



All Dremel and Black & Decker Wizard (except flex shaft) Rotary Tools Adaptor Kit



Inventory

Take inventory to make sure that the Dremel and Black & Decker Wizard Rotary Tools adaptor kit includes the following:

- Metal adaptor made to fit all Dremel (except flex shaft) and Black & Decker Wizard Rotary Tools
- Stainless steel nozzle tube
- 2" metal clamp
- (4) cable ties
- Charcoal disc used in conjunction with the .1 micron filter bad to filter odors (**Option 1**)
- Extra 10 micron filter bag (**Option 2**)

Option 1 is a combination of a .1 micron filter bag and a charcoal disc. It filters particles as small as .1 microns and the charcoal disc helps to filter odors. Both the filter and the disc are ordered together. To order reference part #070026.

Option 2 filters particles as small as 10 microns. It is a more economical filter system, but must be changed more often because it is a smaller filter. The filter is ordered in a set of 25 filter bags. To order reference part #070058.



Figure 1

To remove and install a filter bag, remove the bonnet assembly from the vacuum by unlatching the two latches.

Remove the vacuum bag from the gray filter mount found on the inside of the bonnet assembly. Replace with a new filter bag by fitting the elastic on the 10 micron bag or the plastic coupling on the .1 micron bag over the gray filter mount (**Figure 2**).



Figure 2

➡ *The filter is larger than the gasket around the motor so it make need to be tucked into fit.*

▼ *Do not clean and reuse the filters; lifespan of the vacuum will be shortened and warranty voided.*

▼ *Check and change filters regularly; according to usage.*

➡ *Both types of filters can be ordered at varying quantities from MTI, Inc.*

If the .1 micron filter bag is being installed, the charcoal disc also must be installed with the black side up over the vacuum motor (**Figure 3**).



Figure 3

Installation

The adaptor kit was specifically made for all Dremel (except flex shaft) and Black & Decker Wizard rotary tools.

1. The hose must be installed on the nozzle. To install follow these steps:
 - Using a Phillips head screw driver, loosen the screw on the adaptor so that the nozzle and drill can fit through the designated holes (**Figure 4**).
 - Slip the provided drill adaptor over the vacuum nozzle.
 - Insert the nozzle 2" inside the gray corrugated hose (**Figure 4**).

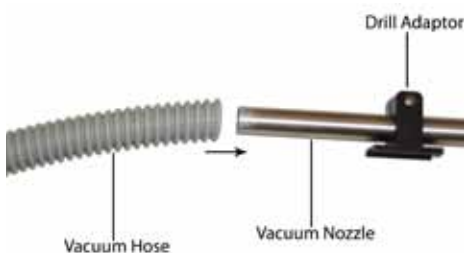


Figure 4

➡ *Some lubricant may be needed to help the hose fit onto the nozzle.*

2. Using a flat head screw driver, loosen the 2" metal clamp by turning the screw counter clockwise (CCW) until the opposite side of the clamp is free from the lock (**Figure 5**).



Figure 5

3. Pull the opposite side of the clamp away from the lock and insert it into the Dremel Flex adaptor (**Figure 6**).



Figure 6

4. Slide the 2" metal clamp over the rotary tool to a desired location (**Figure 7**).



Figure 7

5. Using a flat head screw driver, tighten the 2" metal clamp by turning the screw clockwise (CW) until it is tight against the rotary tool.
6. With the adaptor slightly loosened, rotate the stainless steel nozzle approximately 15° to the right of the bit (**Figure 8, 9**).



Figure 8

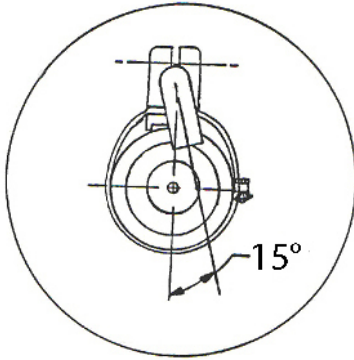


Figure 9

➡ *The bit spins counter clockwise (CCW) pushing the particles to the right of the bit. With the stainless steel nozzle angled to the left, the suction is directed toward the particles.*

7. After adjusting the nozzle and drill, tighten the Phillips head screw on the adaptor.

➡ *Fine adjustment of the drill and nozzle may need to be made for best results.*

8. Using the nylon cable ties enclosed, position the power cord along the gray corrugated hose, being sure not to tighten too tightly and infringe on the tubing air flow.

9. Plug the power cord of the drill into the female plug located on the side of the vacuum electrical control box, or on the female plug/switch panel on the right or left side of the MTCDV-2 mobile cabinet with vacuum.

➡ *If the drill is cordless, please skip steps 7 through 9.*

Operation

10. Refer to the instructions from your drill for operational instructions.

11. Use the control switch of the Dust Vac, which is located on the top of the electrical control box on the free standing model DV-1 or on the plug/switch panel located on the right or left side of

the MTCDV-2, to turn the vacuum and drill on or off. It is used to turn the vacuum and the drill on simultaneously or the vacuum alone.

➡ *When the vacuum switch is activated the drill will also turn on, if the switch on the drill is in the "ON" position.*

➡ *If the drill switch is in the "OFF" position, only the vacuum will be turned on for safe clean-up of the deburred area.*

12. As shown in Figures 8 and 9, the nozzle of the vacuum is angled 15° to the right of the drill bit for maximum suction control. For optimal results, angle the dust particles to the right of the bit.

13. The filter bag is located under the white plastic bonnet and should be changed periodically, depending on use. A clogged bag will reduce the air flow into the vacuum and consequently not capture as much debris as it was designed to do.

➡ *When changing the filter, it is important to hold the bonnet up with the bag hanging down, so that the dust does not spill back into the bonnet and hose.*

▼ *Do not clean and reuse the filters; lifespan of the vacuum will be shortened and warranty voided.*



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