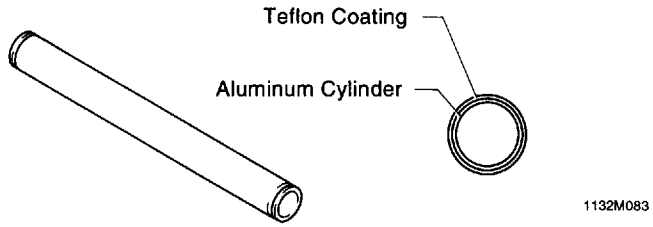
9-3. Upper Fusing Roller

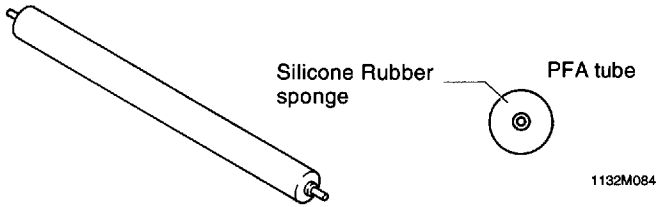
- The Upper Fusing Roller is teflon-coated to improve fusing performance and enhance toner repellency and static-free performance. Because of its excellent toner repellency, the Roller can prevent the production of offsets with a small amount of silicone oil applied.



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9-4. Lower Fusing Roller

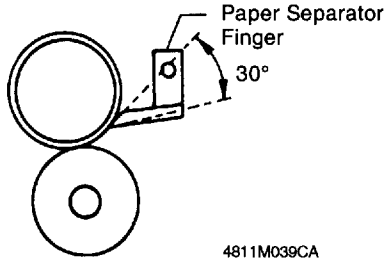
- The Lower Fusing Roller is of low hardness and therefore offers a wider width of contact between the Upper and Lower Fusing Rollers.
- The Lower Fusing Roller is made of silicone sponge coated with a thin PFA-Tube
- no silicone oil is applied by roll or felt. The system is self cleaning



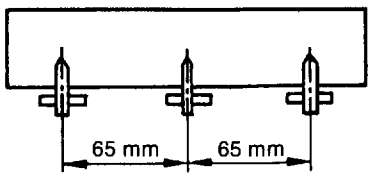
1132M084

9-5. Paper Separator Fingers

- The Paper Separator Fingers prevent the copy paper from winding around the Upper Fusing Roller.
- Since the original is aligned at the center in this copier, the Fingers are located as shown below.



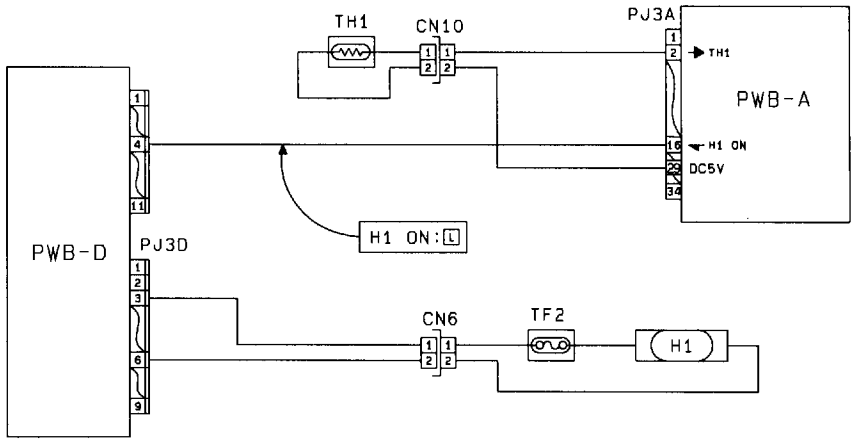
4811M039CA



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9-6. Fusing Temperature Control

- The Fusing Roller Thermistor (TH1) in contact with the surface of the Upper Fusing Roller detects the temperature of that surface and enters that temperature to PJ3A-2 on PWB-A.
- In accordance with the analog voltage from the Fusing Roller Thermistor (TH1), PWB-A outputs a signal from PJ3A-16 to PWB-D to keep the temperature of the Upper Fusing Roller at a predetermined value. This signal switches the Heater Lamp on/off to control the temperature.
- This fusing temperature is designed to 185°C and possible to change in adjustment mode. For more information, see the Function/Adjustment Mode Section.
- The measuring circuit on PWB-A is preadjusted at each board and the value documented at the A3-label on each board. In case of replacing PWB-A this value must be transferred to the EEPROM of the old PWB-A.



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