

TECHNICAL MANUAL
DIRECT SUPPORT, GENERAL SUPPORT AND
DEPOT MAINTENANCE REPAIR PARTS AND
SPECIAL TOOLS LISTS

CRANE, SHOVEL, TRUCK MOUNTED,
20 TON, 3/4 CU YD., GED 6 X 6
NSN 3810-00-861-8088
HARNISCHFEGER MODEL M320T

HEADQUARTERS, DEPARTMENT OF THE ARMY
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TECHNICAL MANUAL

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HEADQUARTERS
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REPAIR PARTS AND SPECIAL TOOLS LISTS
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND
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CURRENT AS OF

CURRENT AS OF 23 AUGUST 1984

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS

SECTION I. INTRODUCTION

1. Scope.

This manual 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 Crane, Shovel, Truck Mounted. 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.

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 NSN sequence.

b. Section III. Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL for the performance of maintenance.

c. Section IV. National Stock Number and Part Number Index. A list, in National Item Identification Number (NIIN) sequence, of all National Stock Numbers (NSN) appearing in the listings, followed by a list in alphanumeric sequence of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

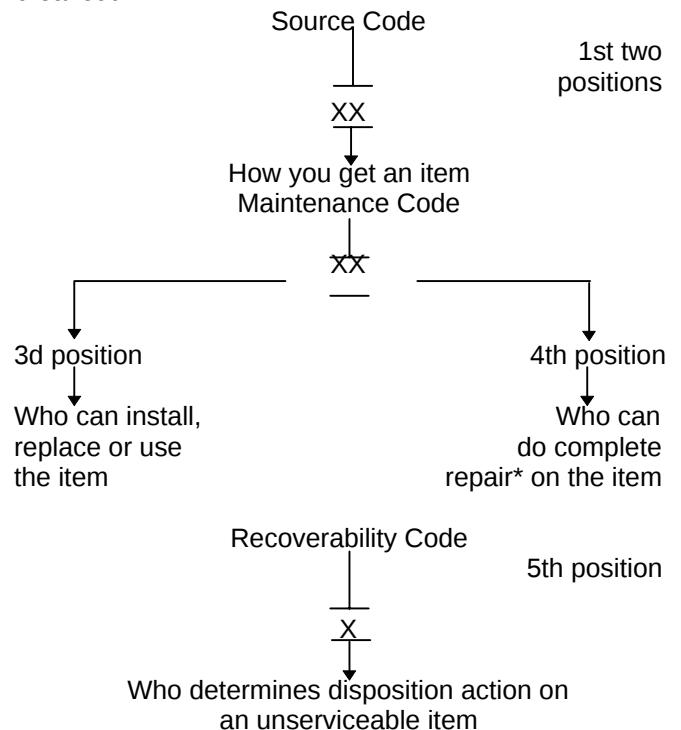
3. Explanation of Columns.

a. Illustration (Column (1)). This column is divided as follows:

(1) ((a) FIG NO.) Figure Number. Indicates the figure number illustrating an exploded view of a functional group.

(2) ((b) ITEM NO.). 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 the corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item.

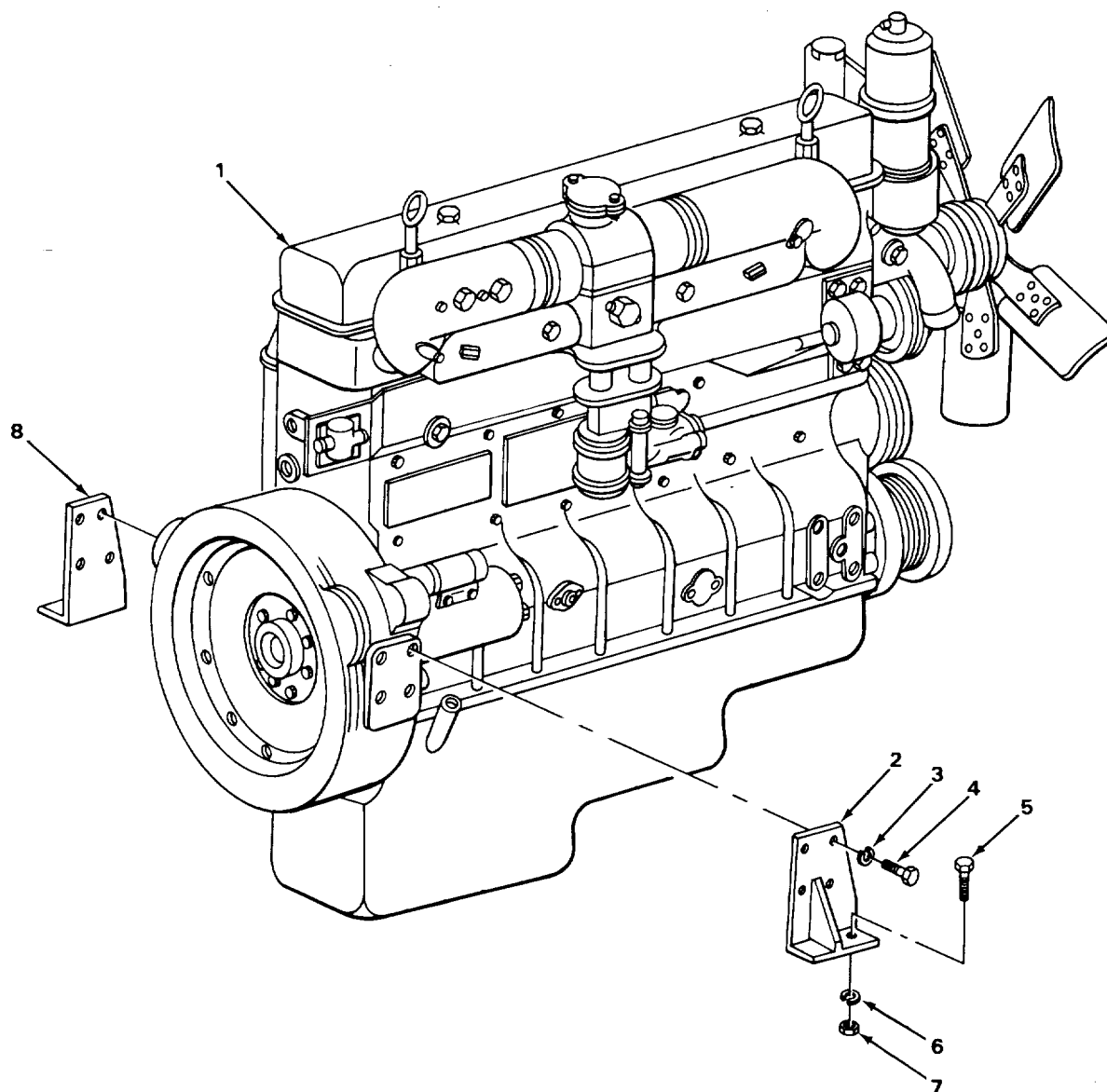
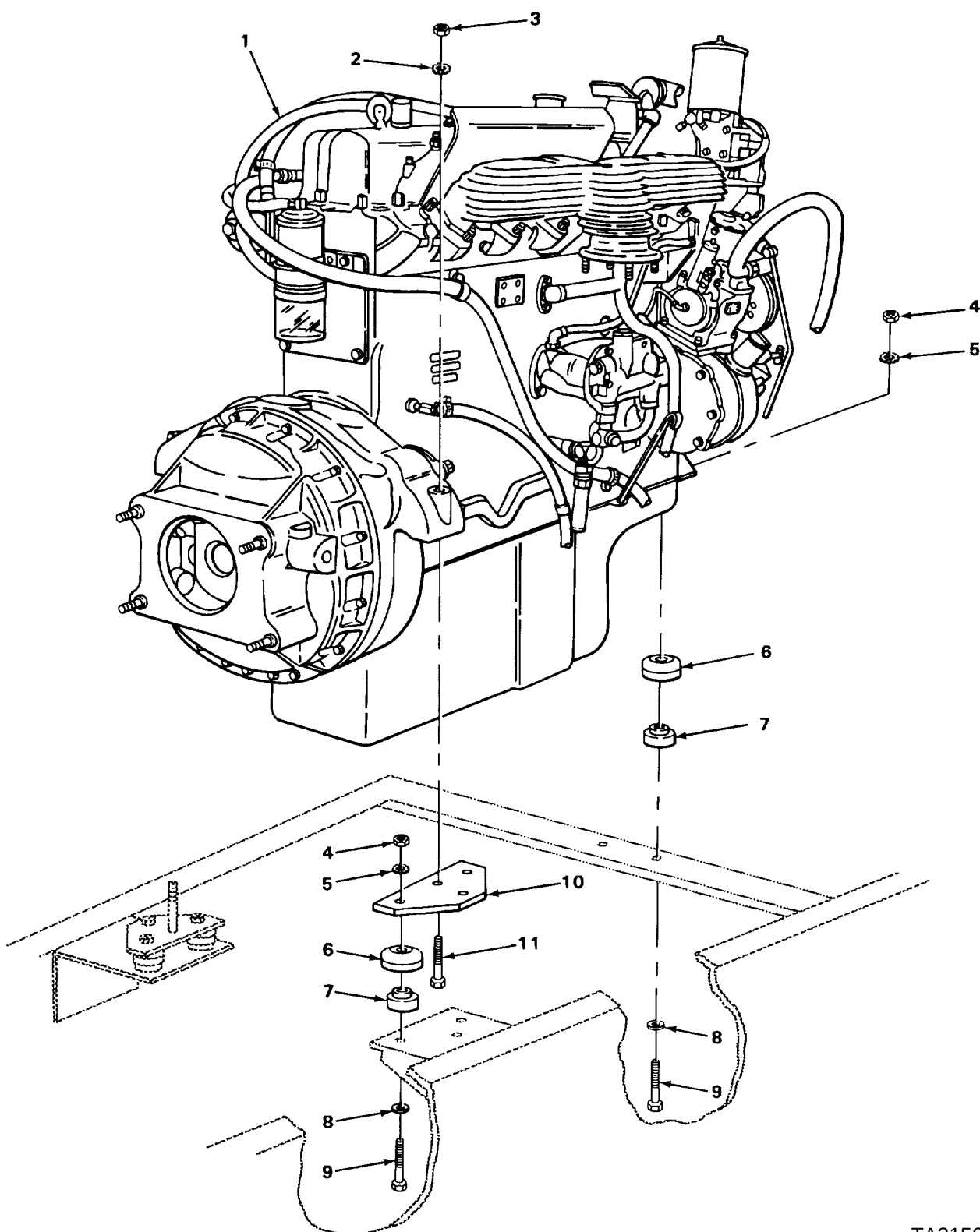


FIGURE 1. CRANE ENGINE.

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REPAIR PARTS LIST

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 01-ENGINE 0100-ENGINE ASSEMBLY		
1	1	PAFHH	2805-00-136-4364	64104	135GKC	ENGINE, GASOLINE CRANE	EA	1
1	2	XDFZZ		27315	216P358D2	BRACKET, MOUNTING ENGINE SUPPORT	EA	1
1	3	PFFZZ	5310-00-765-2079	27315	3615V011	WASHER, LOCK BRACKET MOUNTING	EA	8
1	4	XDFZZ		27315	0626V079	SCREW, CAP HEX HD BRACKET MOUNTING	EA	8
1	5	XDFZZ		27315	0626V132	SCREW, CAP HEX HD BRACKET MOUNTING	EA	4
1	6	XDFZZ		27315	3615V015	WASHER, LOCK BRACKET MOUNTING	EA	4
1	7	PFFZZ	5310-00-007-2891	27315	2045V008	NUT, HEXAGON BRACKET MOUNTING	EA	4
1	8	XDFZZ		27315	216P358D1	BRACKET, MOUNTING ENGINE SUPPORT	EA	1

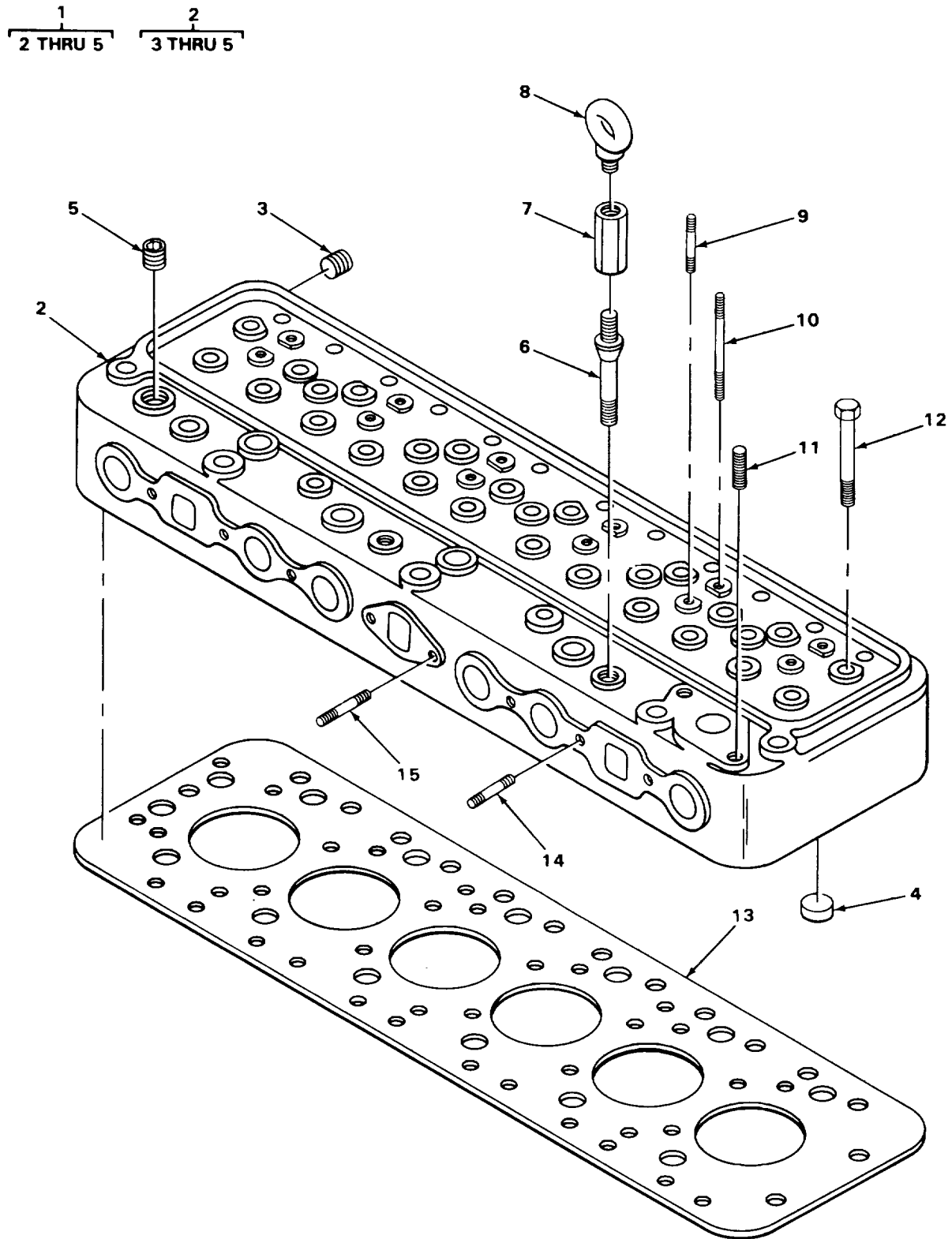


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FIGURE 2. CARRIER ENGINE.

REPAIR PARTS LIST

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						0100(CONT)		
2	1	PBFHH	2805-00-190-7996	64104	F817G21186	ENGINE, GASOLINE CARRIER.....	EA	1
2	2	PAFZZ	5310-00-294-9891	27315	3615V013	WASHER, LOCK	EA	2
2	3	PAFZZ	5310-00-007-0076	27315	2049V007	NUT, HEXAGON.....	EA	2
2	4	XDFZZ		27315	2049V005	NUT, HEXAGON.....	EA	8
2	5	XDFZZ		27315	18H4144D12	WASHER, LOCK	EA	8
2	6	PAFZZ	5340-00-383-8816	22337	CA368-8	MOUNT, RESILIENT	EA	8
2	7	PFFZZ	5340-00-383-8815	22337	CA368-2	MOUNTING RESILIENT	EA	8
2	8	PFFZZ	5310-01-183-1365	27315	3611V011	WASHER, FLAT	EA	8
2	9	PAFZZ	5306-00-241-0195	27315	820T36	BOLT, SHOULDER.....	EA	8
2	10	XDFZZ		27315	818P110	SUPPORT, ENGINE.....	EA	2
2	11	XDFZZ		27315	Q627V120	SCREW, CAP, HEX HD.....	EA	2



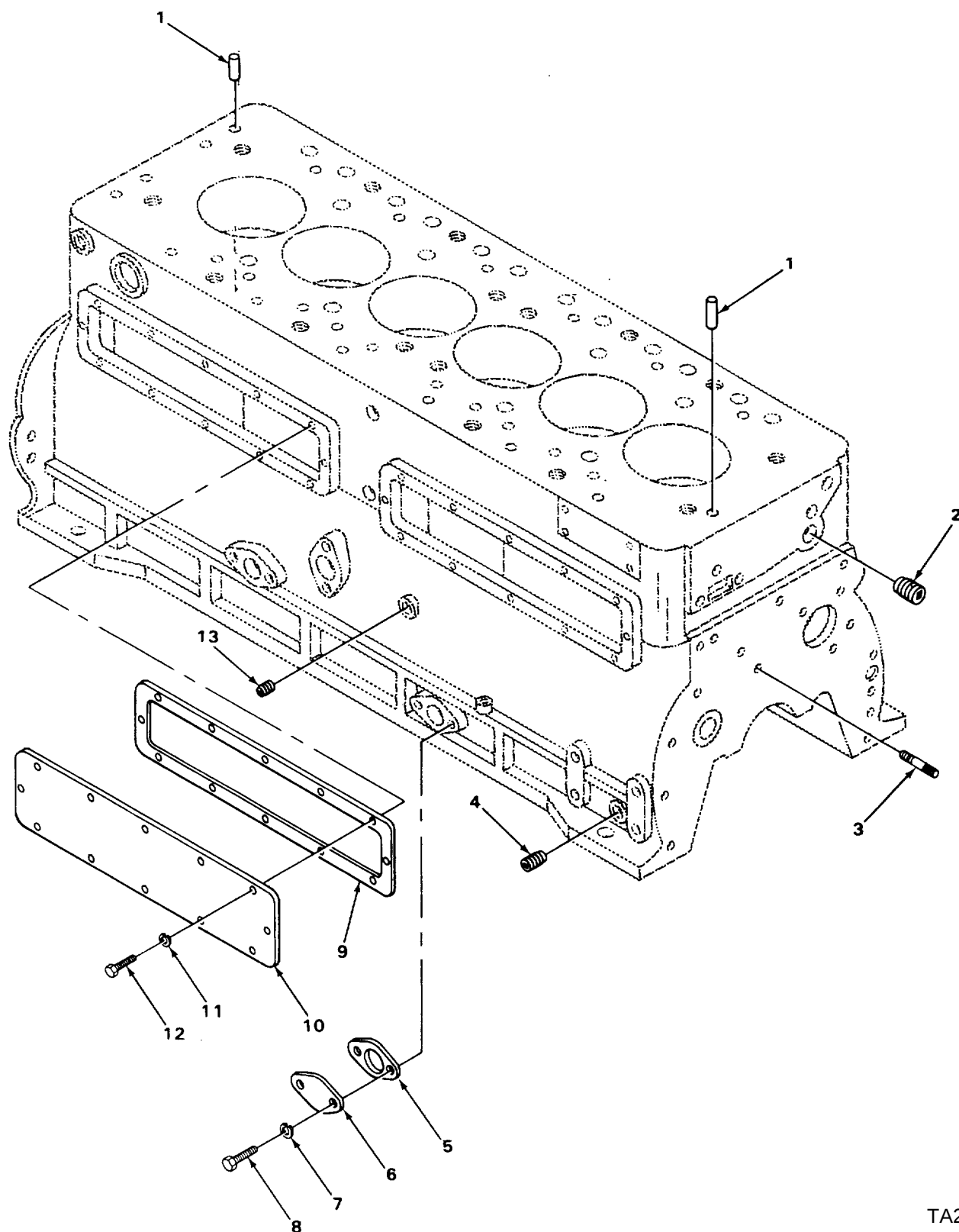
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FIGURE 3. CRANE ENGINE CYLINDER HEAD.

SECTION II

TM 5-3810-288-34P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
						0101-CRANKCASE. BLOCK. CYLINDER HEAD		
3	1	PFFHH	2805-00-435-7615	64104	00135202	CYLINDER HEAD, GASOL WITH VALVES	EA	1
3	2	PFFHH	2805-00-852-5715	64104	0135202	.CYLINDER HEAD, GASOL WITHOUT VALVES	EA	1
3	3	PAHZZ	4730-00-289-5176	02951	MS49005-8	..PLUG, PIPE	EA	1
3	4	PAHZZ	5340-00-276-5823	64104	B1293	..PLUG, EXPANSION	EA	2
3	5	PAHZZ	4730-01-118-1573	64104	78283B	..PLUG, PIPE	EA	8
3	6	XDFZZ		64104	119888	SCREW LIFTING CYLINDER HEAD	EA	2
3	7	XDFZZ		64104	156075	ADAPTER	EA	2
3	8	XDFZZ		64104	A156076	EYE, LIFTING	EA	2
3	9	XDFZZ		64104	BD120	STUD ROCKER ARM SUPPORT	EA	6
3	10	XDFZZ		64104	44544	STUD ROCKER ARM AND COVER	EA	6
3	11	PFFZZ	5307-00-010-3215	64104	65254	STUD	EA	2
3	12	XDFZZ		64104	120115	SCREW, CAP, HEXAGON	EA	20
3	13	PFFZZ	5330-00-712-7742	64104	135000A	GASKET CYLINDER HEAD PART OF KIT P/N 900-267, 979-92	EA	1
3	14	PFFZZ	5307-00-272-4756	64104	B2610	STUD MANIFOLD SHORT	EA	6
3	15	PAFZZ	5307-00-443-6203	64104	157204	STUD, PLAIN LONG	EA	2



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FIGURE 4. CRANE ENGINE SIDE COVERS.

SECTION II

TM 5-3810-288-34P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						0101(CONT)		
4	1	PFHZZ	5315-00-276-5552	64104	B3568	PIN, DOWEL	EA	2
4	2	PFHZZ	4730-01-118-1573	64104	78283B	PLUG.....	EA	1
4	3	XDHZZ		64104	118761	TUBE OIL TIMING GEAR.....	EA	1
4	4	PFHZZ	4730-01-117-6157	64104	21951	PLUG, PIPE.....	EA	3
4	5	PFFZZ	5330-00-256-6987	79150	17592	GASKET	EA	1
4	6	XDFZZ		64104	48344	PLATE	EA	1
4	7	PAFZZ	5310-00-261-7340	96906	MS35338-8	WASHER, LOCK PLATE MOUNTING	EA	2
4	8	PAFZZ	5305-00-164-0459	64104	21340	SCREW, CAP PLATE MOUNTING	EA	2
4	9	KFFZZ		64104	119949A	GASKET COVER PART OF KIT P/N 900-267	EA	1
4	10	XDFZZ		64104	135024E	COVER ACCESS.	EA	1
4	11	XDFZZ		64104	21051	WASHER, LOCK COVER MOUNTING	EA	12
4	12	PAFZZ	5305-00-451-3439	64104	26939	SCREW COVER MOUNTING	EA	12
4	13	PAFZZ	4730-00-289-5754	59501	10-17966	PLUG, PIPE.....	EA	1