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1- OVERVIEW

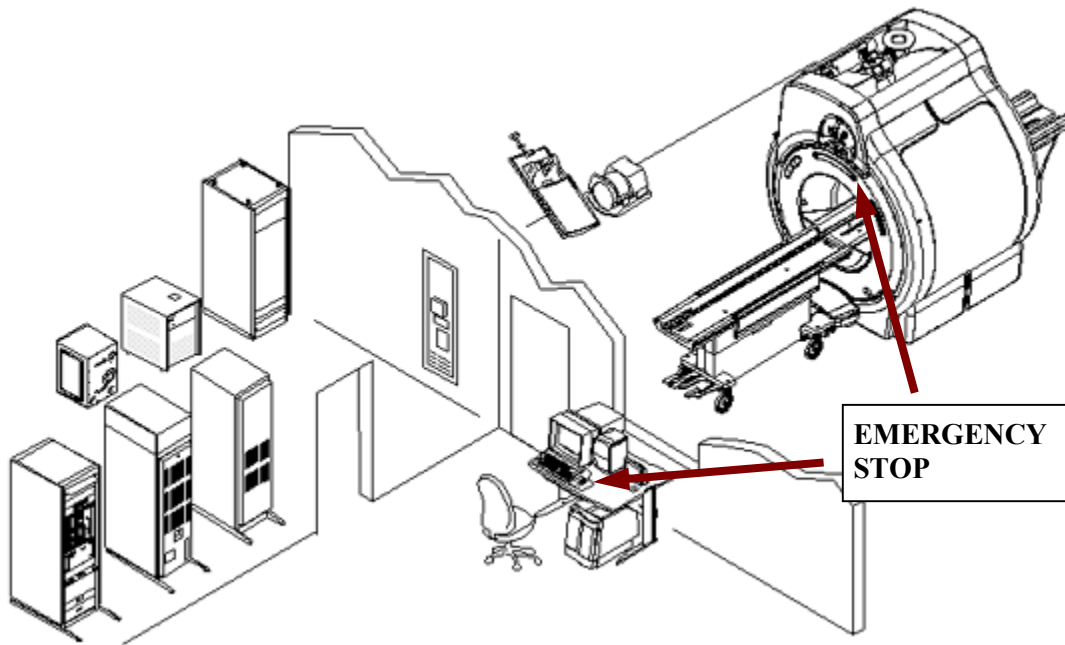
This document is for the Signa LX, MR/i and CV/i systems only.

This document provides the procedure for checking:

1. The EMERGENCY STOP function of the Power Distribution Unit (PDU) for the Gradient cabinet, RF cabinet, System cabinet and magnet enclosure.
2. The EMERGENCY OFF function of the power for the entire Signa system.

The PDU EMERGENCY STOP buttons are located on the Operator Workspace Keyboard and on the Magnet Enclosure front cover (two buttons – left and right).

An EMERGENCY OFF button is located on the System Main Disconnect Panel. The other EMERGENCY OFF buttons are located by the customer.



PDU EMERGENCY STOP BUTTON LOCATIONS
ILLUSTRATION 1-1

2- SYSTEM SHUTDOWN

1. Shut down the PC by clicking on the **[Start]** button and selecting **[Shut Down]** and confirming the operation.
2. Shut down the Octane Workstation by going to the Service Desktop, clicking on **[System Shutdown]**, and confirming the operation.

3- EMERGENCY STOP

1. Press one of the EMERGENCY STOP buttons as shown if Illustration 3-1.



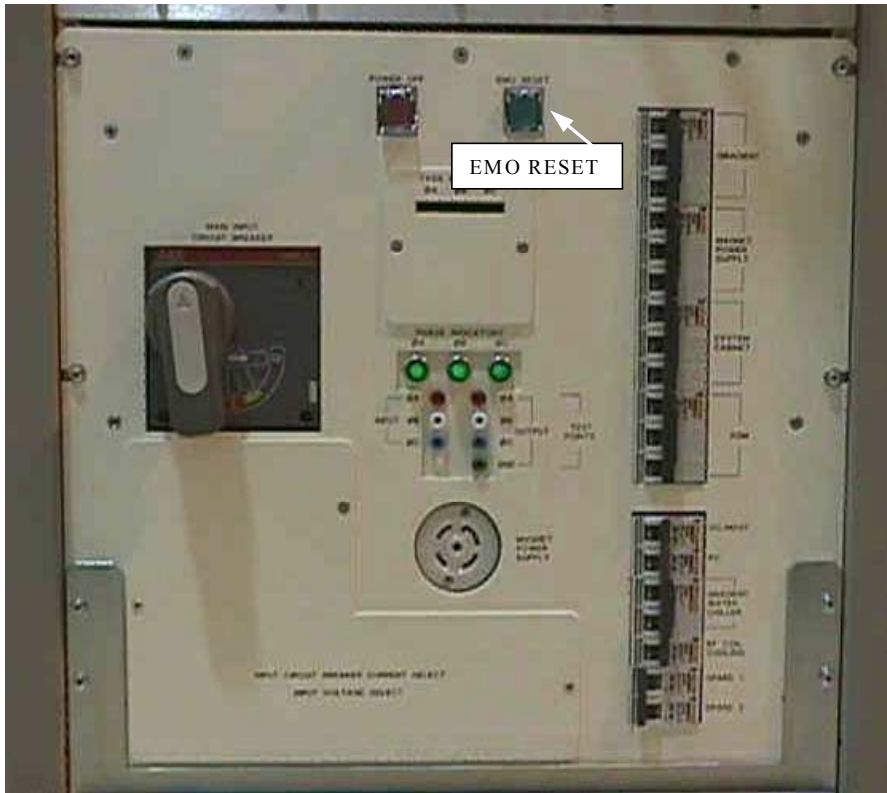
EMERGENCY STOP LOCATIONS
ILLUSTRATION 3-1

2. Verify the power to the Gradient subsystem, RF subsystem, and System cabinet is shut off by checking that the cabinet cooling fans have stopped. Also, verify that the Display-LEDs on the Magnet Enclosure are not illuminated.

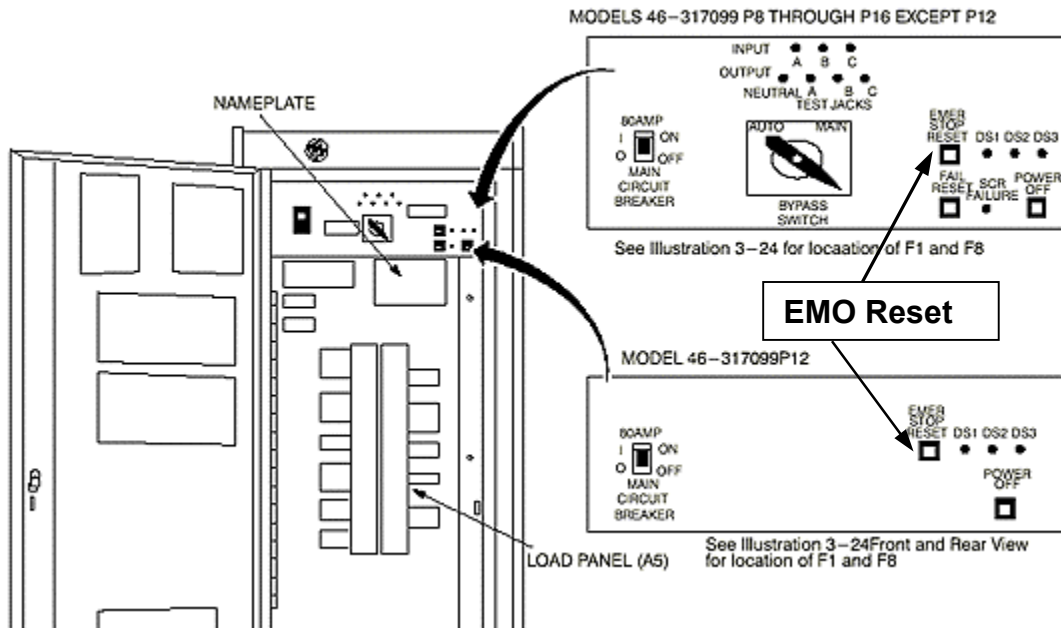
Note

Activation of the Emergency Stop Button for ACGD will remove the high voltage power from the gradient driver, so there will be no gradient power output to the body coil. However, be aware that the low voltage power will stay enabled in the ACGD cabinet after the Emergency Stop Button is pressed. This low voltage power remains on so the ACGD will be ready for scanning when full power is restored.

3. On the PDU, press the EMO Reset Button to return power to all effected cabinets. See Illustration 3-2 for ACGD and RF PDU or see Illustration 3-3 for Compact PDU.
4. Repeat steps 1 through 3 for each of the other EMERGENCY STOP buttons.



ACGD OR RF-PDU
ILLUSTRATION 3-2



COMPACT PDU
ILLUSTRATION 3-3

4- EMERGENCY OFF

1. Press one of the EMERGENCY OFF buttons (locations of buttons are determined by customer).
2. Verify that all components shown in Illustration 1-1 of the system power off. Check that all the lights and indicators shut off.

Note

The AC power for the Shield/Cryo-Cooler compressor and the Magnet Monitor are not controlled by the Emergency Off button.

3. On the System Main Disconnect Panel, press the PDU POWER ON button. The rest of the system should automatically power on.
4. On the PDU, Press the EMO RESET button.
5. Repeat steps 1-4 for the other EMERGENCY OFF buttons.

REVISION HISTORY

REV	DATE	AUTHOR	PRIMARY REASONS FOR CHANGE
A	July 19, 2001	PC Senski	Initial release review copy for LX, MR/i and CV/i systems
0	July 26, 2001	PC Senski	Added note to Sec 3 regarding presence of low voltage in the ACGD cabinet per John Wolak's review comments.