

Tailgate Lift Assistant

US Patent# 6,183,031

Caution: Inspect parts and compare it to the list provided. * Remember the eyebolt has tension and could spring back causing an injury. To avoid injury, make sure the open end of the eyebolt faces away from tension. ** It is not recommended to increase the tension for what you may believe will make the gate lift easier by drilling different holes in Step # 9.

However, for heavier gates, it may be necessary to drill at 1" or 2" higher on gate.

Part List

PART #	DESCRIPTION
01	Cable Roller Assembly
02	Eye Bolts 1/2" x 6"
03	6' Stainless Steel Housing
04	Clamps
05	Rollers
06	Hangers
07	Spring
08	Chain link
09	Quick link for chain

Special Notes: Some trailers may need to be modified at the end of the top rail. Mounting can be done on either side of trailer.

You will need the following tools.

- 1- 5/16" drill bit
- 1- 1/2" drill bit
- 2- 3/4" wrenches
- 2- 1/2" wrenches
- 1- Straight screw driver

10 Easy Steps:

Step #1: Marking the drill specs.

- A. Measure 90" from the rear of the trailer top rail and drill 1 hole 1/2" in the center of the top rail. Every hole from this point on will be towards the rear of the trailer.
- B. Measure back 6" from the 1/2" hole and drill 5/16" hole centered in the top rail.
- C. Measure back 30" from the 5/16" hole and drill a 2nd 5/16" hole centered in the top rail.
- D. Measure back again 30" from the 2nd 5/16" hole and drill the third and final 5/16" hole, centered in the top rail.

Step #2: Ready to mount your clamp brackets in the three 5/16" holes. When you mount the clamp brackets, be sure the square opening is inside and

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then track the bolt with the washer to the outside then secure the lock nut to the bottom of the rail.

Step #3: Spread clamps open wide enough to set the housing in place, near the first hole you drilled (1/2" hole).

Step #4: Ready to mount the cable roller assembly.

A. Place cable roller flush with the rear of the top rail.

B. Mark and drill your final (3) 5/16" holes.

C. Mount the cable roller assembly using 5/16" bolt with washer and securing it with lock nuts on the bottom of the rail * **Longer bolts are provided for round or tube side rails**

Step #5: Stretch the spring back (*) enough to mount your eyebolt in the 1st hole you drilled 1/2" at the 90" mark adding a lock nut to the bottom side and tighten, ensuring the eyebolt will be vertically in line with your top rail.

Step #6: Place tubing firmly against the eyebolt, which runs horizontally in the same direction as your top rail.

Step #7: Using a straight screwdriver tightens the three clamps around the tubing.

Step #8: Hold gate in the closed position, latch the gate lock on the opposite side of the EZ Gate installation.

Step #9:

A. If you have a 48" gate, measure down from the high side approx. 15" and drill 1/2" hole.

B. If you have a 60" gate, measure 24" down from the high side and drill 1/2" hole.

C. If you have a 72" gate, measure 34" down from the high side and drill 1/2" hole.

Step #10: At this point, very carefully, using both hands, extend the cable up to the drilled 1/2" hole (**) be sure gate is in the upright position and insert the eyebolt with the washer through the hole securing it with washer and nut to both sides, your lock nut is to be on the inside of the gate. This step may be tough, and it may be necessary to remove the top roller in the pulley bracket. Then, once you have the eyebolt installed in the gate, you would lower the gate until the cable comes in contact with the bottom roller, then replace the top roller. Use Chain links to make any adjustments necessary on your tension.

Congratulations you are ready to start saving time and energy.

*****Footnote: There are 2 additional holes in the cable roller assembly that will allow you to adjust as needed, ONLY ADJUST WITH CABLE IN THE PARALLEL POSITION WITHOUT TENSION ON THE ROLLERS!**