

FLIP™ AUTOMATIC JACK FOOT
OEM INSTALLATION MANUAL

LIPPERT
COMPONENTS®

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System Information

The Flip™ Automatic Jack Foot attaches to a manual or power tongue jack and automatically flips down when the jack is extended, adding four to six inches and a sturdy jack platform. When the tongue jack is retracted, the patent-pending Flip Automatic Jack Foot automatically folds up and stores for safe travel. The Flip Automatic Jack Foot is a sophisticated design which requires no pull pins or loose parts and saves manual jack users up to 50 cranks when extending or retracting. A perfect complement to any manual or power tongue jack, the Flip Automatic Jack Foot is completely automatic, saving you time during set up so you can kick back and enjoy the destination.

- Automatically flips down when tongue jack is extended
- Automatically flips up for easy storage when retracted
- Always attached and self-stored during travel
- Wide platform provides more ground contact for extra stability
- 1,400-pound free weight capacity

Safety Information

⚠ WARNING

Before installation, make sure that the trailer is parked on level ground both side-to-side and front-to-back. Additionally, do not support the trailer with the jack foot placed on unlevel ground. The jack foot base plate must be in complete contact with the ground. Failure to properly level the trailer before installation may result in death or serious injury.

⚠ WARNING

Never exceed the 1,400 lb tongue weight rating. Exceeding the tongue weight rating could result in death or serious injury.

⚠ CAUTION

Moving parts can pinch, crush or cut. Keep clear and use caution.

NOTE: Install tongue jack in accordance with manufacturer's specifications. If the tongue jack is already installed, remove the footpad from the tongue jack according to manufacturer's instructions.

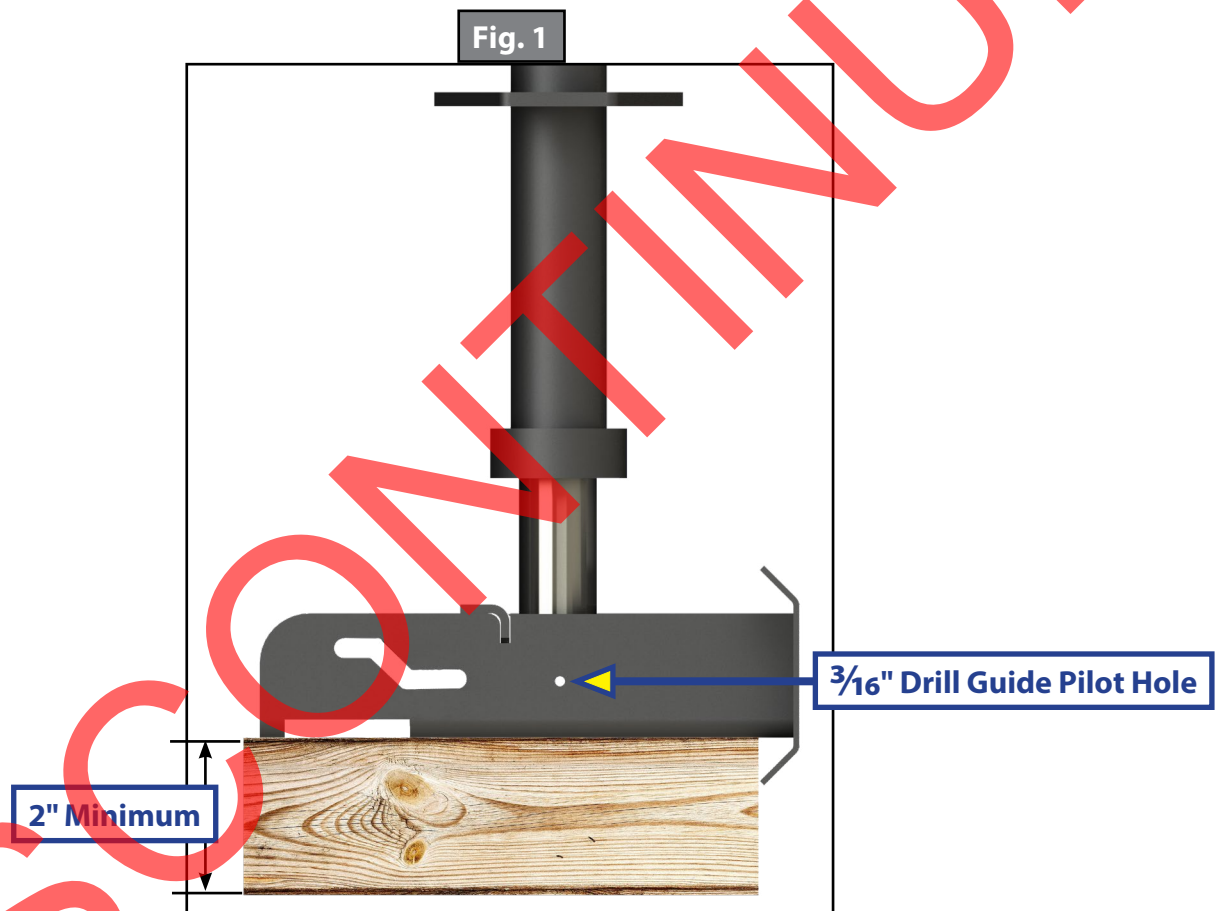
Resources Required

- Cordless or Electric Drill or Screw Gun
- Appropriate Drive Bit
- Tape Measure
- 9/16" Wrench
- Wood Block - at least 2" thick.

Prior to Installation

Ensure that there is a mounting hole in the inner tongue jack leg, with the hole oriented roadside to curbside. This mounting hole should be approximately $\frac{15}{16}$ " to 1" from the bottom of the inner tongue jack leg. If there is not a hole in this particular orientation, a new hole will need to be drilled into the inner leg of the tongue jack to install the Flip Automatic Jack Foot.

1. Support the trailer according to manufacturer's specifications.
2. Retract the tongue jack far enough to fit a wood block (at least 2" thick) and the Flip Automatic Jack Foot under the inner jack tube.
3. Place the wood block on the ground and place the jack foot on top, face down with the base plate toward the back of the trailer.
4. Slowly extend the jack inner tube into the Flip Automatic Jack Foot until it rests on the Flip Automatic Jack Foot and wood block (Fig. 1). The locating plate should be pushed up tightly against the front wall of the inner jack tube.



5. The drill guide holes should be perpendicular to the centerline of the trailer and inner jack tube. The holes should be $\frac{15}{16}$ " to 1" from the bottom of the tube and centered on the tube.
6. Extend the jack until the weight resting on the Flip Automatic Jack Foot holds it securely in place so that it will not move while the guide holes are being drilled.
7. Use the $\frac{3}{16}$ " bit and drill a pilot hole on each side of the jack inner tube using the drill guide pilot holes on both sides of the jack foot as guides.
8. Retract the jack and remove the Flip Automatic Jack Foot and the wood block.
9. Use a $\frac{1}{2}$ " drill bit to enlarge the $\frac{3}{16}$ " pilot hole.
10. Once the inner tube wall has been penetrated, ream out the hole slightly to de-burr it and open it up.
11. Switch sides. Drill and ream the second hole. Pass the drill bit all the way through the inner jack tube to make sure there is a clean path for the bolt all the way through the tube.

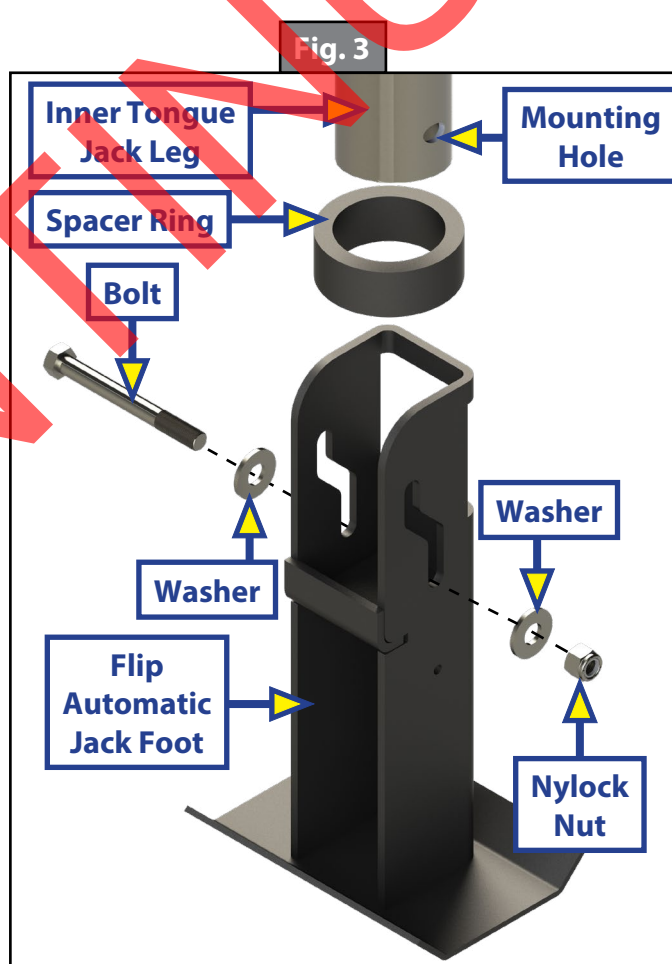
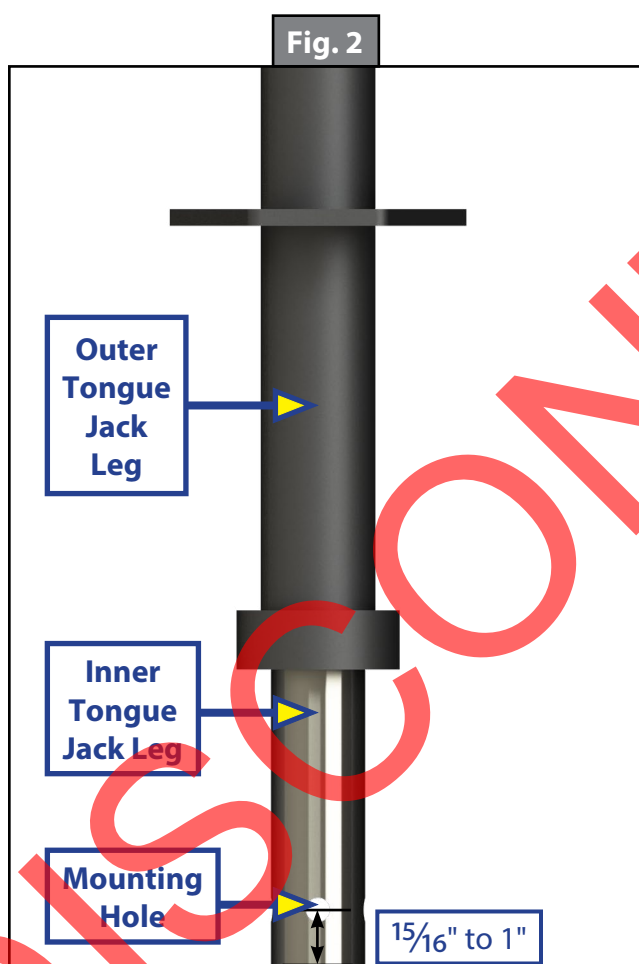
12. The hole to install the Flip Automatic Jack Foot should now be located roadside to curbside on the inner jack tube and $15/16"$ to 1' up from the bottom of the inner jack tube (Fig. 2).

Installation

NOTE: When installing the Flip Automatic Jack Foot, ensure the flip function of the foot will cause the foot to point towards the roadside of the trailer when retracted.

1. Slide the spacer ring onto the jack (Fig. 3). Dry fit the Flip Automatic Jack Foot (Fig. 3) onto the jack. The mounting hole (Fig. 2) in the inner tongue jack leg should be visible through the mounting slot on the foot.
2. Install one $3/8"$ washer and a $3/8"$ -16 X 3 $1/2"$ bolt through the mounting slot and the mounting hole located on the inner tongue jack leg. Install the second $3/8"$ washer and a $3/8"$ -16 nylock nut and finger tighten (Fig. 3).
3. Tighten the nylock nut so that the washer begins to have compression on the Flip Automatic Jack Foot.

NOTE: Do not over tighten the nylock nut. This will keep the foot from flipping around the bolt properly. If overtightened, loosen the nut until the flip function of the foot is achieved.



Maintenance

If the trailer is stored for an extended period of time, the flip function of the Flip Automatic Jack Foot should be verified before full deployment. Before operation, check to make sure that the nut has not come off the bolt, and that the tightness of the bolt has not changed over time. It is recommended that prior to long periods of storage, the Flip Automatic Jack Foot bracket, the bolt, and inner tongue jack leg all be lubricated to prevent rusting.

DISCONTINUED



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