



Metal Gate Installation

- This product will not function properly if your gate comes in contact with the ground or any vegetation when opened or closed.
- This product is designed to work with lightweight metal gates that are 16 ft. or less in length. *(This product is to be used in rangeland settings, not sorting corrals.)*
- It is highly recommended that your gate hinge post be buried at least 3 ft. deep and set in concrete, to prevent your gate from sagging.
- It is recommended that the bottom of your gate be hung at least 16 inches above the ground when your gate is closed, to help avoid your gate from striking the ground. *(This product is not intended to help fence in bunnies!)*

Spring Bracket Installation

***Important Note:** If the hinge post is taller than the top of your gate, the hinge post will need to be cut-off so that the top of the post is 3 inches below the top of the gate.

1. Attach “T” bracket on top of gate, near gate hinges, using two of the U-bolts provided, as shown in figure 1.



2. Attach “L” bracket to the top of gate hinge post using two of the lag bolts provided. First, install the lag bolt that screws into the top of the post, making sure that the front of the “L” bracket fits firmly against the side of the post, as shown in figure 2.



3. Install the spring, by first installing the provided eyebolt into one of the 3 pre-drilled holes on the end of the "L" bracket. Next attach the spring to the end of the "T" bracket and the eyebolt installed on the "L" bracket. Once the spring is in place, rotate the "L" bracket until the end of the gate comes in-line with the gate latch post, then install the last lag bolt as shown in figure 3.



Gate Latch Installation

1. Install gate latch a quarter of the way down from the top of the gate. There should also only be $\frac{1}{2}$ inch of space between the end of the gate and the gate latch when the lever latches are closed. This may require shims or resetting the gate latch post.
2. Attach gate latch to the gate latch post using two provided lag bolts. First remove one of the bolts from the lever latches on the gate latch to access the lag bolt holes. Once the gate latch is secured to the post re-install the lever latch and bolt. Make sure the spring is attached to the back of both lever latches. See figure 4.



Time Delay Bracket Installation

1. Attach the time delay bracket at the bottom of the gate, 1 ft to 3 ft. from the end of the gate using two provided square U-bolts, as shown in figure 5.



2. Fully open gate and mark the location where the time delay rod strikes the ground when pushed down. Do this for each direction the gate opens. Next drive the provided metal pipes into the ground at each location marked, so that the time delay rod will easily fit into the pipe when pushed down. The metal pipe should be positioned 1 inch below the bottom of the time delay bracket as shown in figure 6. In addition, the notch on the pipe should be facing towards the gate when opened.



* **Important Note:** If the gate is located on uneven ground, a wood post will need to be set to attach the pipe to. The pipe will then need to be attached to the post with lag bolts.

Operation

1. To increase or decrease tension on your gate, move the eyebolt on the “L” bracket closer or farther away from the gate hinge post.
2. To increase or decrease the amount of time delay desired before your gate automatically closes, rotate the black hydraulic cylinder clockwise for additional time and counterclockwise for less time. 1 minute is recommended for most situations. Use a stopwatch to set desired time delay.
3. Place the provided sticker on the gate near the time delay bracket and indicate the amount of time the gate will remain open.

Please visit www.307mfg.com for addition information.

