

Maintenance

- **Water Supply.** Run a water supply line to the unit. The float valve requires a 3/8 inch tube connection. **NOTE: Do not use water supplied from a water softener.**

- **Float valve.** Install the float valve to the mount bracket in the cooler (Fig. 4) and attach water supply line. Note: 75/85 and 95 units come with the float valve installed. For the other models, the float is purchased separately.

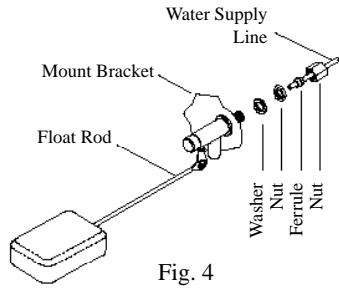


Fig. 4

- **Filling pan.** Turn on water supply and check for leaks. Allow water to fill to within 1" of top of pan. Loosen the screw on the float rod to adjust the float and retighten the screw.
- **Water troughs.** Operate pump until pads are saturated. Check each trough to see if water is evenly dispersed in the trough. If they are not, loosen adjustment bolts and level trough. Retighten bolts. Check to see that all pads are saturated with water and that there are no dry spots or openings in the pads.
- **Bleed-Off.** Use of a bleed-off kit is recommended to prevent scale build up by bleeding off small amounts of circulating water during operation. Do not add any type of water treatment chemicals to the water.

Pulley And Belt Adjustments

- **Pulley adjustment.** With an ammeter, check the motor amperage. Adjust the pulley until the amperage draw on the motor is just below that specified on the motor nameplate. To adjust the pulley, loosen the adjustment set screw and rotate the sheave. Tighten the set screw so that it is over a flat area, otherwise thread damage will occur. To increase amperage draw, increase pulley diameter. To decrease amperage draw, decrease pulley diameter (Fig. 5). Recheck belt alignment.

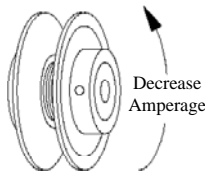


Fig. 5

- **CAUTION:** When it is necessary to adjust pulley, amperage of motor must be checked to make certain it does not exceed the maximum allowed as stamped on motor specification plate. Improper pulley adjustment will overload and burn out motor.

- **Belt tension.** Loosen the motor mount bolts and slide the motor back until the belt is properly tensioned. A 3 lb. force should deflect the belt 3/4 inches (see Fig. 6). Retighten motor mount bolts. **Do not adjust pulley to tighten belt.**

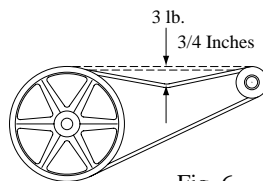
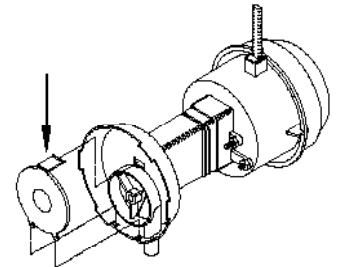


Fig. 6

- **WARNING:** Before doing any maintenance be sure to disconnect from power source. This is for your safety.

Spring Start-Up

- **Belt tension.** Check belt tension and readjust if needed.
- **Oil bearings.** The blower bearings and cooler motor in this unit should be oiled with a few drops of non-detergent 20/30 weight oil once each year. The motor does not need oil if it has no oil lines for oiling. Motors that have no oil lines are lifetime oiled at the factory and require no further oiling for the life of the unit.
- **CAUTION:** Do not over oil. Over oiling can cause motor burn out, due to excessive oil getting into motor winding.
- **Change Pads.** The pads should be replaced once or twice a season, depending upon the length of the season. At the beginning and at mid season a clean pad is more absorbent and efficient and will deliver substantially more cool air.
- **Clean pump.** Cleaning the pump is necessary once a year at start-up. For your safety, disconnect from power source and unplug pump. Remove the pump from the mount bracket. Remove the base of the pump (Fig. 7). Clean the pump and turn the impeller to ensure free operation. Remove the pump spout and check for any blockage. After cleaning, reinstall the base onto the pump. Reattach the pump to the mount in the cooler to ensure that the pump will not overturn. Do not forget to replace the spout and water delivery tube onto the pump outlet. The pump has automatic reset thermal protection. Pump will operate normal again after obstruction is cleared.



- **Bleed off.** Check bleed-off valve to be sure it is not clogged.

Winter Shut Down

- **Drain water.** Always drain all of the water out of the cooler and water supply line when not in use for prolonged periods, and particularly at the end of the season. Keep the water line disconnected from both the unit and water supply so that it does not freeze.
- **Disconnect from power supply when not in use for extended periods of time.**
- **Cover unit.** To protect the life of the finish, a cover for the unit is suggested in extended periods of non use.

By following the operating, installation, and maintenance suggestions as outlined, you can get many years of efficient and satisfactory service from your cooler. In the event additional information is desired, your dealer will be more than glad to assist you in every possible way.