

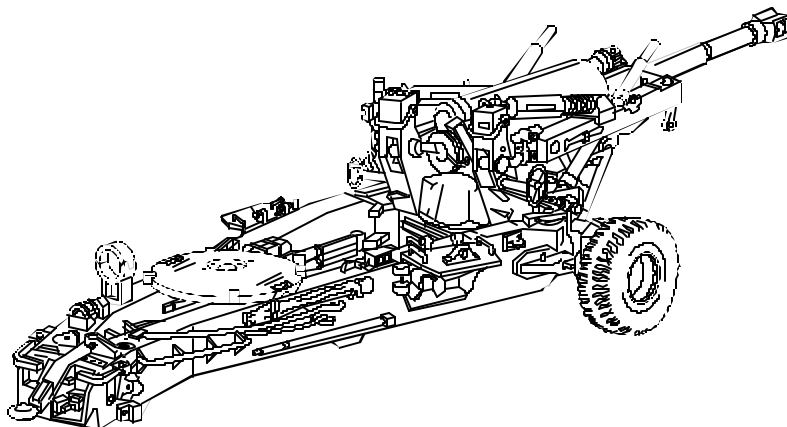
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TECHNICAL MANUAL

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

FOR

**HOWITZER, MEDIUM, TOWED:
155-MM, M198
(1025-01-026-6648) (EIC:3EL)**



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Technical Manual
No. 9-1025-211-34P
No. 08198A-34P/4

*ARMY TM 9-1025-211-34P
MARINE CORPS TM 08198A-34P/4
HEADQUARTERS
DEPARTMENT OF THE ARMY
U.S. MARINE CORPS
Washington D.C., 19 August 1997

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FOR
HOWITZER, MEDIUM, TOWED: 155-MM, M198
(1025-01-026-6648)**

Current as of 15 February 1999

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*This manual supersedes TM 9-1025-211-34P, 23 May 1991, including all changes in their entirety.

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

SECTION I. INTRODUCTION

1. SCOPE

This RPSTL lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of direct support and general support maintenance of the 155-mm Medium Towed M198 Howitzer. 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. This 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 by item name in FIG. BULK at the end of this section. Repair parts kits are listed separately in their own functional group within section II. Repair parts for repairable special tools are also listed in section II. Items listed are shown on the associated illustration.

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 (UOC) column).

c. Section IV. Cross-Reference Indexes. There are two cross-reference indexes in this RPSTL: The National Stock Number Index and the Part Number Index. The National Stock Number Index refers you to the figure and item number. The Part Number Index refers you to the figure and item number.

3. EXPLANATION OF COLUMNS (SECTIONS II AND III).

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

b. SMR CODE (Column (2)). The source, maintenance, and recoverability (SMR) code contains supply/requisitioning information, maintenance level authorization criteria, and disposition instruction, as shown in the following breakout:

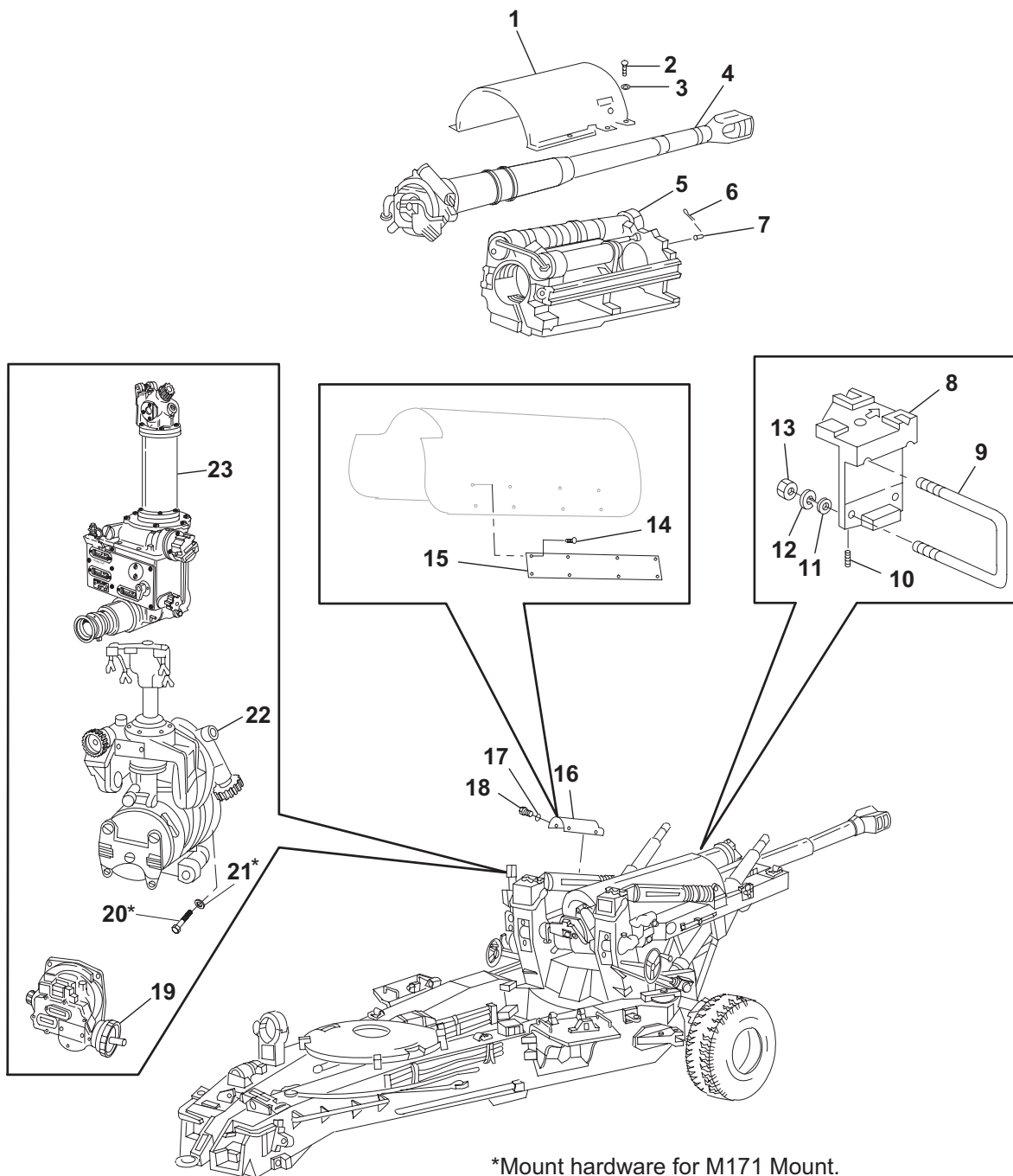
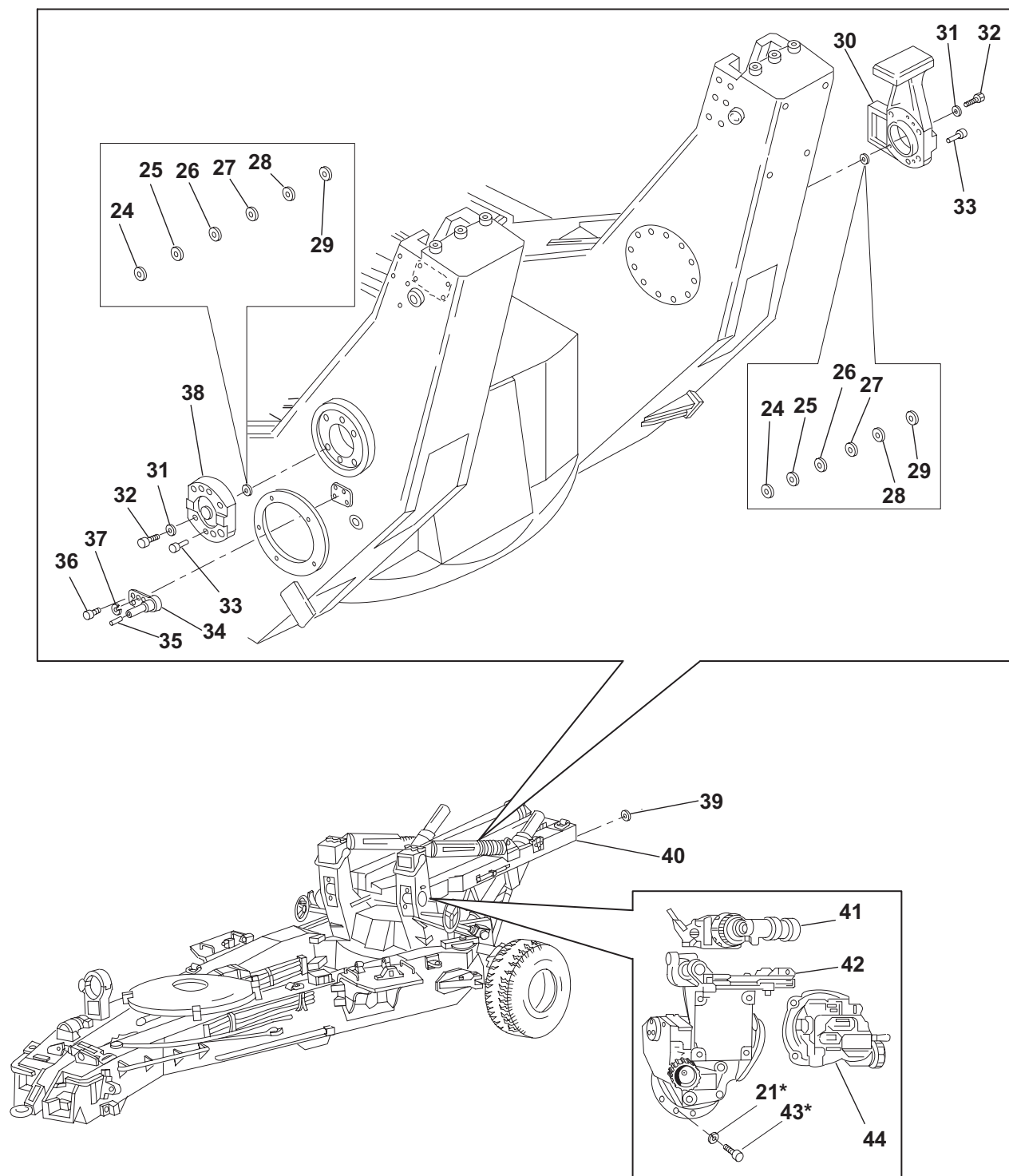


Figure 1. Howitzer, Medium, Towed, 155 mm, M198, 12008000 (Sheet 1 of 2).



*Mounting hardware for M172 Mount.

Figure 1. Howitzer, Medium, Towed, 155 mm, M198, 12008000 (Sheet 2 of 2).

SECTION II			TM9-1025-211-34P, C2		DESCRIPTION AND USABLE ON CODES (UOC)	QTY
(1)	(2)	(3)	(4)	(5)		
ITEM NO	SMR CODE	NSN	CAGEC	PART NUMBER		
GROUP 00: HOWITZER, MEDIUM, TOWED, 155-MM, M198 12008000						
FIG. 1. HOWITZER, MEDIUM, TOWED, 155-MM, M198						
1	PAFZZ	2540010565339	19200	12008967	BALLISTIC SHIELD,RE COIL MECHANISM.	1
2	PAOZZ	5305009259649	96906	MS51095-359	SCREW,CAP,HEXAGON H.....	8
3	PAOZZ	5310002090790	96906	MS35335-63	WASHER,LOCK.....	8
4	AFFFA		19206	11578880	CANNON, M199 (FOR ASSEMBLY BREAKDOWN SEE FIG 3).....	1
5	PAFDD	1025010943333	19200	12007800	RECOIL MECHANISM,15 5 MM HOWITZER, M45 (FOR ASSEMBLY BREAKDOWN SEE FIGURE 13 THRU 19).....	1
6	PAFZZ	5315008423044	80205	MS24665-283	PIN,COTTER (VARIABLE RECOIL PARTS).	1
7	PAFZZ	5315009572399	96906	MS20392-5C35	PIN,STRAIGHT,HEADED (VARIABLE RECOIL PARTS).....	1
8	PAOZZ	5342011277817	19200	11785076	BRACKET,ANTENNA MOU NTING.....	1
9	PAOZZ	5306011240246	19200	11785077	BOLT,U.....	2
10	PAOZZ	5305009282367	80205	MS51021-86	SETSCREW.....	2
11	PAOZZ	5310005956057	96906	MS15795-815	WASHER,FLAT.....	4
12	PAOZZ	5310009738786	96906	MS35338-142	WASHER,LOCK.....	4
13	PAOZZ	5310009651800	96906	MS51971-4	NUT,PLAIN,HEXAGON.....	4
14	PAFZZ	5320008374067	96906	MS16535-79	RIVET,TUBULAR (MODIFIED HOWITZERS).	32
15	PAFZZ	9905013968301	19200	12909216	PLATE,IDENTIFICATIO (MODIFIED HOWITZERS).....	4
16	PAFZZ	5340010565338	19204	12008968	COVER,ACCESS (FMS ONLY).....	2
16	PAFFF	2540013046101	19200	12909179	SHIELD,EQUILIBRATOR.....	2
17	PAFZZ	5310005273634	96906	MS35335-61	WASHER,LOCK.....	8
18	PAFZZ	5305009435928	96906	MS51095-306	SCREW,CAP,HEXAGON H.....	8
19	PCODA	1290010373883	19200	11729530	QUADRANT,FIRE CONTR OL, M17.....	1
20	PAFZZ	5305014461966	80204	B1821AH050F300D	SCREW,CAP,HEXAGON H.....	4
21	PAFZZ	5310009338778	96906	MS35338-143	WASHER,LOCK.....	8
22	PCFDA	1240010397273	19200	11727800	MOUNT,TELESCOPE AND QUADRANT, M171.	1
23	PCODA	1240010380531	19200	11741101	TELESCOPE,PANORAMIC M137.....	1
24	PAHZZ	5365013434241	19200	10934603-3	SHIM (THICKNESS .002) PART OF KIT P/N 11727848 PART OF KIT P/N 11727849.....	4
25	PAHZZ	5365013434242	19200	10934603-4	SHIM (THICKNESS .003) PART OF KIT P/N 11727848 PART OF KIT P/N 11727849.....	4
26	PAHZZ	5365010405274	19200	10934603-5	SHIM (THICKNESS .004) PART OF KIT P/N 11727848 PART OF KIT P/N 11727849.....	4
27	PAHZZ	5365010405275	19200	10934603-6	SHIM (THICKNESS .005) PART OF KIT P/N 11727848 PART OF KIT P/N 11727849.....	4
28	PAHZZ	5365010405272	19200	10934603-2	SHIM (THICKNESS .0015) PART OF KIT P/N 11727848 PART OF KIT P/N 11727849.....	4
29	PAHZZ	5365010405271	19200	10934603-1	SHIM (THICKNESS .001) PART OF KIT	4

SECTION II			TM9-1025-211-34P, C2			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
30	XAHHH		19200	11741650	P/N 11727848 PART OF KIT P/N 11727849.....	1
31	PAHZZ	5310009338121	96906	MS35338-139	ADAPTER ASSEMBLY (FOR ASSEMBLY BREAKDOWN SEE FIGURE 102) PART OF KIT P/N 11727849.....	4
32	PAHZZ	5305002257774	80205	MS16996-24	WASHER, LOCK PART OF KIT P/N 11727848 PART OF KIT P/N 11727849.....	4
33	PAHHH	1025014166731	19200	12961258-1	SCREW, CAP, SOCKET HE PART OF KIT P/N 11727848 PART OF KIT P/N 11727849... SLEEVE, SPLIT ASSEMB INSTALLATION (DIAMETER .4375-.001) (FOR ASSY BKDN SEE FIG 2).....	2
34	PAHZZ	1025010394678	19200	11727843	SUPPORT STUD.....	1
35	PAHZZ	5315006821746	96906	MS16555-653	PIN, STRAIGHT, HEADLE.....	2
36	PAHZZ	5305004102891	96906	MS24674-37	SCREW, CAP, SOCKET HE.....	4
37	PAHZZ	5310009746623	96906	MS35338-140	WASHER, LOCK.....	4
38	XAHZZ		19200	11727809	ADAPTER PART OF KIT P/N 11727848....	1
39	PAFZZ	5310010375474	19204	12007984	WASHER, FLAT.....	4
40	XBDDD		19204	12007600	CARRIAGE, M39 (FOR ASSEMBLY..... BREAKDOWN SEE FIGURE 31 THRU 37).....	1
41	PCODA	1240010380530	19200	11741626	TELESCOPE, ELBOW M138.....	1
42	PAFDD	1240010377290	19200	10554823	MOUNT, TELESCOPE AND QUADRANT, M172.	1
43	PAFZZ	5305014487753	80204	B1821AH050F250D	SCREW, CAP, HEXAGON H.....	4
44	PCODA	1290010377289	19200	11729525	QUADRANT, FIRE CONTR OL, M18.....	1
	PAHZZ	1025010688737	19200	11727848	INSTALLATION KIT, MO UNTING.....	1
					ADAPTER (1) 1-38	
					BUSHING, SLEEVE (1) 116-3	
					SCREW, CAP, SOCKET HE (4) 1-32	
					SHIM (4) 1-29	
					SHIM (4) 1-24	
					SHIM (4) 1-25	
					SHIM (4) 1-26	
					SHIM (4) 1-27	
					SHIM (4) 1-28	
					WASHER, LOCK (4) 1-31	
	PAHZZ	1025010688736	19200	11727849	INSTALLATION KIT, MO UNTING.....	1
					ADAPTER ASSEMBLY (1) 1-30	
					BUSHING, SLEEVE (1) 116-3	
					SCREW, CAP, SOCKET HE (4) 1-32	
					SHIM (4) 1-29	
					SHIM (4) 1-24	
					SHIM (4) 1-25	
					SHIM (4) 1-26	
					SHIM (4) 1-27	
					SHIM (4) 1-28	
					WASHER, LOCK (4) 1-31	

END OF FIGURE

SECTION II.

ARMY TM 9-1025-211-34P
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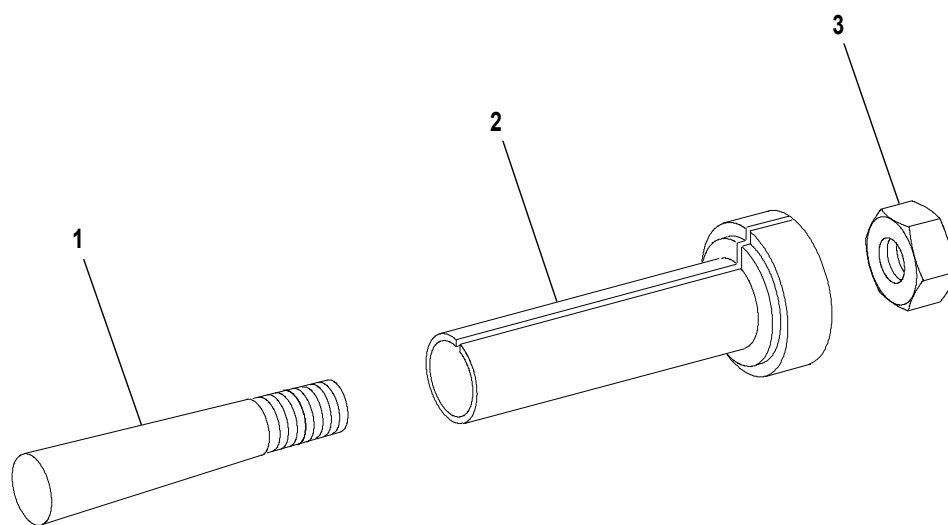


Figure 2. Sleeve, Split Assembly 12961258-1.

SECTION II			TM9-1025-211-34P, C2			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
					GROUP 0001: SLEEVE, SPLIT ASSEMBLY	
					12961258-1	
					FIG. 2 SLEEVE, SPLIT ASSEMBLY	
1	PAHZZ	5315014139818	19200	11785481	PIN,TAPERED,THREADE PART OF KIT P/N	1
					11838842.....	
2	PAHZZ	1025014180977	19200	12961259-2	SLEEVE,SPLIT PART OF KIT P/N	1
					11838842.....	
2	PBHZZ	1025014171314	19200	12961259-3	SLEEVE,SPLIT PART OF KIT P/N	1
					11838842.....	
2	KDDZZ		19200	12961259-4	SLEEVE,SPLIT PART OF KIT P/N	1
					11838842.....	
2	KDDZZ		19200	12961259-5	SLEEVE,SPLIT PART OF KIT P/N	1
					11838842.....	
2	KDDZZ		19200	12961259-6	SLEEVE,SPLIT.....	1
2	KDDZZ		19200	12961259-7	SLEEVE,SPLIT.....	1
2	KDDZZ		19200	12961259-8	SLEEVE,SPLIT.....	1
2	KDDZZ		19200	12961259-9	SLEEVE,SPLIT.....	1
3	PAHZZ	5310008405785	96906	MS35691-7	NUT,PLAIN,HEXAGON.....	1
	PADZZ	1025014178438	19200	11838842	PARTS KIT,SPLIT SLE.....	1
					PIN,TAPERED,THREADE(1) 2-1	
					SLEEVE,SPLIT (1) 2-2	
					SLEEVE,SPLIT (1) 2-2	
					SLEEVE,SPLIT (1) 2-2	
					SLEEVE,SPLIT (1) 2-2	

END OF FIGURE

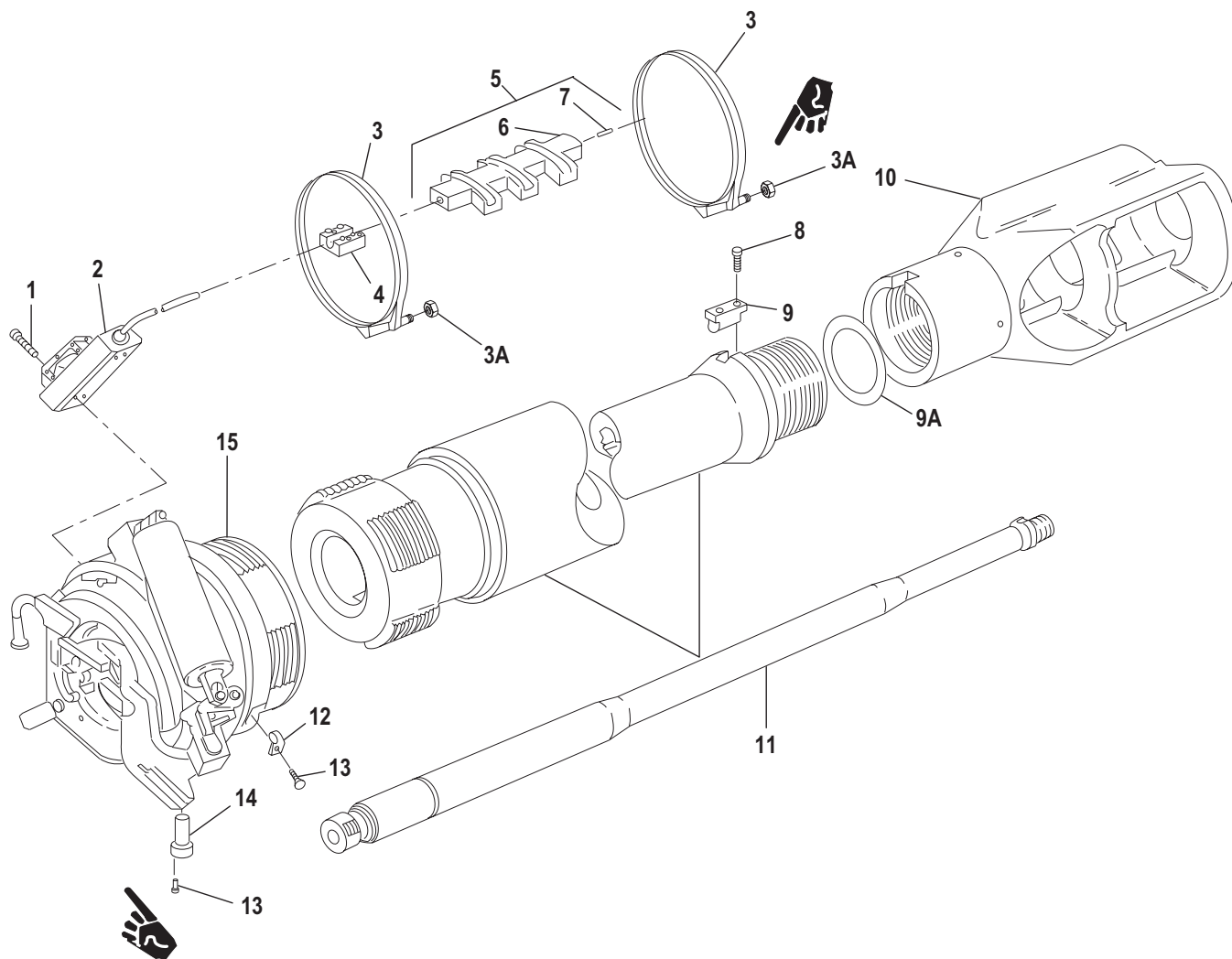
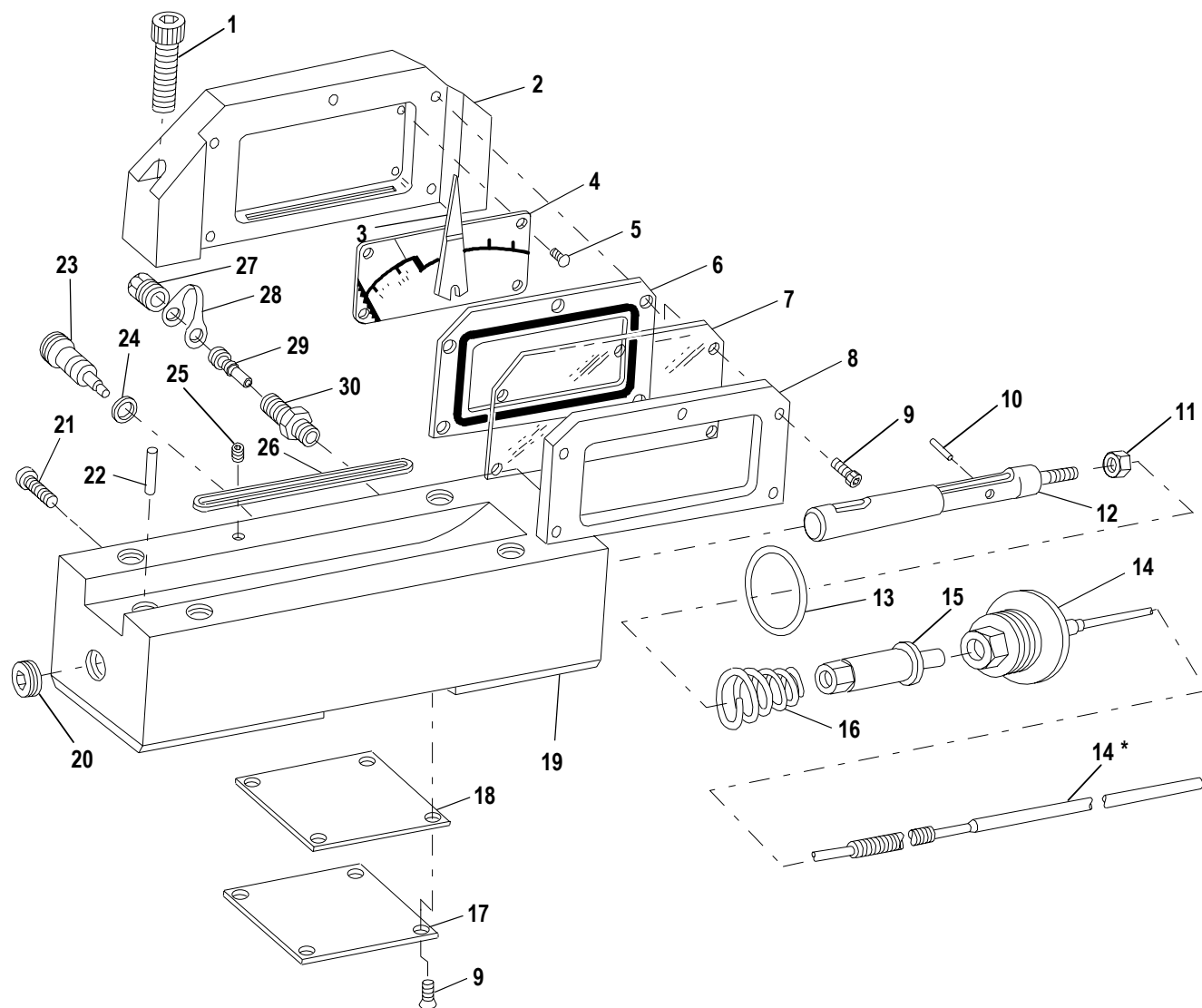


Figure 3. Cannon, M199, 11578880.

SECTION II			TM9-1025-211-34P, C2			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 01: CANNON, M199, 11578880						
FIG. 3. CANNON, M199						
1	PAFZZ	5305009837434	96906	MS16998-79	SCREW,CAP, SOCKET HE.....	4
2	PAFFF	1025010387193	19206	11578937	THERMAL WARNING DEV.....	1
3	PAFZZ	4730010407282	19206	11578958	CLAMP, HOSE.....	4
3A	PAFZZ	5310009564549	96906	MS21083C6	NUT, SELF-LOCKING, HE.....	4
4	PAFZZ	1025010297117	19206	11578896	CLAMP, BARREL.....	1
5	AFFFF		19206	11578963	HOUSING ASSEMBLY.....	1
6	PAFZZ	1025010307166	19206	11578951	..HOUSING.....	1
7	PAFZZ	5305010148907	96906	MS18066-69	..SETSCREW.....	1
8	PAOZZ	5305010820140	80204	B1821BH038C050D	SCREW, CAP, HEXAGON H.....	2
9	PAOZZ	5315010307167	19206	11578884	KEY, MUZZLE BRAKE.....	1
9A	PAOZZ	5365014445595	19206	11580779	SHIM.....	1
10	PAOZZ	1025010368589	19206	11578887	BRAKE, MUZZLE.....	1
11	PAFZA	1025010408837	19206	11578879	TUBE, CANNON.....	1
12	PAFZZ	5315010297116	19206	11578886	KEY, TORQUE.....	1
13	PAFZZ	5305010820140	80204	B1821BH038C050D	SCREW, CAP, HEXAGON H.....	2
14	PAFZZ	5315010314695	19206	11578883	KEY, TUBE LOCK.....	1
16	PAFFF	1025010592487	19206	11578890	BREECH MECHANISM ASSEMBLY (FOR ASSY BRKDN SEE FIG 5).....	1

END OF FIGURE



***NOTE**
PART OF IDENTICALLY
NUMBERED ITEM.

Figure 4. Thermal Warning Device, 11578937.

SECTION II			TM9-1025-211-34P, C2			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 0101: THERMAL WARNING DEVICE, 11578937						
FIG. 4. THERMAL WARNING DEVICE						
1	PAFZZ	5305009836622	96906	MS16997-81	SCREW,CAP, SOCKET HE.....	2
2	XDFZZ		19206	11578939	HOUSING, UPPER.....	1
3	PAFZZ	5355010439667	19206	11578947	POINTER,DIAL.....	1
4	PAFZZ	1025011083942	19206	11578949	SCALEPLATE.....	1
5	PAFZZ	5305002535607	80205	MS21318-8	SCREW, DRIVE.....	4
6	PCFZZ	5330010323552	19206	11578942	GASKET.....	1
7	PAFZZ	5355010414848	19206	11578941	WINDOW,DIAL.....	1
8	PAFZZ	1025010297111	19206	11578940	RETAINER,WINDOW.....	1
9	PAFZZ	5305008460131	80205	MS24667-20	SCREW,CAP, SOCKET HE.....	9
10	PAFZZ	5315010316978	81343	MS9390-174	PIN, STRAIGHT, HEADLE.....	1
11	PAFZZ	5310009261835	96906	MS21083C3	NUT, SELF-LOCKING, HE.....	1
12	PAFZZ	3040010413803	19206	11578948	SHAFT, SHOULDERED.....	1
13	PCFZZ	5331000540168	96906	MS29513-029	O-RING.....	1
14	PAFZZ	1025010307165	19206	11578953	THERMAL SENSING ELE.....	1
15	PAFZZ	1025010297112	19206	11578954	PLUNGER.....	1
16	PAFZZ	5360010641351	19206	11579257	SPRING, HELICAL, COMP.....	1
17	PAFZZ	1025010305227	19206	11578946	COVER, BOTTOM.....	1
18	PCFZZ	5330010401258	19206	11578945	GASKET ,BOTTOM COVER.....	1
19	XAFZZ		19206	11578938	HOUSING, LOWER.....	1
20	PAFZZ	4730012229646	81348	WW-P-471ACAAAB	PLUG, PIPE.....	1
21	PAOZZ	5305001829483	80205	MS3212-49	SCREW, MACHINE.....	1
22	PAFZZ	5315001266152	81343	MS9390-220	PIN, STRAIGHT, HEADLE.....	1
23	PAFZZ	1025010297114	19206	11578943	PIVOT, INDICATOR.....	1
24	PCFZZ	5331002483833	96906	MS29513-008	O-RING.....	1
25	PAFZZ	5305009289871	80205	NAS1081-3D8	SETSCREW.....	1
26	PCFZZ	5330010323565	19206	11578952	GASKET.....	1
27	PAOZZ	1650002224525	96906	MS20813-1	CAP, VALVE.....	1
28	PAOZZ	5340010654543	19206	11579219	STRAP RETAINER.....	1
29	PAOZZ	2640008105861	96906	MS51377-1	VALVE CORE.....	1
30	PAFZZ	4820001141096	96906	MS51607-1	STEM, FLUID VALVE.....	1

END OF FIGURE