

TABLE 4.3.1
SIMPLIFIED MAGNET POWER SUPPLY
MAINTENANCE PROCEDURE

No.	FM Fault Module LED Off	CM Control Module LED	SCRCP Line/Grnd Protection Module LED Off	Remote Fault Line	Diagnosis	Description / Corrective Measure
1	PS Interlock (PSINTL)	"READY" LED Off "OFF" LED On	Any	FLT	Fault or one or move interlocks not engaged	Check all the other "FM", "CM", "SIM" or "SCRCP" Led's Check the reg. Transformer motor drive status (LMD)
2	PS Overtemp (PSOT)	"READY" LED Off "OFF" LED On	N/A	FLT 3	Transformer TR1 or Power Mosfet Module or Diode Bridge Heatsink Overtemp.	Check Incoming Water Temp. Check TR1 and Heatsink Temp using a temperature probe, correct reading is less than 85 degree C (60 degree C) Check the continuity of the inputs to terminals on the OICB board, it should read 0 when the Mosfets, TR1 and diodes are not over-heated
3	Magnet Interlock (MG)	"READY" LED Off "OFF" LED On	N/A	FLT 9	Customer External Interlock Switch is Open	Check Customer Interface connection
4	Safety Interlock (SF)	"READY" LED Off "OFF" LED On	N/A	FLT 10	Customer External Interlock Switch is Open	Check Customer Interface connection
5	DC Overcurrent (DCOC)	"READY" LED Off "OFF" LED On	N/A	FLT 0		Check output load connections Check output Load value
6	Mosfet Power Limit (MOSPL)	"READY" LED Off "OFF" LED On	N/A	FLT 0		Check output load connections and Load value