

Maintenance Tips – B.P. 360° Rotary Livestock Containment Chute (Hydraulic Model)



Below is an itemized listing of recommended maintenance to keep your Shank's® B.P. 360° Rotary Livestock Containment Chute ("Chute") in good working order.

Main Frame

It is very important that the Chute main frame, and the Chute rings be washed and kept free of dirt, hoof filings and manure. Any buildup of debris in the channel iron rings, or roller chain/drive rings of the Chute frame will impact the Chute's ability to roll and perform basic functions.

Lubrication points

Lubricate all pivot points with white lithium grease two (2) times a year. Apply ½ to 1 pump in each grease zerk/fitting. Grease fittings are located at various points on the Chute:

1. Drop down bars
2. Top squeeze
3. Headgate

Hydraulic System

The hydraulic system is a closed system, which means that it does not consume (or burn) oil. If no oil has leaked from anywhere in the system then no oil needs to be added. There is a filter and service gauge connected to the motor/power unit. Replace the 10 micron filter (as needed) according to the indicator on the service gauge. We can furnish a replacement filter or it can be purchased on your own.

Cable/ Assembly - Backrest and Rear Tailgate

The cable roller guides on both cable assemblies should be lubricated with WD-40 or any other type of penetrating lubricant, to assure smooth movement. Lubricate as needed.

Chute Wheels

The Chute rotation wheels (3" x 6" phenolic wheel with bearings) are one of the main

components that controls rolling functions of the Chute. All roller wheels include roller bearings that come pre-packed with grease. For ongoing maintenance – white lithium grease should be applied to the grease fitting/zerk on the roller wheel bearings. Apply two (2) pumps of grease twice a year on the four (4) upper wheels. The lower wheels receive more wear and tear, and as a result apply four (4) pumps of grease quarterly to the lower wheels.

Vinyl covering (head extension, backrest)

The vinyl covering can be washed with soap and water or any mild household cleaner and a soft bristle brush. A severe stain can be cleaned with xylol or xylene and a small brush or soft cloth. Xylol/Xylene can be obtained at any paint store.

Winch/hand crank

The winch/hand crank assembly is the component that controls cranking of the nylon/chain leg hobbles. The winch assembly should be inspected once a month to assure all components of the winch are in proper working order. The winch can be replaced if it begins to show wear. Replacement springs can be ordered, if necessary. Lubricate all pivot points with WD-40 once a month (or less frequently depending on usage).

Nylon/chain hobbles

The hobbles should be inspected once a month to assure stitching is secure and that there are no wear points on the webbing portion of the hobbles. Replacement nylon/chain hobbles can be ordered if necessary.