



# Bulldog Powered A-Frame Jack

## Read, Understand, Follow and Save These Instructions

Read, understand and follow all of these instructions and warnings (Instructions) before installing and using this product. Install and use this product only as specified in these instructions. Improper installation or use of this product may result in property damage, serious injury, and/or death. Never allow installation or use of this product by anyone without providing them with these instructions. You must read, understand and follow all instructions and warnings for any product(s) to which this product is used in conjunction with or installed. Save these instructions with the product for use as a reference for any future installation and use of the product.

### **WARNING** Failure to follow all warnings and instructions may result in product failure, property damage, serious bodily injury, and/or death.

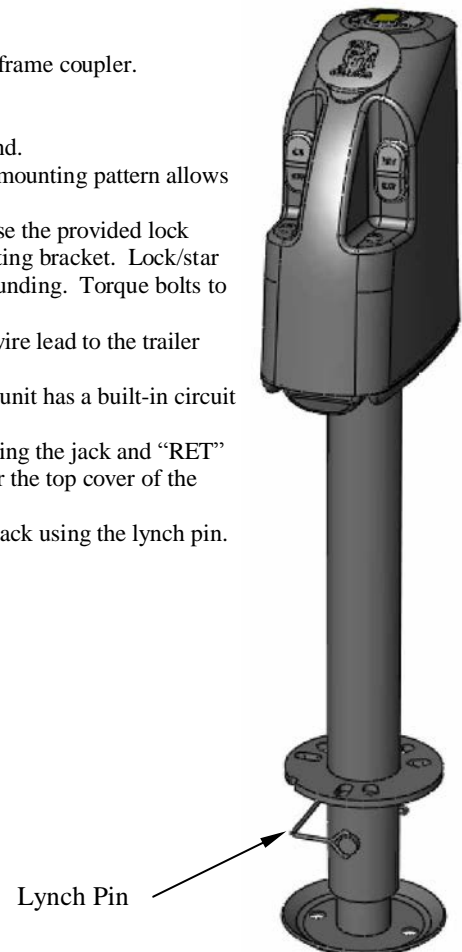
- This product must be installed and used in strict accordance with these instructions. Purchaser/owner must not alter or modify the product.
- Operator and bystanders should never position any part of body under or on the path of any portion of this product or the load being supported, or moved.
- Do not allow children to play on or around this product or the load being supported, or moved.
- Never exceed the maximum rated capacity. Refer to stamped markings or decals to obtain rated capacity.
- Periodically check mounting hardware for proper torque and tighten if necessary.
- Always replace bent, broken, or worn parts before using this product.
- To avoid accidental shock and/or damage to the electrical system, disconnect the battery ground cable before installation.
- When using the drop foot or drop leg, make certain the supplied pin is fully inserted through both sides of the inner tube and the drop tube before using the jack.
- Secure the load, vehicle and trailer from rolling (by blocking wheels) when operating jack or coupling trailer.
- These jacks are designed for vertical loading. Excessive side forces may cause jack failure and must be avoided.
- If this product has a drop foot or drop leg, never attempt to adjust the drop foot or drop leg when there is any load on the jack.

## Installation Instructions

**Warning: Failure to follow all warnings and instructions may result in product failure.**

### Instructions for Field Installation:

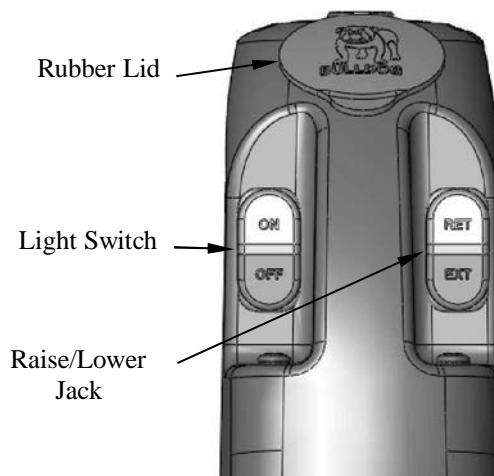
1. Block the tires of the trailer and support trailer tongue.
2. The Bulldog Powered A-Frame Jack has been designed to attach to the top surface of the A-frame coupler.
3. Disconnect the trailer battery ground trailer.
4. Detach the drop leg of the jack by removing the lynch pin and sliding it out.
5. Position the drop leg inline with the mounting hole with the foot of the drop leg on the ground.
6. Place the jack outer tube through the A-frame coupler hole and over the drop leg. The dual mounting pattern allows positioning of the jack either facing the tow vehicle or for curb-side operation.
7. Attach the jack using three (3) 3/8" diameter, 1" long, grade 5 bolts and nuts (provided). Use the provided lock washers with star washers, placing them between the bolt head and the top of the jack mounting bracket. Lock/star washers are used to insure a metal-to-metal contact between jack and coupler for proper grounding. Torque bolts to 15-20 ft-lbs.
8. Route the black wire lead from the plastic cover along the trailer to the battery. Attach the wire lead to the trailer using cable ties or equivalent.
9. Connect the wire lead from the jack directly to the positive (+) terminal of the battery. This unit has a built-in circuit breaker which automatically trips and resets. Reconnect the battery ground cable.
10. Check for proper installation, by pressing the motor switch that is marked "EXT" for extending the jack and "RET" for retracting the jack. Also check that the light switch turns on the LED light situated under the top cover of the jack.
11. After checking for proper operation, be sure to reattach the drop leg to the inner tube of the jack using the lynch pin.
12. Retract the jack completely.



## Operation

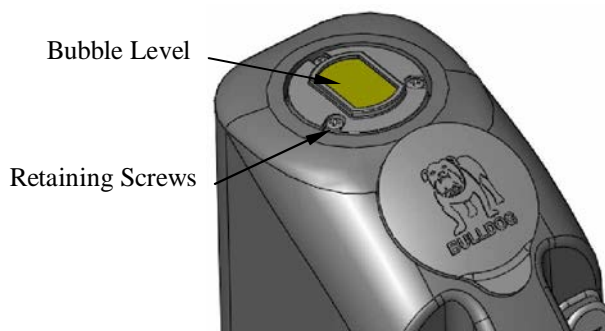
### To use Jack:

1. Chock wheels of trailer.
2. To raise the trailer off the ball, open the coupler and push the "EXT" labeled bottom portion of the motor switch. This will extend the jack. The drop leg may also be used to quickly extend the jack. Make sure to reattach the lynch pin after adjusting the drop leg to the desired level.
3. To lower the trailer on to the ball, push the "RET" labeled top portion of the motor switch. This will retract the jack. After the coupler has fully engaged the ball, continue retracting the jack fully. Be sure to close the coupler. After full retract, you may need to raise the drop leg also. Make sure to reattach the lynch pin after adjusting the drop leg to the desired level.
4. To turn on the LED light, use the light switch labeled "ON" and "OFF".
5. If for any reason electric power is lost, remove the Bulldog labeled rubber lid on top of the plastic cover. Inside the cover is a manual crank bolt. Use a ratchet with an extension and a 3/4" socket (not included) to attach to the bolt for manual cranking.



### Bubble Level Set-Up: NOTE: The bubble level only needs to be adjusted on the initial set-up!

1. Ensure the RV wheels are properly chocked to ensure the vehicle will not roll.
2. Remove the three (3) bubble level retaining ring screws as shown in the figure.
3. Place the bubble level on a table or other known flat surface inside the RV.
4. Lower the RV's leveling jacks and the Bulldog® Powered A-Frame jack to properly support and level the camper using the bubble level as a guide.
5. Once leveled, return the bubble level to the Bulldog® Powered A-Frame Jack and adjust the three retaining screws so that the bubble is centered.
6. From now on, you can level your RV in minutes by watching the bubble mounted on your Bulldog® Powered A-Frame Jack. No further adjustments are necessary!



## Maintenance

The Powered A-frame jack motor is sealed and maintenance-free. It is important to maintain the electrical system including the battery and charger (not included). Ensure all connections are tight and free of corrosion and that the jack is properly grounded with the coupler (metal-to-metal contact). Make sure the battery is fully charged prior to use. If necessary, wash with mild soap and water and rinse thoroughly. Do not direct a high pressure spray at the Powered A-Frame Jack.