

TECHNICAL MANUAL

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

**MIXER, ROTARY TILLER,
SELF-PROPELLED,
REXWORKS MODEL HDS-3
NSN 3895-01-141-0882**

This manual supersedes the Repair Parts and Special Tools List Portion of TM 5-3895-359-14&P, dated 20 August, 1985

Approved for Public Release; Distribution is Unlimited

**HEADQUARTERS, DEPARTMENT OF THE ARMY
29 APRIL 1989**

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Current as of 27 JANUARY, 1989.

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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to: Commander, U.S. Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI 48090. A reply will be furnished to you.

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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 organizational, direct support, and general support maintenance of the Rotary Tiller Mixer. 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 RPSTL is divided into the following sections:

a. **Section II. Repair Parts List.** A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Bulk materials are listed in item name sequence. Repair parts kits are listed separately in their own functional group within Section II. Repair parts for reparable 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 the 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, FSCM or CAGE, and part numbers.

3. **Explanation Of Columns.** The following provides an explanation of columns found in the tabular listings of both Section II, Repair Parts and Special Tools List and Section III, Special Tools List.

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

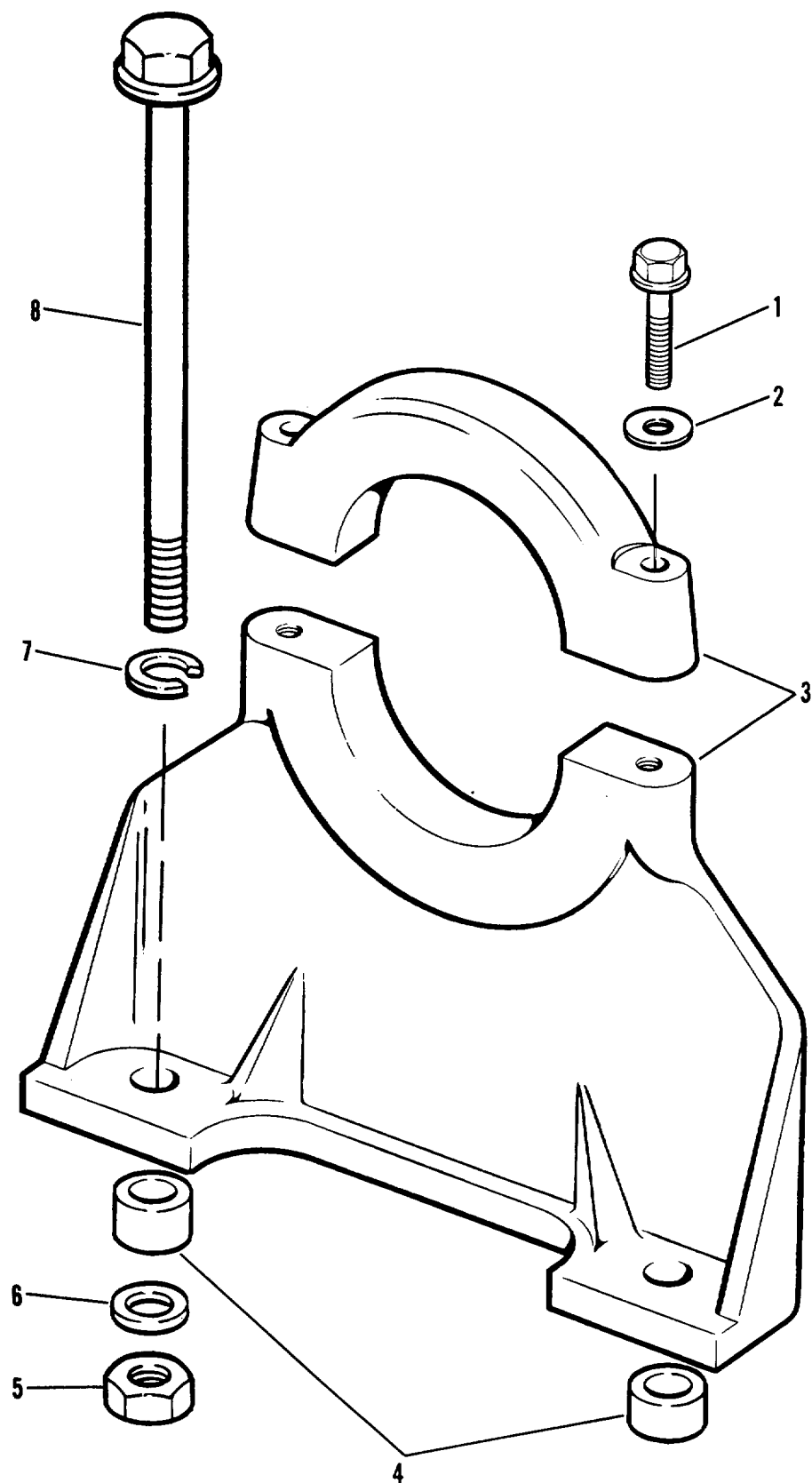


Figure 1. Front Engine Support

SECTION II

TM 5-3895-359-24P
C01

(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 FRONT ENGINE SUPPORT					
1	PFFZZ	96906	MS90728-92	SCREW, CAP, HEXAGON H.....	2
2	PFFZZ	96906	MS35338-47	WASHER, LOCK	2
3	PFFZZ	72582	5186647	SUPPORT, ENGINE, FRON.....	1
4	PFFZZ	61361	102-1472-1	SPACER, SLEEVE	2
5	PFFZZ	96906	MS51967-15	NUT, PLAIN, HEXAGON.....	2
6	PFFZZ	96906	MS27183-17	WASHER, FLAT.....	2
7	PFFZZ	96906	MS35340-48	WASHER, LOCK	2
* 8	PFFZZ	96906	MS90728-123	SCREW, CAP, HEXAGON H.....	2

END OF FIGURE

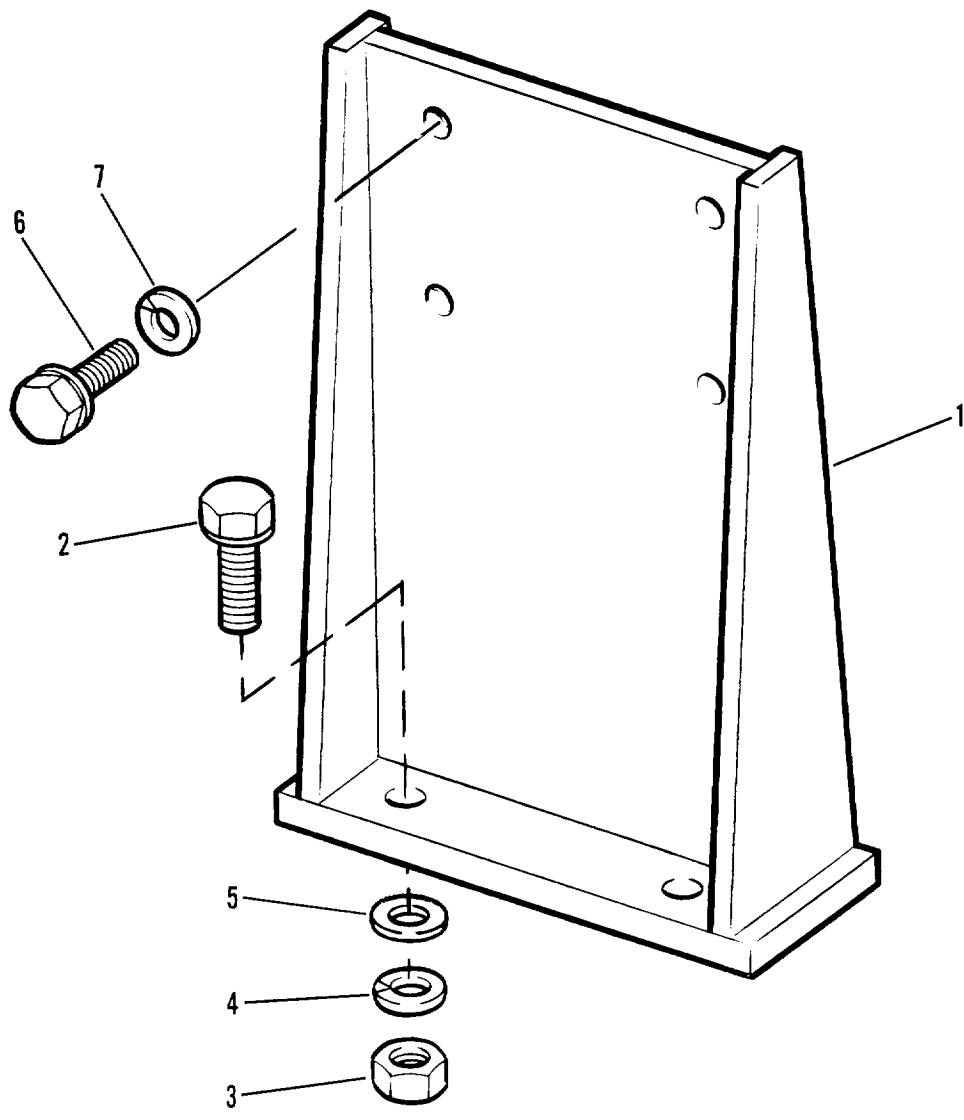


Figure 2. Rear Engine Support

SECTION II

TM 5-3895-359-24P
C01

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 0100 - ENGINE ASSEMBLY					
FIG. 2 - REAR ENGINE SUPPORT					
1	PFFZZ	61361	502-4143-80	MOUNT, ENGINE	2
2	PFFZZ	96906	MS90728-113	SCREW, CAP, HEXAGON H.....	4
3	XDFZZ	61361	398-11000-27	HEX NUT	4
4	PFFZZ	96906	MS35340-48	WASHER, LOCK	4
5	PFFZZ	96906	MS27183-17	WASHER, FLAT	2
6	PFFZZ	96906	MS90725-109	SCREW, CAP HEXAGON H.....	4
7	PFFZZ	96906	MS35340-48	WASHER, LOCK	4

END OF FIGURE

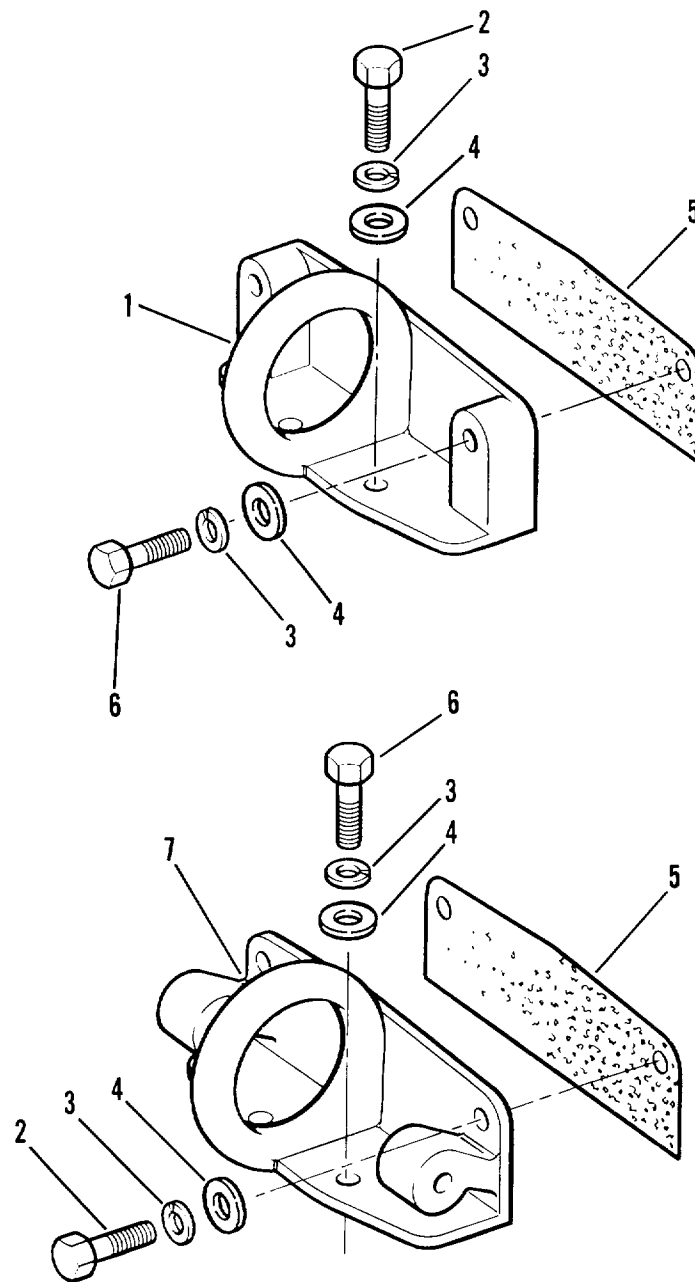


Figure 3. Front And Rear Engine Lifting Brackets

SECTION II

TM 5-3895-359-24P
C01

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 0100 ENGINE ASSEMBLY					
FIG. 3 FRONT AND REAR ENGINE LIFTING BRACKETS					
1	PFFZZ	72582	5150050	BRACKET, LIFTER.....	1
2	PFFZZ	96906	MS90728-89	SCREW, CAP, HEXAGON H.....	4
3	PFFZZ	96906	MS35338-47	WASHER, LOCK	8
4	PFFZZ	72582	5150568	WASHER, FLAT	8
* 5	PFFZZ	19207	6207353	GASKET PART OF KIT P/N 5193114	2
6	PFFZZ	72582	5104609	BOLT, MACHINE	4
7	PFFZZ	72582	5150051	BRACKET, LIFTING	1

END OF FIGURE

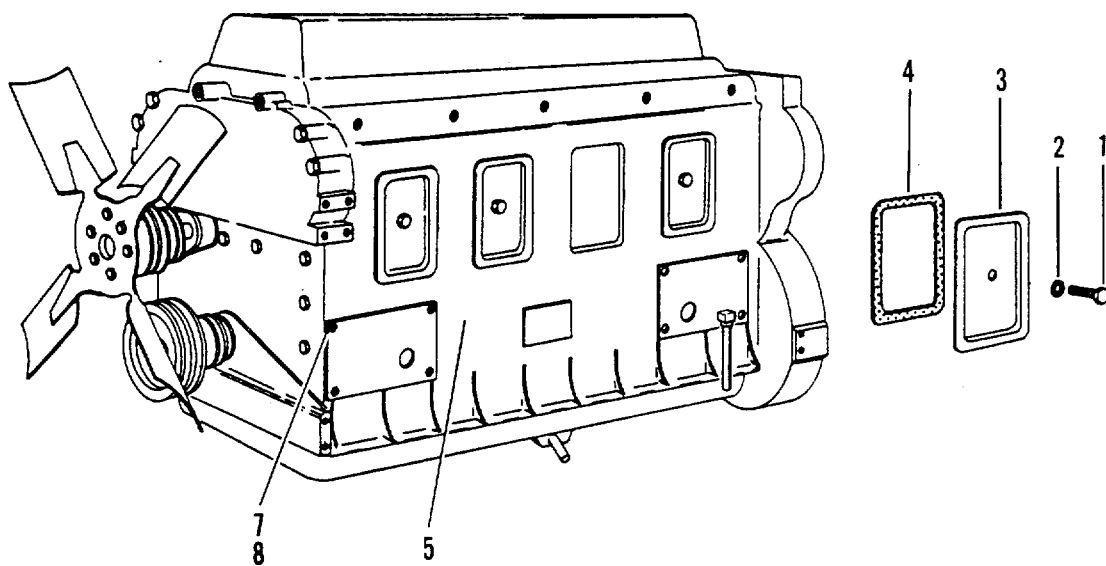


Figure 4. Hand Hole Covers And Air Box Drains

SECTION II

TM 5-3895-359-24P
C01

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 0100 ENGINE ASSEMBLY					
FIG. 4 HAND HOLE COVERS AND AIR BOX DRAINS					
1	PFFZZ	72582	108608	SCREW, CAP, HEXAGON H	4
2	PFFZZ	96906	MS27183-14	WASHER, FLAT.....	4
* 3	PFFZZ	24617	8921151	COVER, ACCESS	4
4	PFFZZ	88044	AN900-6	GASKET	4
5	PAFHD	72582	1043-7100	ENGINE, DIESEL	1
6	PFFZZ	61361	102-2761-1	PLATE, MOUNTING, VOLT.....	1
7	PFFZZ	96906	MS51967-3	NUT, PLAIN, HEXAGON.....	4
8	XDFZZ	61361	398-2001-48	SCREW, CAP, HEX HO	4

END OF FIGURE

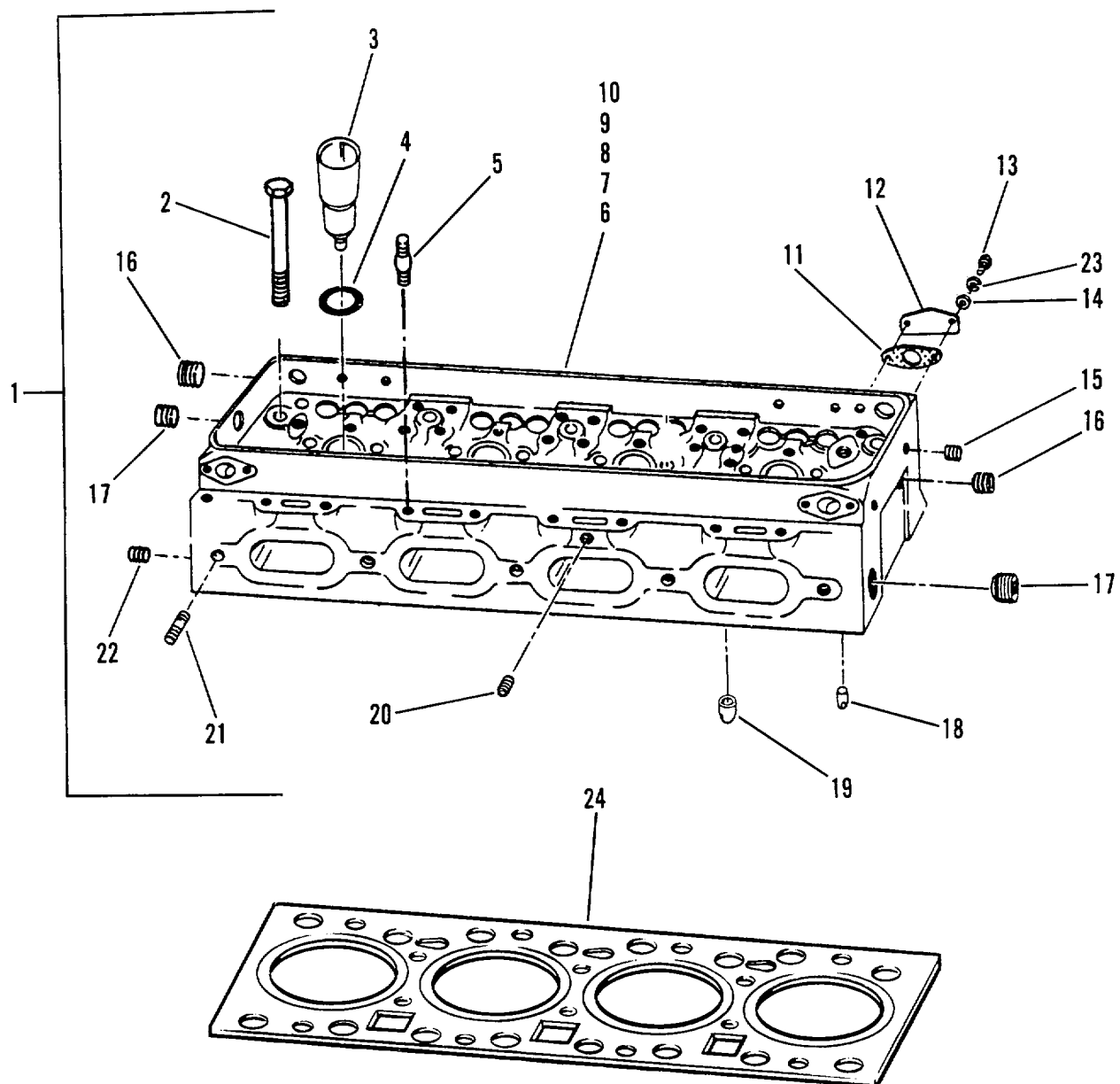


Figure 5. Cylinder Head Assembly

SECTION II

TM 5-3895-359-24P
C01

(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. 5 CYLINDER HEAD ASSEMBLY					
1	PBFFF	72582	5198216	CYLINDER HEAD, DIESE.....	1
2	PFFZZ	72582	5117003	•BOLT, EXTERNALLY REL.....	10
3	PFFZZ	72582	5117369	•ADAPTER, STRAIGHT, TU	4
4	PFFZZ	72582	5160037	•PACKING, PREFORMED.....	4
5	PFFZZ	72582	5150362	•STUD, PLAIN	8
* 6	KFFZZ	72582	5119973	•GASKET PART OF KIT P/N 5193114 PART..... OF KIT P/N 5192925.....	1
* 7	KFFZZ	72582	5104701	•PACKING, PREFORMED PART OF KIT P/N..... 8925981.....	4
* 8	KFFZZ	72582	5103659	•GASKET PART OF KIT P/N 5193114 PART..... OF KIT P/N 5192925.....	4
* 9	KFFZZ	72582	5186579	•GASKET PART OF KIT P/N 5193114 PART..... OF KIT P/N 5192925.....	6
* 10	KFFZZ	72582	5116122	•WASHER, FLAT PART OF KIT P/N 5193114..... PART OF KIT P/N 5192925.....	2
* 11	KFFZZ	72582	5123812	•GASKET PART OF KIT P/N 5193114 PART..... OF KIT P/N 5192925.....	4
12	PFFZZ	72582	5150268	•COVER, ACCESS.....	4
13	PFFZZ	96906	MS90728-3	•SCREW, CAP, HEXAGON H	8
14	PFHZZ	72582	5179709	•WASHER, FLAT.....	8
15	PFFZZ	72582	5125237	•PLUG, PIPE.....	4
16	PFFZZ	72582	5142549	•PLUG, PIPE.....	4
17	PFFZZ	72582	5145014	•PLUG, PIPE, MAGNETIC	2
18	PFFZZ	72582	5172874	•NOZZLE, WATER	8
19	PFFZZ	72582	5172875	•NOZZLE, WATER	4
20	PFFZZ	72582	5154453	•PLUG, MACHINE THREAD	4
21	PFFZZ	72582	8925804	•STUD, PLAIN.....	5
22	PFFZZ	72915	103878	•PLUG, PIPE.....	9
* 23	PFFZZ	99539	CBM21389	WASHER, LOCK	8
24	PFFZZ	72582	5183305	GASKET PART OF KIT P/N 5198676	2

END OF FIGURE

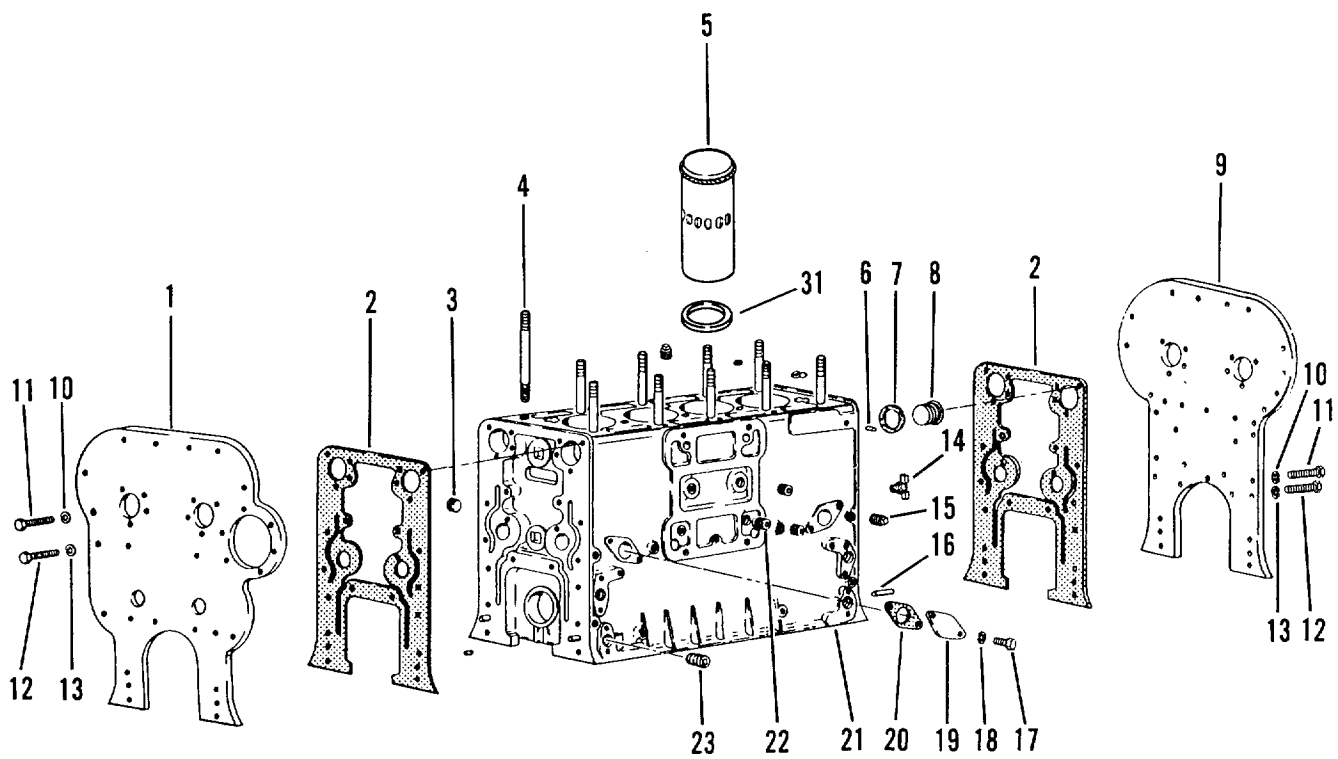


Figure 6. Cylinder Block, End Plates And Liner (Sheet 1 of 2)