GENERAL 🍪 ELECTRIC

278A2046

REV NO.				TITLE		INSTRE	ICTIONS			CONT ON	SUCE	2 зн но.	1	
2 *	7 8 A :	2046			INVE		.5.,5							
CONT ON SH	EET 2	вн но.	1	FIRS	T MADE FO)R 3S7	932MA333G	2						
													REVI	SION
	1.0	WIRE CH	FCK ALL	WIRING	a EXCEPT	THE PO	B PER ELE	MENTAF	RY DIAGRAN	ч.				
	·												a B	
	2.0	HIPOT:											sed	
							CB. CLOS						Revised per 131	Þ
		то	35-0.	TIE TO	GETHER 1	(2081,	12CB3 AND	3,5.0	D. TIE I	2CB# TO	GROUND.		-81	7.
							GETHER. GROUND FO					ND	587	27.8
		AT	1330V.	RMS FOR	R 1 MIN.	REMOV	E JUMPERS	AND F	RECONNECT	ALL WIR	ES.		25	8 13
	3,0	HOOKUP											_	7
		3.1 co	NNECT A	. 30. 46	60 VAC. 6	O HERT	NPUT, G4=2 % SUPPLY	THRU A	VARIAC T	ro (1ce1	, ∣1c82	3	٨	
		ΔN	BEADIL O	(TH	IE SUF	PLY	15 38	AVO	c , 50 H3	l for"	MABBE	G3"		
		3.2 co	L∠NO≥ NNECT D	VMS TO	MONITOR	A D []	FEREN	1 TA	04 C W } 6	TE WITH	4 380 y	drmer 1c input		
		3.	2.1 CK	T. 111	(3 T	เสรา		2					ľÜ	
		3.	2.2 50	VOLT E	BUS (CKT	. 109)		}	6TP COM	10N			TE T	! }
		3.	2.3 10	,5 VOLT	T BUS (CH) (STP) TRANS!	STOR				-	ON 6	.
	4.0	PRELIMI	NARY CO	NDITION	<u> 15</u>								ADDED NOTE TO	:
							ON 2TB-A					E	3	T
					CITE)	T POSITIO							
		4.3 DI	SCONNEC	T THE I	LEADS ON	3 T8-F	(CKT, 113	I) AND	3TB-H (C	KT. 112)				
		4.4 JU	MPER 3T	B-D (C	KT. 111)	ТО ЗТЕ	J-F (CKT.	113).						
		4.5 co	NNECT A	N OSCIL	LOSCOPE	то овя	ERVE 22TP	VOLTA	AGE.					
	5.0	ELECTRI	CAL TES	<u>T</u>					(<i>ች</i> ን	rbd)				
		5.1 AD	JUST TH	E VARIA	AC TO INC	CREASE	THE VOLTA	GE ON	CKT. 111	FROM, 70	VDC_TO	ı		
					Y THAT IF AN ±5%	15 10.5	VOLT BUŠ		# (1\$ to € .	LIBUSIL	O NOI		-	14:
		5.2 TH	ድ በፍርተ፣	LOSCOPI	E VOLTAGE	- AT 22	TP MUST S	COM TO 2	3TP OR 3TB	-B) VOLTS T	O ZERO)
5.2 THE OSCILLOSCOPE VOLTAGE AT 22TP MUST SWITCH FROM +10 VOLTS TO ZERO VOLTS WHEN CKT. 111 VOLTAGE IS 100 ± .5 VOLTS. THIS IS SET WITH 3P. (START). THE 30 AC INPUT SHOULD BE 280 ± 10 VAC FOR 100 VOLTS ON CKT.								٦	ry t					
		(S 11 37	1. THE	THE 3(RE SHOU	D AC INPL ULD BE NO	JT SHOU OSCIL	LATION AT	± 10 22TP	VAC FOR 1	100 VOLT	+ +7 VA	T. C FOR 33363)		
			·	LOSCOPI	E VOLTAGI	E AT 22	TP MUST S	WITCH	FROM ZERO	O VOLTS		J - J - J - J - J - J - J - J - J - J -		
							ASED FOR	85 ±	.5 VOLTS (ON CKT,	111.			
MADE BY	··········	I H	15 5		H 4P (STO	, (n							PRIN	ITS TO
MADE BY		DVORSCA	Κ		NUSACCE	h	VE SYSTEM	s 	DIV 6	PT. 27	8 A 2	046	ŧ.	
	5-14	- 79			,	SAL	EM, VA		LOCATIO	ON CONT O	SHEET			SENT NO

CODE IDENT NO

FF-803 WF (5-78) PRINTED IN U.S.A.

GENERAL (%) ELECTRIC 278A2046 CONT ON SHEET 4 вн №0. 3 REV NO. TITLE TEST INSTRUCTIONS 278A2046 INVERTER 357932MA333G2 SH NO. FIRST MADE FOR CONT ON SHEET REVISIONS 5.13 VERIFY THAT AS THE VARIAC IS INCREASED FOR A GREATER VOLTAGE THAN 100 AT CKT. 111, THE OFF-TIME AND THE AMPLITUDE ON THE OUTPUT WAVEFORM WILL INCREASE AND AS THE VARIAC IS DECREASED, THE OFF-TIME Revised per JJD. AND AMPLITUDE ON THE OUTPUT WAVE FORM WILL DECREASE AND WILL SHUT OFF WHEN CKT. 111 VOLTAGE IS 85 ± .5 VOLTS. 5.14 INCREASE THE VARIAC FOR 460 VAC INPUT. (380VAC ON MASSEGS) CKT. 111 VOLTAGE WILL BE 165 ± 8 VOLTS. (VDC) THE OFF-TIME WILL BE 87 ± 50. 5.15 OVERVOLTAGE (SET THE OVERVOLTAGE POT 2P FULLY CW) 5.15.1 DECREASE THE VARIAC FOR 80 VOLTS AND THEN INCREASE IT FOR 120 ± 0.5 VOLTS ON CKT. 111. (Vpc) THE OFF-TIME SHOULD NOW BE 52.5 + 0.5 (.68 ms) 5.15.2 MONITOR 17TP WITH A DVM. IT SHOULD BE AT ZERO VOLTS. 5.15.3 USE 1P ON THE INVERTER BOARD TO DECREASE THE OFF-TIME TO 40° (.52 mS) COW 5.15.4 ADJUST 2P|UNTIL 17TP GOES POSITIVE (*PPROX. 10 VOLTS.) THIS WILL BE AT 10 TOVER-VOLTAGE. NOTE: EACH TIME 17TP GOES POSITIVE THE VARIAC MUST BE DECREASED TO LOWER CKT, 111 VOLTAGE BELOW 85 VOLTS TO GET 17TP BACK TO ZERO VOLTS AND THEN RESET FOR 120 VOLTS ON CKT. 111. IP SHOULD BE RESET FOR MORE THAN 40° OFF TIME TO INSURE 17TP IS ZERO VOLTS UNTIL 120 VOLTS IS SET ON CKT. 111. 5.15.5 FINAL SETTING OF 2P SHOULD BE VERIFIED BY ADJUSTING THE OFF-TIME WITH IP TO ASSURE 17TP VOLTAGE GOES POSITIVE WITH 400 OFF-TIME. (.52 mS) 5.15.6 RESET 1P FOR MORE THAN 400 OFF-TIME. (.52 mS)5.15.7 CONNECT THE TEST JUMPER FOR NORMAL OPERATION. 5.15.8 VERIFY THAT THE OUTPUT WILL SHUT-OFF WHEN IP IS ADJUSTED FOR 40° OFF-TIME. (.52 mS) 3 Q4 15.9 RESET 1P FOR 52.50 OFF-TIME WITH 120 VOLTS ON CKT. 111(378-5 (.68 ms) 5.15.10 DECREASE THE VARIAC FOR ZERO VAC. OPEN 11CB. 6.0 125 VDC OPERATION 6.1 CONNECT 125 VOLTS DC, POS. TO Z 2081 AND NEGATIVE TO 12082. APPLY THE 125 VDC POWER. CLOSE 12CB. 6.2 PRINTS TO MADE BY APPROVALS J.J. DVORSCAK DRIVE SYSTEMS DIA DE 278 A 2 O 4 6 ISSUED

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SALEM, VA

LOCATION CONT ON SHEET 4

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				TITLE				CONT ON SHEET FL	5H NO. ∠
	788	2046		TEST	INSTRUCT	IONS			
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NT ON SHE	er FL	SH NO.	4	FIRST MADE F	OR 3s7	932MA333G2			
									RE\
		26							2
		6.3 VEF	RIFY TA	HAT CKT. 111	VOLTAGE	IS 122 ±, 2 VOL	TS AND THE	OFF-TIME	8
		ON	THE OL	TPUT WAVEFOR	M IS 55	+ 2 ⁰ .	, ,		[]
						ms)			18
	7.0			ND THE 125 VE RE RELIABLE C		SHOULD BE REMO	VED AND AF	PLIED SEVERAL	Meurisco
		I IMES IV	, MOOUR	VE RELIABLE C	TERMITOR	•			€,
		7.1 REN	AOVE AL	L POWER AND	DISCONNE	ст.			
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