<Relation with Image Density>
The "Image Exposure" function of "Tech. Rep. Choice" available from the Tech. Rep. mode enables fine-adjustments of the grid voltage (solid-black image density) to be made. It specifies how many volts the optimum grid voltage determined by the image stabilization control is to be increased or decreased. This fine-adjustment value remains the same even when the optimum grid voltage is later varied by the image stabilization control.

Controlled Part	Control Signal	ON	OFF	WIRING DIAGRAM
Grid voltage output from High Voltage Unit HV1	PJ13A-1	Pulse Output		3-F

③ Optimum Exposure Lamp voltage correction
The Exposure Lamp is turned ON to illuminate the halftone patch on the back of the Original Width Scale, thereby producing a halftone pattern on the surface of the PC Drum. The Exposure Lamp voltage is then varied so that the output from the AIDC Sensor falls within the target range, thereby ensuring an optimum exposure level.

	Control Value	1 Step	Initial Value
Exposure Lamp voltage (100V Areas)	40 to 80V	1V	58V
Exposure Lamp voltage (200V Areas)	80 to 160V	2V	116V

<Relation with "Manual Exposure Level" of F5>
The "manual exposure level" of Function F5 available from the Tech. Rep. mode enables fine-adjustments of the Exposure Lamp voltage (halftone image density) to be made. It specifies how many volts the optimum Exposure Lamp voltage determined by the image stabilization control is to be increased or decreased. This fine-adjustment value remains the same even when the optimum Exposure Lamp voltage is later varied by the image stabilization control.

Controlled Part	Control Signal	ON	OFF	WIRING DIAGRAM
Exposure Lamp Regulator (PWB-J) REM	PJ8A-12	Pulse output		45-H

④ AE Sensor gain adjustment
The Exposure Lamp is turned ON to illuminate the blank sheet of paper placed on the Original Glass (when an F5 or FF operation is run) or the halftone patch on the back of the Original Width Scale (when the AE Sensor gain is adjusted in a sequence other than F5 or FF). The reflected light is then read by the AE Sensor and a gain adjustment of the AE Sensor is made to maintain an optimum Auto exposure level.

Controlled Part	Control Signal	ON	OFF	WIRING DIAGRAM
AE Sensor Board PWB-H	PJ3A-2	Pulse Output		12-B