

TECHNICAL NOTE

■ Speed Adjustment

Rework instructions for the adjustment of a speed control that has been determined in need of adjustment.

■ Rework Instructions

USE APPROPRIATE CAUTIONS WHEN WORKING WITH ELECTRICAL COMPONENTS

1. Make sure that the power input has been removed and the On/Off switch is in the Off position.
2. Remove the prefilter from the fan filter unit (FFU).
3. Place a reflective tape on the blower wheel, per standard procedures.
4. Remove the screws to the electrical box cover and remove the cover from the FFU.
5. Remove the speed control (TRIAC) knob.
6. Remove the screws that hold the speed control to the electrical box.
7. Pull the speed control away from the electrical box, far enough to access the minimum speed pot adjustment screw.
8. Attach the appropriate input power to the FFU.
9. Turn the On/Off switch to On.
10. Turn the speed control stem to the lowest speed.
11. Using a photo-tachometer, measure the RPM value. Make adjustments to the minimum speed pot, as required, to achieve 50% (target number) of the motor's rated RPM (-0%/+5% of the target number).

For example, a motor with 1075 rated RPM = target values of 538-565 RPM (538 equals 50% of rating and 565 equals the +5% of 538).

