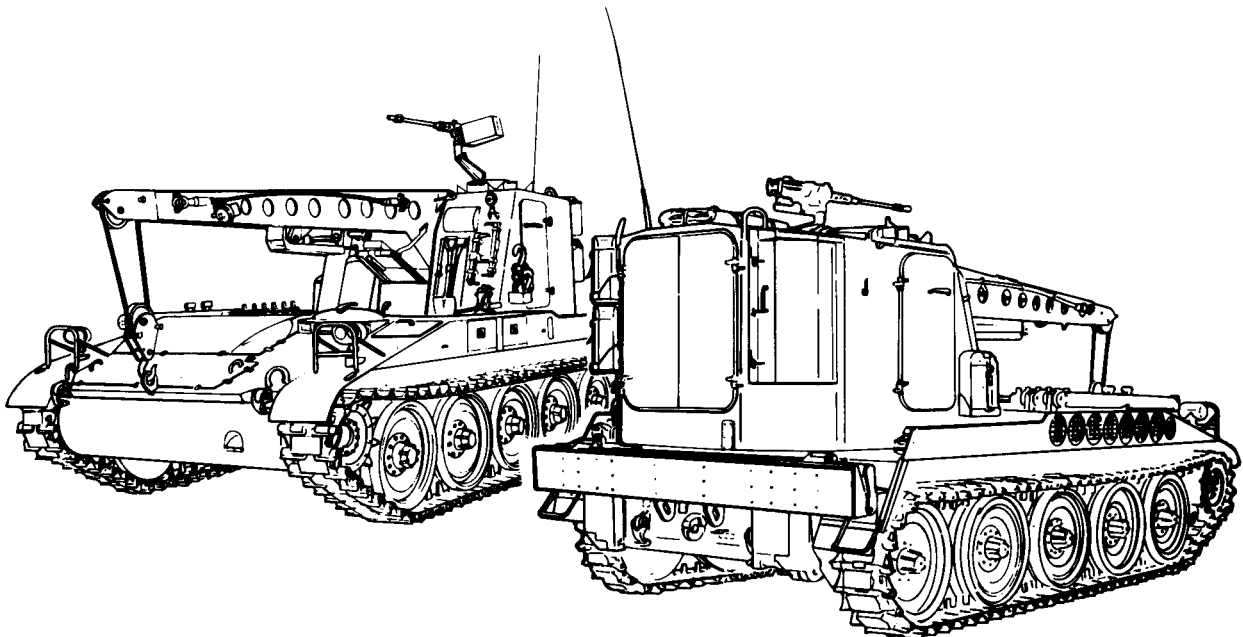


DEPARTMENT OF THE ARMY TECHNICAL MANUAL

UNIT, DIRECT SUPPORT, AND GENERAL
SUPPORT MAINTENANCE REPAIR
PARTS AND SPECIAL TOOLS LISTS
(INCLUDING DEPOT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS)

CRANE (CAB) COMPONENTS

RECOVERY VEHICLE,
FULL-TRACKED:
LIGHT, ARMORED, M578
(2350-00-439-6242) (EIC:3LA)



DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY

5 MARCH 1992

TECHNICAL MANUAL

No. 9-2350-238-24P-2

HEADQUARTERS
DEPARTMENT OF THE ARMY

Washington, DC

5 March 1992

UNIT, DIRECT SUPPORT, AND
GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
(INCLUDING DEPOT MAINTENANCE
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RECOVERY VEHICLE, FULL-TRACKED: LIGHT, ARMORED, M578
(2350-00-439-6242) (EIC:3LA)

Current as of 21 August 1991

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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, U.S. Army Armament, Munitions and Chemical Command, ATTN: AMSMC-MAS, Rock Island, IL 61299-6000. A reply will be furnished to you.

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*This manual supersedes crane (cab) components portions of TM 9-2350-238-20P, including all changes, dated 15 April 1982, and TM 9-2350-238-34P-2, including all changes, dated 21 May 1982.

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UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

Section I. INTRODUCTION

1. SCOPE

This RPSTL lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of unit, direct support, and general support maintenance of the M578 Recovery Vehicle. It authorizes the requisitioning, issue, and disposition of spares, repair parts, and special tools as indicated by the Source, Maintenance, and Recoverability (SMR) codes.

2. GENERAL

In addition to Section I, Introduction, 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 by this RPSTL 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 ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Bulk materials are listed in item name sequence. Repair parts kits are listed separately in their own functional group within Section II. Repair parts for repairable special tools are also listed in this section. Items listed are shown on the associated illustration(s)/figure(s).

b. Section III. Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE (UOC) column) for the performance of maintenance.

c. Section IV. Cross-Reference Indexes. A list, in National Item Identification Number (NIIN) sequence, of all National stock numbered items appearing in the listing, followed by a list in alphanumeric sequence of all part numbers appearing in the listing. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance. The figure and item number index lists figure and item numbers in alphanumeric sequence and cross-references NSN, CAGEC, and part numbers.

3. EXPLANATION OF COLUMNS (SECTIONS II AND III)

a. ITEM NO. (Column (1)). Indicates the number used to identify items called out in the illustration.

b. SMR CODE (Column (2)). The Source, Maintenance, and Recoverability (SMR) code is a 5-position code containing supply/requisitioning information, maintenance level authorization criteria, and disposition instruction, as shown in the following breakout:

3. EXPLANATION OF COLUMNS (SECTIONS II AND III) (CONT)

(2) The physical security classification of the item is indicated by the parenthetical entry which is a physical security classification abbreviation, e.g., Phy Sec C1 (C)-Confidential, Phy Sec C1 (S)-Secret, Phy Sec C1 (T)-Top Secret.

(3) Items that are included in kits and sets are listed below the name of the kit or set.

(4) Spare/repair parts that make up an assembled item are listed immediately following the assembled item line entry.

(5) Part numbers for bulk materials are referenced in this column in the line item entry for the item to be manufactured/fabricated.

(6) When the item is not used with all serial numbers of the same model, the effective serial numbers are shown on the last line(s) of the description (before UOC).

(7) The usable on code, when applicable (see paragraph 5, Special Information).

(8) In the Special Tools List section, the Basis of Issue (BOI) appears as the last line(s) in the entry for each special tool, special TMDE, and other special support equipment. When density of equipment supported exceeds density spread indicated in the basis of issue, the total authorization is increased proportionately.

(9) The statement "END OF FIGURE" appears just below the last item description in Column 5 for a given figure in both Section II and Section III.

f. **QTY (Column (6)).** The QTY (quantity per figure column) 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. A "V" appearing in this column in lieu of a quantity indicates that the quantity is variable and the quantity may vary from application to application.

4. EXPLANATION OF COLUMNS (SECTION IV).

a. National Stock Number (NSN) Index.

(1) **STOCK NUMBER column.** This column lists the NSN by National Item Identification Number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN

NSN

NIIN

(i.e., 5305-01-674-1467). When using this

column to locate an item, ignore the first 4 digits of the NSN. However, the complete NSN should be used when ordering items by stock number.

(2) **FIG. column.** This column lists the number of the figure where the item is identified/located. The figures are in numerical order in Section II and Section III.

(3) **ITEM column.** The item number identifies the item associated with the figure listed in the adjacent FIG. column. This item is also identified by the NSN listed on the same line.

b. **Part Number Index.** Part numbers in this index are listed by part number in ascending alphanumeric sequence (i.e., vertical arrangement of letter and number combination which places the first letter or digit of each group in order A thru Z, followed by the numbers 0 thru 9 and each following letter or digit in like order).

(1) **CAGEC column.** The Contractor and Government Entity Code (CAGEC) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

(2) PART NUMBER column. Indicates the primary number used by the manufacturer (individual, 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.

(3) STOCK NUMBER column. This column lists the NSN for the associated part number and manufacturer identified in the PART NUMBER and CAGEC columns to the left.

(4) FIG. column. This column lists the number of the figure where the item is identified/located in Section II and III.

(5) ITEM column. The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

c. Figure and Item Number Index.

(1) FIG. column. This column lists the number of the figure where the item is identified/located in Sections II and III.

(2) ITEM column. The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

(3) STOCK NUMBER column. This column lists the NSN for the item.

(4) CAGEC column. The Contractor and Government Entity Code (CAGEC) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

(5) PART NUMBER column. Indicates the primary number used by the manufacturer (individual, 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.

5. SPECIAL INFORMATION

a. Fabrication Instructions. Bulk materials required to manufacture items are listed in the Bulk Material Function Group of this RPSTL. Part numbers for bulk materials are also referenced in the description column of the line item entry for the item to be manufactured/fabricated. Detailed fabrication instructions for items source coded to be manufactured or fabricated are found in TM 9-2350-238-20-2 and TM 9-2350-238-34-2.

b. Assembly Instruction. Detailed assembly instructions for items source coded to be assembled from component spare/repair parts are found in TM 9-2350-238-20-2 and TM 9-2350-238-34-2. Items that make up the assembly are listed immediately following the assembly item entry or reference is made to an applicable figure.

c. Kits. Line item entries for repair parts kits appear in a group in Section II (see table of contents).

d. Index Numbers. Items which have the word BULK in the figure column will have an index number shown in the item number column. This index number is a cross-reference between the National Stock Number/Part Number Index and the bulk material list in Section II.

5. SPECIAL INFORMATION (CONT)

e. Associated Publications. The publication(s) listed below pertain to M578 Recovery Vehicle and its components:

Publication	Short Title
TM 9-2350-238-10	Recovery Vehicle, Full-Track, M578: Operator's Manual
TM 9-2350-238-20-1	Recovery Vehicle, Full-Track, M578: Unit Maintenance, Hull and Components
TM 9-2350-238-20-2	Recovery Vehicle, Full-Track, M578: Unit Maintenance, Crane & Components
TM 9-2350-238-24P-1	Recovery Vehicle, Full-Track, M578: Unit, Direct Support, and General Support Repair Parts and Special Tools List, Hull and Components
TM 9-2350-238-34-1	Recovery Vehicle, Full-Track, M578: Direct Support and General Support Maintenance, Hull and Components
TM 9-2350-238-34-2	Recovery Vehicle, Full-Track, M578: Direct Support and General Support Maintenance, Crane and Components
TM 9-2350-274-BD	Operator's, Organizational, Direct Support, and General Support Maintenance Battlefield Damage Assessment and Repair: for M109/M110/M578 Vehicles

6. HOW TO LOCATE REPAIR PARTS

a. When National Stock Number or Part Number is Not Known.

(1) First. Using the table of contents, determine the assembly group or subassembly group to which the item belongs. This is necessary since figures are prepared for assembly groups and subassembly groups, and listings are divided into the same groups.

(2) Second. Find the figure covering the assembly group or subassembly group to which the item belongs.

(3) Third. Identify the item on the figure and use the Figure and Item Number Index to find the NSN.

b. When National Stock Number or Part Number is Known.

(1) First. Using the National Stock Number or the Part Number Index, find the pertinent National Stock Number or Part Number. The NSN index is in National Item Identification Number (NIIN) sequence (see 4.a.(1)). The part numbers in the Part Number index are listed in ascending alphanumeric sequence (see 4.b). Both indexes cross-reference you to the illustration/figure and item number of the item you are looking for.

(2) Second. Turn to the figure and item number, verify that the item is the one you're looking for, then locate the item number in the repair parts list for the figure.

7. ABBREVIATIONS

Not applicable.

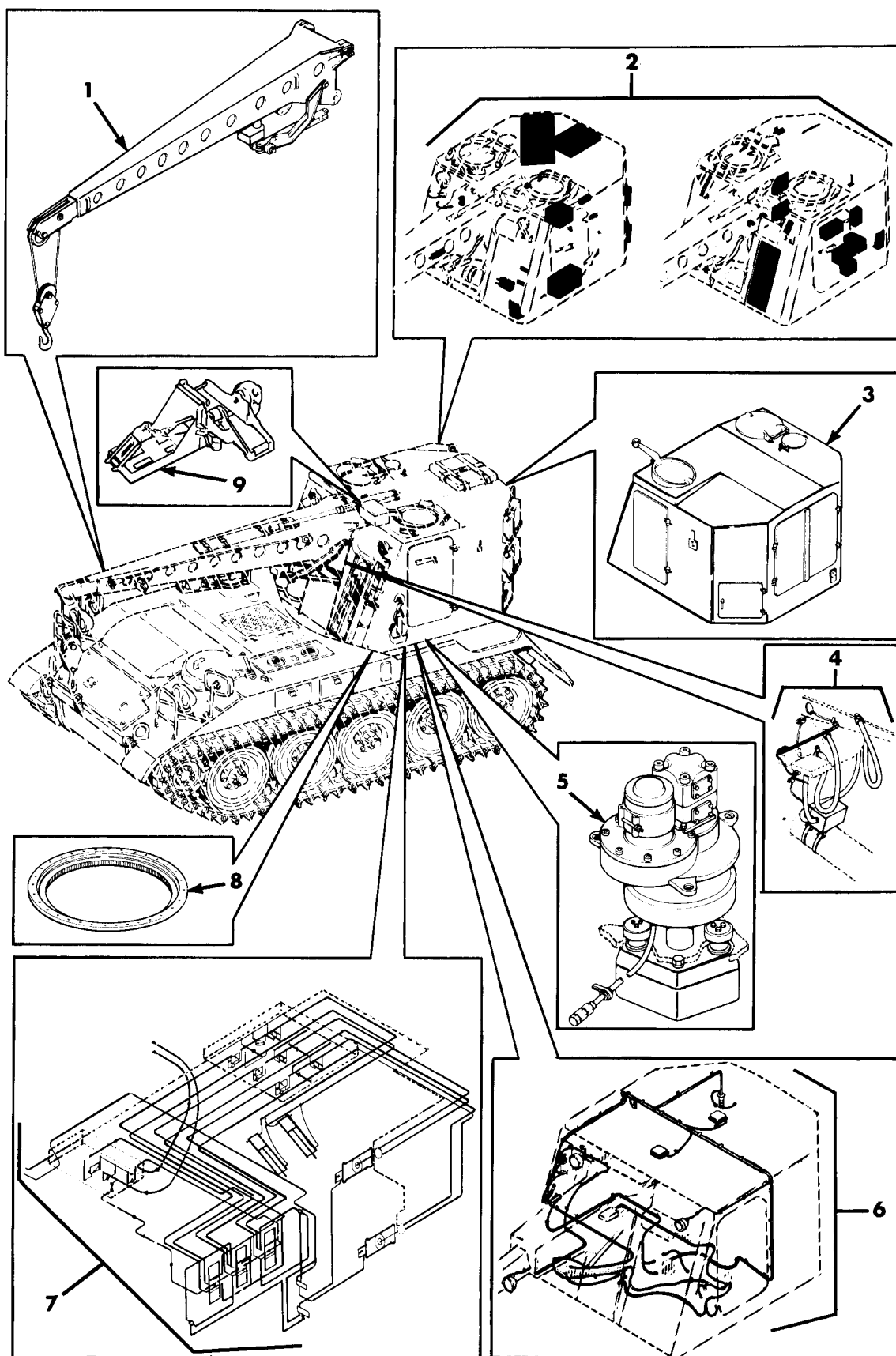


Figure 1. M578 Armored Light Full-Track Recovery Vehicle.

SECTION II		TM9-2350-238-24P-2			
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 00					
FIG.1 M578 ARMORED LIGHT FULL-TRACKED RECOVERY VEHICLE					
1	XC	19200	10908500	BOOM AND WINCH	1
2	XC	19207	10904850	EQUIPMENT STOWAGE INSTALLATION	1
3	XC	19207	10934910	1 CAB ASSEMBLY	1
4	XC	19204	11643432	FILTER INSTL., CAB	1
5	XC	19207	10904950	TRAVERSING INSTALLATION	1
6	XC	19207	10908350	HYDRAULIC INSTALLATION	1
7	XC	19207	10904800	ELECTRICAL INSTALLATION	1
8	XC	19200	10898400	TURRET BEARING INST SEE FIG.87	
9	PAOFF	19204	7046650	MOUNT, MACHINE GUN (REFER TO TM9-1005-213-10)	1
END OF FIGURE					

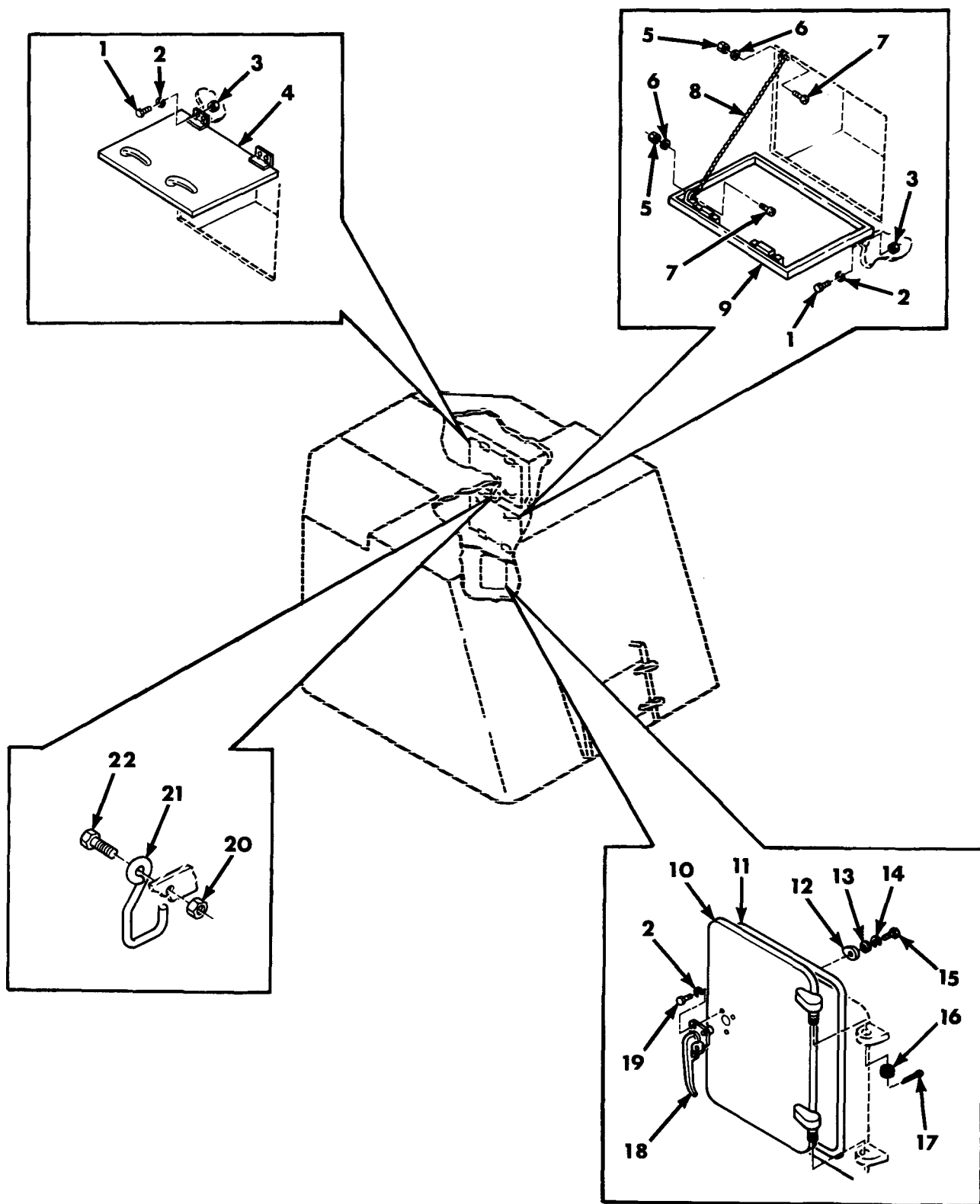


Figure 2. Cab Assembly 10934910, Stowage Compartment Doors.

SECTION II		TM9-2350-238-24P-2			
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 01					
FIG.2 CAB ASSEMBLY 10934910,STOWAGE COMPARTMENT DOORS					
1	PAOZZ	96906	MS90727-6	BOLT,MACHINE CAP,HEXAGON HEAD STEEL,CADMIUM PLATED, 1/4 INCH NOMINAL SIZE,28 UNF-2A,3/4 INCH LONG,LEFT SIDE CAB STOWAGE DOORS	8
2	PAOZZ	96906	MS35338-44	WASHER,LOCK LOCK HELICAL,STEEL,CADMIUM PLATED,NOMINAL SIZE 1/4 INCH,.263 INCH ID,.489 INCH OD,.109 INCH WIDE, LEFT CAB STOWAGE DOORS	11
3	PAOZZ	96906	MS51968-2	NUT,PLAIN,HEXAGON PLAIN,HEXAGON STEEL,CADMIUM PLATED,28 UNF-2B,1/4 INCH NOMINAL SIZE,7/32 INCH THICK, LEFT CAB STOWAGE DOORS	8
4	PA000	19204	10908675-1	DOOR,HATCH,VEHICLE HATCH,VEHICLE LEFT CAB STOWAGE SEE FIG. 14 ASSY BKDN	1
5	PAOZZ	96906	MS21042-02	NUT,SELF-LOCKING,EX SELF-LOCKING NON-CORROSION RESISTANT STEEL,.086-56 UNJC-3B,.167 INCH DIAMETER,.100 INCH THICK,LEFT CAB STOWAGE,LOWER DOOR CHAIN	2
6	PAOZZ	96906	MS27183-2	WASHER,FLAT .094 ID,.250 OD,.020 THK	2
7	PAOZZ	96906	MS35206-209	SCREW,MACHINE MACHINE CARBON STEEL,CADMIUM PLATED,56 UNC-2A,NOMINAL SIZE NUMBER 2,3/4 INCH LONG, LEFT CAB STOWAGE, LOWER DOOR CHAIN	2
8	M00ZZ	81348	RRC271TYPEIICL6B RSSIZE018	CHAIN,SAFETY MAKE FROM CHAIN ASSEMBLY,NSN4010-00-171-4427,PNRR-C-271	25
9	PA000	19204	10908675-2	DOOR,HATCH,VEHICLE HATCH,VEHICLE LEFT CAB STOWAGE,LOWER DOOR SEE FIG. 14 ASSY BKDN	1
10	PAOZZ	19204	10908664	DOOR,HATCH,VEHICLE CAB,REAR STOWAGE	1
11	PAOZZ	19207	10908671-1	NONMETALLIC SPECIAL GASKET,DOOR	1
12	PAOZZ	19204	10908669	LEVER,LOCK-RELEASE DOOR HANDLE	1
13	PAOZZ	96906	MS27183-15	WASHER,FLAT .438 ID,1.00 OD,.083 THK	1
14	PAOZZ	96906	MS35338-46	WASHER,LOCK 3/8 NOM SIZE	1
15	PAOZZ	96906	MS90727-58	SCREW,CAP,HEXAGON H 3/8-24UNF X .750	1
16	PAOZZ	96906	MS35692-37	NUT,PLAIN,SLOTTED,H 1/2-20UNF	1
17	PAOZZ	96906	MS24665-287	PIN,COTTER 3/32 DIA X 1-1/4 LG	1
18	PAOZZ	19207	10917058	HANDLE,DOOR	1
19	PAOZZ	96906	MS90727-3	SCREW,CAP,HEXAGON H 1/4-28UNF X .500	3
20	PAOZZ	96906	MS35650-302	NUT,PLAIN,HEXAGON NO. 10-32UNF	1

SECTION II		TM9-2350-238-24P-2			
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
21	PA0ZZ	19207	10919830	HOOK, STOWAGE DOOR	1
22	PA0ZZ	96906	MS35207-264	SCREW, MACHINE NO. 10-32UNF X .625	1

END OF FIGURE

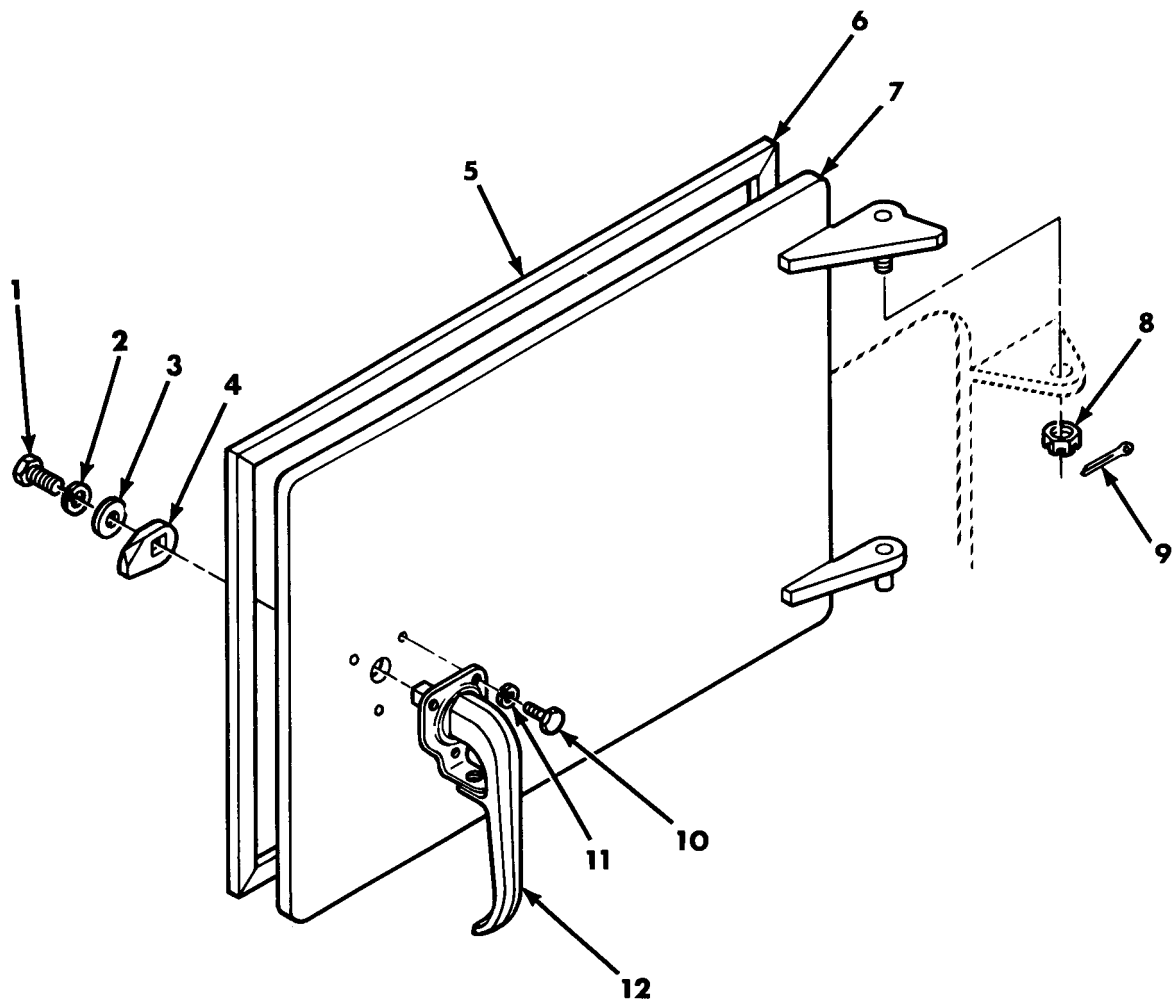
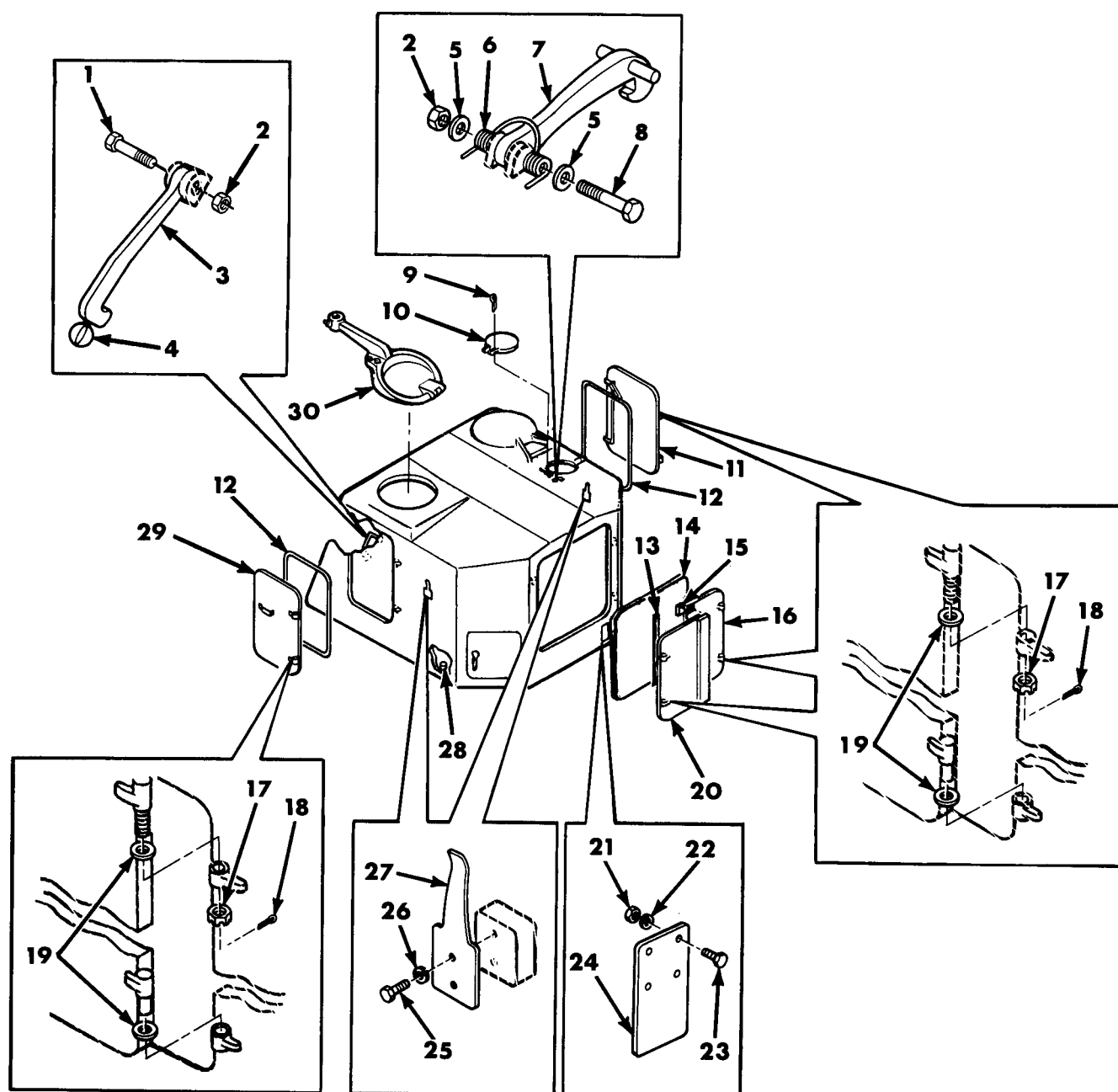


Figure 3. Cab Assembly 10934910, Tow Winch Access Door and Related Parts.

SECTION II		TM9-2350-238-24P-2				
(1)	(2)	(3)	(4)	(5)		(6)
ITEM	SMR		PART			
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)		QTY
GROUP 01						
FIG.3 CAB ASSEMBLY 10934910,TOW						
WINCH ACCESS DOOR AND RELATED						
PARTS						
1	PA0ZZ	96906	MS90727-58	SCREW,CAP,HEXAGON H 3/8-24UNF X .750		1
2	PA0ZZ	96906	MS35338-46	WASHER, LOCK 3/8 NOM SIZE		1
3	PA0ZZ	96906	MS27183-15	WASHER, FLAT .438 ID, 1.00 OD, .083 THK		1
4	PA0ZZ	19204	10908669	LEVER, LOCK-RELEASE DOOR LOCK		1
5	PA0ZZ	19204	10956690-1	SEAL, NONMETALLIC ST DOOR, TOP AND BOTTOM		2
6	PA0ZZ	19204	10956690-2	SEAL, NONMETALLIC ST DOOR, SIDES		2
7	PA0ZZ	19207	10908335	DOOR, ACCESS		1
8	PA0ZZ	96906	MS35692-37	NUT, PLAIN, SLOTTED, H 1/2-0UNF		1
9	PA0ZZ	96906	MS24665-287	PIN, COTTER 3/32 DIA X 1-1/4 LG		1
10	PA0ZZ	96906	MS90727-3	SCREW,CAP,HEXAGON H 1/4-28UNF X .500		3
11	PA0ZZ	96906	MS35338-44	WASHER, LOCK 1/4 NOM SIZE		3
12	PA0ZZ	19207	10917058	HANDLE, DOOR STOWAGE DOOR		1
END OF FIGURE						



*NO FURTHER DISASSEMBLY AUTHORIZED.

Figure 4. Cab Assembly 10934910, Covers, Doors, and Related Parts.

SECTION II		TM9-2350-238-24P-2			
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 01					
FIG.4 CAB ASSEMBLY 10934910,COVERS, DOORS,AND RELATED PARTS					
1	PA0ZZ	96906	MS18153-63	SCREW,CAP,HEXAGON H 3/8-24UNF X 1.750	1
2	PA0ZZ	96906	MS21044N6	NUT,SELF-LOCKING,HE 3/8-24UNJF	2
3	PA0ZZ	19207	10908980	LATCH,RIM TOW WINCH DOOR HOLD OPEN	1
4	PA0ZZ	19204	8391404	KNOB TOW WINCH DOOR HOLD OPEN,CATCH	1
5	PA0ZZ	96906	MS27183-14	WASHER,FLAT .406 DI, .812 OC, .065 THK	2
6	PA0ZZ	19204	10934919	SPRING,HELICAL,TORS CUPOLA LID CATCH	1
7	PA0ZZ	19204	10901299	LATCH,THUMB CRANE OPERATOR'S HATCH HOLD OPEN	1
8	PA0ZZ	96906	MS90727-77	SCREW,CAP,HEXAGON H 3/8-24UNF X 4.750	1
9	PA0ZZ	96906	MS24665-285	PIN,COTTER 3/32 DIA X 1.0 LG	2
10	PA0ZZ	19200	10908718	DOOR,ACCESS HYDRAULIC RESERVOIR FILTER	1
11	PA000	19204	10908371-2	DOOR,HATCH,VEHICLE CAB,RIGHT SIDE SEE FIG. 11 ASSY BKDN	1
12	PA0ZZ	19207	10908671-2	NONMETALLIC SPECIAL SEAL CAB SIDE DOORS	2
13	PA0ZZ	19207	10908671-3	NONMETALLIC SPECIAL SEAL	1
14	PA0ZZ	19207	10908671-4	SEAL,NONMETALLIC SP CAB,REAR DOOR, CENTER	1
15	PA0ZZ	19207	11592841	SEAL,NONMETALLIC ST TAB, .62 X .75 X .75	2
16	PA0B0	19204	10908368	DOOR,HATCH,VEHICLE HATCH,VEHICLE CAB,REAR RIGHT	1
17	PA0ZZ	96906	MS35692-61	NUT,PLAIN,SLOTTED,H SLOTTED,3/4- 16UNF	4
18	PA0ZZ	96906	MS24665-355	PIN,COTTER 1/8 DIA X 1-1/4 LG	4
19	PA0ZZ	19204	8334628	BEARING,SLEEVE	8
20	PA000	19204	10908330	DOOR,METAL,SWINGING CAB,LEFT REAR SEE FIG. 12 ASSY BKDN	1
21	PA0ZZ	96906	MS51968-8	NUT,PLAIN,HEXAGON 3/8-24UNF	4
22	PA0ZZ	96906	MS35338-46	WASHER,LOCK 3/8 NOM SIZE	4
23	PA0ZZ	96906	MS90727-64	SCREW,CAP,HEXAGON H 3/8-24UNF X 1.500	4
24	PA0ZZ	19200	10934779	COVER,ACCESS SLAVE,RECEPTACLE HOLE	1
25	PA0ZZ	96906	MS90727-5	SCREW,CAP,HEXAGON H 1/4-28UNF X .625	4
26	PA0ZZ	96906	MS35338-44	WASHER,LOCK 1/4 NOM SIZE	4
27	PA0ZZ	19204	10914833	SPRING,FLAT CAB RIGHT AND LEFT DOOR CATCH	2
28	PA0ZZ	96906	MS20913-6S	PLUG,PIPE 3/4NPT	1
29	PA000	19204	10908371-1	DOOR,METAL,SWINGING CAB,LEFT SIDE SEE FIG. 11 ASSY BKDN	1