

# ATTENTION FIELD SERVICE TECHNICIAN

## Installation Technical Advisory

— Universal Application —

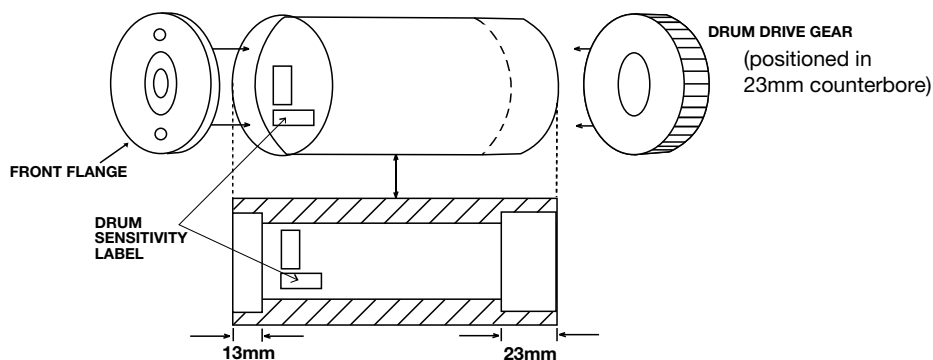
### Katun Amorphous Silicon (a-Si) Photoreceptive Drum for use in *ALL* the following Canon Copiers:

**NP-5020/5060/6060/6062/6080/6085/6150/6150 II/6285/6650/6650 II  
6650 II E/6650 II SF/6850/6880/6885/7050/7550/8070/8530/8570/8580/9085/9800**

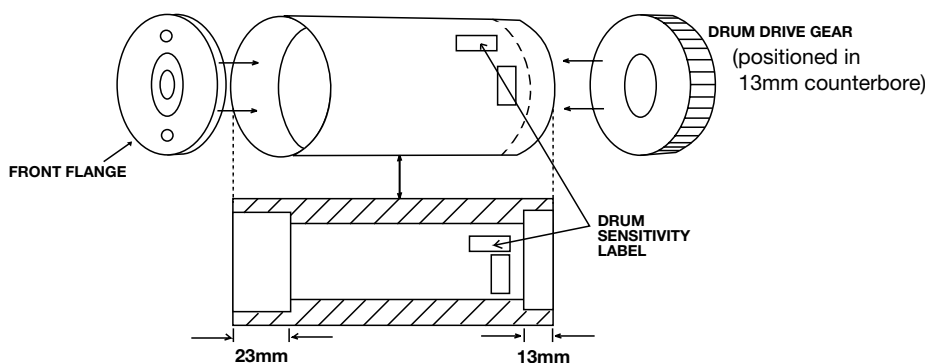
(Replaces the following OEM PNs: F43-0321-000, F43-0321-100, F43-0321-700, F43-0321-800  
F43-1802-000, F43-1802-700, F43-1802-800, F43-6101-000, F43-6101-100, F43-6101-600, F43-6101-700  
T6085, T6650, T7550)

To provide *universal application*, this Katun a-Si drum has been intentionally manufactured with different aluminum substrate counterbore dimensions than OEM drums. Proper installation of this Katun a-Si drum depends on the model, as shown below:

**For installation  
in Canon  
NP-5020/5060/6060  
6062/6085/6150/6150 II  
6285/6650/6650 II  
6650 II E/6650 II SF  
6850/9085 copiers:**



**For installation  
in Canon  
NP-6080/6880/6885  
7050/7550/8070  
8530/8570/8580  
9800 copiers:**



## **IMPORTANT!**

To achieve optimum performance using this Katun *universal* a-Si drum, all OEM- and Katun-recommended drum installation and adjustment procedures must be followed in proper sequence. This will also minimize the occurrence of problems such as: (1) light copies, resulting in service callbacks, and (2) corona wire arcing that damages the drum.

For a summary of OEM-recommended primary corona grid VR adjustment procedures, please see the reverse side of this Installation Technical Advisory.

If you experience a problem after following the Katun drum installation and OEM primary corona grid VR adjustment procedures: In the U.S.A., telephone 1-800-328-2965, extension 3297 for assistance. In Canada, telephone 1-800-634-5344, extension 3297. In other countries, telephone your local Katun office. Please reference this advisory when you call.

## — Universal Application — Katun Amorphous Silicon (a-Si) Photoreceptive Drum

### **Summary of OEM-recommended procedures for primary corona grid VR adjustment :**

#### **Canon NP-5020/5060/6085/6150/6150 II/6285/6650/6650 II/6650 II E/6650 II SF/6850/9085**

(Canon Service Handbook dated October 1988)

- 1) Ensure power is supplied to the copier. Start the drum heater and wait a minimum of 15 minutes.  
**(IMPORTANT! The drum must be sufficiently heated prior to performing surface potential and image adjustments.)**
- 2) Adjust corona wires to heights specified on door label, making sure both wires are adjusted to the same height.
- 3) Turn the **VR** on the primary corona **fully counterclockwise**.
- 4) Turn the **copier on**, input drum sensitivity value (\*3\*, DRUM\_SEL), and select **"GRID-ADJ"** in service mode (\*4\*).
- 5) Activate potential measurement by pressing the cassette selection key. For the NP-6085 PPC, press the "OK" key.
- 6) While the drum rotates, slowly adjust the primary corona **VR clockwise** until **DPOT** value is within **±30V of VDT** (Target Value).
- 7) *If you are unable to obtain the VD target voltage* (primary corona VR fully clockwise), adjust the height of the primary corona wire 0.5mm closer to the grid wire. (Ensure that ± tolerances specified on door label are maintained). Repeat procedures from step 3.
- 8) Press reset key and switch the copier off, then on.
- 9) Confirm in service mode (\*1\*) that the **VDM value** is within **±30V of VDT**. If not, repeat procedures from step 3.

#### **Canon NP-7050/7550/8070/8570** (Canon Service Handbook, dated July 1986)

- 1) Ensure power is supplied to the copier. Start the drum heater and wait a minimum of 15 minutes.  
**(IMPORTANT! The drum must be sufficiently heated prior to performing surface potential and image adjustments.)**
- 2) Adjust corona wires to heights specified on door label, making sure both wires are adjusted to the same height.
- 3) Turn the **VR** on the primary corona **fully counterclockwise**.
- 4) Switch **SW602** (primary current control) to **off**. Input drum sensitivity value (SW-608 for NP-7050/7550 PPCs; SV-2 for NP-8070/8570 PPCs).
- 5) Turn main switch off, then on to activate potential measurement.
- 6) Read the measured VD value in service mode 803 (\*1\*, SD-24 for NP-8070/8570 PPCs).
- 7) Adjust the **VR** of the primary corona **slightly clockwise** and go back to step 5. Repeat this procedure until the measured **VD value** is within **±30V of the VD target value**.
- 8) *If you are unable to obtain the VD target voltage* (primary corona VR fully clockwise), adjust the height of the primary corona wire 0.5mm closer to the grid wire. (Ensure that ± tolerances specified on door label are maintained.) Repeat procedures from step 3.
- 9) Switch **SW602** (primary current control) to **on**, and switch the copier off, then on.
- 10) Confirm in service mode 803 (\*1\*, SD-24 for NP-8070/8570 PPCs) that the **VD value** is within **±30V of the VD target value**. If not, repeat procedures from step 3.

#### **Canon NP-6080/6880/6885/8530/8580/9800** (Canon Service Handbook dated September 1990)

- 1) Ensure power is supplied to the copier. Start the drum heater and wait a minimum of 15 minutes.  
**(IMPORTANT! The drum must be sufficiently heated prior to performing surface potential and image adjustments.)**
- 2) Adjust corona wires to heights specified on door label, making sure both wires are adjusted to the same height.
- 3) Turn the **VR** on the primary corona **fully counterclockwise**.
- 4) Switch **SW602** (primary current control) to **off**.
- 5) Turn copier on, input drum sensitivity value (\*3\*, SV-2), and select **SS-12** in service mode (\*4\*).
- 6) Press (\*) key to activate potential measurement.
- 7) Adjust the **VR** on the primary corona **slightly clockwise** and go back to step 5. Repeat this procedure until the measured **VD value** is within **±30V of the VD target value**.
- 8) *If you are unable to obtain the VD target voltage* (primary corona VR fully clockwise), adjust the height of the primary corona wire 0.5mm closer to the grid wire. (Ensure that ± tolerances specified on door label are maintained.) Repeat procedures from step 3.
- 9) Switch **SW602** (primary current control) **on**. Switch the copier off, then on.
- 10) Confirm in service mode (\*1\*) **SD-24** that the **VD value** is within **±30V of the VD target value**. If not, repeat procedures from step 3.

#### **Canon NP-6060/6062** (Canon Service Handbook dated October 1991)

- 1) Ensure power is supplied to the copier. Start the drum heater and wait a minimum of 15 minutes.  
**(IMPORTANT! The drum must be sufficiently heated prior to performing surface potential and image adjustments.)**
- 2) Adjust corona wires to heights specified on door label, making sure both wires are adjusted to the same height.
- 3) If Version 10 EPROM Update Kit (DUO-0053-000; see Canon Technical Publication 6060-7, dated 7/29/92) or a newer EPROM has been installed in the copier, proceed to step 4. If an older EPROM is in the machine, it is necessary to disconnect the blank exposure lamp assembly connector before performing the grid adjustment procedure.
- 4) Turn the **VR** on the primary corona **fully counterclockwise**.
- 5) Turn copier on, input drum sensitivity value (\*3\*, DRUM\_SEL), and select **"GRID-ADJ"** in Service mode (\*4\*).
- 6) Press the OK Key. Drum will rotate for 30 seconds.
- 7) Enter service mode (\*1\*), and press the **down arrow** key once while drum is rotating. Slowly adjust the primary corona **VR clockwise** until **"DPOT"** value is within **±30V of VDT** (target value).
- 8) *If you are unable to obtain the VD target voltage* (primary corona VR fully clockwise), adjust the height of the primary corona wire 0.5mm closer to the grid wire. (Ensure that ± tolerances specified on door label are maintained.) Repeat procedures from step 4.
- 9) Press the reset key. If the blank exposure lamp assembly connector was disconnected, reattach the connector.
- 10) Switch the copier off, then on.
- 11) Confirm in service mode (\*1\*) that the **VDM value** is within **±30V of VDT**. If not, repeat procedures from step 3.