

Tech Tips for Cougar Electric Vibrators

Tech Tips provided by Cougar Industries, A division of Martin Engineering

Question: Do I need to lubricate an electric vibrator?

D-Series: All D-Series models are equipped with pre-lubricated bearings. No further lubrication is necessary for the life of the bearings.

B-Series: Refer to "B-Series Vibrator Bearing Re-Lubrication Instructions" for specific instructions. Lubrication instructions can be found inside the package with each vibrator.

Question: How do I adjust my weights for force lbs on a B-series electric vibrator?

Note: Factory setting is 60% unless otherwise specified

- Remove both end caps
- Loosen outside "weight clamp screws" on each end of the vibrator
- Rotate outside weights to the desired output percentage and tighten the "weight clamp screws"
- Replace the end caps
- **Caution-Set both ends of the vibrator the same**

Question: An unusual sound (pounding) is coming from the electric vibrator?

- This typically means that the mounting is cracked or the vibrator bolts have loosened
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Question: What if my electric vibrator does not start?

- Check overload protection for tripped circuit breaker or burned out fuses
- Check to see that all wiring leads have power
- Remove the end caps and check rotor for free movement. If the motor is free, winding may be burned or have an open circuit (a strong odor will indicate a burned out condition, call customer service if this is found)

Question: What if my motor starter repeatedly shuts vibrator off?

- Check vibrator mounting bolts for tightness
- Check structure for rigidity
 - New installation-Mounting may be too weak causing a high amp draw
 - Older installation-Look for cracked mounting assembly, repair and reinforce immediately
- Motor starter must be in an area below 120° F ambient temperature (If above 120° F consult dealer or factory)

Question: Why doesn't my piston vibrator seem like it is performing like it did when I first purchased it?

Pneumatic vibrators are not like electrics and over time parts wear become apparent. Example, the Cougar 2" piston at 60 PSI operates at a VPM of 3900 and CFM of 16.1. Over time the parts inside (piston itself) will wear causing the clearance between the piston and body wall to increase. The results in needing more PSI to perform the same. So at year 5 you may need to run this unit at 90 PSI to get the same result as when you first installed it.

Note: For repeatability and longevity an electric vibrator is recommended. Electric vibrators are the most reliable and may cost more up front but last longer.



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