

SSM Cal Procedure

The SSM High Voltage (HV) Board jumper, JP1, must be set to either the 1000V position for 1.5T or 500V position for 1.0T systems. This high voltage bias is for the Body 1 and Body 2 Dynamic Disable Circuits in the RF body coil and the Direct Drive Circuitry (DD) in the body hybrid splitter. Jumper JP1 should come preset for all new installations and should not require changing. If the HV board ever fails, however, and is replaced, the position of this jumper on the new board should be checked before it is installed.

Procedure

NOTE: THE SSM WILL NOT FAULT IF IT IS CALIBRATED WITH A DISCONNECTION OR POOR CONNECTION TO ONE OF THE 4 MAGNET ROOM DYNAMIC DISABLE BIAS LINES (J72, J73, J75, AND J76 ON THE MAGNET ROOM SIDE OF THE PENETRATION PANEL). IMAGE SNR DEGRADATION WILL BE NOTICED BUT THE SSM MAY NOT FAULT. INSPECT THE FOUR BIAS LINE CONNECTIONS FROM THE PEN PANEL TO THE RF COIL BEFORE PERFORMING THIS CALIBRATION.

Press and release the CAL switch on the front of the SSM . This samples the open circuit fault detect signals and adjusts the threshold accordingly for the Dynamic Disable Circuits: J42 (Body 1), J43 (Body 2), and J44 (Direct Drive). When the CAL switch is pressed the LEDs labeled TEST, DRV FLT, and PS FLT will illuminate (this does not indicate a fault).

View the front panel LEDs. Ensure the Bank 1, LED #10 is OFF . This LED indicates the adjustment process was successful.

For Technical Assistance With This Product : 877-267-2784