling jack assembly towards the front of the vehicle away from the tires. Once the assembly has been repositioned, hold in place while U-bolts are tightened. **FAILURE TO CHECK FOR TIRE CLEARANCE MAY CAUSE SEVERE DAMAGE TO THE VEHICLE AND/OR LEVELING SYSTEM.**

BAL QTG MOTORHOME LEVELING JACKS OPERATING INSTRUCTIONS

WARNING: This system is not designed for lifting RV wheels off the ground. When the ground is sloped beyond the leveling capacity of the jacks it is recommended to change the location of the RV or use ramps to raise the low side of the RV.

LOWERING THE JACKS TO LEVEL AND STABILIZE

STEP 1. Park RV on as level a ground as possible.

IMPORTANT: Put transmission in park position and apply the emergency brake. It is important to drop all four drop legs into their locked position to make sure each jack has ground clearance.

STEP 2. Remove the travel pull pin. See figure 1. Engage the crank handle with the hex portion of the drive screw. See figure 2. Turn the handle clockwise approximately 12 complete revolutions until the drop leg is released from the locked travel position.

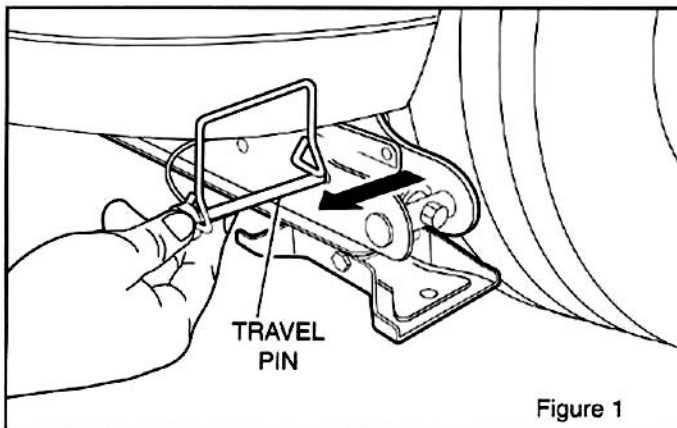


Figure 1

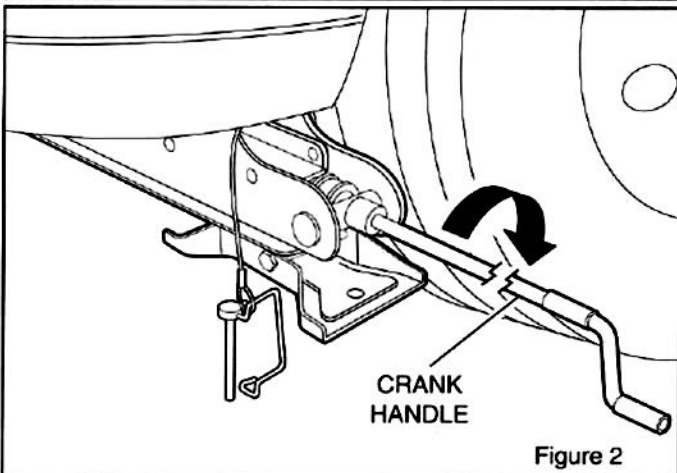


Figure 2

STEP 3. Push upwards on the crank handle to cause the drop leg to fully engage with the bolt in the support leg. See figure 3.

IMPORTANT: If required ground clearance is not obtained, turn crank handle counter clockwise approximately 12 complete revolutions so that the screw completely retracts into the drop leg for maximum drop leg swing down clearance. This enables the drop leg to engage with the bolt in the support leg. If at any time a drop leg cannot be fully engaged with the support leg bolt, change the location of the RV or use ramps to raise the low side. See figure 4. Then repeat steps 1 through 3.

STEP 4. Activate the jack on the lowest corner of the RV by turning the crank handle in a clockwise direction.

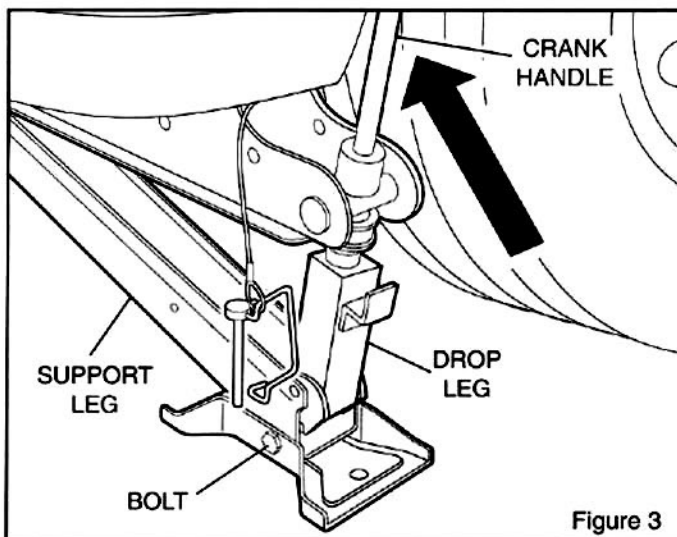


Figure 3

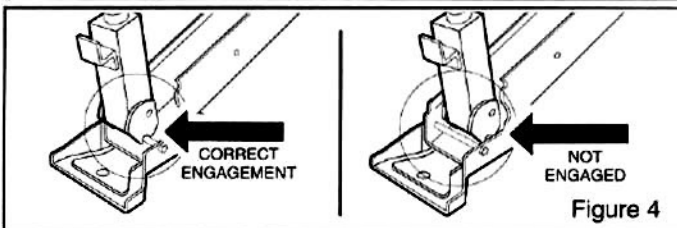


Figure 4

Once again, before applying too much pressure, make sure the bottom of the drop leg is fully engaged with the bolt in the support leg. See figure 4. Turn crank until desired level is achieved. Next, crank the jack on the opposite side of the RV in the rear if the first jack cranked down was in the rear, or in the front if the first jack cranked down was in the front.

STEP 5. For the opposite end of the RV repeat step 4.

STEP 6. Once all jacks have been cranked to the desired height and the RV is level, make sure there is adequate pressure on all jacks by testing pressure on screws using the crank handle.

NOTE: The use of blocks (wood or plastic) may assist in leveling and stabilizing under the following conditions: 1) Soft or uneven ground. 2) Excessive ground clearance. See figure 5.

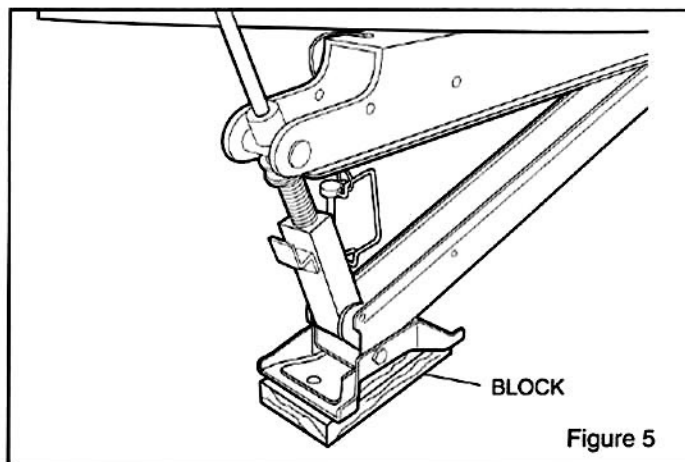


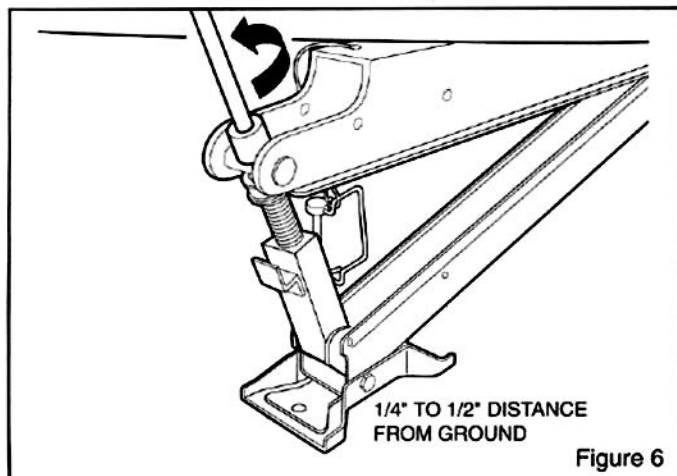
Figure 5

BAL QTG MOTORHOME LEVELING JACKS

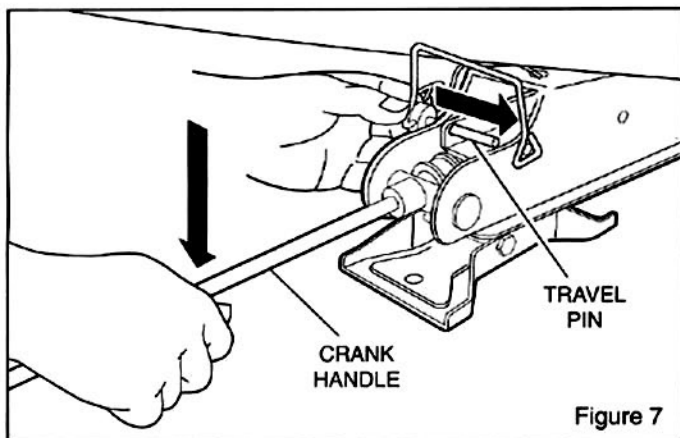
OPERATING INSTRUCTIONS

RAISING JACKS FOR TRAVEL

STEP 1. Release pressure on the jacks on the high side of the RV first and then on the jacks on the low side of the RV. Turn the crank handle in a counter-clockwise direction until each jack pad is slightly off the ground. See figure 6.

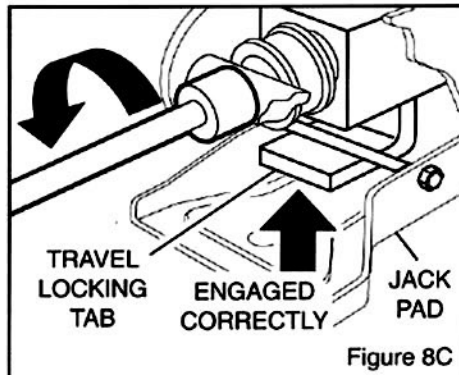
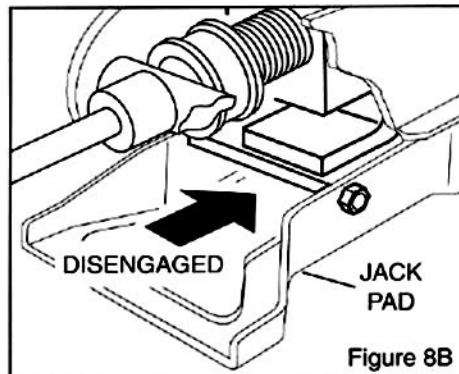
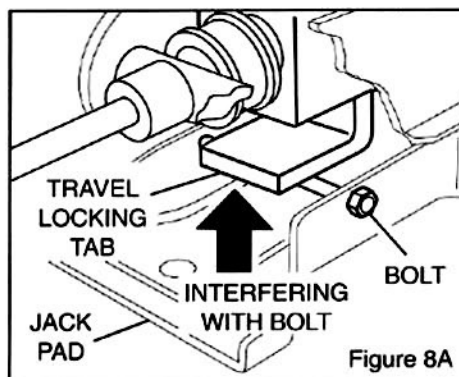


STEP 2. For each jack push crank handle downward until the drop and support legs swing up into traveling position. Using one hand to push down on the crank handle, use the other hand to insert the travel pull pin through the two holes in the main channel and two holes in the support leg. See figure 7. Make sure the detent wire is placed over the exposed end of the travel pin.



NOTE: If the holes in the main channel and the support leg do not line up, make sure the jack pad is level and/or the travel locking tab is not interfering with the support leg bolt. If the travel locking tab is interfering, turn the crank handle in a clockwise direction until the tab clears the bolt. See figures 8a, 8b and 8c.

STEP 3. For each jack turn the crank handle in a counter-clockwise direction until it stops and snugs up into the locking travel position. See figure 8c.



MAINTENANCE

1. Visually inspect all pins, shafts and channels for excessive wear or damage before each use. Replace and/or repair worn or damaged components immediately.
2. Remove road grime and dirt from main channel, drop leg and screw jack when necessary. After cleaning, coat assembly with a silicone spray or similar lubricant.
3. Grease screw and bearing assembly when necessary. Use extreme pressure grease.

CONTACT NORCO INDUSTRIES FOR FURTHER SERVICE INFORMATION.

NORCO INDUSTRIES, INC.
53236 CR 13, ELKHART, IN 46514
PHONE: (219) 262-3400, FAX: (219) 264-2366

BAL
RV PRODUCTS GROUP

CORPORATE HEADQUARTERS
365 W. Victoria St. • Compton, CA 90220 • (310) 639-4000



NORCO INDUSTRIES, INC. BAL is a registered brand name of Norco Industries, Inc.