Knowledge Data Base (KDB No.: KB0000005 / Status: Close)

Model:
Di620
Problem Machine:
Di620
Title:
PC Drum Paper Seperator Marks
Symptom:
Paper Transport / PC Drum wrap around Paper JAM Detection Sensor
Symptom Explanation:
PC Drum Paper Seperator Marks

Notice:
PC Drum Paper Seperator Marks is registered as non-supproted matters and it is difficult to solve this problem completely. Therefore in order to reduce the occurance of this problem as much as possible, the following information is offered .

<The corrective action when PC Drum Paper Seperator Marks Occurs>

1. Switch the DIP SW "ON or OFF" position in the Image Transfer Separation High Voltage Unit to make the difference between AC output and DC output optimum so that marking of the Separators can be eliminated.
[Side Effects]
If the difference is adjusted too large, AC mark will be reproduced.
[Attention]
VR attached in HV is used for rough adjustment in factory, so it is neccesary not to touch it.
If marking of the Seperators doesn't disappear by adjusting DIP SW, there is strong possibility that other factors influence greatly .)
VR101:Image Transfer VR302:1st side seperation VR301:2nd side seperation
VR201:Seperation(+)

2. Replenish the toner immediately with "Toner Replenisher " after having increased the ATDC control voltage by 0.3v.
[Reason]
Among the machines, TC ratio tends to be controlled at the lower side within the specified ratio. If TC ratio has decreased to 3.5% or less in such a machine, image stabilization control starts to work to make Vg high, which may result in the lower performance of Seperator.
In order to avoid working the image stabilization control, set the TC ratio to the higher side.
[Side Effects]
Amount of toner consumption:
There is no change since the ID is controlled within the specified level thanks to AIDC control.
Toner scattering:
It is confirmed that the level of toner scattering is within the acceptable

level. This is the
procedure to be taken if operation of the image stabilization control cannot be avoided.

3. Deterioration of Charge Wire sometimes causes the decrease of the difference in voltage.
Adjust the difference between AC output and DC output after having exchanged Charge
Wire.

< Factors of the lower performance of Separator>
When the following factors overlaps, the lower performance of Seperator is likely to appear
ramarkably after the occurance of marking of the Seperators.
Especially paper quality has a much effect on the occurance of this lower performance.
There is some cases in which machine cannot be repaired.
1.soft paper
2.creasy paper
3.moist paper
4.Image B/W ratio is small.
5.The surface potential of PC drum is high.
6.Paper has a curl which is along the curve of the drum

Temporary Measure:

CounterMeasure:

Cause:

Problem Rank:
C Check

Parts Modification Notice:
Ref.No.:

SW/FW Distribution:

Category:
PPC\Digital-B/W
Expand Machine:
D5200iD(Main Unit)
D6200iD(Main Unit)
Di520(Main Unit)
Di521(Main Unit)
Di620(Main Unit)
Di621(Main Unit)
Di620PE(Main Unit)
Cause Area:
Around PC Drum
Original Report:

Information Date:
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koji tokuyama/minolta