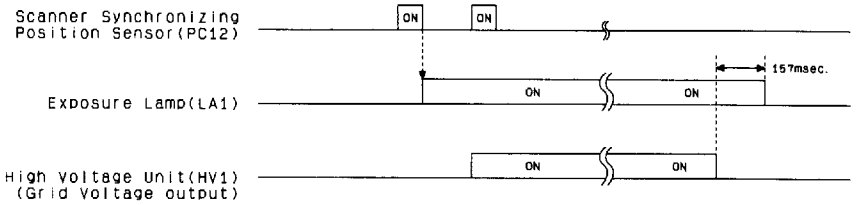
7-8. Exposure Lamp ON/OFF Control

- The Exposure Lamp (LA1) turns on when the Scanner, which has moved to the scan starting position, passes the Scanner Synchronizing Position Sensor (PC12) once.
- The Lamp turns off 157 msec. after the grid voltage output of the High Voltage Unit (HV1) switches off.

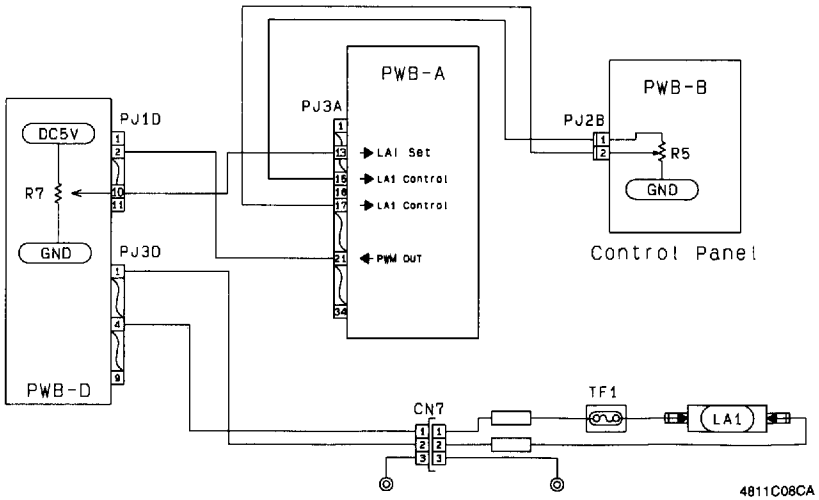


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7-9. Exposure Lamp Voltage Control

- The position of the Exposure Control Knob on the control panel, as it is turned into different positions, determines the Exposure Lamp voltage.

Turn the Exposure Control Knob as required to set the exposure level.
↓
The exposure level is sent from PJ2B-2 to PWB-A.
↓
The exposure level entered into PJ3A-17 on PWB-A and is converted in a sinewave cutting pulse signal within PWB-A and outputted from PJ3A-21 to the Power Board PWB-D.
↓
The average voltage of the Exposure Lamp changes according to the signal level entered into PJ1D-2 on PWB-D to provide the proper Exposure Lamp light intensity.

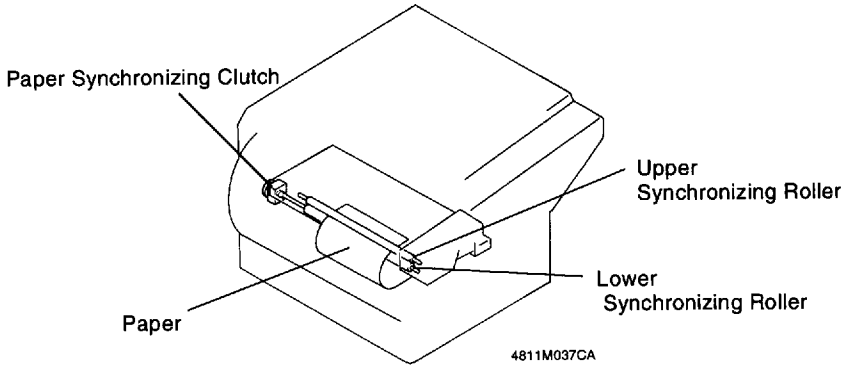


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8 SYNCHRONIZING ROLLERS

8-1. Function of the Synchronizing Rollers

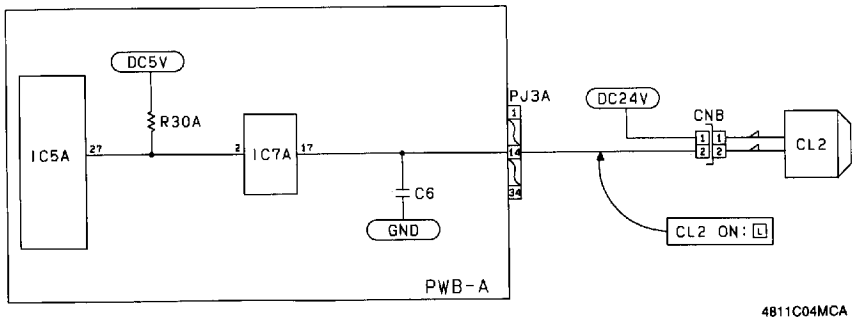
- The Synchronizing Rollers make correction for any skewed sheet of paper transferred by the Paper Feed/Take-Up Rolls. After this, the Synchronizing Rollers match the leading edge of an image on the PC Drum with that of the paper.
- The Synchronizing Rollers are driven by the Main Motor via the Paper Synchronizing Clutch. The Rollers rotate when the Paper Synchronizing Clutch (CL2) is de-energized, and stop when the Clutch is energized.



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8-2. Synchronizing Roller Rotation Control

- The rotation of the Synchronizing Rollers is started:
  1) As soon as the Start Key is depressed if a copy is to be made on the first sheet of paper; or
- The rotation of the Synchronizing Rollers is stopped:
- 535 msec. after the Scanner, that has moved to the scan starting position, has passed the Scanner Synchronizing Position Sensor (PC12) to the front.
  1) 200 msec. after the Start key is depressed



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