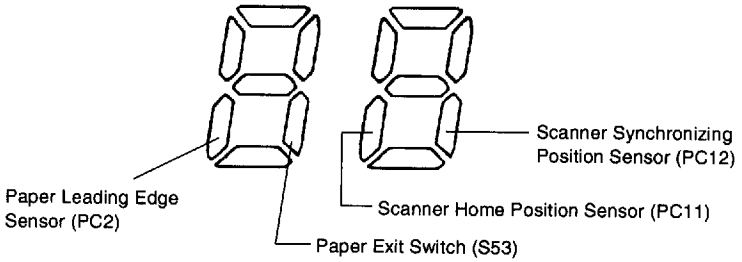
◆ Explanation of the Function Mode

F1: Paper Passage Test

- This mode is used to pass sheets of paper to carry out a copy cycle. Note that an image is not produced in this mode because the High Voltage Unit output is switched on but the grid output is off (grounded). The Copy Counters are not incremented, either.
- In this function mode, the Paper Leading Edge Sensor (PC2), Paper Exit Switch (S53), Scanner Home Position Sensor (PC11) and Scanner Synchronizing Position Sensor (PC12) can be checked. When any of the Sensors become active, the corresponding bar of the 7-Segment Display on the Control Panel is lit to indicate that the Sensor is normal. The relationships between the 7-Segment Display bars and the sensors are as follows:



F2: High Voltage Adjustment (Factory Use Only)

- In this mode, the charge/transfer output, grid output and bias output of the High Voltage Unit are switched on for 20 seconds. This mode is only used in the factory to adjust the outputs of the High Voltage Unit.

F3: Exposure Adjustment

- In this mode, the Exposure Lamp (LA1) turns on for 20 seconds. This mode is used for the adjustment of the maximum Lamp voltage. For details, see the Dis/Reassembly, Adjustment Part.

F4: Paper Leading Edge Adjustment

- This mode is used to vary the start timing of Synchronizing Roller rotation to match the leading edge of paper with that of an image. For more information, see the Dis/Reassembly, Adjustment Section.

F5: Missing Image Adjustment

- This mode is used to vary the grid output timing of the High Voltage Unit (HV1) to adjust the missing width at the leading edge of an image. For more information, see the Dis/Reassembly, Adjustment Section.

F9: Continuous Running

- This mode is used to perform a copy cycle without passing any sheet of paper. Note that the High Voltage Unit outputs, Exposure Lamp ON and jam detection control operations are not performed in this mode.

F : Display Test

- This mode is used to check the Display. When only " F " is being displayed on the Control Panel, depress the Start Key to enter this mode. The 7-Segment Display bars and Toner Empty LED are all lit, indicating that the Display is normal.

◆ Elements Energized in the Test Mode

The following electrical parts are energized/deenergized in the corresponding function modes:

Element	F1	F2	F3	F4	F5	F9
Paper Feed Clutch	O	—	—	—	—	—
Paper Synchronizing Clutch	O	—	—	—	—	—
Main Motor	O	—	—	—	—	O
HV Charge/Transfer Output	—	O	—	—	—	—
HV Grid Output	—	O	—	—	—	—
HV Bias Output	O	O	—	—	—	O
Temperature Control	O	O	O	O	O	O
Exposure Lamp	O	—	O	—	—	—
Scanner Check	O	—	—	—	—	O

O : energized
— : deenergized