

If the system is setup for automatic printing, pressing [PRINT] will print a label of the last exposure, as in manual print mode.

4.9 ERROR CODES

The system has built-in diagnostics for determining system error conditions. The diagnostics are arranged into groups of common functions. If errors occur repeatedly, the service technician should be called. **SECTION 10** provides a form at the end of the **COMPLIANCE TESTING RECORD** section to log system problems, and error codes encountered to act as a history and diagnostic tool for the maintenance technician.

4.9.1 SYSTEM FLAGS - 1 THROUGH 15

These flags indicate an improperly terminated exposure, and display the information in the LCD window. The **FAULT LED** above [PREP], will illuminate, and the RESET functions will appear in the lower right hand corner of the LCD window. There is a detailed description of the system flags in **SECTION 7**.

The system must be RESET before initiating another exposure.

FLAG	DESCRIPTION
#1	X-RAY SWITCH
#2	PREP SWITCH
#3	kVp COMMUTATIVE FAIL ERROR
#4	kVp HIGH ERROR
#5	kVp LOW ERROR
#6	mA OVERLOAD ERROR
#7	mA LOW ERROR
#8	FILAMENT POWER SUPPLY FAIL ERROR
#9	FILAMENT OVERLOAD ERROR
#10	BACK-UP mAs LIMIT
#11	EXPOSURE STOP ERROR
#12	EXPOSURE TIME LIMIT ERROR
#13	RPU HARDWARE FAULT
#14	kV UNBALANCED ERROR
#15	RPU FLAGS NOT RECEIVED

4.9.2 SYSTEM FLAGS - 16 THROUGH 43

These flags monitor hardware performance and will place the system into a HOLD condition. Pressing [PREP] will display the system flag number and a description of the HOLD condition.

Example: System Flag #28
mAs counter failed to program

The condition may clear itself. If the HOLD LED is ON, an exposure will not be permitted. Switch power OFF, then ON, to RESET the microprocessor. If the HOLD remains ON, the system requires service.

4.9.3 SYSTEM FLAGS - 48 THROUGH 50

These flags monitor communication conditions between the operator control and the RPU. A flag condition illuminates the HOLD LED and places the system on HOLD.

Service should be called immediately.

4.9.4 SYSTEM FLAGS - 51 THROUGH 63

These flags monitor external connected items to the system such as the collimator and door interlocks. A flag condition illuminates the HOLD LED and places the system on HOLD.

FLAG	DESCRIPTION	FLAG	DESCRIPTION
#51	COLLIMATOR NOT READY	#61	AUX INTERLOCK ERROR
#52	kVp FEEDBACK SIGNAL ERROR	#62	TUBE HOT
#53	SURGE RELAY NOT ENERGIZED		
#54	FILAMENT POWER SUPPLY ERROR		
#59	ROOM INTERLOCK No. 1 ERROR		
#60	ROOM INTERLOCK No. 2 ERROR		