One of the following messages will be displayed when a FAULT occurs. The words LOCKOUT will alternate with the message when the maximum number of restarts have occured that were set on the Key Pad Fault Restart Parameters. Pressing the STOP key will remove the message and RESET the VSC for a START attempt. A fault code for engineering use will also be displayed. The displayed message will flash to indicate the fault was from the second converter or inverter in Parallel and 8000 series Drives or the second converter in 12 pulse drives..

CODE	MESSAGE	EXPLANATION
F0	POWER OFF	Input Power was removed
F1	A + IOT	An IOT caused in A phase + Inverter section
F2	A - IOT	An IOT caused in A phase - Inverter section
F3	B + IOT	An IOT caused in B phase + Inverter section
F4	B - IOT	An IOT caused in B phase - Inverter section
F5	C + IOT	An IOT caused in C phase + Inverter section
F6	C - IOT	An IOT caused in C phase - Inverter section
F7	-15V LOSS	Loss of the Negative 15 volt supply
F8	+15V LOSS	Loss of the Positive 15 volt supply
F9	OVER VOLT	DC Bus voltage exceeded 736 volts
F10	OVER TEMP	SCR heat sink temp. exceeded 194°F
F11	INPUT A - B	A/B phase voltage went below 304 volts
F12	INPUT B - C	B/C phase voltage went below 304 volts
F13	INPUT C - A	C/A phase voltage went below 304 volts
F14	OVERLOAD	Exceeded setting for Overload Amps
F15	DCB COM	Loss of Digital Control Board communication
F16	INPUT ZC	Loss of sync with AC Input zero crossing
F17	INPUT PHASE	Input phase rotation changed
F18	POWER UP	Normal when power is turned on
F19	LOW SPEED	Drive speed forced below minimum speed setting by I Limit
F20	OIB COMM	No Operator Interface Board communications
F21	UNDERLOAD	Shut down from underload setting
F22	EEprom FLT	There is a problem with the EE Prom
F23	DRIVE MODEL	Drive Model selection was cha;nged
F31	SET UL	Underload setting was changed
F32	SET OL	Overload setting was changed
F33	START	A normal START was initiated
F34	STOP	A normal STOP was initiated
F35	AUX STOP	An AUXILIARY STOP was initiated
F36	E STOP	An EMERGENCY STOP was initiated

Table 5.1   Fault Messages Displayed

5.3.18 UNDERLOAD PARAMETERS

The "UNDERLOAD PARAMETERS" makes provisions for the input of four parameters controlling automatic restarts in the event of an underload condition. Pressing the "UNDERLOAD PARAME-TERS" key will access the function and display the first parameter. Subsequent keystrokes will display the remaining three parameters. The first parameter is the underload set point. When the controller output current becomes less than this set point, the underload routine is activated. The display will indicate "0000 AMPS UL SET", and can be adjusted from 0000 to the current rating of the controller.