

TECHNICAL MANUAL

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

TRUCK, TRACTOR, COMMERCIAL
HEAVY EQUIPMENT TRANSPORTER

C - H E T

85,000 GVWR, 8 X 6,

ARMY MODEL M911

NSN 2320-01-025-3733

This manual supersedes TM9-2320-270-34P, 9 April 1985 and all changes

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HEADQUARTERS, DEPARTMENT OF THE ARMY
JULY 1989

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Current as of 14 April 1989

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of away to improve the procedures, please let us know. Mail your letter, DAForm 2028 (Recommended Changes to Publications and Blank Form), 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 48397-5000. A reply will be furnished to you.

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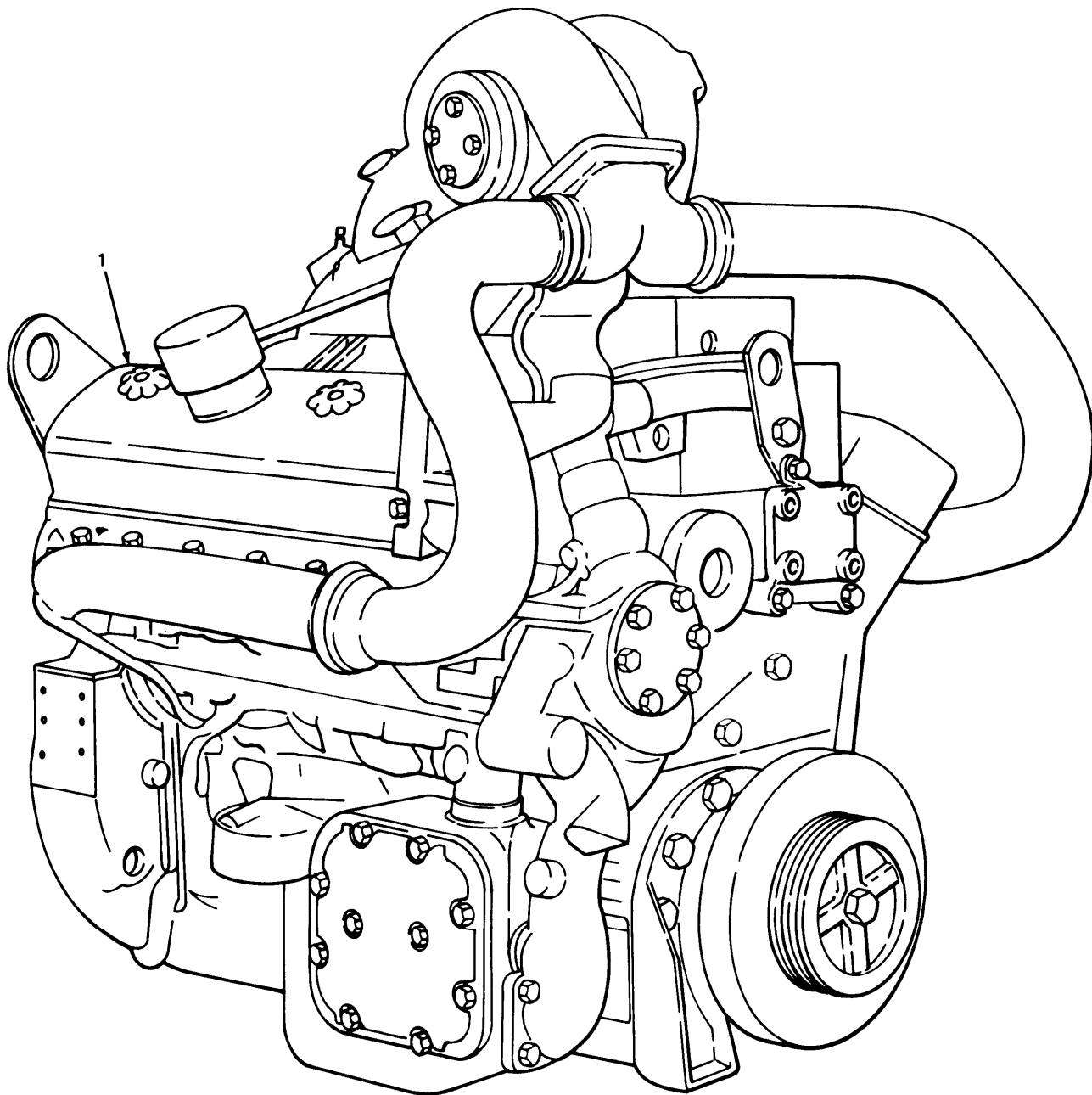
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TA203600

FIGURE 1. ENGINE ASSEMBLY.

SECTION II				TM9-2320-270-34P	
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO.	CODE	FSCM	NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
				GROUP 01 ENGINE	
				GROUP 0100 ENGINE ASSEMBLY	
				FIG. 1 ENGINE ASSEMBLY.	
1	PAFHH	72582	8087-7899	ENGINE,DIESEL	1
				END OF FIGURE	

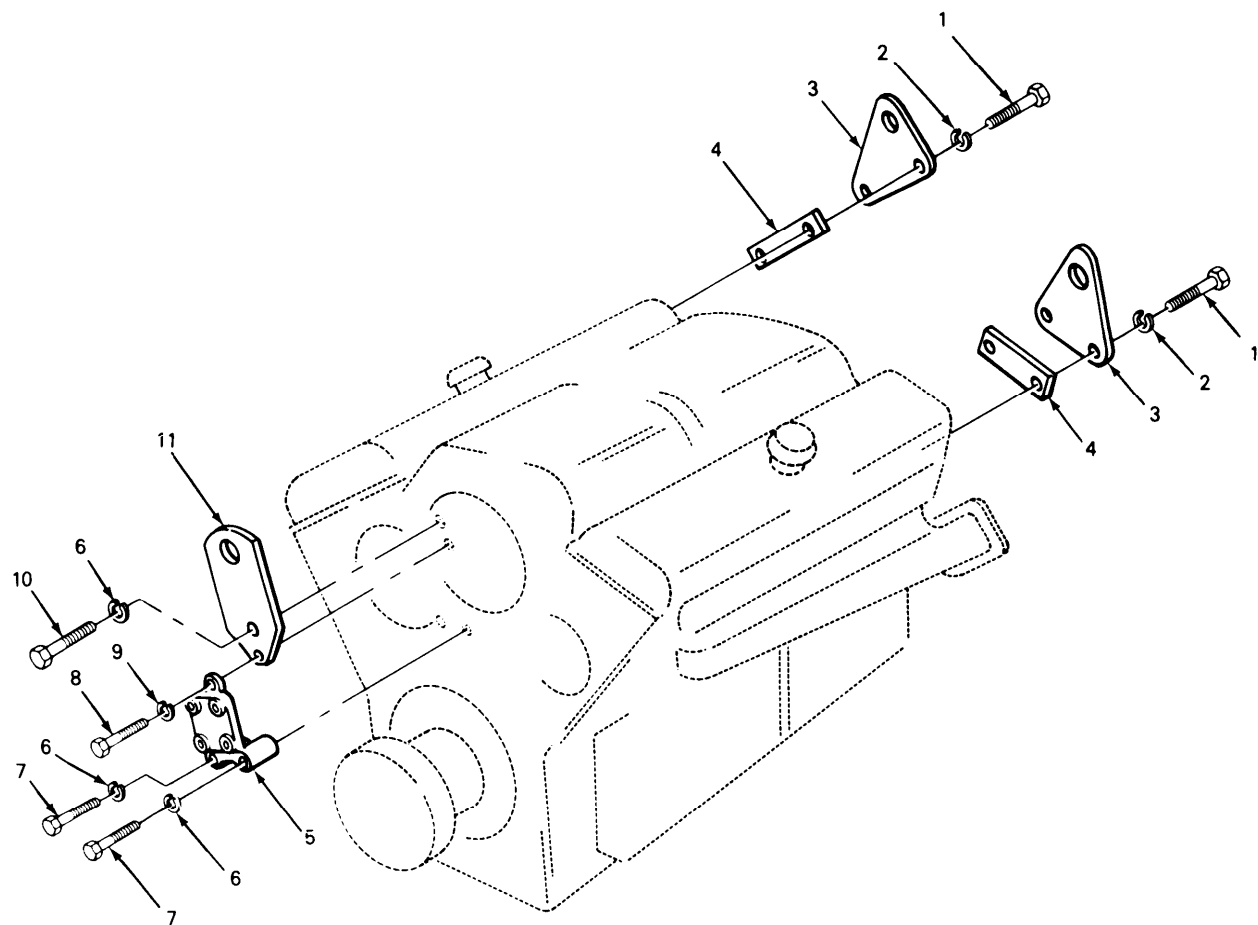
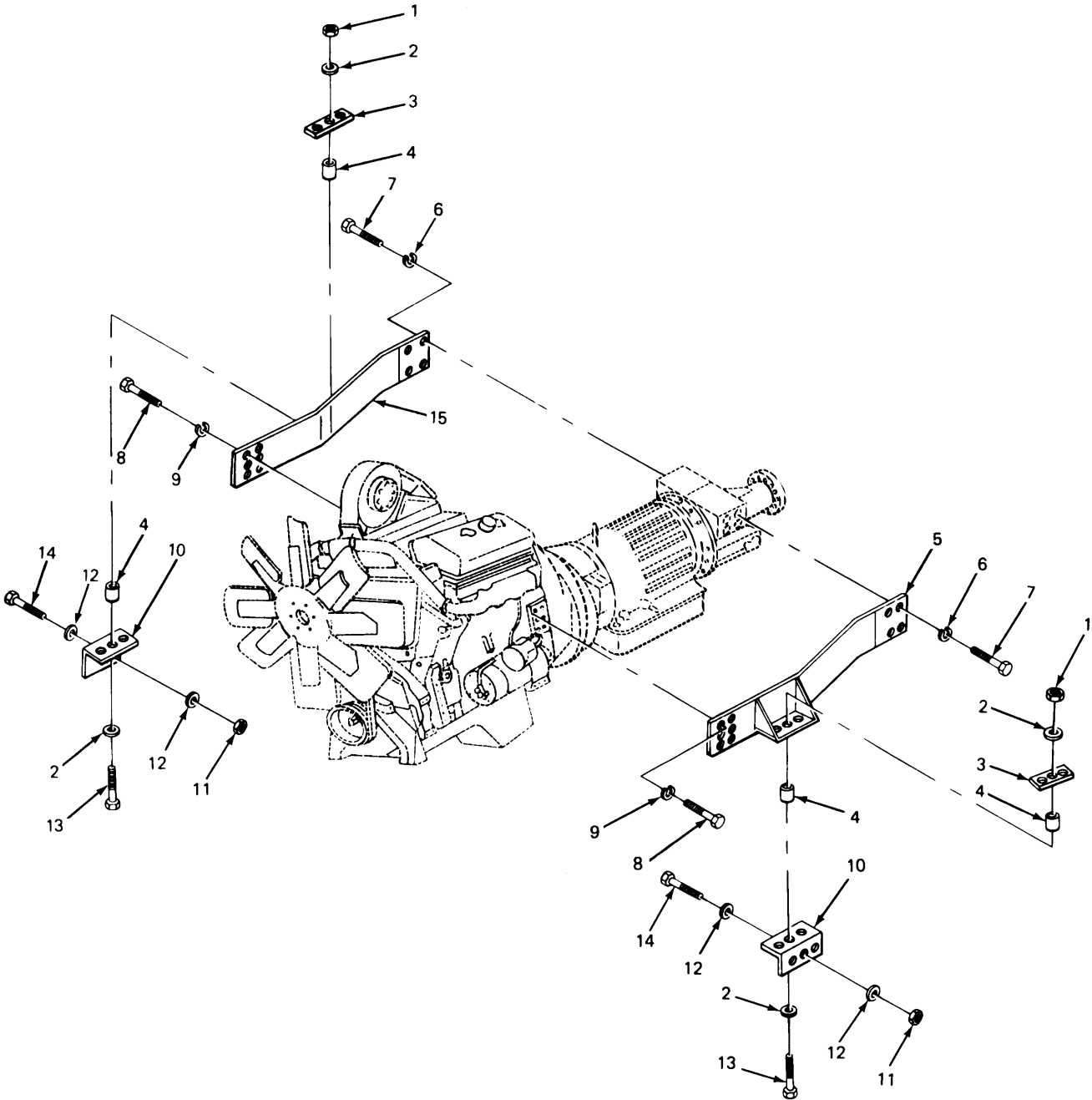


FIGURE 2. ENGINE LIFTING BRACKETS

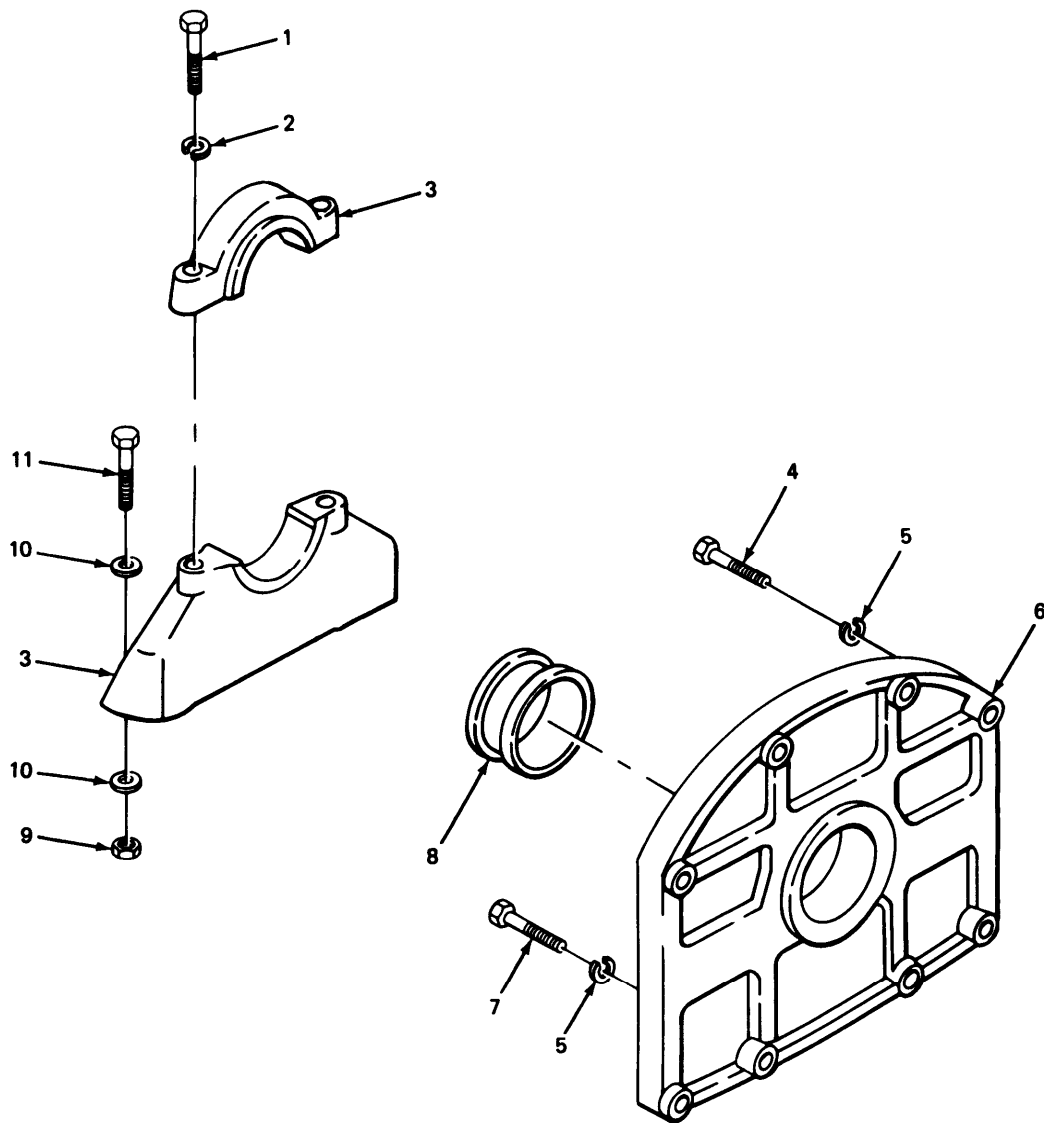
SECTION II		TM9-2320-270-34P			
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO.	CODE	FSCM	NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
GROUP 0100 ENGINE ASSEMBLY					
FIG. 2 ENGINE LIFTING BRACKETS.					
1	PFFZZ	72582	454933	SCREW,CAP,HEXAGON H REAR LIFTING BRACKETS TO CYLINDER HEAD,LEFT (2), RIGHT (2)	4
2	PFFZZ	96906	MS35338-47	WASHER,LOCK REAR LIFTING BRACKET, LEFT(2),RIGHT(2)	4
3	PFFZZ	72582	5117174	BRACKET,SPECIAL REAR,ENGINE LIFTING,LEFT AND RIGHT CYLINDER HEAD,LEFT (1),RIGHT (1)	2
4	PAFZZ	72582	5117332	GASKET	2
5	PAFZZ	72582	8924109	SUPPORT,FAN	1
6	PAFZZ	96906	MS35338-50	WASHER,LOCK	3
7	PAFZZ	72582	271574	BOLT,MACHINE	2
8	PFFZZ	81381	190270	SCREW,CAP,HEXAGON H	1
9	PAFZZ	96906	MS35338-48	WASHER,LOCK SCREW,TOP FAN SUPPORT BRACKET TO BOTTOM LIFTING BRACKET TO ENGINE FRONT COVER	1
10	PAFZZ	72582	223435	SCREW,CAP,HEXAGON H BOTTOM ENGINE LIFTING BRACKET TO ENGINE FRONT COVER TO ENGINE FRONT COVER	1
11	PAFZZ	72582	5109900	BRACKET,SPECIAL ENGINE LIFTING, FRONT	1
END OF FIGURE					



TA212200

FIGURE 3. ENGINE SIDE SUPPORT BRACKETS AND RELATED PARTS.

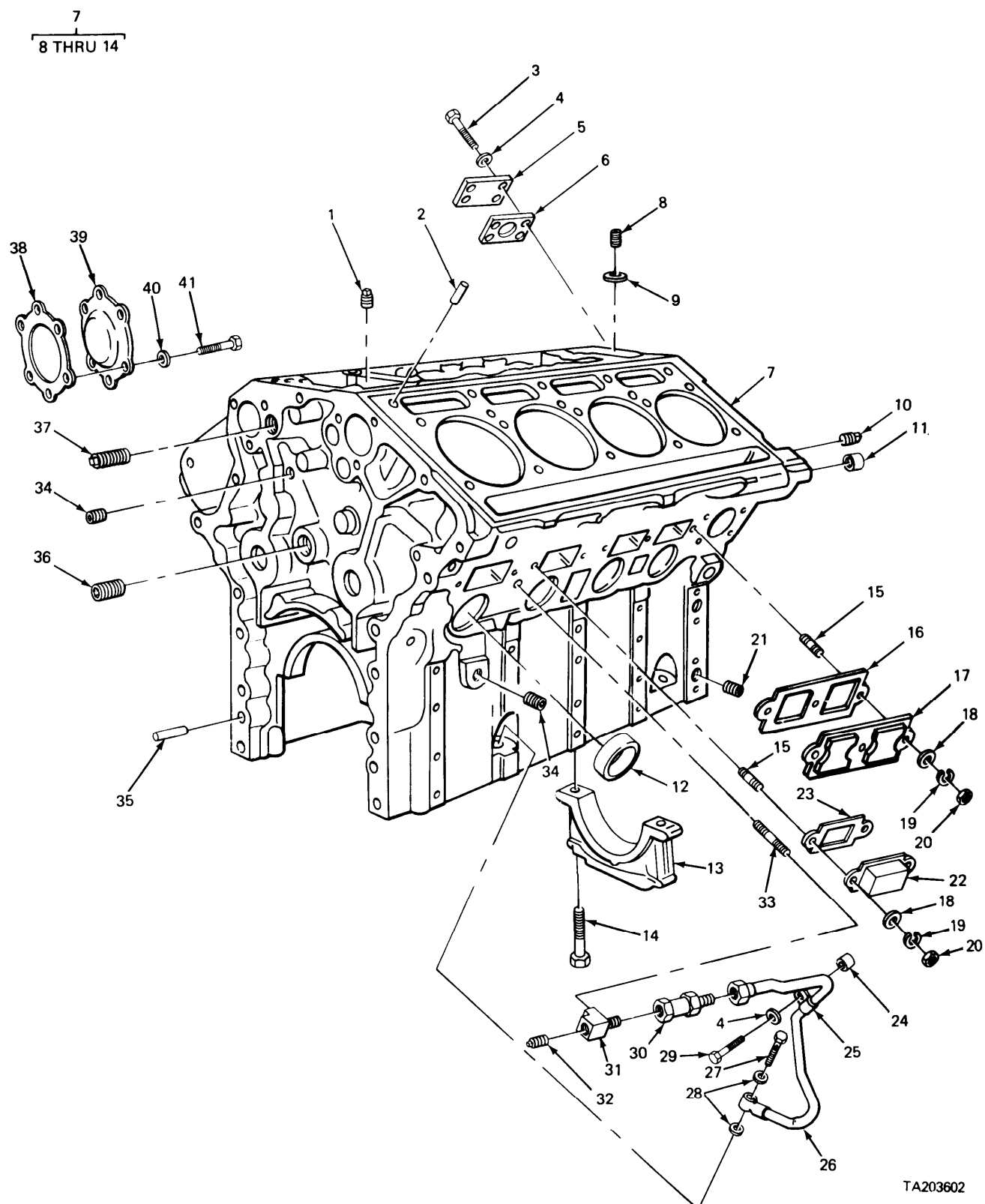
SECTION II (1) ITEM NO.	(2) SMR CODE	(3) FSCM	TM9-2320-270-34P (4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
GROUP 0100 ENGINE ASSEMBLY					
FIG. 3 ENGINE SIDE SUPPORT BRACKETS AND RELATED PARTS.					
1	PAFZZ	45152	2881HX	NUT, SELF-LOCKING, HE SCREW SUPPORT CRADLE BRACKET TO COVER PLATE, UPPER RUBBER CUSHIONS, LEFT (3), RIGHT (3)	6
2	PAFZZ	96906	MS27183-21	WASHER, FLAT	12
3	XDFZZ	45152	21810AX	PLATE COVER, UPPER RUBBER CUSHIONS, CRADLE SUPPORT BRACKET, LEFT (1) RIGHT (1)	2
4	PAFZZ	19207	10863416-1	MOUNT, RESILIENT OVAL, CRADLE SUPPORT BRACKET, LEFT (6), RIGHT (6)	12
5	XDFZZ	45152	64654DXW	BRACKET CRADLE, POWER PLANT MOUNTING, LEFT REAR	1
6	PAFZZ	45152	///-A	WASHER, LOCK SCREW BRACKET, POWER PLANT MOUNTING TO TRANSMISSION HOUSING, LEFT (4), RIGHT (4)	8
7	PAFZZ	45152	2406-H	SCREW HEAD	8
8	PAFZZ	45152	49743-AX	SCREW, CAP, HEXAGON H BRACKET, POWER PLANT MOUNTING TO ENGINE BLOCK, LEFT (6), RIGHT (6)	12
9	PAFZZ	45152	318B	WASHER, LOCK SCREW, BRACKET, POWER PLANT MOUNTING TO ENGINE BLOCK, LEFT (6), RIGHT	12
10	XDFZZ	45152	66431CXW	BRACKET POWER PLANT MOUNTING BRACKET TO VEHICLE FRAME, LEFT (1), RIGHT 0 (1)	2
11	PAFZZ	45152	60861A	NUT, PLAIN, HEXAGON PATENTED, CADMIUM PLATED, SCREW, BRACKET TO FRAME, LEFT (3), RIGHT 0, (3)	6
12	PAFZZ	45152	8865G	WASHER, FLAT SCREW, BRACKET TO FRAME, LEFT (6), RIGHT (6)	12
13	PAFZZ	96906	MS16208-150	SCREW, CAP, HEXAGON H BRACKET FRAME TO BRACKET POWER PLANT MOUNTING, LEFT (3), RIGHT (3)	6
14	PAFZZ	45152	55518AX	SCREW, CAP, SOCKET HE	6
15	XDFZZ	45152	64653DXW	SCREW, CAP, SOCKET HE BRACKET CRADLE, POWER PLANT MOUNTING, RIGHT REAR	6
END OF FIGURE					



TA212201

FIGURE 4. ENGINE TRUNNION MOUNTING SUPPORT.

SECTION II		TM9-2320-270-34P			
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO.	CODE	FSCM	NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
GROUP 0100 ENGINE ASSEMBLY					
FIG. 4 ENGINE TRUNNION MOUNTING SUPPORT.					
1	PTFZZ	72582	454934	SCREW,CAP,HEXAGON H ENGINE FRONT SUPPORT ASSEMBLY	2
2	PAFZZ	96906	MS35338-47	WASHER, LOCK SCREW, ENGINE FRONT SUPPORT ASSEMBLY	2
3	PTFZZ	72582	5103957	SUPPORT ASSEMBLY, RE ENGINE FRONT TRUNNION MOUNTING TO VEHICLE FRAME	1
4	PAFZZ	72582	9415559	BOLT HEAD, TRUNNION TO OIL PUMP BODY	4
5	PAFZZ	96906	MS35338-46	WASHER, LOCK	8
6	PTFZZ	72582	5148894	TRUNNION OIL PUMP BODY WITH ENGINE SUPPORT MOUNTING, FRONT	1
7	PAFZZ	72582	455537	BOLT TRUNNION TO OIL PUMP BODY	4
8	PAFZZ	72582	5103566	RING ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION	1
9	PAFZZ	45152	60861A	NUT, PLAIN, HEXAGON SCREW, SUPPORT, ENGINE FRONT TRUNNION MOUNTING TO VEHICLE FRAME	2
10	PTFZZ	45152	88656	WASHER, FLAT SCREW, SUPPORT, ENGINE FRONT TRUNNION MOUNTING TO VEHICLE FRAME	4
11	PAFZZ	45152	49743-AX	SCREW, CAP, HEXAGON H	2
END OF FIGURE					



TA203602

FIGURE 5, ENGINE BLOCK AND RELATED PARTS.

SECTION II		TM9-2320-270-34P			
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO.	CODE	FSCM	NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
GROUP 0101 CRANKCASE, BLOCK, CYLINDER HEAD					
FIG. 5 ENGINE BLOCK AND RELATED PARTS.					
1	PAHZZ	81343	WW-P-471AASBCB	PLUG,PIPE HEXAGON SOCKET,BLOCK TOP.	7
2	PAHZZ	72582	141214	PIN,STRAIGHT,HEADLE UNUSED	3
3	PAFZZ	96906	MS90725-60	PASSAGE TO CAMSHAFT BORES	
4	PAFZZ	96906	MS27183-14	SCREW,CAP,HEXAGON H LEFT SIDE	4
5	PAFZZ	72582	5117733	WATER HOLE COVER TO BLOCK	
6	PAFZZ	72582	5117734	WASHER,FLAT WATER HOLE COVER TO BLOCK	6
7	PFHHH	72582	8923317	COVER,ACCESS PLAIN,LEFT SIDE WATER HOLE,BLOCK	1
8	PAHZZ	72582	5138646	GASKET WATER HOLE COVER PART OF KIT P/N 5199617	1
9	PAHZZ	72582	5138659	ENGINE BLOCK DIESEL CYLINDER, DIESEL ENGINE	1
10	PAHZZ	72582	8924751	PLUG,PROTECTIVE,DUS SPECIAL,CORE HOLE	2
11	PAFZZ	72582	5132410	GASKET PLUG,COPPER PART OF KIT P/N 5199617	2
12	PAFZZ	72582	5139989	PLUG,PIPE SQUARE SOCKET,BLOCK FRONT END	1
13	PAHZZ	72582	5149220	PLUG,EXPANSION BLOCK FRONT END	2
13	PAHZZ	72582	5146497	PLUG,EXPANSION CYLINDER BLOCK	8
14	PAHZZ	72582	8924272	CAP,PILLOW BLOCK MAIN BEARING, CRANKSHAFT,FINISHED	5
15	PAFZZ	72582	5152121	BEARING MAIN BEARING,CRANKSHAFT, UNFINISHED	5
16	PAFZZ	72582	5132572	BOLT,MACHINE SPECIAL,MAIN BEARING CAP	10
17	PAFZZ	72582	5144186	STUD,PLAIN SMALL AND LARGE ACCESS COVERS TO BLOCK	14
18	PAFZZ	96906	MS27183-11	GASKET LARGE ACCESS COVERS TO BLOCK,RIGHT SIDE (1), LEFT SIDE (1).	2
19	PAFZZ	96906	MS35338-45	COVER,ACCESS ACCESS,HAND HOLE,LARGE WASHER,FLAT SMALL AND LARGE ACCESS COVERS TO BLOCK	12
20	PAFZZ	96906	MS35691-624	WASHER,LOCK SMALL AND LARGE ACCESS COVERS TO BLOCK	12
21	PAFZZ	00501	87708-S	NUT,PLAIN,HEXAGON SMALL AND LARGE ACCESS COVERS TO BLOCK	12
22	PAFZZ	72582	5132458	PLUG,PIPE HEXAGON SOCKET,LARGE ACCESS COVER,RIGHT (2) LEFT (2)	4
23	PAFZZ	72582	5132924	COVER,ACCESS ACCESS,HAND HOLE,SMALL GASKET SMALL ACCESS COVER,RIGHT SIDE (2),LEFT SIDE (2)	4
24	PAFZZ	72582	5196119	SPACER,TRUCK ADVERS AIR BOX DRAIN TUBE	2
25	PAFZZ	72582	5151883	CLAMP,LOOP AIR BOX DRAIN TUBE	2