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SQUARE TUBE JACK

ENGLISH, FRANCAIS (et Canada)

•Installation •Operation •Maintenance

Effective 11/21/07

SAFETY ALERT SYMBOLS

Safety Symbols alerting you to potential personal safety hazards.
 Obey all safety messages following these symbols.



WARNING

avoid possible
injury or death



CAUTION

avoid possible
injury and/or property damage

Installer: Provide these instructions to the consumer.

Consumer: Read and keep documents available for future reference.

Capacity Definition: The supporting, or support, capacity is the maximum vertical load that the jack can support.



WARNING

PERSONAL INJURY / PRODUCT DAMAGE

- Never exceed the rated capacity stamped on the jack.
- Jacks must be installed according to instructions provided to ensure safe operation.

INSTALLATION



CAUTION

HANDLE MAY INJURE OR DAMAGE PROPERTY

- BEFORE INSTALLATION, JACK HANDLE MUST CLEAR ALL OBSTRUCTIONS WHEN IN USE.
- Install jacks in accordance with provided instructions.



CAUTION

HAZARDOUS FUMES

- Adequate ventilation must be provided when welding.

WELDING INSTRUCTIONS

- **M.I.G. OR STICK** - 5/32" fillet weld minimum.
- **M.I.G. WELDING** - Use A.W.S. ER 70S-3 or 6 wire or equivalent with a diameter of .035 - .045. The recommended shielding gas mixture is 75% - 95% Argon & 25% - 5% CO₂.
- **STICK WELDING** - Use E6011 A.W.S. welding rod or equivalent. Recommended machine settings for specific electrodes with a diameter are as follows: 1/8" electrode set power between 115-130 Amps DC or 5/32" electrode set power between 140-160 Amps DC.

Jack Screws - 80408, 80410

Jack screws are jacks with no mounting plates or brackets.

1. Following **WELDING INSTRUCTIONS** weld housing (outer) tube of jack to trailer frame as shown FIG 1.
2. Weld attachment must be no more than 10" from bottom of housing tube as shown FIG 1 with a minimum of 4" vertical weld on each side. Weld all around the top, bottom and sides of frame as shown FIG 1, 5/32" fillet weld minimum continuously all around attachment.
3. Atwood Mobile Products Engineering Department (574-264-2131) must authorize all other mounting configurations of jack screws for each particular application.

Tubular Swivel Jacks - 80407, 80409

USE ONLY ATWOOD MOUNTING TUBES WITH ATWOOD TUBULAR SWIVEL JACKS.

Bracket Mounting:

1. Following **WELDING INSTRUCTIONS**, weld mounting tube securely to side of frame 3/16" fillet minimum. Orient with centerline of holes in tube bracket horizontally FIG 2.
2. Weld completely around mounting tube.

Jack Mounting:

1. Fit jack bracket over mounting tube (FIG 2-A).
2. Slide lock pin (FIG 2-B) through jack and mounting tube holes.
3. Lock in place with hairpin cotter (FIG 2-C) through end of lock pin.

To Disassemble:

1. Remove hairpin cotter and lock pin.
2. Lift jack from bracket, use caution when removing the jack.

OPERATION



WARNING

PERSONAL INJURY / PRODUCT DAMAGE

- Never exceed the rated capacity stamped on jack.
- Body and feet must be clear of trailer tongue when raising or lowering jack.
- **ALWAYS FULLY RETRACT AND/OR SWIVEL JACK TO HORIZONTAL POSITION BEFORE TOWING TRAILER.**
- **DO NOT** use blocks for additional ground clearance, trailer can tip and fall.
- Replace jack if worn, damaged or not operating freely.

TOP WIND JACKS: 80409, 80410

1. Pull handle up to horizontal position.
2. Turn handle clockwise to raise tongue, counter-clockwise to lower.
3. Push handle down along jack tube for storage.

SIDE WIND JACKS: 80407, 80408

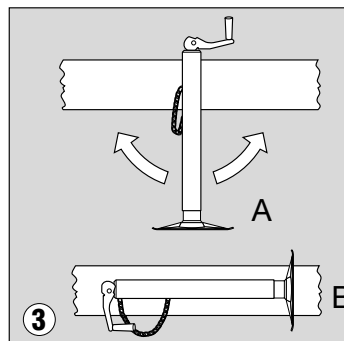
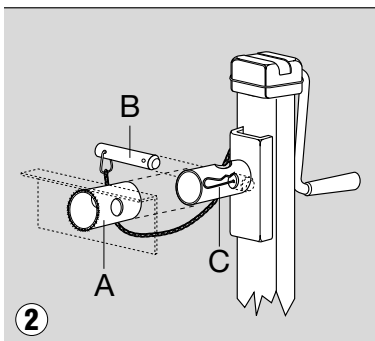
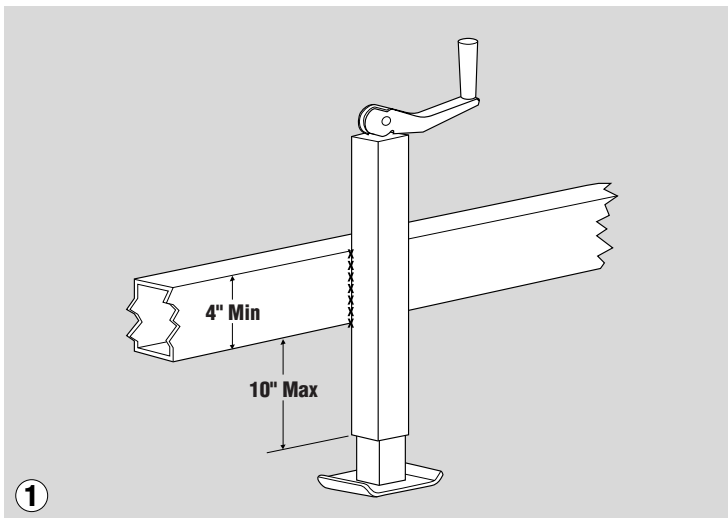
1. Turn handle clockwise to raise.
2. Turn handle counter-clockwise to lower.

TUBULAR SWIVEL JACKS: 80407, 80409

1. Remove hairpin cotter and lock pin FIG 2.
2. Swivel jack 90° FIG 3-A.
3. Replace lock pin and hair cotter FIG 2.
4. Put jack in horizontal position before towing FIG 3-B.
5. Replace lock pin and hair cotter FIG 2-B.

MAINTENANCE

1. Lubricate jack at least every six months in the following manner.
 - a. Extend jack as far as possible.
 - b. Lubricate entire length of outside inner ram with SAE 30 heavy oil.
 - c. Squirt oil in oil hole provided at top of outer housing.
 - d. Clean dirt, mud or tar from jack.
2. For side wind jacks, follow procedure in STEP 1. Then remove cap and lubricate gears with wheel bearing grease.
3. When lowering jack, always provide footing such as caster wheel or a jack foot beneath jack preventing dirt from entering center of ram.
4. Should jack become difficult to operate: remove, clean and oil. Inspect for bent or worn parts. Use only factory supplied parts for replacement. Replace all bent or worn parts.
5. If it is not possible to get jack to operate freely, replace jack.
6. Should problems or questions arise, contact your dealer, the trailer manufacturer or Atwood Service Department, 574-264-2131.



ATWOOD HARDWARE SYSTEMS & COMPONENTS LIMITED WARRANTY

Atwood Mobile Products warrants to the original owner this product will be free of defects in material and workmanship for a period of two years from the date of purchase. Atwood's liability hereunder is limited to the replacement of product, repair of product or replacement of product with a reconditioned product, at the discretion of the manufacturer. The warranty is void if the product has been damaged by accident, unreasonable use, neglect, tampering or other causes not arising from defects in material workmanship. The warranty extends to the original consumer purchaser of the product only, and is subject to the following conditions:

1. For two (2) years commencing with the date of purchase, Atwood will replace or repair any Hardware System and Components that are found to be defective by Atwood in material or workmanship.
2. In the event of a warranty claim, the original purchaser must contact the Atwood Consumer Service Department, 1120 North Main St., Elkhart, IN 46514, Telephone 574-264-2131. Warranty Claim Service must be performed as approved by the Atwood Consumer Service Department. Warranty replacement hardware systems and components or parts will be furnished freight prepaid, labor cost to repair or replace will be limited to the amount of the original purchase price of the systems and components. The replaced warranty products or parts become the property of Atwood Mobile Products and must be returned to the Atwood Consumer Service Department freight prepaid, unless prior arrangements have been made.
3. This limited warranty is valid only when the product is applied, installed, maintained and operated in accordance with this Atwood Installation, Maintenance and Operating Manual. Any deviation from these recommended specifications must be approved in writing by Atwood.
4. Any implied warranties are limited to the duration of this limited warranty as stated above. Atwood does not assume responsibility for consequential damage or loss, including loss of use of vehicle, loss of time, inconvenience, expense for gasoline, telephone, travel, lodging, loss or damage to personal properties, or loss of revenues. Some states do not allow limitations on how long an implied warranty lasts or limitations on consequential damages, so the above limitations may not apply to you. This limited warranty gives you specific legal rights which may vary from state to state.