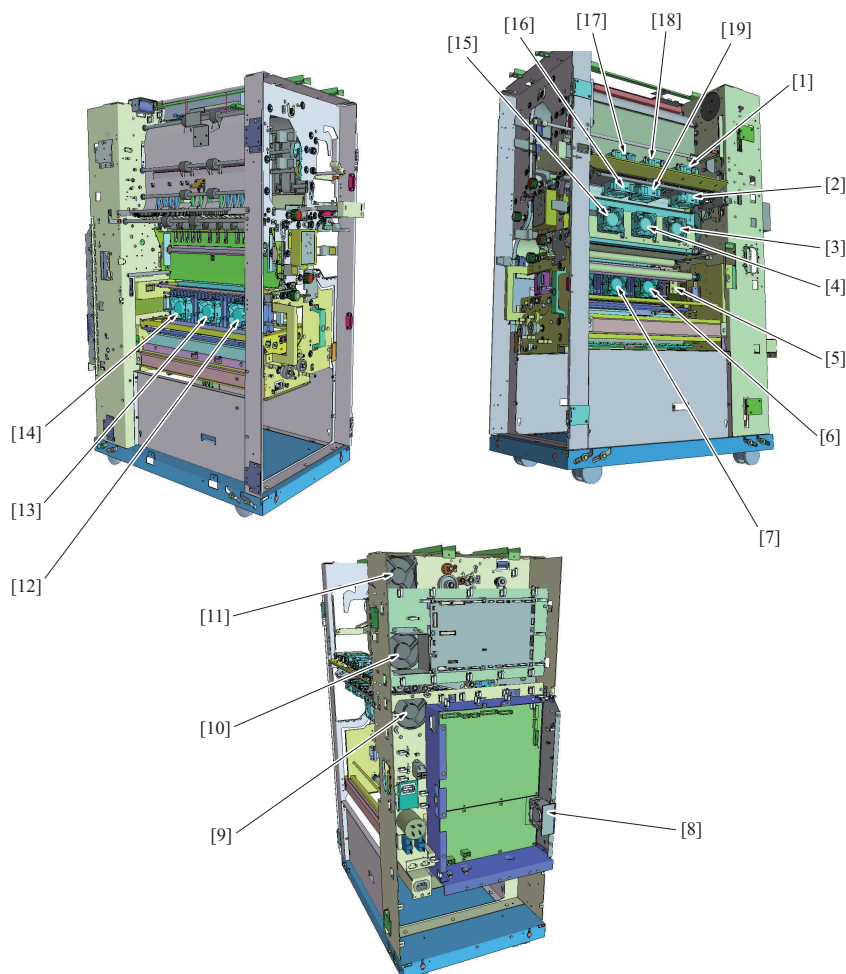


## PE THEORY OF OPERATION RU-509/HM-102

### 7. OTHER CONTROLS

#### 7.1 Fan control

##### 7.1.1 Configuration



[1] Entrance paper fan /3 (FM3)	[2] Entrance paper fan /6 (FM17)
[3] Entrance paper fan /9 (FM20)	[4] Entrance paper fan /8 (FM19)
[5] Humidification section paper fan /4 (FM9)	[6] Humidification section paper fan /5 (FM10)
[7] Humidification section paper fan /6 (FM11)	[8] Power supply fan (FM14)
[9] Ventilation assist fan /3 (FM21)	[10] Ventilation assist fan /2 (FM5)
[11] Ventilation assist fan /1 (FM4)	[12] Humidification section paper fan /3 (FM8)
[13] Humidification section paper fan /2 (FM7)	[14] Humidification section paper fan /1 (FM6)
[15] Entrance paper fan /7 (FM18)	[16] Entrance paper fan /4 (FM15)
[17] Entrance paper fan /1 (FM1)	[18] Entrance paper fan /2 (FM2)
[19] Entrance paper fan /5 (FM16)	-

##### 7.1.2 Control

###### (1) Entrance paper fan

###### (a) Purpose

- The entrance paper fans /1 (FM1), /2 (FM2), and /3 (FM3) blow air to the entrance conveyance rollers /1 and /2 and the conveyance guide plate to cool down.
- The entrance paper fans /4 (FM15), /5 (FM16), and /6 (FM17) blow air to the driven roller of the entrance conveyance rollers /1 and /2, and the conveyance guide plate to cool down.
- The entrance paper fans /7 (FM18), /8 (FM19), and /9 (FM20) blow air to the driven roller of the entrance conveyance roller /3, and the guide plate to cool down.
- The equally-spaced rollers which are mounted in the main scan direction area cool paper uniformly to prevent the wax unevenness.

###### (b) Operation timing

- Each fan turns ON when receiving a print job and turns OFF at printing end.

**(2) Humidification section paper fan****(a) Purpose**

- In humidifier ON mode, the humidification section paper fans /1 (FM6), /2 (FM7), /3 (FM8), /4 (FM9), /5 (FM10), and /6 (FM11) blow air to paper to remove water which remains on paper.
- In humidifier OFF mode, it cools paper.

**(b) Operation timing**

- Each fan turns ON when receiving a print job and turns OFF at printing end.

**(3) Ventilation assist fan****(a) Purpose**

- The ventilation assist fans /1 (FM4), /2 (FM5), and /3 (FM21) exhaust heat remains in the RU.

**(b) Operation timing**

- Each fan turns ON when receiving a print job and turns OFF at printing end.

**(4) Power supply fan****(a) Purpose**

- The power supply fan (FM14) exhausts heat in the DC power supply (DCPS).

**(b) Operation timing**

- FM14 turns ON when the sub power switch turns ON. It decelerates to 50% during standby and switches to 100% when receiving a print job.