

TECHNICAL SUPPORT

FLOOR MACHINES

Troubleshooting

IMPORTANT: Make sure power to the motor is disconnected and capacitors are discharged before servicing the motor. Failure to do this may result in serious injury or death.

Problem:		Possible Causes:	Solutions:
Plug on the power cord doesn't light up when plugged in.		Problem with the power cord.	Replace power cord. 25': Part # E532 ; 75': Part # E378
		Burnt out light.	No action needed or replace power cord. 25': Part # E532 ; 75': Part # E378
Plug lights up when plugged in but machine does not turn on.		Wires connecting to the switch may be loose or disconnected.	Open up the faceplate on the handle and check the switch for loose or disconnected wires. Re-connect any loose wires.
		Bad power switch.	Replace switch. Part # H167
Motor does not start.		Bad start capacitor. If you can start the motor by spinning it by hand then the start capacitor is bad.	Replace start capacitor. Part # E376
Motor starts but does not continue running.		Run capacitor is bad.	Replace run capacitor. Part # E375
Motor is drawing too many amps and blowing breakers.		Power cord is defective or damaged.	Replace power cord. 25': Part # E532 ; 75': Part # E378
		Power switch has shorts or loose connections.	Replace power switch. Part # H167
		Power cord from the switch is defective or damaged.	Replace power cord. 25': Part # E532 ; 75': Part # E378
		Stationary speed switch is bad.	Replace stationary speed switch (see next page). Part # E377
Machine is blowing the circuit breaker. Breaker pops immediately or very quickly.	Breaker blows the circuit breaker immediately.	Problem with the start capacitor on the motor.	Replace the start capacitor. Part # E376
	Machine runs for a second or two, pops the breaker, and clicks.	The motor is switching from the start to the run capacitor. If the circuit breaks when it clicks over, there is a problem with the run capacitor.	Replace the run capacitor. Part # E375
Machine is blowing the circuit breaker. Unit turns on and runs for more than a second or two, and then blows the breaker.		Bad winding in the motor causes it to short out as the windings heat up.	Replace the motor. Applies to AC motors with dual capacitors. Part # C314 or C314-SD

Replacing the Stationary Speed Switch

Part #E377

This should be done if the motor is drawing high amps at startup, which could blow circuits.

This procedure applies to the following machines:

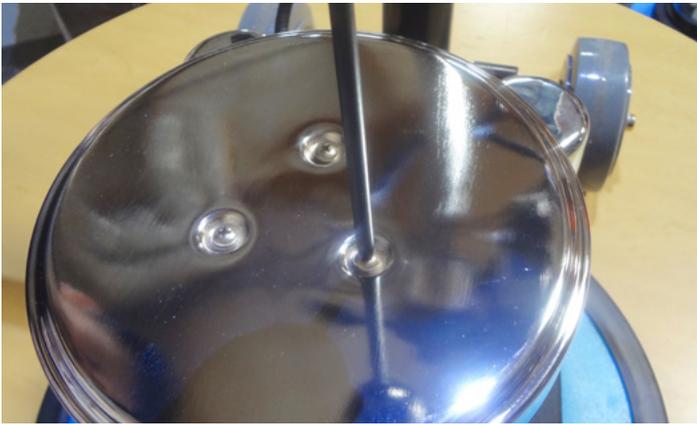
- HD-17 PowerGlide™

This procedure applies to the following discontinued machines:

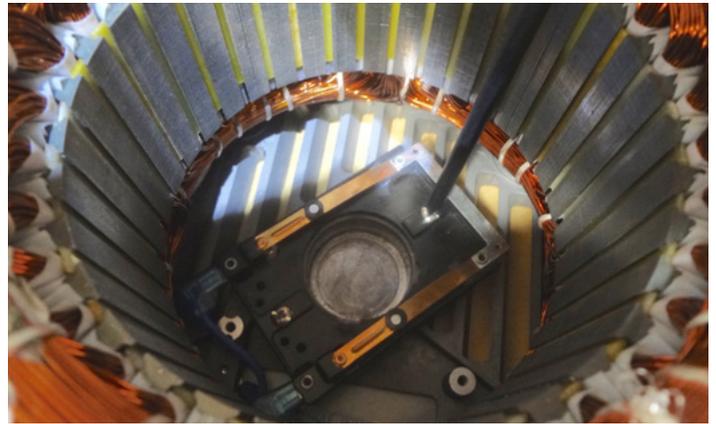
- HD-20 PowerGlide™
- SD-17 & SD-20 DiamondHead™
- RD-13 UltraGlide™

Tools Needed:

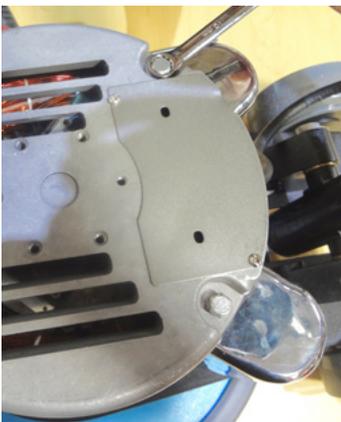
- 10mm box ended or combination wrench
- Phillips screwdriver



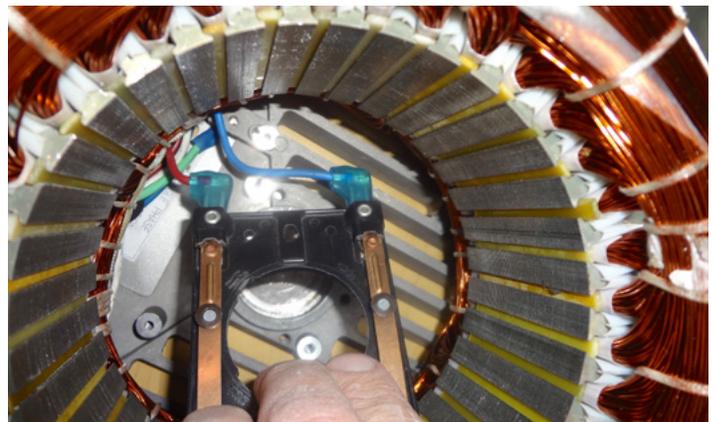
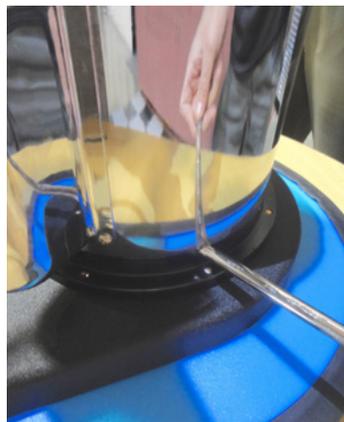
Step 1: Remove the chrome motor cover by removing the three screws that retain it and lifting it off.



Step 3: Remove old stationary speed switch by removing the two screws that retain it. Unplug wires.



Step 2: Remove the motor housing by removing the four shoulder bolts from the top of the motor. You may need to pry the motor housing from the gearbox at the bottom in order to lift it off.



Step 4: Install new switch by replacing wires in same order (as shown in photo) and replacing screws.

Step 5: Reassemble the motor housing to the gearbox and test motor.

Replacing Capacitors

It is very important that the replacement capacitor have the same microfarad (uF) as the original on your machine. The volts on the replacement can be higher than the original, but not lower.

You can locate the microfarad (uF) and volts (V) on the original capacitor shown in **Figure A**.



Compatible Replacement Parts

<p>E375</p> 	<p>E376</p> 	<p>E377</p> 
<p>Run Capacitor</p>	<p>Start Capacitor</p>	<p>Stationary Speed Switch</p>

Switching Between 17" and 20" Shrouds

Mytee's 17" floor machines come packaged with a 20" shroud that is interchangeable with the 17" one pre-installed on the machine. You can easily switch between the two shrouds by following the steps below.

Tools Needed:

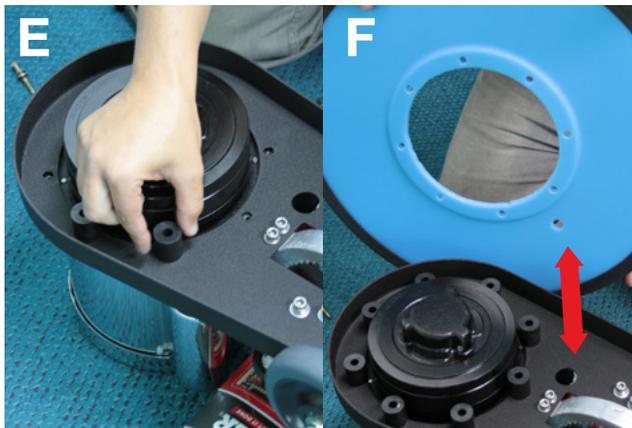
- 7/16" socket or wrench
- Something to prop up the handle



Step 1: Lower the handle all the way to the floor (**Figure B**). Flip the machine over and prop up the handle (**Figure C**).



Step 2: With a 7/16" socket or wrench, remove the 8 bolts holding the shroud in place. Remove the shroud (**Figure D**).



Step 3: Align the spacers with the threaded holes (**Figure E**). Place the new shroud on the machine. Make sure the holes for the shampoo hose are aligned (**Figure F**).



Step 4: Slide the bolts and washers into place and hand-tighten. Follow up with your 7/16" socket or wrench, tightening in a star pattern (**Figure G**).