ELECTRICAL CONNECTION DIAGRAMS KAMAG 22. WITH APR VOLTAGE REGULATORS

NOTE 1 CAUTION: UNIT MUST BE GROUNDED IN ACCORDANCE WITH APPLICABLE ELECTRICAL CODES.

NOTE 2 SEE VOLTAGE RANGE CHART FOR APPLICABLE CONNECTION DIAGRAM. CONDUCTORS SHOWN AS DASHED LINES TO BE INSTALLED BY THE USER OF THE GENERATOR. CHECK ALL CONNECTIONS INCLUDING THOSE MADE TO VOLTAGE REGULATOR BEFORE OPERATING GENERATOR SET.

NOTE 3 CONNECTION OF OPTIONAL REGULATOR ON-OFF SWITCH IS SHOWN IN FIGURE IA.

NOTE 4 CONNECTION OF OPTIONAL FIELD CIRCUIT BREAKER IS SHOWN IN FIGURE IB.

NOTE 5 LOCATION OF JUMPER MUST AGREE WITH OPERATING FREQUENCY (50 HZ OR 60 HZ)

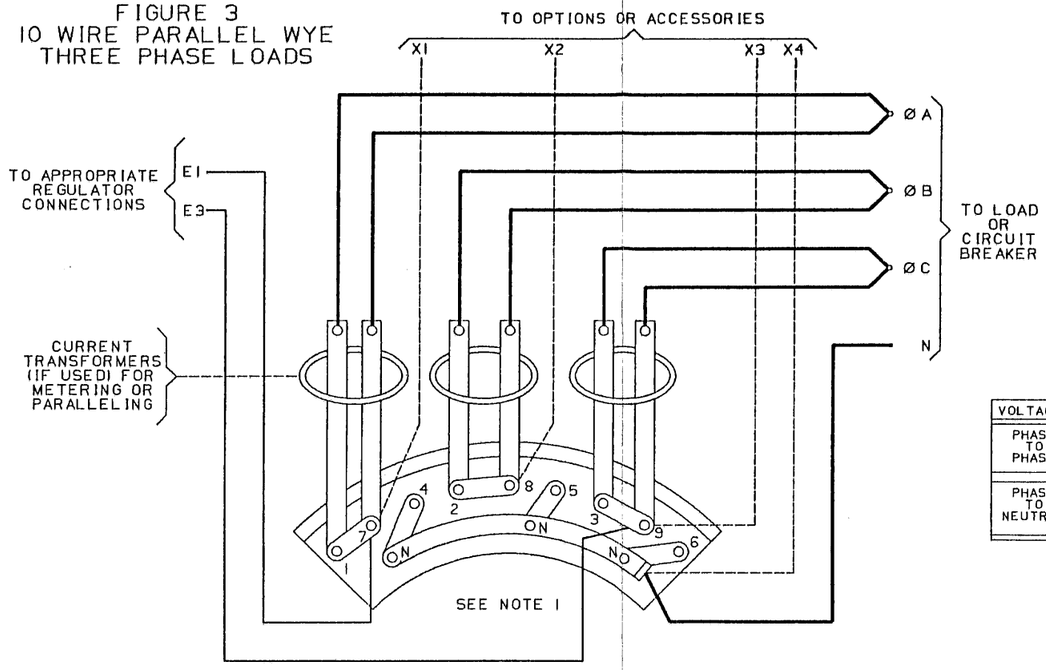
NOTE 6 CONNECTION OF OPTIONAL PARALLELING MODULE IS SHOWN IN FIGURE IC

NOTE 7 JUMPER MUST BE IN PLACE IF CURRENT BOOST SYSTEM IS NOT USED

NOTE 8 CAUTION: EXCITER FIELD CIRCUIT IS NOT ISOLATED. DO NOT ATTEMPT TO MANUALLY FLASH GENERATOR FIELD WHILE GENERATOR IS ROTATING.

NOTE 9 LEAD MARKINGS SHOWN GIVES A-B-C PHASE ROTATION WHEN THE GENERATOR IS ROTATING CCW, AS VIEWED FROM THE EXCITER END. (CW FACING DRIVE END).

FIGURE 3
10 WIRE PARALLEL WYE
THREE PHASE LOADS



VOLTAGES		50HZ	60HZ
PHASE TO PHASE	MAX	200	245
	NOM	200	208
	MIN	170	204
PHASE TO NEUTRAL	MAX	115	142
	NOM	115	120
	MIN	98	118

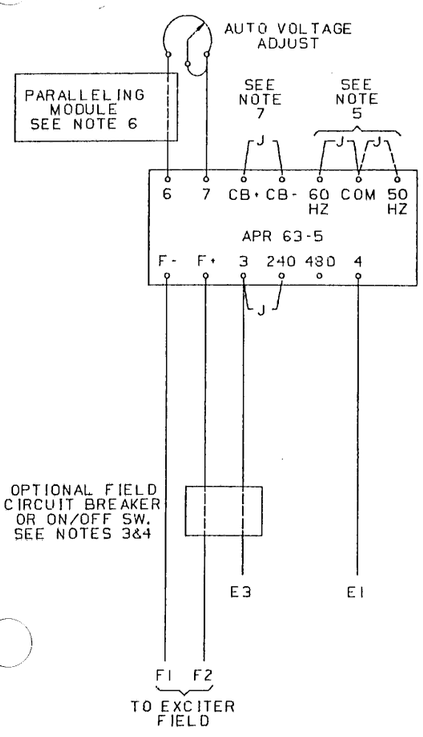


FIGURE 1 VOLTAGE REGULATOR

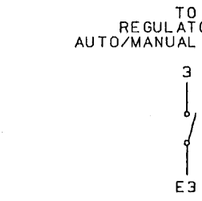


FIGURE IA REGULATOR ON-OFF SW. OPTION

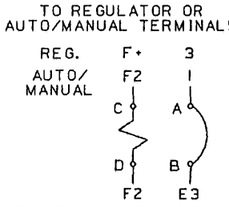


FIGURE IB FIELD CIRCUIT BREAKER OPTION

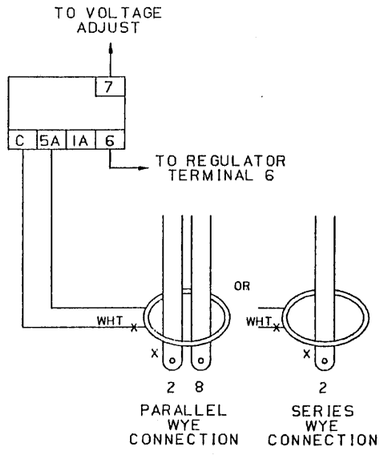
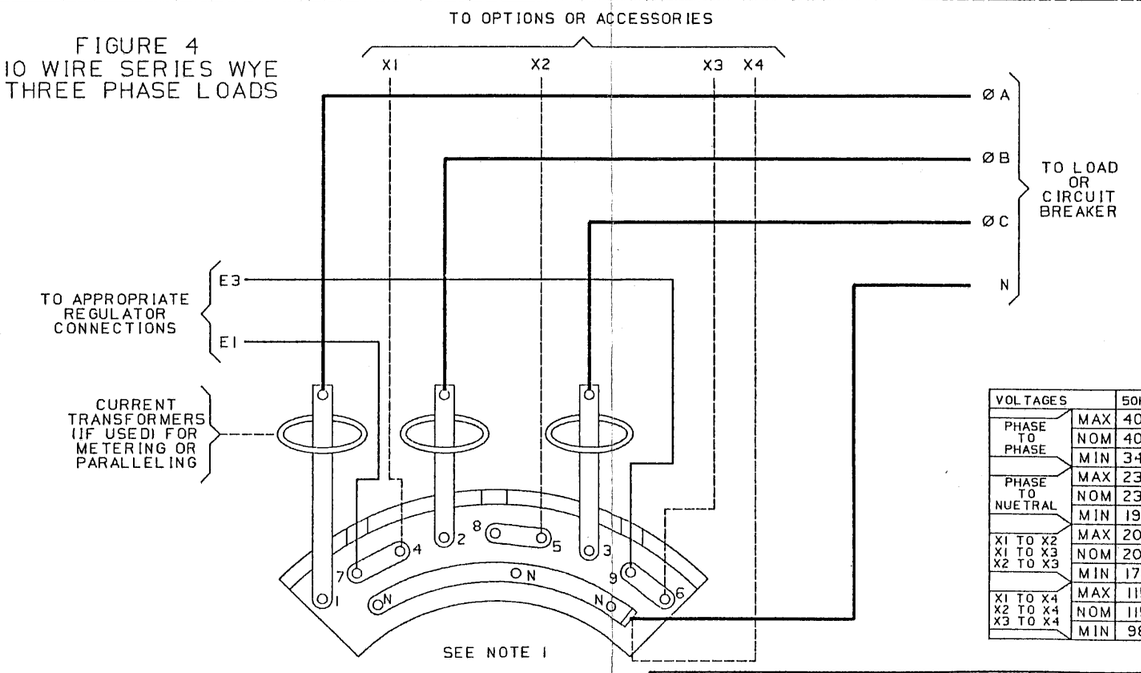


FIGURE IC PARALLEL VOLTAGE DROOP OPTION

FIGURE 4
10 WIRE SERIES WYE
THREE PHASE LOADS



VOLTAGES		50HZ	60HZ
PHASE TO PHASE	MAX	400	490
	NOM	400	480
	MIN	340	408
PHASE TO NUETRAL	MAX	230	283
	NOM	230	277
	MIN	196	236
X1 TO X2 X1 TO X3 X2 TO X3	MAX	200	245
	NOM	200	240
	MIN	170	204
X1 TO X4 X2 TO X4 X3 TO X4	MAX	115	142
	NOM	115	139
	MIN	98	118

TESTED AT FACTORY AS ILLUSTRATED IN FIGURE _____

CERTIFIED FOR								
		A 42971	RAN	RCK	NNF	8-2-88
		ORIGINAL	DD	DL	DLB	5-14-85
KVA	DISTRIBUTION: RAG,REK,RIV,RRC,RSN,RST	REV	ECO	ENGR	DR	CK	DATE
VOLTAGE		MATL					
P.O.	ORIGINAL AT RMK	SCALE			1ST S/N		
KATO S/N	TITLE	DRAWING NUMBER			SH 1	OF 1	
DATE SIGN	GENERATOR CONTROLS	P8800-837					

P/N 560-22081-01