



RAMP SPRING INSTALLATION



61381 US Hwy 12
Litchfield, MN 55355

Parts: 320-593-4595

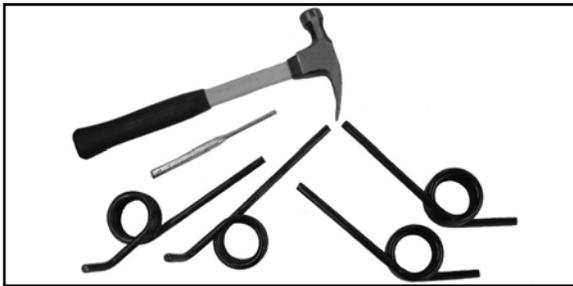
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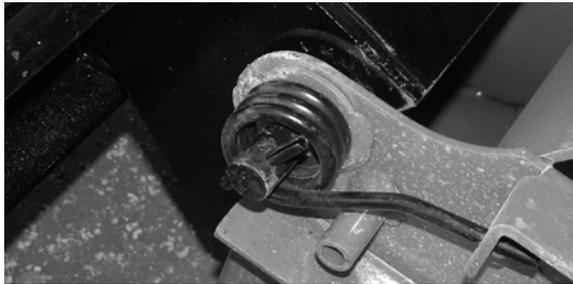
Please contact your Towmaster Inc. Authorized dealer to install ramp(s) and ramp spring(s). **Danger!** Ramps are very heavy and can cause serious injury or death. Only an authorized dealer should install ramp(s) and ramp spring(s).

Cantilevers, ramps and springs may look different than what is shown, but the procedure is the same. Refer to the chart on the right for the correct spring for your trailer.

CANTILEVER <small>*Approximate model years</small>	OFF-THE-GROUND SPRING		OFF-THE-BEAVERTAIL SPRING	
	OLD NO.	NEW NO.	OLD NO.	NEW NO.
 2002 and up*	370520	370590	LH-370580 RH-370581	LH-370580 RH-370581
 1997-2002*	370520	370590	LH-370523 RH-370525	LH-370527 RH-370529
 1997 and older*	370520	370520	LH-370523 RH-370525	LH-370523 RH-370525



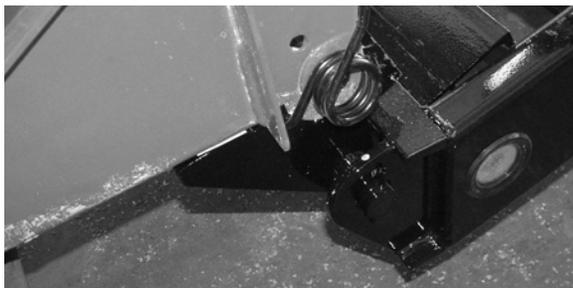
1) To install or replace the springs on the ramp spring assist, have a hammer and roll-pin punch and the new springs handy. Two or more people is required to install safely and properly.



2) Using the hammer and punch, remove the roll-pins from both sides of the ramp rod.



3) Lift the ramp straight up off the beavertail so that it is vertical. This relieves the pressure off the spring.



4) Remove the springs from the rod by driving the rod out from under the spring (but not completely from the ramp and cantilever), and carefully removing the spring from the keeper. Do this on both sides of the ramp. If you are replacing the cantilever springs (off the ground assist), proceed to step 8. If you are replacing the spring assist (off the beaver-tail), proceed to step 5.

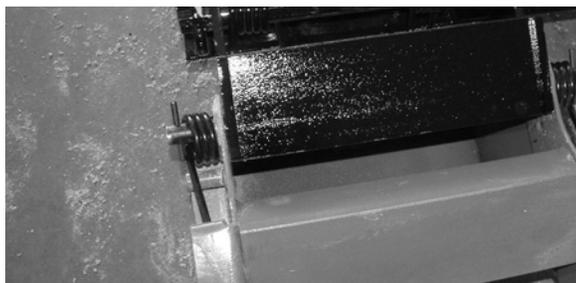
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5) Determine which spring goes on which side of the ramp. Slip the longer end of the spring into the keeper and the hook end of the spring under the ramp.



6) After putting the spring in place, drive the ramp rod into the center of the spring. Repeat for the other side.



7) Insert the roll-pins, and repeat for the other ramp.



8) To replace the springs on the cantilever (off the ground assist), you will need to remove the ramp spring assist (off the beavertail assist) and the ramp. After removing the springs from the ramp, set the ramp back onto the beavertail and remove the ramp rod. Slide the ramp forward.

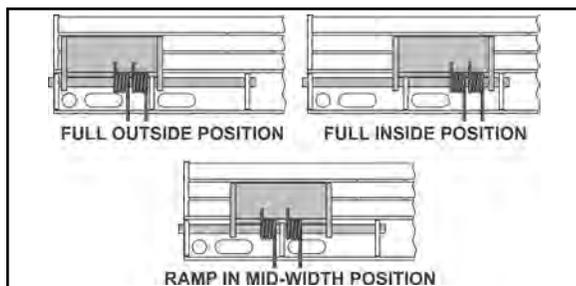


9) On the cantilever, remove the roll-pins from the cantilever rod and slide the rod out.

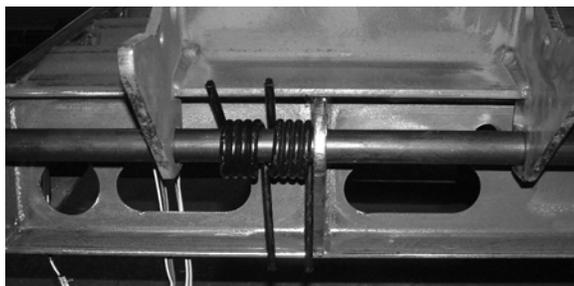
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10) Remove the old springs and replace with the new springs. The longer leg of the spring should be toward the bottom.



11) Note: You may position the springs on either side or both sides of the mounting ear depending upon where you want ramp placement. Positioning the springs between the outside ears will place the ramps toward the outside for full load width. Positioning them between the inside ears will place the ramps toward the inside for a narrower load width. One spring on each side will center the ramps between full outside and full inside load width.



12) Slide the cantilever rod back through the mounting ears and replace the roll-pins.



13) Replace the ramp and ramp spring assist (off the beavertail) starting with step 5.