(2) Manual Exposure Control

- When either one of the Exposure Control Keys on the control panel is pressed, it sets the copier into the Manual Exposure mode. In this mode, the copier permits the user to vary the Lamp voltage (i.e. the exposure level) in nine different steps.

<Operation>

Press the Exposure Control Key as necessary.

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Master Board PWB-A

The exposure level data is sent from the control panel to IC1A via MSC Board PWB-B through MINET communications.

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The exposure level data is then converted in IC1A to a pulse signal and output from pin 17 (P50/TA0) of IC1A. A LOW Exposure Lamp ON signal is output from pin 49 (APA1) of IC4A.

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Power Supply Unit PU2

The pulse signal is input to pin 3 of PJ19. According to this signal, PU2 sets the Lamp voltage (which can be varied in nine steps according to the exposure setting.)

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The intensity of the light emitted by Exposure Lamp LA1 becomes greater or smaller accordingly.

(3) Exposure Lamp LA1 ON/OFF Control

◆ **Exposure Lamp ON Timing**

- Exposure Lamp LA1 is turned ON T msec. after the PC Drum Charge Corona and Image Transfer Corona have been turned ON following the press of the Start Key. The Lamp ON timing varies for each different paper source.
- During a multi-copy cycle, LA1 is turned ON again approx. 90 msec. after it has been turned OFF.

◆ **Exposure Lamp OFF Timing**

- LA1 is turned OFF approx. 243 msec. after the SCEND signal, which is being input to Master Board PWB-A from SCP Board PWB-J, has gone from HIGH to LOW.

