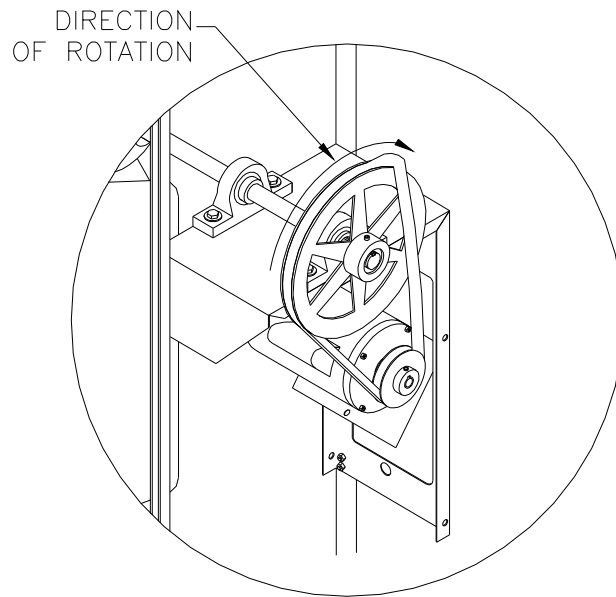


GALVANIZED SLANT WALL FAN INSTALLATION MANUAL



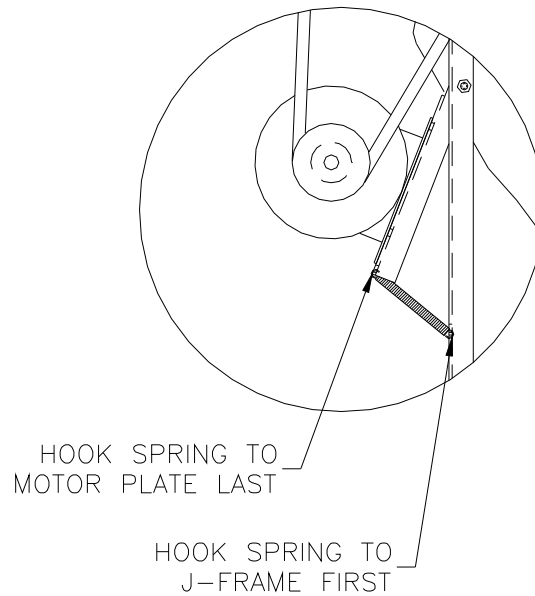
Step 1.

Install the v-belt onto the small pulley, then hold the v-belt onto the top of the large pulley and rotate the large pulley clockwise until the v-belt is completely on the large pulley.



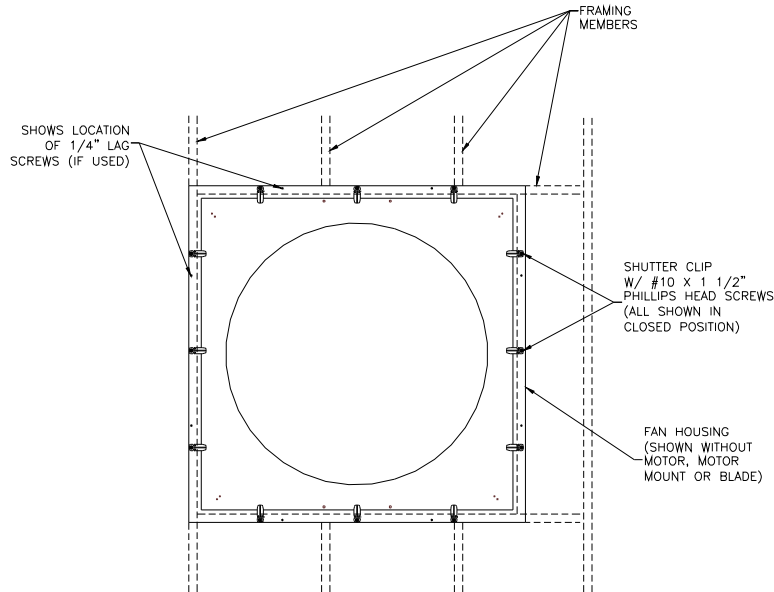
Step 2.

Install the belt tension spring onto the J-frame and hook the upper end of the spring to the motor plate. The spring will require to be stretched to hook to the motor plate and care should be taken to avoid injury.



Step 3.

Install the assembled fan into the wall, taking care that the housing slopes downward. Use the shutter clips and self-tapping #10 x 1 1/2" Phillips head screws to fasten the fan to the wall. Take care to screw the shutter clips through the predrilled shutter clip holes in the fan housing. Install the shutter after making sure the shutter vanes open upward and the shutter clips rotate easily. Additional 1/4" x 1 1/2" slotted / hex head lag screws can be used to fasten the fan to the wall if desired. Make sure the lag screws go through the housing flange at a point that they will not interfere with the shutter frame.



FAN MAINTENANCE

CAUTION: Disconnect electrical power before servicing fan.

Inspect propeller: Check to see that the propeller is secure on the shaft and that there are no signs of damage.

Fasteners: Retighten nuts and bolts on a quarterly basis.

Lubrication: Lubricate the pillow block bearings on a quarterly basis with an NLG1 type grease.

Clean Fan:

Motor: Remove any dust accumulation from motor using a brush or cloth. (DO NOT USE A PRESSURE WASHER ON THE MOTOR) A clean motor will run cooler and last longer. Check if the motor is secure in its mount.

Shutter: Carefully clean dust from shutter vanes and frame so that shutter opens and closes freely. If shutters are extremely dirty you can lose up to 45% of your fan capacity.

Guard: Clean any dust or dirt buildup from fan guards using a brush. Dirty guards can also reduce airflow.

Housing: Remove dust and dirt accumulations from housing with a pressure washer.

Inspect Fan Controls: All controls should be inspected every six months to assure optimum protection of your ventilation system.

- Check all covers for a tight fit.
- Wipe enclosures with a damp rag to remove dirt and dust.
- Clean sensors with a damp rag to remove dirt and dust. Be very careful not to damage sensors.
- **NEVER CLEAN ELECTRICAL EQUIPMENT WITH A POWER WASHER!**

WIRING DIAGRAM: Be sure power is “OFF” before doing any wiring. All wiring will be installed in accordance with national, state and local electrical codes. Fans used to ventilate livestock buildings or other rooms where continuous air movement is essential should be connected to individual electrical circuits. For electrical connection requirements, refer to diagram on the motor nameplate or the enclosed wiring diagram. Motors are pre-wired for 230 volts. Motor overload protection should be provided for each fan. A circuit breaker switch or slow blow motor type fuse must be used.

Three phase motors do not include overload protection. Specifications subject to change without notice.

NOTE: A safety cut-off switch should be located adjacent to the fan.

PROPER SHUTTER INSTALLATION: When installing the shutter, make sure the shutter vanes open upward.

WARNING If these ventilation products are used to support life in agricultural structures where failure of the system could result in loss or injury, the user must provide an adequate backup and alarm system. The user must accept all risks of such loss or injury due to the possible failure of the ventilation system.

CAUTION Do not install fan with moving parts within seven feet of floor or grade level without a guard that complies with OSHA Regulations. Do not use unless electrical wiring complies with all applicable codes. Do not wire without providing for power source disconnect at the fan itself. Do not service except by a qualified maintenance technician and only after disconnecting the power source. Do not install in room where flammable material is stored or flammable vapors might build up. Failure to observe all of these precautions can result in serious injury or death.

SERVICE AND TECHNICAL ASSISTANCE

Your dealer or the Raydot Service Department will be happy to answer all technical questions which will improve your use of the Galvanized fan series. Be prepared with the model number and necessary information before you place a call to your dealer or Raydot L.L.C. If your fan requires service when the warranty period has expired, please contact your dealer for assistance or return the unit to Raydot L.L.C. for repair.

Inquiries



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