

TECHNICAL MANUAL

**ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT
MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)
FOR**

**MOTOR GENERATORS
PU-126/U, PU-126A/U, AND PU-126B/U
(NSN 6125-00-509-5605)**

HEADQUARTERS, DEPARTMENT OF THE ARMY

NOVEMBER 1977

TECHNICAL MANUAL }
No. 11-6125-210-24P }

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 14 November 1977

**ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LISTS
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FOR
MOTOR GENERATORS PU-126/U, PU-126A/U, AND PU-126B/U
(NSN 6125-00-509-5605)**

Current a of 28 July 1977

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*This manual supersedes TM 11-6125-210-24P, 16 December 1974.

**SECTION I
INTRODUCTION**

1. Scope

This manual lists spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of organizational, direct support, and general support maintenance of the PU-126/U, PU-126A/U, and PU-126B/U. It authorizes the requisitioning and issue of spares and pair parts as indicated by the source and maintenance codes.

2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. Section II. Repair Parts List A list of spares and repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in numeric sequence, with the parts in each group listed in figure and item number sequence.

b. Section III. Special Too List Not applicable.

c. Section IV. National Stock Number and Part Number Index. A list, in National item identification number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list, in alphameric sequence, of all part number appearing in the listings. National stock numbers and par numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns

a. Illustration. This column is divided as follows:

(1) Figure number Indicates the figure number of the illustration on which the item is shown.

(2) Item number. The number used to identify item called out in the illustration.

b. Source, Maintenance, and Recoverability (SMR) Codes.

(1) Source cod Source codes indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

Code	Definition
PA-	Item procured and stocked for anticipated or known usage.

XD-A support item that is not stocked. When required, item will be procured through normal supply channels.

NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA and aircraft support items as restricted by AR 700-42.

(2) Maintenance code. Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows:

(a) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

Code	Application/Explanation
O	-Support item is removed, replaced, used at the organizational level.
F	-Support item is removed replaced, used at the direct support level.
H	-Support item is removed, replaced, used at the general support level.

(b) The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). This position will contain one of the following maintenance codes:

Code	Application/Explanation
Z	-Nonreparable. No repair is authorized.

(3) Recoverability code. Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR Code format as follows

Recoverability codes	Definition
Z	--Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.

c. National Stock Number. Indicates the National stock number assigned to the item and will be used for requisitioning purposes.

d. Part Number Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

When a stock numbered item is requisitioned, the repair part received may have a different part number than the par being replaced.

e. Federal Supply Code for Manufacturer (FSCM). The FSCM is a 5-digit numeric code listed in SB 708-42 which is used to identify the manufacturer, distributor,

or Government agency, etc.

f. Description Indicates the Federal item name and, if required, a minimum description to identify the item.

g. Unit of Measure (U/M). Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr, etc). When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

h. Quantity Incorporated in Unit. Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly.

4. Special Information

a. Usable on codes are shown in the description column. Uncoded items are applicable to all models. Identification of the usable codes used in this publication are:

Code	Used on
A7I	PU-126AU
BBT	PU-126AJ
BBU	PU-126BJ

b. The following publications pertain to the PU-12u, PU-126A and PU-126B and its components:

- TM 11-6125-210-12, Motor Generators PU-126,
- PU-126A/U and PU-126BT
- TM 11-6125-210-35, Motor Generators PU-126,

PU-126A/, and PU-126B/U

5. How to Locate Repair Parts

a. When National stock number or part number is unknown.

(1) First. Using the table of contents, determine the functional group within which the item belongs. This is necessary since illustrations are prepared for functional groups and listing are divided into the same groups.

(2) Second. Find the illustration covering the functional group which the item belongs.

(3) Third. Identify the item on the illustration and note the illustration figure and item number of the item.

(4) Fourth. Using the Repair Parts Listing, find the figure and item number noted on the illustration.

b. When National stock number or part number is known.

(1) First. Using the Index of National Stock Number and Part Number, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

(2) Second. After finding the figure and item number, locate the figure and item number in the repair parts list.

6. Abbreviations

Not applicable.

(Next printed page is 4)

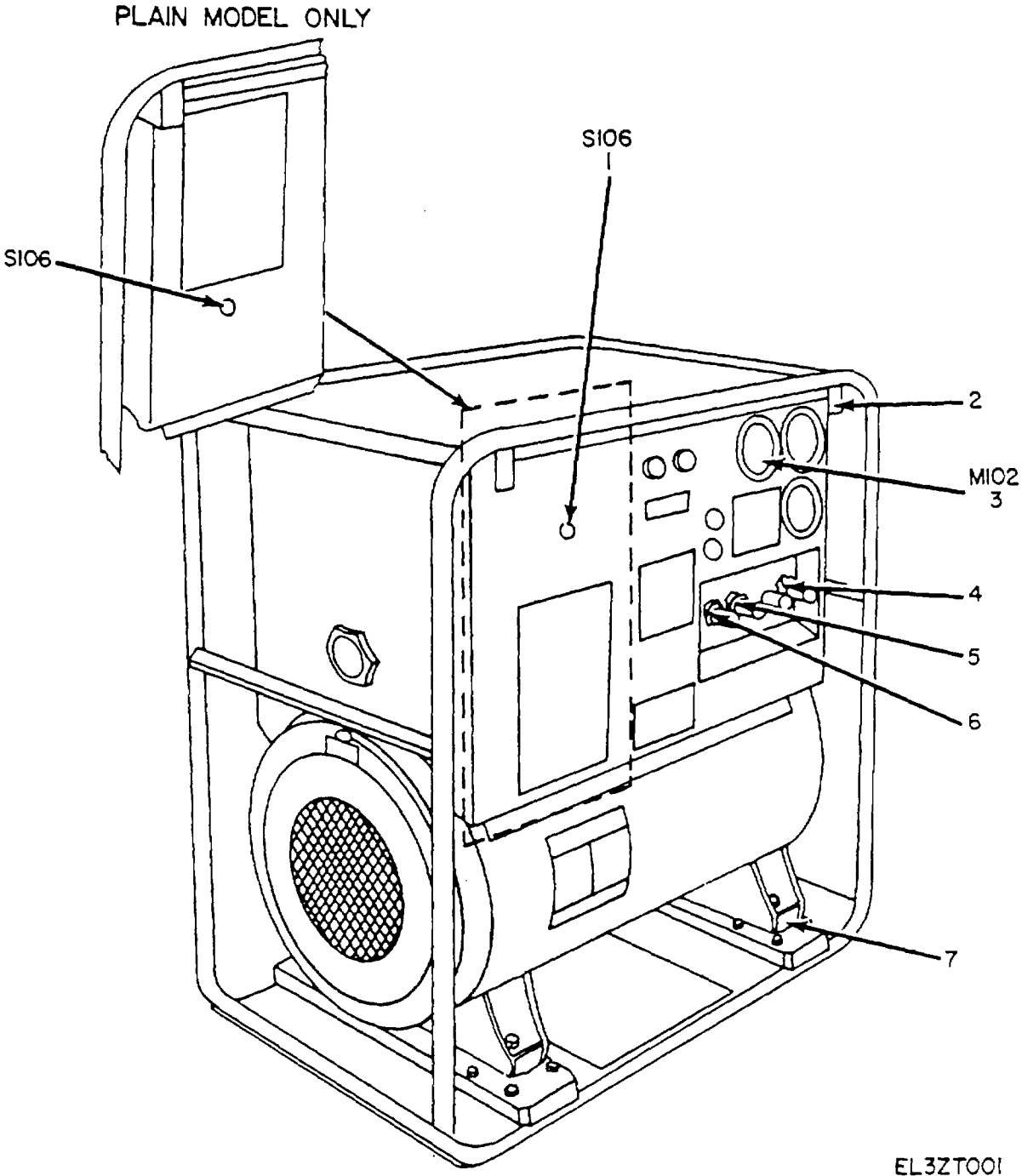


Figure 1. Motor Generators, PU-126/U, PU-126A/U, and PU-126B/U.

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
1	1	PAFZZ	5930-00-713-1082	548A510G1	24446	GROUP 00 MOTOR GENERATORS PU-126/U		
1	2	PAOZZ	5340-00-347-9741	PL24821	50870	PU-126A/U, AND PU-126B/U		
1	3	PAFZZ	6625-00-765-6232	126A1000	36024	ASSEMBLY, 8 TH , RESET		EA 1
1	4	XDOZZ		122349	98921	MOUNT, RESILIENT		EA 4
1	5	PAOZZ	5970-00-521-7902	121197	50870	AMMETER		EA 1
1	6	PAOZZ	5365-00-713-1088	126A10208	36024	TERMINAL, STUD		EA 4
1	7	XDOZZ		124703	98921	SPACER, SLEEVE	A71	EA 4
					5	SPACER, SLEEVE		EA 4
						MOUNT, RESILIENT		EA 4

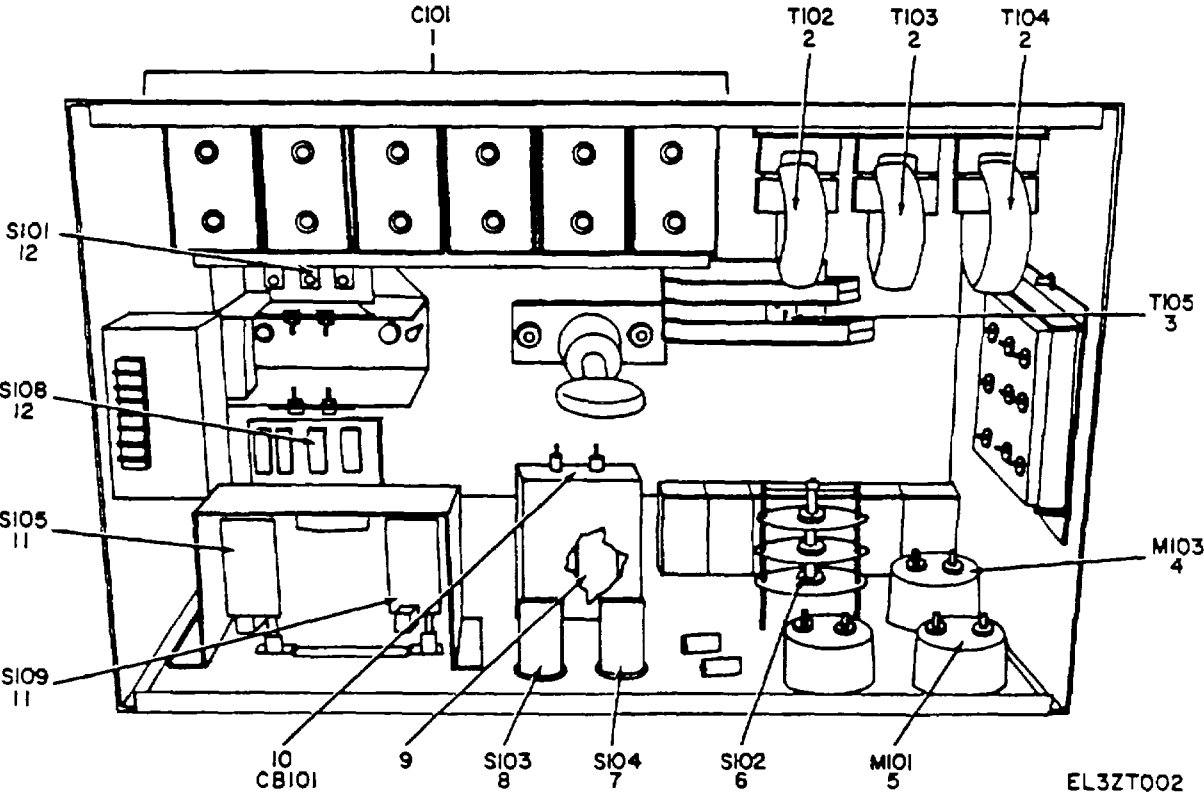
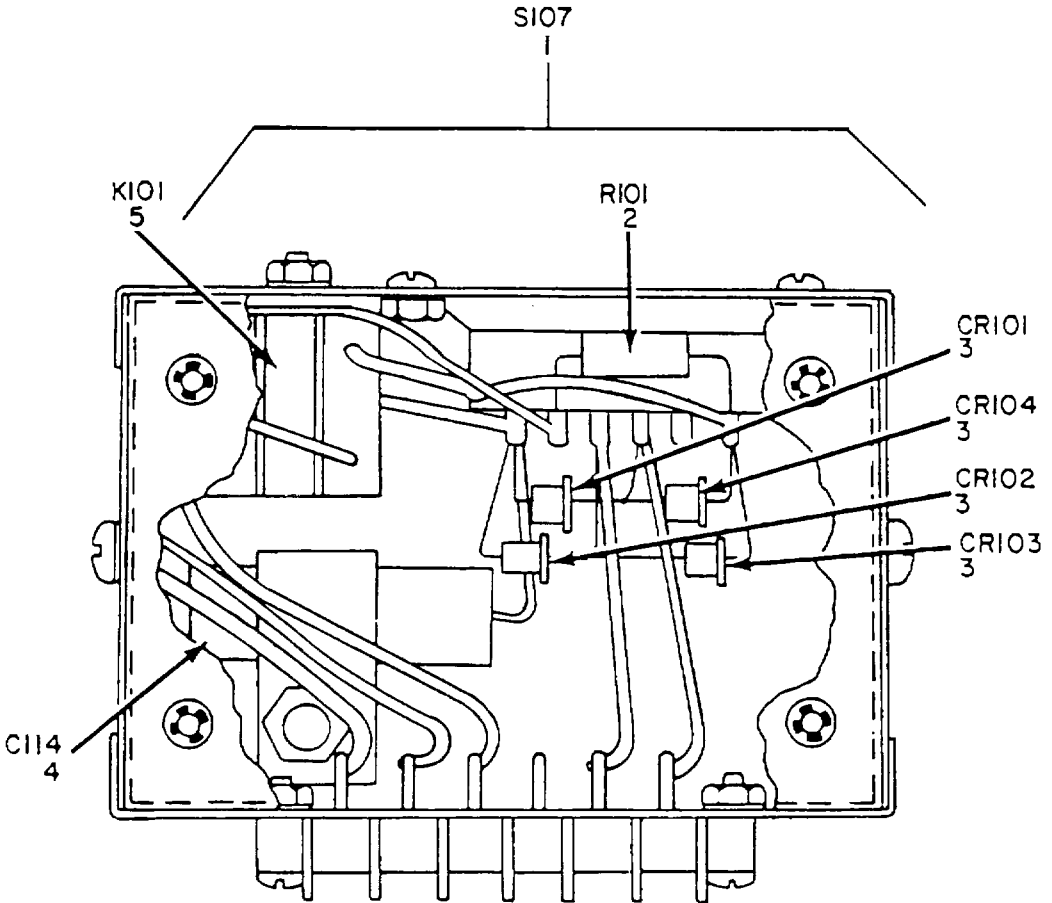


Figure 2. Motor Generators PU-126A/U, PU-126B/U, Control Box.

SECTION II

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
2	1	PAHZZ	5910-00695-6470	126A1022	26024	ASSEMBLY,CAPACITOR	EA	1
2	2	PAHZZ	5950-00-695-5180	124780	50870	TRANSFORMER,CURRENT	EA	3
2	3	XDHZZ		126A1021	36024	TRANSFORMER,PWR,VR	B8T,B8U	EA 1
2	4	PAFZZ	6625-00-510-0449	P124760	50870	METER,ELEC,FREQ	A71	EA 1
2	5	PAFZZ	6625-00-682-4774	126A1001	36024	VOLTMETER,AC	B8T,B8U	EA 1
2	6	PAFZZ	5930-00-729-2677	86-3	71628	SWITCH,ROTARY	B8T,B8U	EA 1
2	7	PAOZZ	5930-00-729-1705	CR2940U222	24446	SWITCH,PUSH	B8T,B8U	EA 1
2	8	PAOZZ	5930-00-752-2634	CR2940U219	24446	SWITCH,PUSH	B8T,B8U	EA 1
2	9	XDHZZ	5940-00-713-1077	126A1044	36024	TERMINAL BOARD		EA 1
2	10	PAFZZ	5925-00-351-6296	17399558ABDE10H	79500	CIRCUIT BREAKER		EA 1
2	11	PAFZZ	5945-00-772-0218	CR2824-426	03350	RELAY,THERMAL	B8T,B8U	EA 2
2	12	PAHZZ	5945-00-688-7216	CR105000080C	24448	RELAY SOLENOID	B8T,B8U	EA 2
					7			



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Figure 3. Motor Generators PU-126A/U, PU-126B/U, S107, Timer Relay Assembly.

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION		(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM		USABLE ON CODE	U/M	QTY INC IN UNIT
3	1	XDHZZ		SMC369404	80058	TIMER RLEAY ASSY	B8T,B8U	EA	1
3	2	PAHZZ	5905-00-147-7649	RCR42G39JS	81349	RESISTOR,FXD,CMPSN	B8T,B8U	EA	1
3	3	PAHZZ	5961-00-978-7660	1N540	03508	SEMICONDUCTOR,DIODE	B8T,B8U	EA	4
3	4	PAHZZ	5910-00-823-1099	CP05A1KC105K3	81349	CAPACITOR,FXD,PAPER	B8T,B8U	EA	1
3	5	PAHZZ	5945-00-775-0408	KA1752-1	77342	RELAY,ARMATURE	B8T,B8U	EA	1
					9				

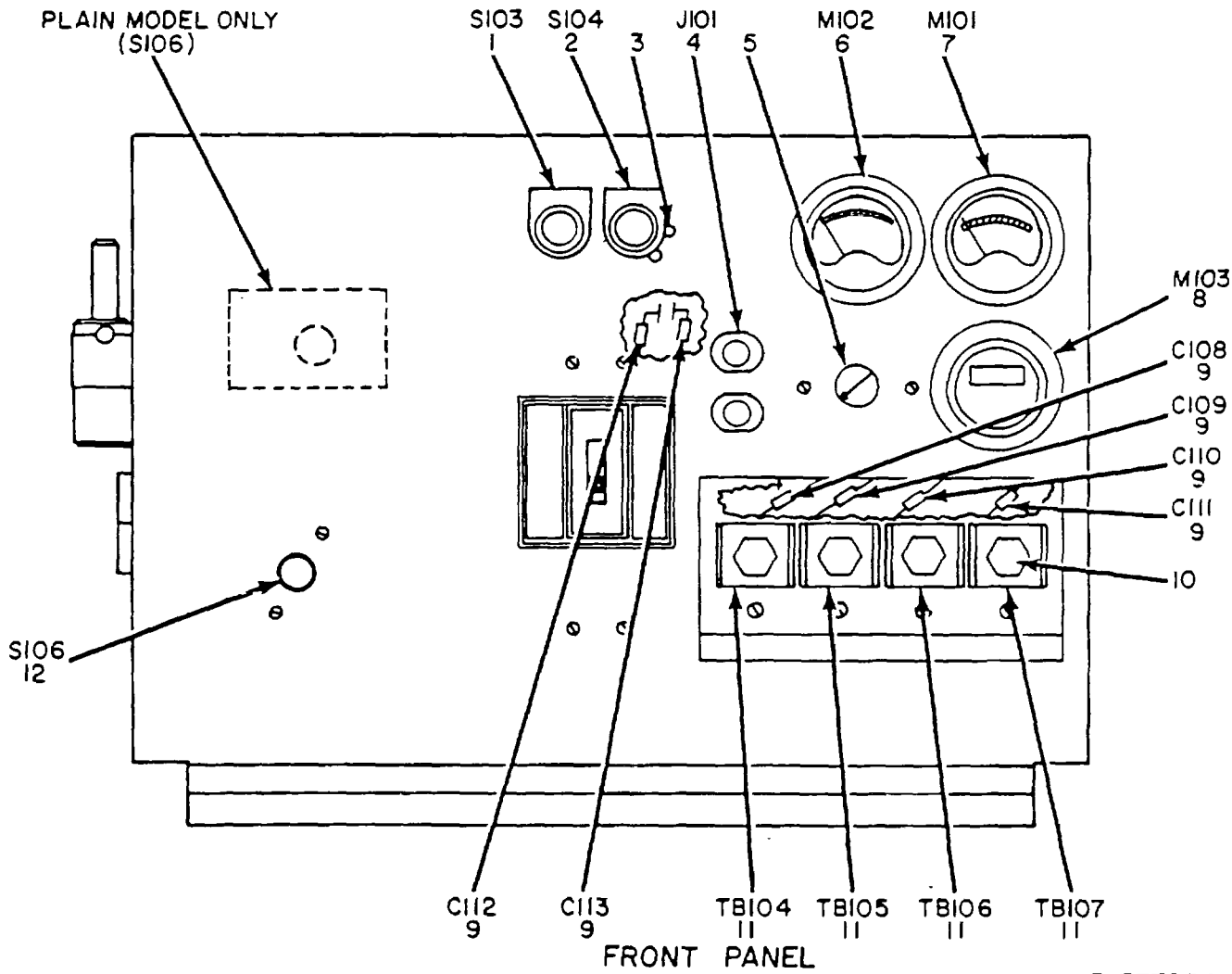


Figure 4. Motor Generators PU-126/U, PU-126A/U, PU-126B/U, Front Panel.

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
4	1	XDOZZ		124788	98921	SWITCH,PUSH	A71	EA 1
4	2	XDOZZ		124787	98921	SWITCH,PUSH	A71	EA 1
4	3	XDOZZ		02133	79500	SWITCH,LATCH	A71	EA 1
4	4	XDOZZ		PS123074	98921	CONNECTOR,RCPT	A71	EA 1
4	4	PAOZZ	5935-00-444-7767	S2404CCT	71785	CONNECTOR,RCPT	B8T,B8U	EA 1
4	5	PAOZZ	5355-00-695-5181	PS122993	50870	KNOB	A71	EA 1
4	5	XDOZZ		126A1126	36024	KNOB	B8T,B8U	EA 1
4	6	PAFZZ	6625-00-510-0492	P124730	50870	AMMETER	A71	EA 1
4	7	PAFZZ	6625-00-510-0505	124731	50870	VOLTMETER	A71	EA 1
4	8	PAFZZ	6625-00-682-4778	126A1011	36024	METER,ELEC,FREQ	B8T,B8U	EA 1
4	9	PAFZZ	5910-00-577-1348	CA37KFW103	81349	CAPACITOR,FXD,PAPER		EA 6
4	10	PAFZZ	5310-00-506-4282	S122343	90921	NUT,INSULATED		EA 4
4	11	PAFZZ	5940-00-713-1087	126A1020A	36024	TERMINAL BOARD		EA 5
4	12	PAFZZ	6110-00-695-5203	124737	50870	ASSEMBLY,BTM,RESET	A71	EA 1
					11			

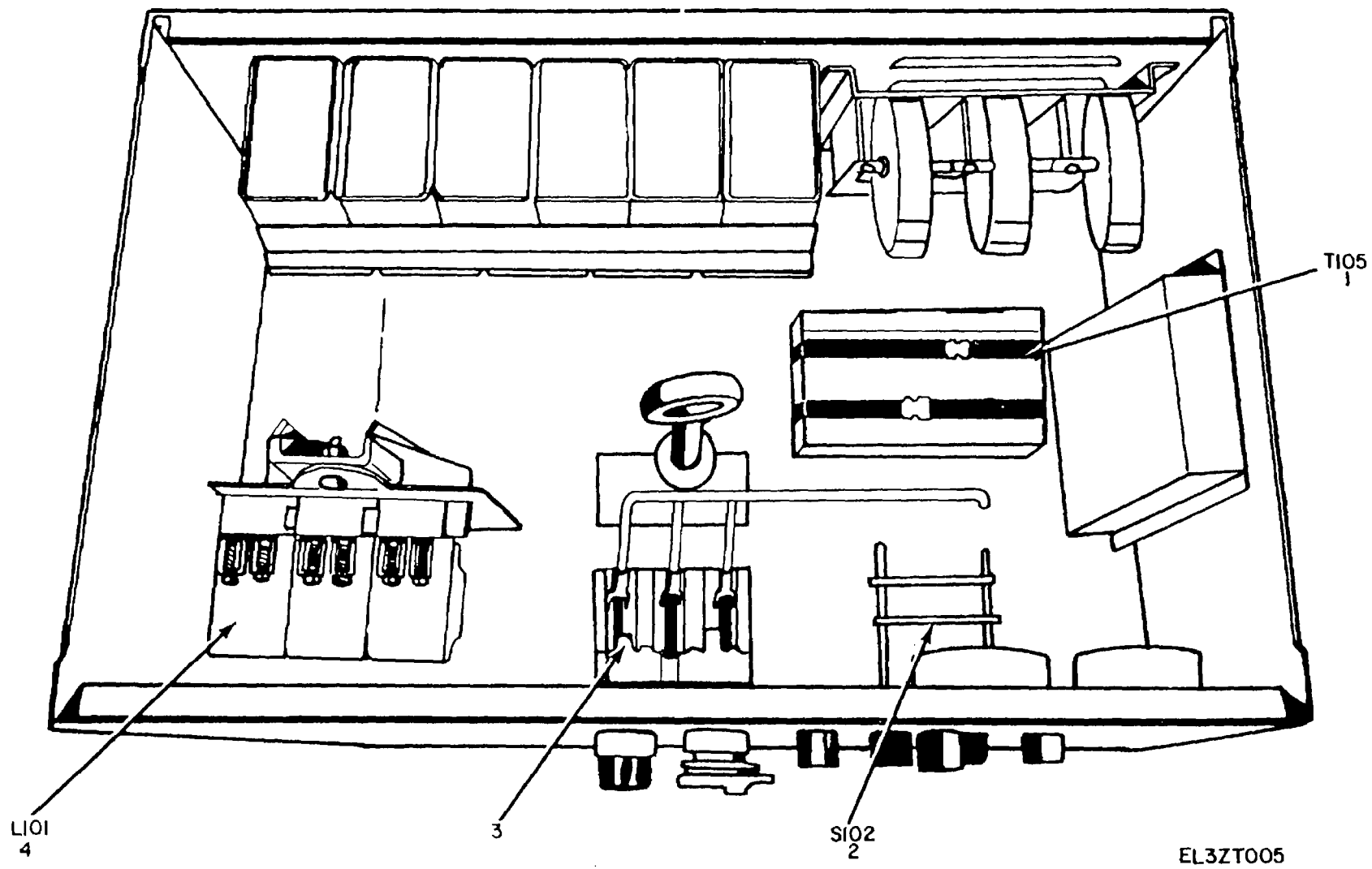
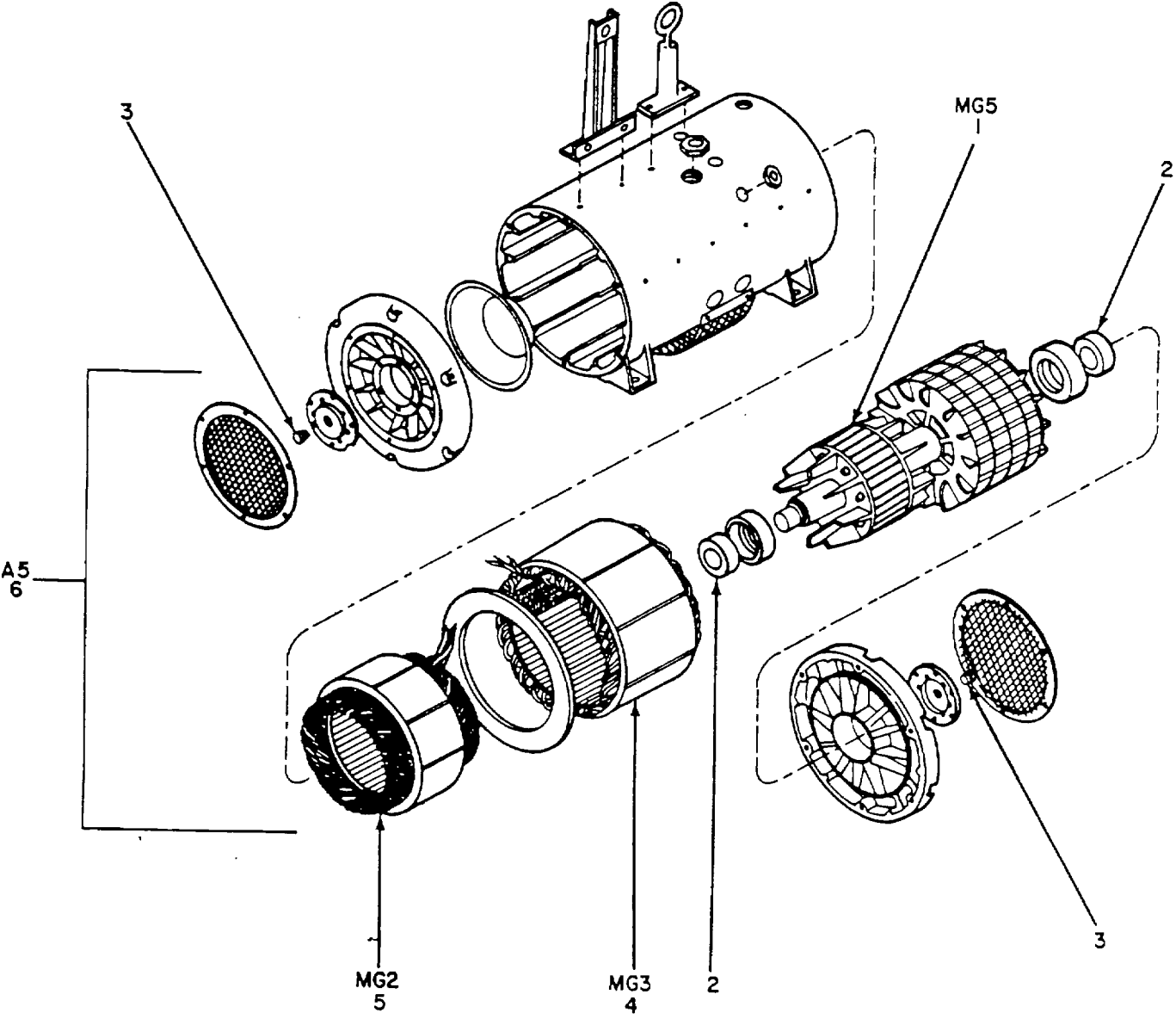


Figure 5. Motor Generator PU-126/U, Control Box.

SECTION II

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	DESCRIPTION U/M	QTY INC IN UNIT
5	1	PAHZZ	5950-00-695-6459	124782	50870		TRANSFORMER,PWR,VR	EA 1
5	2	XDFZZ		124699A	98921		SWITCH,ROTARY	EA 1
5	3	PAHZZ	6110-00-695-5208	124806	50870		CONTACT,ELEC	EA 2
5	4	XDHZZ		124805	98921		COIL,ELEC,MAG ACTR	EA 1
					13			



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Figure 6. Motor Generators PU-126/U, PU-126A/U, PU-126B/U, Exploded View.

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
6	1	XDHZZ		124626	98921	ARMATURE,MOT GEN	A71	EA 1
6	1	XDHZZ		402474	08324	ARMATURE,MOT GEN	B8T	EA 1
6	1	XDHZZ	6129-00-914-2610	SMD375465	80063	ARMATURE,MOT GEN	8BU	EA 1
6	2	XDFZZ		W209PPFS160	21335	BEARING,BALL,AMLR		EA 2
6	3	XDOZZ		123229	98921	PLUG,BEARING,COVER		EA 2
6	4	XDHZZ		124623	98921	STATOR,GENERATOR	A71	EA 1
6	4	PAHZZ	6115-00-913-8737	SMD375468	80063	STATOR,GENERATOR	8BU	EA 1
6	5	XDHZZ		124622	98921	STATOR,MOTOR	A71	EA 1
6	5	PAHZZ	6105-00-914-5724	SMD375467	80063	STATOR,MOTOR	8BU	EA 1
6	6	XDHZZ		402413	08324	STATOR,MOT,GEN,ASSY	8BT	EA 1
					15			

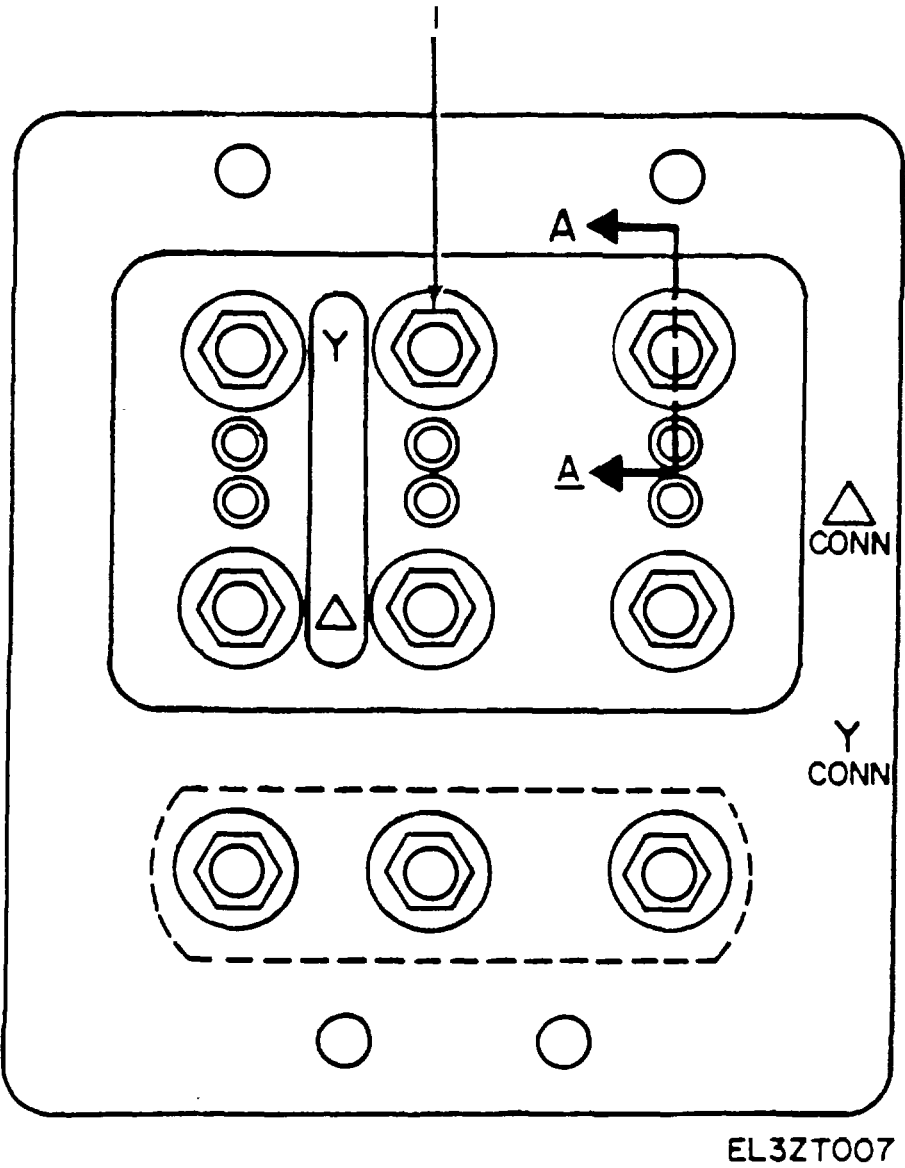


Figure 7. Motor Generators PU-126/U, PU-126A/U, PU-126B/U, Change Board Assembly.

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
7	1	PAOZZ	5307-00-208-8142	121951	50870 17	TERMINAL,STUO	EA	9

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

NOTE: LATEST NATIONAL STOCK NUMBER ASSIGNMENTS ARE INCLUDED AT END OF INDEX

STOCK NUMBER	FIG. NO.	ITEM NO.	STOCK NUMBER	FIG. NO.	ITEM NO.
5935-00-644-7767	4	4	5945-00-775-0408	3	5
6625-00-682-41774	2	5	5910-00-823-1099	3	4
5940-00-713-1077	2	9	6125-00-914-2610	6	1
6625-00-765-6232	1	3	6105-00-914-5724	6	5

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
CA37KFW103	81349	4	9	124623	98921	6	4
CP05A1KC105K3	81349	3	4	124626	98921	6	1
CR105D0008DC	24446	2	12	124699A	98921	5	2
CR2824-426	03350	2	11	124703	98921	1	7
CR2940U219	24446	2	8	124731	50870	4	7
CR2940U222	24446	2	7	124737	50870	4	12
KA1752-1	77342	3	5	124780	50870	2	2
PS122993	50870	4	5	124782	50870	5	1
PS123074	98921	4	4	124787	98921	4	2
P124730	50870	4	6	124788	98921	4	1
P124760	50870	2	4	124805	98sQI	5	4
P124821	50870	1	2	124806	50870	5	3
RCR42G392JS	81349	3	2	126A1000	36024	1	3
SMC369404	80058	3	1	126A1001	36024	2	5
SMD375465	80063	6	1	126A1011	36024	4	8
SMD375467	80063	6	5	126A1020A	36024	4	11
SMD375468	80063	6	4	126A1020B	36024	1	6
S122343	98921	4	10	126A1021	36024	2	3
S2406CCT	71785	4	4	126A1022	26024	2	1
W209PPFS160	21335	6	2	126A1046	36024	2	9
02133	79500	4	3	126A1126	36024	4	5
1N540	03508	3	3	1739955BABDE10N	79500	2	10
121197	50870	1	5	402413	08324	6	6
121951	50670	7	1	402474	08324	6	1
122349	98921	1	4	548A5108G	24446	1	1
123229	98921	6	3	86-3	71628	2	6
124622	98921	C	5				

LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIG. NO.	ITEM NO.	STOCK NUMBER	FIG. NO.	ITEM NO.
5905-00-147-7649	3	2	6110-00-695-5203	4	12
5307-00-208-8142	7	1	5930-00-713-1082	1	1
5340-0-347-9741	1	2	5940-00-713-1087	4	11
6625-00-510-0449	2	4	5930-00-721-2677	2	6
6625-00-510-0492	4	6	5930-00-729-1705	2	7
6625-00-510-0505	4	7	5930-00-752-2634	2	8
5970-00-521-7902	1	5	6115-00-913-8737	6	4
5910-00-577-1348	4	9	5961-00-978-7660	3	3
5950-00-695-5180	2	2			

ADDITIONAL LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIG. NO.	ITEM NO.	STOCK NUMBER	FIG. NO.	ITEM NO.
5925-0-351-6296	2	10	6110-00-695-5208	5	3
5310-00-506-4282	4	10	5910-00-695-6470	2	1
6625-00-682-4778	4	8	5365-00-713-1088	1	6
5945-00-688-7216	2	12	5945-00-772-0218	2	11
5355-00-695-5181	4	5			

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For explanation of abbreviations used, see AR 310-50.

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