



Tandem 2-Speed Landing Gear

Read, Understand, Follow and Save These Instructions

- Read, understand and follow all instructions before installing and using this product. Never allow anyone unfamiliar with the operating instructions to use this product.
- Read, understand and follow all instructions provided by the manufacturer of the product(s) that this product will be installed on.
- Installation of this product must conform to the following mounting instructions only.
- Save these instructions for use as a reference in the future.
- Landing gears are designed to meet T.T.M.A. recommended practice RP-4 and A.A.R.-931 requirements.

WARNING

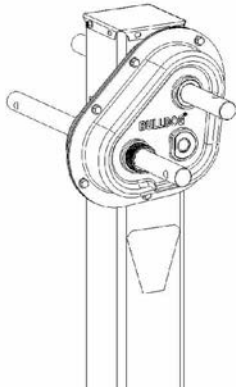
Failure to follow these warnings and instructions may result in property damage, serious bodily injury, and/or death.

- Purchaser/owner must ensure that product is installed according to these instructions. Purchaser/owner must not alter or modify product.
- Operator and bystanders should never position any part of body under any portion of this product or the load being supported.
- Fully retract jack(s) before towing.
- If equipped with a drop leg, make certain the drop leg pin is fully inserted before using the jack.
- Do not allow children to play on or around this product or the load being supported.
- Secure the load, vehicle and trailer from rolling (by blocking wheels) when operating jack or coupling trailer.
- Never exceed maximum rated capacity. Refer to stamped markings or decals on product to obtain rated capacity.
- These jacks are designed for vertical loading. Excessive side forces may cause jack failure and must be avoided.
- The installer must provide the adequate bracing and gusseting.
- Do not over extend or over retract landing gears.
- Never drop trailer on landing gear. Always extend landing gear until the feet contact ground.
- If this product has a drop leg, never attempt to adjust the drop leg when the jack is under load.
- These jacks are designed for mounting to flat surfaces only.
- Keep clear of pinch point at drop leg pin. The drop leg will naturally drop or retract very quickly depending on model.
- Keep clear of holes in drop leg.
- All welding must be performed by an AWS certified welder.
- Always replace bent, broken, or worn parts before using this product.

Installation Instructions

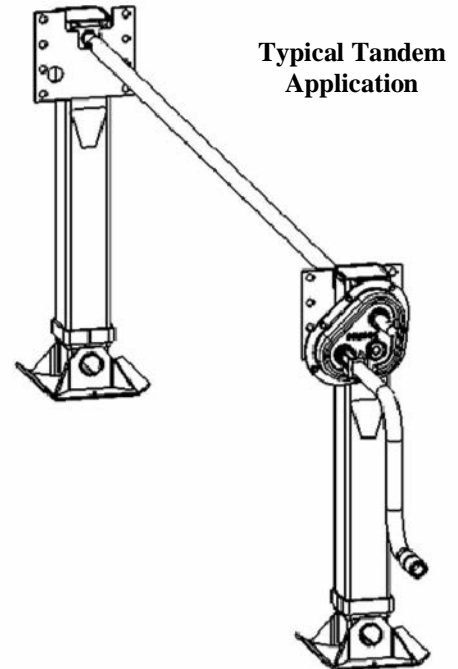
Warning: Failure to follow all installation instructions could result in landing gear failure

Before mounting the jack confirm that there will be no interference from the tow vehicle, tongue, ground, and any other mounted accessories while stationary or in motion. Before installing, check for interference in all positions including handle swing (in both gears, if applicable). Check for interference again after installation is complete.

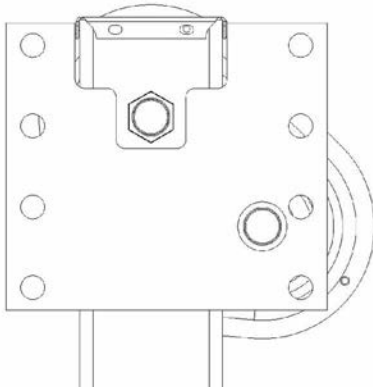


Direct Mount to Load-Bearing Member:

- 1) All welding must be performed by an AWS certified welder.
- 2) Three 2" long 1/4" fillet welds must be placed on both sides of the jack along the contacting surface. The welds should be as far apart as possible to maximize strength under load.
- 3) If mounting in a tandem application, align the jacks carefully so they raise and lower together and share the load equally.



Typical Tandem Application



Bolt-On:

If equipped with Bolt-On mounting bracket, bracket must be attached with eight (8) 5/8"-11 grade 5 fasteners. (not included.)

Torque to 150 ft.-lbs.

2-Speed Shift Pattern:

The jack handle moves 5/8"-3/4" while shifting. This clearance must be accounted for during installation.

- High gear is engaged when the shaft is pushed in.
- Low gear is engaged when the shaft is pulled out.

Drop Leg Operation

Spring Return Drop Leg Operation:

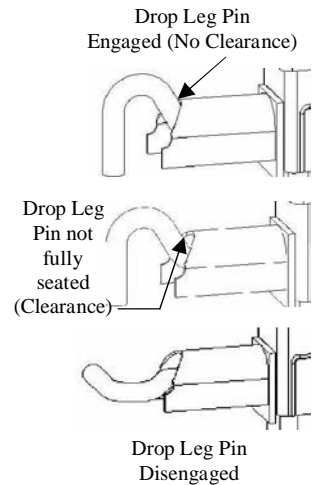
WARNING: Drop leg will naturally retract very quickly.

- 1) Verify that the jack is not supporting any load.
- 2) If extended, place your foot on foot plate to control the return of the drop leg.
- 3) Disengage drop leg pin by rotating to the disengaged position.
- 4) Carefully move the drop leg to the desired position using your foot.
- 5) Engage the drop leg pin by rotating it to the engaged position and into the desired adjustment hole.
- 6) Verify that the drop leg pin is fully inserted into the jack by checking for no clearance between the drop leg pin and housing. If you see clearance, you must adjust the drop leg to fully seat the pin into the hole location. You may need to lubricate the drop leg pin assembly as described in the maintenance section. If you are unable to fully seat the pin DO NOT USE.

Non-Spring Return Drop Leg Operation:

WARNING: Drop leg will naturally fall.

- 1) Verify that the jack is not supporting any load.
- 2) If Retracted, grasp the handle of foot plate to control the fall of the drop leg.
- 3) Disengage drop leg pin by rotating to the disengaged position.
- 4) Carefully move the drop leg to the desired position.
- 5) Engage drop leg pin by rotating to the engaged position and into the desired adjustment hole.
- 6) Verify that the drop leg pin is fully inserted into the jack by checking for no clearance between the drop leg pin and housing. If you see clearance, you must adjust the drop leg to fully seat the pin into the hole location. You may need to lubricate the drop leg pin assembly as described in the maintenance section. If you are unable to fully seat the pin DO NOT USE.



Maintenance

The following procedures should be performed at least annually:

The gears, bushings, and screw of the jack must be kept lubricated. For side-wind models, apply a small amount of automotive grease with a grease gun at the lubrication points found on the side of the jack near the input shaft. Rotate the jack handle to distribute the grease evenly. A lightweight oil must be applied to the input shaft bushings at both sides of the jack or gearbox. If equipped, the drop leg pin and spring must be kept clean and lubricated with a lightweight oil.

