

FLIP™

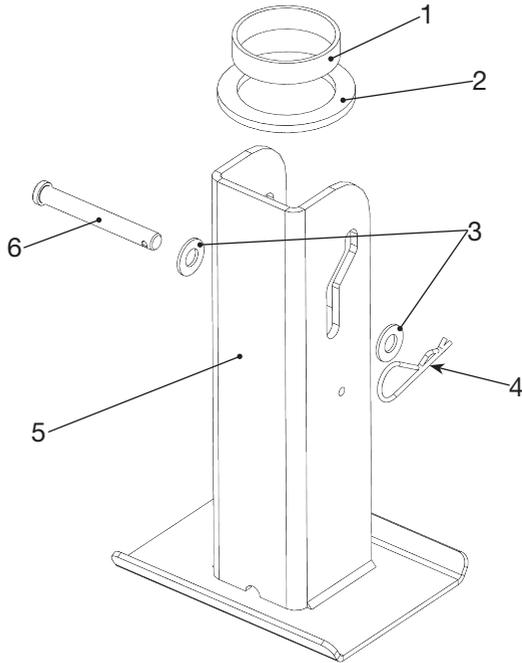
AUTOMATIC
JACK FOOT

INSTALLATION AND OPERATION INSTRUCTIONS

FASTWAY
TRAILER PRODUCTS®

PARTS BREAKDOWN

For models:
88-00-4500 (4")
88-00-6500 (6")



ID #	Part #	Description	Qty.
1	88-01-6315	2" Spacer ring	1
2	88-01-6200	2" Stop washer	1
3	88-02-5117	3/8" flat washer zinc	2
4	88-02-5133	3/8" clevis clip zinc (R-clip)	1
5	88-01-4507	4" FLIP automatic jack foot	1
	88-01-6600	6" FLIP automatic jack foot	
6	88-02-5125	3/8" x 2-3/4" clevis pin zinc	1

Maximum lift capacity: 4,000 lb with both sides of trailer chocked and parked on a grade less than 5% or 3°.

WARNING

- Read entire instruction manual before using this product. Failure to do so can result in serious injury or property damage.
- Never exceed maximum 4,000 lb. lift capacity.
- Do not use the FLIP foot to support a trailer parked on grades steeper than 5% (~3°).
- Both driver and passenger sides of the trailer must be securely chocked when using the FLIP jack foot.
- Do not support trailer with jack foot placed on sloped ground or debris. Jack foot base plate must be in complete contact with ground.
- Support tongue weight with jack foot in the vertical position and only with the jack resting on the support plate.
- Replace worn or faded safety label immediately.
- Do not install 2-1/4" model on a 2" jack.
- Install only on jack with properly positioned mounting hole.

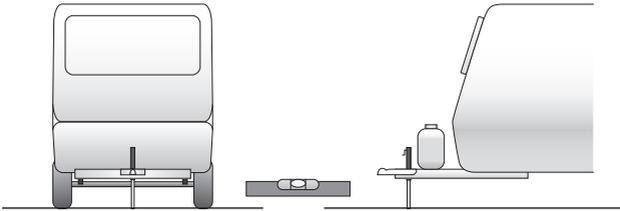
CAUTION

- Always use adequate personal protective equipment when installing including safety glasses.
- Avoid pinch points between jack extension, spacer ring, jack, and trailer frame when retracting jack.

INSTALLATION INSTRUCTIONS

STEP 1

Park the trailer on a flat level surface, such as a driveway or parking lot. Chock both sides of the trailer, and set the tow vehicle parking brake. Keep the trailer coupled to the tow vehicle, or place jack stands under the trailer tongue to support the trailer without using the tongue jack. Disconnect the trailer plug, safety chains, and safety breakaway cable from the tow vehicle and move them out of the way.



Install FLIP jack foot with trailer parked on level ground both side-to-side and front-to-back.

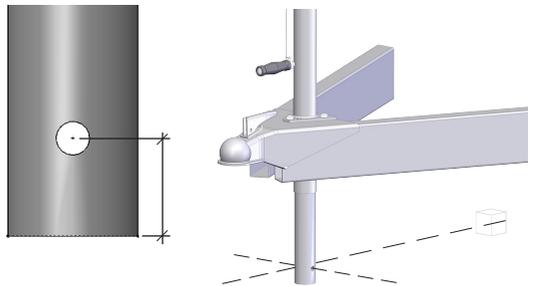


Never exceed maximum 4,000 lb lift capacity.

Do not install the 2-1/4" model on a 2" jack (1-3/4" inside tube).

STEP 2

Extend the jack slightly. Inspect the jack foot attachment hole at the bottom of the inner tube of the jack. If it is drilled perpendicular to the trailer, and between 1/2" and 1-1/4" from the bottom of the tube, no jack modifications are required to install your FLIP jack foot.



Hole at right angle to trailer and 1/2" to 1-1/4" from bottom of tube needs no modification.

If the hole is NOT oriented correctly, is too low or too high, or if you are installing your FLIP foot on a square jack, go first to STEP 3 to prepare the jack, then continue with the installation of the FLIP jack foot.

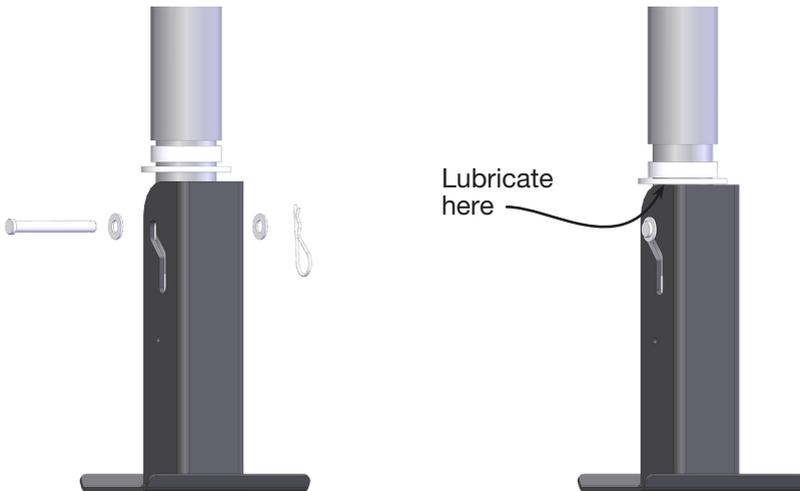
Slide the spacer ring up onto the jack tube, followed by the stop washer. The rings should slide freely up and down the tube. If the tube is bent or damaged so as to not allow this, cut the damaged end off of the jack, and follow STEP 3 to drill a new mounting hole in the jack, or replace the jack.

NOTE: the spacer ring and stop washer are NOT needed when using a square jack.

Hold the rings up above the FLIP foot, and slide the foot around the jack tube so that the mounting holes and slots are aligned, with the Flip label facing forward, toward the tow vehicle.

Slide a 3/8" washer over the mounting pin. Insert the pin through the foot and jack. Slide the second 3/8" washer over the pin, and push the R-clip through the pin to secure the foot in place.

Apply a small amount of lubricant to the top surface of the FLIP foot. Wipe away any excess.

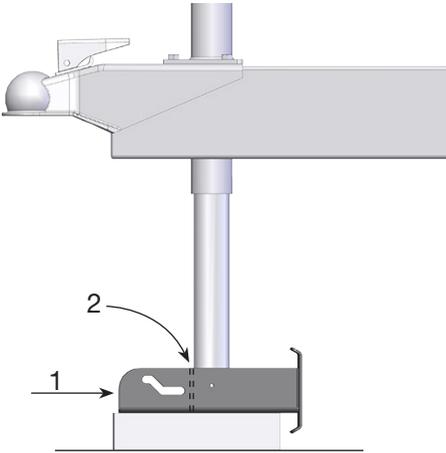


Test the FLIP foot operation by retracting the jack. Make sure the FLIP foot rotates the full 90° to a right angle and is held tightly in place (see STEP 6). If the jack reaches the end of travel before the foot pivots fully and is held securely in place, you may need to add an extra stop washer(s) to make up that distance, or drill a new mounting hole following the instructions in STEP 3.

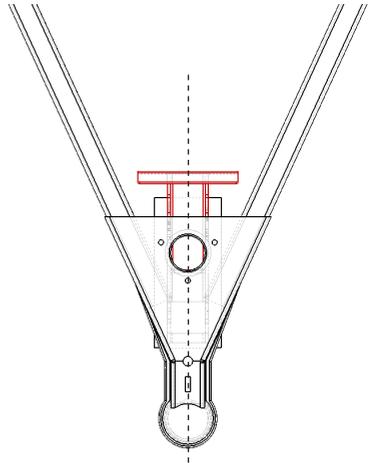
STEP 3

If your jack did not come with a mounting hole pre-drilled, or the hole does not meet the requirements explained in STEP 2, you need to drill a mounting hole in the bottom of your jack.

Retract the tongue jack far enough that you can fit a wood block and Fastway FLIP jack foot under the inner jack tube. 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.



Push the FLIP backward (1) so that the inner jack tube is tight to the support plate (2).



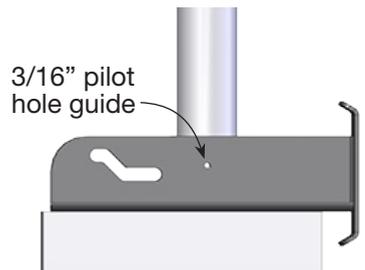
Make sure the FLIP is placed parallel to the trailer before drilling the guide holes.

With the support plate of the FLIP pushed tightly against the jack tube, slowly extend the jack into the back of the FLIP until it rests firmly on the jack foot and block.

The drill guide holes should be perpendicular to the centerline of the trailer and jack tube. They should be 1-1/4" from the bottom of the tube, and centered on the tube.

Extend the jack until the weight resting on the FLIP jack foot holds it securely in place so that it will not move while the guide holes are being drilled.

Use a 3/16" bit and drill a pilot hole on each side of the jack tube using the pilot guide holes on the sides of the jack foot.



Retract the jack to a comfortable drilling height, and remove the FLIP jack foot and the wood block.

Use a 3/8" drill bit to enlarge each pilot hole. Once the tube wall has been penetrated, ream out the hole slightly to de-burr it and open it up. Pass the drill bit all the way through the inner jack tube to make sure there is a clean path for the pin all the way through the tube. If drilling the holes leaves a burr or lip, use a file or grinder to smooth the edge so the FLIP will pivot smoothly.

SQUARE JACK INSTALLATION

If you are installing the FLIP jack foot on a square, 2-1/4" jack with a 2" inner tube, you cannot use the guide holes pre-drilled in the FLIP to locate the pilot holes as you can with a round jack. The pilot hole must be drilled free hand, or by removing the jack from the trailer and using a drill press.

Looking at the driver's side face of the jack, measure up from the bottom of the inner jack tube 1" and scratch or draw a mark.

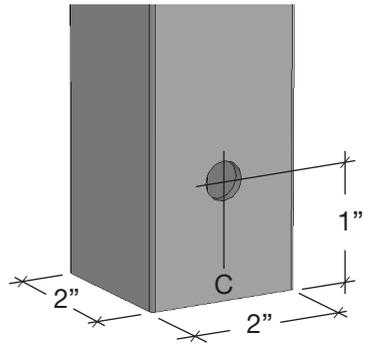
Measure half the distance between the front and back faces of the tube and scratch or draw a line that crosses the first. This should be at 1" from both the front and back on a 2" inner jack tube. Repeat this process for the passenger side.

Use a center punch to make a mark at these locations on both sides of the jack.

Drill two 3/16" pilot holes on both sides using these punch marks as a guide to start the hole.

Use a 3/8" bit to enlarge both pilot holes. Pass the drill bit completely through the jack to make sure the installation pin will fit smoothly.

Return to STEP 2 to continue the FLIP installation.



INSTRUCTIONS FOR USE



Do not use the FLIP foot to support a trailer parked on grades steeper than 5% (~3°).

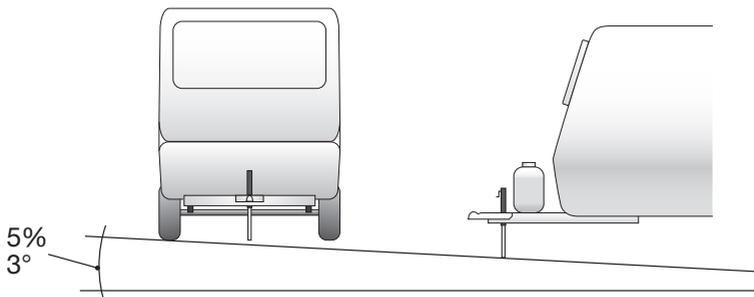
Both driver and passenger sides of the trailer must be securely chocked when using the FLIP jack foot.

Do not support trailer with jack foot resting on sloped ground or debris .

Jack foot base plate must be in complete contact with ground.

STEP 4

When uncoupling your trailer, make sure that the trailer is parked on fairly level ground. Pay special attention to the site when dry camping to make sure the slope is not more than a 5% grade (3°), either side-to-side or front-to-back.



Do not use FLIP with trailer parked on a slope steeper than a 5% grade, or 3 degrees.

Also make sure that the spot where the jack foot will rest is as level as possible, and free from debris like sticks or stones that might keep the jack foot from being completely supported.

Chock the wheels on both sides of the trailer securely. Disconnect trailer plug, safety chains, and breakaway cable from the tow vehicle. Uncouple the coupler, and extend the jack to raise the coupler off the ball.

If using a weight distributing hitch, you may use the jack foot to raise both the tow vehicle and trailer to make it easier to disconnect

the hitch. Make sure to not exceed the 4,000 lb maximum lift capacity. Once the spring arms are disengaged, lower the trailer and tow vehicle back to a point where the tow vehicle is supporting the trailer's tongue weight. Uncouple the coupler, and extend the jack to raise the coupler off the ball.



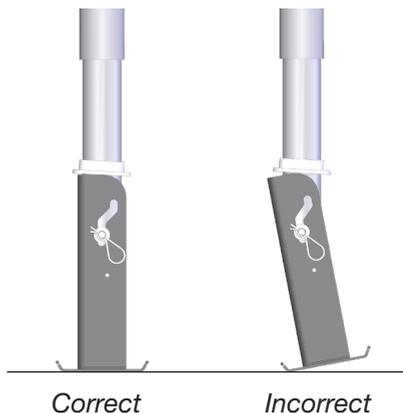
Support tongue weight with jack foot in the vertical position and only with the jack resting on the support plate.

STEP 5

The FLIP jack foot is designed to straighten automatically as more weight is applied. At times it may be helpful to move it forward slightly with your foot to make sure it sits directly below and in line with the jack so the jack tube rests correctly against the front of the jack foot and on top of the support plate.

If the full tongue weight is placed on the jack with the jack foot out of position, the inner jack tube can bend, resulting in improper function of the jack or jack foot. It may also damage the jack foot or trailer.

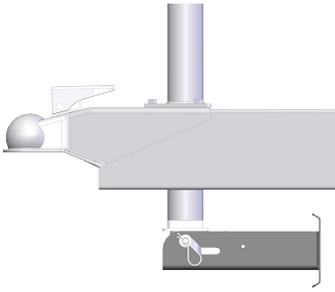
If you must drop the trailer where there is not enough ground clearance for the FLIP to operate correctly, simply remove the pin and remove the FLIP from the jack.



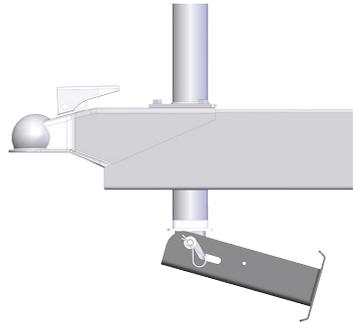
STEP 6

To couple your trailer, back the hitch ball under the coupler. Retract the tongue jack until the coupler rests on the hitch ball. Lock the coupler. If you are using a weight distributing hitch, extend the jack to make engaging the weight distribution bars easier.

With jack fully retracted



Correct



Incorrect

Retract the jack completely until the FLIP rotates up and out of the way for towing. If the jack does not retract far enough to accomplish this, you may take up the difference by adding an additional stop washer(s) between the top of the FLIP foot and the spacer ring. Alternatively, you may cut a small amount off the bottom of the jack, then follow STEP 3 to drill a new mounting hole.

Do not force the jack handle after the jack has reached the top of travel. Rotate it back slightly if necessary for towing. The FLIP foot should be perpendicular to the jack for travel.

TOP-WIND JACK CAUTION

When traveling on very rough washboard roads for an extended period of time, the vibration could cause the jack to unwind slightly, allowing the FLIP foot to drop out of towing position. If you must tow for an extended period on this type of road, remove the FLIP foot from the jack, and replace it once your destination is reached.

Limited one year warranty

Progress Mfg. Inc. warrants, to the original purchaser, this product against defects in materials and workmanship for a period of one year from date of purchase. This warranty does not cover damage due to normal wear and tear, misuse, neglect, abuse, or product finish. Progress Mfg. Inc. reserves the right to repair or replace the defective part(s) at their discretion. Replacement of product or refund constitutes the fulfillment of all liabilities of Progress Mfg. Inc. under this warranty. For questions about warranty coverage and warranty authorization, please call (877) 523-9103. If warranty repair or replacement is approved, send the entire product and proof of purchase, shipping prepaid, to: Progress Mfg. Inc., 353 South 1100 West, Provo, UT 84601

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All products patent pending.