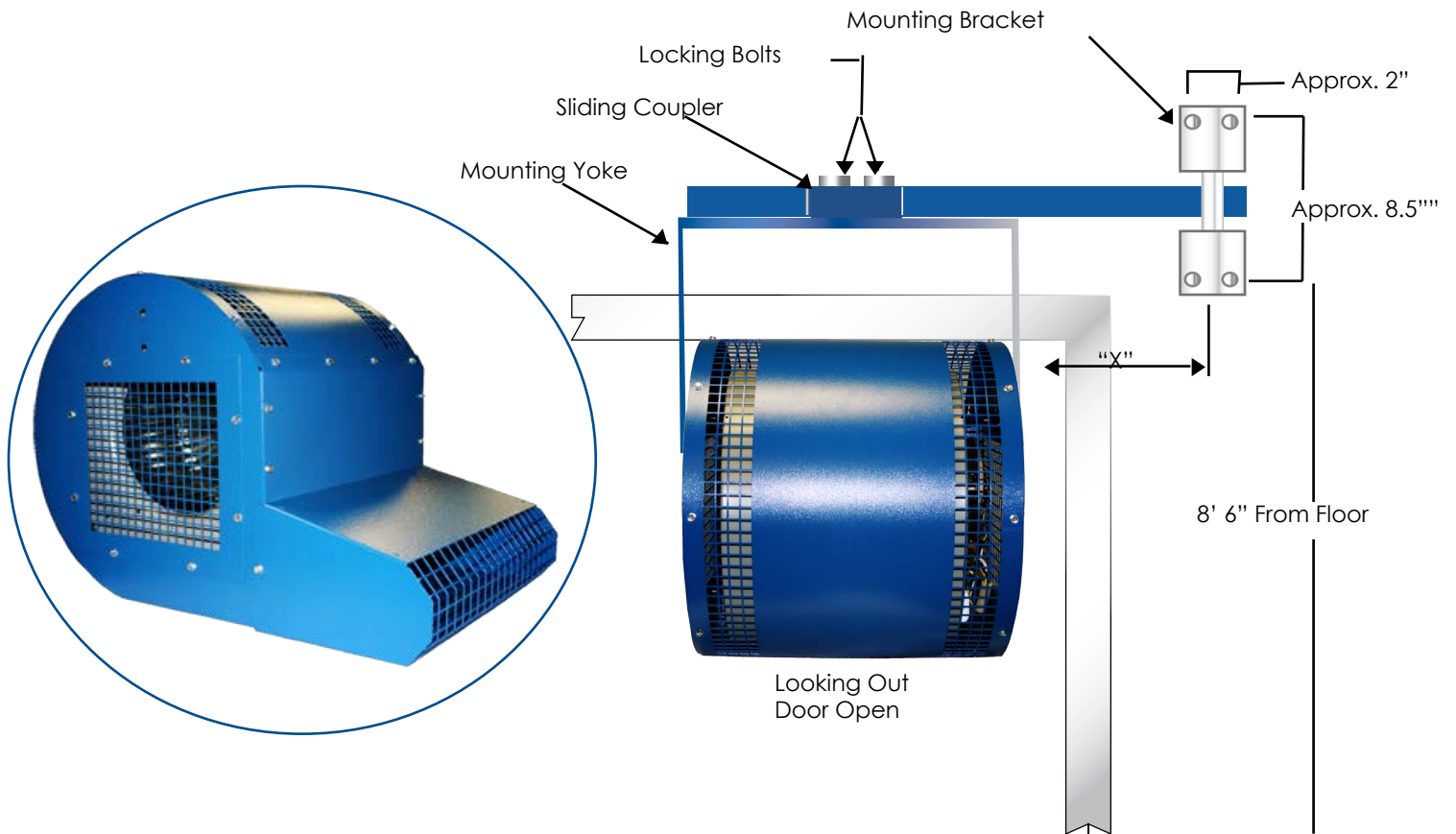


# HVTC assembly instructions



1. Locate and mark the location of the lower left mount plate bolt hole (See Diagram 1). Keep the X dimension as short as possible.
2. Using a leveling square, mark the other three hole locations.
3. Attach the wall mount bracket/arm to the wall.
4. Insert the shorter leg of the "L" shaped arm into the wall mount bracket/arm. (These two pieces fit tight. A soft face mallet may be used to fit these two pieces together.)
5. Attach the goal post onto the HVTC.
6. Lift HVTC up and slide onto the "L" arm.
7. Adjust the "L" arm to allow 2" of clearance between the door and nozzle, then tighten locking bolts securely.
8. Position the HVTC outlet in the upper corner of the door opening and tighten the locking bolts.
9. Using the adjusting bolts on the side of the goal post, tilt the HVTC outlet 5 degrees above horizontal.
10. Run power lines along mount arm to the junction box.

# OPERATING INSTRUCTIONS

**Disconnect power source before installing or servicing. Failure to disconnect power source can result in fire, shock or serious injury.**

1. Patterson products should be installed and serviced by qualified technicians only.
2. Follow all local electrical and safety codes, as well as the National Electric Code (NEC) and the Occupational Safety and Health Act (OSHA) in the United States.
3. The unit should be installed, protected and fused in accordance with latest issue of the National Electrical Code, MEMA Standard Publication No. MG2 and local codes.
4. Motor must be securely and adequately grounded. This can be accomplished by wiring with a ground, metal-clad raceway system, using a separate ground wire connected to the bare metal of the motor frame, or other suitable means.
5. Always disconnect power source before working on or near a motor or its connected load. Lock open position and tag to prevent unexpected application of power.
6. In accordance with OSHA requirements, guarding is required if unit is mounted less than 7 feet above floor or where workers have access.
7. Keep hands and clothing away from moving parts.
8. Be careful when touching the exterior of an operating motor; it may be hot enough to cause injury. This condition is normal if operated at a rated load and voltage and built to operate at higher temperatures.
9. Protect power cable from coming into contact with sharp objects.
10. Do not tangle power cable and never allow cable to come in contact with oil, grease, hot surfaces or chemicals.
11. Make sure that the power source complies to the requirements of your equipment.

## Single Phase Motors

The factory assembled fan head is equipped with a 12 foot long cord and connector. To turn on fan, plug it in; to turn off fan, unplug it.

## Three Phase Motors

A cord and connector is not supplied with three phase motors. These fans will need to be fitted with an appropriate cord and connector or hard wired directly to a power source. For 14"-22" fans, remove wire cover on motor and wire accordingly. For 26"-34" fans, the rear OSHA Compliant finger guard must be removed to access the wire cover and internal wiring. Wire the fan. Replace cover and OSHA Compliant finger guard.

When looking at the front of the fan, the blade should be turning clockwise. If it does not, the electrical connection wires may need to be reversed. If reversing the wires does not work, contact your factory representative.

# MAINTENANCE

All Patterson Fans are designed to be virtually maintenance free, but routine cleaning and inspection should be performed on a regular basis. Clean the fan of all dust, dirt and grease. Regular cleaning will keep the fan operating safely at optimal performance levels.

On an annual basis, we recommend that you inspect the following:

- Tightness of the blade
- Cracking of the blade around rivets, spider, and hub
- Integrity of motor mounts and welds
- Tightness of the safety finger/hand guards
- Tightness of bolts of mounting brackets
- Security of attachment to wall or other structural member
- Security of the safety chain

**If you find any problems as a result of routine inspection or have any questions about assembly or operating instructions, consult the troubleshooting guide on the following page or call a factory sales representative at 800-768-3985.**

For all parts, visit [www.pattersonfan.com](http://www.pattersonfan.com) or contact Patterson Fan Company, Inc. direct at **800-768-3985**.