[5] AE Sensor Gain Adjustment

The following two different types of controls are provided for the AE Sensor gain adjustment.

(1) The AE Sensor gain is adjusted when the F5 or FF test operation is run.

[Control]

- When the F5 or FF test operation is run, the Exposure Lamp is turned ON to illuminate a blank sheet of paper placed on the Original Glass with an optimum Exposure Lamp voltage.
  ↓
- The AE Sensor output voltage is applied to PWB-A.
  ↓
- The AE Sensor gain is varied so that the above voltage becomes 1.8 V ±0.05, thereby setting the pulse signal for the gain.
  ↓
- The Exposure Lamp is turned ON to illuminate the halftone patch on the back of the Original Width Scale with the optimum Exposure Lamp voltage.
  ↓
- The AE Sensor output voltage is applied to PWB-A and stored in memory.

(2) The AE Sensor gain is corrected as necessary according to the Exposure Lamp voltage changed as a result of "exposure correction."

[Control]

- After the "exposure correction" has been made, the Exposure Lamp is turned ON to illuminate the halftone patch on the back of the Original Width Scale with the optimum Exposure Lamp voltage.
  ↓
- The AE Sensor output voltage is applied to PWB-A.
  ↓
- The AE Sensor gain is adjusted so that the above voltage becomes the voltage value stored in memory when F5 was run.