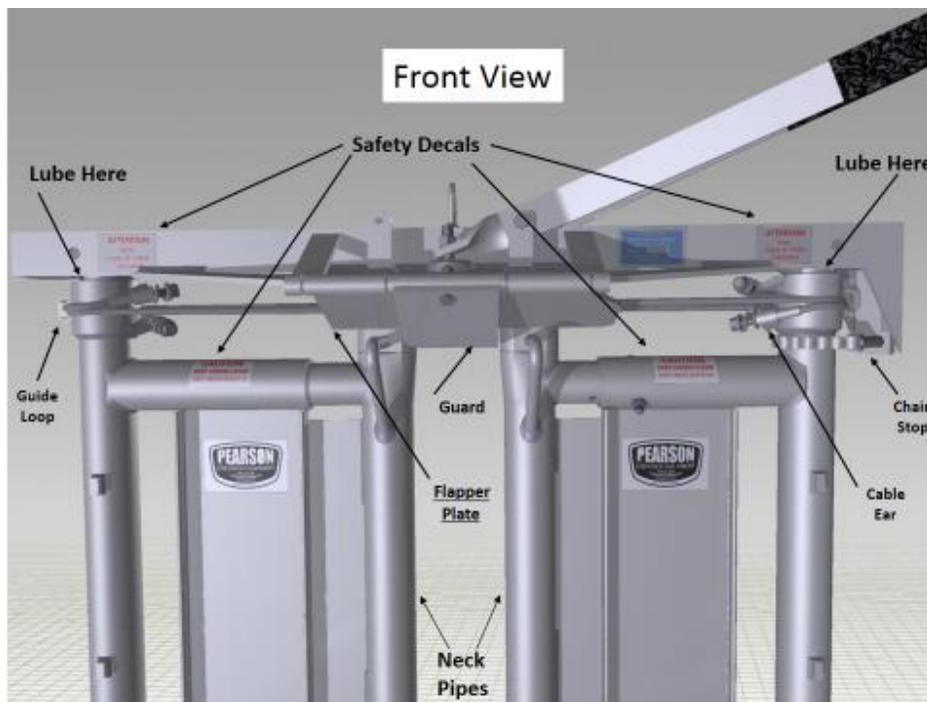




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## HEADGATE MAINTENANCE

- Headgate hinge pipes should be lubricated with a solvent-type lubricant such as diesel fuel or WD-40 when headgate is new and whenever they get dry. There are no grease zerks on the headgate. Make sure all decals are present and visible on the headgate. Make sure the operator of the headgate knows the decals' locations and understands their warnings.



FRONT VIEW

- KEEP GATES IN TIME AND CABLES TIGHT! New cables will stretch out, so it is very important to keep them tight. The first 50-75 head through the gate will do most of the stretching, so that is the most important time to watch. For routine tightening, simply tighten all four cable nuts the same amount.
- Keep chain stop wing nut adjusted to only allow cow's head through the headgate when headgate is opened backwards (catching position). Allowing the headgate to open any wider will let the cow's shoulder(s) slip past the headgate, and cable breakage can occur.
- Always replace both cables at once. A new cable cannot be used with a stretched one. Keep the old one, and use it as a replacement when one of the new ones wears out. We recommend that you keep the old cable on while you replace the first new one. Cables are the same for both sides; there is no difference between left/right/top/bottom.

For models G-9, G-9S, G-93 (50" cable)

and G-7 (46" cable)

### Steps for Replacing Top-Mounted Cables (Crimped on Bolts)

1. Put first cable bolt through guide loop and top collar on left side. Put on a spring, a washer, and a nut. Only start the nut to allow enough tolerance to start nut on other end. Wrap cable around hinge pipe  $\frac{1}{2}$  turns clockwise (from top) around hinge pipe, and route across to other side.
2. Bring cable around hinge pipe  $\frac{1}{2}$  times counterclockwise (from top), and route through guide loop. Put cable bolt through top right ear, install spring and washer, and start nut.
3. Looking from the front, push the left gate back and pull the right gate forward to tighten and stretch the cable. Hold the gates in this position while you replace the second cable.
4. Put second cable bolt through guide loop and bottom left cable collar. Install spring and washer, and start nut. Wrap  $\frac{1}{2}$  times counterclockwise (from top) around hinge pipe, then, route cable across headgate, keeping second cable towards you.
5. Wrap  $\frac{1}{2}$  times clockwise (from top) around right hinge pipe and through guide loop, then put bolt through bottom right cable collar. Install spring and washer, and start nut. You may have to use Vise-Grips. Clamp them on the bolt head of the cable and pry against the chain stop.
6. Tighten both cables fairly tight but not so tight that they bind and prevent the gates from swinging smoothly.
7. IT IS VERY IMPORTANT TO TIME THE GATES! If the gates are kept in time, the cables will have a much longer life. To time the cables, lock the gate closed, and push the vertical neck pipes back against the back flapper plate. If they don't **both** touch the back flapper plate, adjust so that they do. To adjust, tighten the top nut on the side that does not touch, and loosen the bottom nut. Pull back and forth a few times to work the cables. Close the gate very slowly and check to make sure the flapper plate comes off both neck pipes at the same time. If it hangs up on one, repeat the procedure. The gate should be in time both ways.

