

TECHNICAL MANUAL

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

**FOR
HOSELINE OUTFIT, FUEL HANDLING
4-INCH DIAMETER
3835-00-892-5157**

Approved for public release; distribution is unlimited.

***This manual, together with TM 10-3835-219-14, supersedes TM 103835-21914&P, dated 12 February 1986.**

**HEADQUARTERS, DEPARTMENT OF THE ARMY
27 APRIL 1992**

**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 Hoseline Outfit, Fuel Handling, 4-inch diameter It authorizes the acquisitioning, 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 this section, 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 IT. Repair parts for repairable special tools are also listed in this section Items listed are shown on the associated Illustration(s)/figure(s)

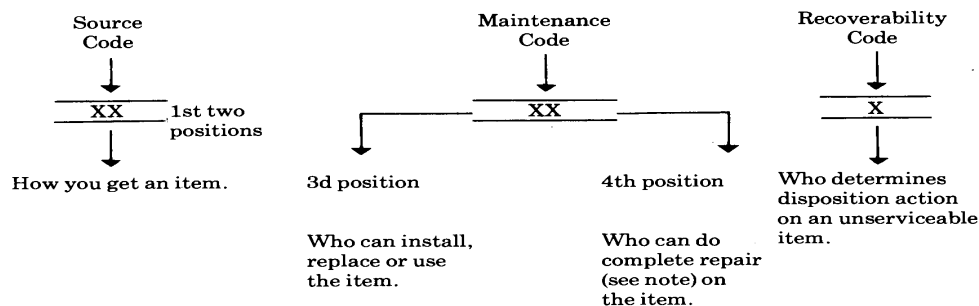
b. Section III. Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

c. Section IV. Cross-references 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 listings. 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 number In alphanumeric sequence and cross references NSN, CAGEC and part number.

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 category authorization criteria, and disposition instruction, as shown in the following breakout:



*Complete Repair: Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item.

(1) Source Code. The source code tells you how to get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follows:

Code

Explanation

PA
PB
PC
PD
PE
PF
PG

Stocked items; use the applicable NSN to request/requisition items with these source codes. They are authorized to the category indicated by the code entered in the 3rd position of the SMR code.

****NOTE:** Items coded PC are subject to deterioration.

KD
KF
KE

Items with these codes are not to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance category indicated in the 3rd position of the SMR code. The complete kit must be requisitioned and applied.

MO—Made at org/AVUM category
MF—Made at DS/AVUM category
MH—Made at GS category
ML—Made at Specialized Repair Activity (SRA)
MD—Made at Depot

Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the DESCRIPTION and USABLE ON CODE (UOC) column and listed in the Bulk Material group of the repair parts list in this RPSTL. If the item is authorized to you by the 3rd position code of the SMR code, but the source code indicates it is made at a higher level, order the item from the higher level of maintenance.

Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the level of maintenance indicated by the source code. If the 3rd position code of the SMR code authorizes you to replace the item, but the source code indicates the items are assembled at a higher level, order the item from the higher level of maintenance

AO—Assembled by org/AVUM category
AF—Assembled by DS/AVUM category
AH—Assembled by GS category
AL—Assembled by SRA
AD—Assembled by Depot

XA - Do not requisition "XA" -coded item. Order its next higher assembly. (Also, refer to the NOTE below.)

XB - If an "XB" item is not available from salvage, order it using the CAGEC and part number given.

XC - Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturer's part number.

XD - Item is not stocked. Order an "XD" -coded item through normal supply channels using the CAGEC and part number given if no NSN is available.

NOTE

Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes, except for those source coded "XA" or those aircraft support items restricted by requirements of AR 750-1.

(2) Maintenance Code. Maintenance codes tell you the level(s) of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the SMR code as follows:

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

Code	Application/Explanation
C -	Crew or operator maintenance done within organizational or aviation unit maintenance.
O -	Organizational or aviation unit category can remove, replace, and use the Item.
F -	Direct support or aviation intermediate level can remove, replace, and use the Item.
H -	General support level can remove, replace, and use the item.
L -	Specialized repair activity can remove, replace, and use the Item.
D -	Depot level can remove, replace, and use the item.

(b) The maintenance code entered in the fourth position tells whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (i.e. , perform all authorized repair functions.) NOTE: Some limited repair may be done on the item at a lower level of maintenance, If authorized by the Maintenance Allocation Chart (MAC) and SMR codes This position will contain one of the following maintenance codes.

Code	Application/Explanation
O -	Organizational or aviation unit is the lowest level that can do complete repair of the item.
F -	Direct support or aviation intermediate is the lowest level that can do complete repair of the item.
H -	General Support is the lowest level that can do complete repair of the item.
L -	Specialized repair activity is the lowest level that can do complete repair of the item.
D -	Depot is the lowest level that can do complete repair of the item
Z -	Nonrepairable. No repair is authorized.
B -	No repair is authorized. (No parts or special tools are authorized for the maintenance of a "B" coded item) However, the Item may be reconditioned by adjusting, lubricating, etc, at the user level.

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

Recoverability Codes	Application/Explanation
Z	-Nonrepairable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in third position of SMR Code.
O	-Reparable item When not economically reparable, condemn and dispose of the item at organizational or aviation unit level
F	-Reparable item. When uneconomically reparable, condemn and dispose of the item at the direct support or aviation intermediate level
H	-Reparable item. When uneconomically reparable, condemn and dispose of the item at the general support level.
D	-Repairable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of item not authorized below depot level.
L	-Reparable item. Condemnation and disposal not authorized below specialized repair activity (SRA).
A	-Item requires special handling or condemnation procedures because of specific reasons (e.g., precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.

c. CAGEC (Column (3)). The Commercial and Government Entity Code (C'AGEC) is a 5-digit numeric code which is used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item

d. PART NUMBER (Column (4)). 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 you use an NSN to requisition an item, the item you receive may have a different part number from the part ordered.

e. DESCRIPTION AND USABLE ON CODE (UOC) (Column (5)). This column includes the following information:

(1) The Federal item name and, when required, a minimum description to identify the item.

(2) The physical security classification of the item is indicated by the parenthetical entry, e.g., PhySec 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 equipments 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.

(10) The indenture, shown as dots appearing before the repair part, indicates that the item is a repair part of the next higher assembly

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 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, i.e.

NSN
5305-01-574-1467
NIIN

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 through Z, followed by the numbers 0 through 9 and each following letter or digit in like order).

(1) **CAGEC column.** The Commercial 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 Sections II and III.

(5) **ITEM column.** The item number is that number assigned to the item as it appears in the figure referenced in 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 Section 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 Commercial 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. USABLE ON CODE. The usable on code appears in the lower corner of the Description column heading. Usable on codes are shown as "UOC: ." in the Description Column (justified left) on the last line applicable Item description/nomenclature. Uncoded items are applicable to all models.

b. ASSOCIATED PUBLICATIONS. The publications listed below pertain to the Hoseline Outfit, Fuel Handling, 4inch diameter and its components.

Publication	Short Title
TM 10-3835-219-14	Hoseline Outfit, Fuel Handling

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 note the item number.

(4) **Fourth.** Refer to the Repair Parts List for the figure to find the part number for the item number noted on the figure.

(5) **Fifth.** Refer to the Part Number Index to find the NSN, if assigned.

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. The NSN index is in National Item Identification Number (NIIN) sequence (see

c-4a (1)). The part numbers in the Part Number index are listed in ascending alphanumeric sequence (see paragraph c-4.b). Both indexes cross-reference you to the illustration figure and item number of the item you are looking for.

(2) Second. After finding the figure and item number, verify that the item is the one you are looking for, then locate the item number in the repair parts list for the figure.

7. ABBREVIATIONS. Abbreviations used in this manual are listed in MIL-STD-12.

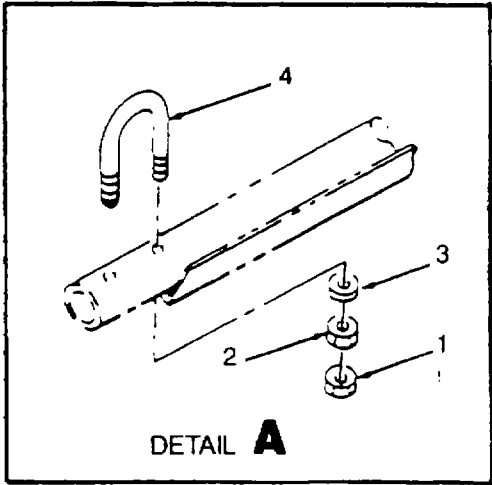
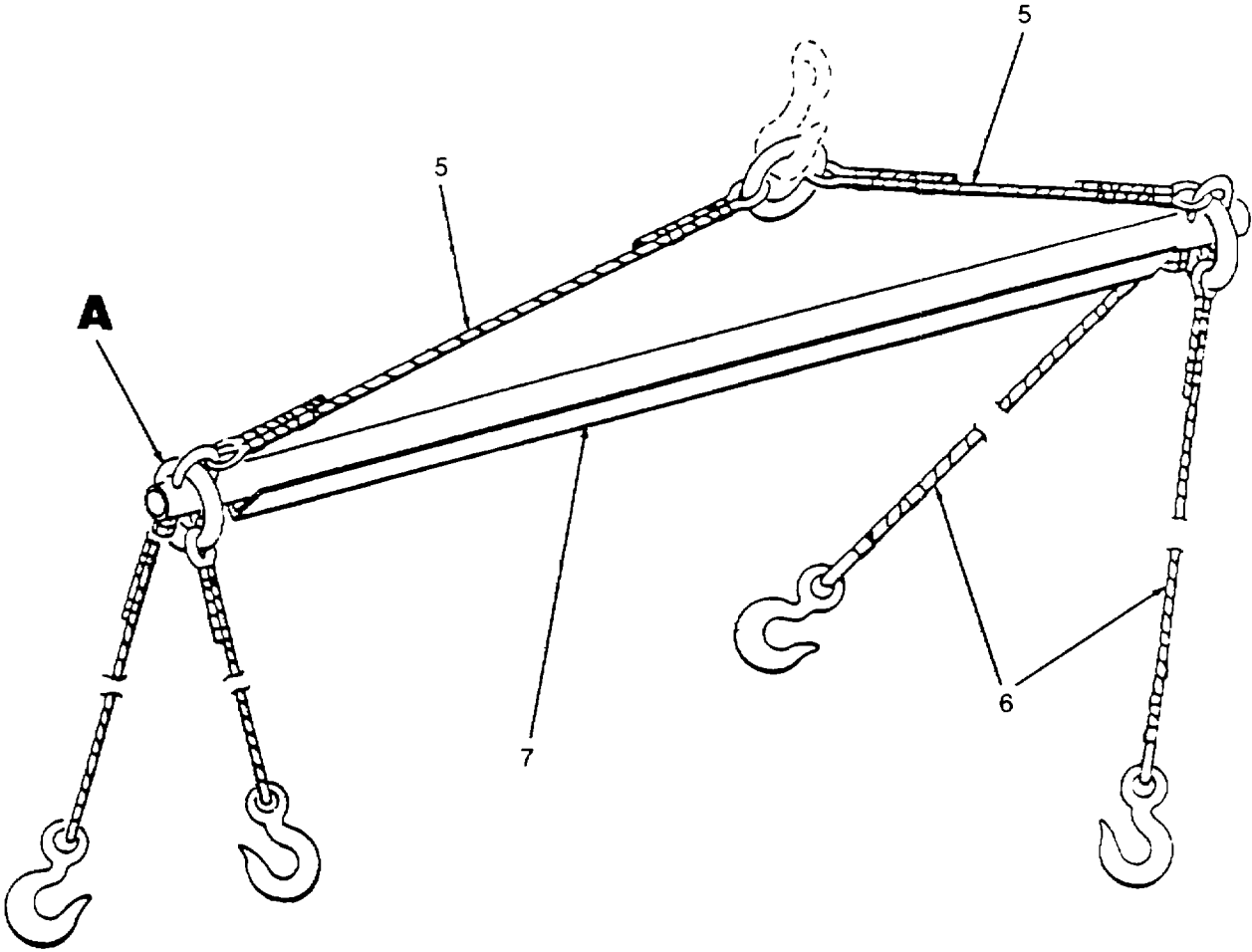


Figure 1. Sling Assembly.

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
				GROUP 01 SLING ASSEMBLY	
				FIG. 1 SLING ASSEMBLY	
				SLING, MULTIPLE LEG.....	1
1	PAOZZ	94403	13212E7102	•NUT,PLAIN,HEXAGON	4
2	PAOZZ	96906	MS35691-57	•NUT,PLAIN,HEXAGON	4
3	PAOZZ	96906	MS51967-23	•WASHER,FLAT	4
4	PAOZO	96906	MS27183-23	•BOLT,U.....	2
5	PAOZZ	97403	13212E7103	•SLING,CABLE,UPPER	2
6	PBOZZ	97403	13212E7102	•SLING,MULTIPLE LEG	2
7	PBOZZ	97403	13229E8592	•SPREADER,BAR	1
				13212E7104	

END OF FIGURE

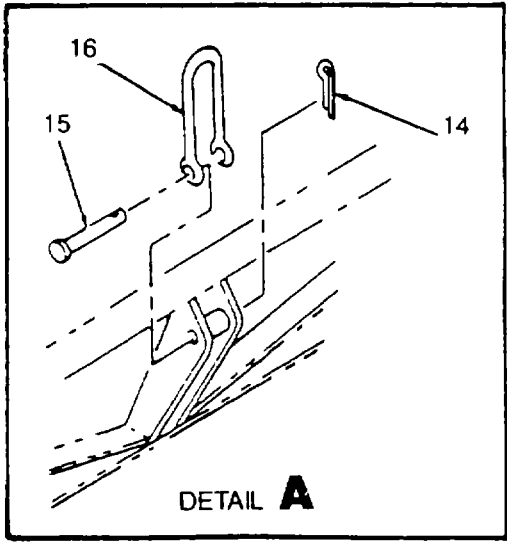
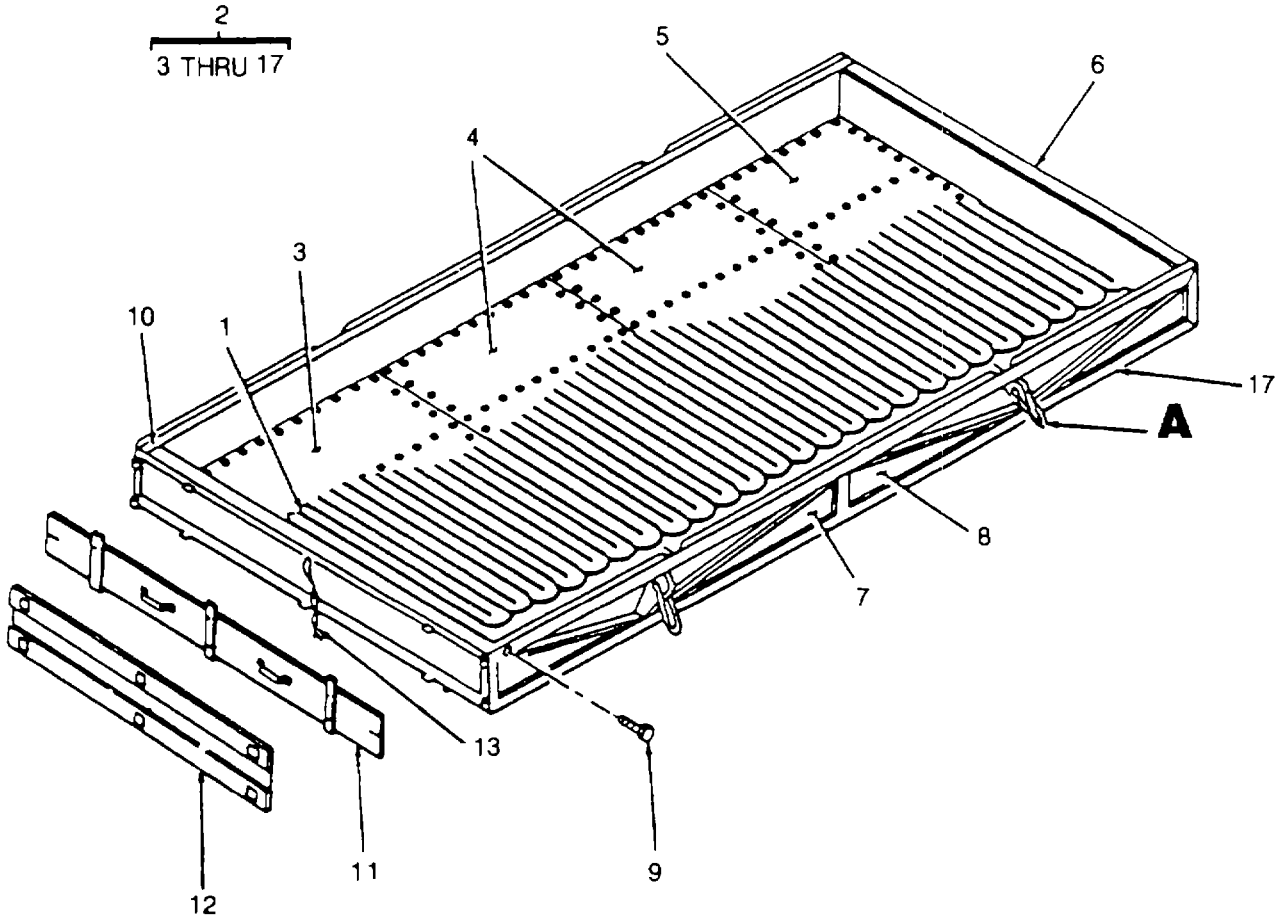


Figure 2. Hose Assembly and Flaking Box

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
GROUP 02 HOSE AND FLAKING BOX ASSEMBLY					
FIG. 2 HOSE ASSEMBLY AND FLAKING BOX					
	PDOFF	81348	MIL-H52262	HOSE AND FLKING BOX	3
1	XDOZZ	81349	MIL-H-52262D	HOSE	1
2	XDOZZ	97403	13200E5940	FLAKING BOX ASSY	1
3	PBOZZ	97403	13200E5940-15	•PANEL	1
4	PBOZZ	97403	13200E5940-6	•PANEL	2
5	PBOZZ	97403	13200E5940-5	•PANEL	1
6	PBOZZ	97403	13200E5940-4	•PANEL,SIDE,HOSELINE	1
7	XDOZZ	97403	13200E5957-1	•COVER,SIDE	2
8	XDOZZ	97403	13200E5957-2	•PANEL	2
9	PAOZZ	96906	M590728-38	•BOLT,MACHINE	2
10	PBOZZ	97403	13200E5952	•TIE BAR ASSEMBLY	1
11	XDOZZ	97403	13200E5960	•TAIL GATE ASSEMBLY	1
12	XDOZZ	97403	13200E9063	••BREAKAWAY	1
13	XDOZZ	8138Q	Q-W-461CL2FIN5	••WIRE,CLASS2,FIN5	3
14	PAOZZ	96906	MS24665-353	•PIN,COTTER	4
15	PAOZZ	97403	13200E5959	•PIN,CLEVIS	4
16	PAOZZ	97403	13200E5958	•CLEVIS AND U-BOLT	4
17	PBOFF	97403	13200E5941	•FRAME ASSEMBLY,HOSE	1

END OF FIGURE

9
10 THRU 14

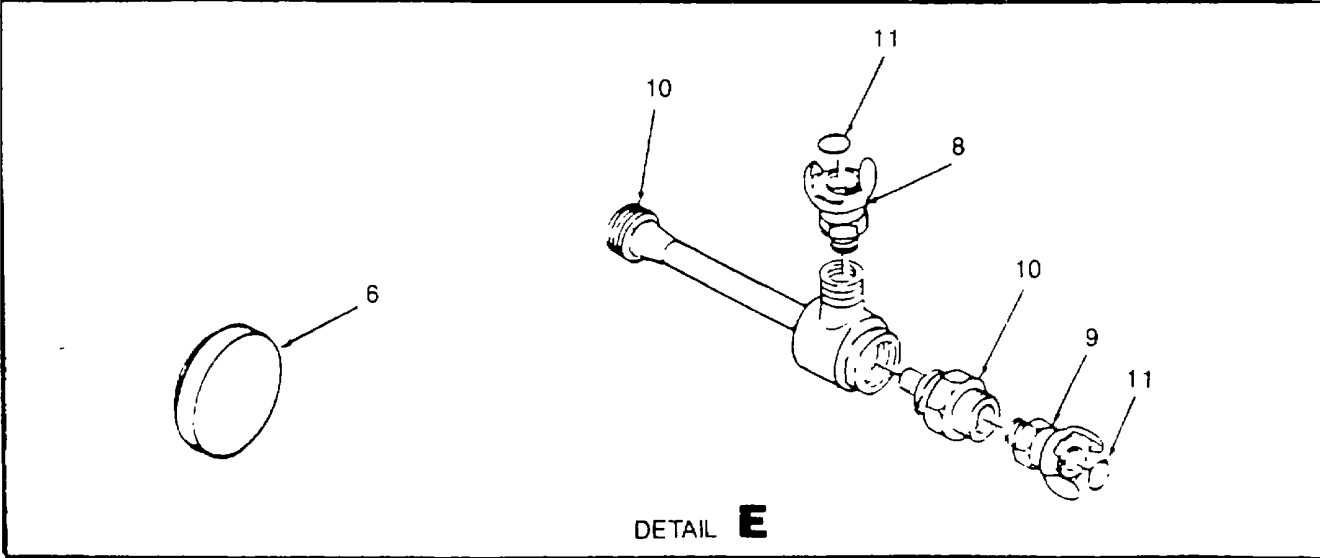
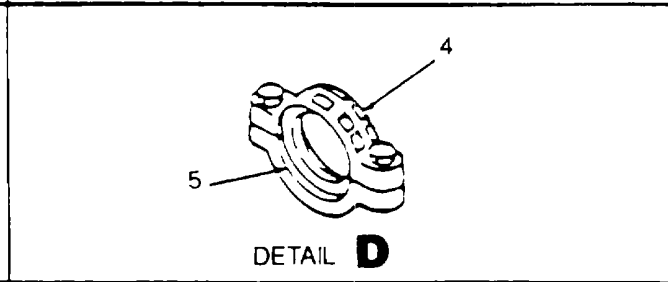
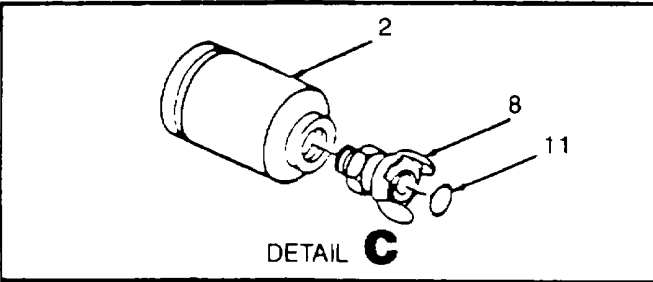
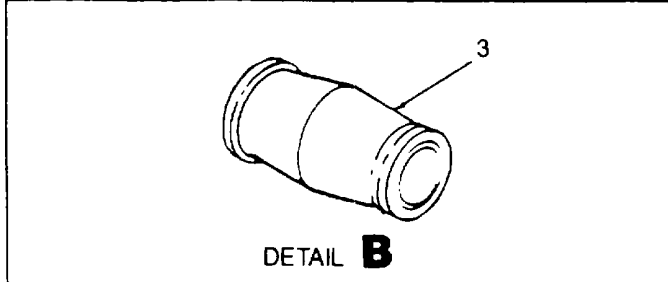
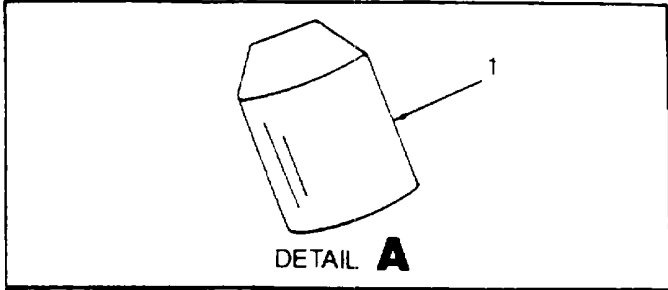
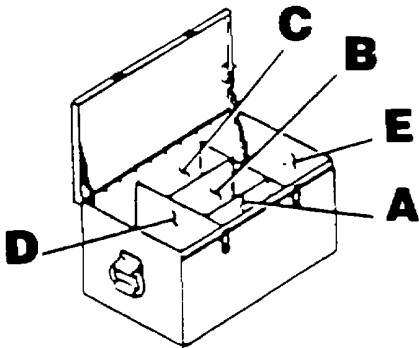


Figure 3. Hoseline Displacement and Evacuation Kit.

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
GROUP 03 DISPLACEMENT AND EVACUATION AND REPAIR KITS					
FIG. 3 HOSELINE DISPLACEMENT AND EVACUATION KIT					
	PDOFF	81349	MIL-D-52349	DISPLACEMENT AND EVACUATION KIT	1
1	PBOZZ	63853	04-SBFS-K	•BALL,DISPLACEMENT	1
2	PBOZZ	97403	13200E6229	•BALL, RECEIVER	1
3	PBOZZ	97403	13200E6226	•BALL,INLET	1
4	PAOZZ	81349	M10387-1-B-09	•COUPLING,CLAMP,PIPE.....	16
5	PAOZZ	81349	M10387-3A09	•GASKET	2
6	PBOZZ	81349	M10388 A05A11C4A	•CAP,PIPE	16
7	PBOZZ	72661	GL-11	•HOUSING,LIQUID PUMP	1
8	PBOZO	81348	WWC633-14-M	••COUPLING HALF,QUICK	1
9	PBOZZ	81348	WWC633-15-M	••COUPLING HALF,QUICK	1
10	PBFZZ	89117	29434	••EJECTOR,JET	1
11	PDOOO	81349	MIL-P11719	••PACKING.....	1

END OF FIGURE

9
10 THRU 14

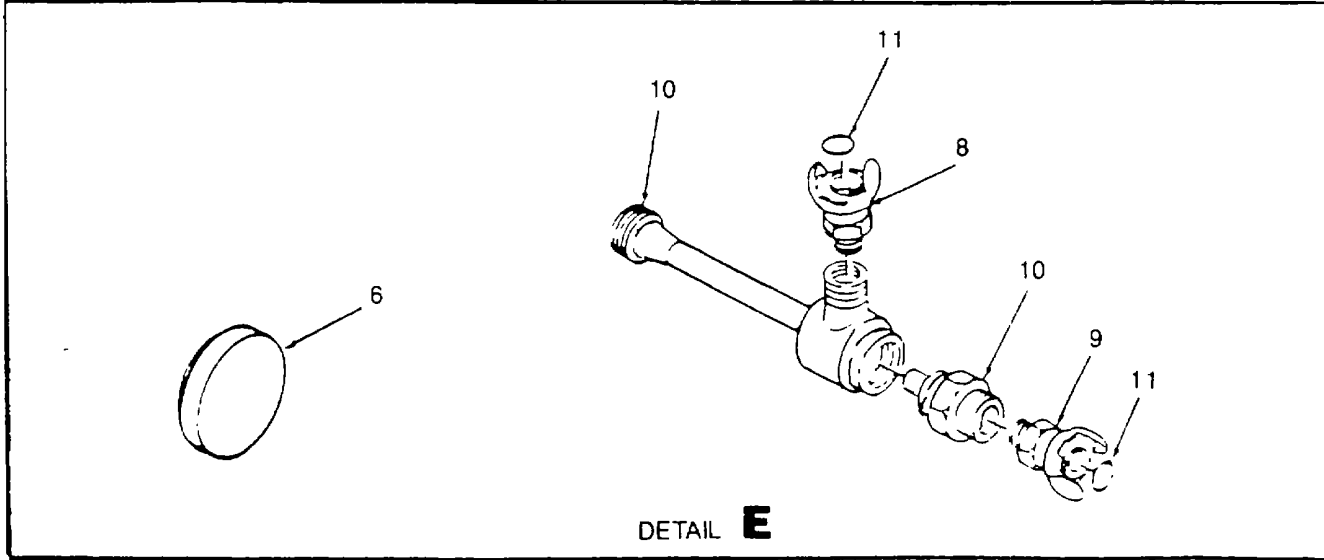
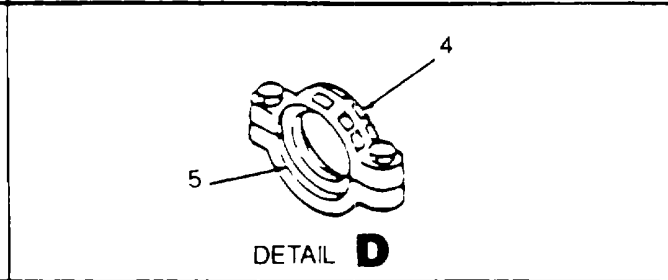
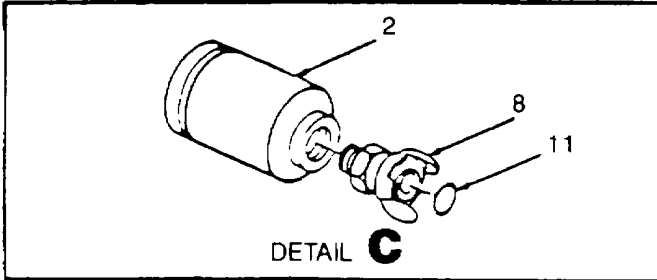
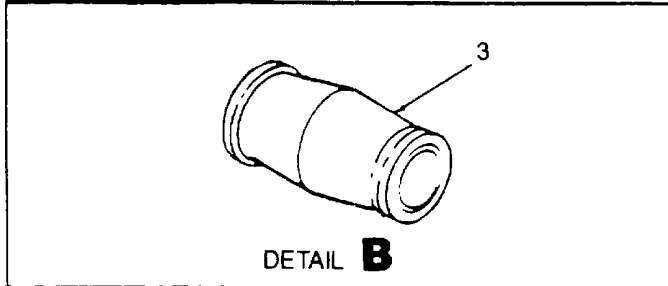
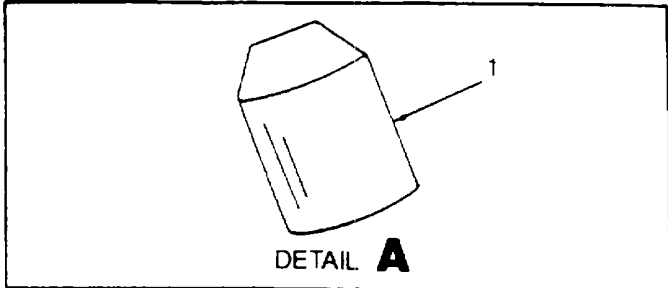
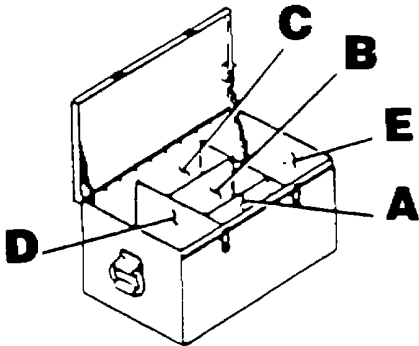


Figure 4. Displacement and Evacuation Kit (Model 1461).

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
				GROUP 03 DISPLACEMENT AND EVACUATION AND REPAIR KITS	
				FIG. 4 DISPLACEMENT AND EVACUATION KIT (MODEL NO. 1461)	
	PDOFF	81349	MIL-D-52349	DISPLACEMENT AND EV.....	1
				UOC:EKM	
1	PBOZZ	7Y367	04-PL-CYL-2	•BALL DISPLACEMENT	1
				UOC:EKM	
2	PBOZZ	97403	13200E6229	•BALL, RECEIVER	1
3	PBOZZ	97403	13200E6226	•BALL,INLET	1
				UOC:EKM	
4	PAOZZ	81349	M10387-1-B-09	•COUPLING,CLAMP,PIPE	8
				UOC: EKM	
5	PAOZZ	81349	M10387-3A09	•GASKET	2
				UOC:EKM	
6	PBOZZ	81349	M10388	•CAP, PIPE	16
				UOC:EKM	
7	PBFZZ	89117	GL-11	•HOUSING,LIQUID PUMP.....	1
				UOC:EKM	
8	PBOZZ	81348	WWC633-15-B	••COUPLING HALF,QUICK	1
9	PBOZZ	81348	WWC633-14-B	••COUPLING HALF,QUICK	1
				UOC:EKM	
10	PBOZZ	89117	GL-1	••EJECTOR,JET	1
11	PAOZZ	89117	MIL-11719	••PACKING,PREFORMED	3
				UOC:EKM	

END OF FIGURE

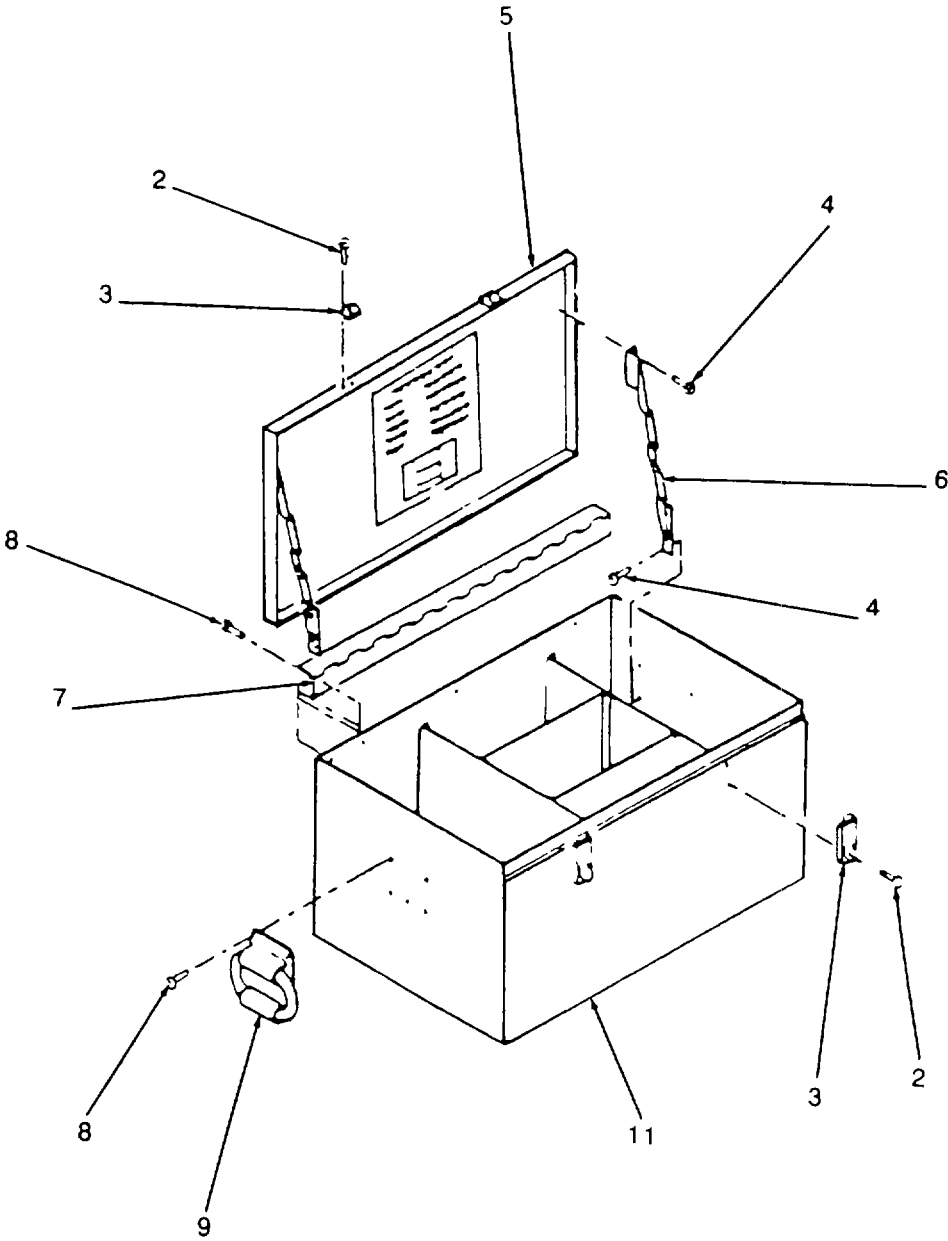


Figure 5. Displacement and Evacuation Kit (Model 1461).

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
				GROUP 03 DISPLACEMENT AND EVACUATION AND REPAIR KITS	
				FIG. 5 DISPLACEMENT AND EVACUATION KIT CHEST ASSEMBLY (MODEL NO. 1461)	
	PBOZZ	62913	370-00133-01	CHEST,DISPLACEMENT	1
				UOC: EKM	
1	PDOZZ	62913	410-00107-01	•DIAGRAM,LOADING	1
				UOC: EKM	
2	XDOZZ	96906	MS20613-6P5	•RIVET, SOLID.....	4
				UOC:EKM	
3	XDOZZ	39428	8334-02	•CATCH,CLAMPING.....	2
				UOC: EKM	
4	PBOZZ	96906	MS20613-6P5	•RIVET, SOLID.....	4
				UOC:EKM	
5	XDOZZ	62913	H956-LS2RG	•COVER	1
				UOC:EKM	
6	XDOZZ	03007	7791	•LID,SUPPORT	2
				UOC:EKM	
7	PDOZZ	62913	PS07070510	•HINGE.....	1
				UOC: EKM	
8	PBOZZ	96906	MS20613-8P8	•RIVET,SOLID.....	20
9	PBOZZ	03007	410-00104-03	•HANDLE	2
				UOC:EKM	
10	PDOZZ	62913	370-00131-03	•CHEST ASSY,WELDMENT	1
				UOC:EKM	

END OF FIGURE

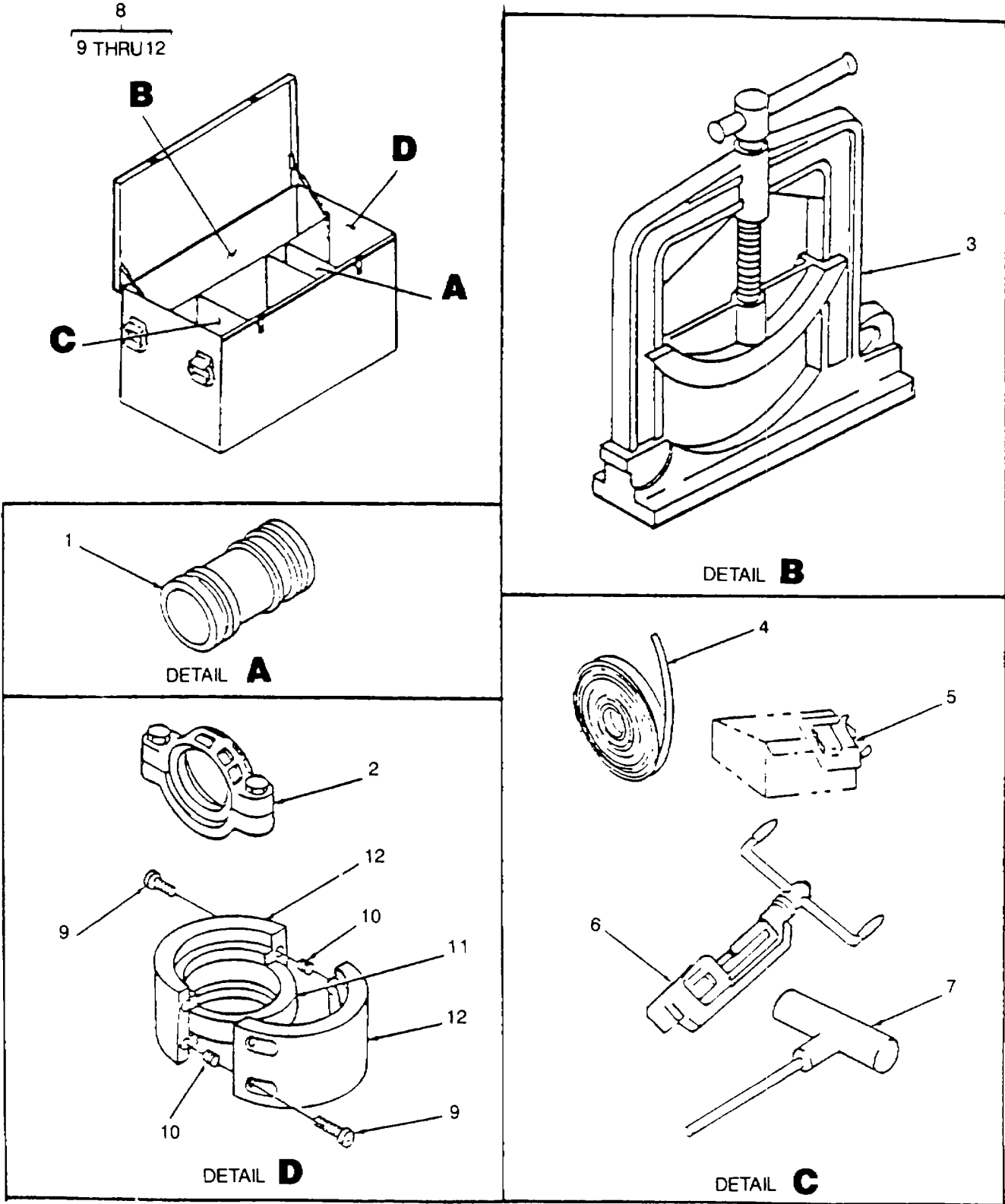


Figure 6. Repair Kit

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
GROUP 03 DISPLACEMENT AND EVACUATION AND REPAIR KITS					
FIG. 6 REPAIR KIT					
	XDOFF	92786	52343	REPAIR KIT,HOSELINE	1
1	PAOZZ	97403	13222E7751	•ADAPTER,GROOVED	10
2	PBOZZ	81349	M10387-1-B-09	•COUPLING,PIPE CLAMP	8
3	PAOZZ	30659	832-40	•TOOL,HOSE CLAMP 4IN.....	4
UOC:EKM					
4	PAOZZ	70847	C206	•STRAPPING	2
5	PAOZZ	70847	C256	•SEAL,STRAPPING.....	100
6	PDOZZ	81349	MIL-R-52343	•CLAMPING TOOL,STRAP	1
7	PAOZZ	10001	1549785	•KEY,SOCKET HEAD SCREW	2
8	PAOZZ	97403	13222E9737	•COUPLING,RING GROOVED.....	2
9	PAOZH	96906	MS16997-100	••SCREW,CAP,SOCKET	4
10	PAOZZ	96906	M5122123	••INSERT,SCREW THREAD	4
11	PAOZZ	81349	M10387-3A09	••GASKET	2
12	PAOZZ	97403	13222E9737-1	••BAR CPLG GROOVED.....	2
UOC:DLK					

END OF FIGURE

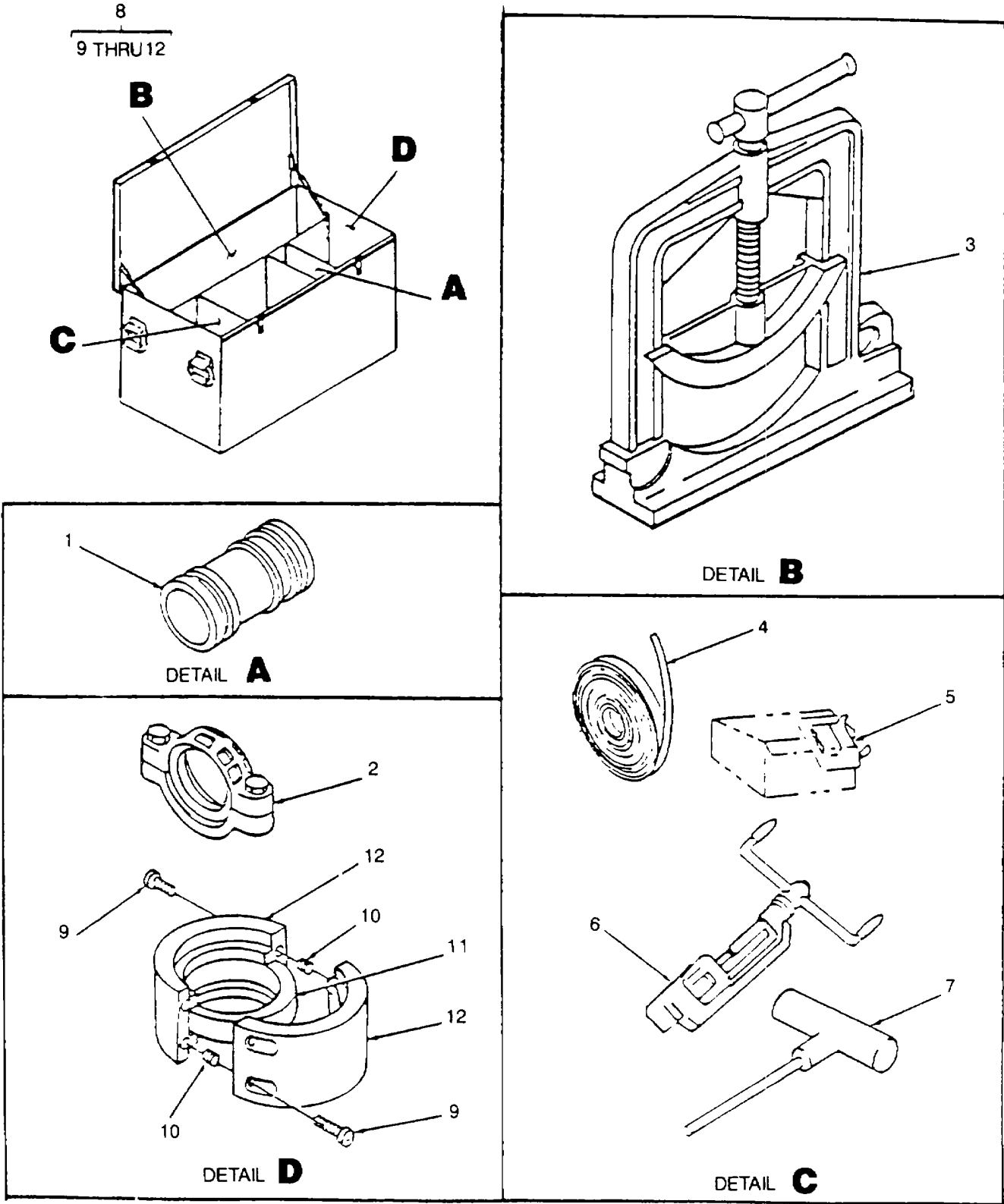


Figure 7. Repair Kit (Model No. 1461).

SECTION II

TM 10-3835-219-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
				GROUP 03 DISPLACEMENT AND EVACUATION KIT AND REPAIR KITS	
				FIG. 7 REPAIR KIT(MODEL NO. 1461)	
	XDOFF	92786	52343	REPAIR KIT,HOSELINE	1
				UOC:EKM	
1	PAOZZ	97403	13222E7751	••ADAPTER,GROOVED	10
2	PAOZZ	81349	M10387-1-B-09	•COUPLING,PIPE CLAMP.....	8
				UOC:EKM	
3	PAOZZ	30659	832-40	•TOOL, HOSE CLAMP	4
				UOC:EKM	
4	PAOZZ	78047	C206	•STRAPPING	2
5	PAOZZ	70847	C256	•SEAL,STRAPPING	1
6	PDOZZ	81349	MIL-R-52343	•CLAMPING TOOL,STRAP	1
				UOC:DLK	
7	PAOZZ	10001	1549785	•KEY,SOCKET HEAD	2
				UOC:EKM	
8	PAOZZ	97403	13222E9737	•COUPLING,RING	1
9	PAOZH	96906	M516997-100	•SCREW,CAP,SOCKET	4
				UOC: EKM	
10	PAOZZ	96906	M5122123	••INSERT,SCREW THREAD	4
				UOC:EKM	
11	PAOZZ	81349	MIL-C-10387 3BA	••GASKET	2
				UOC:EKM	
12	PAOZZ	97403	13222E9737-1	••RING,SPLIT COUPLING	4

END OF FIGURE

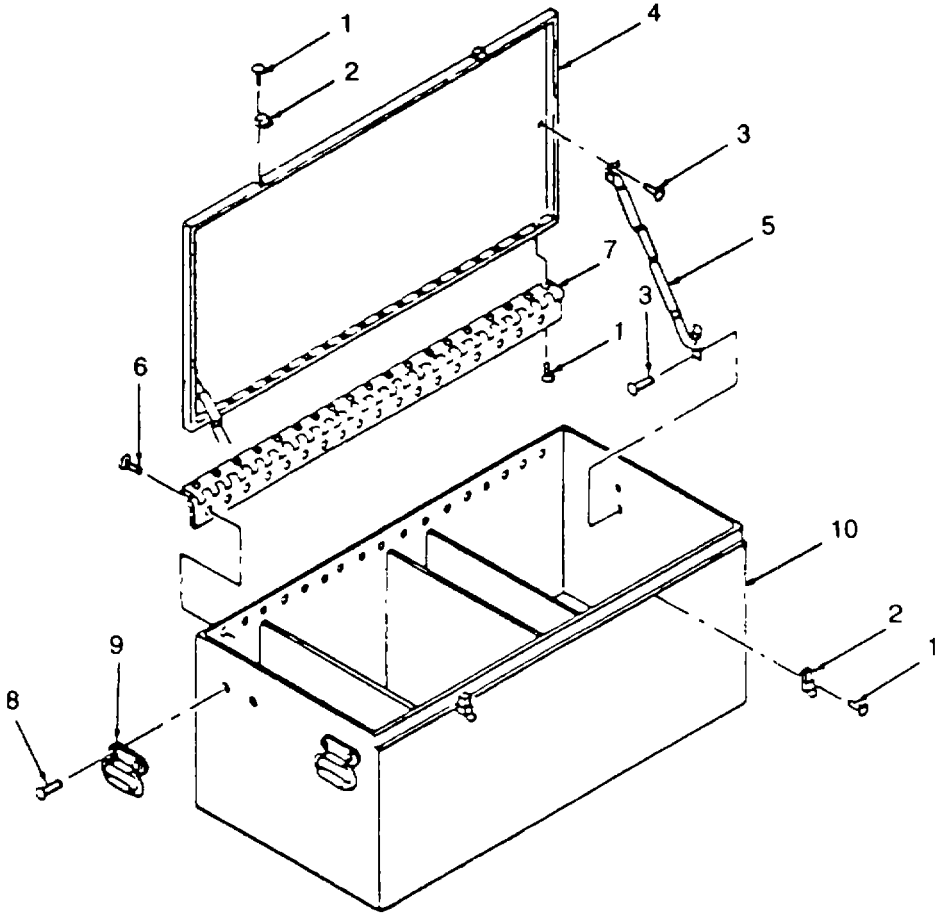


Figure 8. Chest Assembly Displacement and Evacuation and Repair.

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY

GROUP 04 CHEST ASSEMBLY, DISPLACEMENT AND EVACUATION AND REPAIR KITS

FIG. 8 CHEST ASSEMBLY DISPLACEMENT AND EVACUATION AND REPAIR KIT

	XDOZZ	62913	200018	CHEST ASSEMBLY	1
1	PAOZZ	96906	M520427-6C6	•RIVET,SOLID	18
2	PAOZZ	39428	1767A11	•CATCH,CLAMPING	2
3	PAOZZ	96906	M520613-8P8	RIVET,SOLID	1
4	XDOZZ	62913	200025	•COVER	1
5	XDOZZ	03007	7791-02	•SUPPORT LID	2
6	XDOZZ	07707	SD 64 B9	•RIVET,DOME,HOSELINE	18
7	PAOZZ	62913	200021-4	•HINGE,HOSELINE	1
8	PAOZZ	96906	M520613-8P8	•RIVET,SOLID	20
9	PAOZZ	03007	94555-2-R6	•HANDLE,MANUAL	4
10	XDOZZ	62913	200024	•CHEST,REPAIR	1

END OF FIGURE

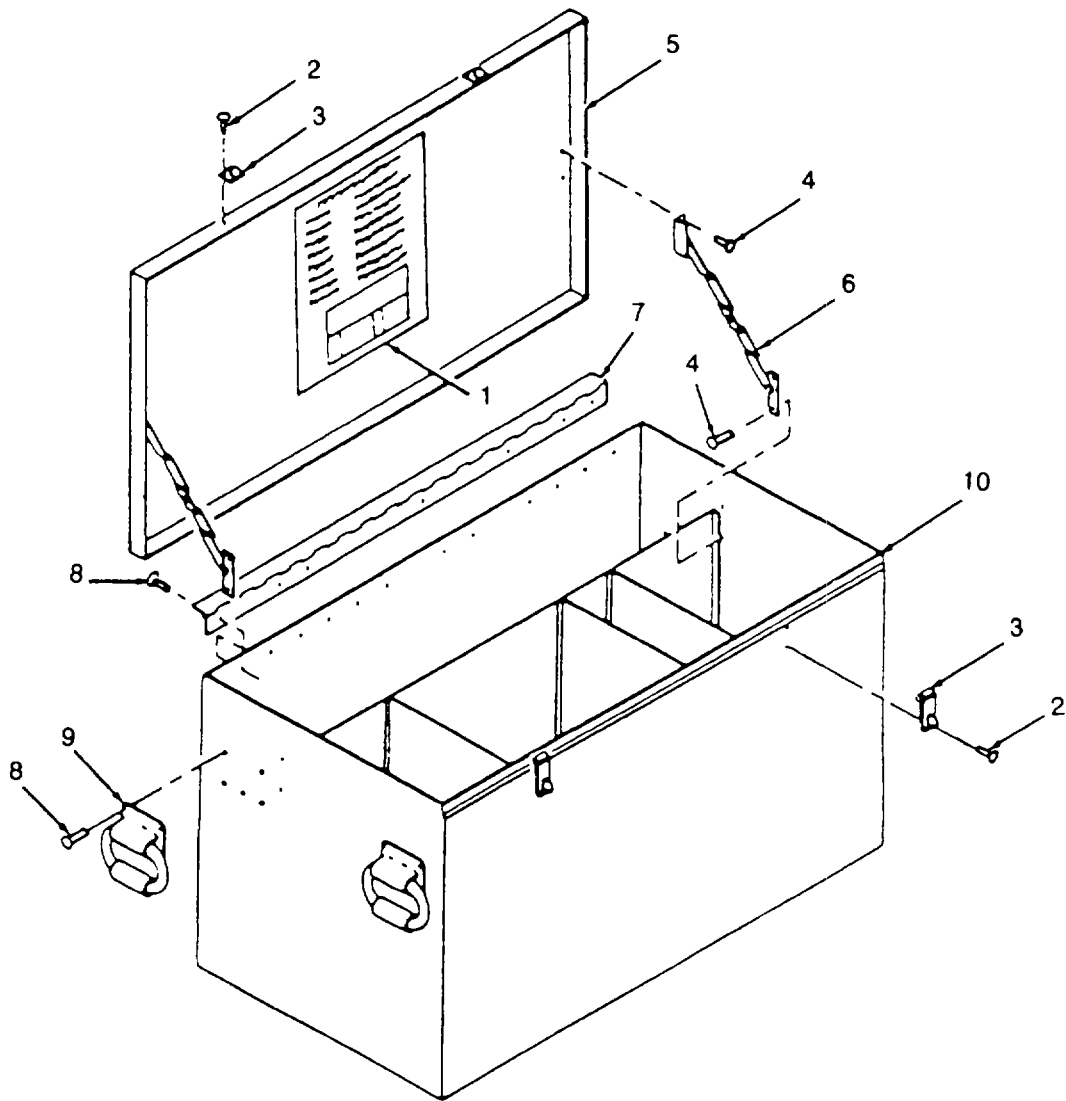


Figure 9. Repair Kit Chest Assembly (Model No. 1461).

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
				GROUP 04 CHEST ASSEMBLY, DISPLACEMENT AND EVACUATION AND REPAIR KITS	
				FIG. 9 REPAIR KIT CHEST ASSEMBLY (MODEL NO. 1461)	
	XDOOO	62913	370-000130-03	CHEST,REPAIR KIT	1
				UOC: EKM	
1	PDOZZ	62913	410-00108-01	•DIAGRAM,LOADING	1
				UOC:EKM	
2	PAOZZ	96906	M520427-6C6	•RIVET,SOLID	10
3	XDOZZ	39428	8334-02	•CATCH,CLAMPING	2
				UOC:EKM	
4	PAOZZ	96906	M520427-8C9	•RIVET,SOLID	10
				UOC:EKM	
5	XDOZZ	62913	410-00104-02	•COVER ASSEMBLY	1
				UOC:EKM	
6	XDOZZ	03007	7791	•LID SUPPORT	2
				UOC:EKM	
7	XDOZZ	62913	PS0700510	•HINGE	1
				UOC: EKM	
8	PAOZZ	96906	MS20613-8P8	RIVET,SOLID	20
9	XDOZZ	62913	H956-LS2RG	•HANDLE	4
				UOC:EKM	
10	XDOOO	62913	370-00131-02	•CHEST ASSY,WELDMENT	1
				UOC:EKM	

END OF FIGURE

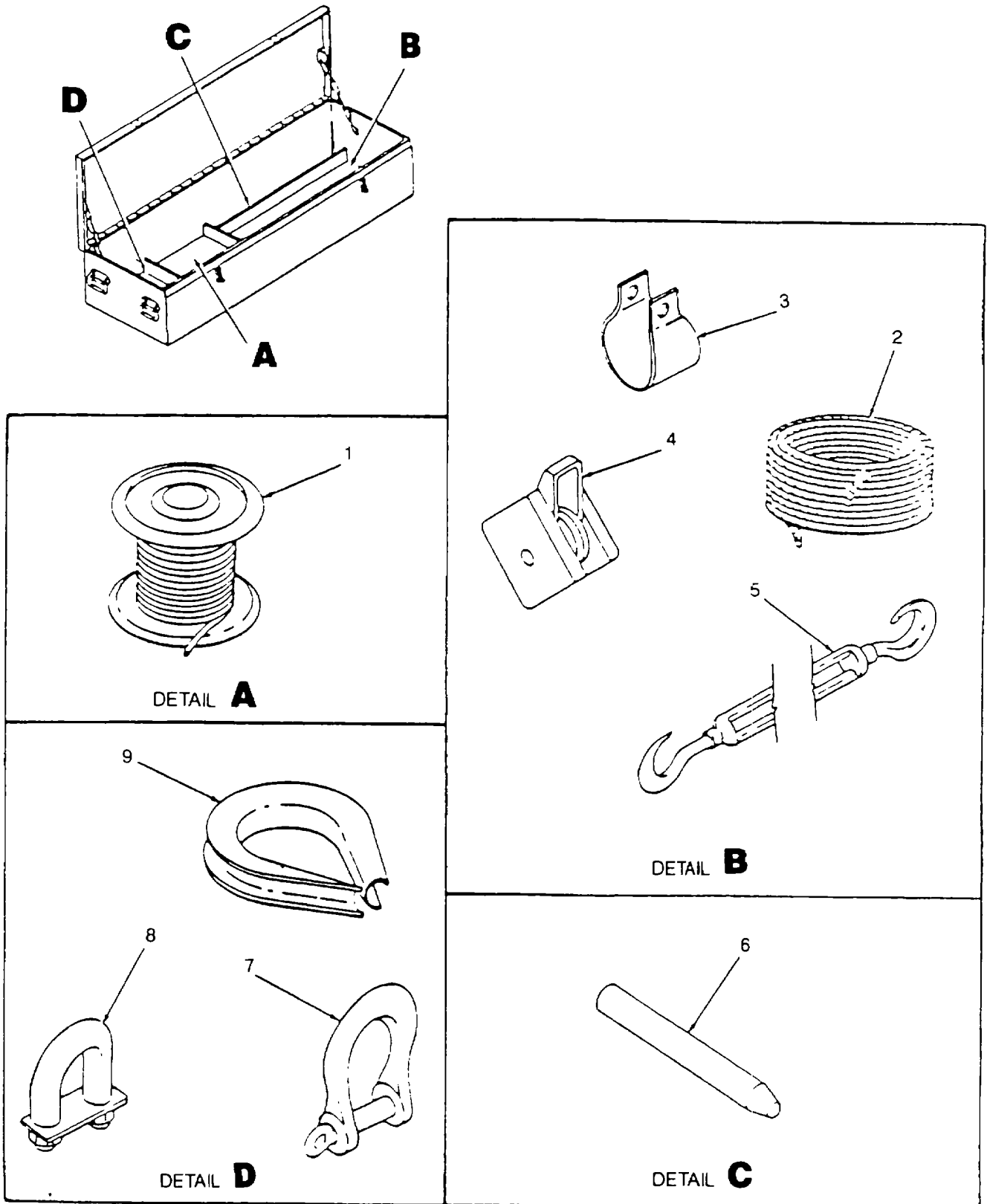


Figure 10. Hoseline Suspension Kit.

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 05 SUSPENSION AND PACKING KITS					
FIG. 10 HOSELINE SUSPENSION KIT					
	PDOOO	81349	MIL-S-52341	SPNSN/PKG KIT HOSE	1
1	PAOZZ	81348	RRW410	•ROPE,WIRE	1
2	PAOZZ	81348	TR605	•ROPE,FIBROUS	1
3	PDOZZ	97403	13200E4792	•SADDLE,HOSE,FABRIC	60
4	PAOZZ	81349	GGG-B-490	•BLOCK,TACKLE	4
5	PAOZZ	81348	FFT791A TYPE1 FO TURNBUCKLE	4
			RM1 CLASS 5		
6	PAOZZ	63913	370-00133-01	STAKE,GUY	14
7	PAOZZ	81348	RR-C-271	•SHACKLE	60
8	PAOZZ	81348	FF-C-450TYI	•CLAMP,WIRE ROPE	25
9	PAOZZ	81348	FF-T-276	•THIMBLE,ROPE	4

END OF FIGURE

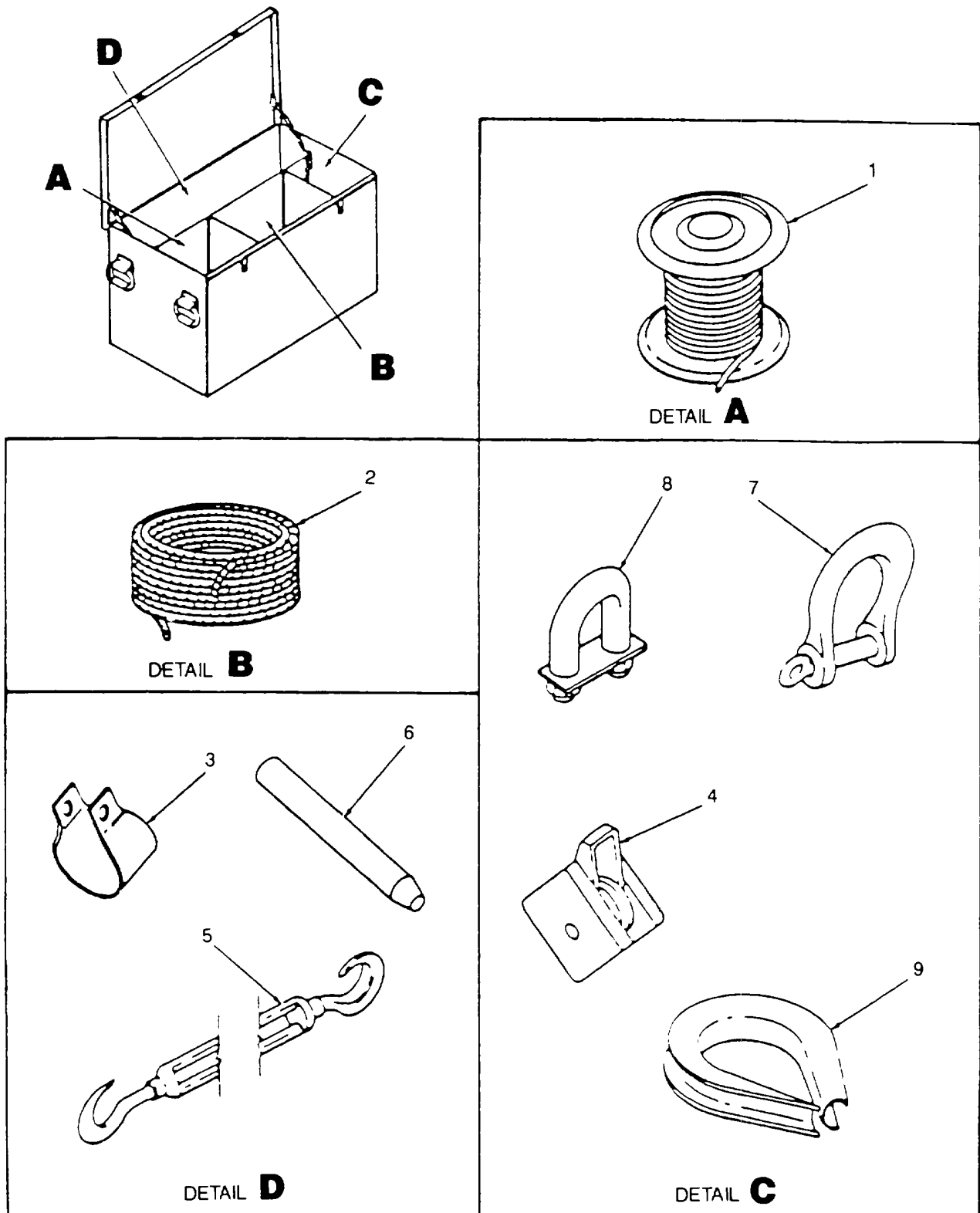


Figure 11. Suspension Kit (Model 1461).

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 05 SUSPENSION AND PACKING KITS					
FIG. 11 SUSPENSION KIT (MODEL NO. 1461)					
1	PDFFF	81349	MIL-S-52347	SUSPENSION KIT,HOSE	1
	PAOZZ	81348	RR-W-410	•ROPE,WIRE	1
				UOC:EKM	
2	PAOZZ	81348	R-R-605	•ROPE,FIBROUS.....	1
				UOC: EKM	
3	PAOZZ	97403	13200E4792	•SADDLE,HOSE,FABRIC	60
				UOC: EKM	
4	PAOZZ	81348	GGGB490	•BLOCK,TACKLE	4
				UOC:EKM	
5	PAOZZ	81348	FFT791A TYPE1 FO	TURNBUCKLE.....	4
			RM1 CLASS 5	UOC:EKM	
6	PBOZZ	63913	370-00133-01	STAKE,GUY	14
				UOC:EKM	
7	PAOZZ	81348	RR-C-271	•SHACKLE	60
				UOC:EKM	
8	PAOZZ	81348	FF-C-450-TY1	•CLAMP,WIRE ROPE	25
				UOC:EKM	
9	PAOZZ	81348	FF-T-276	•THIMBLE,ROPE	4
				UOC:EKM	

END OF FIGURE

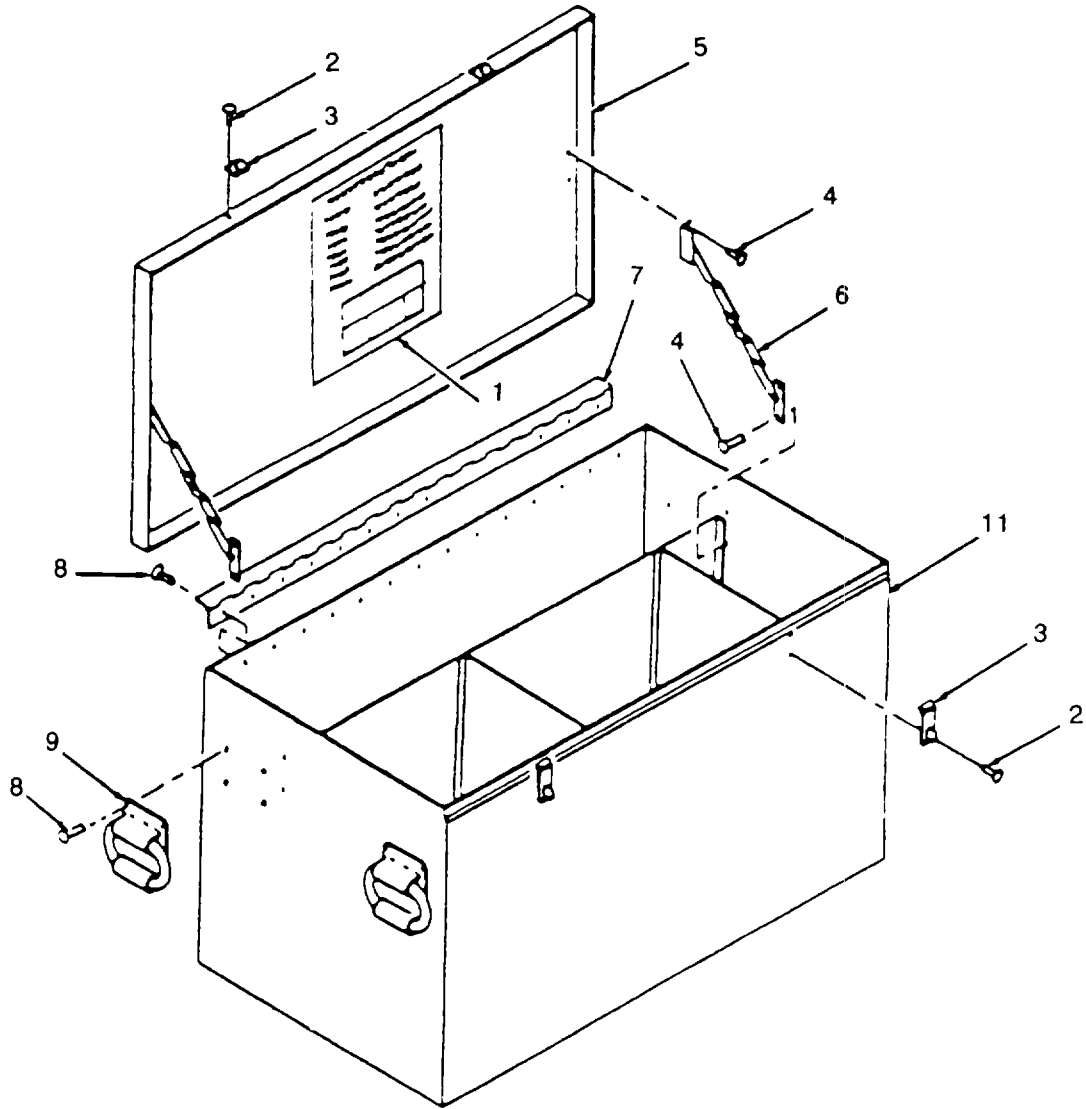


Figure 12. Suspension Kit Chest Assembly (Model No. 1461).

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
-------------------	--------------------	--------------	-----------------------	--	------------

GROUP 06 CHEST ASSEMBLY, SUSPENSION
AND PACKING KIT

FIG. 12 SUSPENSION KIT CHEST ASSEM-
BLY (MODEL NO. 1461)

	XDOOO	62913	370-000130-03	CHEST,SUSPENSION	1
				UOC:EKM	
1	PBOZZ	96906	410-00106-01	•DIAGRAM,LOADING	1
				UOC:EKM	
2	PAOZZ	96906	M520427-6C6	•RIVET,SOLID	18
3	XDOZZ	39428	8334-02	•CATCH,CLAMPING	2
4	PAOZZ	96906	MS20427-8C9	•RIVET,SOLID	10
				UOC:EKM	
5	XDOZZ	62913	410-00104-02	•COVER ASSY	1
				UOC: EKM	
6	PAOZZ	03007	7791-LH-02	•LEVER,MANUAL CONTROL	1
				UOC:EKM	
7	XDOZZ	62913	PS07070510	•HINGE	1
				UOC:EKM	
8	PAOZZ	96906	M520613-8P8	•RIVET,SOLID	20
9	PAOZZ	03007	94555S-2-R6	•HANDLE	4
				UOC:EKM	
10	PDOOO	62913	370-00131-02	•CHEST ASSY,WELDMENT	1
				UOC:EKM	

END OF FIGURE

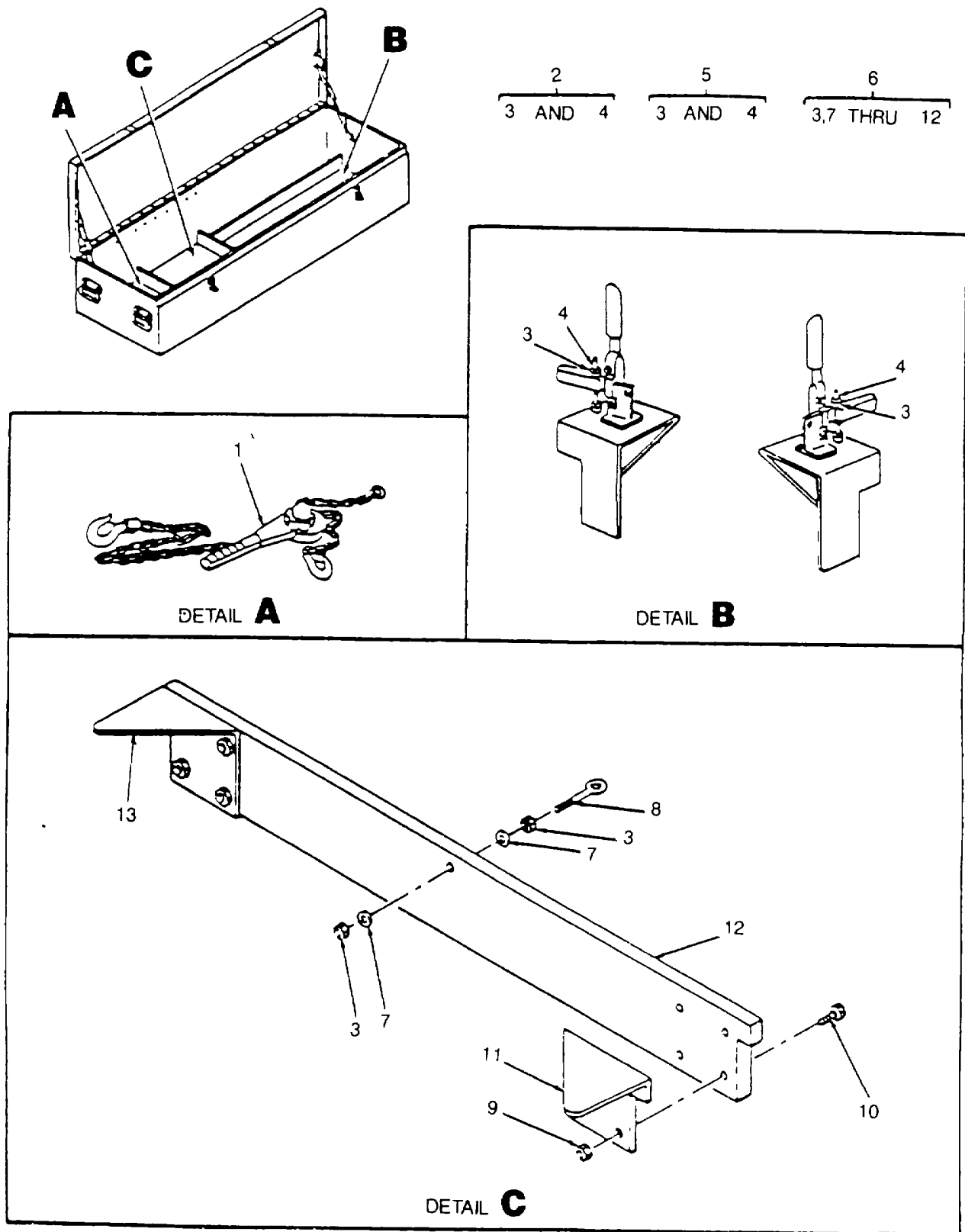


Figure 13. Hoseline Packing Kit.

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
-------------------	--------------------	--------------	-----------------------	--	------------

GROUP 06 CHEST ASSEMBLY, SUSPENSION
AND PACKING KIT

FIG. 13 HOSELINE PACKING KIT

	PDOZZ	81349	MILP52348	PACKING KIT,HOSELINE	1
1	PBOZZ	81349	MIL-H-904H	•HOIST,CHAIN	1
2	PBOZZ	97403	13222E9739	•RETAINING BRACKET L	2
3	PAOZZ	96906	MS51967-14	••NUT,PLAIN,HEXAGON	4
4	PAOZZ	96906	MS90728-123	••SCREW,CAP,HEXAGON	2
5	PBOZZ	97403	13222E9740	•RETAINING BRACKET R	2
6	PDOZZ	97403	13222E9738	•PULL BOARD ASSEMBLY	1
7	PAOZO	96906	MS27183-18	••WASHER,FLAT	2
8	PAOZZ	96906	MS27950-8	••BOLT,EYE	1
9	PAOZZ	96906	MS51922-1	••NUT,SELF-LOCKING	8
10	PAOZZ	96906	MS35751-22	••BOLT,SQUARE NECK	8
11	XDOZZ	81346	ASTM-A366	••BRACE	2
12	MOOZZ	81348	MM-L-736	••LUMBER,HARDWOOD	1
13	XBOZZ	62913	410-00102-01	••BRACE,LEFT HAND	1

END OF FIGURE

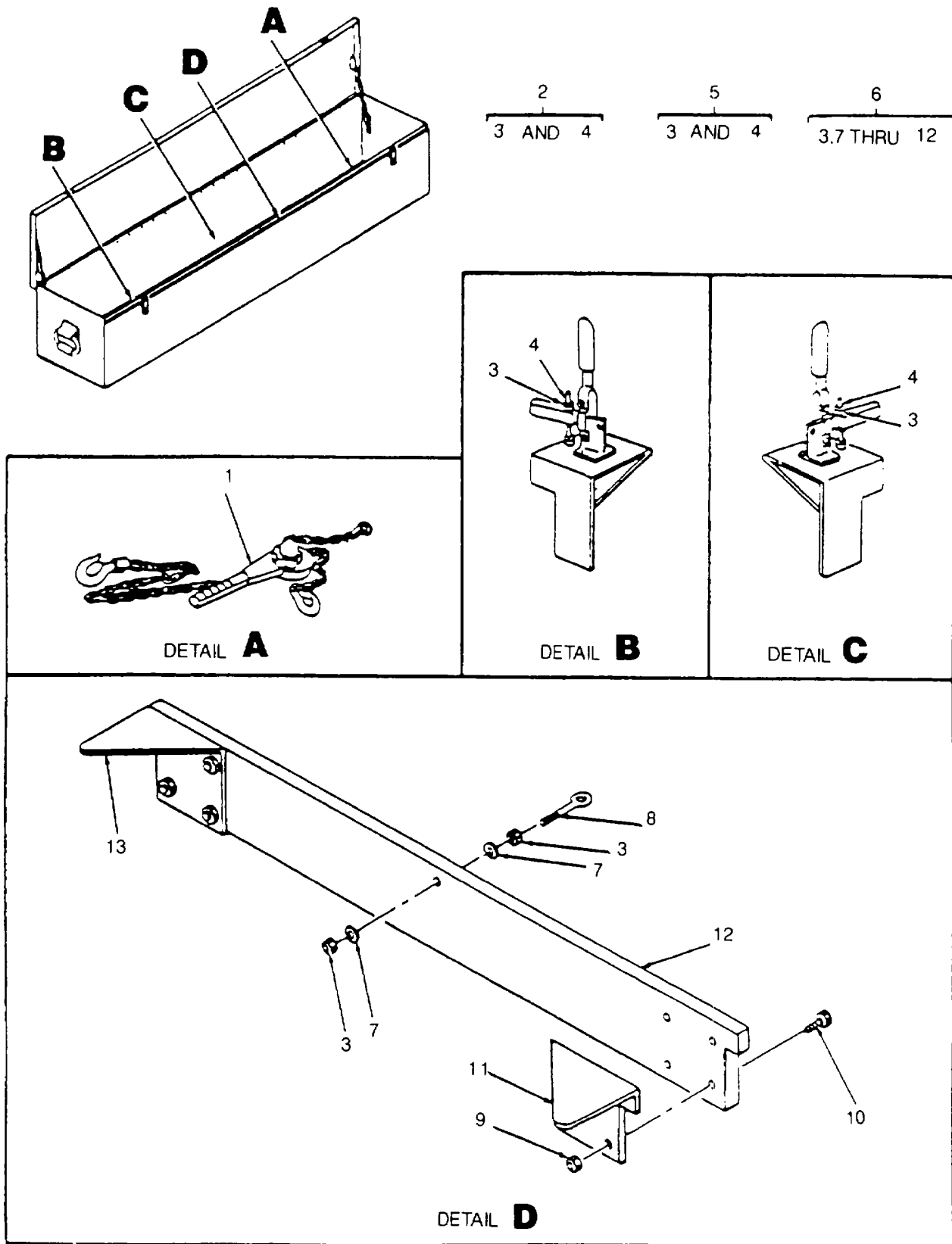


Figure 14. Packing Kit (Model 1461).

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
SECTION II					
GROUP 06 CHEST ASSEMBLY, SUSPENSION AND PACKING KIT					
FIG. 14 PACKING KIT (MODEL NO. 1461)					
	PDOZZ	81349	MIL-P-52348	PACKING KIT..... UOC:EKM	1
1	PBOZZ	81349	MIL-H-904H	•CHAIN HOIST..... UOC: EKM	1
2	PBOZZ	97403	13222E9739	•RETAINING BRACKET L UOC:EKM	1
3	PAOZZ	96906	MS51967-14	••NUT,PLAIN HEXAGON UOC:EKM	6
4	PAOZZ	96906	MS90728-123	••SCREW,CAP,HEXAGON H UOC:EKM	2
5	PBOZZ	97403	13222E9740	•RETAINING BRACKET R UOC: EKM	1
6	PDOZZ	97403	13222E9738	•PULL BOARD ASSEMBLY UOC:EKM	1
7	PAOZZ	96906	MS27183	••WASHER UOC:EKM	2
8	PAOZZ	96906	MS27950-8	••BOLT,EYE UOC: EKM	1
9	PAOZO	96906	MS51922-1	••NUT,SELF-LOCKING UOC: EKM	8
10	PAOZZ	96906	MS35751-22	••BOLT,SQUARE NECK UOC:EKM	8
11	XDOZZ	62913	410-00102-02	••BRACE,RH UOC:EKM	1
12	XBOZZ	62913	MM-L-736	••BOARD UOC:EKM	1
13	XDOZZ	62913	410-00102-01	••BRACE,LH UOC: EKM	1

END OF FIGURE

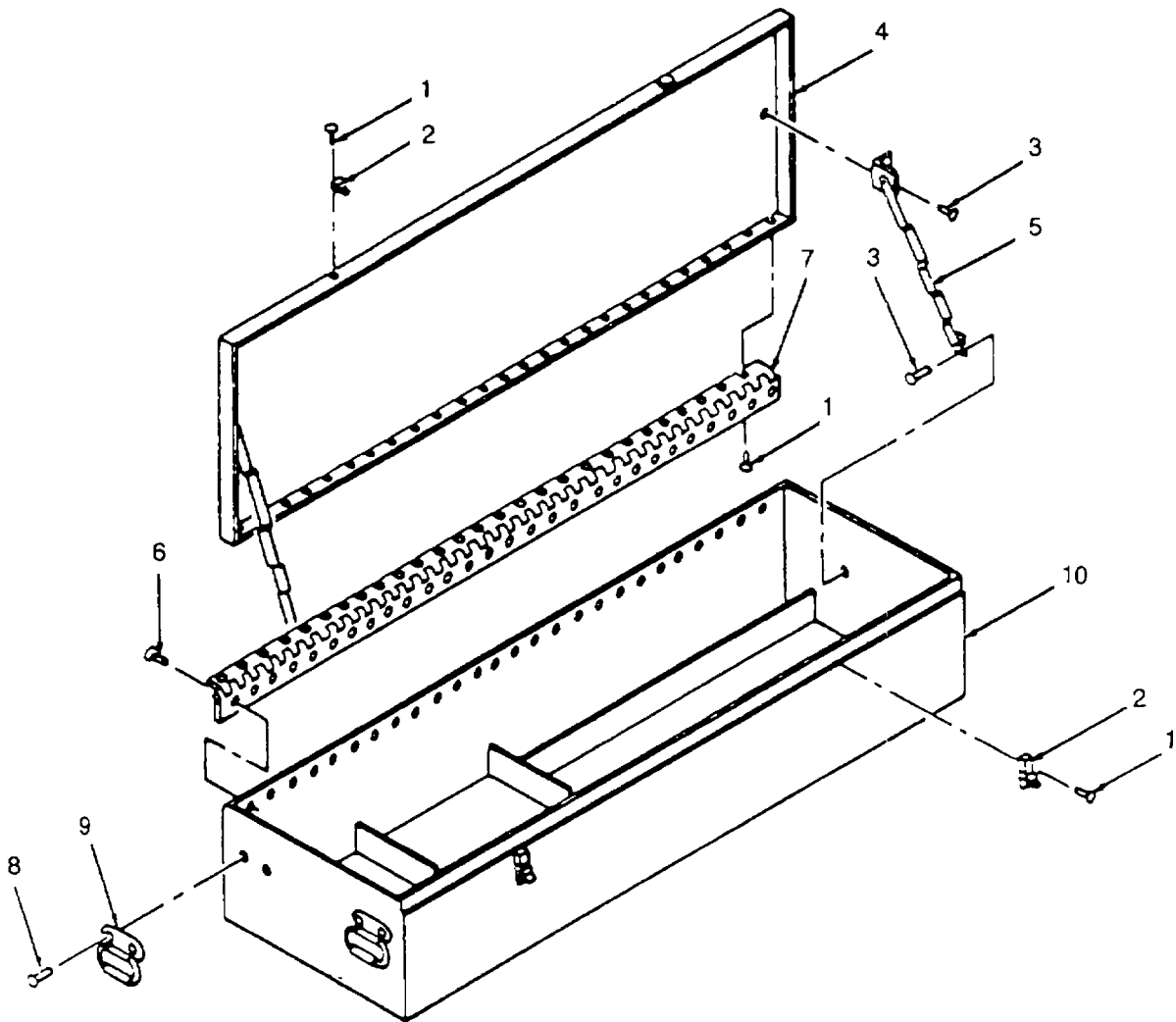


Figure 15. Suspension and Packing Kits Chest Assembly.

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
				GROUP 06 CHEST ASSEMBLY, SUSPENSION AND PACKING KIT	
				FIG. 15 SUSPENSION AND PACKING KITS CHEST ASSEMBLY	
	XCOZZ	62913	200016	CHEST ASSY,SPNSN & PACKING KITS	1
1	PAOZZ	96906	MS20427-6C6	•RIVET,SOLID	10
2	PAOZZ	39428	1767A11	•CATCH,CLAMPING	2
3	PAOZZ	96906	M520427-8C9	•RIVET,SOLID	10
4	XDOZZ	62913	200020	•COVER	1
5	PAOZZ	08754	1446-U52C	•LID SUPPORT	1
6	XDOZZ	07707	SD 64 B9	•RIVET,DOME,HOSELINE	27
7	PAOZZ	62913	200021-2	•HINGE,HOSELINE	1
8	PAOZZ	96906	MS20613-8P8	•RIVET,SOLID	20
9	PBOZZ	03007	H956-LS2RG	•HANDLE.....	2
10	XDOZZ	62913	200019	•SUSPENSION CHEST	1

END OF FIGURE

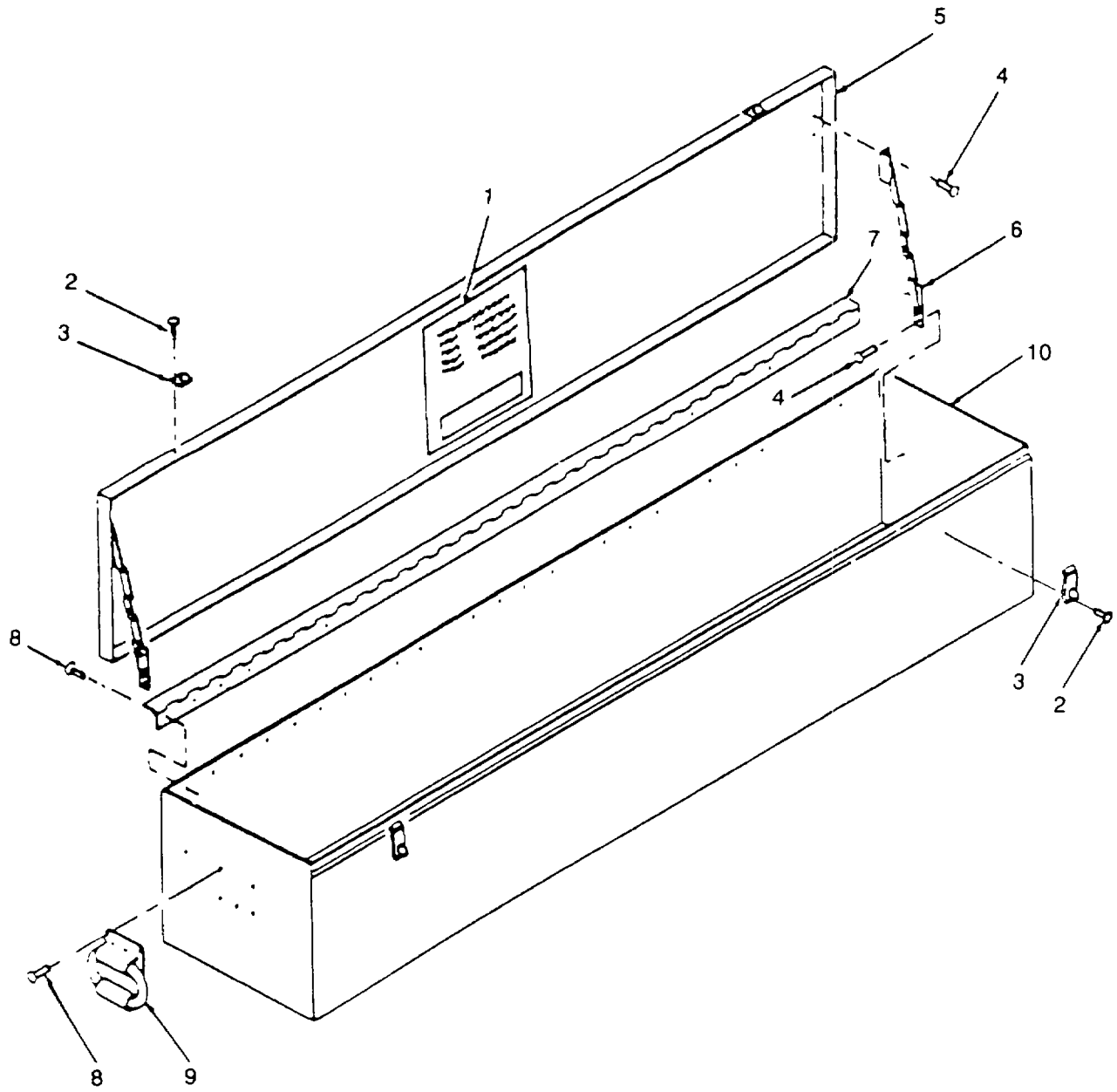


Figure 16. Packing Kit Chest Assembly (Model 1461).

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
				GROUP 06 CHEST ASSEMBLY, SUSPENSION AND PACKING KIT	
				FIG. 16 PACKING KIT CHEST ASSEMBLY (MODEL NO. 1461)	
	XDOZZ	62913	370-00133-02	CHEST,PACKING KIT	1
				UOC:EKM	
1	PDOZZ	62913	410-00107-01	•DIAGRAM,LOADING	1
				UOC: EKM	
2	PAOZZ	96906	M520427-6C6	•RIVET,SOLID	4
				UOC:EKM	
3	XDOZZ	39428	33-02	•CATCH,CLAMPING	2
4	XDOZZ	96906	MS20427-8C9	•RIVET,SOLID	18
5	XDOZZ	62913	410-00104-04	•COVER	1
				UOC: EKM	
6	XDOZZ	03007	7791	•LID SUPPORT	2
				UOC:EKM	
7	PBOZZ	62913	PS07070510	•HINGE	1
				UOC:EKM	
8	PBOZZ	96906	M520613-8P8	•RIVET,SOLID	20
				UOC: EKM	
9	PBOZZ	03007	410-00104-03	•HANDLE	2
				UOC:EKM	
10	XDOOO	62913	370-00132-021	•CHEST ASSY,WELDMENT	1
				UOC:EKMN	

END OF FIGURE

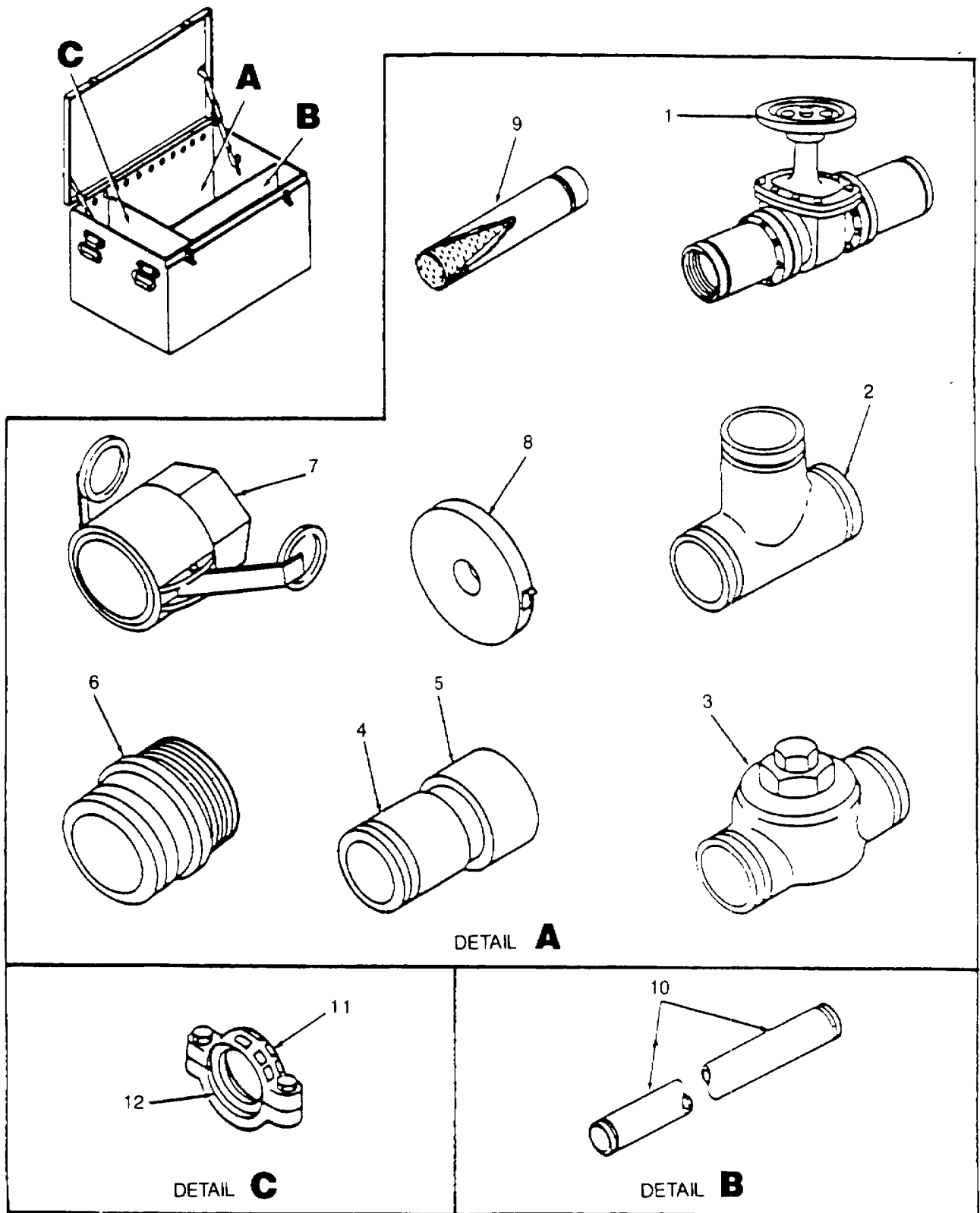


Figure 17. Hoseline Flow Control Kit.

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
NO	CODE	CAGEC	NUMBER		
GROUP 07 FLOW CONTROL KIT					
FIG. 17 HOSELINE FLOW CONTROL KIT					
	PDOZZ	81349	MIL-F-52345	FLOW CONTROL KIT	1
1	PAOFF	81349	MIL-V-58039E	•VALVE,GATE	2
2	PAOZZ	81349	MIL-P-10388-A-19	•TEE,PIPE	1
3	PAOZZ	11836	830-041030-001	•VALVE,CHECK	2
4	PAOZZ	81349	MIL-P-10388-A-07	•COUPLING,PIPE	6
5	PAOZZ	81349	MIL-P-10388-A-19	•COUPLING PIPE	2
6	PAOZZ	81349	MIL-C-27487 CL1	•COUPLING,HALF ML/IN	2
				UOC: DLK	
7	PAOZZ	96906	MS27022-17	•COUPLING HALF,QUICK	2
8	PAOZZ	81348	GGG-T-001310	•TAPE,FISH,STEEL	1
9	PAOZZ	97403	13204E9839	•STRAINER ASSEMBLY	1
10	PAOZZ	81349	MIL-H-52262	•HOSE ASSEMBLY	2
11	PAOZZ	81349	M10387-1-B-09	•COUPLING,CLAMP,PIPE	8
12	PAOZZ	81349	M10387-3-B-A	•GASKET	2

END OF FIGURE

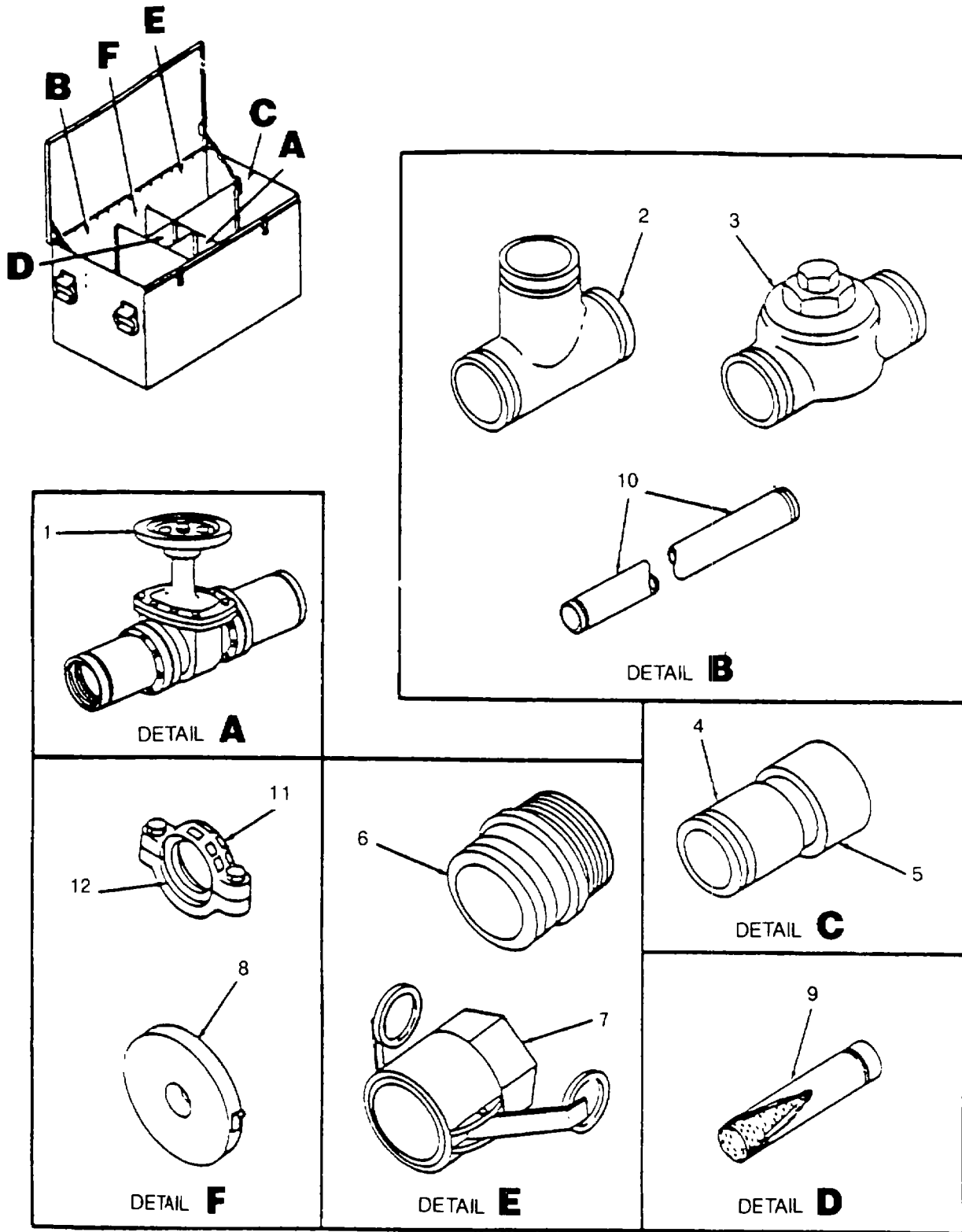


Figure 18. Flow Control Kit (Model 1461).

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
SECTION II					
GROUP 07 FLOW CONTROL KIT					
FIG. 18 FLOW CONTROL KIT (MODEL NO. 1461)					
	PDOOF	81349	MILF52345	FLOW CONTROL KIT,HO UOC: EKM	1
1	PAOZO	81349	MILV58039	•VALVE,GATE..... UOC:EKM	2
2	PAOZZ	81349	M10388-A29D T1B4A	•TEE,PIPE UOC:EKM	1
3	PAOZZ	11836	830-041030-001	•VALVE,CHECK..... UOC:EKM	2
4	PAOZZ	81349	M10388-A-07-AI-1 -C-6A	•COUPLING,PIPE UOC:EKM	2
5	PAOZZ	81349	M10388-A-19	•COUPLING CLAMP,PIPE..... UOC:EKM	2
6	PAOZZ	81349	MIL-C-27487 CL1	•CPLG HALF,MIL TOINT UOC:EKM	2
7	PAOZZ	96906	MS27022-17	•COUPLING HALF,QUICK..... UOC:EKM	2
8	PAOZZ	81348	GGG-T-001310	•TAPE,FISH STEEL UOC:EKM	1
9	PAOZZ	97403	13204E9839	•STRAINER ASSEMBLY..... UOC:EKM	1
10	PAOZZ	81349	MILH52262	•HOSE ASSEMBLY, 5 FT UOC:EKM	2
11	PAOZZ	81349	M10387-1-B-09	•COUPLING PIPE CLAMP..... UOC: EKM	8
12	PAOZZ	81349	M10387-3-B-A	•GASKET UOC: EKM	2

END OF FIGURE

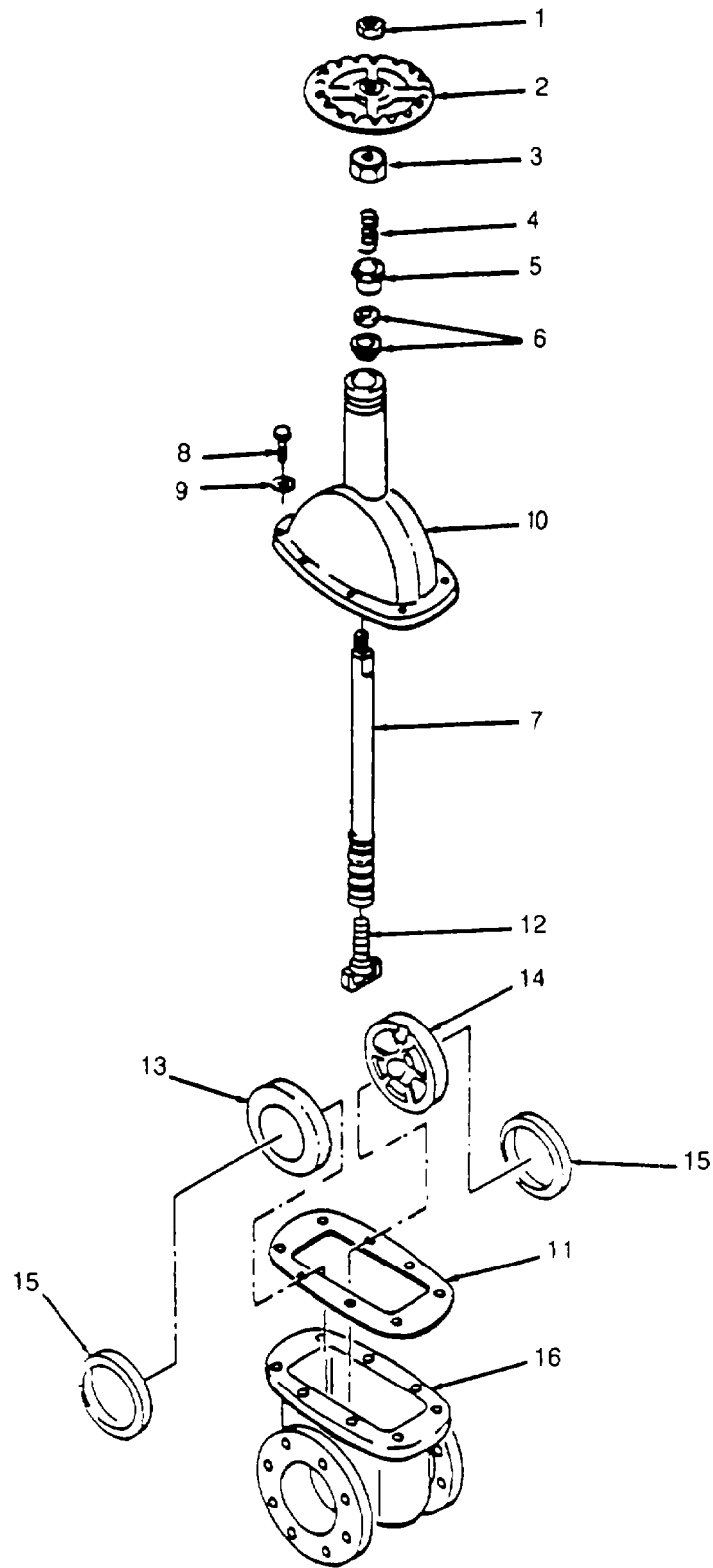


Figure 19. Gate Valve Assembly.

SECTION II

TM10-3835-219-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 07 FLOW CONTROL KIT	
				FIG. 19 GATE VALVE ASSEMBLY	
	PAOFF	81349	58039E	VALVE ASSEMBLY,GATE.....	1
1	XDOZZ	81718	H4213M	•NUT,PLAIN,HEXAGON	1
2	XDOZZ	81718	C-74-AG	•HANDWHEEL	1
3	PAOZZ	81718	H665B	•PACKING NUT	1
4	PAOZZ	81718	H669M	•SPRING,HELICAL,COMP	1
5	PAOZZ	81718	H-666-M	•GLAND,PACKING	1
6	PAOZZ	81718	H667M	•PACKING,PREFORMED	1
7	PAOZZ	81718	C72RB	•STEM,VALVE.....	1
8	XDOZZ	81718	H-633-M	•SCREW,CAP,HEXAGON	8
9	PAOZZ	81718	H2525M	•WASHER,LOCK	8
10	PBOZZ	81718	D-17-AG	•CAP,VALVE	1
11	PAOZZ	81718	C75M	•GASKET	1
12	PAOZZ	81718	C73B	•STEM,DISK.....	1
13	PAOZZ	81718	D18M AND D19M	•DISK,VALVE	1
14	PAOZZ	81718	D18M AND D19M	•DISK,VALVE	1
15	PBOZZ	81718	H664RB	•SEAT,VALVE	2
16	PBOZZ	81718	E2AG	•BODY,VALVE	1

END OF FIGURE

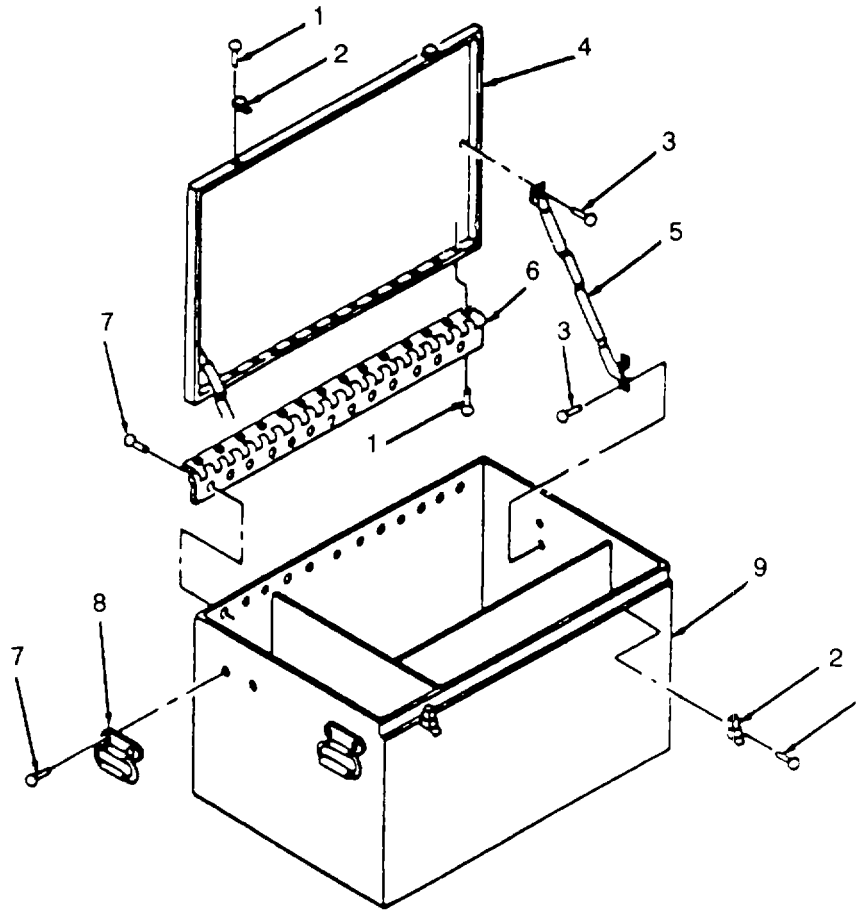


Figure 20. Hoseline Flow Control Kit, Chest Assembly.

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
				GROUP 08 CHEST ASSEMBLY FLOW CONTROL KIT	
				FIG. 20 HOSELINE CONTROL KIT, CHEST ASSEMBLY	
	XBOZZ	62913	200017	CHEST,STORAGE	1
1	PAOZZ	96906	MS20427-6C6	•RIVET,SOLID..... UOC:EKM	4
2	PAOZZ	39428	1767A11	•CATCH,CLAMPING	2
3	PAOZZ	96906	M520427-8C9	•RIVET,SOLID.....	8
4	XDOZZ	62913	200023	•COVER	1
5	PAOZZ	03007	7791-RH-02	•LID SUPPORT,HOSELIN	1
6	PAOZZ	62913	00021-3	•HINGE,BUTT,HOSELINE	1
7	PAOZZ	96906	MS20613-8P8	•RIVET,SOLID.....	20
8	PDOZZ	03007	94555-2-R6	•HANDLE..... UOC:EKM	4
9	XDOZZ	62913	200022	•CHEST WELDMENT	1
				UOC:EKM	

END OF FIGURE

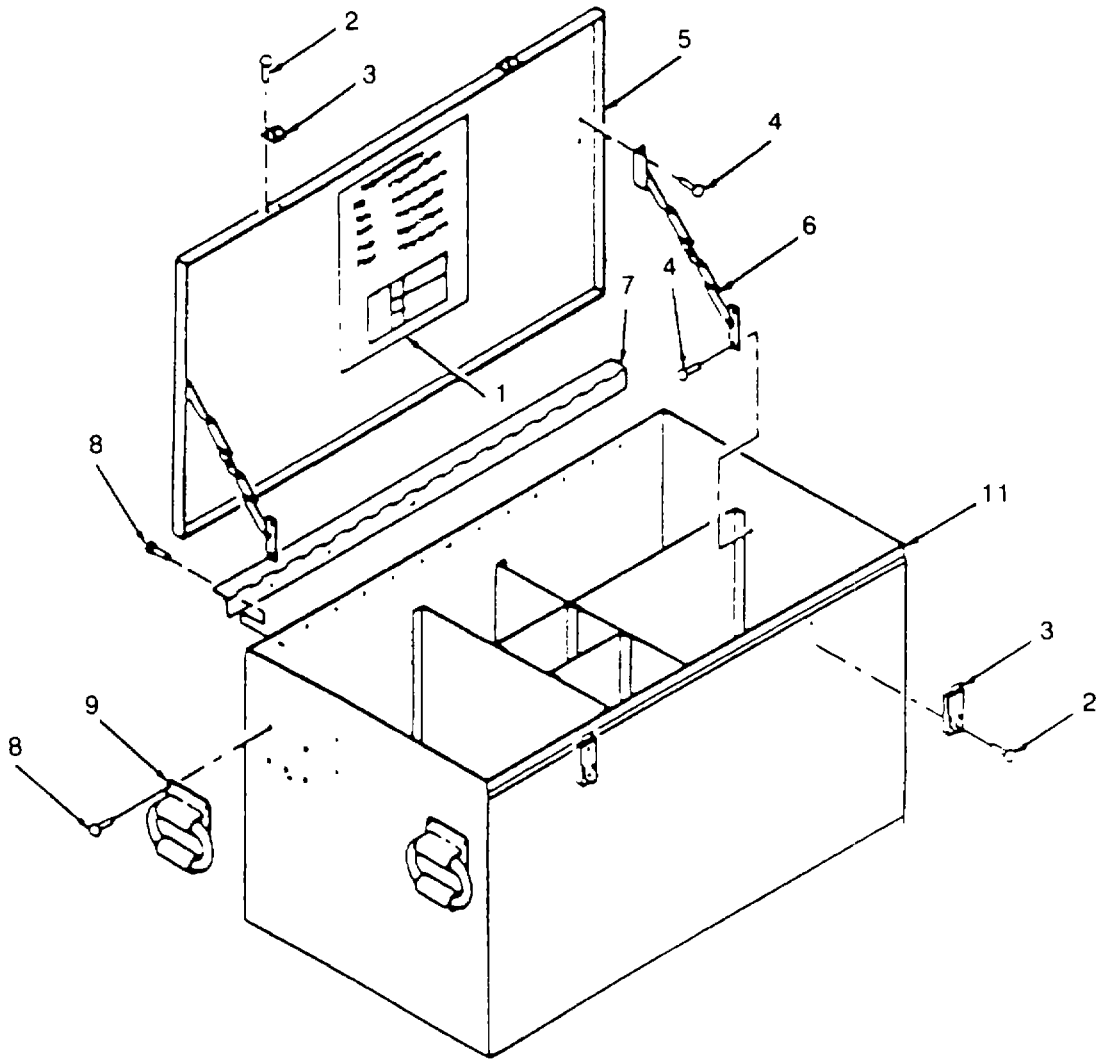


Figure 21. Flow Control Kit, Chest Assembly.(Model 1461.)

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
-------------------	--------------------	--------------	-----------------------	--	------------

GROUP 08 CHEST ASSEMBLY FLOW CONTROL
KIT

FIG. 21 FLOW CONTROL KIT, CHEST
ASSEMBLY (MODEL NO. 1461)

	XDOOO	62913	370-00130-01	CHEST,FLOW CONTROL	1
1	PDOZZ	62913	410-00105-01	LOADING DIAGRAM	1
				UOC: EKM	
2	PAOZZ	96906	MS20427-6C6	•RIVET,SOLID.....	11
3	PAOZZ	39428	8334-02	•CATCH,CLAMPING	10
				UOC:EKM	
4	PAOZZ	96906	MS20427-8C9	•RIVET,SOLID.....	10
				UOC:EKM	
5	XDOZZ	62913	410-00104-01	•COVER	1
				UOC:EKM	
6	XDOZZ	03007	7791	•LID,SUPPORT	2
7	PDOZZ	03007	PS07070510	•HINGE,ACCESS DOOR.....	1
				UOC:EKM	
8	PAOZZ	96906	MS20613-8P8	•RIVET,SOLID.....	2
				UOC:EKM	
9	PBOZZ	03007	4956-LS2RG	•HANDLE.....	2
				UOC:EKM	
10	XDOOO	62913	370-00131-01	•CHEST ASSY,WELDMENT.	1
				UOC :EKM	

END OF FIGURE

Section III. SPECIAL TOOLS LIST

(Not Applicable)

**CROSS- REFERENCE-INDEXES
NATIONAL STOCK NUMBER INDEX**

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5320-00-051-8609	5	4	5120-00-731-7439	7	7
5120-00-054-5354	6	6	5310-00-763-8921	1	2
	7	6	5330-00-779-2357	19	6
4730-00-056-4591	10	3	5330-00-785-0693	19	11
	11	3	5310-00-809-5998	13	7
5320-00-067-5839	5	8	5310-00-809-8533	1	3
	8	3	5310-00-838-1702	1	1
	8	8	5315-00-839-5822	2	14
	9	8	4730-00-840-0797	17	7
	12	8		18	7
	15	8	4820-00-896-7073	19	12
	16	8	3940-00-926-3728	10	4
	20	7	4820-00-950-7687	18	1
	21	8	3940-00-967-5976	1	5
5305-00-071-2079	13	4	5305-00-978-9395	6	9
	14	4		7	9
5310-00-088-1251	13	9	4730-00-986-1982	19	3
	14	9	5360-00-986-1987	19	4
4820-00-089-5424	17	3	4820-00-986-7761	19	16
	18	3	5320-00-988-1200	8	1
5306-00-141-7179	13	8		9	2
	14	8		12	2
5306-00-226-4831	2	9		15	1
4020-00-238-7732	10	2		16	2
5340-00-244-7327	6	5		20	1
	7	5		21	2
5340-00-245-9440	6	4	4010-00-997-8432	11	1
5320-00-264-3198	9	4	5340-01-003-6496	8	2
	12	4		15	2
	15	3		20	2
	20	3	5306-01-023-6245	13	10
	21	4		14	10
5120-00-287-4678	17	8	5340-01-112-2934	13	2
5340-00-290-4518	6	10		14	2
	7	10	5340-01-112-2935	13	5
4730-00-369-4593	4	8		14	5
4820-00-383-4240	19	15	3835-01-128-6346	13	6
4010-00-542-2287	10	1		14	6
5310-00-637-9541	19	9	4730-01-132-0801	6	8
4730-00-640-6512	3	4		7	8
	4	4	4730-01-149-5800	3	3
	6	2		4	3
	7	2	4730-01-149-5801	3	2
	17	11		4	2
	18	11	4730-01-149-5802	17	9
3835-00-686-1004	13			18	9
3835-00-686-1006	18		4730-01-149-5804	6	1
3835-00-686-1008	11			7	1
4820-00-718-9956	19	7	3950-01-152-7689	13	1
5120-00-731-7439	6	7	14	1	

**CROSS- REFERENCE-INDEXES
NATIONAL STOCK NUMBER INDEX**

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
4730-01-178-0296	18	4			
3940-01-211-9549	1	7			
3835-01-212-1217	2	17			
3835-01-212-1219	2	6			
3835-01-212-1221	20	5			
4320-01-212-1243	4	7			
4820-01-212-1244	19	10			
5306-01-212-1263	1	4			
3835-01-212-2706	2	10			
4720-01-212-5558	2	3			
	2	4			
	2	5			
5315-01-212-5559	2	15			
5340-01-212-5656	2	16			
5340-01-212-9512	8	7			
4320-01-212-9621	3	10			
	4	10			
5330-01-214-0131	19	5			
3835-01-216-4273	3	1			
5330-01-216-4470	3	5			
	4	5			
	6	11			
4730-01-222-0943	4	9			
5340-01-222-6148	12	6			
4730-01-226-0191	18	2			
4730-01-226-0215	3	6			
5310-01-270-1731	13	3			
4820-01-288-0882	19	13			
	19	14			
4030-01-333-4111	10	6			
	11	6			
5340-01-334-1440	21	7			
3940-01-334-5064	1	6			
4730-01-340-2282	4	8			

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
81346	ASTM-A366			13	11
81718	C-74-AG			19	2
70847	C206	5340-00-245-9440		6	4
				7	4
70847	C256	5340-00-244-7327		6	5
				7	5
81718	C72RB	4820-00-718-9956		19	7
81718	C73B	4820-00-896-7073		19	12
81718	C75M	5330-00-785-0693		19	11
81718	D-17-AG	4q20-01-212-1244		19	10
81718	D18M AND D19M	4820-01-288-0882		19	13
				19	14
81718	E2AG	4820-00-986-7761		19	16
81348	FF-C-450-TY1			11	8
81348	FF-C-450TYI			10	8
81348	FF-T-276			10	9
				11	9
81348	FFT791A TYPE1 FO RM1 CLASS 5			10	5
				11	5
81349	GGG-B-490	3940-00-926-3728		10	4
81348	GGG-T-001310	5120-00-287-4678		17	8
				18	8
81348	GGGB490			11	4
89117	GL-1	4320-01-212-9621		4	10
72661	GL-11			3	7
		4320-01-212-1243		4	7
81718	H-633-M			19	8
81718	H-666-M	5330-01-214-0131		19	5
81718	H2525M	5310-00-637-9541		19	9
31718	H4213M			19	1
81718	H664RB	4820-00-383-4240		19	15
81718	H665B	4730-00-986-1982		19	3
81718	H667M	5330-00-779-2357		19	6
81718	H669M	5360-00-986-1987		19	4
62913	H956-LS2RG			5	5
				9	9
				15	9
81349	MIL-C-10387 3BA			7	11
81349	MIL-C-27487 CL1			17	6
				17	6
				18	6
81349	MIL-D-52349			3	
				4	
81349	MIL-F-52345			17	
81349	MIL-H-52262			17	10
81349	MIL-H-52262D			2	1
81349	MIL-H-904H	3950-01-152-7689		13	1
				14	1
81348	MIL-H52262			2	
81349	MIL-P-10388-A-07			17	4

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
81349	MIL-P-10388-A-19			17	2
				17	5
81349	MIL-P-52348			14	
81349	MIL-P11719			3	11
81349	MIL-R-52343		5120-00-054-5354	6	6
				7	6
81349	MIL-S-52341			10	
81349	MIL-S-52347		3835-00-686-1008	11	
81349	MIL-V-58039E			17	1
89117	MIL-11719			4	11
81349	MILF52345		3835-00-686-1006	18	
81349	MILH52262			18	10
81349	MILP52348		3835-00-686-1004	13	
81349	MILV58039		4820-00-950-7687	18	1
81348	MM-L-736			13	12
				14	12
96906	MS122123		5340-00-290-451E	6	10
				7	10
96906	M516997-100		5305-00-978-9395	6	9
				7	9
96906	MS20427-6C6		5320-00-988-1200	8	1
				9	2
				12	2
				15	1
				16	2
				20	1
				21	2
96906	M520427-8C9		5320-00-264-3198	9	4
				12	4
				15	3
				16	4
				20	3
				21	4
96906	M520613-6P5			5	2
			5320-00-051-8609	5	4
96906	M520613-8P8		5320-00-067-5839	5	8
				8	3
				8	8
				9	8
				12	8
				15	8
				16	8
				20	7
				21	8
96906	M524665-353		5315-00-839-5822	2	14
96906	MS27022-17		4730-00-840-0797	17	7
				18	7
96906	M527183			14	7
96906	MS27183-18		5310-00-809-5998	13	7
96906	M527183-23		5310-00-809-8533	1	3
96906	MS27950-8		5306-00-141-7179	13	8

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
96906	MS27950-8		5306-00-141-7179	14	8
96906	M535691-57		5310-00-838-1702	1	1
96906	MS35751-22		5306-01-023-6245	13	10
				14	10
96906	M551922-1		5310-00-088-1251	13	9
				14	9
96906	M551967-14		5310-01-270-1731	13	3
				14	3
96906	MS51967-23		5310-00-763-8921	1	2
96906	M590728-123		5305-00-071-2079	13	4
				14	4
96906	MS90728-38		5306-00-226-4831	2	9
81349	M10387-1-B-09		4730-00-640-6512	3	4
				4	4
				6	2
				7	2
				17	11
				18	11
81349	M10387-3-B-A			17	12
				18	12
81349	M10387-3A09		5330-01-216-4470	3	5
				4	5
				6	11
81349	M10388			6	6
81349	M10388 A05AI1C4A		4730-01-226-0215	3	6
81349	M10388-A-07-AI-1 -C-6A		4730-01-178-0296	18	4
81349	M10388-A-19			18	5
81349	M10388-A29DTIB4A		4730-01-226-0191	18	2
62913	PS0700510			9	7
62913	PS07070510			5	7
				12	7
				16	7
			5340-01-334-1440	21	7
8138Q	Q-W-461CL2FIN5			2	13
81348	R-R-605			11	2
81348	RR-C-271			10	7
				11	7
81348	RR-W-410		4010-00-997-8432	11	1
81348	RRW410		4010-00-542-2287	10	1
07707	SD 64 89			8	6
				15	6
81348	TR605		4020-00-238-7732	10	2
81348	WWC633-14-B			4	9
81348	WWC633-14-M		4730-00-369-4593	4	8
81348	WWC633-15-B		4730-01-340-2282	4	8
81348	WWC633-15-M		4730-01-222-0943	4	9
62913	00021-3			20	6
7Y367	04-PL-CYL-2			4	1
63853	04-SBFS-K		3835-01-216-4273	3	1
97403	13200E4792		4730-00-056-4591	10	3

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
97403	13200E4792		4730-00-056-4591	11	3
97403	13200E5940			2	2
97403	13200E5940-15		4720-01-212-5558	2	3
97403	13200E5940-4		3835-01-212-1219	2	6
97403	13200E5940-5		4720-01-212-5558	2	5
97403	13200E5940-6		4720-01-212-5558	2	4
97403	13200E5941		3835-01-212-1217	2	17
97403	13200E5952		3835-01-212-2706	2	10
97403	13200E5957-1			2	7
97403	13200E5957-2			2	8
97403	13200E5958		5340-01-212-5656	2	16
97403	13200E5959		5315-01-212-5559	2	15
97403	13200E5960			2	11
97403	13200E6226		4730-01-149-5800	3	3
				4	3
97403	13200E6229		4730-01-149-5801	3	2
				4	2
97403	13200E9063			2	12
97403	13204E9839		4730-01-149-5802	17	9
				18	9
94403	13212E7102			1	
			3940-00-967-5976	1	5
97403	13212E7103		5306-01-212-1263	1	4
97403	13212E7104		3940-01-211-9549	1	7
97403	13222E7751		4730-01-149-5804	6	1
				7	1
97403	13222E9737		4730-01-132-0801	6	8
				7	8
97403	13222E9737-1			6	12
				7	12
97403	13222E9738		3835-01-128-6346	13	6
				14	6
97403	13222E9739		5340-01-112-2934	13	2
				14	2
97403	13222E9740		5340-01-112-2935	13	5
				14	5
97403	13229E8592		3940-01-334-5064	1	6
08754	1446-US2C			15	5
10001	1549785		5120-00-731-7439	6	7
				7	7
39428	1767A11		5340-01-003-6496	8	2
				15	2
				20	2
62913	200016			15	
62913	200017			20	
62913	200018			8	
62913	200019			15	10
62913	200020			15	4
62913	200021-2			15	7
62913	200021-4		5340-01-212-9512	8	7
62913	200022			20	9

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
62913	200023			20	4
62913	200024			8	10
62913	200025			8	4
89117	29434		4320-01-212-9621	3	10
39428	33-02			16	3
62913	370-000130-03			9	
				12	
62913	370-00130-01			21	
62913	370-00131-01			21	10
62913	370-00131-02			9	10
				12	10
62913	370-00131-03			5	10
62913	370-00132-02			16	10
62913	370-00133-01			5	
			4030-01-333-4111	10	6
				11	6
62913	370-00133-02			16	
62913	410-00102-01			13	13
				14	13
62913	410-00102-02			14	11
62913	410-00104-01			21	5
62913	410-00104-02			9	5
				12	5
03007	410-00104-03			5	9
				16	9
62913	410-00104-04			16	5
62913	410-00105-01			21	1
96906	410-00106-01			12	1
62913	410-00107-01			5	1
				16	1
62913	410-00108-01			9	1
03007	4956-LS2RG			21	9
92786	52343			6	
				7	
81349	58039E			19	
03007	7791			5	6
				9	6
				16	6
				21	6
03007	7791-LH-02		5340-01-222-6148	12	6
03007	7791-RH-02		3835-01-212-1221	20	5
03007	7791-02			8	5
11836	830-041030-001		4820-00-089-5424	17	3
				18	3
30659	832-40			7	3
				7	3
39428	8334-02			5	3
				9	3
				12	3
				21	3
03007	945SS-2-R6			12	9

CAGEC	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
03007	94555-2-R6		8 20	9 8

CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
1			94403	13212E7102
1	1	5310-00-838-1702	96906	MS35691-57
1	2	5310-00-763-8921	96906	MS51967-23
1	3	5310-00-809-8533	96906	MS27183-23
1	4	5306-01-212-1263	97403	13212E7103
1	5	3940-00-967-5976	97403	13212E7102
1	6	3940-01-334-5064	97403	13229E8592
1	7	3940-01-211-9549	97403	13212E7104
2			81348	MIL-H52262
2	1		81349	MIL-H-52262D
2	2		97403	13200E5940
2	3	4720-01-212-5558	97403	13200E5940-15
2	4	4720-01-212-5558	97403	13200E5940-6
2	5	4720-01-212-5558	97403	13200E5940-5
2	6	3835-01-212-1219	97403	13200E5940-4
2	7		97403	13200E5957-1
2	8		97403	13200E5957-2
2	9	5306-00-226-4831	96906	MS90728-38
2	10	3835-01-212-2706	97403	13200E5952
2	11		97403	13200E5960
2	12		97403	13200E9063
2	13		8138Q	Q-W-461CL2FIN5
2	14	5315-00-839-5822	96906	MS24665-353
2	15	5315-01-212-5559	97403	13200E5959
2	16	5340-01-212-5656	97403	13200E5958
2	17	3835-01-212-1217	97403	13200E5941
3			81349	MIL-D-52349
3	1	3835-01-216-4273	63853	04-SBFS-K
3	2	4730-01-149-5801	97403	13200E6229
3	3	4730-01-149-5800	97403	13200E6226
3	4	4730-00-640-6512	81349	M10387-1-B-09
3	5	5330-01-216-4470	81349	M10387-3A09
3	6	4730-01-226-0215	81349	M10388 AOS5A1IC4A
3	7		72661	GL-11
3	10	4320-01-212-9621	89117	29434
3	11		81349	MIL-P11719
4			81349	MIL-D-52349
4	1		7Y367	04-PL-CYL-2
4	2	4730-01-149-5801	97403	13200E6229
4	3	4730-01-149-5800	97403	13200E6226
4	4	4730-00-640-6512	81349	M10387-1-B-09
4	5	5330-01-216-4470	81349	M10387-3A09
4	7	4320-01-212-1243	89117	GL-11
4	8	4730-00-369-4593	81348	WWC633-14-M
4	8	4730-01-340-2282	81348	WWC633-15-B
4	9		81348	WWC633-14-B
4	9	4730-01-222-0943	81348	WWC633-15-M
4	10	4320-01-212-9621	89117	GL-1
4	11		89117	MIL-11719
5			62913	370-00133-01
5	1		62913	410-00107-01

CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
5	2		96906	MS20613-6P5
5	3		39428	8334-02
5	4	5320-00-051-8609	96906	MS20613-6P5
5	5		62913	H956-LS2RG
5	6		03007	7791
5	7		62913	PS07070510
5	8	5320-00-067-5839	96906	MS20613-8P8
5	9		03007	410-00104-03
5	10		62913	370-00131-03
6			92786	52343
6	1	4730-01-149-5804	97403	13222E7751
6	2	4730-00-640-6512	81349	M10387-1-B-09
6	4	5340-00-245-9440	70847	C206
6	5	5340-00-244-7327	70847	C256
6	6		81349	M10388
6	6	5120-00-054-5354	81349	MIL-R-52343
6	7	5120-00-731-7439	10001	1549785
6	8	4730-01-132-0801	97403	13222E9737
6	9	5305-00-978-9395	96906	MS16997-100
6	10	5340-00-290-4518	96906	MS122123
6	11	5330-01-216-4470	81349	M10387-3A09
6	12		97403	13222E9737-1
7			92786	52343
7	1	4730-01-149-5804	97403	13222E7751
7	2	4730-00-640-6512	81349	M10387-1-B-09
7	3		30659	832-40
7	3		30659	832-40
7	4		78047	C206
7	5	5340-00-244-7327	70847	C256
7	6	5120-00-054-5354	81349	MIL-R-52343
7	7	5120-00-731-7439	10001	1549785
7	8	4730-01-132-0801	97403	13222E9737
7	9	5305-00-978-9395	96906	MS16997-100
7	10	5340-00-290-4518	96906	MS122123
7	11		81349	MIL-C-10387 3BA
7	12		97403	13222E9737-1
8			62913	200018
8	1	5320-00-988-1200	96906	MS20427-6C6
8	2	5340-01-003-6496	39428	1767All
8	3	5320-00-067-5839	96906	MS20613-8P8
8	4		62913	200025
8	5		03007	7791-02
8	6		07707	SD 64 B9
8	7	5340-01-212-9512	62913	200021-4
8	8	5320-00-067-5839	96906	MS20613-8P8
8	9		03007	94555-2-R6
8	10		62913	200024
9			62913	370-000130-03
9	1		62913	410-00108-01
9	2	5320-00-988-1200	96906	MS20427-6C6
9	3		39428	8334-02

CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
9	4	5320-00-264-3198	96906	MS20427-8C9
9	5		62913	410-00104-02
9	6		03007	7791
9	7		62913	PS0700510
9	8	5320-00-067-5839	96906	MS20613-8P8
9	9		62913	H956-LS2RG
9	10		62913	370-00131-02
10			81349	MIL-S-52341
10	1	4010-00-542-2287	81348	RRW410
10	2	4020-00-238-7732	31348	TR605
10	3	4730-00-056-4591	97403	13200E4792
10	4	3940-00-926-3728	81349	GGG-B-490
10	5		81348	FFT791A TYPE1 FO RM1 CLASS 5
10	6	4030-01-333-4111	63913	370-00133-01
10	7		81348	RR-C-271
10	8		81348	FF-C-450TYI
10	9		81348	FF-T-276
11		3835-00-686-1008	81349	MIL-S-52347
11	1	4010-00-997-8432	81348	RR-W-410
11	2		81348	R-R-605
11	3	4730-00-056-4591	97403	13200E4792
11	4		81348	GGGB490
11	5		81348	FFT791A TYPE1 FO RM1 CLASS 5
11	6	4030-01-333-4111	63913	370-00133-01
11	7		81348	RR-C-271
11	8		81348	FF-C-450-TY1
11	9		81348	FF-T-276
12			62913	370-000130-03
12	1		96906	410-00106-01
12	2	5320-00-988-1200	96906	MS20427-6C6
12	3		39428	8334-02
12	4	5320-00-264-3198	96906	M520427-8C9
12	5		62913	410-00104-02
12	6	5340-01-222-6148	03007	7791-LH-02
12	7		62913	PS07070510
12	8	5320-00-067-5839	96906	M5S20613-8P8
12	9		03007	945SS-2-R6
12	10		62913	370-00131-02
13		3835-00-686-1004	81349	MILP52348
13	1	3950-01-152-7689	81349	MIL-H-904H
13	2	5340-01-112-2934	97403	13222E9739
13	3	5310-01-270-1731	96906	MS51967-14
13	4	5305-00-071-2079	96906	MS90728-123
13	5	5340-01-112-2935	97403	13222E9740
13	6	3835-01-128-6346	97403	13222E9738
13	7	5310-00-809-5998	96906	MS27183-18
13	8	5306-00-141-7179	96906	MS27950-8
13	9	5310-00-088-1251	96906	MS51922-1
13	10	5306-01-023-6245	96906	MS35751-22

CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
13	11		81346	ASTM-A366
13	12		81348	MM-L-736
13	13		62913	410-00102-01
14			81349	MIL-P-52348
14	1	3950-01-152-7689	81349	MIL-H-904H
14	2	5340-01-112-2934	97403	13222E9739
14	3		96906	MS51967-14
14	4	5305-00-071-2079	96906	MS90728-123
14	5	5340-01-112-2935	97403	13222E9740
14	6	3835-01-128-6346	97403	13222E9738
14	7		96906	MS27183
14	8	5306-00-141-7179	96906	MS27950-8
14	9	5310-00-088-1251	96906	MS51922-1
14	10	5306-01-023-6245	96906	MS35751-22
14	11		62913	410-00102-02
14	12		62913	MM-L-736
14	13		62913	410-00102-01
15			62913	200016
15	1	5320-00-988-1200	96906	M520427-6C6
15	2	5340-01-003-6496	39428	1767All
15	3	5320-00-264-3198	96906	MS20427-8C9
15	4		62913	200020
15	5		08754	1446-US2C
15	6		07707	SD 64 B9
15	7		62913	200021-2
15	8	5320-00-067-5839	96906	MS20613-8P8
15	9		03007	H956-LS2RG
15	10		62913	200019
16			62913	370-00133-02
16	1		62913	410-00107-01
16	2	5320-00-988-1200	96906	M520427-6C6
16	3		39428	33-02
16	4		96906	M520427-8C9
16	5		62913	410-00104-04
16	6		03007	7791
16	7		62913	PS07070510
16	8	5320-00-067-5839	96906	MS20613-8P8
16	9		03007	410-00104-03
16	10		62913	370-00132-02
17			81349	MIL-F-52345
17	1		81349	MIL-V-58039E
17	2		81349	MIL-P-10388-A-19
17	3	4820-00-089-5424	11836	830-041030-001
17	4		81349	MIL-P-10388-A-07
17	5		81349	MIL-P-10388-A-19
17	6		81349	MIL-C-27487 CL1
17	6		81349	MIL-C-27487 CLI
17	7	4730-00-840-0797	96906	MS27022-17
17	8	5120-00-287-4678	81348	GGG-T-001310
17	9	4730-01-149-5802	97403	13204E9839
17	10		81349	MIL-H-52262

CROSS REFERENCE INDEXES

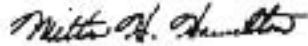
FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
17	11	4730-00-640-6512	81349	M10387-1-B-09
17	12		81349	M10387-3-B-A
18		3835-00-686-1006	81349	MILF52345
18	1	4820-00-950-7687	81349	MILV58039
18	2	4730-01-226-0191	81349	M10388-A29DT1B4A
18	3	4820-00-089-5424	11836	830-041030-001
18	4	4730-01-178-0296	81349	M10388-A-07-AI-1 -C-6A
18	5		81349	M10388-A-19
18	6		81349	MIL-C-27487 CL1
18	7	4730-00-840-0797	96906	MS27022-17
18	8		81348	GGG-T-001310
18	9	4730-01-149-5802	97403	13204E9839
18	10		81349	MILH52262
18	11	4730-00-640-6512	81349	M10387-1-B-09
18	12		81349	M10387-3-B-A
19			81349	58039E
19	1		81718	H4213M
19	2		81718	C-74-AG
19	3	4730-00-986-1982	81718	H665B
19	4	5360-00-986-1987	81718	H669M
19	5	5330-01-214-0131	81718	H-666-M
19	6	5330-00-779-2357	81718	H667M
19	7	4820-00-718-9956	81718	C72RB
19	8		81718	H-633-M
19	9	5310-00-637-9541	81718	H2525M
19	10	4820-01-212-1244	81718	D-17-AG
19	11	5330-00-785-0693	81718	C75M
19	12	4820-00-896-7073	81718	C73B
19	13	4820-01-288-0882	81718	D18M AND D19M
19	14	4820-01-288-0882	81718	D18M AND D19M
19	15	4820-00-383-4240	81718	H664RB
19	16	4820-00-986-7761	81718	E2AG
20			62913	200017
20	1	5320-00-988-1200	96906	MS20427-6C6
20	2	5340-01-003-6496	39428	1767All
20	3	5320-00-264-3198	96906	MS20427-8C9
20	4		62913	200023
20	5	3835-01-212-1221	03007	7791-RH-02
20	6		62913	00021-3
20	7	5320-00-067-5839	96906	MS20613-8P8
20	8		03007	94555-2-R6
20	9		62913	200022
21			62913	370-00130-01
21	1		62913	410-00105-01
21	2	5320-00-988-1200	96906	MS20427-6C6
21	3		39428	8334-02
21	4	5320-00-264-3198	96906	MS20427-8C9
21	5		62913	410-00104-01
21	6		03007	7791
21	7	5340-01-334-1440	03007	PS07070510

CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
21	8	5320-00-067-5839	96906	MS20613-8P8
21	9		03007	4956-LS2RG
21	10		62913	370-00131-01

By Order of the Secretary of the Army:

Official



MILTON H HAMILTON

Administrative Assistant to the
Secretary of the Army

01112

GORDON R SULLIVAN
General, United States Army
Chief of Staff

DISTRIBUTION:

To be distributed in accordance with DA Form 12-25E, (qty rqr block no 2527)

* U.S. GOVERNMENT PRINTING OFFICE: 1992-654-028/60102

THE METRIC SYSTEM AND EQUIVALENTS

LINEAR 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	

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

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

CUBIC MEASURE

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

LIQUID MEASURE

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

TEMPERATURE

5/9 (F - 32)	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 C + 32	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
Pints	Liters	0.473
Quarts	Liters	0.946
Gallons	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
Liters	Gallons	0.264
Grams	Ounces	0.035
Kilograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pound-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
Kilometers per Liter	Miles per Gallon	2.354
Kilometers per Hour	Miles per Hour	0.621

This fine document...

Was brought to you by me:



[Liberated Manuals -- free army and government manuals](#)

Why do I do it? I am tired of sleazy CD-ROM sellers, who take publicly available information, slap “watermarks” and other junk on it, and sell it. Those masters of search engine manipulation make sure that their sites that sell free information, come up first in search engines. They did not create it... They did not even scan it... Why should they get your money? Why are not letting you give those free manuals to your friends?

I am setting this document FREE. This document was made by the US Government and is NOT protected by Copyright. Feel free to share, republish, sell and so on.

I am not asking you for donations, fees or handouts. If you can, please provide a link to liberatedmanuals.com, so that free manuals come up first in search engines:

<A HREF=<http://www.liberatedmanuals.com/>>Free Military and Government Manuals

- Sincerely
Igor Chudov
<http://igor.chudov.com/>
- [Chicago Machinery Movers](#)