Subject: PF 전원 공급 PWB 의 전해 콘덴서 손상에 대한 시정 조치

Model: TASKalfa 7551ci, TASKalfa 6551ci

Classification: Field measures timing: ⮕ At Set Up ⮕ Next Periodic Maintenance ⮕ Next Visit/Service Call ⮕ Information only

Phenomenon: ☑ SC/Error ☑ Paper Feeding/Conveying ☑ Other ☑ Machine operation

Type of change: ☑ Hardware ☑ Firmware and Software ☑ Information

Remarks: Related SB: 2K3-0041 (G230), 2KZ-0034 (G231), 2MW-0020 (G201), 2MY-0014(G202)

Depending on the installation environment where the PF power supply noise that excess the rated voltage of the electrolytic capacitor on the PF power supply PWB repeatedly, if the machine main unit is in the condition of the following A or B, the electrical charge of the PF power supply noise applied repeatedly accumulates in the electrolytic capacitor on the PF power supply PWB, and there might be the possibility to damage the electrolytic capacitor.

A. The main unit is in the Energy Saver mode (Deep Sleep)
B. The main unit is in the Quick Recovery mode (Light Sleep)

If the electrolytic capacitor gets damaged, following phenomenon might occur.

<table>
<thead>
<tr>
<th>Communicated with when damaged</th>
<th>Phenomenon</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISU</td>
<td>System error F041 (Main PWB-Scanner engine communication error) turns on and inoperable until resolved</td>
<td>[Partial Operation] is not applicable to ISU and the error on this factor is not resolved without replacing the PF power supply PWB</td>
</tr>
<tr>
<td>DP</td>
<td>If damaged once after succeeding communication, service call error C9000 (Document processor communication error) turns on. DP is not recognized after power reset and inoperable. If damaged before communication with the optional unit, DP is not recognized and inoperable.</td>
<td>The main unit starts up by [Partial Operation] and other optional units than separated are operable.</td>
</tr>
<tr>
<td>DF</td>
<td>If damaged once after succeeding communication, service call error C8800 (Document finisher main program error) turns on. DF is not recognized after power reset and inoperable. If damaged before communication with the optional unit, DF is not recognized and inoperable.</td>
<td>Same as above</td>
</tr>
<tr>
<td>PF</td>
<td>If damaged once after succeeding communication, service call error C1800 (Paper feeder communication error) turns on. PF is not recognized after power reset and inoperable. If damaged before communication with the optional unit, DP is not recognized and inoperable.</td>
<td>Same as above</td>
</tr>
</tbody>
</table>

[Content of changes]
Add the discharge resistor in the both side of the electrolytic capacitor.
Field Measure: When the above phenomenon occurs, replace with the new PF power supply PWB (New No.1) and execute [Partial Operation] in U906.

Note: When replacing the power supply PWB, according to the following notes to perform.

N00101961; Q1803013

Parts Table

<table>
<thead>
<tr>
<th>No.</th>
<th>Old Part No.</th>
<th>New Part No.</th>
<th>Description</th>
<th>Q'ty</th>
<th>Compatibility</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>302K094250</td>
<td>302K094251</td>
<td>PARTS LVU MAIN 200 SP</td>
<td>1</td>
<td>1</td>
<td>X</td>
</tr>
</tbody>
</table>

Caution when replacing/handling the PF power supply PWB

In order to replace/handle the power supply PWB safely, please observe the following caution.

[Caution before replacing the power supply PWB]

* For the detaching/attaching procedure, refer to the service manual “chapter 4”.

Perform the following 1 to 4

1. Use the rubber gloves or the anti-static band before starting work. When using the anti-static band, connect the one end to the machine frame (metal section). (Refer to the [Fig.1] below)

   Note: When replacing the PF power supply PWB, make sure to perform the above 1 in order not to generate discharging phenomenon due to the static electricity.

2. Enter the maintenance mode and execute U203 > [High Speed] > [CCD ADP(Non-P)].

   Turn the main power off within 3 seconds after executing above.

   [Fig.1]

   Connecting location of the anti-static band

   Electrolytic capacitor

   Add the discharge resistor
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Note: By the above 2, the electrical charge accumulated in the electrolytic capacitor is discharged.

3. After performing the above 2, unplug the power cord located at the left side of the machine promptly.
4. Detach the rear cover and replace the PF power supply PWB. (Refer to the service manual “chapter 4” for the following procedure)

[Caution when handling the PF power supply PWB]
Do not touch the electronic components (excluding the connector) shown in the red frame on the power supply PWB. (Refer to the [FIG.2] to [FIG.5] below)

302K045021 – 01
MPW3076
CA7500001
MADE IN CHINA
MD3017500001

[Caution when discarding the used power supply PWB]
When discarding the power supply PWB, please wrap it with insulation so that it does not touch other metal parts.

Serial No. of Affected Machines

Currently, there is no production of the main unit.

It is possible to identify the power supply PWB if it is the new or old by the following method.

<table>
<thead>
<tr>
<th>Part name of the power supply PWB for the field service (New part number)</th>
<th>Affected serial number prefix (1st to 3rd digit serial number)</th>
<th>Identification of new and old</th>
</tr>
</thead>
</table>
| PARTS LVU MAIN 200 SP (302K094251)                                    | MD3                                                          | 10 digit code of the 1st line of QR code label affixed to the PWB  
10th digit of [302K04502*] is [1] and after: new PWB |

QR code label is affixed in the side of the capacitor (It is not possible to see with the above figure)