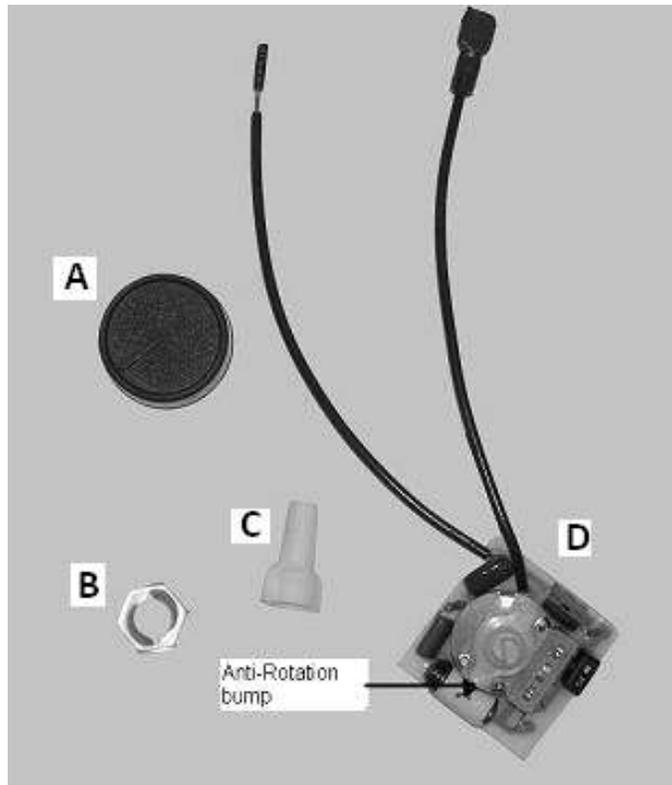


Customer Service 1-888-341-0782 ext 218

Speed Control Kit

For Use with Excel, Compact, Centrex, WCM, Centrex 1000 to sn 50301, Centrex 2000, Centrex 3000, Centrex Plus



Parts In Kit

- A – Speed Control Knob
- B - Locking Nut
- C - Wire Connector
- D - Speed Control

Required

- Phillips Screwdriver (Post 2002 units)
- Robertson Screwdriver (Pre 2001 units)
- 3/8" Drill Bit
- 5/32" Drill Bit
- Sharp Knife
- Wire Cutters/Strippers
- Silicone Caulking
- Putty Knife
- Power Drill

Note: Disconnecting The Vent Pipe May Be Necessary

If the speed control is being installed on an Excel or Compact, it may be necessary to disconnect the vent pipe so that the toilet may be moved away from the wall to provide space to work. If the vent was sealed with silicone, slice the silicone seal with a sharp knife and pull the vent from the fan assembly. If the connection of the vent was glued, you will need to saw through the vent with a hacksaw.

Installation Instructions

1. Use the putty knife to pry off the dome shaped covers on the corners of the fan door.
2. Remove the screws from the four corners of the fan door and set aside for reuse.
3. Gently pull the fan door away from the toilet.



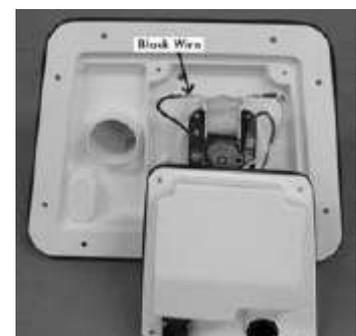
4. Use the 3/8" drill bit to drill a hole through the large divot in the fan door. Use the 5/32" drill bit to drill a hole through the smaller divot for the anti-rotation bump of the speed control (shown right).



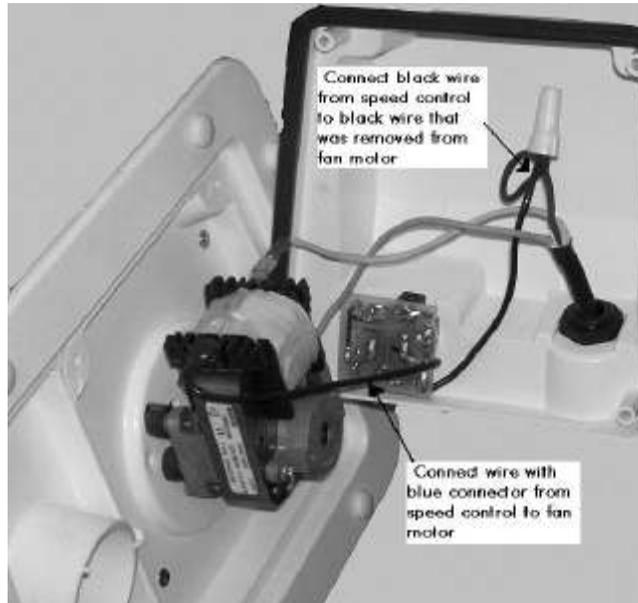
5. Insert the speed control shaft through the drilled 3/8" hole in the fan motor cover and rotate until the anti-rotation bump (see speed control picture at top of page 1) is in the 5/32" drilled hole. This will prevent the whole assembly from turning when the knob is turned.
6. Install the locking nut over the shaft from the outside of the fan motor cover and twist to tighten.
7. Place the knob over the speed control shaft.

Wire Connection

1. Gently pull the small spade connector attached to the black wire from the post on the motor (see picture at right).



2. Cut the spade connector from the black wire that was removed from the fan motor. Use wire cutter/stripper to strip the black wire casing from the end of the black wire, exposing the copper wire.
3. Twist the copper end of the black wire together with the exposed copper end of the black speed control wire in a clock-wise direction. Twist the yellow wire connector over the join in a counter-clockwise direction.



4. Gently push the small, blue, spade connector attached to the unused speed control wire over the post on the fan motor from where the black wire was removed in step 1.
5. Place the fan motor cover over the fan motor. Replace the four screws that were removed in step 3 of the installation instructions and install the four dome-shaped covers over the screws.
6. Plug the unit in to test. Before re-attaching the vent, plug the unit in and rotate the speed control knob. When the knob is turned to the far right, the fan should be at full speed. When the knob is turned to the far left, the fan will be off.

Reinstall The Vent

1. Attach the vent pipe to the unit. If disconnection of the vent pipe necessitated sawing through the vent and/or waste pipe, use the appropriately sized coupling to reattach.
2. Ensure that all connections are sealed with silicone.