

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT
 MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST
 FOR
 FREQUENCY METER, TRACOR MODEL 527A (NSN 6625-00-490-2313)

Current as of 10 August 1976

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 29 September 1976

REPORTING OF ERRORS

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	FUNCTIONAL	MODEL	PART
	GROUP	GROUP TITLE	NO.
	6646	Frequency Meter	527A
		-	NUMBER
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Section I INTRODUCTION

1. Scope

This manual lists repair parts that are required for maintenance of Frequency Meter, Tracor Model 527A¹ and is applicable to Army Area Calibration Teams (AACT's).

NOTE

Throughout this manual, DS is used to indicate AACT.

2. General

This manual is divided as follows:

a. *Section I. Introduction.*

b. *Section II. Repair Parts List.* A list, in alphabetical sequence, of repair parts authorized for the performance of maintenance at the AACT support level.

c. *Section III. National Stock Number and Reference Number Index.* A list in ascending numerical sequence, of all National stock numbers (NSN's) appearing in the repair parts list, followed by a list of all reference numbers in alpha-numeric sequence appearing in the list. The NSN's and reference numbers

are cross-referenced to a figure number and item number in column 1.

NOTE

The figure and item number columns represent cross-reference numbers, since illustrations are not included in this manual.

3. Explanation of Columns

Refer to section I of TM 9-4931-700-34P for explanation of columns (para 3), special information (para 4, except for subparagraph 4o which is not applicable to this manual), and abbreviations (para 6).

4. How to Locate Repair Parts

When NSN or reference number is unknown, use the repair parts listing and locate the item by description. When National stock number or reference number is known, use the list of NSN's or the reference numbers and locate the cross-referenced figure and item number. Locate the cross-referenced figure and item number under column 1 of the repair parts list for the complete description of the repair part.

¹Part of AN/GSM-259 which is not fielded as of date of this TM.

REPAIR PARTS LIST

(1) ILLUSTRATION		(2)	(3)	(5)	(4)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
						GROUP 6646 FREQUENCY METER 527A 19397 MAINFRAME ASSEMBLY CONSISTING OF		
1	3	PAFZZ	8040-00-142-9193	910	74364	ADHESIVE 3569 FSCM 19397	KT	V
1	5	PAFZZ	5340-00-672-3407	AB631	71218	BRACKET, ANGLE 3783-0214 FSCM 19397	EA	2
1	7	PAFZZ	5340-00-663-9941	2194	83330	BUMPER, RUBBER 3666-0003 FSCM 19397	EA	4
1	9	PAFZZ	5975-00-273-0788	SR6P1	28520	BUSHING, STRAIN REL 32115-0062 FSCM 19397	EA	1
1	11	PAFZZ	6150-00-433-1104	17239	70903	CABLE ASSEMBLY POWER 3467-0028 FSCM 19397	EA	1
1	13	PAFZZ	5910-00-104-0903	CG152U75C1	37942	CAPACITOR, FIXED ELECTROLYTIC 32626-0703 FSCM 19397	EA	1
1	15	PAFZZ	5935-00-835-0510	M39012/21-0001	81349	CONNECTOR, RECEPTACLE, ELECTRICAL 33747 FSCM 19397	EA	6
1	17	PAFZZ	5920-00-280-8344	312-500	75915	FUSE, CARTRIDGE 3348-9502 FSCM 19397	EA	3
1	21	PAFZZ	5920-00-892-9311	HKPJE	71400	FUSEHOLDER, EXTRACTOR POST 3488-0001 FSCM 19397	EA	1
1	23	PAFZZ	5325-00-286-2580	1042	72653	GROMMET, RUBBER 3495-0037 FSCM 19397	EA	15
1	25	PAFZZ	5340-00-480-8441	6034	19397	HANDLE	EA	2
1	27	PAFZZ	5355-00-556-0151	MS91528-1D28	96906	KNOB 3458-0024 FSCM 19397	EA	2
1	29	PAFZZ	5355-00-217-2544	70-3-2G	49956	KNOB 3458-0188 FSCM 19397	EA	1
1	31	PAFZZ	6240-00-155-7836	327	08806	LAMP, INCANDESCENT 87-0342 FSCM 19397	EA	4
1	33	PAFZZ	5310-00-582-8539	S-440-2-C	46384	NUT, PLAIN, CLINCH 3332-0053 FSCM 19397	EA	8
1	35	PAFZZ		S-362-3-C	46384	NUT, PLAIN, CLINCH 3332-0078 FSCM 19397	EA	6
1	37	PAFZZ		F-440-2	64384	NUT, PLAIN, CLINCH 3625-2002 FSCM 19397	EA	8
1	39	PAFZZ	5940-00-615-2282	111-102	74970	POST, BINDING, ELECTRICAL 3629-0102 FSCM 19397	EA	1
1	41	PAFZZ	5940-00-688-2770	111-103	74970	POST, BINDING, ELECTRICAL 3629-0103 FSCM 19397	EA	1
1	43	PAFZZ	5910-00-682-2543	VR3	37942	RETAINER, CAPACITOR 3627-0001 FSCM 19397	EA	1
1	45	PAFZZ	5320-00-860-6605	AD32BS	61957	RIVET, BLIND 3326-0032 FSCM 19397	EA	2
1	47	PAFZZ	5320-00-571-2379	10018782-040	18876	RIVET, BLIND 3326-0041 FSCM 19397	EA	2
1	49	PAFZZ	5305-00-889-3116	MS35206-213	96906	SCREW, MACHINE 175-0016 FSCM 19397	EA	14
1	51	PAFZZ	5305-00-545-6463	4032	73734	SCREW, MACHINE 177-0016 FSCM 19397	EA	4
1	53	PAFZZ	5305-00-889-3000	MS35206-230	96906	SCREW, MACHINE 177-0032 FSCM 19397	EA	6
1	57	PAFZZ	5305-00-984-6191	MS35206-243	96906	SCREW, MACHINE 178-0024 FSCM 19397	EA	4
1	59	PAFZZ	5355-00-686-1914	SL100B	49956	SHAFT LOCK, ELECTRONIC COMPONENT 3472-0001 FSCM 19397	EA	1
1	61	PAFZZ	5930-00-059-1390	46256LF	82389	SWITCH, SLIDE 3633-0001 FSCM 19397	EA	1
1	63	PAFZZ	5940-00-086-4457	118100	73734	TERMINAL, LUG 3486-0027 FSCM 19397	EA	6
1	65	PAFZZ	5940-00-786-0011	1411-4	83330	TERMINAL, LUG 3624-0002 FSCM 19397	EA	2
1	67	PAFZZ	5310-00-470-6158	1302	73734	WASHER, LOCK 620-0123 FSCM 19397	EA	11
1	69	PAFZZ	5310-00-579-0079	1304	73734	WASHER, LOCK 620-0125 FSCM 19397	EA	16

(1) ILLUSTRATION		(2)	(3)	(5)	(4)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
							USABLE ON CODE	
1	71	PAFZZ	5310-01-013-4008	1305	73734	WASHER, LOCK 620-0126 FSCM 19397	EA	4
2	3	PAFZZ	4931-01-023-8074	6151	19397	EXTENDER, CARD, ELECTRONIC TEST FOR PRINTED CIRCUIT BOARD CONSISTING OF	EA	1
2	5	PAFZZ	5935-00-401-2790	50-30B10	71785	CONNECTOR, RECEPTACLE, ELECTRICAL 3628-0215 FSCM 19397	EA	1
2	7	PAFZZ	5320-00-899-0981	AD42BS	61957	RIVET, BLIND 3326-0042 FSCM 19397	EA	3
2	9	PAFZZ	5310-00-470-6158	1302	73734	WASHER, LOCK 620-0123 FSCM 19397	EA	11
3	3	PAFZZ	4931-01-024-6943	6153	19397	CIRCUIT CARD ASSEMBLY PRINTED CIRCUIT BOARD CONSISTING OF	EA	1
3	5	PAFZZ	5970-00-100-7794	11040000-1	18876	INSULATOR, PLATE 3794-0002 FSCM 19397	EA	2
3	7	PAFZZ	5320-00-899-0981	AD42BS	61957	RIVET, BLIND 3326-0042 FSCM 19397	EA	3
3	9	PAFZZ	5305-00-889-3000	MS35206-230	96906	SCREW, MACHINE 177-0032 FSCM 19397	EA	4
3	11	PAFZZ	5961-00-199-6008	JAN2N3055	81349	TRANSISTOR 900-3055 FSCM 19397	EA	2
4	3	PAFFF	4931-01-023-8075	6154	19397	CIRCUIT CARD ASSEMBLY CONSISTING OF	EA	1
4	5	PAFZZ	5910-00-105-7162	CM05C100K03	00853	CAPACITOR, FIXED, MICA DIELECTRIC 27512-0100 FSCM 19397	EA	8
4	7	PAFZZ	5905-00-485-4545	RCR07G334JS	81349	RESISTOR, FIXED, COMPOSITION 200-0334 FSCM 19397	EA	1
4	9	PAFZZ	5961-00-400-5375	1N914	09214	SEMICONDUCTOR DEVICE, DIODE 800-0914 FSCM 19397	EA	24
4	11	PAFZZ	5961-00-062-3133	900-3646	19397	TRANSISTOR PRINTED CIRCUIT BOARD	EA	10
5	3	PAFFF		6155	19397	ERROR MULTIPLIER ASSY PRINTED CIRCUIT BOARD CONSISTING OF	EA	1
5	5	PAFZZ	5910-00-105-7162	CM05C100K03	00853	CAPACITOR, FIXED, MICA DIELECTRIC 27512-0100 FSCM 19397	EA	1
5	7	PAFZZ	5910-00-053-1469	DD222	71590	CAPACITOR, FIXED, CERAMIC DIELECTRIC 3319-0222 FSCM 19397	EA	1
5	9	PAFZZ	5910-00-810-4849	TG-S10	80183	CAPACITOR, FIXED, CERAMIC DIELECTRIC 3403-9103 FSCM 19397	EA	6
5	11	PAFZZ	5961-00-400-5375	1N914	09214	SEMICONDUCTOR DEVICE, DIODE 800-0914 FSCM 19397	EA	3
5	13	PAFZZ	5961-00-062-3133	900-3646	19397	TRANSISTOR	EA	6
5	15	PAFZZ	5961-00-087-4147	2N3705	01295	TRANSISTOR 900-3705 FSCM 19397	EA	2
5	17	PAFZZ	6145-00-764-4352	8022	70903	WIRE, ELECTRICAL 8819-0024 FSCM 19397	FT	1

(1) ILLUSTRATION		(2)	(3)	(5)	(4)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
							USABLE ON CODE	
6	3	PAFFF	4931-01-023-6580	6156	19397	CIRCUIT CARD ASSEMBLY CONSISTING OF	EA	1
6	5	PAFZZ	5910-00-105-7162	CM05C100K03	00853	CAPACITOR, FIXED MICA 27512-0100 FSCM 19397	EA	1
6	7	PAFZZ	5910-00-053-1469	DD222	71590	CAPACITOR FIXED, CERAMIC DIELECTRIC 3319-0222 FSCM 19397	EA	1
6	9	PAFZZ	5910-00-810-4849	TG-S10	80183	CAPACITOR, FIXED, CERAMIC DIELECTRIC 3403-9103 FSCM 19397	EA	7
6	13	PAFZZ	5999-00-020-9534	10171N	07047	MOUNTING PAD, ELECTRICAL-ELECTRONIC COMPONENT 3657-0001 FSCM 19397	EA	14
6	15	PAFZZ	5961-00-842-9864	JAN1N914	81349	SEMICONDUCTOR DEVICE 800-0914 FSCM 19397	EA	5
6	17	PAFZZ	5961-00-062-3133	900-3646	19397	TRANSISTOR	EA	6
6	19	PAFZZ	5961-00-087-4147	N3705	01295	TRANSISTOR 900-3705 FSCM 19397	EA	2
7	3	PAFFD	4931-01-023-6581	6157	19397	CIRCUIT CARD ASSEMBLY PRINTED CIRCUIT BOARD CONSISTING OF	EA	1
7	5	PAFZZ	5910-00-105-7162	CM05C100K03	00853	CAPACITOR, FIXED, MICA 27512-0100 FSCM 19397	EA	1
7	7	PAFZZ	5910-00-053-1469	DD222	71590	CAPACITOR, FIXED, CERAMIC DIELECTRIC 3319-0222 FSCM 19397	EA	1
7	9	PAFZZ	5999-00-020-9534	10171N	07047	MOUNTING PAD, ELECTRICAL-ELECTRONIC COMPONENT 3657-0001 FSCM 19397	EA	14
7	11	PAFZZ	5961-00-400-5375	1N914	09214	SEMICONDUCTOR DEVICE, DIODE 800-0914 FSCM 19397	EA	5
7	13	PAFZZ	5961-00-062-3133	900-3646	19397	TRANSISTOR	EA	5
7	15	PAFZZ	5961-00-087-4147	2N3705	01295	TRANSISTOR 930-3705 FSCM 19397	EA	1
8	3	PAFFD	4931-01-024-6945	6158	19397	CIRCUIT CARD ASSEMBLY 5 MHZ-1 MHZ PRINTED CIRCUIT BOARD CONSISTING OF	EA	1
8	5	PAFZZ	5910-00-810-4849	TG-S10	80183	CAPACITOR, FIXED, CERAMIC DIELECTRIC 3403-9103 FSCM 19397	EA	5
8	7	PAFZZ	5999-00-020-9534	10171N	07047	MOUNTING PAD, ELECTRICAL-ELECTRONIC COMPONENT 3657-0001 FSCM 19397	EA	14
8	9	PAFZZ	5961-00-842-9864	JAN1N914	81349	SEMICONDUCTOR DEVICE 800-0914 FSCM 19397	EA	4
8	11	PAFZZ	5961-00-062-3133	900-3646	19397	TRANSISTOR	EA	9
8	13	PAFZZ	5961-00-087-4147	2N3705	01295	TRANSISTOR 900-3705 FSCM 19397	EA	2
9	3	PAFZZ	4931-01-023-6582	6159	19397	CIRCUIT CARD ASSEMBLY PRINTED CIRCUIT BOARD CONSISTING OF	EA	1
9	5	PAFZZ	5910-00-810-4849	TG-S10	80183	CAPACITOR, FIXED CER 3403-9103 FSCM 19397	EA	5

(1) ILLUSTRATION		(2)	(3)	(5)	(4)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
9	7	PAFZZ	5999-00-020-9534	10171N	07047	MOUNTING PAD, ELECTRICAL-ELECTRONIC COMPONENT 3657-0001 FSCM 19397	EA	14
9	9	PAFZZ	5961-00-908-9666	88000	17069	MOUNTING PAD, TRANSISTOR 82 FSCM 19397	EA	5
9	11	PAFZZ	5961-00-400-5375	1N914	09214	SEMICONDUCTOR DEVICE, DIODE 800-0914 FSCM 19397	EA	1
9	13	PAFZZ	5961-00-930-5326	2N3702	01295	TRANSISTOR 900-3702 FSCM 19397	EA	1
9	15	PAFZZ	5961-00-087-4147	2N3705	01295	TRANSISTOR 900-3705 FSCM 19397	EA	8
10	3	PAFZZ	4931-01-024-6940	6160	19397	CIRCUIT CARD ASSEMBLY PRINTED CIRCUIT BOARD CONSISTING OF	EA	1
10	5	PAFZZ	5961-00-908-9666	88000	17069	MOUNTING PAD, TRANSISTOR 82 FSCM 19397	EA	5
10	7	PAFZZ		IN3193	02737	SEMICONDUCTOR DEVICE 800-3193 FSCM 19397	EA	4
10	9	PAFZZ	5961-00-845-6458	JAN1N756A	81349	SEMICONDUCTOR DEVICE DIODE 801-0756 FSCM 19397	EA	1
10	11	PAFZZ	5961-00-930-5326	2N3702	01295	TRANSISTOR 900-3702 FSCM 19397	EA	1
10	13	PAFZZ	5961-00-087-4147	2N3705	01295	TRANSISTOR 900-3705 FSCM 19397	EA	1
11	3	PAFFF	4931-01-024-6944	6161	19397	CIRCUIT CARD ASSEMBLY PRINTED CIRCUIT BOARD CONSISTING OF	EA	1
11	5	PAFZZ	5910-00-726-8472	192P10492	56289	CAPACITOR, FIXED, PLASTIC DIELECTRIC 3324-9102 FSCM 19397	EA	1
11	7	PAFZZ	5910-00-727-2551	192P22492	56289	CAPACITOR, FIXED, PLASTIC DIELECTRIC 3324-9222 FSCM 19397	EA	1
11	9	PAFZZ	5910-00-087-5437	31-205C	09134	CAPACITOR, FIXED, PLASTIC DIELECTRIC 3611-9201 FSCM 19397	EA	2
11	11	PAFZZ	5961-00-908-9666	88000	17069	MOUNTING PAD, TRANSISTOR 82 FSCM 19397	EA	5
11	13	PAFZZ	5905-00-723-9072	3068P1-104	80294	RESISTOR, VARIABLE, NONWIRE WOUND 3598-0104 FSCM 19397	EA	2
11	15	PAFZZ	5961-00-400-5375	1N914	09214	SEMICONDUCTOR DEVICE, DIODE 800-0914 FSCM 19397	EA	6
11	17	PAFZZ	5961-00-821-2309	JAN1N751A	81349	SEMICONDUCTOR DEVICE, DIODE 801-0751 FSCM 19397	EA	1
11	19	PAFZZ	5961-00-932-0418	2N3707	01295	TRANSISTOR 950-3707 FSCM 19397	EA	2
12	3	PAFFF	4931-01-024-6941	6162	19397	CIRCUIT CARD ASSEMBLY PRINTED CIRCUIT BOARD CONSISTING OF	EA	1
12	5	PAFZZ	5910-00-105-7162	CM05C100K03	00853	CAPACITOR, FIXED, MICA 27512-0100 FSCM 19397	EA	2
12	7	PAFZZ	5910-00-810-4849	TG-S10	80183	CAPACITOR, FIXED, CERAMIC DIELECTRIC 3403-9103 FSCM 19397	EA	2
12	9	PAFZZ	5910-00-087-5437	31-205C	09134	CAPACITOR, FIXED, PLASTIC DIELECTRIC 3611-9201 FSCM 19397	EA	1
12	11	PAFZZ	5999-00-020-9534	10171N	07047	MOUNTING PAD, ELECTRICAL-ELECTRONIC COMPONENT 3657-0001 FSCM 19397	EA	14
12	13	PAFZZ	5961-00-908-9666	88000	17069	MOUNTING PAD, TRANSISTOR 82 FSCM 19397	EA	5
12	15	PAFZZ	5961-00-400-5375	1N914	09214	SEMICONDUCTOR DEVICE, DIODE 800-0914 FSCM 19397	EA	11

(1) ILLUSTRATION		(2)	(3)	(5)	(4)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
							USABLE ON CODE	
12	17	PAFZZ	5961-00-062-3133	900-3646	19397	TRANSISTOR	EA	11
12	19	PAFZZ	5961-00-930-5326	2N3702	01295	TRANSISTOR 900-3702 FSCM 19397	EA	1
13	3	PAFFF	4931-01-023-6583	6163	19397	CIRCUIT CARD ASSEMBLY PRINTED CIRCUIT BOARD CONSISTING OF	EA	1
13	5	PAFZZ	5910-00-993-1712	192P22292	56289	CAPACITOR, FIXED, PLASTIC DIELECTRIC 3324-9224 FSCM 19397	EA	2
13	7	PAFZZ	5910-00-810-4849	TG-S10	80183	CAPACITOR, FIXED, CERAMIC DIELECTRIC 3403-9103 FSCM 19397	EA	3
13	9	PAFZZ	5961-00-908-9666	88000	17069	MOUNTING PAD, TRANSISTOR 82 FSCM 19397	EA	5
13	11	PAFZZ	5999-00-020-9534	10171N	07047	MOUNTING PAD, ELECTRICAL-ELECTRONIC COMPONENT 3657-0001 FSCM 19397	EA	13
13	13	PAFZZ	5905-00-938-7363	62PR10K	73138	RESISTOR, VARIABLE, NONWIRE WOUND 3838-0103 FSCM 19397	EA	2
13	17	PAFZZ	5905-00-830-4776	62PR5K	73138	RESISTOR, VARIABLE, NONWIRE WOUND 3838-0502 FSCM 19397	EA	1
13	19	PAFZZ	5905-00-068-6962	3067P-1-102	80294	RESISTOR, VARIABLE, WIRE WOUND 3596-0102 FSCM 19397	EA	1
13	21	PAFZZ	5905-00-521-1128	3067P1-502	80294	RESISTOR, VARIABLE, WIRE WOUND 3596-502 FSCM 19397	EA	1
13	23	PAFZZ	5961-00-400-5375	1N914	09214	SEMICONDUCTOR DEVICE, DIODE 800-0914 FSCM 19397	EA	2
13	25	PAFZZ	5961-00-954-6100	JAN2N708	81349	TRANSISTOR 900-0708 FSCM 19397	EA	1
13	27	PAFZZ	5961-00-062-3133	900-3646	19397	TRANSISTOR	EA	2
13	27	PAFZZ	5961-00-062-3133	900-3646	19397	TRANSISTOR	EA	2
13	29	PAFZZ	5961-00-930-5326	2N3702	01295	TRANSISTOR 900-3702 FSCM 19397	EA	2
13	31	PAFZZ	5961-00-087-4147	2N3705	01295	TRANSISTOR 900-3705 FSCM 19397	EA	6
14	3	PAFZZ	4931-01-023-8076	6164	19397	CIRCUIT CARD ASSEMBLY PRINTED CIRCUIT BOARD CONSISTING OF	EA	1
14	5	PAFZZ	5910-00-928-0947	PC41H300	81349	CAPACITOR, VARIABLE 3632-0011 FSCM 19397	EA	1
14	7	PAFZZ	5955-00-999-3734	3630-0001	19397	CRYSTAL, UNIT, QUARTZ	EA	1
14	9	PAFZZ	5935-00-990-6219	80000DG1	91506	SOCKET, PLUG-IN ELECTRONIC COMPONENTS 3631-001 FSCM 19397	EA	1
15	3	PAFFD	4931-01-023-6584	6165	19397	CIRCUIT CARD ASSEMBLY PRINTED CIRCUIT BOARD CONSISTING OF	EA	1
15	5	PAFZZ	5935-00-401-2790	50-30B10	71785	CONNECTOR, RECEPTACLE, ELECTRICAL 3628-0215 FSCM 19397	EA	15
15	7	PAFZZ	5320-00-965-7109	AD46BS	07707	RIVET, BLIND 3326-0046 FSCM 19397	EA	30
15	9	PAFZZ	5940-00-280-1712	1558-3	71279	TERMINAL, STUD 610-0141 FSCM 19397	EA	46
15	11	PAFZZ	6145-00-316-9039	8020	70903	WIRE ELECTRICAL 8020 FSCM 19397	IN	1
16	3	PAFZZ	4931-01-023-6585	6166	19397	CIRCUIT CARD ASSEMBLY PRINTED CIRCUIT BOARD	EA	1

(1) ILLUSTRATION		(2)	(3)	(5)	(4)	(6)	(7)	(8)	
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	U/M	QTY INC IN UNIT
						CONSISTING OF			
16	5	PAFZZ	5340-00-316-9250	6261	72653	BRACKET, ANGLE 3783-0213 FSCM 19397		EA	2
16	7	PAFFZ	5910-00-668-3065	TVA-1702	80183	CAPACITOR, FIXED, ELECTROLYTIC 3610-0066 FSCM 19397		EA	1
16	9	PAFZZ	5961-00-900-0995	IN3255	02735	SEMICONDUCTOR DEVICE 800-3255 FSCM 19397		EA	1
16	11	PAFZZ	5310-00-470-6158	1302	73734	WASHER, LOCK 620-0123 FSCM 19397		EA	11
17	3	PAFFF	4931-01-024-9974	6168	19397	MODULE ASSEMBLY		EA	1
18	3	PAFFD	4931-01-023-6550	6169	19397	MODULE ERROR MULTIPLIER ASSEMBLY		EA	1
						CONSISTING OF			
18	5	PAFZZ	5310-00-582-8539	S440-2C	46384	NUT, PLAIN, CLINCH 3332-0053 FSCM 19397		EA	8
18	7	PAFZZ	5305-00-993-0191	MS35206-212	96906	SCREW, MACHINE 175-0012 FSCM 19397		EA	4
19	3	PAFFD	4931-01-023-6551	6170	19397	MODULE ERROR MULTIPLIER ASSEMBLY		EA	1
						CONSISTING OF			
19	5	PAFZZ	5305-00-993-0191	MS35206-212	96906	SCREW, MACHINE 175-0012 FSCM 19397		EA	4
19	7	PAFZZ	5310-00-582-8539	S440-2C	46384	NUT, PLAIN, CLINCH 3332-C053 FSCM 19397		EA	7
20	3	PAFFD	4931-01-023-6552	6171	19397	MODULE REFERENCE INPUT ASSEMBLY		EA	1
						CONSISTING OF			
20	5	PAFZZ	5310-00-582-8539	S440-2C	46384	NUT, PLAIN, CLINCH 332-0053 FSCM 19397		EA	7
20	7	PAFZZ	5305-00-993-0191	MS35206-212	96906	SCREW, MACHINE 175-0012 FSCM 19397		EA	4
21	3	PAFFF	4931-01-023-6553	6172	19397	MODULE ASSEMBLY 5MC-1MC		EA	1
						Consisting of			
21	5	PAFZZ	5310-00-582-8539	S440-2C	46384	NUT, PLAIN, CLINCH 3332-0053 FSCM 19397		EA	7
21	7	PAFZZ	5305-00-993-0191	MS35206-212	96906	SCREW, MACHINE 175-0012 FSCM 19397		EA	1
22	3	PAFZZ	4931-01-023-6554	6173	19397	MODULE BUFFER AMPLIFIER ASSEMBLY		EA	1

(1) ILLUSTRATION		(2)	(3)	(5)	(4)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
23	3	PAFZZ	4931-01-023-6555	6174	19397	MODULE POWER SUPPLY ASSEMBLY	EA	1
24	3	PAFFF	4931-01-023-6556	6175	19397	MODULE DIFFERENTIATOR INTEGRATOR ASSY	EA	1
25	3	PAFFF	4931-01-023-6557	6193	19397	MODULE SINGLE SHOT-PHASE COMPARATOR ASSEMBLY	EA	1
26	3	PAFFF	4931-01-023-6558	6194	19397	MODULE SCOPE DRIVER ASSY	EA	1
27	3	PAFZZ	4931-01-024-6917	6195	19397	MODULE CRYSTAL FILTER ASSEMBLY CONSISTING OF	EA	1
27	5	PAFZZ	5310-00-582-8539	S440-2C	46384	NUT, PLAIN, CLINCH 3332-0053 FSCM 19397	EA	7
27	7	PAFZZ	5305-00-993-0191	MS35206-212	96906	SCREW, MACHINE 175-0012 FSCM 19397	EA	1
28	3	PAFFD	4931-01-024-6967	6316	19397	ELECTRONIC COMPONENT ASSEMBLY CONSISTING OF	EA	1
28	5	PAFZZ	6145-00-866-2302	8451	70903	CABLE, SPECIAL PURPOSE, ELECTRICAL 3824-0001 FSCM 19397	FT	4
28	7	PAFZZ		27S-1-103M	80294	RESISTOR 3578-0103 FSCM 19397	EA	1
28	9	PAFZZ	5935-00-827-7107	411SBU	01009	SOCKET, PLUG-IN ELECTRONIC COMPONENTS 25306 FSCM 19397	EA	1
28	11	PAFZZ	5930-00-918-4456	34-192	72653	SWITCH 3490-0003 FSCM 19397	EA	1
28	13	PAFFZ	5930-00-991-1801	34-182	72653	SWITCH, TOGGLE 3490-0002 FSCM 19397	EA	2
28	15	PAFZZ	6145-00-836-6917	8021	70903	WIRE, ELECTRICAL 8819-0022 FSCM 19397	LB	24

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5999-00-020-9534	6	13	5910-00-727-2551	11	7
5999-00-020-9534	7	9	5910-00-728-8472	11	5
5999-00-020-9534	8	7	6145-00-764-4352	5	17
5999-00-020-9534	9	7	5940-00-786-0011	1	65
5999-00-020-9534	12	11	5910-00-810-4849	5	9
5999-00-020-9534	13	11	5910-00-810-4849	6	9
5910-00-053-1469	5	7	5910-00-810-4849	8	5
5910-00-053-1469	6	7	5910-00-810-4849	9	5
5910-00-053-1469	7	7	5910-00-810-4849	12	7
5930-00-059-1390	1	61	5910-00-810-4849	13	7
5961-00-062-3133	4	11	5961-00-821-2309	11	17
5961-00-062-3133	5	13	5935-00-827-7107	28	9
5961-00-062-3133	6	17	5905-00-830-4776	13	17
5961-00-062-3133	7	13	5935-00-835-0510	1	15
5961-00-062-3133	8	11	6145-00-836-6917	28	15
5961-00-062-3133	12	17	5961-00-842-9864	6	15
5961-00-062-3133	13	27	5961-00-842-9864	8	9
5961-00-062-3133	13	27	5961-00-845-6458	10	9
5905-00-068-6962	13	19	5320-00-860-6605	1	45
5940-00-086-4457	1	63	6145-00-866-2302	28	5
5961-00-087-4147	5	15	5305-00-889-3000	1	53
5961-00-087-4147	6	19	5305-00-889-3000	3	9
5961-00-087-4147	7	15	5305-00-889-3116	1	49
5961-00-087-4147	8	13	5920-00-892-9311	1	21
5961-00-087-4147	9	15	5320-00-899-0981	2	7
5961-00-087-4147	10	13	5320-00-899-0981	3	7
5961-00-087-4147	13	31	5961-00-900-0995	16	9
5910-00-087-5437	11	9	5961-00-908-9666	9	9
5910-00-087-5437	12	9	5961-00-908-9666	10	5
5970-00-100-7794	3	5	5961-00-908-9666	11	11
5910-00-105-7162	4	5	5961-00-908-9666	12	13
5910-00-105-7162	5	5	5961-00-908-9666	13	9
5910-00-105-7162	6	5	5930-00-918-4456	28	11
5910-00-105-7162	7	5	5910-00-928-0947	14	5
5910-00-105-7162	12	5	5961-00-930-5326	9	13
8040-00-142-9193	1	3	5961-00-930-5326	10	11
6240-00-155-7836	1	31	5961-00-930-5326	12	19
5961-00-199-6008	3	11	5961-00-930-5326	13	29
5355-00-217-2544	1	29	5961-00-932-0418	11	19
5975-00-273-0788	1	9	5905-00-938-7363	13	13
5940-00-280-1712	15	9	5961-00-954-6100	13	25
5920-00-280-8344	1	17	5320-00-965-7109	15	7
5325-00-286-2580	1	23	5305-00-984-6191	1	57
6145-00-316-9039	15	11	5935-00-990-6219	14	9
5340-00-316-9250	16	5	5930-00-991-1801	28	13
5961-00-400-5375	4	9	5305-00-993-0191	18	7
5961-00-400-5375	5	11	5305-00-993-0191	19	5
5961-00-400-5375	7	11	5305-00-993-0191	20	7
5961-00-400-5375	9	11	5305-00-993-0191	21	7
5961-00-400-5375	11	15	5305-00-993-0191	27	7
5961-00-400-5375	12	15	5910-00-993-1712	13	5
5961-00-400-5375	13	23	5955-00-999-3734	14	7
5935-00-401-2790	2	5	5310-01-013-4008	1	71
5935-00-401-2790	15	5	4931-01-023-6550	18	3
6150-00-433-1104	1	11	4931-01-023-6551	19	
5310-00-470-6158	1	67	4931-01-023-6552	20	3
5310-00-470-6158	2	9	4931-01-023-6553	21	3
5310-00-470-6158	16	11	4931-01-023-6554	22	3
5340-00-480-8441	1	25	4931-01-023-6555	23	3
5905-00-485-4545	4	7	4931-01-023-6556	24	3
5905-00-521-1128	13	21	4931-01-023-6557	25	3
5305-00-545-6463	1	51	4931-01-023-6558	26	3
5355-00-556-0151	1	27	4931-01-023-6580	6	3
5320-00-571-2379	1	47	4931-01-023-6581	7	3
5310-00-579-0079	1	69	4931-01-023-6582	9	3
5310-00-582-8539	1	33	4931-01-023-6583	13	
5310-00-582-8539	18	5	4931-01-023-6584	15	3
5310-00-582-8539	19	7	4931-01-023-6585	16	3
5310-00-582-8539	20	5	4931-01-023-8074	2	3
5310-00-582-8539	21	5	4931-01-023-8075	4	3
5310-00-582-8539	27	5	4931-01-023-8076	14	3
5940-00-615-2282	1	39	4931-01-024-6917	27	3
5340-00-663-9941	1	7	4931-01-024-6940	10	3
5910-00-668-3065	16	7	4931-01-024-6941	12	3
5340-00-672-3407	1	5	4931-01-024-6943	3	3
5910-00-682-2543	1	43	4931-01-024-6944	11	3
5355-00-686-1914	1	59	4931-01-024-6945	8	3
5940-00-688-2770	1	41	4931-01-024-6967	28	3
5905-00-723-9072	11	13	4931-01-024-9974	17	3

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
AB631	71218	1	5	17239	70903	1	11
AD32BS	61957	1	45	192P10492	56289	11	5
AD42BS	61957	2	7	192P22292	56289	13	5
AD42BS	61957	3	7	192P22492	56289	11	7
AD46BS	07707	15	7	2N3702	01295	9	13
CM05C100K03	00853	4	5	2N3702	01295	10	11
CM05C100K03	00853	5	5	2N3702	01295	12	19
CM05C100K03	00853	6	5	2N3702	01295	13	29
CM05C100K03	00853	7	5	2N3705	01295	5	15
CM05C100K03	00853	12	5	2N3705	01295	7	15
DD222	71590	5	7	2N3705	01295	8	13
DD222	71590	6	7	2N3705	01295	9	15
DD222	71590	7	7	2N3705	01295	10	13
F-440-2	64384	1	37	2N3705	01295	13	31
HKPJE	71400	1	21	2N3707	01295	11	19
IN3193	02737	10	7	2194	83330	1	7
IN3255	02735	16	9	27S-1-103M	80294	28	7
JAN1N751A	81349	11	17	3067P-1-102	80294	13	19
JAN1N756A	81349	10	9	3067P1-502	80294	13	21
JAN1N914	81349	6	15	3068P1-104	80294	11	13
JAN1N914	81349	8	9	31-205C	09134	11	9
JAN2N3055	81349	3	11	31-205C	09134	12	9
JAN2N708	81349	13	25	312-500	75915	1	17
MS35206-212	96906	18	7	327	08806	1	31
MS35206-212	96906	19	5	34-182	72653	28	13
MS35206-212	96906	20	7	34-192	72653	28	11
MS35206-212	96906	21	7	3630-0001	19397	14	7
MS35206-212	96906	27	7	4032	73734	1	51
MS35206-213	96906	1	49	411SBU	01009	28	9
MS35206-230	96906	1	53	46256LF	82389	1	61
MS35206-230	96906	3	9	50-30B10	71785	2	5
MS35206-243	96906	1	57	50-30B10	71785	15	5
MS91528-1D2B	96906	1	27	6034	19397	1	25
M39012/21-0001	81349	1	15	6151	19397	2	3
N3705	01295	6	19	6153	19397	3	3
PC41H300	81349	14	5	6154	19397	4	3
RCR07G334JS	81349	4	7	6155	19397	5	3
S-362-3-C	46384	1	35	6156	19397	6	3
S-440-2-C	46384	1	33	6157	19397	7	3
SL100B	49956	1	59	6158	19397	8	3
SR6P1	28520	1	9	6159	19397	9	3
S440-2C	46384	18	5	6160	19397	10	3
S440-2C	46384	19	7	6161	19397	11	3
S440-2C	46384	20	5	6162	19397	12	3
S440-2C	46384	21	5	6163	19397	13	3
S440-2C	46384	27	5	6164	19397	14	3
TG-S10	80183	5	9	6165	19397	15	3
TG-S10	80183	6	9	6166	19397	16	3
TG-S10	80183	8	5	6168	19397	17	3
TG-S10	80183	9	5	6169	19397	18	3
TG-S10	80183	12	7	6170	19397	19	3
TG-S10	80183	13	7	6171	19397	20	3
TVA-1702	80183	16	7	6172	19397	21	3
VR3	37942	1	43	6173	19397	22	3
1N914	09214	4	9	6174	19397	23	3
1N914	09214	5	11	6175	19397	24	3
1N914	09214	7	11	6193	19397	25	3
1N914	09214	9	11	6194	19397	26	3
1N914	09214	11	15	6195	19397	27	3
1N914	09214	12	15	62PR10K	73138	13	13
1N914	09214	13	23	62PR5K	73138	13	17
10018782-040	18876	1	47	6261	72653	16	5
10171N	07047	6	13	6316	19397	28	3
10171N	07047	7	9	70-3-2G	49956	1	29
10171N	07047	8	7	8000DG1	91506	14	9
10171N	07047	9	7	8020	70903	15	11
10171N	07047	12	11	8021	70903	28	15
10171N	07047	13	11	8022	70903	5	17
1042	72653	1	23	8451	70903	28	5
11040000-1	18876	3	5	88000	17069	9	9
111-102	74970	1	39	88000	17069	10	5
111-103	74970	1	41	88000	17069	11	11
118100	73734	1	63	88000	17069	12	13
1302	73734	1	67	88000	17069	13	9
1302	73734	2	9	900-3646	19397	4	11
1302	73734	16	11	900-3646	19397	5	13
1304	73734	1	69	900-3646	19397	6	17
1305	73734	1	71	900-3646	19397	7	13
1411-4	83330	1	65	900-3646	19397	8	11
1558-3	71279	15	9	900-3646	19397	12	17

PART NUMBER	FSCM	FIG. NO.	ITEM NO.		PART NUMBER	FSCM	FIG. NO.	ITEM NO.
900-3646	19397	13	27	910		74364	1	3
900-3646	19397	13	27					

By Order of the Secretary of the Army:

Official:

FRED C. WEYAND
General, United States Army
Chief of Staff

PAUL T. SMITH
Major General, United States Army
The Adjutant General

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THE METRIC SYSTEM AND EQUIVALENTS

WEIGHT MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches
 1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches
 1 Kilometer = 1000 Meters = 0.621 Miles

WEIGHTS

1 Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces
 1 Kilogram = 1000 Grams = 2.2 lb.
 1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
 1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

SQUARE MEASURE

1 Sq. Centimeter = 100 Sq. Millimeters = 0.155 Sq. Inches
 1 Sq. Meter = 10,000 Sq. Centimeters = 10.76 Sq. Feet
 1 Sq. Kilometer = 1,000,000 Sq. Meters = 0.386 Sq. Miles

CUBIC MEASURE

1 Cu. Centimeter = 1000 Cu. Millimeters = 0.06 Cu. Inches
 1 Cu. Meter = 1,000,000 Cu. Centimeters = 35.31 Cu. Feet

TEMPERATURE

$5/9(^{\circ}\text{F} - 32) = ^{\circ}\text{C}$
 212° Fahrenheit is equivalent to 100° Celsius
 90° Fahrenheit is equivalent to 32.2° Celsius
 32° Fahrenheit is equivalent to 0° Celsius
 $9/5^{\circ}\text{C} + 32 = ^{\circ}\text{F}$

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
its	Liters	0.473
arts	Liters	0.946
allons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds per Square Inch	Kilopascals	6.895
Miles per Gallon	Kilometers per Liter	0.425
Miles per Hour	Kilometers per Hour	1.609

TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
ers	Gallons	0.264
ms	Ounces	0.035
ograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pounds-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
ometers per Liter	Miles per Gallon	2.354
ometers per Hour	Miles per Hour	0.621



