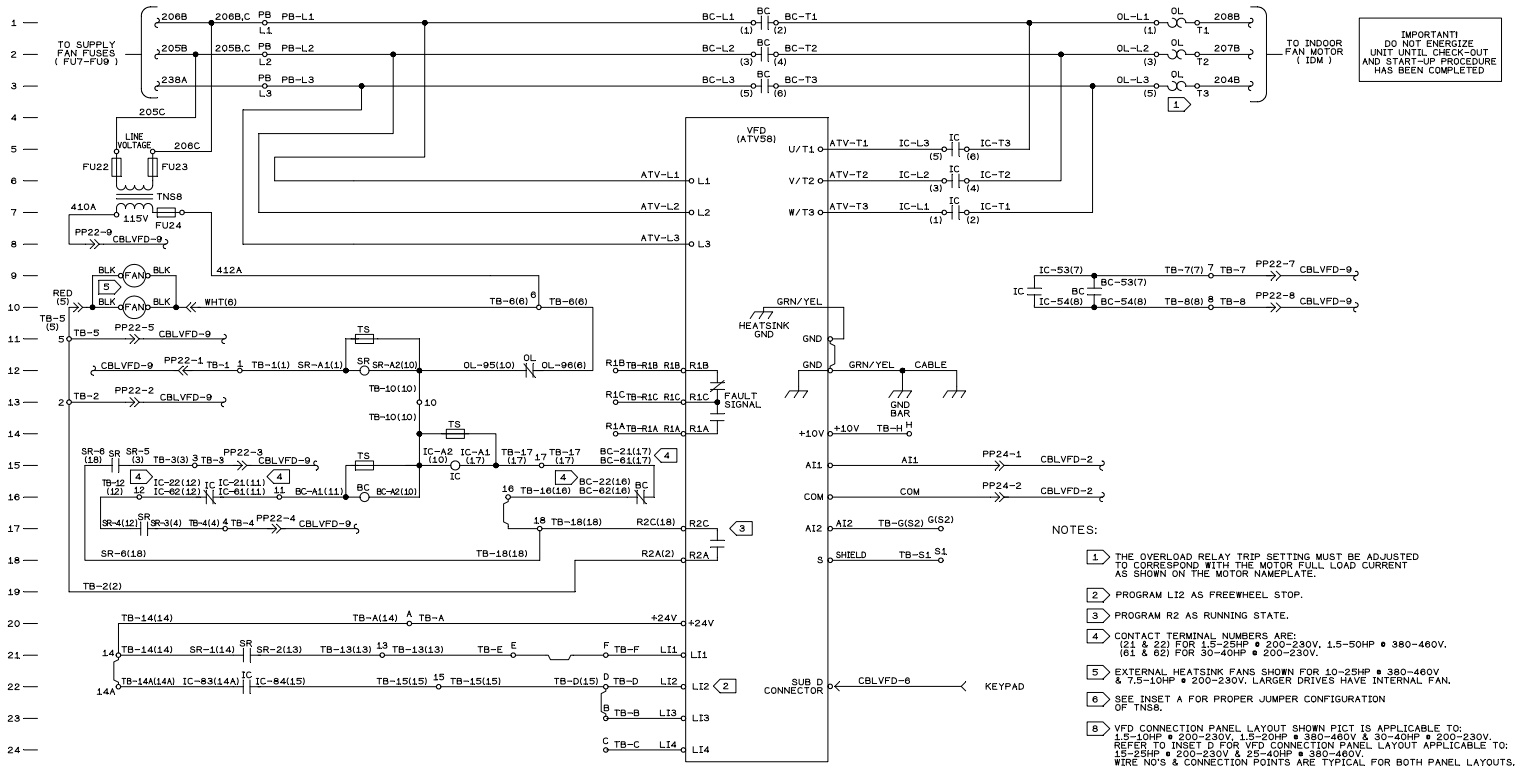
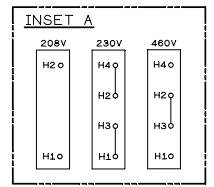




8 VFD ASSEMBLY

ABBREVIATIONS	
BC	BYPASS CONTACTOR
FAN	HEATSINK FAN
IC	ISOLATION CONTACTOR
OL	OVERLOAD
PB	POWER BLOCK
SR	START RELAY
TB	TERMINAL BLOCK
TNS8	V.F.D. TRANSFORMER
TS	TRANSIENT SUPPRESSOR
VFD	VARIABLE FREQUENCY DRIVE



FUSE REPLACEMENT TABLE	
HIGH EFFICIENCY MOTORS	
VFD CIRCUIT FUSE	FUSE RATING
FU7-FU9 (CLASS "T" FUSES)	7.5 HP 10 HP 15 HP 20 HP
	208V/60/3 600V 80A 100A 125A 175A
	230V/60/3 600V 60A 90A 125A 150A
	460V/60/3 600V 35A 45A 60A 90A
FU22-FU23	208-230V CLASS CC 1.5 AMP
	460V CLASS CC 0.8 AMP
FU24	208-230V CLASS CC 2.0 AMP
	460V CLASS CC 2.0 AMP

WARNING

HAZARDOUS VOLTAGE!

DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.

FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.

AVERTISSEMENT

VOLTAGE HASARDEUX!

DECONNECTEZ TOUTES LES SOURCES ELECTRIQUES INCLUANT LES DISJONCTEURS SITUES A DISTANCE AVANT D'EXECUTER L'ENTRETIEN.

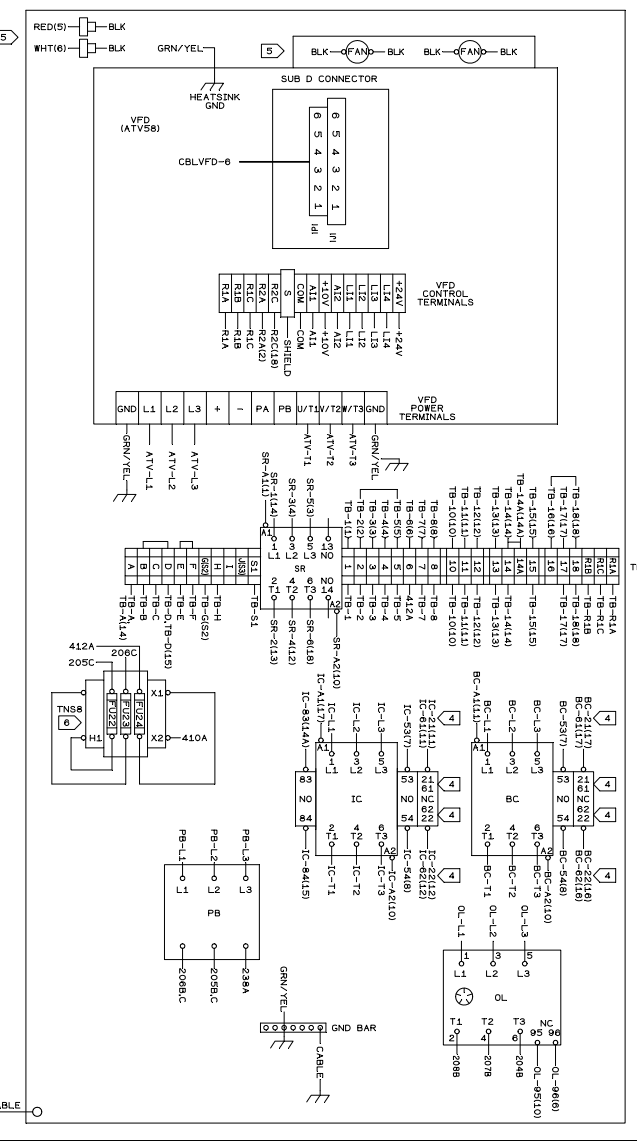
FAUTE DE DECONNECTER LA SOURCE ELECTRIQUE AVANT D'EXECUTER L'ENTRETIEN PEUT ENTRAINER DES BLESSURES CORPORELLES SEVERES OU LA MORT.

CAUTION

USE COPPER CONDUCTORS ONLY!

UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.

FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.



ATV58 PROGRAMMING CONFIGURATION
NOTE: CHECK TO MAKE SURE THE 50/60 Hz SELECTOR SWITCH LOCATED TO THE LEFT OF THE KEYPAD LOCATION AND BELOW THE DIAGNOSTIC LEDs IS SET TO THE 60 Hz POSITION (TO THE RIGHT).

SQUARE D VARIABLE FREQUENCY DRIVE FACTORY SETTING SUMMARY			
MENUP	PARAMETER	ADJUSTMENT	DESCRIPTION
MACRO	CFG	VT	SET FOR VARIABLE TORQUE
CFG	REF	HP+	460V, 5-20HP ONLY
1	rFr		DISPLAY OUTPUT FREQUENCY
2	ACC	30s	30 SECONDS ACCELERATION
2	DEC	30s	30 SECONDS DECELERATION
2	LSP	35 Hz	35 HERTZ (FOR VOYAGER 3)
2	TH	Motor FLA	CURRENT USED FOR MOTOR THERMAL PROTECTION
2	HSP	60 Hz	SETS MAXIMUM OUTPUT FREQUENCY OF DRIVE AS A FUNCTION OF INPUT SPEED REFERENCE SIGNAL
3	Un5	208 or 230	208/230 VOLT ONLY
3	SF+	HPL	HIGH SWITCH FREQ FOR LOW DUTY
3	SFR	8	8 kHz SWITCHING FREQUENCY
3	CLI	L1 then Motor FLA	LIMITS MAX CURRENT TO MOTOR
3	nCr	Motor NP FLA	NOMINAL CURRENT USED FOR OVERLOAD CALCULATOR
3	Fr	72 Hz	SETS MAXIMUM OUTPUT FREQ OF DRIVE CONTROLLER
4	ICC	2W	SELECT 2-WIRE CONTROL
4	TC+	L2L	DEFINE TYPE OF 2-WIRE CONTROL
5	L12	NST	FREEWHEEL STOP WHEN L12 OPEN
5	L13	NO	NO ASSIGNMENT
5	L14	NO	NO ASSIGNMENT
5	R2	RUN	RELAY R2 SET FOR DRIVE RUNNING
6	FL+	YES	ENABLES CATCH ON THE FLY RESTART
6	Atr	YES	ALLOWS RESTART OF DRIVE UPON REMOVAL OF A FAULT CONDITION WITH A MAINTAINED RUN SIGNAL
6	IPL	YES	DISABLES DRIVE INPUT PHASE LOSS DETECTION
6	OPL	NO	DISABLES DRIVE OUTPUT PHASE LOSS DETECTION

