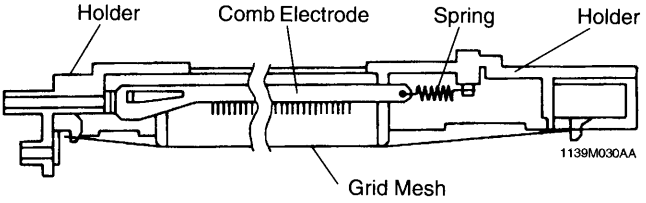
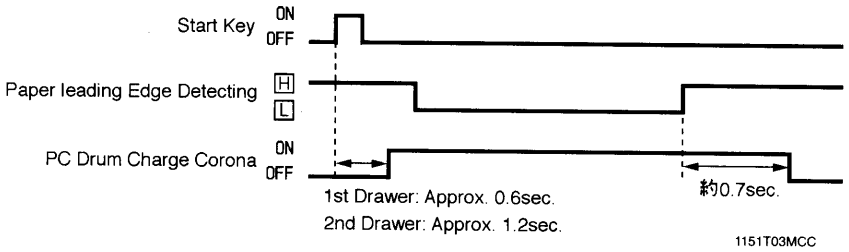
9 DRUM CHARGING

The PC Drum Charge Corona has a Scorotron grid to deposit a negative DC charge evenly across the surface of the PC Drum. The grid voltage (VG) applied to the grid mesh is selected between –550V (initial value, variable according to image stabilization controls) in the normal mode and the value in the normal mode +90V in the Photo mode by the Constant-Voltage Circuit in High Voltage Unit HV1.

The Corona Unit has a Comb Electrode which minimizes the amount of ozone produced. The conventional wire type corona unit produces a large amount of ozone due to corona discharge in radial directions. The comb electrode type, on the other hand, discharges only toward the Grid Mesh, meaning a reduced amount of ozone is produced.

The Comb Electrode can be cleaned by the user who pulls out to the front the shaft on which a Cleaning Rollar is mounted.





	Control Signal	ON	OFF	WIRING DIAGRAM
PC Drum Charge Corona	PWB-A PJ13A-2	L	H	3-F

	Control Signal	Normal Mode	Photo Mode	WIRING DIAGRAM
Grid Voltage (VG)	PWB-A PJ13A-1	Pulse output		3-F