

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS
 LISTS
 FOR
 FOR MODEM, DIGITAL DATA - QPSK/BPSK MD-1002/G
 (NSN 5820-01-043-7646)

Departments of the Army, the Navy, and the Air Force, Washington, DC,
 20 December 1978

Current as of 8 September 1978

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**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 maintenance of the MD-1002/G. It authorizes the requisitioning and issue of

spares and repair 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 Tools List.* Not applicable. Special tools, special TMDE, and other special support equipment authorized for the performance of maintenance.

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 alphanumeric sequence, of all part numbers appearing in the listings. National stock numbers and part 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 code.* 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.
----	---

XB	Item is not procured or stocked. If not available
----	---

through salvage, requisition.

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.
---	--

(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 part 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. The following publication pertains to the MD-1002/G and its components: TM 11-5820-847-12, Operator and Organizational Maintenance Manual for Modem, Digital Data QPSK/BPSK MD-1002/G.

b. National stock numbers (NSN's) that are missing from P source coded items have been applied for and will be added to this TM by future change/revision when they are entered in the Army Master Data File (AMDF). Until the NSN's are established and published, submit exception requisitions to: Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-MM, Fort Monmouth, NJ 07703 for the part required to support your equipment.

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 listings are divided into the same groups.

(2) *Second.* Find the Illustration covering the functional group to 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 Numbers and Part Numbers, 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.

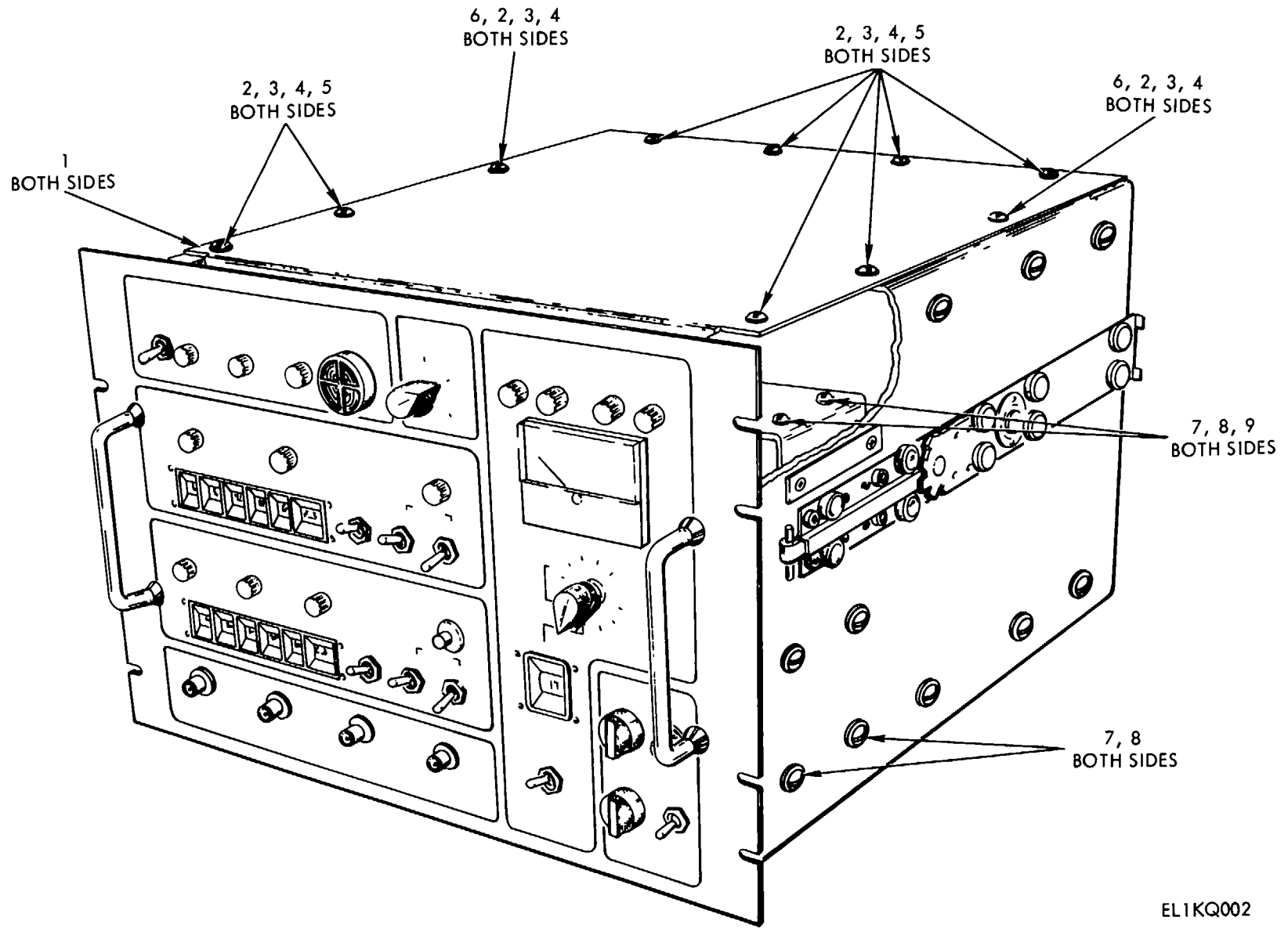
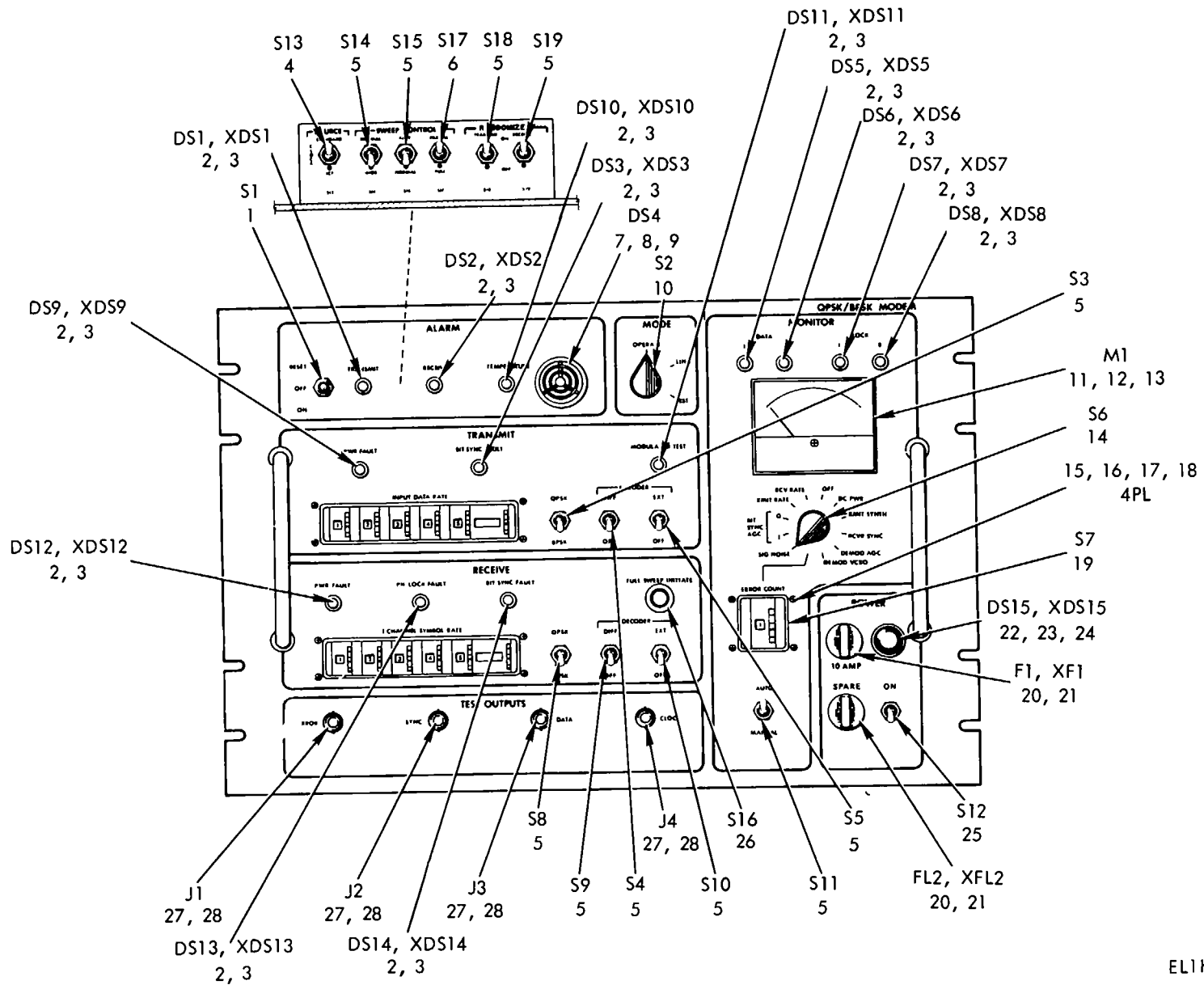


Figure 1. Modem, Digital Data - QPSK/BPSK MD-1002/G.

SECTION II

(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
						GROUP 00 NODEM,DIGITAL DATA - OPSK/ BPSK MD-1002/G		
1	1	XBDZZ		SMD742195-1	80063	COVER,ACCESS	EA	2
1	2	XBUZZ		82-32-201-17	94222	WASHER,LCK.....	EA	20
1	3	XB0ZZ	5310-00-775-5245	82-46-101-39	94222	WASHER,PECESSRO	EA	20
1	4	XBOLZ	5360-00-924-8167	43-13-1-24	94222	SPRING	EA	20
1	5	X60ZZ	5325-00-687-5208	62-11-220-16	94222	STUD,TURNLOCCK FA.....	EA	16
1	6	XB0ZZ	4120-00-963-0221	82-11-280-16	94222	STUD TURNBUTTON.....	EA	4
1	7	XBOZZ	5305-00-059-3660	MS51958-64	96906	SCREW MACHINE.....	EA	12
1	8	XBOZZ	5310-00-619-1148	MS15795-808	96906	WASHER.FLAT.....	EA	25
1	9	XOZZ	5310-00-433-8120	MS535338-138	96906	WASHER.LOCK.....	EA	14



EL1KQ001

Figure 2. Control Panel A1,

SECTION II

(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
GROUP 01 CONTROL PANEL A1								
2	1	PAOZZ	5930-00-683-1625	MS24523-31	96906	SWITCH, TOGGLE	EA	1
2	2	PAOZZ	6240-00-344-8582	CD93RCB0510	03797	LAMP, CARIRIDGE.S.....	EA	13
2	3	PAOZZ		LH90-1	61349	LIGHT INDICATOR.....	EA	13
2	4	PAOZZ	5930-00-789-6024	MS27407--	96906	SWITCH, TOGGLE	EA	1
2	5	PAOZZ	5930-00-683-1629	MS24523-23	96906	SWITCH, TOGGLE	EA	9
2	6	PAOZZ	5930-00-655-4241	MS24524-23	96906	SWITCH, TOGGLE	EA	3
2	7	PAOZZ	6350-00-102-4210	SC628	37942	SIGNAL.ELECTRONI	EA	1
2	8	XBOZZ	5305-00-054-6650	MS51957-26	96906	SCREW, MACHINE.....	EA	2
2	9	XBOZZ	5310-00-929-6395	MS35338-136	96906	WASHER.LOCK.....	EA	2
2	10	PAOZZ	5930-00-118-4665	44A60-02-1-3N	81073	SWLTCH, ROTARY.....	EA	1
2	11	PAOZZ	6625-01-048-3749	K2S-DUA200-6400H M820625A-001D	32171	AMETER	EA	1
2	12	XBOZZ	5310-00-934-9765	M535650-304	96906	NJT.PLA[N.HESAGO.....	EA	2
2	13	XBOZZ	5310-00-933-8120	PS35338-136	96906	WASHER, LOCK.....	EA	2
2	14	PAOZZ	5930-00-113-7642	44D30-03-1AJN	81073	SWITCH, ROTARY.....	EA	1
2	15	XB0ZZ	5305-00-054-5639	MS51957-5	96906	SCREW, MACHINE.....	EA	12
2	16	XBOZZ	5310-00-595-6761	MS15795-802	96906	WASHER,FLAT.....	EA	12
2	17	X6BZZ	5310-00-928-2690	MS3533B-134	96906	WASHER, LOCK.....	EA	12
2	18	XBOZZ	5310-00-938-2013	MS35649-224	96906	NUT, PLAIN, HEXAGO.....	EA	12
2	19	PAOZZ	5930-00-140-3333	9644-1	07126	SWITCH, CAM, PUSIT	EA	1
2	20	PAOZZ	5920-00-403-4899	FM03-10A	81349	FUSE, CARTRIDGE	EA	2
2	21	PAGZZ	5920-00-881-6584	FHL7G2	81349	FUSEHOLDER, EXTRA.....	EA	2
2	22	PAUZZ	6240-00 -682-3411	B2A	06B06	LAMP, GLOW.....	EA	1
2	23	PAOZZ		LH76-2	11349	LIGHT, INDICATOR.....	EA	1
2	24	PA60Z	6210-00-153-2270	LC1403	61349	LENS, LIGHT.....	EA	1
2	25	PAOZZ	5930-00-984-9883	MS25307-222	96906	SWITCH, TOGGLE	EA	1
2	26	PAOZZ		30262-18818	12522	SWITCH, PUSHBUTTON.....	EA	1
2	27	PAOZZ	5935-00-835-0510	M39012/21-0001	81349	CONNECTOR, RECEPTACL.....	EA	4
2	28	XBOZZ	00B-0521-000		86928	TERMINAL, LUG	EA	4

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

NOTE: LATEST PART NUMBER ASSIGNMENTS ARE INCLUDED AT END OF INDEX.

STOCK NUMBER	FIG NO.	ITEM NO.	STOCK NUMBER	FIG. NO.	ITEM NO.
5305-00-054-5639	2	15	6210-00-753-2270	2	24
5305-00-054-0650	2	8	5310-00-775-5245	1	3
5305-00-059-3660	1	7	5930-00-789-6024	2	4
6350-00 102-4210	2	7	5935-00-835-0510	2	27
5930-00-113-7642	2	14	5920-00-881-6584	2	21
5930-00-118-4665	2	10	5360-00-924-6167	1	4
5930-00-140-3333	2	19	5310-00-928-2690	2	17
6240-00-344-6582	2	2	5310-00-929-6395	2	9
5920-00-403-4899	2	20	5310-00-933-8120	1	9
5310-00-595-6761	2	16	5310-00-933-8120	2	13
5310-00-619-1148	1	8	5310-00-934-9765	2	12
5930-00-655-4241	2	6	5310-00-938-2013	2	18
6240-00-682-3411	2	22	4120-00-963-0221	1	6
5930-00-683-1625	2	1	5930-00-984-9883	2	25
5930-00683-1629	2	5	6655-01-048-3749	2	11
5325-00-687-5208	1	5			

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
B2A	08806	2	22	MS35649-224	96906	z	18
CD93RC80510	03791	2	2	MS35650-304	96906	2	12
FHL17G2	81349	2	21	MS51957-26	96906	2	8
FM03-10A	81349	2	20	MS51957-5	96906	2	15
K25-DUA200-6400HM	32171	2	11	MS51958-64	96906	1	7
820625A-M0D1							
LC14CD3	81349	2	24	M39012/21-0001	81349	2	27
LH76-2	81349	2	23	S0628	37942	2	7
LH90-1	81349	2	3				
M515795-e802	96906	2	16				
M515795-808	96906	1	8	008-0521-000	86928	2	28
MS24523-23	96906	2	5	30262-18818	12522	2	26
MS24523-31	96906	2	1	43-13-i-24	94222	1	4
MS2424-23	96906	2	6	44A60-02-1-3N	81073	2	10
MS25307-222	96906	2	25	44D30-03-1AJN	81073	2	14
MS27407-1	96906	2	4	82-11-220- 16	94222	1	5
MS35338-134	96906	2	17	82-11-280-16	94222	1	6
MS35338-136	96906	2	9	62-32-201-17	94222	1	2
MS35338-138	96906	1	9	82-46-101-39	94222	1	3
MS35338-138	96906	2	13	9644-1	07126	2	19

LATEST PART NUMBER ASSIGNMENTS

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	
SMD742195-1	80063	1	1	8

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For explanation of abbreviations used, see AR 310-50

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