**SAFETY ALERT SYMBOLS**

<table>
<thead>
<tr>
<th>WARNING</th>
<th>CAUTION</th>
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<tbody>
<tr>
<td>avoide possible injury or death</td>
<td>avoid possible injury and/or property damage</td>
</tr>
</tbody>
</table>

FOR YOUR SAFETY READ ALL INSTRUCTIONS BEFORE INSTALLATION AND OPERATION

**INSTALLATION**

1. Block tires of trailer and securely support trailer tongue.
2. The Atwood RV Power Jack is designed to attach to the top surface of an A-frame type tongue having mounting holes typical of the Atwood A-frame couplers. FIG 1. Use coupler installation instructions (MPD 87984) if installing coupler. The Marine Power Jack attaches to the side of a straight tongue trailer.
3. A lower support plate must be used for side support of the RV jack on the lower surface of the A-frame FIG 1.

**HOLE DIAMETERS:**

- **Light Weight - Atwood MPD 80263**
  - Standard / Short / Deluxe / Heavy Duty
  - Maximum frame height is 6 inches.

- **To Order Lower Support Plate:**
  - Using 1/8” fillet weld, No. E6011 AWS welding rod 1/8” diameter, machine amps (AC or DCRP) at 160-180 with 50 volts, weld plate full length on each side to underside of A-frame.

4. Place RV jack through holes in coupler and lower support plate, FIG 1-A. Attach with three (3) bolts (3/8” dia. x 5/8” long, grade 5, provided) FIG 1-B. NOTE: Torque bolts to 15 foot lbs. minimum /20 foot lbs. max.

**OPERATION**

1. To raise or lower jack, press switch marked “EXT” or “RET”.
2. Release switch when jack nears full retraction or full extension to prevent unnecessary wear on motor clutch.
3. **In case of electrical failure** - Raise or lower jack as follows:
   - **Standard & Lightweight Power Jacks**
     - a. Remove top cover by loosening the four screws.
     - b. Remove screws holding motor to mounting plate.
     - c. Lift motor off jack.
     - d. Turn hex drive nut with wrench or optional manual drive handle, part # 87891 (FIG 1-C).
     - e. To reinstall electric motor on jack, align holes, and place pin through holes. A cotter pin clip goes through the hole in the pin, preventing pin from coming out.
   - **Short, Deluxe, Heavy Duty or Marine power jacks**, check utility light by moving switch to “ON” or “OFF”.

5. Attach Marine Jack as shown.
6. Secure lead to jack housing and trailer frame using cable ties or equivalent.
7. Remove fuse from fuse holder. Connect the wire lead from the jack directly to the positive (+) terminal of the battery. Replace the fuse into the fuse holder.
8. After reinstalling fuse, check installation by pressing switch marked “EXT” for jack extension or “RET” to retract the jack.
9. On the Short, Deluxe, Heavy Duty or Marine power jacks, check utility light by moving switch to “ON” or “OFF”.
10. Place foot pad, or caster for Marine power jack, over the end of jack, align holes, and place pin through holes. A cotter pin clip goes through the hole in the pin, preventing pin from coming out.

**HAND OR FINGER INJURY**

- Hold foot pad near the bottom of the tube, when installing foot pad or caster.

- Avoid placing fingers between tubes and components during operation.

**FOR YOUR SAFETY READ ALL INSTRUCTIONS BEFORE INSTALLATION AND OPERATION**
HEAVY DUTY POWER JACKS
Place manual override handle (FIG 1-C) into alignment tube and engage drive pin. Rotate handle counterclockwise to raise or clockwise to lower the camper.

MAINTENANCE
1. Before each use, inspect jack tubes and replace if bent or damaged.
2. If wiring is connected to battery terminal, inspect at least twice each year for corrosion. Clean with a solution of baking soda and water, then apply a thin coat of grease. NOTE: The motor ground screw (FIG 1-D) and mounting bolts (FIG 1-B) must be cleaned too if a ground continuity problem occurs.
3. Once each year, extend jack as far as possible and clean inner ram tube. Coat tube with light coat of silicone spray lubricant. The Electric Drive Motor Landing Leg system is protected by a 30 amp fuse. If replacement is necessary, replace only with a Buss Type AGC-30 fuse or equivalent, available in automotive supply stores.

Power Jack
TROUBLE SHOOTING GUIDE

Guides are only intended for use on Atwood® products by service technicians who have successfully completed Atwood® training. This guide should be used in conjunction with the appropriate Instruction Manual provided with the product and any applicable Industry Standards. This is not intended to be a complete list.

WARNING
PERSONAL INJURY AND/OR PRODUCT DAMAGE
• If any of the following conditions develop, the trailer must not be used until proper corrective action is taken.

CONDITION WITH SOLUTIONS

MOTOR WILL NOT OPERATE
No or low voltage ............................................Check battery & electrical connections.
Jack flange not making good ..............Clean paint or dirt from coupler frame contact to provide adequate ground with coupler surface
Blown fuse ...................................................Replace with 30 amp AWG fuse
Loose wires on ON/OFF switch ...........Secure wire connections
ON/OFF switch faulty .......................Replace switch
Motor faulty .................................................Replace motor

POOR GROUND
WHEN BUTTON IS PRESSED ON JACK -
Jack doesn’t operate .........................Inspect motor mounting bolt for Loctite®.
Jack operates only partially up or down, or
Jack runs intermittently

MOTOR CLUTCH ENGAGES
Normal if jack leg is at fully retracted or extended position .............................................None, but let go of switch when you hear the clutch
Worn worm gear ..............................Replace jack ram
Dirty inner ram tube .......................Clean ram tube and coat with light coat of silicone spray
Bent inner ram .................................Replace inner ram
Clutch faulty ......................................Replace motor
Jack at angle .................................Secure mounting bolts and ensure a support plate is used.
Excessive tongue weights .............Determine if jack is adequate for tongue weight.

UTILITY LIGHT DOES NOT WORK
Loose wires on the ON/OFF switch ........Secure wire connection
Bad light bulb ..................................Replace bulb

AMP DRAW
Range of motor ..............................8-45 amps

IMPORTANT CAUTION - If equalizer bars are attached to the tow vehicle and the trailer while operating the power tongue jack, you may experience the motor clutching the moment the jack sees load. This will occur because you are lifting both the tongue of the trailer and the rear of the tow vehicle. The 1500 lb. and 2500 lb. acme screw jacks cannot lift this excessive weight. To overcome this excessive weight, you should upgrade to the 3500 lb. power jack. The ball screw mechanism utilized in this jack should allow you to lift this load.
# REPLACEMENT SERVICE PARTS / PIÈCES DÉTACHÉES

<table>
<thead>
<tr>
<th>ITEM</th>
<th>LIGHT WT</th>
<th>STANDARD</th>
<th>SHORT Normal</th>
<th>DELUXE DE LUXE</th>
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*912 type T5 12 candle power  *912 type T5 12 candelas  
*Buss Type AGC-30 amp fuse  *Buss type AGC-30 à fusible  

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## Standard & Lightweight Power Jack

1. Upper Cover  
2. Cover Screw  
3. Motor Ground Screw / Vis  
4. Lock Washer  
5. Cover Tube  
6. Bevel Gear Kit  
7. Gear Housing Cover  
8. Drive Pin  
9. Washer Support  
10. Drive Shaft  
11. Lower Cover  
12. Wire & Light Bulb*  
13. Lens / Lentille  
14. Hole Plug  
15. Washer Support  
16. Ground Wire  
17. Jumper Wire & Fuse  
18. Light Switch  
19. Motor Switch  
20. Motor Switch  
21. Jumper Wire & Fuse  
22. Motor Switch  
23. Washer Support  
24. Mounting Bolt / Bolten  
25. Cotter Pin  
26. Round Foot Pad  
27. Clevis Pin  
28. Hex Drive Nut  
29. Clear Pin  
30. Cotter Pin  
31. Hex Drive Nut  
32. Caster / Roue pivotante

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## Short, Deluxe, Heavy Duty & Marine Power Jack

1. Upper Cover  
2. Cover Screw  
3. Motor Ground Screw / Vis  
4. Lock Washer  
5. Cover Tube  
6. Bevel Gear Kit  
7. Gear Housing Cover  
8. Drive Pin  
9. Washer Support  
10. Drive Shaft  
11. Lower Cover  
12. Wire & Light Bulb*  
13. Lens / Lentille  
14. Hole Plug  
15. Washer Support  
16. Ground Wire  
17. Jumper Wire & Fuse  
18. Light Switch  
19. Motor Switch  
20. Motor Switch  
21. Jumper Wire & Fuse  
22. Motor Switch  
23. Washer Support  
24. Mounting Bolt / Bolten  
25. Cotter Pin  
26. Round Foot Pad  
27. Clevis Pin  
28. Hex Drive Nut  
29. Clear Pin  
30. Cotter Pin  
31. Hex Drive Nut  
32. Caster / Roue pivotante

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## DISCONTINUED

- Buss Type AGC-30 amp fuse
- 912 type T5 12 candle power
- Buss Type AGC-30 à fusible

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## Marine Power Jack

1. Upper Cover  
2. Cover Screw  
3. Motor Ground Screw / Vis  
4. Lock Washer  
5. Cover Tube  
6. Bevel Gear Kit  
7. Gear Housing Cover  
8. Drive Pin  
9. Washer Support  
10. Drive Shaft  
11. Lower Cover  
12. Wire & Light Bulb*  
13. Lens / Lentille  
14. Hole Plug  
15. Washer Support  
16. Ground Wire  
17. Jumper Wire & Fuse  
18. Light Switch  
19. Motor Switch  
20. Motor Switch  
21. Jumper Wire & Fuse  
22. Motor Switch  
23. Washer Support  
24. Mounting Bolt / Bolten  
25. Cotter Pin  
26. Round Foot Pad  
27. Clevis Pin  
28. Hex Drive Nut  
29. Clear Pin  
30. Cotter Pin  
31. Hex Drive Nut  
32. Caster / Roue pivotante

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This document has been modified from the original Atwood 11/21/07 release. All former references to the Atwood warranty and contact information were removed.

For all concerns or questions, please contact Lippert Components, Inc.
Ph: (574) 537-8900 | Web: lci1.com | Email: customerservice@lci1.com