

EQUIPMENT MAINTENANCE

INLETS, WINCHES, AND CURTAIN MACHINES

Preventative maintenance will keep automated ventilation systems running smoothly.

There are some things to keep in mind as you begin the cleaning process:

- Always disconnect electrical power before servicing winches or curtain machines.
- Never high pressure wash winches - water will penetrate the wiring box and create a short.
- Remove the dust from the pulleys! A dust build up will cause cables or wires to run off track, causing breakages or uniform openings.

To clean the Inlets:

- Remove dust from inlet openings and bird screens.
- Remove dust accumulation from cords and pulleys. Check they are functioning properly; replace if needed.
- Check the inlets open uniformly and close tightly. Adjust if necessary.

To clean the Winches:

- Wipe down with a damp cloth.

To service the Curtain Machines:

- Inspect drive screw and nut. Remove dust and grease if needed.
- Inspect cables, pulleys, brackets, hand winches,

etc. for alignment and premature wear. Re-align or replace worn parts, as needed.

- Inspect bearing by listening for abnormal sound and watching for smooth rotation. Listen to motor for abnormal sounds.
- Run the machine in manual mode in both directions to ensure positive shut off and unrestricted cable movement.
- Follow below monthly maintenance schedule.

We recommend following a maintenance schedule for curtain machines.

Monthly:

* Use Valvoline Valplex EP Wheel Bearing grease or equivalent for lubrication.

- Remove dust from drive screw with pressurized air.
- Lubricate entire length of drive screw.
- Grease zerk fitting on top of the bearing block until fresh grease comes out the thrust bearing.
- Grease the zerk fitting on both the header pulleys until fresh grease comes out the sides.
- Grease entire sidewall along the length of loadblock travel.
- Inspect end-stop collars and limit switch actuation block to ensure proper operation. Tighten if needed.
- Inspect and tighten all set screws.