Kodak

Magnus VLF MCU

Replacing the Plenum Blower

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1. OVERVIEW

Substitute plenum blower motors were installed on some production devices due to a shortage of the regular blower motors—see FCO CA11802. The devices affected are as follows: MT273, MT275, and MT277 had Oriental motors installed (M1665D); MT268, MT270, and MT272 had EBM G2E146-BF01 motors installed.
These devices may experience slip sheet separation issues.

This procedure describes how to replace the substitute motors with the regular motors (500-00946B).

2. REPLACING A SUBSTITUTE PLENUM BLOWER MOTOR

1. Type `>>cassette position 1` to lower the cassettes in the MCU.
2. Turn the device main power switch to the **OFF** position.
3. Open the MCU's rear service doors to get access to the plenum blower motor.
4. Install the support bracket on the replacement blower using four M6 bolts (52-3120), nuts (52-4247), and washers (52-4317).
   For left eject configurations, the pem nuts on the bracket must be on the side of the blower motor with the exposed fan (left photo).
   For right eject configurations, the pem nuts must be on the cable exit side of the blower (right photo).




5. Remove the substitute blower from the inside of the plenum on the MCU. There are two screws and a cable connector on the inside of the plenum, and two screws on the outside of the plenum.

6. Install the new blower with two M5 screws and Belleville washers (52-3125 and 52-4753).



7. Connect the blower motor cable. If the MCU cable does not reach the blower motor cable, you may need to cut some cable ties along the cable bundle to gain some cable length. Use cable ties to secure the cable bundle again.

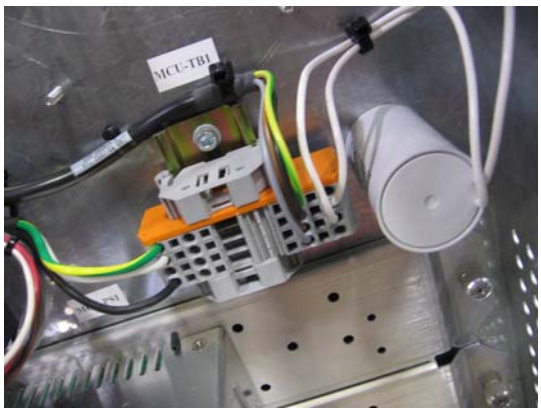


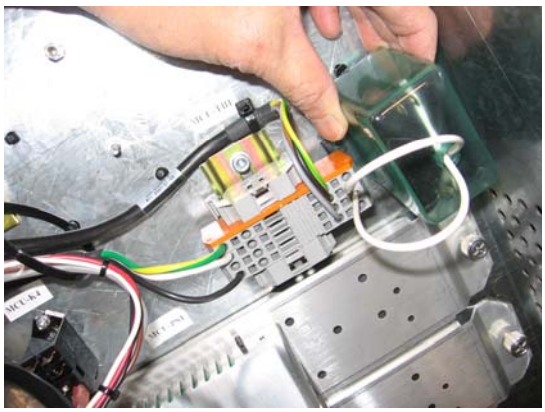
8. On the outside of the MCU, install the other two M5 screws and washers that secure the blower motor.



9. Remove the MCU power box panel.

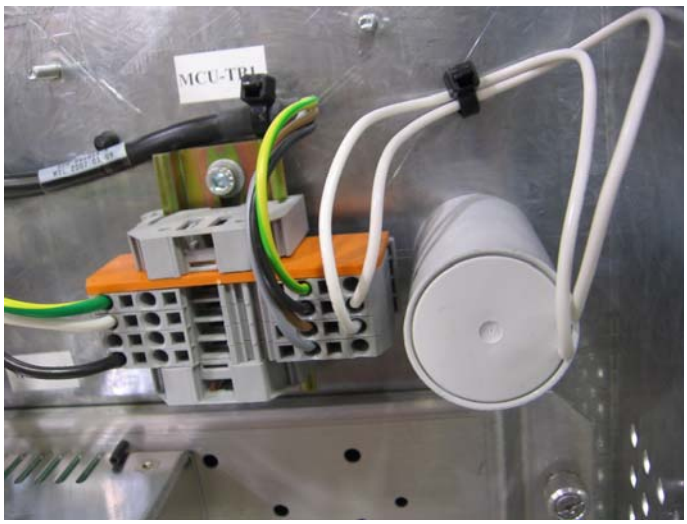
10. Locate the motor capacitor inside the MCU power box.
    If the substitute motor was a type EBM G2E-146-BF01-35, then the capacitor will be a 5 µF tubular type capacitor (left photo).
    If the substitute motor was the oriental type MB1665-D, then the capacitor will be a 8 µF cube type capacitor (right photo).





11. Note the location of the capacitor wiring in the terminal block alongside it and disconnect the two wires. Remove the nut on the back of the power box that secures the capacitor in place and remove the capacitor.

12. Install the new 6 µF capacitor with the star washer nut on the back of the MCU power box. Connect the two white wires in the same location on the terminal block that the other capacitor wires were removed—see below.



13. Install the MCU power box panel and close the MCU rear doors.

14. Turn the device's main power switch to **ON**.