5-3. Watchdog Function Post-Processing

The following processing is performed if a faulty condition is detected in the CPU. The Watchdog Counter available from the Tech. Rep. mode allows the Technical Representative to check if any faulty conditions has occurred in the CPU. For details, see SWITCHES ON PWBs.

Faulty CPU	Processing (in Standby)	Processing (during Copy Cycle)
Copier	1 : The CPU is automatically reset (i.e., shutting down power to all CPUs including those on the options) as soon as a faulty CPU is detected.	1: Same as 1 on the left. 2: Since the paper is left inside the copier, the copier detects a misfed sheet of paper or two when power is turned ON again. If the MSC CPU is faulty, however, all paper in line for the exit will be ejected and all paper headed to the duplex will be stored, before restarting the CPU.
Sorter, Staple Sorter	1 : When the CPU malfunctions, the communication to Master Board PWB-A of the copier is cut off or faulty data is transmitted to the PWB-A. 2 : The PWB-A detects that the CPU of the Sorter or Staple Sorter is faulty. 3 : The PWB-A notifies MSC Board PWB-B that the CPU of the Sorter or Staple Sorter is faulty. 4 : As commanded by the PWB-B, Option Relay RY4C is turned OFF and ON to restart the option. 5 : The communication line from the CPU of the Sorter or Staple Sorter to PWB-A is recovered. 6 : PWB-A notifies PWB-B that the CPU of the Sorter or Staple Sorter has recovered from the faulty condition.	1 : Same as 1, 2, and 3 on the left. 2 : The paper take-up sequence is stopped. 3 : All sheets of paper being fed through the copier are fed out of the copier. 4 : Same as 4, 5, and 6 on the left.