6-2. AIDC Sensor Control

• There are five processes performed as the AIDC Sensor control:

AIDC Sensor variation adjustment	Optimum Exposure Lamp voltage correction (Exposure correction)
AIDC Sensor contamination correction	AE Sensor gain adjustment
Grid voltage (V_G) correction	

◆ Control of Each Process

[1] AIDC Sensor Variation Adjustment

This adjustment is made since the regular current control cannot cover part-to-part variations in the AIDC Sensor (installation, circuit, deterioration, etc.).

[Control]

• The AIDC Sensor LED is turned ON to illuminate the erased surface on the PC Drum.

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• The 4-bit analog switch selects the load resistance.

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• The output current from the AIDC Sensor goes through the load resistance selected in step (2) and the resultant voltage is applied to Master Board PWB-A.

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• The load resistance is switched so that the above voltage becomes 1 V or less, at which time, the analog switch setting is fixed.