

TECHNICAL MANUAL

**UNIT, DIRECT SUPPORT, AND
GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LISTS**

**TAMPER, BACKFILL: GASOLINE ENGINE
DRIVEN, HAND-OPERATED, RAM-TYPE**

**MODEL VR11C (NSN 3895-01-151-2749)
MODEL VR11 (NSN 3895-01-013-4328)**

This manual supersedes TM 5-3895-360-24P, dated 14 June 1985; and,
this manual and TM 5-3895-360-14 supersede TM 5-3895-345-14&P,
dated 30 January 1981, and all changes.

Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY

20 APRIL 1993

TECHNICAL MANUAL
TM 5-3895-360-24P*

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington D.C., 20 April 1993

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Current as of 22 January 1993

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 Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI 48397-5000. A reply will be furnished to you.

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**UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT
MAINTENANCE REPAIR PARTS AND
SPECIAL TOOLS LISTS**

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 Back fill Tamper. 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 kits are listed separately in their own functional group within Section II. Repair parts for reparable special tools are also listed in the 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.

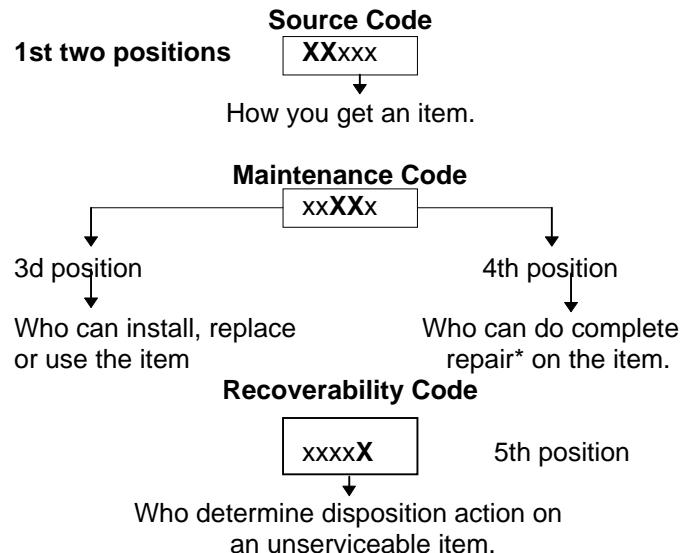
c. *Section IV Cross-reference Indexes.* A list, in National Item Identification Number (NIIN) sequence, of all National stock numbered items appearing in the listing, followed by a list in alphanumeric sequence of all part numbers appearing in the listings. National stock numbers and part numbers are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

figure and item number index lists figure and item numbers in alphanumeric sequence and cross-references NSN, CAGE, 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 category authorization criteria, and disposition instructions, 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:

<u>Code</u>	<u>Application/Explanation</u>	
PA	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 3d position of the SMR code.	XC - Installation drawing, diagram, instruction sheet, field service drawing, that is identified by the manufacturer's part number.
PC**	** Items coded PC are subject to deterioration.	XD - Item is not stocked. Order an "XD"-coded item through normal supply channels using the CAGE and part number given, if no NSN is available.
KD	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 3d position of the SMR code. The complete kit must be requisitioned and applied.	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 700-42.
KF		(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:
KB		(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.
MO-(<i>Made at UMI/ AVUM Level</i>)	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 3d 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 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 3d position code of the SMR code authorizes you to replace the item, but the source code indicates the item is assembled at a higher level, order the item from the higher level of maintenance.	Code <u>Application/Explanation</u>
MF-(<i>Made at DS/ AVUM Level</i>)		C - Crew or operator maintenance done within unit maintenance or aviation unit maintenance.
MH-(<i>Made at GS Level</i>)		O - Unit maintenance or aviation unit category can remove, replace, and use the item.
ML-(<i>Made at Specialized Repair Activity (SRA)</i>)		F - Direct support or aviation intermediate level can remove, replace, and use the item.
MD-(<i>Made at Depot</i>)		H - General support level can remove, replace, and use the item.
AO-(<i>Assembled by UM/ AVUM Level</i>)		L - Specialized repair activity can remove, replace, and use the item.
AF-(<i>Assembled by DS/AVIM Level</i>)		D - Depot level can remove, replace, and use the item.
AH-(<i>Assembled by GS Category</i>)		(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:
AL-(<i>Assembled by SRA</i>)		Code <u>Application/Explanation</u>
AD-(<i>Assembled by Depot</i>)		O - Unit maintenance or aviation unit is the lowest level that can do complete repair of the item
XA -	Do not requisition an "XA"-coded item. Order its next higher assembly. (Also refer to the NOTE following.)	F - Direct support or aviation intermediate is the lowest level than can do complete repair of the item.
XB -	If an "XB" item is not available from salvage, order it using the CAGE and part number given.	

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 -	Non repairable. 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:
<u>Code</u>	<u>Application/Explanation</u>
Z-	Non repairable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in the 3d position of the SMR code.
O-	Reparable item. When uneconomically repairable, condemn and dispose of the item at unit maintenance or aviation unit level.
F-	Reparable item. When uneconomically repairable, condemn and dispose of the item at the direct support or aviation intermediate level.
H-	Reparable item. When uneconomically repairable, condemn and dispose of the item at the general support level.
D-	Reparable 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 of item 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 (CAGE) Code (C) is a 5-digit alphanumeric 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) Physical security classification. Not Applicable.

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

(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, sub functional 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
 NSN
 digits of the NSN (i.e., 5305-01-674-1467). When
 NIIN

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 (CAGE) Code (C) is a 5-digit alphanumeric 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 CAGE 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 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 Commercial and Government Entity (CAGE) Code (C) is a 5-digit alphanumeric 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 left corner of the Description column heading. Usable on codes are shown as "UOC: in the Description column (justified left) on the first line following applicable item description/nomenclature. Uncoded items are applicable to all models. Identification of the usable on codes used in the RPSTL are:

<u>Code</u>	<u>Used On</u>
T77	VR11
VRC	VR11C

b. *FABRICATION INSTRUCTIONS.* Bulk materials required to manufacture items are listed in the Bulk Material Functional 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 5-3895-360-14.

c. *ASSEMBLY INSTRUCTIONS.* Detailed assembly instructions for items source coded to be assembled from component spare/repair parts are found in TM 5-3895-360-14. Items that make up the assembly are listed immediately following the assembly item entry or reference is made to an applicable figure.

d. *KITS.* Line item entries for repair parts kits appear in group 9401 in Section II.

e. *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.

f. *ASSOCIATED PUBLICATIONS.* The publications listed below pertain to the Back fill Tamper and its components:

<u>Publication</u>	<u>Short Title</u>
TM 5-3895-360-14	Backfill Tamper, VR11 and VR11C

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 Part Number Index, find the pertinent National Stock Number or Part Number. The NSN index is in National

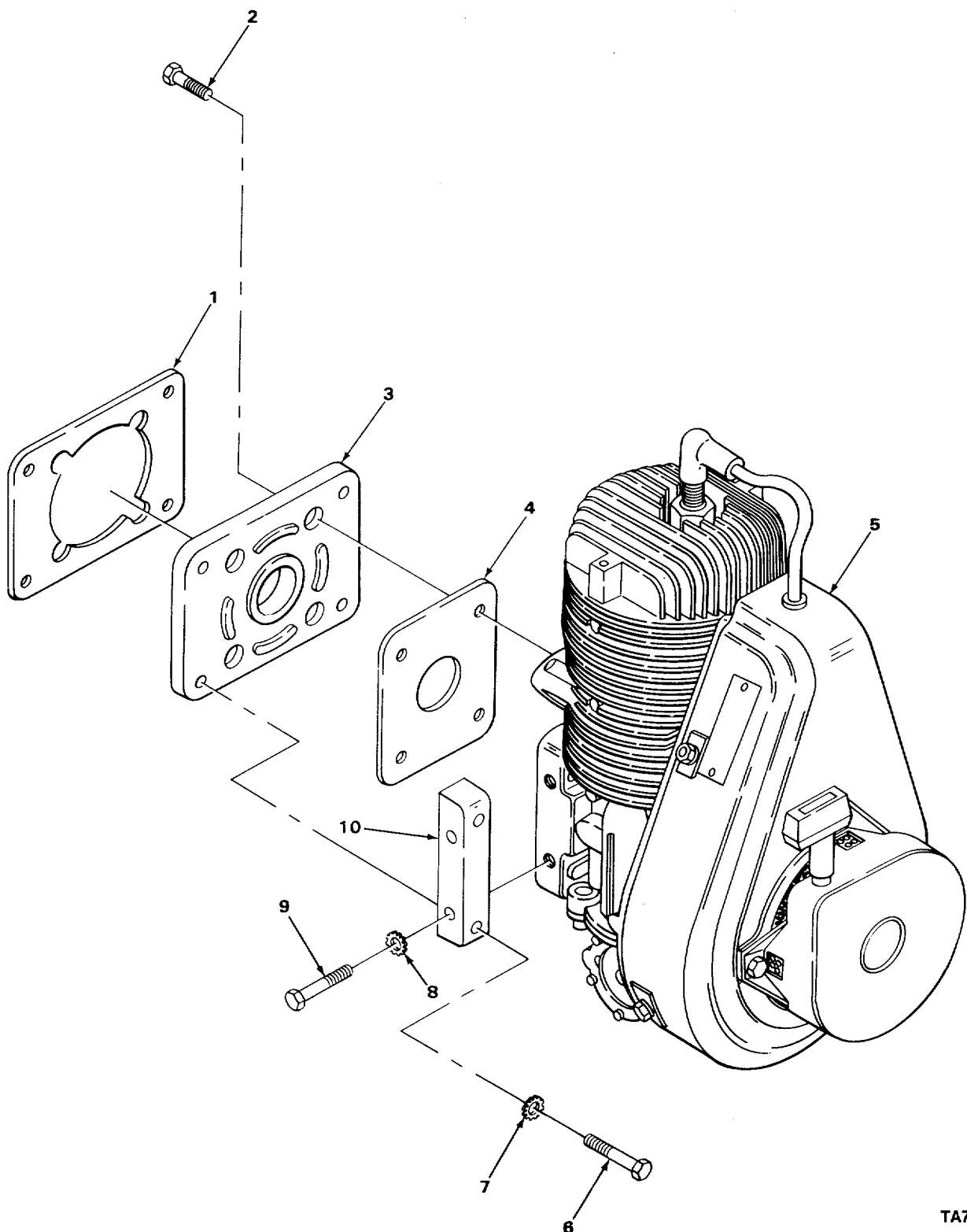
Item Identification Number (NIIN) sequence (see paragraph 4.a.(1)). The part numbers in the Part Number index are listed in ascending alphanumeric sequence (see paragraph 4.b). Both indexes cross-reference you to the illustration/figure and item number of the item you are looking for.

(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.

For standard abbreviations see MIL-STD-12D, Military Standard Abbreviations for Use on Drawings, Specifications, Standards, and in Technical Documents.

<u>Abbreviations</u>	<u>Explanation</u>
NIIN	National Item Identification Number (consist of the last 9 digits of the NSN)
RPSTL	Repair Parts and Special Tools List

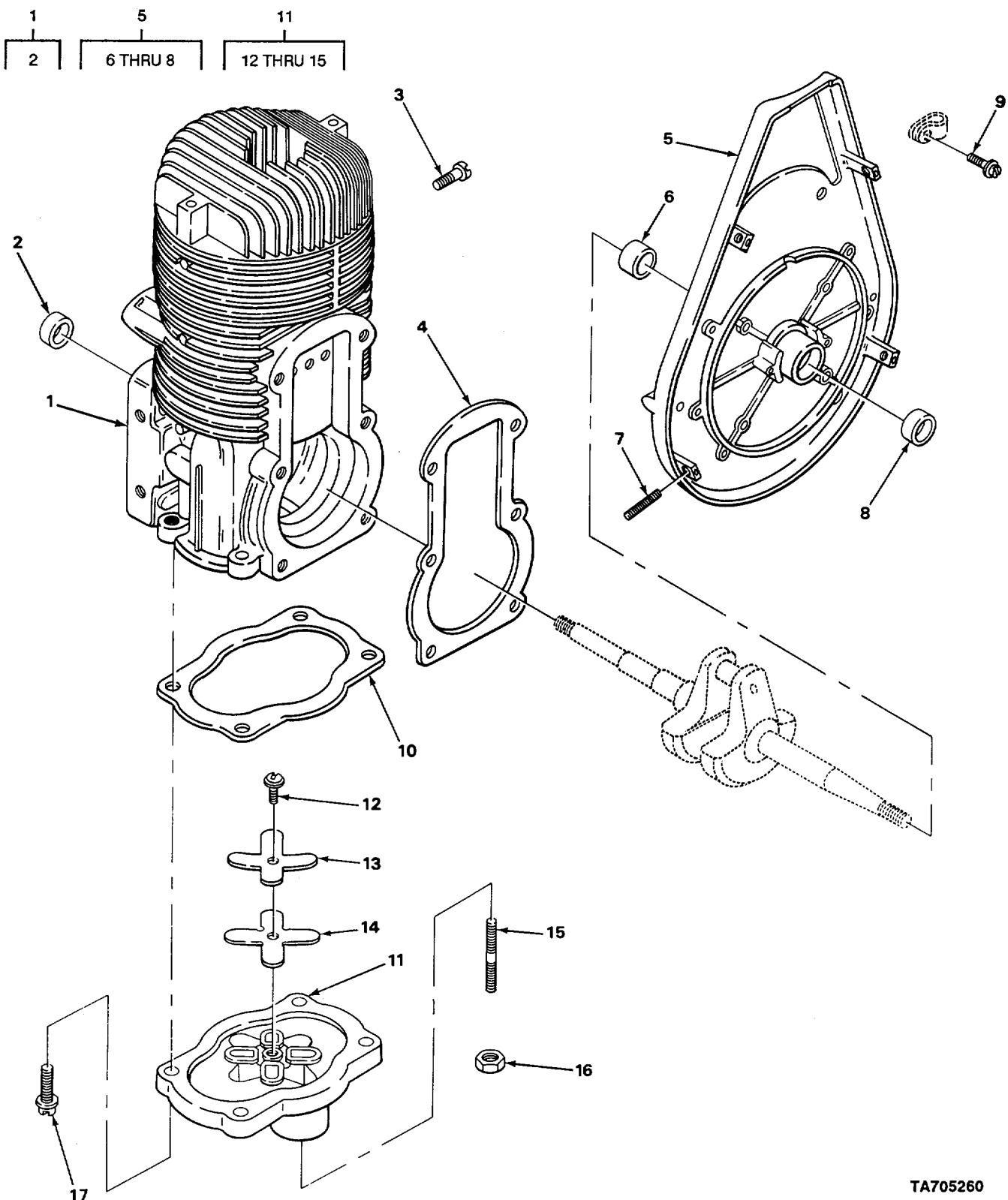


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FIGURE 1. ENGINE ASSEMBLY.

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
				GROUP 01 ENGINE	
				GROUP 0100 ENGINE ASSEMBLY	
				FIG. 1 ENGINE ASSEMBLY	
1	PAFZZ	33413	24394	GASKET.....	1
2	PAFZZ	96906	MS90728-40	BOLT1MACHINE	4
3	PFFZZ	33413	24376	ADAPTER, ENGINE	1
4	PAFZZ	33413	24325	GASKET.....	1
5	PBFFF	65254	58037	ENGINE GASOLINE MODEL 58037	1
6	PAFZZ	96906	MS90728-66	SCREW, CAPIHEXAGON H.....	4
7	PAFZZ	96906	MS45904-76	WASHER LOCK	4
8	PAFZZ	96906	M535338-44	WASHER LOCK	4
9	PAFZZ	96906	MS90725-10	SCREW CAP, HEXAGON H.....	4
10	XDFZZ	33413	26935	BRACKETIENGINE	2

END OF FIGURE

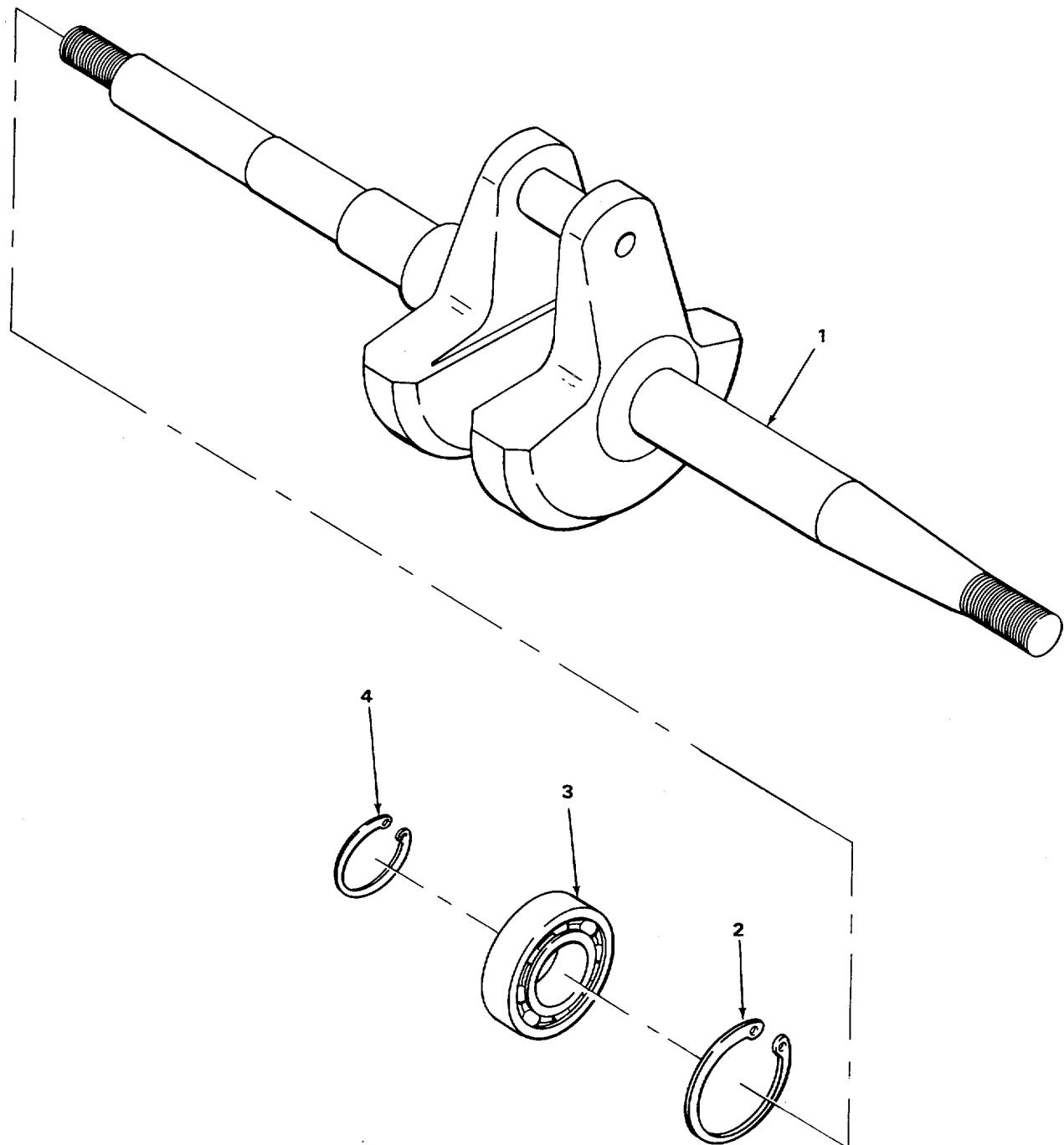


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FIGURE 2. CRANKCASE, BLOCK, CYLINDER HEAD.

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
				GROUP 0101 CRANKCASE, BLOCK CYLINDER HEAD	
				FIG. 2 CRANK CASE BLOCLK CYLINDER HEAD	
1	PFFZZ	93334	A237010	CYLINDER,ENGINE1GAS.....	1
2	PFFZZ	93334	31146	•SEAL	1
3	PAFZZ	93334	1459	SCREW;MACHINE	4
4	KFFZZ	93334	249277-1	GASKET, BEARING CAGE PART OF KIT P/N..... 35173	1
5	PFFZZ	93334	A249038	SUPPORT; CRANKSHAFT	1
6	PFFZZ	93334	31013	•BEARING;TROLLER ;NEED.....	1
7	PFFZZ	93334	2788004	•STUD; PLAIN	4
8	PFFZZ	93334	30146	•SEAL	1
9	PAFZZ	93334	2003	SCREW, ASSEMBLED WAS	6
10	KFFZZ	93334	2770159-2	GASKET, REED PLATE PART OF KIT P/N..... 35173	1
11	PFFZZ	93334	A2775158	PLATE ASSEMBLY; REED.....	1
12	PFFZZ	93334	1755	•SCREW; ASSEMBLED WAS	1
13	PFFZZ	93334	27161	•STOP, REED ENG.EXHAU	1
14	PFFZZ	93334	27160	•REED, ENGINE EXHAUST	1
15	PFFZZ	93334	19209-2	•STUD.....	2
16	PAFZZ	93334	1490	NUT; PLAIN;HEXAGON	2
17	PAFZZ	93334	1472	SCREW, ASSEMBLED WAS	4

END OF FIGURE

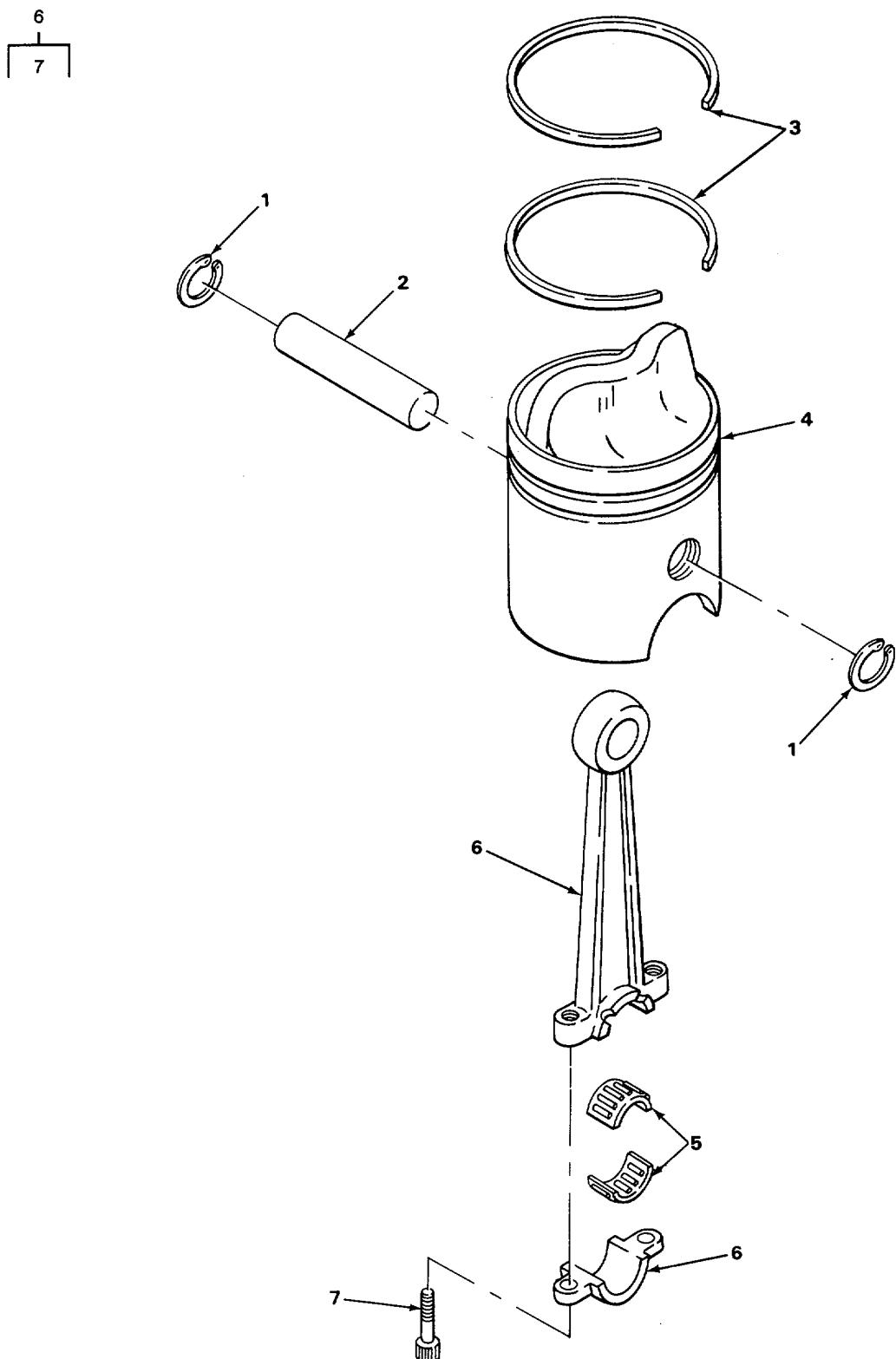


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FIGURE 3. CRANKSHAFT.

SECTION II**TM 5-3895-360-24P**

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 0102 CRANKSHAFT					
FIG. 3 CRANKSHAFT					
1	PFFZZ	93334	A2761018	CRANKSHAFT; ENGINE	1
2	PFFZZ	93334	30410	RING;RETAINING	1
3	PFFZZ	93334	127910-2	BEARING; BALL;ANNULA.....	1
4	PFFZZ	93334	2770410	RING; RETAINING.....	1
END OF FIGURE					



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FIGURE 4. PISTONS AND CONNECTING RODS.

SECTION II**TM 5-3895-360-24P**

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
1	PFFZZ	93334	31410	GROUP 0104 PISTONS AND CONNECTING RODS	
2	PFFZZ	65254	7017	FIG. 4 PISTONS AND CONNECTING RODS	
3	PFFZZ	93334	A130260	RING;RETAINING.....	2
4	PFFZZ	93334	257015	PIN, PISTON.....	1
5	PFFZZ	93334	2A237228	RING SET;PISTON.....	1
6	PFFZZ	93334	A36016-4	PISTON, INTERNAL COM	1
7	PFFZZ	93334	36634	ROLLER AND CAGE SET,.....	1
				CONNECTING ROD;PIST.....	1
				•SCREW; CAP SOCKET;HE.....	2

END OF FIGURE

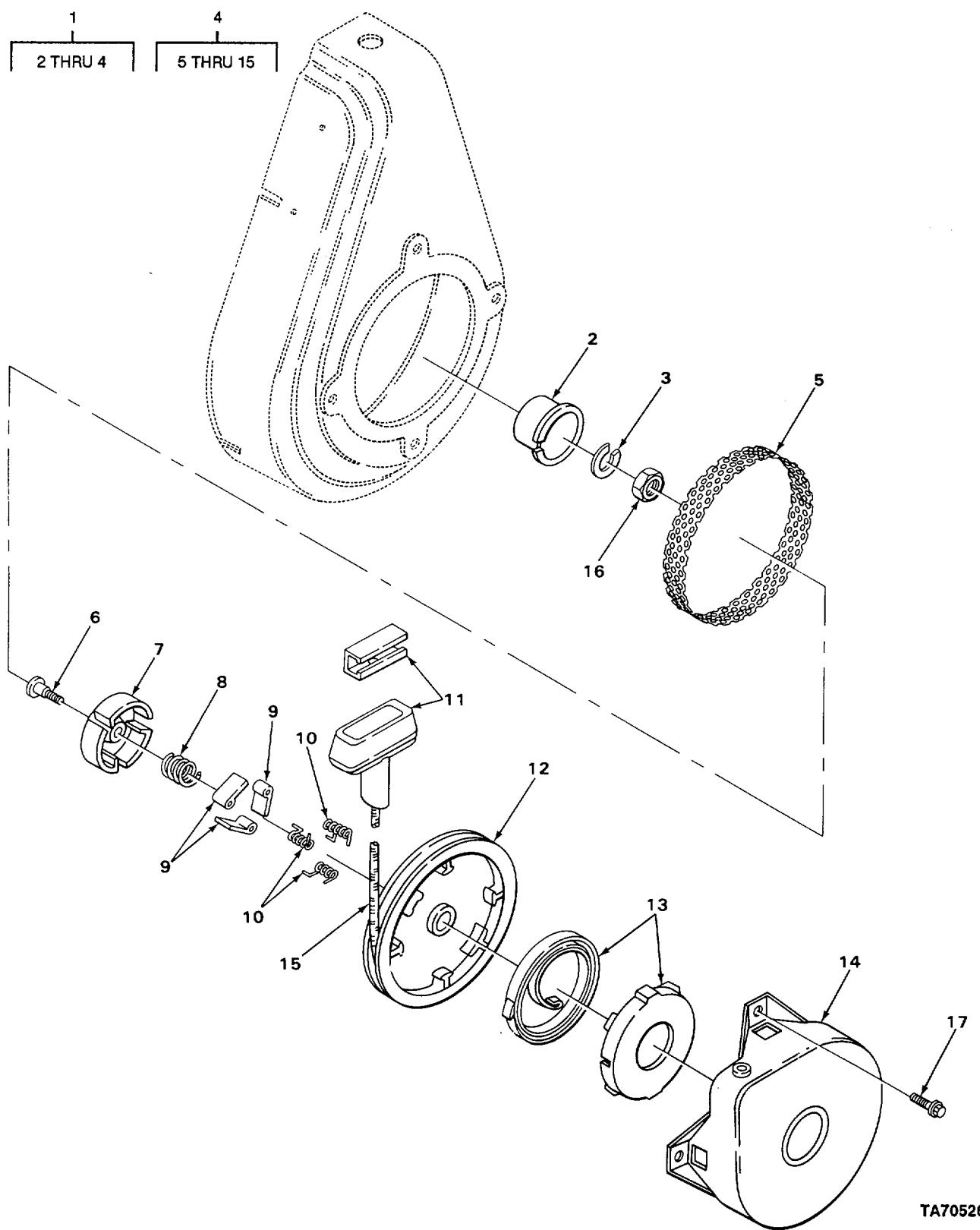
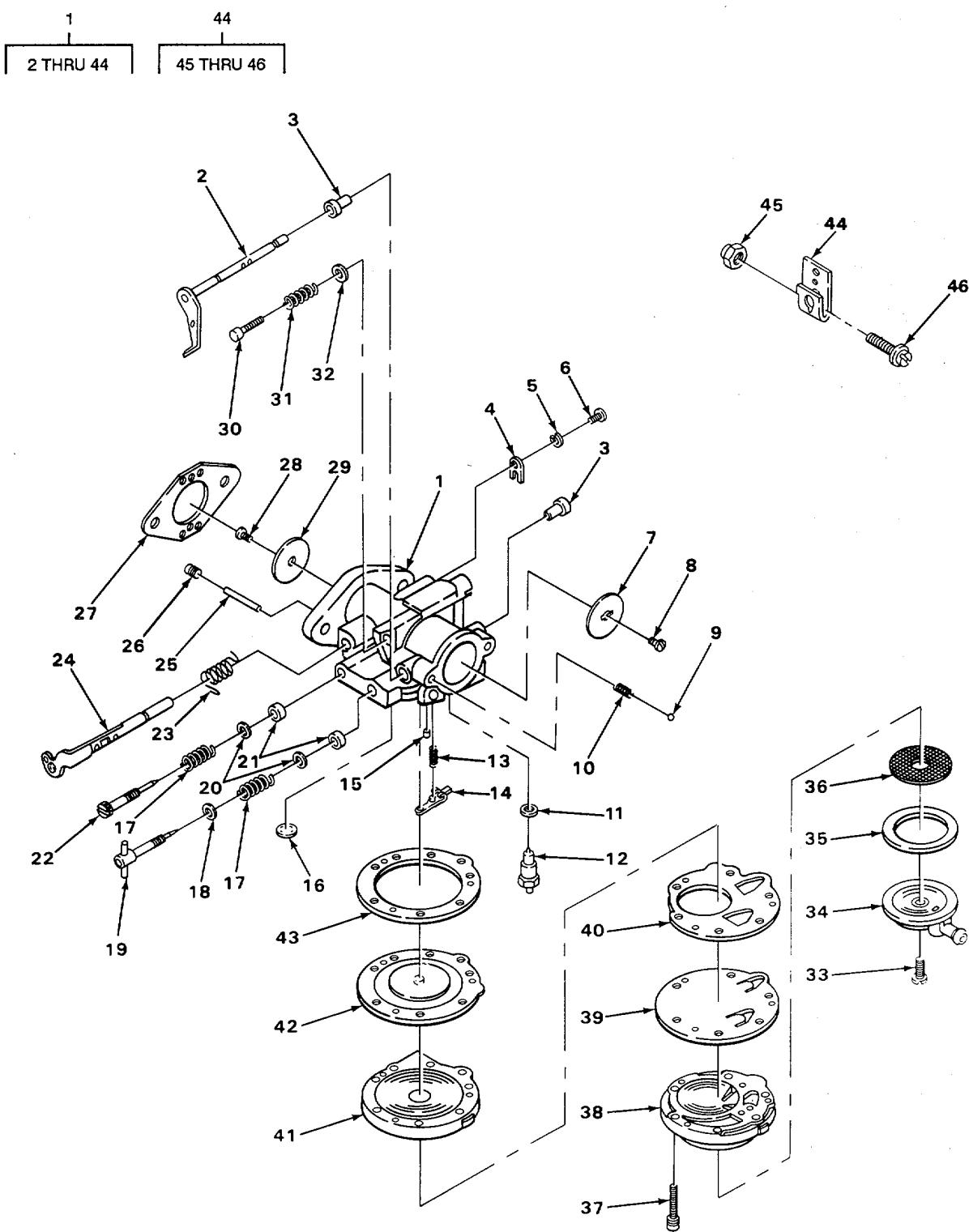


FIGURE 5. ENGINE STARTING SYSTEM.

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(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
1	PFOZZ	93334	K1038-1	GROUP 0107 ENGINE STARTING SYSTEM	
2	PFOZZ	93334	237456-1	FIG. 5 ENGINE STARTING SYSTEM	
3	PAOZZ	93334	8067		
4	PBOOO	93334	248063		
5	PFOZZ	93334	15603		
6	PFOZZ	93334	250751-1	PARTS KIT, HAND ENGI CVRSN KIT	1
7	PFOZZ	93334	15604	STARTER.....	
8	PFOZZ	93334	250003	•CUP, STARTER	1
9	PFOZZ	93334	250421	•WASHERILOCK.....	1
10	PFOZZ	65254	15605	•STARTER;ENGINE, HAND.....	1
11	PFOZZ	93334	A250132	••SCREEN, ENGINE START	1
12	PFOZZ	93334	15606	••SCREW, DOG RETAINER	1
13	XDOZZ	93334	15584	••RETAINER;DOG	1
14	PFOZZ	93334	15583-1	••SPRING;HELICAL, COMP	1
15	PFOZZ	93334	15585	••DOG, SET, STARTER	3
16	PAOZZ	96906	MS35691-31	••SPRING	1
17	PAOZZ	93334	257751	••HANDLE, STARTER, ROPE	1
				••PULLY, STARTER.....	1
				••SPRING, SPIRAL TORSI	1
				••COVER, HAND STARTER	1
				••ROPE.....	1
				NUT;PLAIN, HEXAGON	1
				SCREW;ASSEMBLED WAS	4

END OF FIGURE



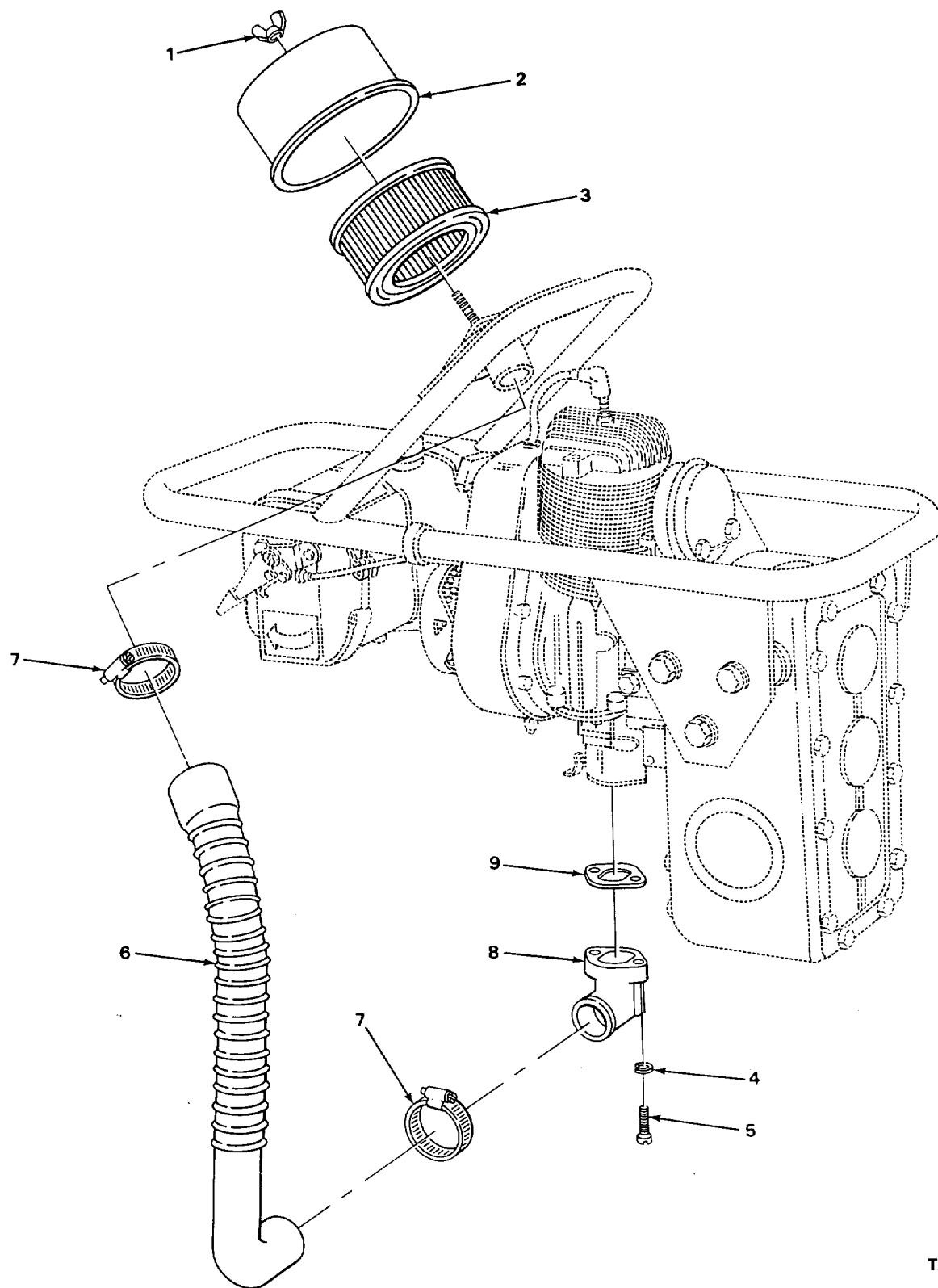
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FIGURE 6. CARBURETOR.

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
				GROUP 03 FUEL SYSTEM	
				GROUP 0301 CARBURETOR, FUEL INJECTOR	
				CARBURETOR, FUEL INJECTOR	
				FIG. 6 CARBURETOR	
1	PBOZZ	93334	K2788061-3	CARBURETOR;FLOAT	1
2	PFFZZ	93334	013572	•CHOKE SHAFT AND LEV.....	1
3	PFFZZ	93334	013569	•BUSHING, SLEEVE; CHOKE	2
4	PAFZZ	93334	09678	•CLIP, SPRING TENSION.....	1
5	PAFZZ	93334	0992	•WASHER, LOCK.....	1
6	PAFZZ	93334	01974	•SCREW, MACHINE	1
7	PFFZZ	93334	09626	•VALVEICHOKE	1
8	PAFZZ	93334	010280	•SCREW;ASSEMBLED WAS.....	1
9	PFFZZ	93334	04784	•BALL, CHOKE FRICTION.....	1
				UOC:VRC	
9	XOFZZ	93334	05454	•BALL, CHOKE FRICTION.....	1
				UOC:T77	
10	PFFZZ	93334	08805	•SPRING, TORSION,	1
11	KFFZZ	93334	010165	•GASKET, INLET SEAT PART OF KIT P/N	1
				K10117	
12	KFFZZ	93334	018028	•NEEDLE;INLET PART OF KIT P/N K10117	1
13	KFFZZ	93334	011503	•SPRING, INL TENSION PART OF KIT P/N.....	1
				K10117-T77	
14	KFFZZ	93334	014020	•LEVER, INLET CONTROL PART OF KIT P/N	1
				K10117	
14	XDFZZ	93334	010513	UOC:VRC	
				•LEVER, INLET CONTROL.....	1
15	KFFZZ	93334	010588	UOC:T77	
				•PLUG, BOOY CHANNEL PART OF KIT P/N.....	1
				K10117	
16	KFFZZ	93334	02531	•PLUG; WELCH PART OF KIT P/N K10117	1
17	KFFZZ	93334	08793	•SPRING, ADJUST SCREW PART OF KIT P/N	2
				K10101T77	
18	PFFZZ	93334	04920	•WASHER, FLAT	1
19	KFFZZ	93334	011751	•SCREW, MN ADJUSTMENT PART OF KIT P/N	1
				K10117	
20	KFFZZ	93334	011428	•WASHER, ADJUST SCREW PART OF KIT P/N	2
				K10009 PART OF KIT P/N K10117OI, ..	
21	KFFZZ	93334	011401	•PACKING, ADJ SCREW PART OF KIT P/N	2
				K10009 PART OF KIT P/N K10117	
22	PFFZZ	93334	011498	•IDLE ADJUSTOR SCRE W	1
23	PFFZZ	93334	011275	•SPRING, EXTENSION	1
24	PFFZZ	93334	010779	•SHAFT, LEVER;THROTTL	1
25	PFFZZ	93334	013406	•PIN, STRAIGHT, HEADLE	1
				UOC:VRC	
25	XDFZZ	93334	010581	•PIN;STRAIGHT;HEADLE	1
				UOC:T77	
26	PFFZZ	93334	013269	•SCREW;MACHINE	1
				UOC:VRC	
26	XDFZZ	93334	02232	•SCREW;MACHINE	1
				UOC:T77	

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
27	PAOZZ	93334	175906	•GASKET , CARBURETOR.....	1
28	KFFZZ	93334	08942	•SCREW ASSEM WASHER PART OF KIT P/N	1
29	PFFZZ	93334	08646	K10117.....	1
30	KFFZZ	93334	05095	•SHUTTER;THROTTLE	1
31	KFFZZ	93334	0788	•SCREW, REGULATING PART OF KIT P/N	1
32	PFFZZ	93334	010404	K10117.....	1
33	KFFZZ	93334	010571	•WASHER, FLAT	1
34	PAFZZ	93334	010527	•SCREW PART OF KIT P/N K10117	1
35	KFFZZ	93334	010529	•COVER, STRAINER.....	1
36	KFFZZ	93334	010530	•GASKET, COVER PART OF KIT P/N K10009	1
37	PAFZZ	93334	018031	•STRAINER, FUEL PART OF KIT P/N.....	1
				•SCREW;MACHINE	6
37	XDFZZ	93334	010098	UOC:VRC	
				•SCREW;MACHINE	6
38	PFFZZ	93334	018033	UOC:T77	
39	KFFZZ	93334	010531	•BODY, PUMP, CARBURETO	1
				•DIAPHRAGM, FUEL PUMP PART OF KIT P/N.....	1
39	PFFZZ	93334	012698	K101177,.....	
				UOC:VRC	
				•DIAPHRAGM, FUEL PUMP	1
40	KFFZZ	93334	012930	UOC:T77	
				•GASKET;FUEL PUMP PART OF KIT P/N	1
41	PFFZZ	93334	018032	K10009.....	
42	KFFZZ	93334	012475	•COVER; DIAPHRAGM	1
43	KFFZZ	93334	012473	•DIAPHRAGM PART OF KIT P/N K10117	1
				•GASKET, DIAPHRAGM PART OF KIT P/N.....	1
44	PFOZZ	93334	A2770589	K10009,.....	
45	PFOZZ	93334	7011	•ARM ASSEMBLY, THROTT	1
46	PFOZZ	93334	1733	•NUT;SELF LOCK CAP	1
				•SCREW, ASSEMBLED WAS.....	1

END OF FIGURE



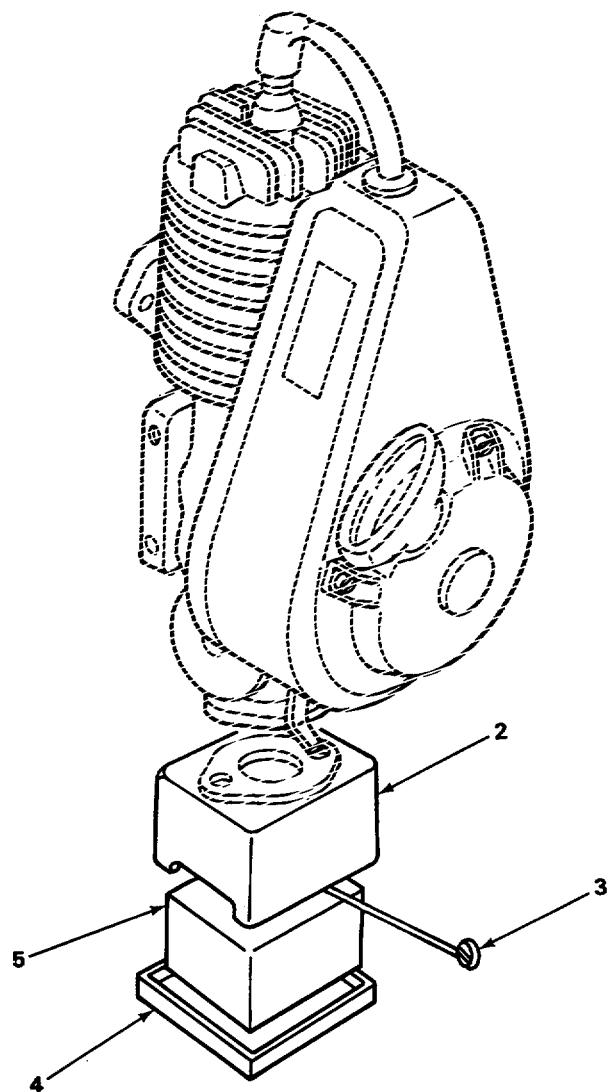
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FIGURE 7. AIR CLEANER (VR11C).

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 0304 AIR CLEANER					
FIG. 7 AIR CLEANER (VR11C)					
1	PAOZZ	96906	MS35425-70	NUT, PLAIN, WING	1
2	PFOZZ	52845	231855	UOC:VRC COVER1ACCESS.....	1
3	PAOZZ	81321	AFP79	UOC:VRC FILTER ELEMENT;INTA	1
4	PAOZZ	96906	MS35338-43	UOC:VRC WASHER, LOCK	2
5	PAOZZ	96906	MS16998-29	SCREW, CAP, SOCKET HE	2
6	PFOZZ	24161	26440	UOC:VRC HOSE;PREFORMED	1
7	PFOZZ	62789	62032	UOC:VRC CLAMP;HOSE	2
8	PAOZZ	33413	35220	UOC:VRC ELBOW;FLANGE	1
9	PFOZZ	93334	252836	GASKET..... UOC:VRC	1

END OF FIGURE

1
2 THRU 5

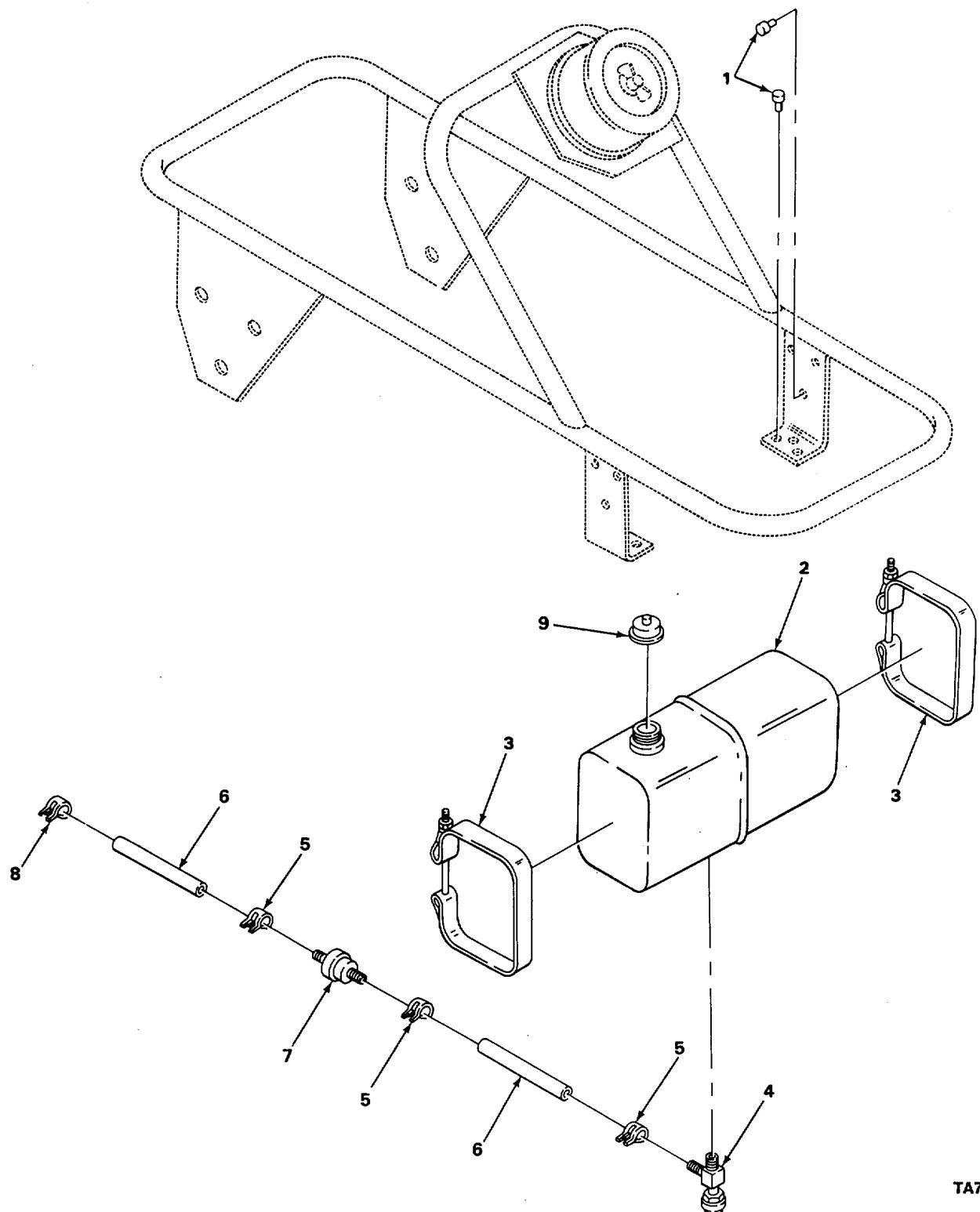


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FIGURE 8. AIR CLEANER (VR11).

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 0304 AIR CLEANER					
FIG. 8 AIR CLEANER (VR11)					
1	PAOZZ	06504	CAA-2W/125-11	FILTER, COMPLETE UOC:T77	1
2	XDOZZ	33413	34803	•AIR FILTER HOUSING UOC:T77	1
3	PAOZZ	33413	26923	•FILTER PIN UOC: T77	1
4	XDOZZ	33413	34804	•FILTER COVER UOC:T77	1
5	PAOZZ	33413	125-11	•FILTER ELEMENT UOC:T77	1

END OF FIGURE



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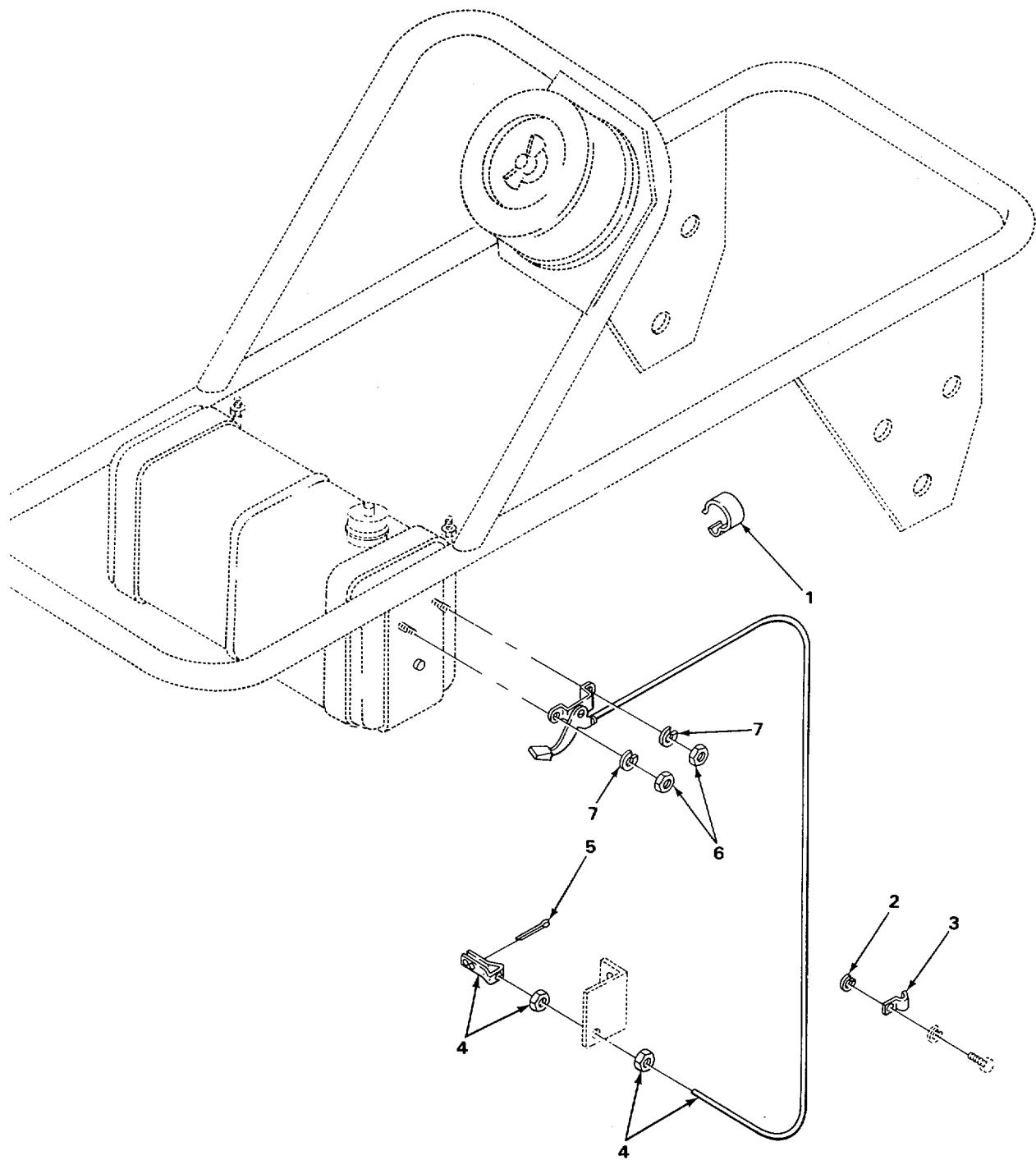
FIGURE 9. TANKS, LINES, FITTINGS.

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(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
				GROUP 0306 TANKS, LINES, FITTINGS, HEADERS	
				FIG. 9 TANKS LINES FITTINGS	
1	PFOZZ	70485	1178-2	BUMPER, NONMETALLIC	6
1	PFOZZ	33413	47011	UOC:VRC	
2	PFOFF	00165	448	BUMPER, NONMETALLIC	6
3	XDOZZ	14242	T4003-75-525-S	UOC:T77	
4	PFOZZ	17489	10066	TANK, FUEL, ENGINE.....	1
5	PFOZZ	59199	5008	CLAMP;LOOP	2
6	MOOZZ	98441	801-4-XX	CAP, VENTIFUEL STORA.....	1
7	XDOZZ	62644	401A	CLAMPIHOSE.....	3
8	PFOZZ	62789	3604	HOSE, FUEL MAKE FROM HOSE P/N 801-4.....	2
9	PFOZZ	00165	619	FILTER;FLUID	1
				CLAMP, HOSE.....	1
				CAP, FILLER OPENING	1

END OF FIGURE



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FIGURE 10. THROTTLE CONTROL (VR11C).

SECTION II				(5)	(6)
ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 0312 ACCELERATOR THROTTLE, OR CHOKE CONTROLS					
FIG. 10 THROTTLE CONTROL (VR11C)					
1	PAOZZ	70436	MT-158-3	CLIP, SPRING TENSION	1
				UOC:VRC	
2	PAOZZ	96906	MS35338-44	WASHER, LOCK.....	1
				UOC:VRC	
3	PFOZZ	93736	1115-S	CLIP, THROTTLE	1
				UOC:VRC	
4	PFOZZ	33413	34710	CONTROL ASSEMBLY, PU	1
				UOC:VRC	
5	PAOZZ	96906	MS24665-351	PIN,COTTER	1
				UOC:VRC	
6	PAOZZ	96906	MS35649-202	NUT, PLAIN, HEXAGON	1
				UOC:VRC	
7	PAOZZ	96906	MS35338-43	WASHER,LOCK.....	2
				UOC:VRC	
END OF FIGURE					

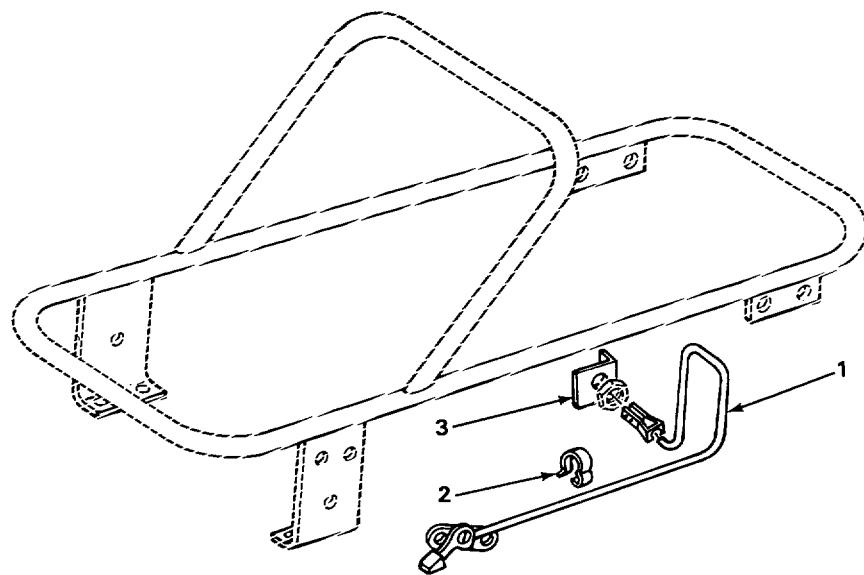
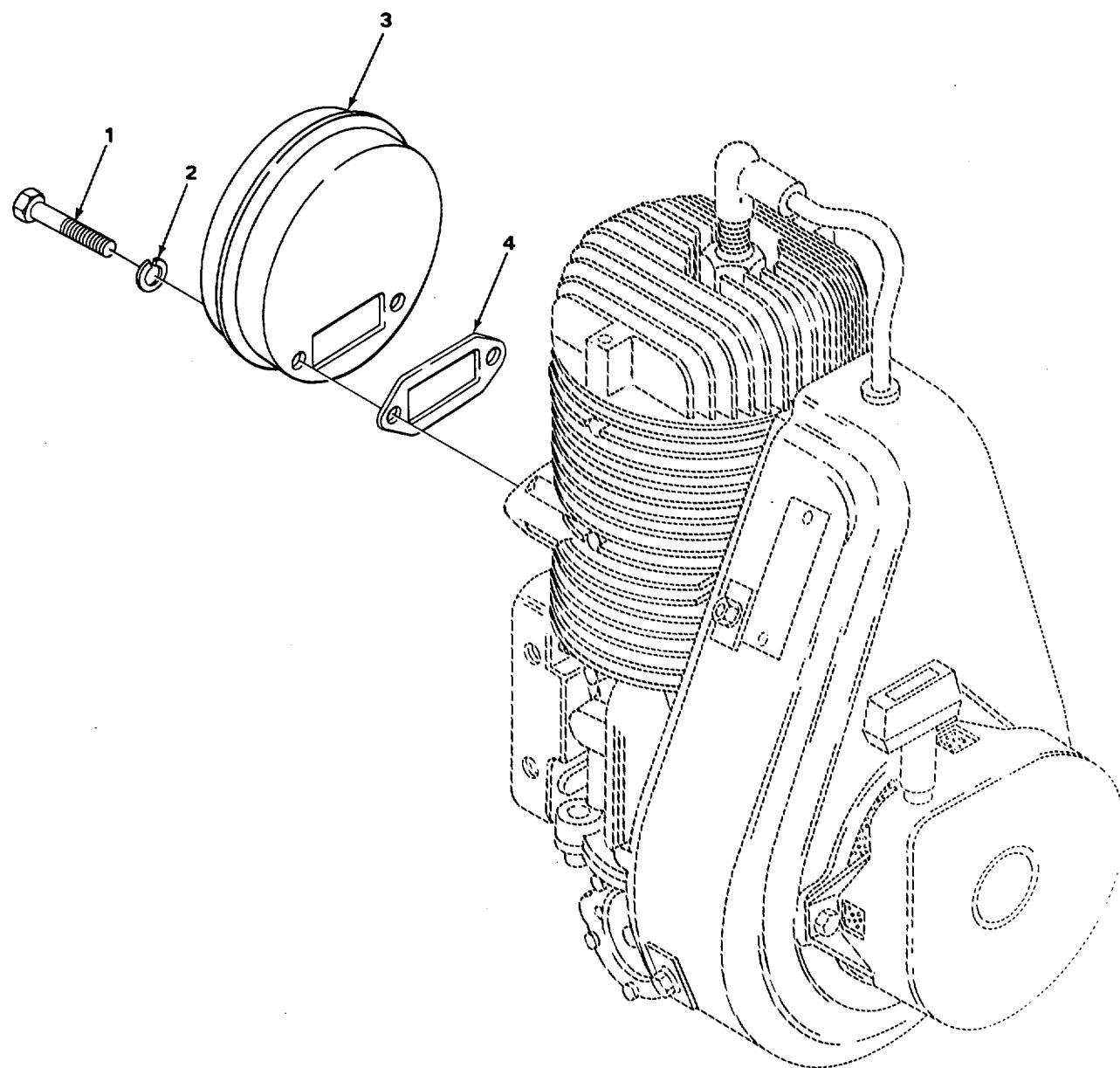


FIGURE 11. THROTTLE CONTROL (VR11)

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SECTION II				(5)	(6)
ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 0312 ACCELERATOR, THROTTLE, OR CHOKE CONTROLS					
FIG. 11 THROTTLE CONTROL (VR11)					
1	PAOZZ	33413	21556	THROTTLE ASSEMBLY..... UOC:T77	1
2	PAOZZ	70436	MT-158-3	CLAMP	1
3	XDOZZ	33413	27158	THROTTLE BRACKET	1
UOC:T77 END OF FIGURE					



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FIGURE 12. MUFFLER

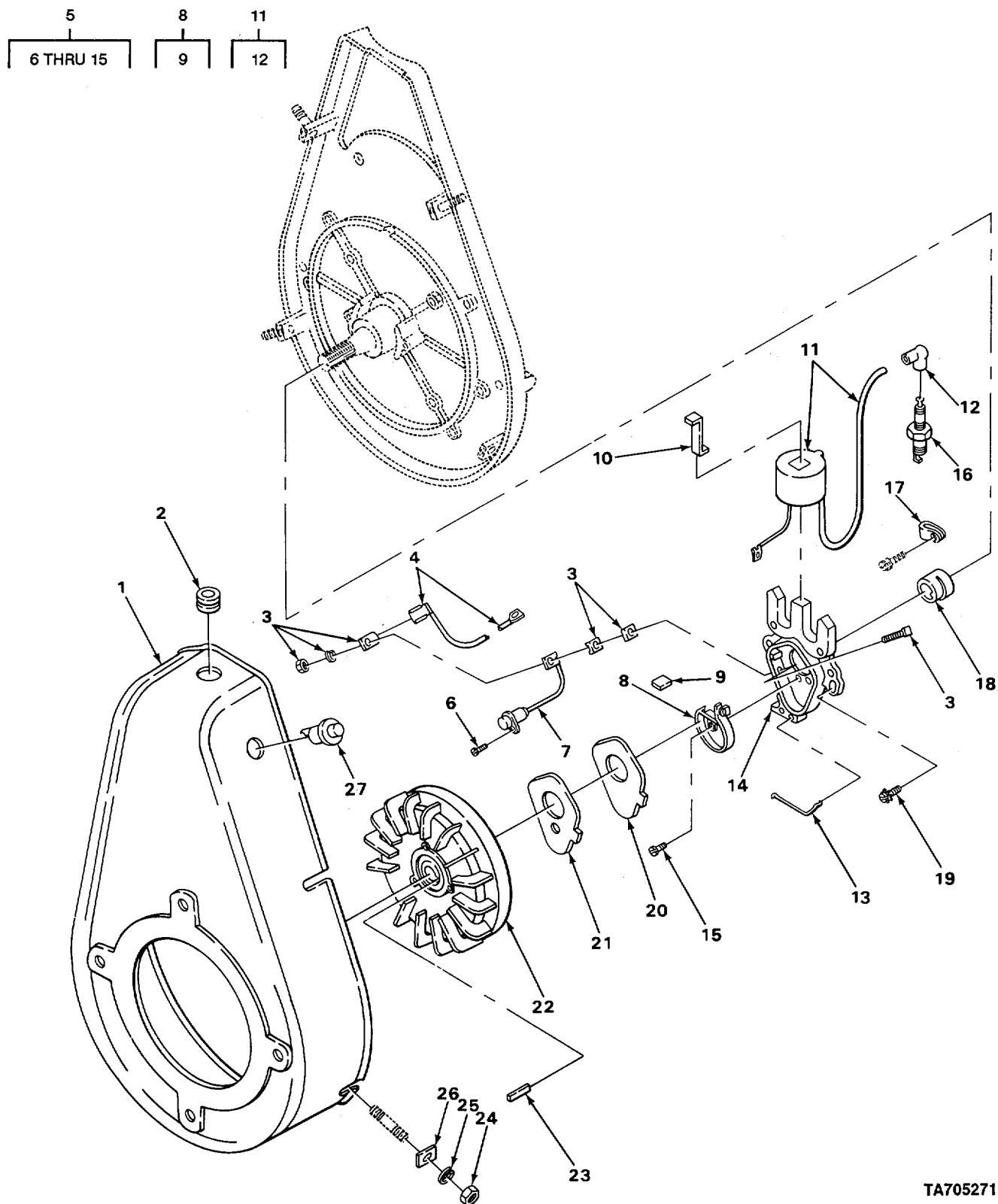
SECTION II				(5)	(6)
ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 04 EXHAUST SYSTEM GROUP 0401 MUFFLER AND PIPES					
FIG. 12 MUFFLER					
1 PAOZZ 96906			MS51107-12	SCREW, CAP, HEXAGON H.....	2
2 PAOZZ 96906			MS35338-44	WASHER, LOCK	2
3 PFOZZ 76700			16974-N	MUFFLER, EXHAUST	1
4 KFOZZ 93334			27279	GASKET, MUFFLER PART OF KIT P/N 35173	1

END OF FIGURE

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FIGURE 13. IGNITION COMPONENTS

ITEM NO	(1) SMR CODE	(2) CAGEC	(3)	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 06 ELECTRICAL SYSTEM GROUP 0605 IGNITION COMPONENTS						
FIG. 13 IGNITION COMPONENTS						
1	PFOZZ	93334	A248596-3	HOUSING, ENGINE FAN	1	
2	PFOZZ	65254	248840	GROMMET, NONMETALLIC.....	1	
3	PFOZZ	93334	12133	CONNECTOR UNIT.....	1	
4	PFOZZ	93334	241907	LEAD, ELECTRICAL.....	1	
5	PBOFF	93334	27095-1	PLATE, STATOR	1	
				UOC:VRC		
6	KFOZZ	93334	12083	•SCREW, ASSEM WASHER	1	
7	PAOZZ	93334	12188	•CAPACITOR, FIXED, PAP	1	
8	PAOZZ	93334	12131	•CONTACT SET, DISTRIB-.....	1	
9	PFOZZ	93334	12227	•WIPER, CAM.....	1	
10	KFFZ	93334	12130	•SPRING, WEDGE, COIL.....	1	
11	KFFFF	93334	K12368	•COIL ASSEMBLY	1	
12	KFOZZ	93334	K750-2	•TERMINAL	1	
13	KFOZZ	93334	12242	•SPRING, BREAKER COV	1	
14	PAFZZ	93334	12321	•PLATE, STATOR.....	1	
15	XDOZZ	93334	12090	•SCREW, BREAKER CLAMP	1	
16	PAOZZ	11583	UJ-11G	SPARK PLUG	1	
17	PFOZZ	93334	260446	CLAMP, LOOP	2	
18	PFFZ	93334	30002	CAM, MAGNETIC	1	
19	PAFZZ	93334	1457	SCREW, ASSEMBLED WAS	2	
20	PFOZZ	93334	30031	GASKET	1	
21	PFOZZ	93334	30029	COVER, BREAKER	1	
22	PFOZZ	93334	27097-1	FLYWHEEL, ENGINE	1	
23	PAOZZ	93334	12244	KEY	1	
24	PAOZZ	93334	7008	NUT,SELF LOCKING.....	4	
25	PAOZZ	93334	8083	WASHER, LOCK,.....	4	
26	PFOZZ	65254	2775595	WASHER1FLAT.....	4	
27	PFOZZ	93334	248449-1	SWITCH, PUSH	1	

END OF FIGURE

1
2 THRU 14 | 3
4 THRU 6

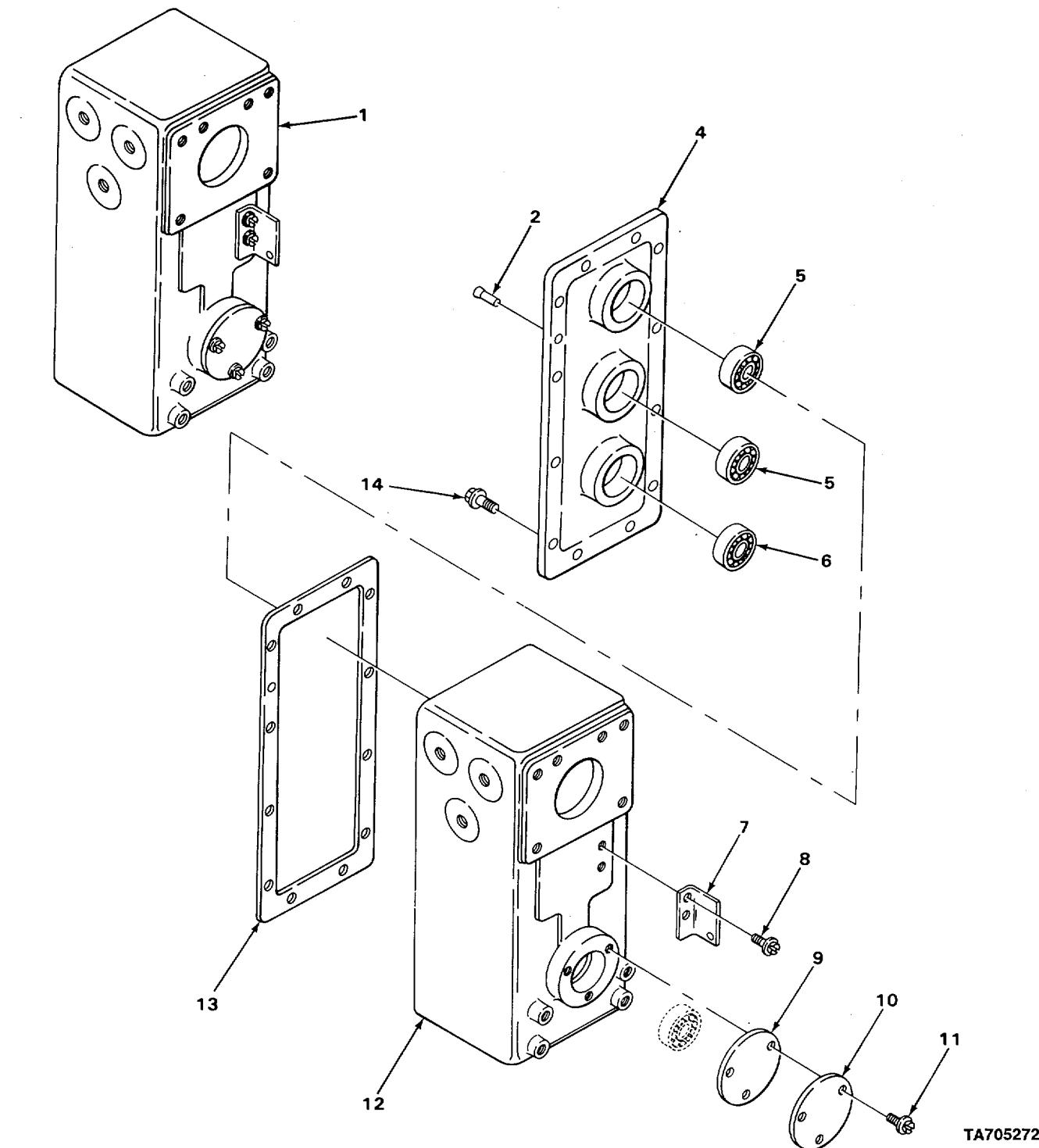


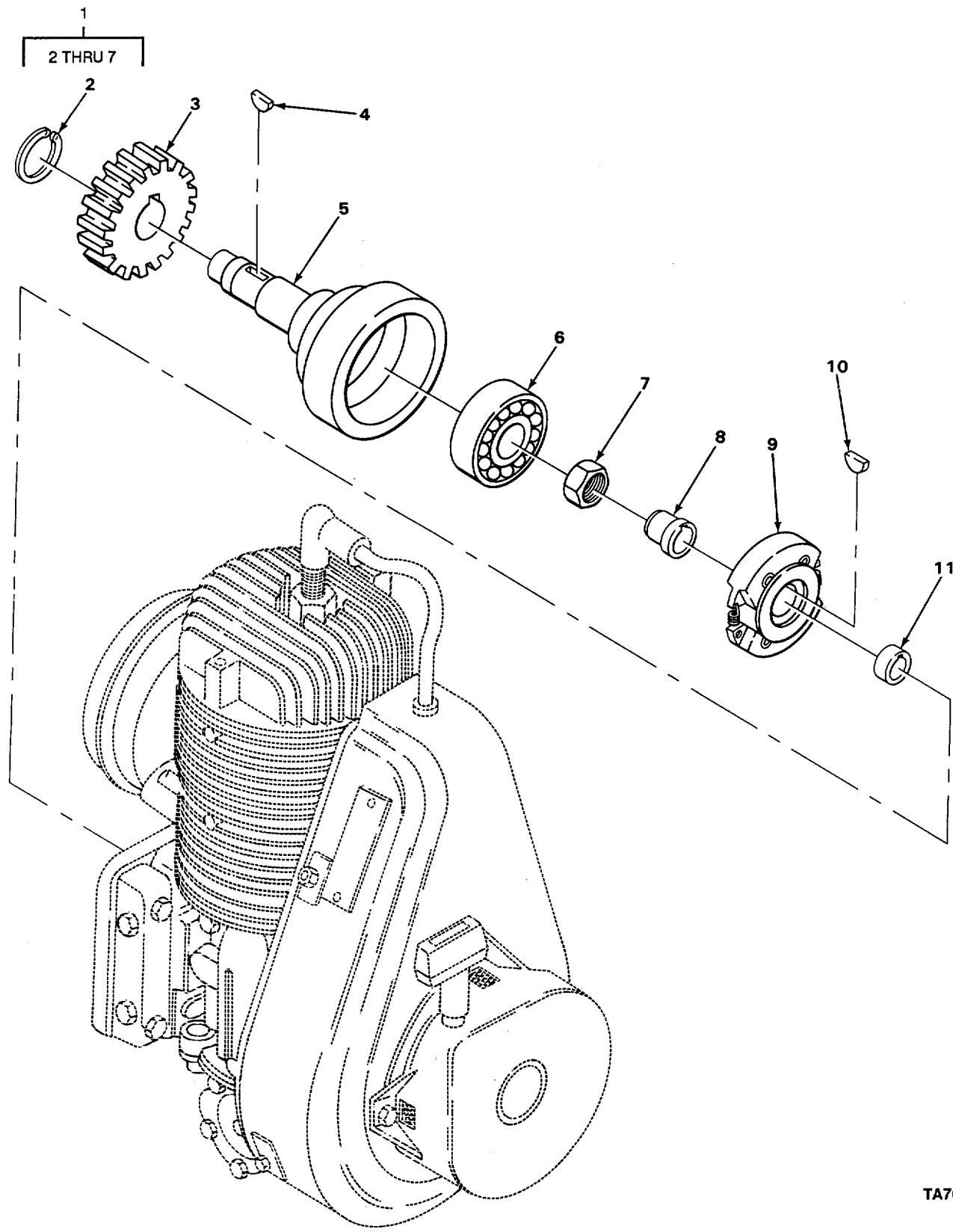
FIGURE 14. TRANSMISSION ASSEMBLY

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5)	(6)			
				DESCRIPTION AND USABLE ON CODES (UOC)	QTY			
GROUP 07 TRANSMISSION GROUP 0700 TRANSMISSION ASSEMBLY								
FIG. 14 TRANSMISSION ASSEMBLY								
1	AFFFF	33413	21584	GEARCASE ASSEMBLY	1			
2	PFFZZ	96906	MS16555-46	•PIN, STRAIGHT, HEADLE	2			
3	PFFZZ	33413	21528	••COVER ASSEMBLYBEAR	1			
4	PFFZZ	33413	24249	••COVER, GEARCASE	1			
5	PFFZZ	52676	6303-2RS	••BEARING, BALL, ANNULA.....	2			
6	PAFZZ	43334	55503X1E9	••BEARING, BALL, ANNULA.....	1			
				UOC:VRC				
7	PFOZZ	33413	27158	•BRACKET, ANGLE.....	1			
8	PAOZZ	87308	9032183100010ZA0	•SCREW, TAPPING	2			
9	PFFZZ	33413	24292	•GASKET	1			
10	PFFZZ	33413	27114	•SPEED COVER, TAMPER.....	1			
11	PAFZZ	87308	9032183100010ZA0	•SCREW, TAPPING	3			
12	PFFZZ	33413	24248	•GEARCASE	1			
13	PFFZZ	33413	24291	•GASKET	1			
14	PFFZZ	87308	2312165012010Z00	•SCREW, TAPPING	12			

END OF FIGURE

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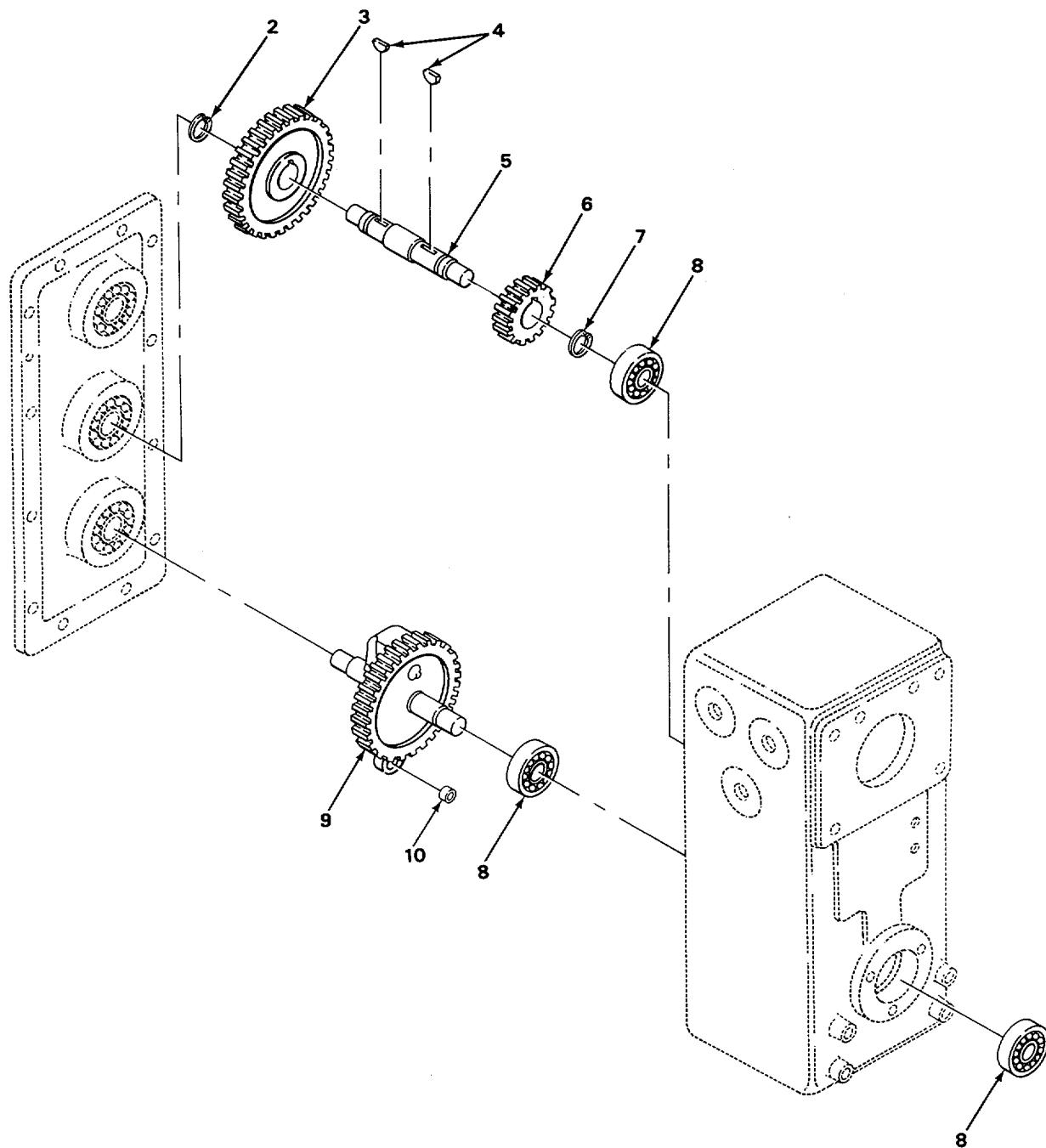
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FIGURE 15. TRANSMISSION CLUTCH AND CLUTCH CONTROLS

SECTION II				(5)	(6)
ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
				GROUP 0703 TRANSMISSION CLUTCH AND CLUTCH CONTROLS	
				FIG. 15 TRANSMISSION CLUTCH AND CLUTCH CONTROLS	
1	PAFZZ	33413	21585	SHAFT, CLUTCH ASSEMB.....	1
2	PAFZZ	96906	MS16624-1075	•RING, RETAINING, EXT	1
3	PFFZZ	33413	26763	•GEAR, SPUR, PINION	1
4	PAFZZ	96906	MS35756-8	•KEY, WOODRUFF	1
5	PFFZZ	33413	24300	•SHAFT, CLUTCH	1
6	PFFZZ	63092	6304-2RS	•BEARING, BALL, ANNULA	1
7	PAFZZ	96906	MS21044N7	•NUT, SELF-LOCKING, HE	1
8	PFFZZ	33413	24305	SPACER, SLEEVE.....	1
				UOC: VRC	
9	PFFZZ	28172	R2056002	CLUTCH, POSITIVE	1
				UOC:VRC	
10	PAFZZ	96906	MS35756-8	KEY, WOODRUFF	1
11	PFFZZ	33413	24306	SPACER, SLEEVE.....	1

END OF FIGURE

1 9
2 THRU 7 10



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FIGURE 16. TRANSFER GEARS, SHAFTS, AND BEARINGS

SECTION II				(5)	(6)
ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 0719 REDUCTION OR TRANSFER GEARS, SHAFTS, AND BEARINGS					
FIG. 16 TRANSFER GEARS, SHAFTS? AND BEARINGS					
1	AFFFF	33413	21590	SHAFT ASSEM, INTMD	1
2	PAFZZ	96906	MS16624-1087	•RING, RETAINING	1
				UOC:VRC	
3	PFFZZ	33413	26921	•GEAR, SPUR.....	1
4	PAFZZ	96906	MS35756-8	•KEY, WOODRUFF	2
5	PFFZZ	33413	26920	•SHAFT, SHOULDERED	1
6	PAFZZ	33413	26763	•GEAR, SPUR, PINION.....	1
7	PAFZZ	96906	MS16624-1075	•RING, RETAINING	1
8	PFFZZ	52676	6303-2RS	BEARING, BALL, ANNULA.....	4
9	PFFFF	33413	26924	CRANKSHAFT, ENGINE	1
10	PFFZZ	33413	24297	•BUSHING, SLEEVE	1

END OF FIGURE

16-1

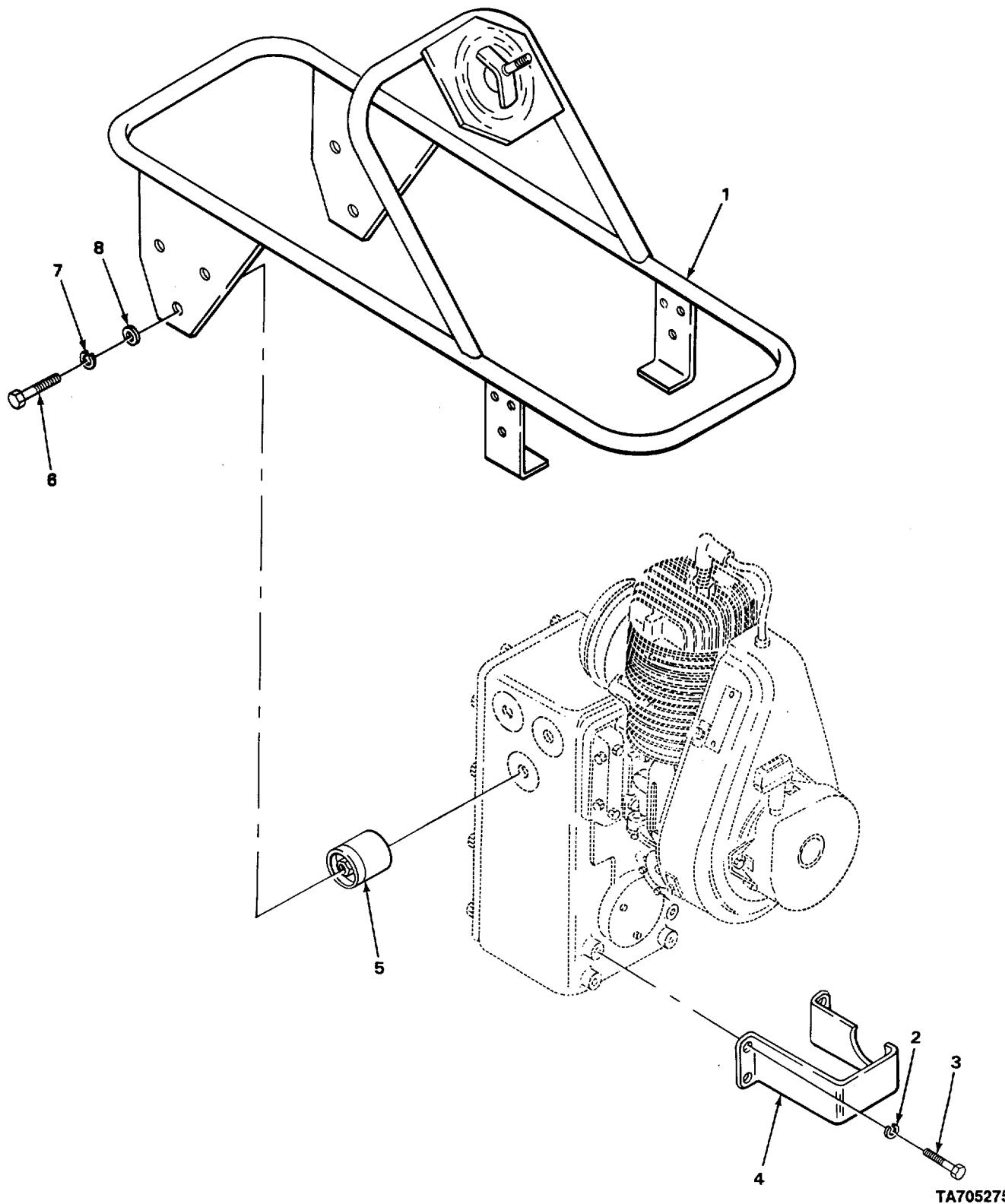
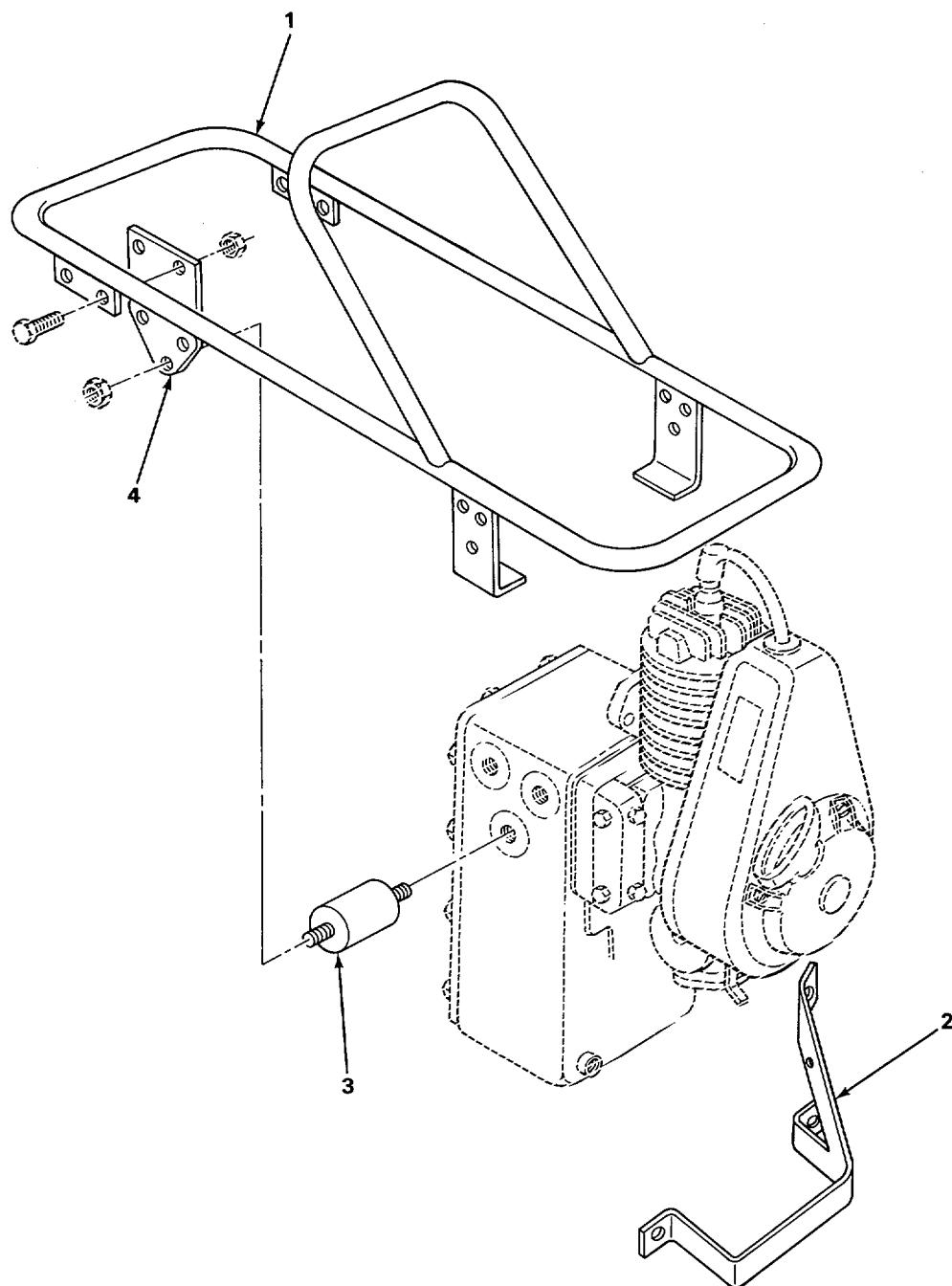


FIGURE 17. FRAME ASSEMBLY (VR11C)

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SECTION II				(5)	(6)
ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 15 FRAME, TOWING ATTACHMENTS, DRAWBARS, AND ARTICULATION SYSTEMS					
GROUP 1501 FRAME ASSEMBLY					
FIG. 17 FRAME ASSEMBLY (VR11C)					
1	PFOZZ	33413	22456-2	HANDLE-WELD ASSEMBL..... UOC:VRC	1
2	PAOZZ	96906	MS35338-45	WASHER, LOCK..... UOC:VRC	4
3	PAOZZ	96906	MS90725-31	BOLT, MACHINE	4
4	PFOZZ	33413	27950	GUARD, CARBURETOR	1
5	PFOZZ	33413	22070	MOUNT, RESILIENT	6
6	PAOZZ	96906	MS90728	SCREW, CAP, HEXAGON H..... UOC:VRC	6
7	PAOZZ	96906	MS35338-48	WASHER, LOCK..... UOC:VRC	6
8	PAOZZ	96906	MS27183-19	WASHER, FLAT..... UOC:VRC	6

END OF FIGURE



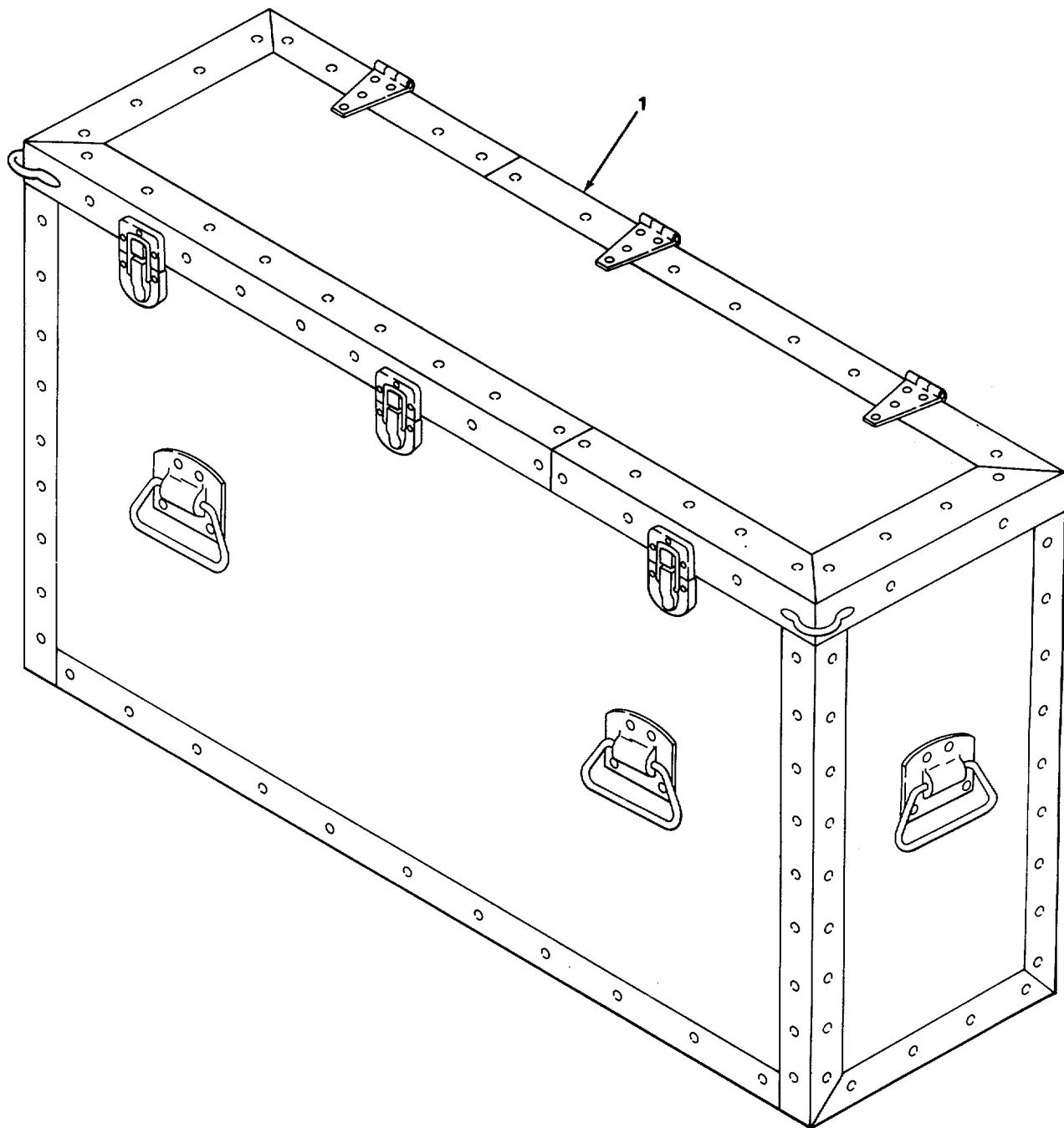
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FIGURE 18. FRAME ASSEMBLY (VR11)

SECTION II				(5)	(6)
ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 1501 FRAME ASSEMBLY					
FIG. 18 FRAME ASSEMBLY (VR11)					
1	XDOZZ	33413	24315	HANDLE.....	1
				UOC:T77	
2	PAOZZ	33413	27950-2	STRAP, RETAINING.....	1
				UOC:T77	
3	XDOZZ	76005	J8350-117	MOUNT, RESILIENT	6
				UOC:T77	
4	XDOZZ	33413	24316	HANDLE BRACKET.....	2
				UOC:T77	

END OF FIGURE

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FIGURE 19. ACCESSORY ITEMS (VR11C)

SECTION II

TM 5-3895-360-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 22 BODY, CHASSIS, AND HULL ACCESSORY ITEMS					
GROUP 2202 ACCESSORY ITEMS					
FIG. 19 ACCESSORY ITEMS (VR11C)					
1	XBOZZ	33413	21517	CASE, CARRYING..... UOC:VRC	1
END OF FIGURE					

19-1

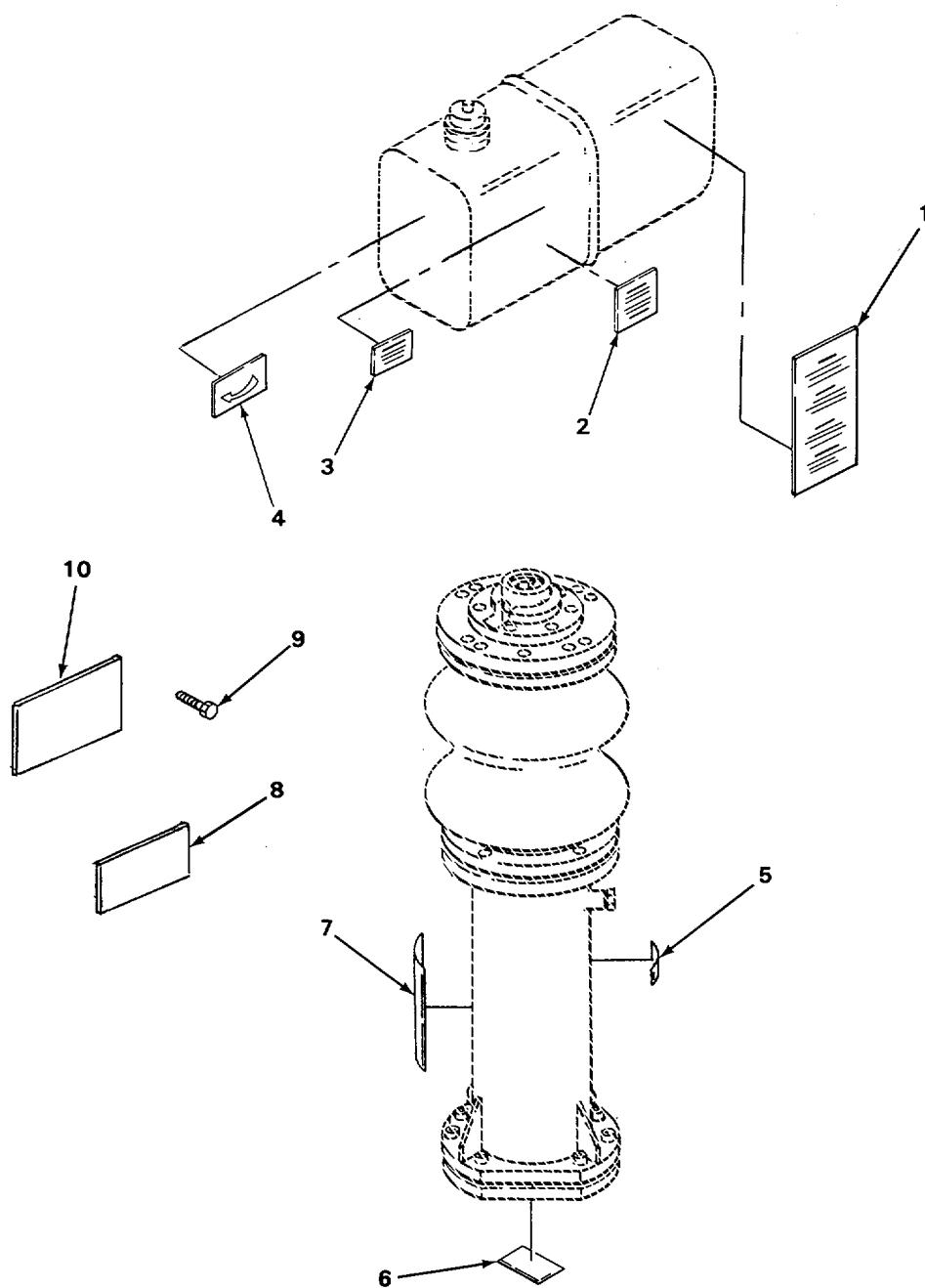


FIGURE 20. DATA PLATE AND DECALS

TA705278

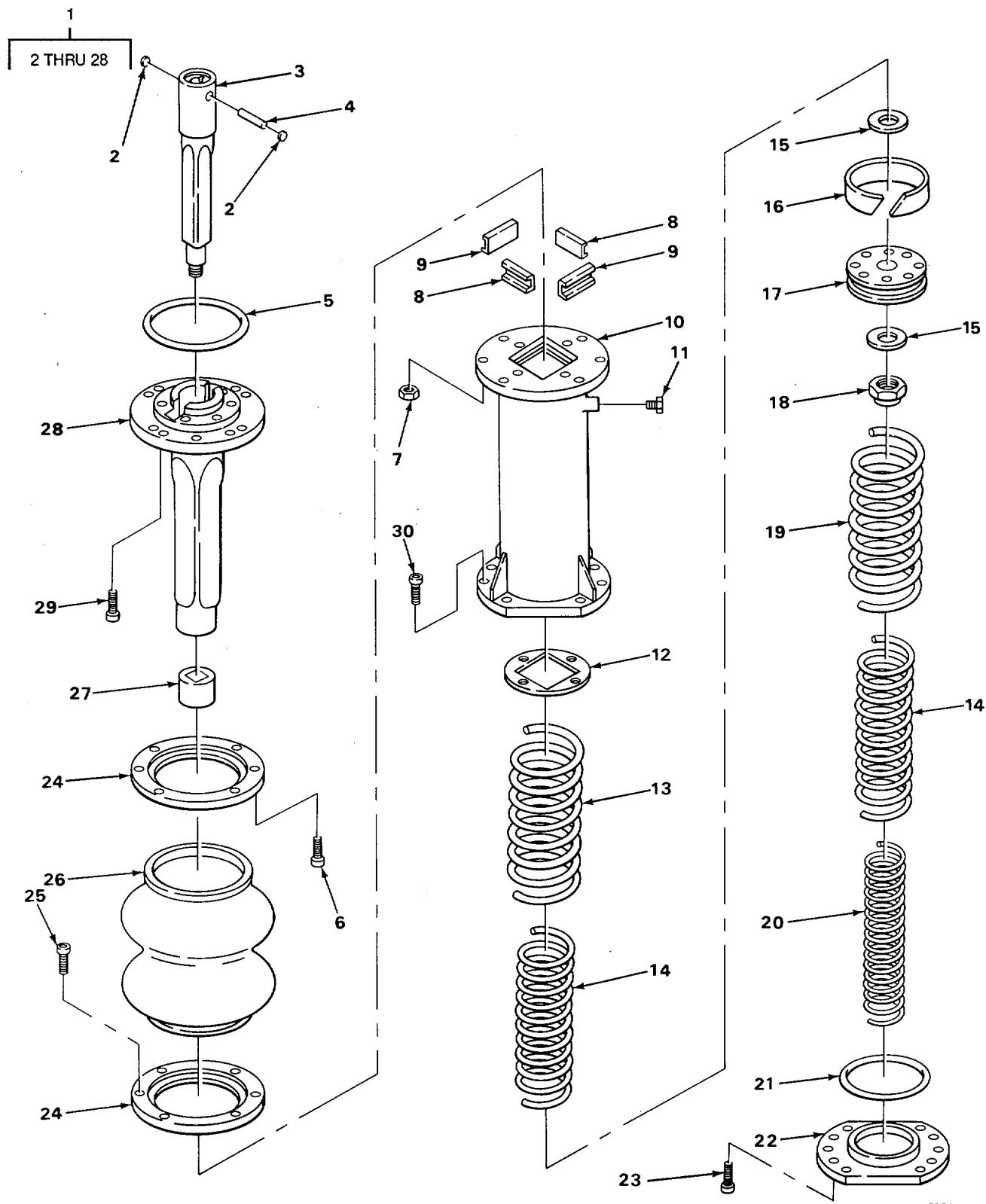
SECTION II				(5)	(6)
ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 2210 DATA PLATES AND INSTRUCTION HOLDERS					
FIG. 20 DATA PLATE AND DECALS					
1	XDOZZ	33413	SN-17C	DECAL, OPERATING	1
2	XDOZZ	33413	SN-43A	DECAL, WARNING	1
3	XDOZZ	33413	SN-47	DECAL, WARNING	1
4	XDOZZ	33413	SN-46A	DECAL, INSTRUCTION..... UOC:VRC	1
5	XDOZZ	33413	SN-85	DECAL, INSTRUCTION..... UOC:VRC	1
6	XDFZZ	33413	SN-9	DECAL, SAFETY	1
7	XOOZZ	33413	SN-69	DECAL, IDENT..... UOC:VRC	1
8	PAOZZ	19207	12296626	DECAL, WARNING	1
9	PAOZZ	33413	1293	SCREW, DRIVE RD HD	2
10	PAOZZ	33413	A27395-4	PLATE, IDENTIFICATIO..... UOC:T77	1

END OF FIGURE

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SECTION II

TM 5-3895-360-24P



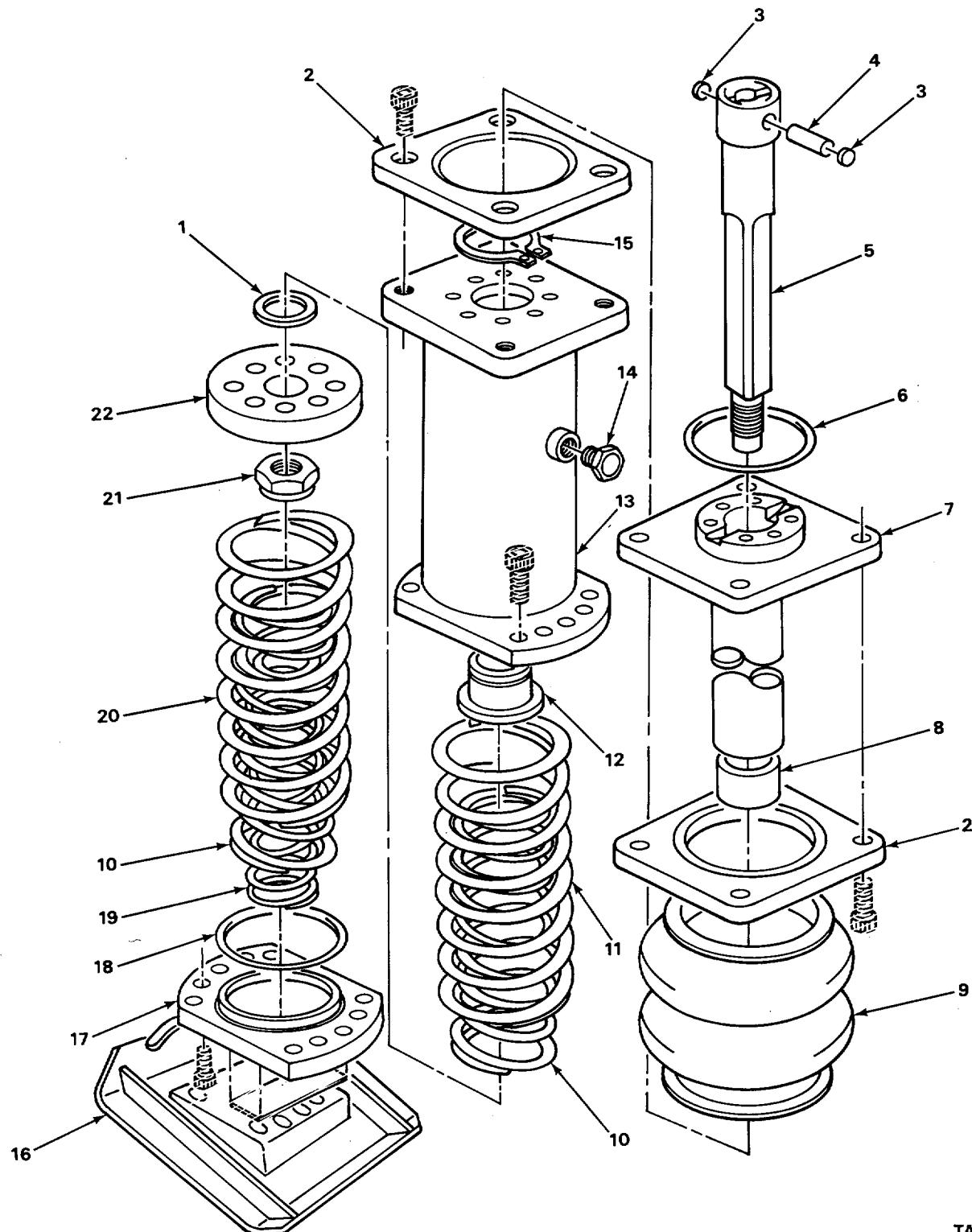
TA705279

FIGURE 21. LOWER UNIT DRIVE MECHANISM (VR11C)

SECTION II				(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 74 CRANES, SHOVELS, AND EARTHMOVING EQUIPMENT COMPONENTS					
GROUP 7474 DRIVE MECHANISM					
FIG. 21 LOWER UNIT DRIVE MECHANISM (VR11C)					
1	AFFFF	33413	22007	LOWER UNIT ASSEMBLY	1
				UOC:VRC	
2	PAFZZ	33413	24373	•PLUG, EXPANSION PIN	2
				UOC:VRC	
3	PFFZZ	33413	21995	•ROD, PISTON	1
				UOC:VRC	
4	PAFZZ	74445	01128	•PIN, STRAIGHT, HEADLE	1
				UOC:VRC	
5	PCFZZ	01212	01-238	•PACKING, PREFORMED	1
				UOC:VRC	
6	PAFZZ	96906	MS16997-78	•SCREW, CAP, SOCKET HE	6
				UOC:VRC	
7	PAFZZ	96906	MS17829-5C	•NUT, SELF-LOCKING, HE	6
				UOC:VRC	
8	PFFZZ	33413	27938	•GUIDE, TUBE, SHORT	2
				UOC:VRC	
9	PFFZZ	33413	27939	•BUSHING, SLEEVE	2
				UOC:VRC	
10	PFFZZ	33413	21989	•HOUSING, LOWER UNIT	1
				UOC:VRC	
11	XDOZZ	80885	A-2890-12	•INDICATOR, SIGHT	1
				UOC:VRC	
12	PFFZZ	33413	28079	•SPACER, BRG TO SPR.....	1
				UOC:VRC	
13	PFFZZ	33413	24375	•SPRING, HELICAL, COMP	1
				UOC:VRC	
14	PFFZZ	33413	26650	•SPRING, HELICAL COMP	2
				UOC:VRC	
15	XDFZZ	33413	24662	•SPACER RING	2
				UOC:VRC	
16	PFFZZ	33413	27521	•RING, PISTON	1
				UOC:VRC	
17	PFFZZ	33413	27522	•PISTON, LINEAR, ACTUA	1
				UOC:VRC	
18	PAFZZ	80205	NAS1021N17	•NUT, SELF-LOCKING, HE	1
				UOC:VRC	
19	PAFZZ	33413	27576	•SPRING, HELICAL, COMP	1
				UOC:VRC	
20	PFFZZ	33413	27577	•SPRING, HELICAL, COMP	1
				UOC:VRC	
21	XDFZZ	01212	01-242	•PACKING, PREFORMED	1
				UOC:VRC	
22	PFFZZ	33413	24310	•PLATE, BASE.....	1
				UOC:VRC	

SECTION II				(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
23	PAFZZ	96906	MS16997-99	•SCREW, CAP, SOCKET HE UOC:VRC	4
24	PFFZZ	33413	27945	•RING, BOOT, DUST SEAL UOC:VRC	2
25	PAFZZ	96906	MS16997-81	SCREW, CAP, SOCKET HE..... UOC:VRC	6
26	PAFZZ	22337	26/W01-358-0023	•BOOT, DUST AND MOIST UOC:VRC	1
27	PFFZZ	33413	24286	•BUSHING, SLEEVE UOC:VRC	1
28	PFFZZ	33413	21988	•GUIDE, TUBE..... UOC:VRC	1
29	PAFZZ	96906	MS16997-97	SCREW, CAP, SOCKET HE..... UOC:VRC	4
30	PAOZZ	96906	MS16997-122	SCREW, CAP, SOCKET HE..... UOC:VRC	6

END OF FIGURE



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FIGURE 22. LOWER UNIT DRIVE MECHANISM (VR11)

SECTION II				(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 7474 DRIVE MECHANISM					
FIG. 22 LOWER UNIT DRIVE MECHANISM (VR11)					
1	PFFZZ	33413	24622	WASHER, FLAT..... UOC:T77	1
2	XDFZZ	33413	24281	BOOT RETAINER	2
3	PFFZZ	33413	24373	DISK, SOLID, PLAIN..... UOC:T77	2
4	XDFZZ	33413	80003	ROD PIN	1
5	PFFZZ	33413	21995	ROD, PISTON LINEAR ACTUATING CYLINDER	1
6	PFFZZ	33413	32025	PACKING, PREFORMED	1
7	PFFZZ	33413	21077	GUIDE TUBE ASSEMBLY..... UOC:T77	1
8	PFFZZ	33413	24286	BUSHING, SLEEVE	1
9	PFFZZ	33413	34083	BOOT, DUST	1
10	XDFZZ	33413	24251	SPRING, LOWER UPPER..... UOC:T77	2
11	PFFZZ	33413	24375	SPRING, HELICAL UPPER, OUTER	1
12	PFFZZ	33413	24289	SLEEVE, BUSHING SPRING HOUSING	1
13	PFFZZ	33413	21078	SPRING, HELICAL HOUSING..... UOC:T77	1
14	XDFZZ	33413	A-2890-12	OIL SIGHT GAGE	1
15	XDFZZ	33413	34086	RETAINING RING..... UOC:T77	1
16	PFFZZ	33413	24320	SHOE, TAMPER	1
17	PFFZZ	33413	24310	PLATE, BASE	1
18	PFFZZ	33413	32033	PREFORMED PACKING	1
19	XDFZZ	33413	24401	SPRING, LOWER INNER	1
20	XDFZZ	33413	24250	SPRING, LOWER OUTER	1
21	XDFZZ	33413	80027	NUT	1
22	PFFZZ	33413	21751	PISTON, TAMPER..... UOC:T77	1

END OF FIGURE

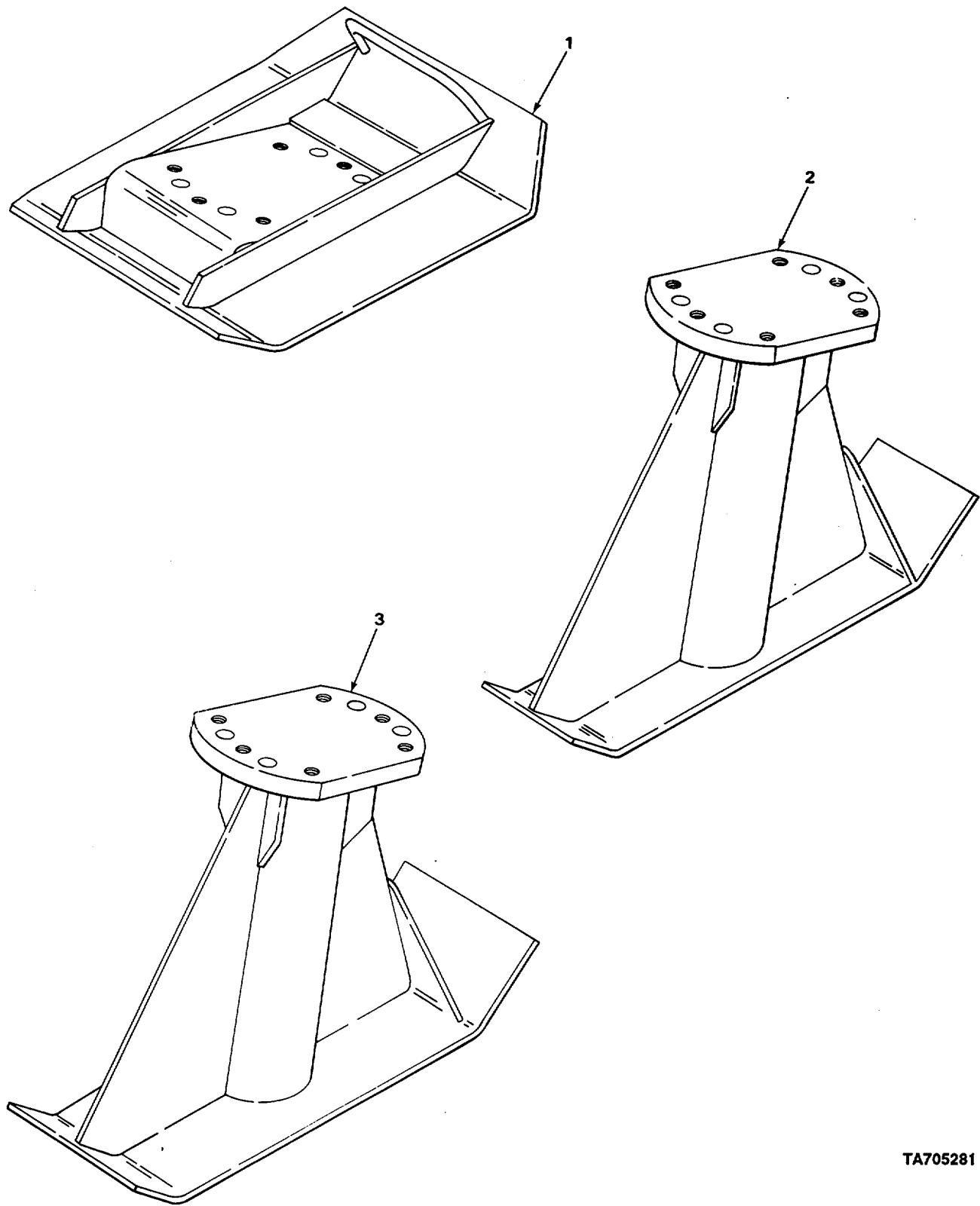


FIGURE 23. SHOE DRIVE MECHANISM

TA705281

SECTION II				(5)	(6)
ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 7474 DRIVE MECHANISM					
FIG. 23 SHOE DRIVE MECHANISM					
1	PFOZZ	33413	22350	SHOE, TAMPER	1
2	PFOZZ	33413	26889	SHOE, TAMPER, 4 INCH ,WITH 14 INCH EXTENSION	1
3	PFOZZ	33413	22148	UOC:VRC SHOE, TAMPER, 6 INCH ,WITH 14 INCH EXTENSION	1
UOC:VRC					

END OF FIGURE

23-1

ITEM NO	(1) SMR CODE	(2) CAGEC	(3)	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
					GROUP 94 REPAIR KITS	
					GROUP 9401 REPAIR KITS	
					FIG. KITS	
PFFZZ 93334 K10009					GASKET AND PREFORMD	1
					UOC:VRC	
					GASKET, COVER (1) 8-35	
					GASKET, DIAPHRAGM (1) 8-43	
					GASKET, FUEL PUMP (1) 8-40	
					PACKING, ADJ SCREW (2) 8-21	
					WASHER, ADJUST SCREW (2) 8-20	
PFFZZ 65254 K10117					PARTS KIT, CARBURETO 1	
					UOC:VRC	
					DIAPHRAGM, FUEL PUMP (1) 8-39	
					DIAPHRAGM (1) 8-42	
					GASKET, COVER (1) 8-35	
					GASKET, DIAPHRAGM (1) 8-43	
					GASKET, INLET SEAT (1) 8-11	
					LEVER, INLET CONTROL (1) 8-14	
					NEEDLE, INLET (1) 8-12	
					PACKING, ADJ SCREW (2) 8-21	
					PLUG, BODY CHANNEL (1) 8-15	
					PLUG, WELCH (1) 8-16	
					SCREW (1) 8-33	
					SCREW ASSEM WASHER (1) 8-28	
					SCREW, MN ADJUSTMENT (1) 8-19	
					SCREW, REGULATING (1) 8-30	
					SPRING, ADJUST SCREW (2) 8-17	
					SPRING, INL TENSION (1) 8-13	
					SPRING, RGLT SCREW (1) 8-31	
					STRAINER, FUEL (1) 8-36	
					WASHER, ADJUST SCREW (2) 8-20	
XDOZZ 33413 35173					GASKET, SET 1	
					UOC:VRC	
					CAPACITOR, FIXED, PAP (1) 15-12	
					COIL ASSEMBLY (1) 15-8	
					CONTACT SET, DISTRIB (1) 15-5	
					SCREW, ASSEM WASHER (1) 15-13	
					SCREW, BREAKER CLAMP (1) 15-19	
					SPRING, BREAKER COV (1) 15-17	
					SPRING, WEDGE, COIL (1) 15-7	
					TERMINAL (1) 15-9	
					GASKET, BEARING CAGE (1) 2-4	
					GASKET, MUFFLER (1) 14-4	
					GASKET, REED PLATE (1) 2-11	
					GASKET, SET (1) 3-10	
					GASKET, SET (1) 3-4	

END OF FIGURE

KITS-1

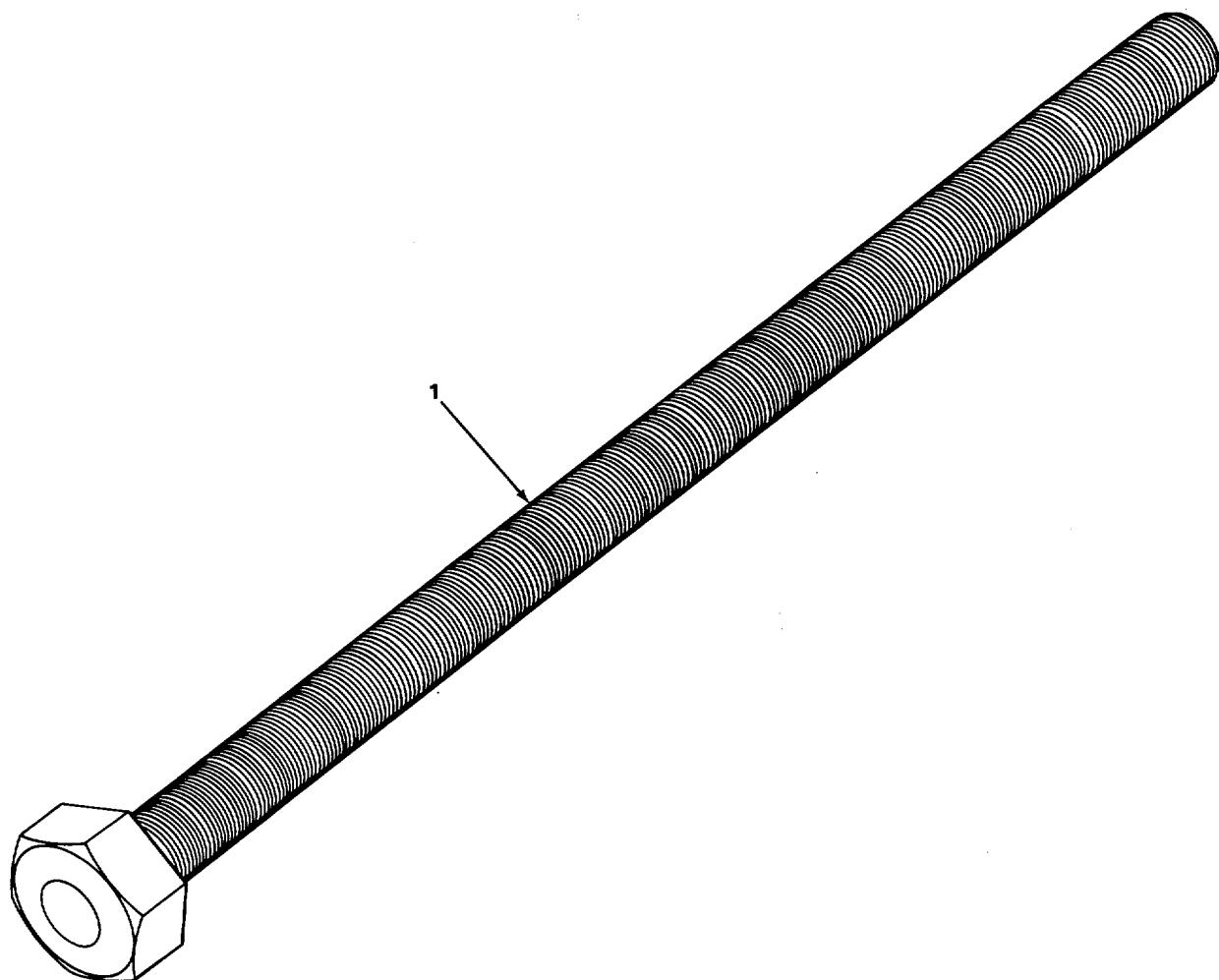
SECTION III**TM 5-3895-360-24P**

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 95 GENERAL USE STANDARDIZED PARTS					
GROUP 9501 BULK MATERIEL					
FIG. BULK HOSE, NONMETALLIC					
END OF FIGURE					
BULK-1					

1 PAOZZ 98441

801-4

V



TA705282

FIGURE 24. SPECIAL TOOLS.

SECTION III**TM 5-3895-360-24P**

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
				GROUP 26 TOOLS AND TEST EQUIPMENT	
				GROUP 2604 SPECIAL TOOLS	
1	XDFZZ	33413	24310T	FIG. 24 SPECIAL TOOLS BOLT, MACHINE UOC:VRC BOI:2 PER LETTERED CO	
				END OF FIGURE	

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CROSS-REFERENCE INDEXES

STOCK NUMBER	FIG.	NATIONAL STOCK NUMBER INDEX ITEM NO.	STOCK NUMBER	FIG.	ITEM NO.
5310-00-045-3296	7	4	5330-01-023-0690	22	6
	10	7	5330-01-023-1862	22	18
5310-00-061-1258	1	7	5330-01-023-1971	1	1
5305-00-071-2241	1	9	5315-01-023-2057	8	3
5310-00-088-0552	15	7	5330-01-023-2486	14	9
3110-00-114-5995	14	5	5330-01-023-6272	1	4
	16	8	2940-01-023-6838	8	1
4730-00-132-6826	7	7	5330-01-023-9772	14	13
5306-00-225-8496	17	3	2940-01-024-0889	8	5
5306-00-226-4826	17	6	3895-01-027-4539	22	22
5306-00-226-4833	1	2	2920-01-032-5748	13	16
4720-00-242-3135	BULK	1	2920-01-034-5419	13	8
5310-00-245-3424	21	7	5910-01-043-7740	13	7
3110-00-277-0418	15	6	2805-01-043-8804	4	2
5310-00-325-1900	21	18	2805-01-044-0699	4	4
5310-00-407-9566	17	2	5330-01-044-2801	2	8
5330-00-489-2971	21	5	2805-01-044-2886	4	3
4720-00-489-5960	7	6	5310-01-064-8787	7	1
3110-00-554-3232	3	3	2805-01-079-8547	1	5
3110-00-555-5380	14	6	7690-01-114-3702	20	8
5310-00-582-5965	1	8	2805-01-169-1386	2	14
	10	2	2805-01-169-1887	2	13
	12	2	2805-01-169-1888	2	5
5310-00-584-5272	17	7	2990-01-169-1889	5	14
5315-00-616-5526	15	4	2990-01-169-1987	5	11
	15	10	5330-01-169-2020	7	9
	16	4	3895-01-169-4946	14	3
5305-00-782-9489	1	6	3895-01-169-4947	21	8
5365-00-803-7303	15	2	5307-01-169-5436	2	7
	16	7	5305-01-169-5437	5	17
5365-00-804-2025	16	2	5305-01-169-5438	5	6
5310-00-809-3079	17	8	4020-01-169-5439	5	15
5315-00-822-0689	14	2	5310-01-169-5440	13	24
5305-00-836-3911	13	19	5305-01-169-5492	6	37
5315-00-839-5821	10	5	5305-01-169-5493	6	6
5340-00-844-4285	9	1	5305-01-169-5494	6	26
4730-00-871-6729	9	8	5310-01-169-5503	6	32
5310-00-891-1798	5	16	5310-01-169-5504	13	26
5310-00-934-9758	10	6	5310-01-169-5508	6	5
4730-00-954-1251	9	5	5310-01-169-5509	13	25
5305-00-978-9392	21	29	5307-01-169-5512	2	15
5305-00-978-9394	21	23	5340-01-169-7074	6	4
5305-00-983-5346	21	6	5340-01-169-7075	9	4
5305-00-983-6622	21	25	5315-01-169-7112	6	25
5305-00-983-6634	21	30	5340-01-169-7197	13	17
5305-00-983-6652	7	5	5340-01-169-7200	17	5
5305-01-010-2363	12	1	5325-01-169-7216	13	2
5330-01-020-8965	2	2	2910-01-169-7359	6	38
5365-01-020-9342	4	1	2910-01-169-7360	6	41
2910-01-022-7773	11	1	2910-01-169-7361	6	7

CROSS-REFERENCE INDEXES

STOCK NUMBER	FIG.	NATIONAL STOCK NUMBER INDEX ITEM NO.	STOCK NUMBER	FIG.	ITEM NO.
2990-01-169-7695	4	2	5310-01-170-8521	6	18
2910-01-169-7696	6	34	3010-01-170-9249	15	9
5305-01-169-7697	6	22	2910-01-170-9805	6	2
2910-01-169-7698	6	29	3895-01-170-9806	14	12
2910-01-169-7699	6	44	3040-01-170-9807	15	1
2910-01-169-7700	6	24	3040-01-170-9808	22	16
2910-01-169-7701	6	9		23	1
2805-01-169-7702	13	1	3040-01-170-9809	23	2
2805-01-169-7704	3	1	2805-01-170-9837	16	9
5930-01-169-8655	13	27	5315-01-171-0377	13	23
5995-01-169-8657	13	4	5360-01-171-0417	6	10
2920-01-169-8706	13	3	5360-01-171-0422	6	23
2920-01-169-8707	13	9	5330-01-171-0435	KITS	
2920-01-169-8708	13	14	5330-01-171-0436	13	20
5340-01-169-8709	7	2	5310-01-171-0451	5	3
2805-01-169-8734	13	22	5305-01-171-0542	4	7
2990-01-169-8758	12	3	5315-01-171-0761	21	4
3120-01-169-9091	2	6	5360-01-171-1043	21	20
3110-01-169-9092	4	5	5360-01-171-1044	21	14
5360-01-169-9093	5	10	5360-01-171-1045	21	19
5305-01-169-9094	6	46	5360-01-171-1046	21	13
5360-01-169-9270	5	8		22	11
5330-01-169-9276	6	27	5340-01-171-1081	21	2
3120-01-169-9296	6	3		22	3
2910-01-169-9676	9	9	3020-01-171-2128	15	3
2805-01-169-9737	2	11		16	6
2805-01-169-9750	2	1	5305-01-171-3598	2	3
2910-01-169-9788	6	1	5305-01-171-3599	6	8
2805-01-169-9812	4	6	2990-01-111-4484	5	5
3895-01-170-0815	1	3	5305-01-171-5302	2	12
3040-01-170-0816	15	5	5305-01-171-5303	2	17
3895-01-170-0817	21	22	5305-01-171-5304	2	9
	22	17	2910-01-171-7342	9	2
5365-01-170-0818	21	12	5365-01-171-8027	3	2
3895-01-170-0819	21	24	2910-01-171-8842	17	4
3895-01-170-0820	21	28	4730-01-171-9502	7	8
3895-01-170-0821	21	10	4310-01-171-9504	21	16
3040-01-170-0822	23	3	5310-01-172-0943	6	45
3020-01-170-0832	16	3	5340-01-172-5749	22	9
3020-01-170-1433	5	12	5365-01-174-2961	15	11
5365-01-170-3124	3	4	5310-01-175-0612	2	16
2920-01-170-3969	13	18	5365-01-175-9325	15	8
2990-01-170-3979	10	4	5340-01-176-7499	10	1
2990-01-170-4727	5	7		11	2
2990-01-170-4728	5	9	5305-01-183-1479	14	8
3895-01-170-5390	14	4		14	11
3120-01-170-6349	16	10	5340-01-183-6934	14	7
3895-01-170-7074	14	10	5305-01-188-1136	14	14
3895-01-170-7075	17	1	2990-01-192-7812	5	1
3895-01-170-7076	21	17	2920-01-197-7220	13	21

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

STOCK NUMBER	FIG.	ITEM NO.	STOCK NUMBER	FIG.	ITEM NO.
5340-01-198-1094	21	26			
3040-01-213-1130	21	3			
	22	5			
2910-01-220-5682	KITS				
5340-01-222-8996	18	2			
3040-01-223-0575	16	5			
5340-01-237-2742	10	3			
4710-01-245-6920	22	7			
3120-01-248-1421	21	27			
	22	8			
3120-01-249-9571	22	12			
3120-01-301-1864	21	9			

CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
80885	A-2890-12		21	11
			22	14
81321	AFP79		7	3
93334	A130260	2805-01-044-2886	4	3
93334	A237010	2805-01-169-9750	2	1
93334	A248596-3	2805-01-169-7702	13	1
93334	A249038	2805-01-169-1888	2	5
93334	A250132	2990-01-169-1987	5	11
33413	A27395-4		20	10
93334	A2761018	2805-01-169-7704	3	1
93334	A2770589	2910-01-169-7699	6	44
93334	A2775158	2805-01-169-9737	2	11
93334	A36016-4	2805-01-169-9812	4	6
06504	CAA-2W/125-11	2940-01-023-6838	8	1
76005	J8350-117		18	3
93334	K10009	5330-01-171-0435	KITS	
65254	K10117	2910-01-220-5682	KITS	
93334	K1038-1	2990-01-192-7812	5	1
93334	K12368		13	11
93334	K2788061-3	2910-01-169-97883	6	1
93334	K750-2		13	12
96906	MS16555-46	5315-00-822-0689	14	2
96906	MS16624-1075	5365-00-803-7303	15	2
			16	7
96906	MS16624-1087	5365-00-804-2025	16	2
96906	MS16997-122	5305-00-983-6634	21	30
96906	MS16997-78	5305-00-983-5346	21	6
96906	MS16997-81	5305-00-983-6622	21	25
96906	MS16997-97	5305-00-978-9392	21	29
96906	MS16997-99	5305-00-978-9394	21	23
96906	MS16998-29	5305-00-983-6652	7	5
96906	MS17829-5C	5310-00-245-3424	21	7
96906	MS21044N7	5310-00-088-0552	15	7
96906	MS24665-351	5315-00-839-5821	10	5
96906	MS27183-19	5310-00-809-3079	17	8
96906	MS35338-43	5310-00-045-3296	7	4
			10	7
96906	M535338-44	5310-00-582-5965	1	8
			10	2
			12	2
96906	MS35338-45	5310-00-407-9566	17	2
96906	MS35338-48	5310-00-584-5272	17	7
96906	MS35425-70	5310-01-064-8787	7	1
96906	MS35649-202	5310-00-934-9758	10	6
96906	MS35691-31	5310-00-891-1798	5	16
96906	MS35756-8	5315-00-616-5526	15	4
			15	10
			16	4
96906	MS45904-76	5310-00-061-1258	1	7
96906	MS51107-12	5305-01-010-2363	12	1
96906	MS90725-10	5305-00-071-2241	1	9

CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
96906	MS90725-31	5306-00-225-8496	17	3
96906	MS90728	5306-00-226-4826	17	6
96906	MS90728-40	5306-00-226-4833	1	2
96906	MS90728-66	5305-00-782-9489	1	6
70436	MT-158-3	5340-01-176-7499	10	1
			11	2
80205	NAS1021N17	5310-00-325-1900	21	18
28172	R2056002	3010-01-170-9249	15	9
33413	SN-17C		20	1
33413	SN-43A		20	2
33413	SN-46A		20	4
33413	SN-47		20	3
33413	SN-69		20	7
33413	SN-85		20	5
33413	SN-9		20	6
14242	T4003-75-525-S		9	3
11583	UJ-11G	2920-01-032-5748	13	16
01212	01-238	5330-00-489-2971	21	5
01212	01-242		21	21
93334	010098		6	37
93334	010165		6	11
93334	010280	5305-01-171-3599	6	8
93334	010404	5310-01-169-5503	6	32
93334	010513		6	14
93334	010527	2910-01-169-7696	6	34
93334	010529		6	35
93334	010530		6	36
93334	010531T		6	39
93334	010571		6	33
93334	010581		6	25
93334	010588		6	15
93334	010779	2910-01-169-7700	6	24
93334	011275	5360-01-171-0422	6	23
74445	01128	5315-01-171-0761	21	4
93334	011401		6	21
93334	011428		6	20
93334	011498	5305-01-169-7697	6	22
93334	011503		6	13
93334	011751		6	19
93334	012473		6	43
93334	012475		6	42
93334	012698		6	39
93334	012930		6	40
93334	013269	5305-01-169-5494	6	26
93334	013406	5315-01-169-7112	6	25
93334	013569	3120-01-169-9296	6	3
93334	013572	2910-01-170-9805	6	2
93334	014020		6	14
93334	018028		6	12
93334	018031	5305-01-169-5492	6	37
93334	018032	2910-01-169-7360	6	41

CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX	FIG.	ITEM
		STOCK NUMBER		
93334	018033	2910-01-169-7359	6	38
93334	01974	5305-01-169-5493	6	6
93334	02232		6	26
93334	02531		6	16
93334	04784	2910-01-169-7701	6	9
93334	04920	5310-01-170-8521	6	18
93334	05095		6	30
93334	05454		6	9
93334	0788		6	31
93334	08646	2910-01-169-7698	6	29
93334	08793		6	17
93334	08805	5360-01-171-0417	6	10
93334	08942		6	28
93334	09626	2910-01-169-7361	6	7
93334	09678	5340-01-169-7074	6	4
93334	0992	5310-01-169-5508	6	5
17489	10066	5340-01-169-7075	9	4
93736	1115-S	5340-01-237-2742	10	3
70485	1178-2	5340-00-844-4285	9	1
93334	12083		13	6
93334	12090		13	15
93334	12130		13	10
93334	12131	2920-01-034-5419	13	8
93334	12133	2920-01-169-8706	13	3
93334	12188	5910-01-043-7740	13	7
93334	12227	2920-01-169-8707	13	9
93334	12242		13	13
93334	12244	5315-01-171-0377	13	23
19207	12296626	7690-01-114-3702	20	8
93334	12321	2920-01-169-8708	13	14
33413	125-11	2940-01-024-0889	8	5
93334	127910-2	3110-00-554-3232	3	3
33413	1293		20	9
93334	1457	5305-00-836-3911	13	19
93334	1459	5305-01-171-3598	2	3
93334	1472	5305-01-171-5303	2	17
93334	1490	5310-01-175-0612	2	16
93334	15583-1	2990-01-169-1889	5	14
93334	15584		5	13
93334	15585	4020-01-169-5439	5	15
93334	15603	2990-01-171-4484	5	5
93334	15604	2990-01-170-4727	5	7
65254	15605	5360-01-169-9093	5	10
93334	15606	3020-01-170-1433	5	12
76700	16974-N	2990-01-169-8758	12	3
93334	1733	5305-01-169-9094	6	46
93334	1755	5305-01-171-5302	2	12
93334	175906	5330-01-169-9276	6	27
93334	19209-2	5307-01-169-5512	2	15
93334	2A237228	3110-01-169-9092	4	5
93334	2003	5305-01-171-5304	2	9

CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
33413	21077	4710-01-245-6920	22	7
33413	21078		22	13
33413	21517		19	1
33413	21528	3895-01-169-4946	14	3
33413	21556	2910-01-022-7773	11	1
33413	21584		14	1
33413	21585	3040-01-170-9807	15	1
33413	21590		16	1
33413	21751	3895-01-027-4539	22	22
33413	21988	3895-01-170-0820	21	28
33413	21989	3895-01-170-0821	21	10
33413	21995	3040-01-213-1130	21	3
			22	5
33413	22007		21	1
33413	22070	5340-01-169-7200	17	5
33413	22148	3040-01-170-0822	23	3
33413	22350	3040-01-170-9808	23	1
33413	22456-2	3895-01-170-7075	17	1
87308	2312165012010Z00	5305-01-188-1136	14	14
52845	231855	5340-01-169-8709	7	2
93334	237456-1	2990-01-169-7695	4	2
93334	241907	5995-01-169-8657	13	4
33413	24248	3895-01-170-9806	14	12
33413	24249	3895-01-170-5390	14	4
33413	24250		22	20
33413	24251		22	10
33413	24281		22	2
33413	24286	3120-01-248-1421	21	27
			22	8
33413	24289	3120-01-249-9571	22	12
33413	24291	5330-01-023-9772	14	13
33413	24292	5330-01-023-2486	14	9
33413	24297	3120-01-170-6349	16	10
33413	24300	3040-01-170-0816	15	5
33413	24305	5365-01-175-9325	15	8
33413	24306	5365-01-174-2961	15	11
33413	24310	3895-01-170-0817	21	22
			22	17
33413	24310T		24	1
33413	24315		18	1
33413	24316		18	4
33413	24320	3040-01-170-9803	22	16
33413	24325	5330-01-023-6272	1	4
33413	24373	5340-01-171-1081	21	2
			22	3
33413	24375	5360-01-171-1046	21	13
			22	11
33413	24376	3895-01-170-0815	1	3
33413	24394	5330-01-023-1971	1	1
33413	24401		22	19
33413	24622		22	1

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CAGEC	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
33413	24662		21	15
93334	248063		5	4
93334	248449-1	5930-01-169-8655	13	27
65254	248840	5325-01-169-7216	13	2
93334	249277-1		2	4
93334	250003	5360-01-169-9270	5	8
93334	250421	2990-01-170-4728	5	9
93334	250751-1	5305-01-169-5438	5	6
93334	252836	5330-01-169-2020	7	9
93334	257015	2805-01-044-0699	4	4
93334	257751	5305-01-169-5437	5	17
22337	26/W01-358-0023	5340-01-198-1094	21	26
93334	260446	5340-01-169-7197	13	17
24161	26440	4720-00-489-5960	7	6
33413	26650	5360-01-171-1044	21	14
33413	26763	3020-01-171-2128	15	3
			16	6
33413	26889	3040-01-170-9809	23	2
33413	26920	3040-01-223-0575	16	5
33413	26921	3020-01-170-0832	16	3
33413	26923	5315-01-023-2057	8	3
33413	26924	2805-01-170-9837	16	9
33413	26935		1	10
93334	27095-1		13	5
93334	27097-1	2805-01-169-8734	13	22
33413	27114	3895-01-170-7074	14	10
33413	27158		11	3
		5340-01-183-6934	14	7
93334	27160	2805-01-169-1886	2	14
93334	27161	2805-01-169-1887	2	13
93334	27279		12	4
33413	27521	4310-01-171-9504	21	16
33413	27522	3895-01-170-7076	21	17
33413	27576	5360-01-171-1045	21	19
33413	27577	5360-01-171-1043	21	20
93334	2770159-2		2	10
93334	2770410	5365-01-170-3124	3	4
65254	2775595	5310-01-169-5504	13	26
93334	2788004	5307-01-169-5436	2	7
33413	27938	3895-01-169-4947	21	8
33413	27939	3120-01-301-1864	21	9
33413	27945	3895-01-170-0819	21	24
33413	27950	2910-01-171-8842	17	4
33413	27950-2	5340-01-222-8996	18	2
33413	28079	5365-01-170-0818	21	12
93334	30002	2920-01-170-3969	13	18
93334	30029	2920-01-197-7220	13	21
93334	30031	5330-01-171-0436	13	20
93334	30146	5330-01-044-2801	2	8
93334	30410	5365-01-171-8027	3	2
93334	31013	3120-01-169-9091	2	6

CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
93334	31146	5330-01-020-8965	2	2
93334	31410	5365-01-020-9342	4	1
33413	32025	5330-01-023-0690	22	6
33413	32033	5330-01-023-1862	22	18
33413	34083	5340-01-172-5749	22	9
33413	34086		22	15
33413	34710	2990-01-170-3979	10	4
33413	34803		8	2
33413	34804		8	4
33413	35173		KITS	
33413	35220	4730-01-171-9502	7	8
62789	3604	4730-00-871-6729	9	8
93334	36634	5305-01-171-0542	4	7
62644	401A		9	7
00165	448	2910-01-171-7342	9	2
33413	47011		9	1
59199	5008	4730-00-954-1251	9	5
43334	55503X1E9	3110-00-555-5380	14	6
65254	58037	2805-01-079-8547	1	5
00165	619	2910-01-169-9676	9	9
62789	62032	4730-00-132-6826	7	7
52676	6303-2RS	3110-00-114-5995	14	5
			16	8
63092	6304-2RS	3110-00-277-0418	15	6
93334	7008	5310-01-169-5440	13	24
93334	7011	5310-01-172-0943	6	45
65254	7017	2805-01-043-8804	4	2
33413	80003		22	4
33413	80027		22	21
98441	801-4	4720-00-242-3135	BULK	1
98441	801-4-XX		9	6
93334	8067	5310-01-171-0451	5	3
93334	8083	5310-01-169-5509	13	25
87308	90321831000102A0	5305-01-183-1479	14	8
			14	11

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FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	CAGEC	
BULK KITS	1	4720-00-242-3135	98441	801-4
KITS			33413	35173
KITS		2910-01-220-5682	65254	K10117
KITS		5330-01-171-0435	93334	K10009
1	1	5330-01-023-1971	33413	24394
1	2	5306-00-226-4833	96906	MS90728-40
1	3	3895-01-170-0815	33413	24376
1	4	5330-01-023-6272	33413	24325
1	5	2805-01-079-8547	65254	58037
1	6	5305-00-782-9489	96906	MS90728-66
1	7	5310-00-061-1258	96906	MS45904-76
1	8	5310-00-582-5965	96906	MS35338-44
1	9	5305-00-071-2241	96906	MS90725-10
1	10		33413	26935
2	1	2805-01-169-9750	93334	A237010
2	2	5330-01-020-8965	93334	31146
2	3	5305-01-171-3598	93334	1459
2	4		93334	249277-1
2	5	2805-01-169-1888	93334	A249038
2	6	3120-01-169-9091	93334	31013
2	7	5307-01-169-5436	93334	2788004
2	8	5330-01-044-2801	93334	30146
2	9	5305-01-171-5304	93334	2003
2	10		93334	2770159-2
2	11	2805-01-169-9737	93334	A2775158
2	12	5305-01-171-5302	93334	1755
2	13	2805-01-169-1887	93334	27161
2	14	2805-01-169-1886	93334	27160
2	15	5307-01-169-5512	93334	19209-2
2	16	5310-01-175-0612	93334	1490
2	17	5305-01-171-5303	93334	1472
3	1	2805-01-169-7704	93334	A2761018
3	2	5365-01-171-8027	93334	30410
3	3	3110-00-554-3232	93334	1217910-2
3	4	5365-01-170-3124	93334	2770410
4	1	5365-01-020-9342	93334	31410
4	2	2805-01-043-8804	65254	7017
4	2	2990-01-169-7695	93334	237456-1
4	3	2805-01-044-2886	93334	A130260
4	4	2805-01-044-0699	93334	257015
4	5	3110-01-169-9092	93334	2A237228
4	6	2805-01-169-9812	93334	A36016-4
4	7	5305-01-171-0542	93334	36634
5	1	2990-01-192-7812	93334	K1038-1
5	3	5310-01-171-0451	93334	8067
5	4		93334	248063
5	5	2990-01-171-4484	93334	15603
5	6	5305-01-169-5438	93334	250751-1
5	7	2990-01-170-4727	93334	15604
5	8	5360-01-169-9270	93334	250003
5	9	2990-01-170-4728	93334	250421

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FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	CAGEC	
5	10	5360-01-169-9093	65254	15605
5	11	2990-01-169-1987	93334	A250132
5	12	3020-01-170-1433	93334	15606
5	13		93334	15584
5	14	2990-01-169-1889	93334	15583-1
5	15	4020-01-169-5439	93334	15585
5	16	5310-00-891-1798	96906	MS35691-31
5	17	5305-01-169-5437	93334	257751
6	1	2910-01-169-9788	93334	K2788061-3
6	2	2910-01-170-9805	93334	013572
6	3	3120-01-169-9296	93334	013569
6	4	5340-01-169-7074	93334	09678
6	5	5310-01-169-5508	93334	0992
6	6	5305-01-169-5493	93334	01974
6	7	2910-01-169-7361	93334	09626
6	8	5305-01-171-3599	93334	010280
6	9		93334	05454
6	9	2910-01-169-7701	93334	04784
6	10	5360-01-171-0417	93334	08805
6	11		93334	010165
6	12		93334	018028
6	13		93334	011503
6	14		93334	010513
6	14		93334	014020
6	15		93334	010588
6	16		93334	02531
6	17		93334	08793
6	18	5310-01-170-8521	93334	04920
6	19		93334	011751
6	20		93334	011428
6	21		93334	011401
6	22	5305-01-169-7697	93334	011498
6	23	5360-01-171-0422	93334	011275
6	24	2910-01-169-7700	93334	010779
6	25		93334	010581
6	25	5315-01-169-7112	93334	013406
6	26		93334	02232
6	25	5305-01-169-5494	93334	013269
6	27	5330-01-169-9276	93334	175906
6	28		93334	08942
6	29	2910-01-169-7698	93334	08646
6	30		93334	05095
6	31		93334	0788
6	32	5310-01-169-5503	93334	010404
6	33		93334	010571
6	34	2910-01-169-7696	93334	010527
6	35		93334	010529
6	36		93334	010530
6	37		93334	010098
6	37	5305-01-169-5492	93334	018031
6	38	2910-01-169-7359	93334	018033

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FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		
		STOCK NUMBER	CAGEC	
6	39		93334	010531T
6	39		93334	012698
6	40		93334	012930
6	41	2910-01-169-7360	93334	018032
6	42		93334	012475
6	43		93334	012473
6	44	2910-01-169-7699	93334	A2770589
6	45	5310-01-172-0943	93334	7011
6	46	5305-01-169-9094	93334	1733
7	1	5310-01-064-8787	96906	MS35425-70
7	2	5340-01-169-8709	52845	231855
7	3		81321	AFP79
7	4	5310-00-045-3296	96906	MS35338-43
7	5	5305-00-983-6652	96906	MS16998-29
7	6	4720-00-489-5960	24161	26440
7	7	4730-00-132-6826	62789	62032
7	8	4730-01-171-9502	33413	35220
7	9	5330-01-169-2020	93334	252836
8	1	2940-01-023-6438	06504	CAA-2W/125-11
8	2		33413	34803
8	3	5315-01-023-2057	33413	26923
8	4		33413	34804
8	5	2940-01-024-0889	33413	125-11
9	1		33413	47311
9	1	5340-00-844-4285	73485	1178-2
9	2	2910-01-171-7342	00165	448
9	3		14242	T4003-75-525-S
9	4	5340-01-169-7075	17489	10066
9	5	4730-00-954-1251	59199	5008
9	5		98441	801-4-XX
9	7		62644	401A
9	8	4730-00-871-6729	62789	3604
9	9	2910-01-169-9676	00165	619
10	1	5340-01-176-7499	70436	MT-158-3
10	2	5310-00-582-5965	96906	MS35338-44
10	3	5340-01-237-2742	93736	1115-S
10	4	2990-01-170-3979	33413	34710
10	5	5315-00-839-5821	96906	MS24665-351
10	6	5310-00-934-9758	96906	MS35649-202
10	7	5310-00-045-3296	96906	MS35338-43
11	1	2910-01-022-7773	33413	21556
11	2	5340-01-176-7499	70436	MT-158-3
11	3		33413	27158
12	1	5305-01-010-2363	96906	MS51107-12
12	2	5310-00-582-5965	96906	MS35338-44
12	3	2990-01-169-8758	76700	16974-N
12	4		93334	27279
13	1	2805-01-169-7702	93334	A248596-3
13	2	5325-01-169-7216	65254	248840
13	3	2920-01-169-8706	93334	12133
13	4	5995-01-169-8657	93334	241907

CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		
		STOCK NUMBER	CAGEC	
13	5		93334	27095-1
13	6		93334	12083
13	7	5910-01-043-7740	93334	12188
13	8	2920-01-034-5419	93334	12131
13	9	2920-01-169-8707	93334	12227
13	10		93334	12130
13	11		93334	K12368
13	12		93334	K750-2
13	13		93334	12242
13	14	2920-01-169-8703	93334	12321
13	15		93334	12090
13	16	2920-01-032-5748	11583	UJ-11G
13	17	5340-01-169-7197	93334	260446
13	18	2920-01-170-3969	93334	30002
13	19	5305-00-836-3911	93334	1457
13	20	5330-01-171-0436	93334	30031
13	21	2920-01-197-7220	93334	30029
13	22	2805-01-169-8734	93334	27097-1
13	23	5315-01-171-0377	93334	12244
13	24	5310-01-169-5440	93334	7008
13	25	5310-01-169-5509	93334	8083
13	26	5310-01-169-5504	65254	2775595
13	27	5930-01-169-8655	93334	248449-1
14	1		33413	21584
14	2	5315-00-822-0689	96906	MS16555-46
14	3	3895-01-169-4946	33413	21528
14	4	3895-01-170-5390	33413	24249
14	5	3110-00-114-5995	52676	6303-2RS
14	6	3110-00-555-5383	43334	55503X1E9
14	7	5340-01-183-6934	33413	27158
14	8	5305-01-183-1479	87308	9032183100010ZA0
14	9	5330-01-023-2486	33413	24292
14	10	3895-01-170-7074	33413	27114
14	11	5305-01-183-1479	87308	9032183100010ZA0
14	12	3895-01-170-9806	33413	24248
14	13	5330-01-023-9772	33413	24291
14	14	5305-01-188-1136	87308	2312165012010Z00
15	1	3040-01-170-9307	33413	21585
15	2	5365-00-803-7303	96906	MS16624-1075
15	3	3020-01-171-2128	33413	26763
15	4	5315-00-616-5526	96906	MS35756-3
15	5	3040-01-170-0816	33413	24300
15	6	3110-00-277-0418	63092	6304-2RS
15	7	5310-00-088-0552	96906	MS21044N7
15	3	5365-01-175-9325	33413	24305
15	9	3010-01-170-9249	28172	R2056002
15	10	5315-00-616-5526	96906	MS35756-8
15	11	5365-01-174-2961	33413	24306
16	1		33413	21590
16	2	5365-00-804-2025	96906	MS16624-1087
16	3	3020-01-170-0832	33413	26921

CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
16	4	5315-00-616-5526	96906	MS35756-8
16	5	3040-01-223-0575	33413	26920
16	6	3020-01-171-2128	33413	26763
16	7	5365-00-803-7303	96906	MS16624-1075
16	8	3110-00-114-5995	52676	6303-2RS
16	9	2805-01-170-9837	33413	26924
16	10	3120-01-170-6349	33413	24297
17	1	3895-01-170-7075	33413	22456-2
17	2	5310-00-407-9566	96906	MS35338-45
17	3	5306-00-225-8496	96906	MS90725-31
17	4	2910-01-171-8842	33413	27950
17	5	5340-01-169-7200	33413	22070
17	6	5306-00-226-4826	96906	MS90728
17	7	5310-00-584-5272	96906	MS35338-48
17	8	5310-00-809-3079	96906	MS27183-19
18	1		33413	24315
18	2	5340-01-222-8996	33413	27950-2
18	3		76005	J8350-117
18	4		33413	24316
19	1		33413	21517
20	1		33413	SN-17C
20	2		33413	SN-43A
20	3		33413	SN-47
20	4		33413	SN-46A
20	5		33413	SN-85
20	6		33413	SN-9
20	7		33413	SN-69
20	8	7690-01-114-3702	19207	12296626
20	9		33413	1293
20	10		33413	A27395-4
21	1		33413	22007
21	2	5340-01-171-1081	33413	24373
21	3	3040-01-213-1130	33413	21995
21	4	5315-01-171-0761	74445	01128
21	5	5330-00-489-2971	01212	01-238
21	6	5305-00-983-5346	96906	MS16997-78
21	7	5310-00-245-3424	96906	MS17829-5C
21	8	3895-01-169-4947	33413	27938
21	9	3120-01-301-1864	33413	27939
21	10	3895-01-170-0821	33413	21989
21	11		80885	A-2890-12
21	12	5365-01-170-0818	33413	28079
21	13	5360-01-171-1046	33413	24375
21	14	5360-01-171-1044	33413	26650
21	15		33413	24662
21	16	4310-01-171-9504	33413	27521
21	17	3895-01-170-7076	33413	27522
21	18	5310-00-325-1900	80205	NAS1021N17
21	19	5360-01-171-1045	33413	27576
21	20	5360-01-171-1043	33413	27577
21	21		01212	01-242

CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		
		STOCK NUMBER	CAGEC	
21	22	3895-01-170-0817	33413	24310
21	23	5305-00-978-9394	96906	MS16997-99
21	24	3895-01-170-0819	33413	27945
21	25	5305-00-983-6622	96906	MS16997-81
21	26	5340-01-198-1094	22337	26/W01-358-0023
21	27	3120-01-248-1421	33413	24286
21	28	3895-01-170-0820	33413	21988
21	29	5305-00-978-9392	96906	MS16997-97
21	30	5305-00-983-6634	96906	MS16997-122
22	1		33413	24622
22	2		33413	24281
22	3	5340-01-171-1081	33413	24373
22	4		33413	80003
22	5	3040-01-213-1130	33413	21995
22	6	5330-01-023-0690	33413	32025
22	7	4710-01-245-6920	33413	21077
22	8	3120-01-248-1421	33413	24286
22	9	5340-01-172-5749	33413	34083
22	10		33413	24251
22	11	5360-01-171-1046	33413	24375
22	12	3120-01-249-9571	33413	24289
22	13		33413	21078
22	14		33413	A-2890-12
22	15		33413	34086
22	16	3040-01-170-9808	33413	24320
22	17	3895-01-170-0817	33413	24310
22	18	5330-01-023-1862	33413	32033
22	19		33413	24401
22	20		33413	24250
22	21		33413	80027
22	22	3895-01-027-4539	33413	21751
23	1	3040-01-170-9808	33413	22350
23	2	3040-01-170-9809	33413	26889
23	3	3040-01-170-0822	33413	22148
24	1		33413	24310T

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THE METRIC SYSTEM AND EQUIVALENTS

WEAR MEASURE

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

WEIGHTS

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

LIQUID MEASURE

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

SQUARE MEASURE

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

CUBIC MEASURE

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

TEMPERATURE

$5/9(F - 32) = ^\circ C$
 212° Fahrenheit is equivalent to 100° Celsius

90° Fahrenheit is equivalent to 32.2° Celsius

32° Fahrenheit is equivalent to 0° Celsius

$9/5C + 32 = ^\circ F$

APPROXIMATE CONVERSION FACTORS

TO CHANGE

Inches.....
 Feet.....
 Yards.....
 Miles.....
 Square Inches.....
 Square Feet.....
 Square Yards.....
 Square Miles.....
 Acres.....
 Cubic Feet.....
 Cubic Yards.....
 Fluid Ounces.....
 nts.....
 arts.....
 allons.....
 Ounces.....
 Pounds.....
 Short Tons.....
 Pound-Feet.....
 Pounds per Square Inch.....
 Miles per Gallon.....
 Miles per Hour.....

TO

Centimeters.....
 Meters.....
 Meters.....
 Kilometers.....
 Square Centimeters.....
 Square Meters.....
 Square Meters.....
 Square Kilometers.....
 Square Hectometers.....
 Cubic Meters.....
 Cubic Meters.....
 Milliliters.....
 Liters.....
 Liters.....
 Liters.....
 Grams.....
 Kilograms.....
 Metric Tons.....
 Newton-Meters.....
 Kilopascals.....
 Kilometers per Liter.....
 Kilometers per Hour.....

MULTIPLY BY

2.540
 0.305
 0.914
 1.609
 6.451
 0.093
 0.836
 2.590
 0.405
 0.028
 0.765
 29.573
 0.473
 0.946
 3.785
 28.349
 0.454
 0.907
 1.356
 6.895
 0.425
 1.609

TO CHANGE

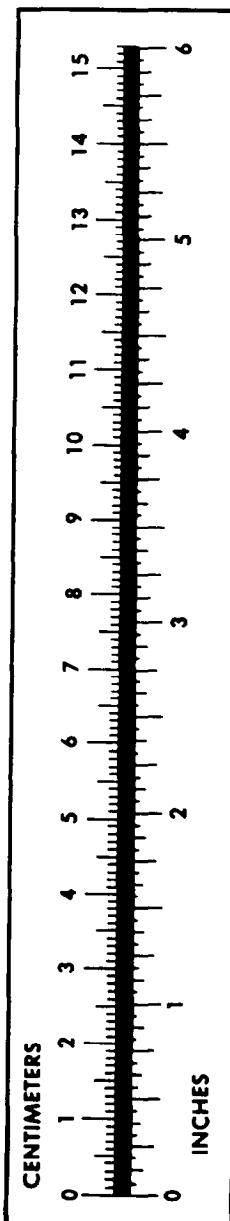
Centimeters.....
 Meters.....
 Meters.....
 Kilometers.....
 Square Centimeters.....
 Square Meters.....
 Square Meters.....
 Square Kilometers.....
 Square Hectometers.....
 Cubic Meters.....
 Cubic Meters.....
 Milliliters.....
 Liters.....
 Liters.....
 ers.....
 ms.....
 ograms.....
 Metric Tons.....
 Newton-Meters.....
 Kilopascals.....
 Kilometers per Liter.....
 Kilometers per Hour.....

TO

Inches.....
 Feet.....
 Yards.....
 Miles.....
 Square Inches.....
 Square Feet.....
 Square Yards.....
 Square Miles.....
 Acres.....
 Cubic Feet.....
 Cubic Yards.....
 Fluid Ounces.....
 Pints.....
 Quarts.....
 Gallons.....
 Ounces.....
 Pounds.....
 Short Tons.....
 Pounds-Feet.....
 Pounds per Square Inch.....
 Miles per Gallon.....
 Miles per Hour.....

MULTIPLY BY

0.394
 3.280
 1.094
 0.621
 0.155
 10.764
 1.196
 0.386
 2.471
 35.315
 1.308
 0.034
 2.113
 1.057
 0.264
 0.035
 2.205
 1.102
 0.738
 0.145
 2.354
 0.621



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