



9.5 Rubber Flange Sleeve Replacement

NOTE:

The Rubber Flange Sleeve replacement is done with the motor still attached to the GREEN MACHINE base.

Safety



Use lockout / tagout procedures prior to starting work.

VST recommends replacing the Rubber Flange Sleeve every time Maintenance is performed on the GREEN MACHINE even if the Rubber Flange Sleeve does not look damaged or worn.

9.5.1 Removing the Rubber Flange Sleeve

See Figure 9-12.

1. Turn OFF power to the VST Control Panel at the Power Switch located on the front of the VST Control Panel. (The power, ground, and neutral will be completely disconnected from the GREEN MACHINE).
2. Follow lockout & tagout procedures prior to starting work.
3. Unlock the hasps and remove the cover from the GREEN MACHINE.
NOTE: The Vacuum Pump and Vacuum Pump tubing will not be affected by moving the Vacuum Pump motor.
4. Remove the fan guard over the drive coupling flanges.
5.
 - Carefully move the junction box stand out of the way to allow for easier access to motor mounting bolts.
 - Remove the two bolts holding the Internal Junction Box stand to the GREEN MACHINE base. Keep the bolts for reuse.
6. Remove the 4 motor mounting bolts from the motor base plate. Keep the shims from under the motor base and 4-bolts for reuse.
7. Without removing the electrical service from the Vacuum Pump motor, slide the motor away from the Vacuum Pump so the rubber flange sleeve can be removed.

See Figure 9-13.

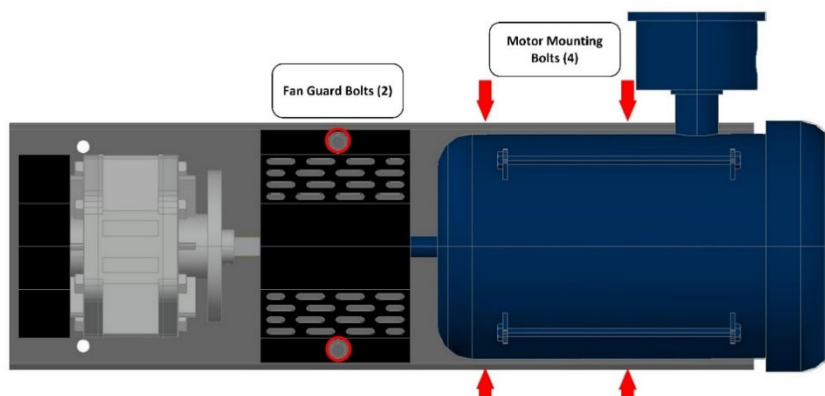


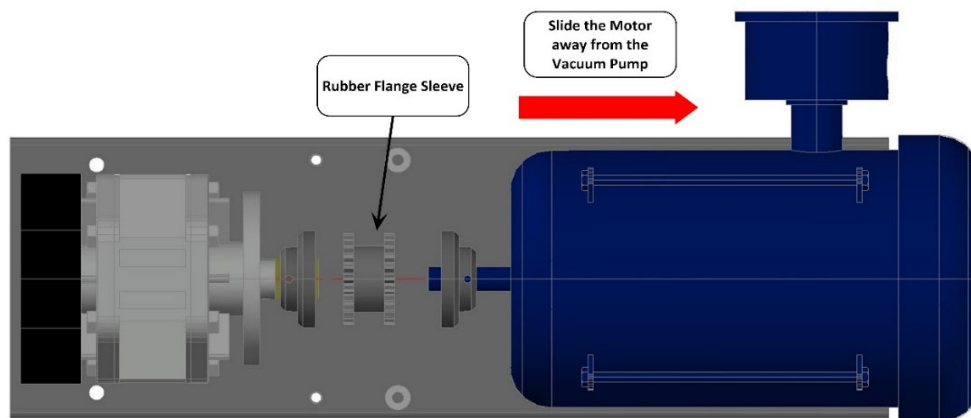
Figure 9-12: Vac Pump Rubber Flange Sleeve Replacement



9.5.2 Replacing the Rubber Flange Sleeve

See Figure 9-13.

1. Insert a new rubber flange sleeve and slide the motor back to its original position.
 - Make sure the motor-side drive coupling is snug (not tight) against the rubber flange sleeve.
2. Replace any shims that moved while moving the motor.
3. Re-install and tighten the 4 motor mounting bolts to the base plate. Make sure the Motor Shaft and Vacuum Pump shafts are in alignment.
4. Re-install the 2-bolts holding the Internal Junction Box stand to the GREEN MACHINE base.
5. Re-install the fan guard over the coupling flanges.
6. Put the cover on the GREEN MACHINE and lock the hasps.
7. Remove the lock(s) and tags from the lockout & tagout.
8. After the work is completed, turn ON power to the VST Control Panel. The GREEN MACHINE is now operational.



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Figure 9-13: Replacing the Rubber Flange Sleeve