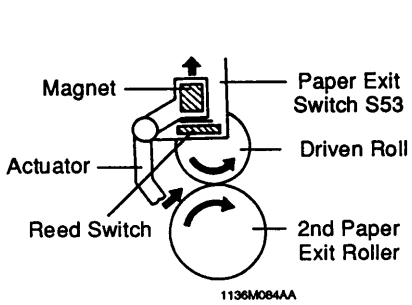
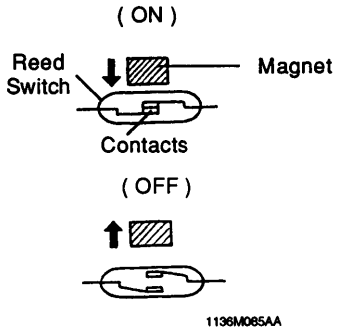
21-4. Paper Exit Detection

21-4-1. Paper Exit Detection Mechanism

Paper Exit Switch S53 detects a sheet of paper that is being fed out of the copier. Instead of a photosensor, a reed switch is used for S53 for its ' heat-resistance. The switch must be located near the Fusing Unit which gets hot. When the paper moves the S53 actuator, the magnet fitted to the actuator is pulled away from the reed switch and the switch contacts open. This means that S53 is turned OFF.





21-4-2. Exit Detection

The S53 detection result is sent to Master Board PWB-A and the copier knows that a sheet of paper has been fed out of the copier.
Here is the paper exit detection circuit.

