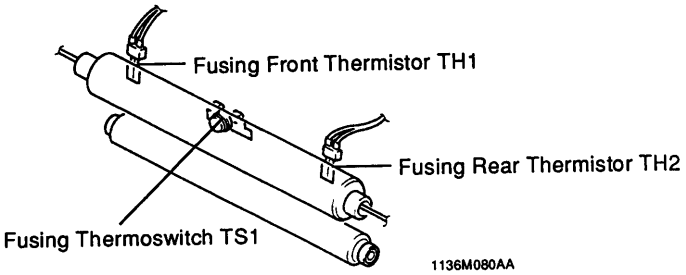
20-6. Fusing Temperature Control

<Overview>

- Fusing Front Thermistor TH1 and Fusing Rear Thermistor TH2 detect changes in the surface temperature of the Upper Fusing Roller at its front and rear ends. The Thermistors input the corresponding analog voltages to pins 78 (TH1) and 77 (TH2) of IC1A on Master Board PWB-A so that PWB-A can control the surface temperature of the Upper Fusing Roller.
- TH1 is usually used to provide 185°C temperature control.
- TH2 is provided to monitor the temperature at the rear that could rise when paper of a small size is fed through the copier.
- Both thermistors are located where paper of a small size does not move past.



- To avoid a current surge when the copier is turned ON, Fusing Heater Lamp H1 is turned ON with a time lag of 1 second after S1 has been turned ON.
- To protect H1 from being repeatedly turned ON and OFF, it is kept ON or OFF for a period of 1 second.
- While the copier is warming up, the Fusing Rollers are turned so that the Lower Fusing Roller receives heat. This ensures good fusing performance immediately after the warm-up.

