**Service Bulletin**

Ref. No. 2K9-0049 (I205)

**<Date> October 22, 2018**

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

**Model:** TASKalfa 7550ci, TASKalfa 6550ci

**Classification:**
- Field measures
  - timing: At Set Up
  - Next Visit/Service Call
  - Next Periodic Maintenance
  - 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 exceed the rated voltage of the electrolytic capacitor on the PF power supply PWB repeatedly, if the machine main unit is in either condition of the following A to C, 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)
C. Under the condition of the main power switch off, the power code plug is inserted in the external power source with reverse polarity.

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, PF 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. (Refer to the following page for the details)
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## 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>Compati bility</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>302K094250</td>
<td>302K094251 PARTS LVU MAIN 200 SP</td>
<td>1</td>
<td>1 X</td>
<td>O</td>
</tr>
</tbody>
</table>

**Field Measure:** When visiting the customer, check the condition of the electrolytic capacitor on the PF power supply PWB and if they are the top surface of the electrolytic capacitor is expanded such as the NG part as shown in the figure below, replace with the new PF power supply PWB (New No.1)

![Electrolytic capacitor: OK part](image1.png)  
![Electrolytic capacitor: NG part](image2.png)

Top surface is flat: OK  
Top surface is expanded: NG

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

## Content of changes

**[New power supply PWB]**  
(Mounting surface)  
(Solder surface)

Add the discharge resistor
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.

   ![Fig.1](image)

   Connecting location of the anti-static band

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.
   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)

![Fig.2](image)

![Fig.3](image)
[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.

<table>
<thead>
<tr>
<th>Serial No. of Affected Machines</th>
</tr>
</thead>
<tbody>
<tr>
<td>Currently, there is no production of the main unit.</td>
</tr>
<tr>
<td>It is possible to identify the power supply PWB if it is the new or old by the following method.</td>
</tr>
<tr>
<td>Part name of the power supply PWB for the field service (New part number)</td>
</tr>
<tr>
<td>PARTS LVU MAIN 200 SP (302K094251)</td>
</tr>
</tbody>
</table>

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