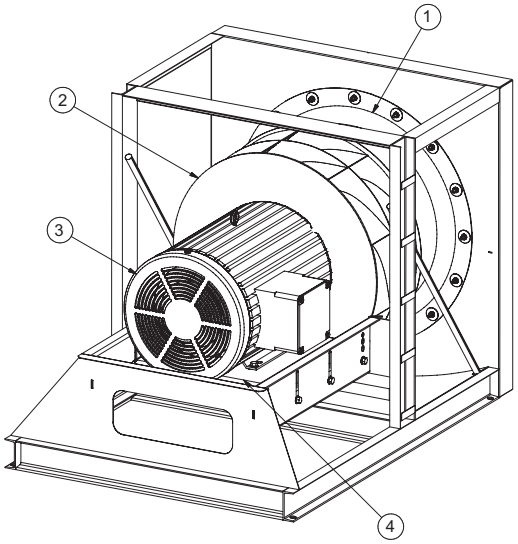
r. Test run and retighten all setscrews and bolts. Trim balance as necessary (.0785 in/sec max.).

After 24 hours of operation, retighten the setscrews to the appropriate torque. This assures full locking of the inner race to the shaft. Make sure the socket key or driver is in good condition with no rounded corners. The key should be fully engaged in the setscrew and held squarely to prevent rounding out of the setscrew socket when applying maximum torque.

Troubleshooting

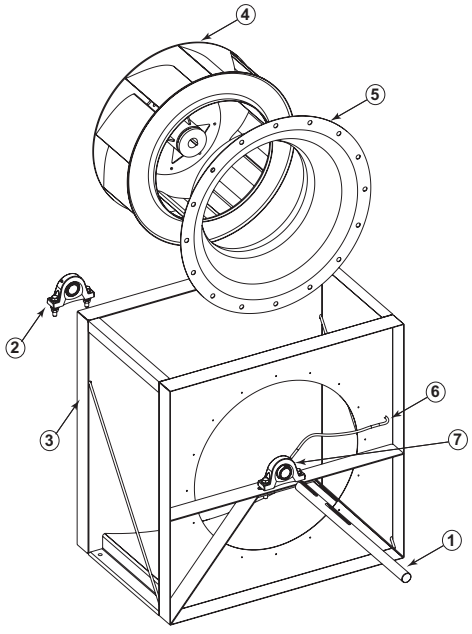
Problem and Potential Cause
Low Capacity or Pressure •Incorrect direction of rotation. Make sure the fan rotates in same direction as the arrows on the motor or belt drive assembly. •Poor fan inlet conditions. There should be a straight clear duct at the inlet. •Improper wheel alignment.
Excessive Vibration and Noise •Damaged or unbalanced wheel. •Belts too loose; worn or oily belts. •Speed too high. •Incorrect direction of rotation. Make sure the fan rotates in same direction as the arrows on the motor or belt drive assembly. •Bearings need lubrication or replacement. •Fan surge or incorrect inlet or outlet conditions.
Overheated Motor •Motor improperly wired. •Incorrect direction of rotation. Make sure the fan rotates in same direction as the arrows on the motor or belt drive assembly. •Cooling air diverted or blocked. •Improper inlet clearance. •Incorrect fan RPMs. •Incorrect voltage.
Overheated Bearings •Improper bearing lubrication •Excessive belt tension.

PLC-D Parts List



Part No.	Description Sizes
1	Inlet Cone
2	Wheel
3	Motor
4	Motor Base

PLC Parts List - Arrangement 3



Part No.	Description Sizes
1	Shaft
2	Drive Side Bearing
3	Housing
4	Wheel
5	Inlet Cone
6	Extended Lube Line
7	Inlet Side Bearing