

Turbine Motor Brush Replacement Kit

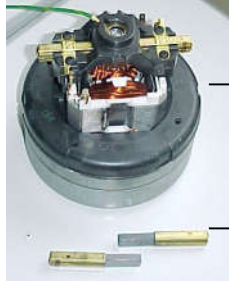
Instruction applies to PNs:

AB022, AB036, AB112, AB113, AB114, AB116, AB117, AB118, AB120, AB124

For Video clip to see how its done: <http://www.quattroair.com/jetstream-Brushes.html>

Following images are for illustration purposes only. YOU DO NOT HAVE TO REMOVE TURBINE FROM UNIT TO CHANGE BRUSHES

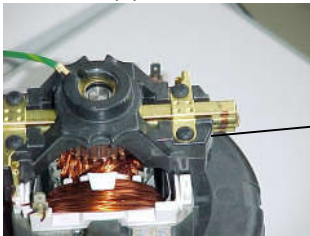
a) **DISCONNECT POWER BEFORE ACCESSING MOTOR.**



120-volt or 230v turbine

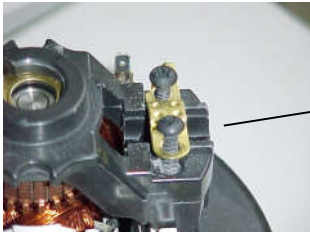
Replacement Brushes/Rods

b) There are (2) rods on each motor and (2) Phillips screws holding down each rod.



Phillips Screws, holding down rod

c) - On each rod, unscrew the (2) Phillips screws; - Lift up the brass bracket holding down the rod;
- The rod will pop up, towards the brass bracket; - Lift the rod up and out



Replace new rod here

d) - Replace with new rod - Ensuring small tab is facing down (towards turbine)
- Squeeze brass housing towards center of turbine until tab pops into slot



Tab on Rod must face down towards turbine

e) Screw down the Phillips screws

f) Run the unit with the hose disconnected for 20 minutes at minimum speed. This is a break in period for the brushes and is needed to properly seat the brushes and to promote longer motor life.

Failure to follow proper blower maintenance procedures can result in damaged motors, not covered under warranty.

For Larger Brush Quantities, order the following Brush Kits:

STD: AB112 & AB113-Brush Kit,2/pk AB114-Brush Kit,4/pk AB116-Brush Kit,6/pk AB118-Brush Kit,8/pk AB120-Brush Kit,20/pk

Interruption Type: AB022- Brush Kit,2/pk AB124-Brush Kit,4/pk AB117-Brush Kit,6/pk AB036-Brush Kit,8/pk

RESETTING MICROPROCESSOR TIMERS

Applies to Board Rev #: **All Revs Prior To Rev 17.0**

Resetting “Service Motor(s)” (or Crystal Rods Pre Alert) Alarm (Second LED From The Top)

- 1- Unplug all Remotes, DB9 Interface Cables & MC2 AutoStart Devices
- 2- Unplug power, wait 5 seconds
- 3- Plug power back, wait until Service Motor(s) (or Crystal Rods Pre Alert) LED illuminates
- 4- Press & HOLD Speed UP & Speed DOWN arrows until unit beeps
- 5- Press DOWN arrow ONCE, Service Motor(s) (or Crystal Rods Pre Alert) LED will flash slowly
- 6- Press & HOLD Power button until beeps and the Service Motor(s) (or Crystal Rods Pre Alert) LED goes out
- 7- VERY IMPORTANT: Do not touch any buttons until all LEDs go out
- 8- Press Power button, motor(s) should start, wait 30 seconds to see if Service Motor(s) alarm returns

If Service Motor(s) (or Crystal Rods Pre Alert) ILLUMINATES, the reset has not been completed, repeat all above steps.

If Service Motor(s) (or Crystal Rods Pre Alert) does NOT ILLUMINATE, reset is complete. All Remotes, DB9 Interface Cables & MC2 AutoStart Devices can be reconnected. It is recommended to operate the motor(s) at low speed for 20 minutes to properly break the new brushes in before putting the unit back into service.

If your unit is c/w “Quick Change” motor brushes, purchase replacement brushes to be ready for the next brush change.

RESETTING MICROPROCESSOR TIMERS

Applies to Board Rev #: **Rev 17.0 & Up**

- 1- Plug power back to the unit
- 2- Press & hold SPEED UP & DN simultaneously until unit BEEPS
- 3- Hold for 10+ seconds, when panel is beeping continuously, release buttons
- 4- You are now in RESET MENU, in this condition, “System ON” Led is FLASHING QUICKLY
- 5- Press SPEED DN (1 Time) until “**Service Motor(s)**” LED is FLASHING
- 6- Press & HOLD POWER button while “**Service Motor(s)**” LED is FLASHING & unit is BEEPING continuously
- 7- Release, when LED stops FLASHING & stops BEEPING

After resetting the “Service Motor(s)” Alert, the motor(s) will default to low speed. It is recommended to operate the motor(s) at low speed for 20 minutes to properly break the new brushes in.

If your unit is c/w “Quick Change” motor brushes, purchase replacement brushes to be ready for the next brush change.

