

2"-12" Remote Tool Maintenance Instructions

Warning: Before performing maintenance disconnect from electrical power.

PROCEDURE FOR REPLACING CHAIN OR SPROCKET

- Use a $\frac{3}{16}$ " Allen wrench to remove Allen screw holding PVC vacuum tube to the grinding housing.



- Use a Phillips screwdriver to remove screws holding vacuum tube to vacuum housing. The lid is difficult to remove; grasp the tube and rotate it back and forth while pulling outward.

- There are two shafts between the vacuum housing and the grinding drum. They drive the grinding drum and vacuum impeller. Insert the tip of a flat screwdriver into the notch in the end of the impeller shaft. At the same time, turn the impeller counter-clockwise to remove.



- Remove the two $\frac{3}{16}$ " Allen screws inside the vacuum housing at the base with the Allen wrench.



REPLACING DAMAGED PARTS

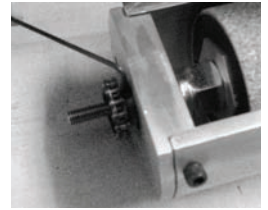


The above photo shows the vacuum chain drive assembly. If replacement parts are not available, remove the chain from the drive assembly and the tool will still function but the vacuum will not work.

The chain must be removed before replacing the sprockets. Simply disconnect the master chain link and replace damaged parts with new parts. If the sprocket on the impeller shaft is damaged, insert a flat blade screw driver into the notch in the

shaft. Turn the sprocket counterclockwise to remove. Place new sprocket on the shaft with the teeth away from the grinding drum guard. Then turn the new sprocket clockwise while the screw driver is inserted in the notch of the shaft.

To replace the sprocket on the grinder shaft, loosen the set screw in the sprocket and slide it off the grinder shaft. Put the new sprocket onto the grinder shaft, with the set screw toward the grinder housing. Ensure the set screw lines up with the detent on the shaft. Tighten set screw, do not over tighten, then replace the chain and secure with the master link.



PROCEDURE FOR REPLACING GRINDING DRUM SLEEVE

If the grinding drum sleeve is not removed then skip to REASSEMBLING THE VACUUM HOUSING.

Remove the grinding drum housing to expose the sleeve. Use a $\frac{3}{16}$ " Allen wrench to remove the four Allen screws connecting the grinding drum guard to the head of the tool.



The guard fits tightly onto the tool head. To remove the guard, hold the tool head while moving the guard back and forth. When the gap between the guard and the tool head is large enough, use a flat blade screw driver to pry off the guard.



REPLACING GRINDING SLEEVE

Use a $\frac{3}{16}$ " Allen wrench to hold the nut at the back of the grinding drum (toward the tool head) and a crescent wrench to loosen the nut at the front of the drum.



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Use a flat blade screw driver to pry the cone out of the collets inside the grinding drum.



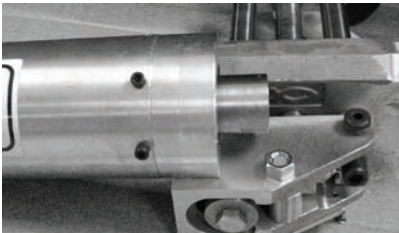
Slide the old grinding drum sleeve off the collets and replace with a new one.



Align the cone into the collets and use a $\frac{3}{4}$ " wrench to hold the nut at the back of the grinding drum (toward the tool head) and a crescent wrench to tighten the nut at the front of the drum. Do not over tighten the nut.

REASSEMBLING GRINDER HOUSING

Align the screw holes on the grinder housing with those on the tool head. Use the $\frac{3}{16}$ " Allen wrench to tighten the screws. The two longer screws should be placed in the middle.



Place the grind shaft sprocket on with the set screw toward the grinder housing making sure the screw lines up with the detent on the shaft. Do not over tighten the screw. Replace the chain and secure with the master link.

Follow the steps under replacing chain or sprocket in reverse order to reassemble the vacuum housing to complete reassembly of the tool.

REASSEMBLING THE VACUUM HOUSING

When reassembling the vacuum housing, make sure the holes at the bottom of the housing match up with the ones on the end of the grinder housing. Use the $\frac{3}{16}$ " Allen wrench to tighten the Allen screws at the base of the housing.



To remount impeller, insert a flat blade screw driver into the notch of the impeller shaft while turning the impeller clockwise. Do not over tighten the impeller.

Insert the vacuum housing lid in the vacuum housing aligning the holes for the screws in the lid with the ones in the housing. The hole in the end of the vacuum tube should line up with the one on the grinder housing. Use a Phillips screw driver to thread the screws into the vacuum housing and lid. Use the $\frac{3}{16}$ " Allen wrench, to tighten the Allen screws that connect the vacuum tube to the grinder housing.



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