(3) The correction is made to compensate for any drop in the reduced intensity of LA1 light occurring due to a contaminated optical system.

[Control]

- Whenever the cumulative time over which the copier has run exceeds the level equivalent to 5 K copies, PWB-A outputs a pulse signal for the Exposure Lamp voltage corrected last at the end of the last copy cycle for the above event.

↓

- LA1 is turned ON to illuminate the halftone patch on the back of the Original Width Scale and LA2 is kept OFF for a given period of time to produce a halftone pattern.

↓

- The AIDC Sensor output voltage is applied to PWB-A.

↓

- The Exposure Lamp voltage is varied so that the above voltage will fall within the target range. (This is done by changing the pulse signal for the Exposure Lamp voltage.)

(4) A correction is made for the intensity of LA1 light equivalent to the changes made in V_G by one-shot correction.

[Control]

- After V_G has been corrected in one-shot correction, PWB-A outputs a pulse signal for the Exposure Lamp voltage set at the last exposure correction.

↓

- LA1 is turned ON to illuminate the halftone patch on the back of the Original Width Scale and LA2 is kept OFF for a given period of time to produce a halftone pattern.

↓

- The AIDC Sensor output voltage is applied to PWB-A.

↓

- The Exposure Lamp voltage is varied so that the above voltage will fall within the target range. (This is done by changing the pulse signal for the Exposure Lamp voltage.)