

AMMUNITION

COMPLETE ROUND CHART

BOOK III

BOMBS, PYROTECHNICS, GRENADES, MINES,
CARTRIDGE ACTUATED DEVICES, ROCKETS, ROCKET MOTORS,
DEMOLITION MATERIAL, MISCELLANEOUS ITEMS OF AMMUNITION



1 AUGUST 1961

PICATINNY ARSENAL
DOVER, NEW JERSEY

Surv. Office

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MISCELLANEOUS ITEMS OF AMMUNITION**



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1 AUGUST 1961

**PICATINNY ARSENAL
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FOREWORD

1. The Complete Round Chart (CRC) contains basic data for the items of conventional ammunition currently in the system. The CRC series will cover all type classifications from Obsolete through Standard-A as described in AR705-6, "Research and Development of Materiel, Type Classification of Materiel". The CRC series is comprised of three (3) books, Book I, Book II & Book III and supersedes the CRC dated April 1954. The titles of these books are as follows:

Book I - Small Arms Ammunition

Book II - Artillery Ammunition

Book III- Bombs, Pyrotechnics, Grenades, Mines, Rockets, Rocket Motors,
Cartridge Actuated Devices, Demolition Material, Miscellaneous
items of Ammunition

2. The purpose of the CRC series is to provide a source of information for personnel whose official duties require them to be familiar with the data contained therein. The information contained in these charts is constantly subject to change and, therefore should be considered only as a guide or as reference material.

3. It should be noted that the Ordnance Technical Committee Minutes number is applicable only to the type classification of that particular round. In some instances more than one (1) number is referenced to reflect the complete type classification of the round.

4. Book III of the CRC supersedes sheets 24 through 46, inclusive, of the CRC dated April 1954. Book III contains basic data for items which are currently in the system.

5. Changes to book III of the CRC will be made as required. Complete revisions will be accomplished when material in the published changes and/or proposed changes exceed 25% of content of the basic publication as required in AR310-3, "Military Publications, Preparing and Processing". Recommendations, corrections, additions or deletions will be forwarded to the Commanding Officer, Picatinny Arsenal, (ATTN: ORDBB-DC5), Dover, New Jersey.

BOOK III - BOMBS, PYROTECHNICS, MINES, GRENADES,
CARTRIDGE, ACTUATED DEVICES, ROCKETS
ROCKET MOTORS, DEMOLITION MATERIAL,
MISCELLANEOUS ITEMS OF AMMUNITION

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FRAGMENTATION BOMBS																															
LINE NUMBER	OTCM NO.	BOMB									FIN ASSEMBLY		ADAPTER - BOOSTERS				FUZE				PRIMER DETONATOR		ARMING WIRE ASSEMBLY	PACKING					LINE NUMBER		
		Designation	Type (LB)	(kk) Type Classification	Complete Assembly Drawing Number	Body Assembly Drawing Number	CHARGE			Weight Loaded and Fuzed (LB)			Drawing Number	Designation	NOSE		TAIL		Drawing Number	Designation				Drawing Number	Designation	Drawing Number	Designation	Drawing Number		Designation	Drawing Number
							Drawing Number	Kind	Weight (LB)		Drawing Number	Designation			Drawing Number	Designation	Drawing Number	Designation			Drawing Number	Designation	Drawing Number								
1	36841	M40A1 ^(hh)	23	STD	82-0-29 ^(u)	82-3-252	82-14-15	75/25 ^(jj) CYCL	2.7	24.8									73-8-367	M170 ^(w/ff)	-	-			(aa/bb)		76-16-360	-	(b)	Unfuzed	1
2	36841	AN-M1A1 ^(gg)	20	STD	82-0-39	82-3-275	82-14-15	75/25 ^(jj) CYCL	2.7	20.2	82-3-276	AN-M100 ⁽ⁱ⁾ (Clustered)							A8797226	AN-M158 ^(v/ee)	-	-			(aa/bb)	(d)	76-1-1215	-	(a)	Unfuzed	2
3	36841	M72A1	23	LS	OBSOL ^(x) 82-0-90	82-3-399	82-14-15	75/25 CYCL	2.8	24.5									73-8-367	M170 ^(w/ff)	-	-			(aa/bb)		76-16-360	-	20-4-479	Unfuzed	3
4	36841	AN-M81	260	LS	OBSOL 82-0-102	OBSOL 82-3-434	OBSOL 82-14-48	COMP ^(cc) B	35.4	263.0	82-3-778 ^(o)	M135		(m/n)	82-3-129	M102A1 ^(c)	8839337	M904E1 ^(o/y)	73-8-183 ^(p)	AN-M100A2	73-8-70	M14 ^(t)	M1A1 M14	F7548564	8836098	76-16-416	OBSOL ^(g) 82-14-48	Unfuzed	4		
5	36841	M82	90	STD	82-0-105	82-3-472	82-14-49	COMP ^(z/cc) B	11.5	88.0	82-3-475	M101 ⁽ⁱ⁾ (Clustered)						8839337 ^(y)	M904E1 ^(o)	-	-			(aa/bb)	(d)	8836098	-	20-4-441 ^(f)	Unfuzed	5	
6	36841	M83	4	STD	82-0-106	82-3-456	82-14-50	TNT	1.47	3.8									73-8-852	M129 ^(q)			(aa/bb)			(h)	76-1-687 ^(k)	Fuzed	6		
7	36841	M86	120	STD	82-0-131 ^(r)	82-3-472	82-14-49	COMP ^(u) B	11.5	118.2			82-3-491	M117 ⁽ⁿ⁾				73-8-138	AN-M120A1 ^(dd)					(aa)	82-3-520	76-16-360		76-18-3	Unfuzed	7	
8	36841	AN-M88	220	STD	82-0-202	82-3-577	82-14-60	COMP ^(z) B	41.3	232.3	82-3-778 ^(e)	M135		(h)	82-3-129	M102A1 ^(c)	8839337	M904E1 ^(o/y)	73-8-471 ^(p)	M175	73-8-70	M14 ^(t)	M1A1 M14	F7548564	8836098	76-16-416	76-39-21 ^(g)	Unfuzed	8		
9	36841	M128	20	STD	D8797225 ⁽ⁱ⁾ C8797649	D8797229	D8797228	75/25 ^(jj) CYCL	2.7	24.7	C8798240 D8798247	M145 M146						A8797226	AN-M158					(aa/bb) M31	(d) C8798240	76-1-597 ⁽¹¹⁾	(b) Pallet 76-18-6	Unfuzed	9		
10																															10
11																															11
12																															12
13																															13
14																															14
Col. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Col. No.		

SYMBOLS

STD - Standard
 LS - Limited Standard
 AN - Army - Navy
 COMP - Composition
 CYCL - Cyclotol
 TNT - Trinitrotoluene
 OBSOL - Obsolete
 OTCM - Ordnance Technical Committee Minutes
 MIN - Minute

NOTES

(a) - See Cluster, Packing and Marking, Dwg. 76-16-262.
 (b) - See Cluster, Packing and Marking, Dwg. 20-4-352.
 (c) - Adapter, Booster, M102 may be used.
 (d) - Shipped on Bombs in clusters.
 (e) - Fin Assembly, M103 may be used. Fin Assembly M135 STD for high altitude and/or high speed bombing and dive bombing.
 (f) - For Cluster, Packing and Marking, see Dwg. 20-4-441.
 (g) - Bomb as shipped.
 (h) - Assembled to and shipped with bomb.
 (i) - See Cluster, Packing and Marking Dwg. 20-4-549.
 (j) - Auxiliary Booster, M104, Dwg. 82-3-212.
 (k) - Fuze Seat Liner, see Dwg. C8799695.
 (l) - AN-M103A1, has been superseded by Fuze, Bomb, Nose, M904E1. (OTCM A701).
 (m) - Fuze, Bomb, Tail AN-M100A1, Dwg. 73-8-3 with Primer Detonator, M14, Non-Delay may be used.
 (n) - Fuze, Bomb, M130 (10,20,30,40,50,60, MIN delay) and Fuze, Bomb, M131 (Anti-Disturbance) may be used.
 (o) - Parachute Unit, M5, Dwg. 82-3-517.

(t) - M14, Non-Delay, Packing and Marking Dwg. 7548470.
 (u) - Parachute Unit, M3, Dwg. 82-3-265.
 (v) - Detonator, M20, Dwg. 73-2-187.
 (w) - Detonator, M10A2, Dwg. 73-2-186.
 (x) - Parachute Unit, M4, Dwg. 82-3-400 (OBSOL).
 (y) - Alternative - Fuze, Bomb, Nose, M163, Dwg. 73-8-363.
 (z) - TNT substitute filler, Wt. 10.9 Lbs.
 (aa) - Arming Wires issued separately Dwg. 82-3-234.
 (bb) - See Clusters.
 (cc) - Some Bombs loaded with TNT.
 (dd) - Nose Fuze, M120, LS.
 (ee) - Nose Fuze, AN-M10A1, LS.
 (ff) - Nose Fuze, AN-M120A1, LS, also AN-M120.
 (gg) - AN-M14, LS.
 (hh) - AN-M10, LS.
 (jj) - Substitute, Standard, Cast TNT Grade I. Substitute, Standard, Cast COMP B, Grade A.
 (kk) - Refer to AR 705-6. For USAF and USN use only.
 (ll) - Box Packing Dwg. 76-1-1215 and 76-1-1216.

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 SHEET NO. 1

GENERAL PURPOSE BOMBS-SMALL (100 & 250 LB)																													
LINE NUMBER	OTCM NO.	BOMB (GP)								FIN ASSEMBLY		ADAPTER - BOOSTERS				FUZE (gg)				PRIMER DETONATOR		ARMING WIRE ASSEMBLY	PACKING					LINE NUMBER	
		Weight Classification (LB)	Designation	(j) Type Classification	Complete Assembly Drawing Number	(p) Body Drawing Number	(ff) CHARGE					Weight Loaded and Fuzed (LB)	NOSE		TAIL		NOSE (kk)		TAIL (ee)				FIN ASSEMBLY		FUZE		BOMB		
							(c) Drawing Number	Kind	Weight (LB)	Drawing Number	Designation		Drawing Number	Designation	Drawing Number	Designation	Drawing Number	Designation	Drawing Number	Designation	Drawing Number	Designation	Drawing Number	Nose Dwg. No.	Tail Dwg. No.	Drawing Number	Shipped		
1	36841	100	AN-M30	LS	82-0-12	82-3-187	82-14-8	Amatol	51.1	112.3	82-3-437	(v/x/z) AN-M103A1 M135	(g)	82-3-129	M102A1	8839337	(d/hh) M904E1	(q)	(t)	(a)	(b)	(y)	76-16-500	8836098	(s)	(n)	Unfuzed	1	
2	36841	100	AN-M30A1	STD	82-0-12	82-3-187	82-14-8	(aa) Tritonal (Cast)	62.0	123.5	82-3-437	(v/x/z) AN-M103A1 M135	(g)	82-3-129	M102A1	8839337	(d/hh) M904E1	(q)	(t)	(a)	(b)	(y)	76-16-500	8836098	(s)	(n)	Unfuzed	2	
3	36841	250	AN-M57	LS	82-0-60	82-3-317	82-14-30	(bb) TNT	127.0	261.0	82-3-192	(o/v/w) M106A1	(e/g)	82-3-129	M102A1	8839337	(d/hh) M904E1	(u)	(a)	(b)	(y)	(1) 20-4-283	8836098	(s)	(m/n)	Unfuzed	3		
4	36841	250	AN-M57A1	STD	82-0-60	82-3-317	82-14-30	(bb) TNT	127.0	263.65	82-3-192	(o/v/w) M106A1	(e/g)	82-3-129	M102A1	8839337	(d/hh) M904E1	(u)	(a)	(b)	(y)	(1) 20-4-283	8836098	(s)	(m/n)	Unfuzed	4		
5	36841	250	AN-M57A1	STD	82-0-60	82-3-317	82-14-30	(f) Tritonal	136.0	272.35	82-3-192	(o/v/w) M106A1	(g)	82-3-129	M102A1	8839337	(d/hh) M904E1	(u)	(a)	(b)	(y)	(1) 20-4-283	8836098	(s)	(m/n)	Unfuzed	5		
6	36841	250	AN-M57A1	STD	82-0-162	82-3-317	82-14-30	(h) Tritonal	136.0	290.5	82-3-740	M126	(g)	82-3-129	M102A1	8839337	(d/hh) M904E1	(cc)	(b)	(y)			76-16-505	8836098	8797097 8797101 8797104	(m/n)	Unfuzed	6	
7																												7	
8																												8	
9																												9	
10																												10	
11																												11	
12																												12	
13																												13	
14																												14	
Col. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Col. No.
SYMBOLS STD - Standard LS - Limited Standard GP - General Purpose AN - Army - Navy TNT - Trinitrotoluene OTCM - Ordnance Technical Committee Minutes SEC - Second VT - Variable Time (Proximity) NOTES (a) - Primer, Detonator, M14, Dwg. 73-8-68, 73-8-67, 73-8-70; Can, Packing, Dwg. 76-7-548. May be used in Tail, Fuze, AN-M100A1 and AN-M100A2; Fuze equipped with .025 SEC delay. (b) - Packing and Marking, Dwg. 7548470 and 8796522. (c) - Bomb as shipped. (d) - Nose, Fuzes; VT, M166 or VT, M168 may be used. (e) - Auxiliary Booster, M104, Dwg. 82-3-212 (2 required) one in nose and one in tail. Used only with Amatol Loading. Packing, see Dwg. 76-16-201. (f) - TNT - Filler substitute. (g) - Fuze Seat Liner, see Dwg. 82-3-182. (h) - Inert seal used. (j) - Refer to AR 705-6. (k) - Fuzes, M163, M164, AN-M139A1 or AN-M140A1 may be used. (l) - Alternate crate 250 Lb., Dwg. 20-4-327. (m) - Pin lock nut protector, Dwg. 82-3-427. (n) - For bomb marking, see Loading drawing listed under "CHARGE" column. (o) - Fin Assembly, M106A1 is STD for Navy only. (OTCM 34587); otherwise Pin, M126 is STD (OTCM 33452). (p) - Band suspension, M1, Dwg. 82-3-308 (for use on dive bombers only). (q) - Tail Fuzes, M112A1 (73-8-112), M123A1 (73-8-169 and 73-8-170) and M132 (73-8-199) are additional types for 100 Lb. GP, Bombs. (s) - Tail Fuzes, AN-M100A1 and AN-M100A2 for Container see Dwg. 76-1-222. (t) - Tail Fuze AN-M100A1 may be used. (u) - Following fuzes also may be used: M112A1 with M16A1 Primer Detonator 8 to 15 or 4 to 5 SEC delays. M123A1 with 1,2,6,12,24,36,72, 144 hour delays. M123A1 (Note (a) applies). (v) - Fin Lock Nuts for special purposes M1-100 and 250 Lb. GP. (w) - Fin Assembly, M106 and M106A1 are LS. (x) - Fin Assembly, M135 STD for high altitude and/or high speed bombing and dive bombing. (y) - Use Arming Wire, M1 or M1A1, Dwg. 82-3-234. (z) - Fin Assembly, M102 or M102A1 are LS. (aa) - Some bombs loaded with TNT, Wt. 57 Lbs. (bb) - Some bombs loaded with Amatol. (cc) - Alternative - Fuze, Bomb, Tail, M175. (dd) - Alternative - Fuze, Bomb, Nose, M163. (ee) - Fuze, Bomb, Tail, M178 and M181 (STD) w/100, 250 and 500 Lb. GP Bombs equipped with conical Fin Assembly. (ff) - LS when loaded with explosives other than Tritonal. (gg) - Refer to SM-9-1325. (hh) - Fuze, Nose, M904E1 supersedes and replaces AN-M103A1 (OTCM 36514). (kk) - Anti-Ricochet device M16, LS for 100 and 250 LB. GP. Bombs (OTCM 36514). Parachute Unit, M7. Adapter Fuze, M202, Fuze, Bomb, Tail M151. PREPARED BY: FICATINNY ARSENAL DOVER, NEW JERSEY ISSUED: 1 AUGUST 1961 SHEET NO. 2																													

GENERAL PURPOSE BOMBS - 500 LB, 1000 LB, 2000 LB AND 4000 LB																														
LINE NUMBER	OTCM NO	BOMB (GP) (dd)									(p)		ADAPTER - BOOSTERS				(v)				PRIMER DETONATOR		(a)	PACKING					LINE NUMBER	
		Weight Classification (LB)	Designation	(as) Type Classification	Complete Assembly Drawing Number	Metal Parts Drawing Number	CHARGE			Weight Loaded and Fused (LB)	FIN ASSEMBLY		NOSE		TAIL		(kk) NOSE		TAIL		Drawing Number	Designation	Designation	ARMING WIRE ASSEMBLY	FIN ASSEMBLY	FUZE		BOMB		
							Drawing Number	Kind	Weight (LB)		Drawing Number	Designation	Drawing Number	Designation	Drawing Number	Designation	Drawing Number	Designation	Drawing Number	Designation						Nose Drawing Number	Tail Drawing Number	(f) Packing and Marking		Shipped
1	36841	500	AN-M43 (g)	LS	OBSOL 82-0-27	OBSOL 82-3-244	OBSOL 82-14-13	Amatol	260	908	OBSOL 82-3-246	M108		(e/d)	82-3-129	M102 (d)	8839337	M904E1	73-8-7	AN-M101A2	73-8-69	M14	AN-M7A1	20-4-286	8836098	76-16-416 (m)	76-39-17	Unfuzed	1	
2	36841	500	AN-M64 (g)	LS	82-0-74	82-3-357	82-14-37	TNT (x)	268	547	82-3-359	AN-M109A1 (s/y)		(e/d)	82-3-356	M115 (d)	8839337	M904E1	73-8-7	AN-M101A2	73-8-69	M14	AN-M7A1	20-4-286	8836098	76-16-416 (m)	76-39-17	Unfuzed	2	
3	36841	500	AN-M64A1 (g)	STD	82-0-74	82-3-357	82-14-37	TNT (x)	264	545	82-3-359	AN-M109A1 (s/y)		(e/d)	82-3-356	M115A1 (d)	8839337	M904E1	73-8-7	AN-M101A2	73-8-69	M14	AN-M7A1	20-4-286	8836098	76-16-416 (m)	76-39-17	Unfuzed	3	
4	36841	500	AN-M64A1 (g)	STD	82-0-74	82-3-357	82-14-37	Tritonal (q)	283	568	82-3-359	AN-M109A1 (s/y)		(e)	82-3-356	M115A1	8839337	M904E1	73-8-7	AN-M101A2	73-8-69	M14	AN-M7A1	20-4-286	8836098	76-16-416 (m)	76-39-17	Unfuzed	4	
5	36841	500	AN-M64A1 (g)	STD	82-0-160	82-3-357	82-14-37	Tritonal (q)	283	585	82-3-747	M128A1		(b)	82-3-356	M115A1	8839337	M904E1	73-8-470	M172	73-8-69	M14	M13	P81357	8836098	8797097 8797101 8797104	76-39-17	Unfuzed	5	
6	36841	1000	AN-M44 (h)	LS	OBSOL 82-0-28	OBSOL 82-3-248	OBSOL 82-14-14	Amatol	528	994	82-3-350	M112		(e/d)	82-3-129	M102 (d)	8839337	M904E1	73-8-8	AN-M102A1	73-8-69	M14	AN-M7A1	20-4-288	8836098	76-16-416 (m)	76-39-18	Unfuzed	6	
7	36841	1000	AN-M65A1 (n/h)	STD	82-0-75	82-3-361	82-14-38	TNT (x)	555	1023	82-3-363	AN-M113A1 (r/z)		(e/d)	82-3-356	M115A1	8839337	M904E1	73-8-8	AN-M102A1	73-8-69	M14	AN-M7A1	20-4-288	8836098	76-16-416 (m)	76-39-18	Unfuzed	7	
8	36841	1000	AN-M65A1 (mm) (n/h)	STD	82-0-75	82-3-361	82-14-38	Tritonal (q)	595	1104	82-3-363	AN-M113A1 (r/z)		(e)	82-3-356	M115A1	8839337	M904E1	73-8-8	AN-M102A1	73-8-69	M14	AN-M7A1	20-4-288	8836098	76-16-416 (m)	76-39-18	Unfuzed	8	
9	36841	1000	AN-M65A1 (mm) (n/h)	STD	82-0-161	82-3-361	82-14-38	Tritonal (q)	595	1205	82-3-751	M129 (t)		(e)	82-3-356	M115A1	8839337	M904E1 (b)	73-8-470	M176	73-8-69	M14	M13	P81360	8836098	76-16-416 (m)	76-39-18	Unfuzed	9	
10	36841	2000	AN-M34 (k)	LS	OBSOL 82-0-16	OBSOL 82-3-198	OBSOL 82-14-11	Amatol (bb)	1059	2049	82-3-200	AN-M116A1 (aa)		(e/d)	82-3-129	M102 (d)	8839337	M904E1	73-8-8	AN-M102A2	73-8-69	M14	AN-M8A1	20-4-291	8836098	76-16-416 (m)	76-39-7	Unfuzed	10	
11																													11	
12																													12	
13																													13	
14																													14	
Col. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Col. No.	

SYMBOLS

STD - Standard
LS - Limited Standard
AN - Army - Navy
GP - General Purpose

NOTES

- (a) - For Arming Wire Assemblies, see Dwg. 82-3-234, Packing Dwg. 76-1-522.
(b) - Alternative - Fuze, Nose, M163, Dwg. 73-8-363.
(d) - Auxiliary Booster, M104, Dwg. 82-3-212 (2 Required), one in Nose and one in Tail. Now used in Amatol loaded bombs. For packing see Dwg. 76-16-201.
(e) - Fuze Seat Liner, Dwg. 82-3-182.
(f) - For Bomb Marking see Loading drawings listed under "CHARGE" columns.
(g) - Band, Trunnion, AN-M1A1, Dwg. 82-3-310. Used on dive bombers only.
(h) - Band, Trunnion, AN-M1A2, Dwg. 82-3-310. Used on dive bombers only.
(k) - Band, Trunnion, AN-M7, Dwg. 82-3-423. Used on dive bombers only.
(m) - Tail Fuzes, AN-M101A2 and M113A1 Containers, Dwg. 76-1-224. Tail Fuzes, AN-M101A2 and M114A1 Containers, Dwg. 76-1-225. Tail Fuzes, AN-M100A2 and M112A1 Containers, Dwg. 76-1-222.
(n) - M65, GP, 1,000 LB., Bombs on hand, LS.
(p) - Fin Lock Nuts for Special Purpose.
M2 - 500 and 1,000 Lb, GP.
M3 - 2,000 Lb, GP.
(q) - TNT substitute filler.
(r) - Fin Assembly, M124 (modified M113A1) for use when externally mounted on high speed airplanes. Fuze, Bomb, Tail, M175, M176, M177, and Vane, Fuze, Bomb Tail M4 and M5 are STD.
(s) - Fin Assembly, M123 (modified M109A1) for use when externally mounted on high speed airplanes.

(Notes and symbols continued on next sheet)

PREPARED BY:
PICATINNY ARSENAL
DOVER, NEW JERSEY
ISSUED: 1 AUGUST 1961
SHEET NO. 3

GENERAL PURPOSE BOMBS - 500 LB, 1000 LB, 2000 LB, AND 4000 LB (Continued)

GENERAL PURPOSE BOMBS - 500 LB, 1000 LB, 2000 LB, AND 4000 LB (Continued)																															
LINE NUMBER	OTCM NO.	BOMB (GP) (dd)									PIN ASSEMBLY (p)		ADAPTER - BOOSTERS				FUZE (v)				PRIMER DETONATOR		ARMING WIRE ASSEMBLY (a)	PACKING					LINE NUMBER		
		Weight Classification (LB)	Designation	(ee) Type Classification	Complete Assembly Drawing Number	Metal Parts Drawing Number	CHARGE			Weight Loaded and Fuzed (LB)			NOSE		TAIL		(kk) NOSE		TAIL					Drawing Number	Designation	Drawing Number	Designation	Drawing Number		Designation	Drawing Number
							Drawing Number	Kind	Weight (LB)		Drawing Number	Designation	Drawing Number	Designation	Drawing Number	Designation															
1	36841	2000	(k) AN-M66	LS	82-0-76	82-3-365	82-14-39	(x) TNT	1096	2103	82-3-200	(aa) AN-M116A1	(e/d)	(d) 82-3-356	M115	8839337	M904E1	73-8-8	AN-M102A2	73-8-69	M14	AN-M8A1	20-4-291	8836098	(m) 76-16-416	76-39-7	Unfuzed	1			
2	36841	2000	(mm)(k) AN-M66A1	LS	82-0-76	82-3-365	82-14-39	(x) TNT	1096	2103	82-3-200	(aa) AN-M116A1	(e/d)	(d) 82-3-356	M115A1	8839337	M904E1	73-8-8	AN-M102A2	73-8-69	M14	AN-M8A1	20-4-291	8836098	(m) 76-16-416	76-39-7	Unfuzed	2			
3	36841	2000	(mm)(k) AN-M66A2	LS	82-0-76	82-3-365	82-14-39	(x) TNT	1097	2098	82-3-200	(aa) AN-M116A1	(e/d)	(d) 82-3-356	M115A1	8839337	M904E1	73-8-8	AN-M102A2	73-8-69	M14	(cc) AN-M8A1 M16	20-4-291	8836098	(m) 76-16-416	76-39-7	Unfuzed	3			
4	36841	2000	(mm)(k) AN-M66A2	STD	82-0-76	82-3-365	82-14-39	(g) Tritonal	1181	2196	82-3-200	(aa) AN-M116A1	(e)	(d) 82-3-356	M115A1	8839337	M904E1	73-8-8	AN-M102A2	73-8-69	M14	(cc) AN-M8A1 M16	20-4-291	8836098	(m) 76-16-416	76-39-7	Unfuzed	4			
5	36841	2000	(mm)(k) AN-M66A2	STD	82-0-193	82-3-365	82-14-39	(q) Tritonal	1181	2283	82-3-741	(u) M130	(e)	(d) 82-3-356	M115A1	8839337	M904E1	73-8-472	M177	73-8-69	M14	(cc) M16		8836098	8797097 8797101 8797104	(m) 76-39-18	Unfuzed	5			
6	36841	4000	M56 LC	LS	82-0-55	82-3-302	82-12-29	(x) TNT	3352	4340	82-3-305	(ff) M118A2	(gg/e)	(d) 82-3-129	M102	8839337	M904E1	73-8-72	AN-M102A2	(hh) 73-8-70	M14	M10	20-4-280	8836098	(m) 76-16-416	76-39-10	Unfuzed	6			
7	36841	4000	M56A1 LC	STD	82-0-55	82-3-302	82-12-29	(x) TNT	3345	4368	82-3-305	(ff) M118A2	(gg/e)	(d) 82-3-129	M102A1	8839337	M904E1	73-8-72	AN-M102A2	(hh) 73-8-70	M14	M10	20-4-280	8836098	(m) 76-16-416	76-39-10	Unfuzed	7			
8	36841	4000	M56A2 LC	STD	82-0-55	82-3-302	82-12-29	(x) TNT	3345	4365	82-3-305	(ff) M118A2	(gg/e)	(d) 82-3-356	M115A1	8839337	M904E1	73-8-72	AN-M102A2	(hh) 73-8-70	M14	M10	20-4-280	8836098	(m) 76-16-416	76-39-10	Unfuzed	8			
9	36841	4000	M56A2 LC	STD	82-0-55	82-3-302	82-12-29	(q) Tritonal	3581	4605	82-3-305	(ff) M118A2	(gg/e)	(d) 82-3-356	M115A1	8839337	M904E1	73-8-72	AN-M102A2	(hh) 73-8-70	M14	M10	20-4-280	8836098	(m) 76-16-416	76-39-10	Unfuzed	9			
10																												10			
11																												11			
12																												12			
13																												13			
14																												14			
Col. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Col. No.		

SYMBOLS

TNT - Trinitrotoluene
LC - Light Case
OTCM - Ordnance Technical Committee Minutes
OBSOL - Obsolete

NOTES

(b) - Conical Fin, M129, STD for high speed and/or high altitude bombing and dive bombing.
(u) - Conical Fin, M130, STD for high speed and/or high altitude bombing and dive bombing with Arming Wire M16 Dwg. 82-3-234.
(x) - Some bombs loaded with Amatol.
(y) - Can use Fin Assembly, M109 or M109A1.
(z) - Can use Fin Assembly, M113 or M113A1.
(aa) - Can use Fin Assembly, M116 or M116A1.
(bb) - Some bombs loaded with TNT.

(cc) - M16 used when bomb indicated is fitted with its authorized Conical Fin Assembly.
(dd) - Refer to SM-9-5-1125.
(ee) - Refer to AR 705-6.
(ff) - Can use Fin Assembly M118 or M118A1.
(gg) - Auxiliary Booster, M111, Dwg. 82-3-307.
(hh) - Primer Detonator, M14, Non-delay, issued with Fuze for this bomb.
(kk) - Fuze, Bomb, Nose, M904E1 supersedes and replaces Fuze, Bomb, Nose, M103A1.

PREPARED BY:
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ISSUED: 1 AUGUST 1961
SHEET NO. 4

ARMOR PIERCING AND SEMI-ARMOR PIERCING BOMBS (x)

LINE NUMBER	OTCM NO.	BOMB									FIN ASSEMBLY		ADAPTER-BOOSTER		(v) FUZES				PRIMER DETONATORS		(f) ARMING WIRE ASSEMBLY	PACKING					LINE NUMBER		
		Weight Classification (LB)	(z) Designation	(x/w) Type Classification	Complete Assembly Drawing Number	Metal Parts Drawing Number	CHARGE			Weight Loaded and Base (LB)			TAIL		NOSE		TAIL		Drawing Number	Designation		Drawing Number	Designation	Drawing Number	Designation	Designation		FIN ASSEMBLY	FUZE
							Loading Assembly Drawing Number	Kind	Weight (LB)		Drawing Number	Designation	Drawing Number	Designation	Drawing Number	Designation	Nose Drawing Number	Tail Drawing Number			Packing Marking								Shipped
1	36841	500	(m) AN-M58A2 (SAP)	STD	82-0-61	82-3-323	82-14-31	TNT	(a) (b) 152	552	82-3-327	(t) AN-M110A1	82-3-129	(k) M102A1		(g)	73-8-7	(p) AN-M101A2	(r) 73-8-69	M14	AN-M6A2	20-4-287	-	(1) 76-16-416	(c/d) 76-39-20	Unfuzed	1		
2	36841	500	(m) AN-M58A2 (SAP)	STD	82-0-61	82-3-323	82-14-31	Picratol	(a) (b) 154	554	82-3-327	(t) AN-M110A1	82-3-129	(k) M102A1		(g)	73-8-7	(p) AN-M101A2	(r) 73-8-69	M14	AN-M6A2	20-4-287	-	(1) 76-16-416	(c/d) 76-39-20	Unfuzed	2		
3	36841	500	(y/m) AN-M58A1 (SAP)	LS	82-0-61	82-3-323	82-14-31	TNT	(a) 139	510	82-3-327	(t) AN-M110A1	82-3-129	(k) M102		(g)	73-8-7	(p) AN-M101A2	(r) 73-8-69	M14	AN-M6A2	20-4-287	-	(1) 76-16-416	(c/d) 76-39-20	Unfuzed	3		
4	36841	1000	(n) AN-M59 (SAP)	LS	82-0-62	82-3-329	82-14-32	TNT	(a) 311	1006	82-3-332	(u) AN-M114A1	82-3-129	(k) M102		(g)	73-8-8	(q) AN-M102A2	(r) 78-8-69	M14	AN-M6A2	20-4-290	-	(1) 76-16-416	(c/d) 76-39-19	Unfuzed	4		
5	36841	1000	(n) AN-M59A1 (SAP)	STD	82-0-62	82-3-329	82-14-32	TNT	(a) 315	1037	82-3-332	(u) AN-M114A1	82-3-129	(k) M102A1		(g)	73-8-8	(q) AN-M102A2	(r) 78-8-69	M14	AN-M6A2	20-4-290	-	(1) 76-16-416	(c/d) 76-39-19	Unfuzed	5		
6	36841	1000	(a) AN-M59A1 (SAP)	STD	82-0-62	82-3-329	82-14-32	Picratol	(h) 320	1042	82-3-332	(u) AN-M114A1	82-3-129	(k) M102A1		(g)	73-8-8	(q) AN-M102A2	(r) 78-8-69	M14	AN-M6A2	20-4-290	-	(1) 76-16-416	(c/d) 76-39-19	Unfuzed	6		
7	36841	1000	(a) AN-MK33 (AP)	LS	Navy 829,536	Navy 310,093	Navy 301,091	EXPL D	(h) 140	1008	Navy 328,811	-		(e)			Navy 236,220	AN-MK228			AN-M6A2	Navy 328,382	-	-	Navy 328,384	Unfuzed	7		
8	36841	1000	(a) AN-MK33 MOD 1(AP)	STD	Navy 829,536	Navy 329,971	Navy 301,091	EXPL D	(h) 140	1008	Navy 328,811	-		(e)			Navy 236,220	AN-MK228			AN-M6A2	Navy 328,382	-	-	Navy 328,384	Unfuzed	8		
9	36841	1000	(a) AN-MK33 MOD 2(AP)	STD	Navy 829,536	Navy 329,432	Navy 301,091	EXPL D	(h) 140	1008	Navy 328,811	-		(e)			Navy 236,220	AN-MK228			AN-M6A2	Navy 328,382	-	-	Navy 328,384	Unfuzed	9		
10	36841	1000	(a) AN-MK33 MOD 3(AP)	STD	Navy 829,536	Navy 375,075	Navy 301,091	EXPL D	(h) 140	1008	Navy 328,811	-		(e)			Navy 236,220	AN-MK228			AN-M6A2	Navy 328,382	-	-	Navy 328,384	Unfuzed	10		
11	36841	1600	(a) AN-MK1 (AP)	LS	Navy 829,431	Navy 328,870	Navy 328,867	EXPL D	(h) 209	1590	Navy 294,201	-		(e)			Navy 236,220	AN-MK228			AN-M6A2	Navy 300,211	-	-	Navy 328,869	Unfuzed	11		
12	36841	1600	(a) AN-MK1 MOD 1(AP)	STD	Navy 829,431	Navy 329,974	Navy 328,867	EXPL D	(h) 209	1590	Navy 294,201	-		(e)			Navy 236,220	AN-MK228			AN-M6A2	Navy 300,211	-	-	Navy 328,869	Unfuzed	12		
13	36841	1600	(a) AN-MK1 MOD 1(AP)	STD	Navy 829,431		Navy 328,867	EXPL D	(h) 209	1590	Navy 294,201	-		(e)			Navy 236,220	AN-MK228			AN-M6A2	Navy 300,211	-	-	Navy 328,869	Unfuzed	13		
14	36841	1600	(a) AN-MK1 MOD 3(AP)	STD	Navy 829,431	Navy 329,901	Navy 328,867	EXPL D	(h) 209	1590	Navy 294,201	-		(e)			Navy 236,220	AN-MK228			AN-M6A2	Navy 300,211	-	-	Navy 328,869	Unfuzed	14		
15	36841	2000	(a) M103 (SAP)	STD	82-0-133	82-3-581	82-14-61	Picratol	(h) 556	2039	82-3-584	M117A1	82-3-356	(k) M115A1			73-8-8	AN-M102A2	(r) 73-8-69	M14	AN-M6A2	20-14-516	-	(1) 76-16-416	(c/d) 76-39-26	Unfuzed	15		
Col. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Col. No.		

SYMBOLS

EXPL - Explosive
STD - Standard
LS - Limited Standard
AP - Armor Piercing
SAP - Semi-Armor Piercing
TNT - Trinitrotoluene
MOD - Modification
AN - Army - Navy
SEC - Second

NOTES

(k) - Similar weight bombs are the same except for the mating threads of bomb body and base plug.
(b) - Uses inert seals.
(c) - Fin Lock Nut Protector, Dwg. 82-3-427.
(d) - For Bomb Marking, see Loading drawing listed under "CHARGE" column.
(e) - Uses auxiliary booster.
(f) - For Arming Wire Assemblies, see Dwg. 82-3-234. Packing Box 76-1-1309.
(g) - Fuze Seat Liner, Dwg. 82-3-182; Nose Plug Dwg. 82-3-326.
(h) - TNT, substitute filler.
(k) - Auxiliary Booster, M104, Dwg. 82-3-212, (1 required) one in tail, for Packing see Dwg. 76-16-201. Now used only in Ametol and Picratol loaded bombs.
(l) - Tail Fuze, AN-M101A1 and AN-M101A2, Container Dwg. 76-1-224.
(m) - Band, Trunnion, AN-M4, Dwg. 82-3-338 (for use on dive bombers only).
(n) - Band, Trunnion, AN-M5A1, Dwg. 82-3-339 (for use on dive bombers only).
(p) - Tail Fuze, M13A1, Dwg. 78-8-114 may be used. Uses Primer Detonator, M16A1, Dwg. 73-8-83 and 73-8-84. Tail Fuzes, M12A1, M133 and M161 may also be used.
(q) - Tail Fuze, M14A1, Dwg. 73-8-116 may be used. Uses Primer Detonator, M16A1, Dwg. 73-8-83 and 73-8-84.

(r) - Primer Detonator, M14
Dwg. 73-8-67 - .10 SEC delay
Dwg. 73-8-68 - .01 SEC delay
Dwg. 73-8-70 - Non-delay (may be used in Tail Fuzes, AN-M101A1, AN-M101A2, AN-M102A1 and AN-M102A2; Fuzes equipped with .025 SEC delay).
(s) - Some bombs loaded with Ametol.
(t) - Can use Fin Assembly, M110
(u) - Can use Fin Assembly, M114.
(v) - Refer to SM-9-1325.
(w) - Refer to AR 705-6.
(x) - USAF and USN use only.
(y) - AN-M58, SAP, Bombs on hand, LS.
(z) - Some bombs designated AN-MK54 (MOD 1), Depth Bombs are on hand, (STD). These bombs used only by USN, may be loaded with HEX-1, TNT or Torpex. Loaded and fuzed, these bombs weigh 346 Lbs. For complete assembly see Navy Dwg. 438064.

PREPARED BY:
PICATINNY ARSENAL
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ISSUED: 1 AUGUST 1961
SHEET NO. 5

PRACTICE, TARGET AND LEAFLET BOMBS																									
LINE NUMBER	OTCM NUMBER	BOMB												FUZES				ARMING WIRE ASSEMBLY		PACKING				LINE NUMBER	
		Type	Weight Classification (LB)	Designation	(dd/t) Type Classification	Complete Assembly Drawing Number	Metal Parts Drawing Number	SPOTTING CHARGE			INERT CHARGE		Weight Loaded and Fuzed (LB)	NOSE		TAIL				Bomb Body Drawing Number	FUZE		Arming Wire Assembly Drawing Number		
								Loading Assembly Drawing Number	Type	Weight (LB)	Kind	Weight (LB)		Drawing Number	Designation	Drawing Number	Designation	Nose Drawing Number	Tail Drawing Number						
1	36841	PRAC	23	(bb/e/f) M71A1	STD	82-0-91	82-3-253	-	-	-	-	-	21.10	-	-	-	-	82-3-267	-	20-4-386	-	-	-	1	
2	36841	PRAC	100	M38A2	STD	82-0-23	82-3-213	82-3-228	M1A1 ^(a)	4.25	Sand ^(z)	80.	100.00	-	-	-	-	82-3-234	AN-M6A2	76-16-391 ^(s)	-	76-16-214	76-1-1309 ^(w) 76-1-1310	2	
3	36841	PRAC	250	(r/u) M124	STD	82-0-211	82-3-826	7548107	M39A1 ^(v)	11.5	Sand	162.3	235.50	73-8-490	M193	-	-	82-3-234	M19 ^(w)	76-1-1662 ^(s) 76-1-1663 (FIN)	-	-	76-1-1752 ^(w) 76-1-1751	3	
4	36841	PRAC	23	(f/cc) M73	LS	82-0-91	82-3-253	-	-	-	-	-	21.00	-	-	-	-	82-3-267	-	20-4-386	-	-	-	4	
5	36841	PRAC	100	M85 ^(oo)	LS	82-0-96	82-3-405	82-3-228	M1A1 ^(a)	4.25	Reinforced Concrete	95	109.5	-	-	(a)	82-3-228			82-3-407		76-16-214		5	
6	36841	TP	100	(g/aa) M75A1	STD	82-0-97	82-3-409	82-14-45	- ^(c)	72.0	-	-	101.22	73-8-444	M108 ^(d)	-	-	82-3-409	-	76-16-109A ^(s) 76-16-410	OBS	76-16-238	-	-	6
7	36841	Leaflet	100	M104	STD	82-0-147	82-3-439 ^(h)	-	-	-	-	-	26.61 ^(k)	78-8-336	M155A1 ^(m)	-	-	82-3-439	-	20-4-584	76-16-365	-	76-1-1309 ^(w) 76-1-1310	7	
8	36841	Leaflet	500	M105	LS	82-0-148	82-3-446 ^(x)	-	-	-	-	-	73.12 ^(k)	73-8-336	M155A1 ^(m)	-	-	82-3-234 82-3-446	AN-M6A2	20-4-588	76-16-365	-	76-1-1309 ^(w) 76-1-1310	8	
9	36841	Leaflet	500	M105A1	STD	82-0-192	82-3-759 ^(x)	-	-	-	-	-	180.15	73-8-336	M155E3 ^{(b)(m)} MT	-	-	82-3-234 82-8-761	AN-M6A2	20-4-588 76-1-671 76-1-670A	76-16-365	-	76-1-1309 ^(w) 76-1-1310	9	
10	36841	Leaflet	750	M129	STD	FXP-87682	FXP-87683 ^(p)	-	-	-	-	-	-	F84190A	(n/q/r) AN-M147 A1	-	-	82-3-234	M31	-	-	-	76-1-1761 ^(w) 76-1-1762	10	
11																								11	
12																								12	
13																								13	
14																								14	
Col. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Col. No.	

SYMBOLS

STD - Standard
 LS - Limited Standard
 PRAC - Practice
 TP - Target Practice
 MT - Mechanical Time
 OBS - Obsolete
 OTCM - Ordnance Technical Committee Minutes
 OBSOL - Obsolete
 CHG - Charge

NOTES

- (a) - Spotting Charge, M3 and M4 also may be used Dwg. 82-3-402 and 82-3-496 respectively.
 (b) - Fuze, Bomb, Nose, M155E2, Dwg. 73-8-336, may be used as alternate.
 (c) - Uses Red-Iron Oxide (Hematite).
 (d) - Fuze uses pressure plate, Dwg. 82-3-410.
 (e) - Parachute Unit, M3, Dwg. 82-3-265.
 (f) - Parachute Unit, M4, (Dwg. 82-3-400 OBSOL), for M73, Bomb is LS.
 (g) - Uses Burst, AN-M4, Dwg. 82-3-281.
 (h) - Adapter Cluster, M15A2.
 (k) - Weight empty.
 (m) - Some M155 Fuzes on hand. (OTCM 34875) LS.
 (n) - When Mechanical Fuze is used, Adapter Booster, T59 must be inserted in fuze well before fuze is assembled, Dwg. XP-96527.
 (p) - Protector, Nose, Dwg. 8798539.
 (q) - Protector, Base, Dwg. 8798554.
 (r) - Fuze, Mechanical, AN-M147A1, Dwg. F-64190A.
 (s) - Fuze, Electrical, T906, Detonating Cord XP-87503.
 (t) - Substitute STD - Uses Fin Assembly, Bomb, M140, assembled to Bomb, Igniter Spotting Charge. M32, Arming Wire. M19, Spotting Charge. M39, Fuze, Bomb, Nose, M193.
 (u) - Fin Assembly, AN-103A1, or M125A1 Dwg. 76-16-500.
 (v) - Refer to AH 705-6.
 (w) - Two suspension lugs welded to bomb body.
 (x) - Spotting Charge Igniter, M32 (T39).
 (y) - One Arming Wire Assembly shipped with Fin Assembly.
 (z) - Adapter - Cluster, Bomb, M16A1 Modified.
 (aa) - Cable Assembly, Fuze Control, M36-TL3D-399-3.
 (bb) - Filler, two parts sawdust, one part sand may be used for special purposes.
 (cc) - TP, Bomb, M75 is LS.
 (dd) - PRAC, Bomb, M71 is LS.
 (ee) - PRAC, Bomb, M73A1 is LS.
 (ff) - Used by the USAF and USN only.
 (gg) - Uses Fin Assembly, M105, Dwg. 82-3-406.

PREPARED BY:
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 SHEET NO. 6

BOMBS - TARGET IDENTIFICATION & PHOTOFLASH																											
LINE NUMBER	OTCM NO.	(a) Type Classification	Nomenclature	Complete Assembly Drawing Number	Designation	Illuminant Weight (LB)	Weight Loaded and Fuzed (LB)	LOADING ASSEMBLY		EXPPELLING CHARGE			CANDLE ASSEMBLY			Case Drawing Number	FUZE IGNITION			FIN ASSEMBLY		ARMING WIRES		PACKING			LINE NUMBER
								Drawing Number	Number of Candles	Drawing Number	Kind	Weight (OZ)	Drawing Number	Designation	Color		Drawing Number	Designation	Type	Drawing Number	Designation	Drawing Number	Designation	Bomb Body Drawing Number	Fin Assembly Drawing Number	Arming Wire Drawing Number	
1	36841	STD	Bomb, Red 250 LB-TI	78-0-83	M91	16.6	241	78-2-401	16	78-2-403	BP	4.0	78-0-99	M103 (1)	Red	78-2-384	73-2-328	M146A1	MT	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309	1
2	36841	STD	Bomb, Green 250 LB-TI	78-0-83	M91	18.8	248	78-2-401	16	78-2-403	BP	4.0	78-0-99	M103 (2)	Green	78-2-384	73-2-328	M146A1	MT	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309	2
3	36841	STD	Bomb, Yellow 250 LB-TI	78-0-83	M91	13.9	242	78-2-401	16	78-2-403	BP	4.0	78-0-99	M103 (3)	Yellow	78-2-384	73-2-328	M146A1	MT	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309	3
4	36841	STD	Bomb, Red-Green 250 LB-TI	78-0-83	M100	70.1	265	78-2-401	61	78-2-403	BP	4.0	78-0-111	M107 (22)	Red-Green	78-2-384	73-2-328	M146A1	MT	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309	4
5	36841	STD	Bomb, Yellow-Green 250 LB-TI	78-0-83	M100	66.1	265	78-2-401	61	78-2-403	BP	4.0	78-0-111	M107 (23)	Yellow Green	78-2-384	73-2-328	M146A1	MT	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309	5
6	36841	STD	Bomb, Red-Yellow 250 LB-TI	78-0-83	M100	58.9	258	78-2-401	61	78-2-403	BP	4.0	78-0-111	M107 (24)	Red-Yellow	78-2-384	73-2-328	M146A1	MT	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309	6
7	36841	LS	Bomb, Red 250 LB-TI	78-0-83	M89	63.4	241	78-2-401	61	78-2-403	BP	4.0	78-0-99	M103 (1)	Red	78-2-384	73-2-328	M146A1	MT	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309	7
8	36841	LS	Bomb, Green 250 LB-TI	78-0-83	M89	71.8	262	78-2-401	61	78-2-403	BP	4.0	78-0-99	M103 (2)	Green	78-2-384	73-2-328	M146A1	MT	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309	8
9	36841	LS	Bomb, Yellow 250 LB-TI	78-0-83	M89	56.7	245	78-2-401	61	78-2-403	BP	4.0	78-0-99	M103 (3)	Yellow	78-2-384	73-2-328	M146A1	MT	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309	9
10	36841	LS	Bomb, Red 250 LB-TI	78-0-83	M90	59.3	246	78-2-401	57	78-2-403	BP	4.0	78-0-99	M103 (1)	Red	78-2-384	73-2-328	M146A1	MT	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309	10
11	36841	LS	Bomb, Green 250 LB-TI	78-0-83	M90	66.1	262	78-2-401	57	78-2-403	BP	4.0	78-0-99	M103 (2)	Green	78-2-384	73-2-328	M146A1	MT	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309	11
12	36841	LS	Bomb, Yellow 250 LB-TI	78-0-83	M90	53.0	247	78-2-401	57	78-2-403	BP	4.0	78-0-99	M103 (3)	Yellow	78-2-384	73-2-328	M146A1	MT	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309	12
13	36841	LS	Bomb, Red 250 LB-TI	78-0-83	M98	32.2	256	78-2-401	31	78-2-403	BP	4.0	78-0-99	M103 (1)	Red	78-2-384	73-2-328	M146A1	MT	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309	13
14	36841	LS	Bomb, Green 250 LB-TI	78-0-83	M98	35.9	265	78-2-401	31	78-2-403	BP	4.0	78-0-99	M103 (2)	Green	78-2-384	73-2-328	M146A1	MT	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309	14
15	36841	LS	Bomb, Yellow 250 LB-TI	78-0-83	M98	28.8	255	78-2-401	31	78-2-403	BP	4.0	78-0-99	M103 (3)	Yellow	78-2-384	73-2-328	M146A1	MT	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309	15
16	36841	LS	Bomb, Red Smoke 100 LB-TI	82-0-121	M84	72.0	103	(b) 82-14-53	—	73-8-331	Tetryl	7.6 Grains	—	—	—	82-3-409	73-8-330	(d) M147A1	MT	82-3-410	—	82-3-234	M3	20-4-504	—	—	16
Col. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Col. No.

See Sheet 8 for Notes, Symbols and Loading Assembly Chart.

PREPARED BY:
 PICATINNY ARSENAL
 DOVER, NEW JERSEY
 ISSUED: 1 AUGUST 1961
 SHEET NO. 7

BOMBS - TARGET IDENTIFICATION & PHOTOFLASH																			
LINE NUMBER	OTCM NO.	(a) Type Classification	Complete Assembly Drawing Number	Nomenclature	Designation	Illuminant Weight (LB)	Weight Loaded and Fuzed (LB)	EXPPELLING CHARGE			Case Drawing Number	IGNITION			Approximate Burning Time	Approximate Candle power	PACKING		LINE NUMBER
								Drawing Number	Kind	Weight (OZ)		Drawing Number	Type	Delay in Seconds			Inner Packing Drawing Number	Outer Packing Drawing Number	
1	36841	STD	78-0-133	Bomb, Photoflash	(e/f) M120A1	82.0	160	(r) 78-2-536	BP	4.0	78-2-537	(g) 73-8-328	MT	VAR	.04 Second	(h) 1,375,000,000		(k) 76-39-21	1
2	36841	STD	78-0-131	Bomb, Photoflash	(e/f) M120A1	82.0	173	(r) 78-2-536	BP	4.0	78-2-537	(g) 73-8-328	MT	VAR				(k) 76-39-21	2
3	36841	STD	78-0-135	Bomb, Photoflash	(m) M122	75.0	107	(o) 82-3-756	(1) Bursting M26	1.86-Lbs.	78-2-551	(p) 73-8-330	MT	VAR		26,000,000		(n/s) 76-1-1145	3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12
13																			13
14																			14
15																			15
16																			16
Col. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Col. No.

SYMBOLS

STD - Standard
 LS - Limited Standard
 OTCM - Ordnance Technical Committee Minutes
 TI - Target Identification
 BP - Black Powder
 MT - Mechanical Time
 OZ - Ounces
 COMB - Combination
 VAR - Variable

NOTES

- (a) - Refer to AR 705-6.
 (b) - Loaded with 72 Lbs. Red-Iron Oxide (Hematite).
 (c) - Fuze, Bomb, Nose, MT, AN-M144, Dwg. 72-8-332 on Fuze, Bomb, Nose, MT, M155A1, STD. Fuze, MT, M155 and AN-M146, LS.
 (d) - Fuze, MT, M147A1, STD. Fuze, MT, M147, LS.
 (e) - Bomb, Photoflash, M120, substitute standard.
 (f) - With Pin Assembly, M125A1, 82-3-755 and Trail Plate Kit, M42A2, 82-3-765. Trail Angle Kit, M43, 82-3-766.
 (g) - Fuze, Bomb, Nose, MT, AN-M146A1 and AN-M146 shipped separately.
 (h) - Average intensity during burning time.
 (k) - Pin Assembly, M125A1, 82-3-755 shipped separately. Arming Wire Assembly, AN-M642, Dwg. 82-3-234 shipped separately. Trail Plate Kit M42A2, 83-3-765 shipped separately.
 (1) - Burster, M26A1 and M26 type classified STD and LS respectively for Bomb, Photoflash, M122.
 (m) - Bomb, Photoflash, M122 is for use up to 20,000 feet. Alternate Bomb, Photoflash M120A1 up to 30,000 feet. Alternate Trail Plate Kit, M42A2 and Trail Angle Kit, M43, for use with M122, M120A1 and M120 Photoflash Bombs.
 (n) - Pin assembled to bomb.
 (o) - Loading Assembly, 78-2-542. Metal Parts Assembly, 78-2-543A.
 (p) - Arming Wire Assembly, 78-2-543B to be packed and shipped with Loading Assembly, 78-2-542A. Fuze, Bomb, Nose, M147A1.
 (r) - Metal Parts Assembly, 78-2-537.
 (s) - Box, Packing for Burster, M26, 76-1-1172.

Loading Assembly for TI Bombs				
Type	Candle	Burning Time Minutes	Candlepower	Delay Time Minutes
M103 (1)	Non-Delay, Red	3	25,000	-
M103 (2)	Non-Delay, Green	3	5,000	-
M103 (3)	Non-Delay, Yellow	3	12,000	-
M105 (4)	Exploding, Red	1	25,000	-
M105 (5)	Exploding, Red	1 1/2	25,000	-
M105 (6)	Exploding, Red	2	25,000	-
M105 (7)	Exploding, Green	1	5,000	-
M105 (8)	Exploding, Green	1 1/2	5,000	-
M105 (9)	Exploding, Green	2	5,000	-
M105 (10)	Exploding, Yellow	1	12,000	-
M105 (11)	Exploding, Yellow	1 1/2	12,000	-
M105 (12)	Exploding, Yellow	2	12,000	-
M105 (13)	Delay, Red	1 1/2	20,000	2 3/4
M104 (14)	Delay, Red	1 1/2	20,000	4
M104 (15)	Delay, Red	1 1/2	20,000	5 1/4
M104 (16)	Delay, Green	1 1/2	5,000	2 3/4
M104 (17)	Delay, Green	1 1/2	5,000	4
M104 (18)	Delay, Green	1 1/2	5,000	5 1/4
M104 (19)	Delay, Yellow	1 1/2	12,000	2 3/4
M104 (20)	Delay, Yellow	1 1/2	12,000	4
M104 (21)	Delay, Yellow	1 1/2	12,000	5 1/4
M107 (22)	Combination, Red-Green	3	Red-25,000 Green-5,000	
M107 (23)	Combination, Yellow-Green	3	Yellow-12,000 Green-5,000	
M107 (24)	Combination, Yellow-Red	3	Yellow-12,000 Red-25,000	

PREPARED BY:
 PICATINNY ARSENAL
 DOVER, NEW JERSEY
 ISSUED: 1 AUGUST 1961
 SHEET NO. 8

PRACTICE UNIT																						
LINE NUMBER	OTCM NO.	PRACTICE UNIT											PIN ASSEMBLY		NOSE FUZE	ARMING WIRE	PACKING			LINE NUMBER		
		Type	Designation	(n) Type Classification	Weight Loaded and Fuzed (LB)	Bomb Assembly Drawing Number	Assembly Drawing Number	IGNITER, SPOTTING CHARGE ASSEMBLY		SPOTTING CHARGE ASSEMBLY		Forward section & Nose Assembly Drawing Number	Center Section Assembly Drawing Number	Rear Section Assembly Drawing Number	Designation	Drawing Number	Drawing Number	Drawing Number	Ignition Kit Drawing Number		Pin Assembly Drawing Number	Bomb Assembly Drawing Number
1	36841	Practice Unit	M20	STD A	-	F8804332	-	-	-	-	F8804333	F8804341	F8804349	F8804366	-	-	-	-	-	F8796665	1	
2	36841	Practice Unit	M21A1	STD A		F8807119	F8807117	-	-	-	-	D8807126	F8807127	F8807128	M137A1	F8807120	-	-	-	(e) F8807251	2	
3		Practice Unit	M22	STD A		F8806666 F8806670	F8806665	-	-	-	-	-	-	F8806675	M138	F8806675	-	-	-	F8806821 Crate AMMO	3	
4	36841	Practice Unit	M23	STD A		K8787900	F8787658	-	-	-	-	(1) D8787988	K8787683	F8787680	M142	(a) K8787901 F8787929	-	(j) B8787671 C8787672	-	F8804730	(k) F8804729	4
5	36841	Practice Unit W/SC and Fuze	M23	STD A		-	F8808648	M144	F8808651	M142	F8808653	-	K8787658	-	-	(b) F8808650	(c) A8787645 A8787646	F8808662	-	-	-	5
6	36841	Practice Unit	M25	STD A		(h) F8804567	(f) F8804566	-	-	-	-	(g) -	-	-	M147	(d) F8804656 F8804674	-	-	F8808662	-	F7549008	6
7	36841	Practice Unit W/SC and Fuze	M25	STD A		-	F8808659	M143	F8808652	M141	F8808660	-	-	-	-	(b) F8808650	-	-	-	-	-	7
8																					8	
9																					9	
10																					10	
11																					11	
12																					12	
13																					13	
14																					14	
Col. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Col. No.

SYMBOLS

STD - Standard
ASSY - Assembly
SC - Spotting Charge
AMMO - Ammunition
OTCM - Ordnance Technical Committee Minutes

NOTES

(a) - Actuator ASSY, Dwg. C8787981.
(b) - Fuze, Bomb, Nose, M193.
(c) - Arming Cable, Dwg. A8787645.
(d) - Pin Tail ASSY, Dwg. F8804674.
(e) - Crate Packing, Forward Section.
(f) - Pairing Nose, M2, Dwg. 8797294.
(g) - Windshield ASSY, Dwg. F8804570.
(h) - Nose Adapter ASSY, Dwg. C8804574.
(i) - Body, Dwg. F8804573.
(j) - Harness ASSY, Dwg. C8787672, Arming Cable ASSY Dwg. B8787671.
(k) - Crate Packing, AMMO, Dwg. 8804729.
(l) - Fuze Well ASSY, Dwg. 8787675.
(m) - Intermediate Section ASSY.
(n) - Refer to AR 705-6.

PREPARED BY:
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DOVER, NEW JERSEY
ISSUED: 1 AUGUST 1961
SHEET NO, 9

NEW SERIES GENERAL PURPOSE BOMBS - 750 LB; 3,000 LB; 10,000 LB; 12,000 LB.																											
LINE NUMBER	OTCM NO.	BOMB (q)								FIN ASSEMBLY		ADAPTER - BOOSTER (k)				FUZES (n)				(s)		PACKING				LINE NUMBER	
		Weight Classification (LB)	Designation	Type Classification	Complete Assembly Drawing Number	Metal Parts Drawing Number	CHARGE (h)					Drawing Number	Designation	NOSE		TAIL		NOSE		TAIL		PRIMER DETONATOR	ARMING WIRE ASSEMBLY	FIN ASSEMBLY	FUZE		(c) BOMB
							Loading Assembly Dwg. No.	Kind	Weight (LB)	Weight Loaded and Fuzed (LB)	Drawing Number			Designation	Drawing Number	Designation	Drawing Number	Designation	Drawing Number	Designation	Designation				Designation		Drawing Number
1		750	M117 (T54E3)	STD	8796758	8796756	8796757	Tritonal 80-20	386	805	8796768	M131 (T152E2)	D8799251	M126A1	8796855	T46E4 (s)	8839337 8796779	M904E1 or M163	8796769	M190	M14	(b) T10	P8798825	76-1-262 (OBS) 8836098	P8797628 P8797629	8796753	1
2		750	M117 (T54E3)	STD	8796759	8796756	8796757	Tritonal 80-20	386	798	8796768	M131 (T152E2)	-	-	-	-	8896783	M990	8796783	M990	-	(b) T10	P8798825	8835929 8835928	8835929 8835928	8796753	2
3		3,000	M118 (T55E8)	STD	OBS 82-0-208	82-3-787	82-14-74	Tritonal 80-20	1710	3008	82-3-794	M132 (T153E3)	D8799251	M126A1	8796855	T46E4 (s)	8839337 8796779	M904E1 or M163	73-8-479	M191	M14	(e) T12	P8798765	76-1-262 (OBS) 8836098	P8797628 P8797629	83-4-793	3
4		3,000	M118 (T55E8)	STD	OBSOL 82-0-197	82-3-787	82-14-74	Tritonal 80-20	1710	3008	82-3-794	M132 (T153E3)	-	-	-	-	8796783	M990	8796783	M990	-	(e) T12	P8798765	8835929 8835928	8835929 8835928	82-3-793	4
5		10,000	M121 (T56E4)	STD	P8796805	8796807	8796808	Tritonal 80-20	8215	10,800	8796817	M133 (T154E3)	D8799251	M126A1	8796774	T46E3 (g)	8839337 8796779	M904E1 or M163	8796831	M192	M14	(d) T12	P8798791	76-1-262 (OBS) 8836098	P8797628 P8797629	76-18-26	5
6		10,000	M121 (T56E4)	STD	P8796806	8796807	8796808	Tritonal 80-20	8215	10,800	8796817	M133 (T154E3)	-	-	-	-	8796783	M990	8796783	M990	-	(d) T12	P8798791	8835929 8835928	8835929 8835928	76-18-26	6
7		12,000	M123	STD	82-0-200	82-3-799	82-14-73	Tritonal 90-20	4260	12,816	(p) M134 (T135E7)	D8799251	M126A1	8796774 8796855	T46E3 T46E4	-	-	73-8-479 B100,130	M189 (o) ELEC M990	M14	M30 (T22) 82-3-818	76-16-527	-	-	76-18-29	7	
8																											8
9																											9
10																											10
11																											11
12																											12
13																											13
14																											14
Col. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Col. No.

SYMBOLS

STD - Standard
GP - General Purpose
ASSY - Assembly
TNT - Trinitrotoluene
VT - Variable Time (Proximity)
OBS - Obsolete
OBSOL - Obsolescent
OTCM - Ordnance Technical Committee Minutes
MECH - Mechanical
ELEC - Electrical
SEC - Second

NOTES

- (a) -- Alternative - Adapter-Booster, T46E3, Dwg. 8796774.
(b) - Arming Wire ASSY, Dwg. 8796780.
(c) - Bomb Shipping weight: All bombs shipped unfused and without Fin Assembly.
750 lb., Bomb - as shipped - 775 Lbs.
3,000 lb., Bomb - as shipped - 2896 Lbs.
10,000 lb., Bomb - as shipped - 10,807 Lbs.
(d) - Arming Wire ASSY, Dwg. 8796854.
(e) - Arming Wire ASSY, T12, Dwg. 82-3-234, with MECH fuzeing. Cable ASSY, Fuze Control, T15, Dwg. 30D54-0115-2.
(g) - Alternative - Adapter-Booster, T46E4, Dwg. 8796855 is not required when T46E3 is used.
(h) - Cast, 80-20 Tritonal, Specification PA-FD-126. Some bombs loaded TNT.
(k) - Adapter-Boosters are issued and shipped separately and installed in field.
(n) - When VT, T750 (M910) fuze system is required, use special Adapter-Booster in tail only. Nose, VT, T750; Tail, MECH, T750; Fuze Control Cable, T8 for M117 Bomb, Fuze Control Cable, T15 for M118 Bomb, Fuze Control Cable, T16 for M121, Bomb. Arming Wire ASSY'S T10 for M117 and M121 Bombs and T12 for M118 Bomb. Type of Arming, Vane. When VT, T768 Fuze system is required, use Electric Fuze, M990 in the tail. No Adapter-Booster is used with Fuze, T768. The two Fuzes are electrically connected through the fuze control cable in the bomb. Fuze is armed by electrical means, no arming wire is required. Cable Assembly Fuze Control Dwg. 7542491 and 7542492.

- (o) - Auxiliary Booster, M131, Dwg. 82-3-784, 159 Lbs. Three in each bomb.
(p) - Fin ASSY, Bomb, M134, Booster, Auxiliary, Bomb, M131, Cable ASSY special purpose, Electric M29 (T17). Cable ASSY, special purpose, Electric M51 (T5) (Expendable Items).
(q) - Refer to TB-9-1980.
(r) - Refer to AR 705-6.
(s) - Primer - Detonator, Fuze, Bomb: M14
Seconds Delay Drawing Number
0.1 - SEC delay 73-8-67
0.01 - SEC delay 73-8-68
0.025 - SEC delay 73-8-69
Non-delay 73-8-70
0.24 - SEC delay 73-8-354

PREPARED BY:

PICATINNY ARSENAL

DOVER, NEW JERSEY

ISSUED: 1 AUGUST 1961

SHEET NO. 10

CLUSTER AND ADAPTERS - FOR 20 LB AND 23 LB FRAG BOMBS																			
LINE NUMBER	OTCM NO.	CLUSTER				BOMB				CLUSTER ADAPTER		RELEASE MECHANISM			CLUSTER PACKING				LINE NUMBER
		Drawing Number	Designation	Weight as Dropped (LB)	(k/n) Type Classification	Assembly Drawing Number	Type (WT)	Designation	Number per Cluster	Drawing Number	Designation	Drawing Number	Type	Designation	Bombs in Clusters Shipped	Fuze Cluster (if Any)	Shipped	Packing Box Drawing Number	
1	36841	82-0-69	M1A1	125.	LS	82-0-39	20Lb	FRAG AN-M41	6	82-3-350	M1A1 (a)	82-3-350	MECH	-	Fuzed	None	Complete	76-16-262	1
2	36841	82-0-69	AN-M1A2	128.	STD	82-0-39	20Lb	FRAG AN-M4A1	6	82-3-350	AN-M1A3	82-3-350	MECH	-	Unfuzed	None	In- (e) complete	76-16-262	2
3	36841	82-0-82	M4 (h)	87.2	LS	82-0-29	23Lb	FRAG M40	3	82-3-378	M3 (h)	82-3-378	MECH	-	Fuzed	None	Complete	20-4-352 (m)	3
4	36841	82-0-82	M4A1	87.2	LS	82-0-29	23Lb	FRAG M40A1	3	82-3-378	M3	82-3-378	MECH	-	Unfuzed	None	In complete	20-4-352 (m)	4
5	36841	82-0-82	(a/r/g) M4A2	87.2	STD	82-0-29	23Lb	FRAG M40A1	3	82-3-378	M3A1	82-3-378	MECH	-	Unfuzed	None	In complete	20-4-352 (m)	5
6	36841	82-0-92	M5	84	STD	82-0-91	23Lb	FRAG M71A1 (d)	3	82-3-378	M3A1 (b)	82-3-378	MECH	-	No Fuze	None	Complete	20-4-352 (m)	6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12
13																			13
14																			14
Col. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Col. No.

SYMBOLS

STD - Standard
 LS - Limited Standard
 FRAG - Fragmentation
 MECH - Mechanical
 PRAC - Practice
 OTCM - Ordnance Technical Committee Minutes

NOTES

- (a) - Some Clusters designated AN-M1A1 using AN-M1A2, Adapters have wider U-Type suspension Lugs.
 (b) - M3 Adapters may be used.
 (c) - Fuzes for Bombs are shipped separately to using services and inserted prior to dropping of Clusters.
 (d) - M71, Bomb may be used.
 (e) - Install Cluster in plane with parachute case forward.
 (f) - Cluster, FRAG, Bomb, M4A1 (100 Lb.) (3Bomb, FRAG, 23 Lb, M40 or M40A1, unfuzed) is the same as the M4A2 except that it employs the Adapter, Cluster, M3.
 (g) - Cluster, FRAG, Bomb, M4 (100 Lb.) (3 Bomb, FRAG, 23 Lb., M40, with Fuze, Bomb, Nose, M120, M120A1 or M170 is the same as the M4A2 except that it uses the Bomb M40 and the Cluster, Adapter, M3. The M4 is issued fuzed.
 (h) - Some clusters designated AN-M4 using AN-M3 Adapters, have wider U-Type suspension.
 (k) - Refer to AR 705-6.
 (m) - Superseded by Dwg's. F8796517, sheets 1,2 and 3; F8796518 and F8796519.
 (n) - For USAF and USN use only.

PREPARED BY:
 PICATINNY ARSENAL
 DOVER, NEW JERSEY
 ISSUED: 1 AUGUST 1961
 SHEET NO. 11

PIROTECHNICS - SIGNALS, GROUND, ILLUMINATION AND SMOKE (CONTINUED)

SERIAL NUMBER	OTCH NO.	Nomenclature	Ammo Designation	Type Classification	Assembly Drawing Number	Projector or Launcher	Weight Loaded and Fuzed (oz)	ILLUMINANT OR SMOKE CHARGE			Body Assembly Drawing Number	Parachute Assembly Drawing Number	Stabilizer Drawing Number	IGNITION SYSTEM		Delay in Seconds	PRIMER		EXPELLING CHARGE			(Approx) Burning Time	(Approx) Candle-Powder	PACKING		SERIAL NUMBER	
								Type	Weight (oz)	Drawing Number				(d)	PROPELLING CHARGE		Weight (gr)	Type and Designation	Drawing Number	Drawing Number	Kind			Weight (gr)	Inner Pack Drawing Number		Outer Pack Drawing Number
1		Signal, ILLUM, Ground, Amber Star, Cluster	M22A2	STD-B	78-0-36	(e)	16.96	Amber COMP	3.5	78-2-301	78-2-308	None	78-2-310	M3 or M6	SKMIS P	15.	-	-	78-2-306	BP	16.	7.	2,000	76-1-1143	76-16-232	1	
2		Signal, ILLUM, Ground, Amber Star, Cluster	M22A2B2	STD-B	78-0-55	(c)	16.96	Amber COMP	3.5	78-2-301	78-2-331	None	78-2-310	M3 or M6	SKMIS P	15.	-	-	78-2-306	BP	16.	7.	2,000	76-1-1144	76-16-354	2	
3		Signal, ILLUM, Ground, Red Star, PARA	M51A2	STD-B	78-0-37	(c)	16.36	Red COMP	2.	78-2-300	78-2-308	78-2-353	78-2-310	M3 or M6	SKMIS P	15.	-	-	78-2-307	BP	16.	25.	20,000	76-1-1143	76-16-232	3	
4		Signal, ILLUM, Ground, Red Star, PARA	M51A2B2	STD-B	78-0-54	(c)	16.36	Red COMP	2.	78-2-300	78-2-331	78-2-353	78-2-310	M3 or M6	SKMIS P	15.	-	-	78-2-307	BP	16.	25.	20,000	76-1-1144	76-16-354	4	
5		Signal, ILLUM, Ground, Red Star, Cluster	M52A2	STD-B	78-0-38	(c)	17.49	Red COMP	3.75	78-2-301	78-2-308	None	78-2-310	M3 or M6	SKMIS P	15.	-	-	78-2-306	BP	16.	7.	35,000 ⁽¹⁾	76-1-1143	76-16-232	5	
6		Signal, ILLUM, Ground Red Star, Cluster	M52A2B2	STD-B	78-0-55	(c)	17.49	Red COMP	3.75	78-2-301	78-2-331	None	78-2-310	M3 or M6	SKMIS P	15.	-	-	78-2-306	BP	16.	7.	35,000 ^(b)	76-1-1144	76-16-354	6	
7		Signal, ILLUM, Ground, Green Star, Cluster	M125E1	STD-A	8797920	(e)	18.5	Green COMP	2.5	8797956	8797961	None	-	None	BP PROP COMP	663.	-	PERC No.68	8797920	BP	12.	8.	9,000 ^(b)	F7548414	F7548415	7	
8		Signal, ILLUM, Ground, Red Star, PARA	M126E1	STD-A	8797968	(e)	18.5	Red COMP	2.5	8797971	8797961	8797991	-	None	BP PROP COMP	663.	-	PERC No.68	8797968	BP	12.	50.	5,000	F7548414	F7548415	8	
9		Signal, ILLUM, Ground, White Star, PARA	M127E1	STD-A	8797968	(e)	18.5	White COMP	2.5	8797981	8797961	8797991	-	None	BP PROP COMP	663.	-	PERC No.68	8797968	BP	12.	25.	125,000	F7548414	F7548415	9	
10		Signal Ground, Green Smoke, PARA	M128E1	STD-A	8797996	(e)	18.5	Smoke COMP	2.5	8797998	8797961	8797991	-	None	BP PROP COMP	663.	-	PERC No.68	8797996	BP	12.	6.-15. ^{SEC}	Smoke	F7548414	F7548415	10	
11		Signal, Ground, Red Smoke, PARA	M129E1	STD-A	8797996	(e)	18.5	Smoke COMP	2.5	8797998	8797961	8797991	-	None	BP PROP COMP	663.	-	PERC No.68	8797996	BP	12.	6.-15. ^{SEC}	Smoke	F7548414	F7548415	11	
12		Signal, ILLUM, Ground, Red Star, PARA	M131(766E1)	STD-A	8838071	(f)	19.2	Red COMP	1.6	8838055	8838044	8838056	-	(g)	BP	31.	-	PERC M42	74-2-66	BP	34.7	30.	10,000	8837837	8837838	12	
13																										13	
14																										14	
Col No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Col No.

SEE SHEET NO. 13 FOR SYMBOLS AND NOTES.

PREPARED BY:
PIROTECHNICS ARSENAL
POWER, NEW JERSEY
ISSUED: 1 AUGUST 1961
SHEET NO. 14

PYROTECHNICS-PHOTOFLASH CARTRIDGES; IGNITER, RAM JET ENGINE; FUSEE; FIRECRACKER, AND, MARKER																						
COL NO.	OTCM NO.	Nomenclature	Designation	(a) Type Classification	Complete Assembly Drawing Number	Weight Loaded and Fuzed (LB)	INITIATOR		FUZE			PYROTECHNIC CHARGE							PACKING			
							Drawing Number	Type	Drawing Number	Type	Delay Time	Drawing Number	Type	Weight (LB)	OUTPUT				Inner Packing Drawing Number	Outer Packing Drawing Number		
															Burning Time	Candle-powder	Candle-powder Seconds	Sound Level				
	1	36841	Cartridge, Photoflash	M112A1 ^(d)	STD-A	78-0-114	1.0	74-2-90	Primer ELEC. M59	78-2-540	Barium Chromate-boron	1,2,4 SEC.	78-2-534	Photo Flash Powder	.44	0.040 SEC.	-	1.2 X 10 ⁶	-	76-1-1330	76-1-1331	1
	2	36841	Cartridge, Photoflash	M123A1 ^(d)	STD-A	78-0-134	4.3	74-2-90	Primer ELEC. M59	78-2-549	Barium Chromate-boron	2,4,6 SEC.	78-2-546	Photo Flash Powder	1.75	0.040 SEC.	-	4. X 10 ⁶	-	7548472	7548473	2
	3	36841	Cartridge, Photoflash, PRAC.	M121	STD-A	78-0-132	1.0	74-2-90	Primer ELEC. M59	-	-	-	78-2-541	Dummy	.70	-	-	-	-	76-1-1383	76-1-1382	3
	4	36841	Cartridge, Photoflash, PRAC.	M124	STD-A	78-0-137	4.3	74-2-90	Primer ELEC. M59	-	-	-	78-2-552	Dummy	2.80	-	-	-	-	7548472	7548473	4
	5	36841	Fire Cracker	M80	STD-A	8847437	.01	-	-	8847437	Firecracker Fuse	3 to 7 SEC.	8847437	Flash COMP.	.007	INST.	-	-	-	8853677	8853678	5
	6	36841	Fusee, Red, 20 MIN ^(b)	M72	STD-A	78-0-94	.64	78-2-449	Charge, Priming	-	-	-	78-2-449	ILLUM. COMP.	.6	20 MIN.	-	-	-	8835158	8835159	6
	7	36841	Igniter, Ram-Jet Engine ^(c)	M113	STD-A	78-0-127	1.5	82-5-146	Squib, ELEC. M1A1	-	-	-	78-0-127	ILLUM. COMP.	1.15	45 SEC.	-	-	-	8836954	8836953	7
	8	36841	Igniter, Ram-Jet Engine ^(c)	M113	STD-A	78-0-127	1.5	82-5-146	Squib, ELEC. M1A1	-	-	-	78-0-127	ILLUM. COMP.	1.15	90 SEC.	-	-	-	8836954	8836953	8
	9	36841	Igniter, Ram-Jet Engine ^(c)	M114	STD-A	8838168	.75	8799892-1	Squib, ELEC. M1A1	-	-	-	8838168	ILLUM. COMP.	.44	45 SEC.	-	-	-	8836951	8836952	9
	10	36841	Igniter, Ram-Jet Engine ^(c)	M132	STD-A	78-2-590	1.	82-5-146	Squib, ELEC. M1A1	-	-	-	78-2-590	ILLUM. COMP.	.56	90 SEC.	-	-	-	8797644	8797650	10
	11	36841	Igniter, Ram-Jet Engine ^(c)	M133	STD-A	78-2-592	.1.	82-5-146	Squib, ELEC. M1A1	-	-	-	78-2-592	ILLUM. COMP.	.66	16 SEC.	-	-	-	8797651	8797650	11
	12	36841	Igniter, Ram-Jet Engine ^(c)	M134	STD-A	78-0-155	.3	82-5-146	Squib, ELEC. M1A1	-	-	-	78-0-155	ILLUM. COMP.	.21	10 SEC.	-	-	-	8797647	8797646	12
	13	36841	Igniter, Ram-Jet Engine ^(c)	M135	STD-A	78-0-155	.3	82-5-146	Squib, ELEC. M1A1	-	-	-	78-0-155	ILLUM. COMP.	.21	20 SEC.	-	-	-	8797647	8797646	13
	14	36841	Marker, Location, Marine	AN-M59	STD-A	78-0-68	2.9	-	-	-	-	-	78-2-356	Uranine Dye	1.37	-	-	-	-	76-16-361 and 76-16-362	76-16-363	14
	15																				15	
	16																				16	
COL NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	COL NO.	

SYMBOLS

STD - Standard
COMP - Composition
MIN - Minute
SEC - Second
PRAC - Practice
ELEC - Electric
OTCM - Ordnance Technical Committee Minutes
ILLUM - Illuminant
INST - Instantaneous

NOTES

- (a) - Refer to AR705-6
(b) - Commercial Fusees, qualified and approved in accordance with specification MIL-P-20409 may be substituted for the fusees shown on the list of DWGS. In addition, Commercial Fusees with burning times of 5, 10 and 15 minutes are available as required.
(c) - Former item nomenclature; Flame, Igniting.
(d) - Photoflash Cartridges designated M112 and M123 are (STD-C), (OTCM 37107).

PREPARED BY:
PICATINNY ARSENAL
DOVER, NEW JERSEY
ISSUED: 1 AUGUST 1961
SHEET NO. 15

PYROTECHNICS - FLARES, AIRCRAFT & SURFACE

LINE NUMBER	OTCM NO.	Nomenclature	Designation	(a) Type Classification	Complete Assembly Drawing Number	Pistol or Projector	Weight Loaded and Fuzed (LB)	ILLUMINANT OR CHARGE			Case Drawing Number	PROPELLANT		PRIMER OR IGNITER		EXPPELLING CHARGE			Delay in Seconds	Parachute Drawing Number	Burning Time (APPROX)	Candle-Power (APPROX)	PACKING		LINE NUMBER
								Type	Weight (LB)	Drawing Number		Kind	Weight (GR)	Drawing Number	Type	Drawing Number	Type	Weight (GR)					Inner Pack Drawing Number	Outer Pack Drawing Number	
1	36841	(b) Flare, Aircraft, Parachute	M8A1	STD-A	78-0-7	None	17.6	ILLUM COMP	10.0	78-2-137	78-2-142	-	-	78-2-140	Igniter Assembly	-	-	-	-	78-2-144	2.45 MIN	350,000	76-1-1142	76-16-212	1
2	36841	Flare, Aircraft, Parachute	M9A1	STD-B	78-0-11	AN-M8	2.11	ILLUM COMP	1.2	78-2-163	78-2-164	BP	15.43	08798919	Primer PERC M39A1	78-2-164	BP	30.	-	78-2-294	1.0 MIN	60,000	OBS 8850202	8850201	2
3	36841	(b) Flare, Aircraft, Parachute	M26 M26A1	STD-A	78-0-29	None	53.0	ILLUM COMP	14.0	78-2-249	78-2-241	-	-	73-8-336	Fuze, MT M155	-	-	-	5-92 SEC	(c) 78-2-242	3 MIN	800,000	None	76-16-256	3
4	36841	Flare, Aircraft, Parachute	AN-M8 Mod 2	STD-A	Navy 364663	None	16.0	ILLUM COMP	11.0	-	Navy 364664	-	-	-	-	-	-	-	120	Navy 364667	3 MIN	500,000	-	Navy 364661	4
5	36841	Flare, Tow, Target	M50	STD-A	78-0-44	None	7.13	ILLUM COMP	5.5	78-2-317	78-2-318	-	-	78-2-316	Igniter Assembly	-	-	-	-	-	6 MIN	50,000 75,000	76-1-519	76-16-348	5
6	36841	Flare, Aircraft, Towed, Red	M77	STD-A	78-0-95	None	21.0	ILLUM COMP	15.0	78-2-454	78-2-451	-	-	78-2-453	Igniter Assembly	-	-	-	-	-	6 MIN	225,000	76-1-811	76-16-425	6
7	37119	Flare, Aircraft, Towed, Amber	M78	STD-A	78-0-95	None	21.0	ILLUM COMP	15.0	78-2-454	78-2-451	-	-	78-2-453	Igniter Assembly	-	-	-	-	-	6 MIN	70,000	76-1-811	76-16-425	7
8	37119	Flare, Aircraft, Towed, Green	M79	STD-A	78-0-95	None	21.0	ILLUM COMP	15.0	78-2-454	78-2-451	-	-	78-2-453	Igniter Assembly	-	-	-	-	-	6 MIN	90,000	76-1-811	76-16-425	8
9	36841	Flare, Aircraft, Parachute	M138	STD-A	78-0-153	None	65.0	ILLUM COMP	31.0	78-0-144	78-0-147	-	-	8797389	Fuze, AN-M146A1C	78-0-144	BP	100.0	5-92 SEC	78-0-145	5.5 MIN	1,500,000	None	88796869	9
10	36841	Flare, Aircraft, Parachute	M139	STD-A	78-0-153	None	65.0	ILLUM COMP	31.0	78-0-144	78-0-147	-	-	8797389	Fuze, AN-M146A1C	78-0-144	BP	100.0	5-92 SEC	78-0-145	3 MIN	3,000,000	None	88796869	10
11	37379	Flare, Aircraft, Parachute	MK6 Mod 6	STD-B	Navy 364790	None	-	ILLUM COMP	17.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
12	36841	Flare, Surface, Airport	M76	STD-A	78-0-93	None	27.6	ILLUM COMP	20.0	78-2-444	78-2-445	-	-	08798919	PERC M39A1	-	-	-	-	-	5 MIN	500,000	76-1-840	76-1-839	12
13	37523	Flare, Surface, Trip	(d) M49A	STD-A	8836957	None	1.41	ILLUM COMP	.70	8836967	8836968	-	-	8799925	PERC M42	-	-	-	-	-	55 SEC	40,000	8830881	8830880	13
14	37119	Flare, Surface, Trip	M48	OBS	78-0-45	None	5.06	ILLUM COMP	.50	78-2-322	78-2-319	PROP P M9	75.00	73-9-13	Fuze, Mine COMB, M6A1	78-2-320	BP	25.0	3	78-2-324	20 SEC	110,000	76-16-345	76-16-347	14
Col. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Col. No.

SYMBOLS

STD - Standard
BP - Black Powder
COMP - Composition
ILLUM - Illuminant
PERC - Percussion
MIN - Minute
SEC - Second
OTCM - Ordnance Technical Committee Minutes
OBS - Obsolete
PROP P - Propellant Powder
COMB - Combination
GR - Grains
APPROX - Approximately

NOTES

- (a) - Refer to AR 705-6.
(b) - Blue band is added to assembly after shell-life of illuminant is exceeded and round is then used for training only.
(c) - Alternative Parachute Assemblies, Dwg. 78-2-345 and 78-2-255.
(d) - M49, Flare, Surface, Trip is STD-C (OTCM 37523).

PREPARED BY:
PICATINNY ARSENAL
DOVER, NEW JERSEY
ISSUED: 1 AUGUST 1961
SHEET NO. 16

PYROTECHNICS, SIGNALS, ILLUMINATION AIRCRAFT																						
LINE NUMBER	OTCM NO.	Nomenclature	Designation	(a)	(b)	Assembly Drawing Number	Weight Loaded and Fuzed (LB)	ILLUMINANT-TRACER CHARGE			Case Drawing Number	PROPELLANT			PRIMER OR IGNITER		Star Burning Time in Sec. (Approx)	CANDLEPOWER (APPROX)		PACKING		LINE NUMBER
				Type Classification	Pistol or Projector			Drawing Number	Type	Weight (OZ)		Drawing Number	Kind	Max. Weight (GR)	Drawing Number	Type And Designation		Tracer	Star	Inner Pack Drawing Number	Outer Pack Drawing Number	
1	36841	Signal, ILLUM Aircraft, Double Star, RR	(c) AN-M37A2	STD-A	AN-M8 or M9	78-0-33	.35	78-2-268	RR COMP	3.84	78-2-270	78-0-33	BP	36.40	74-2-61 8798919	PERC M39A1	7-13	-	R-25,000 R-25,000	8836949	8836950	1
2	36841	Signal, ILLUM Aircraft, Double Star, YY	(d) AN-M38A2	STD-A	AN-M8 or M9	78-0-33	.35	78-2-268	YY COMP	3.84	78-2-270	78-0-33	BP	36.40	74-2-61 8798919	PERC M39A1	7-13	-	Y-20,000 Y-20,000	8836949	8836950	2
3	36841	Signal, ILLUM Aircraft, Double Star, GG	(e) AN-M39A2	STD-A	AN-M8 or M9	78-0-33	.43	78-2-268	GG COMP	5.02	78-2-270	78-0-33	BP	36.40	74-2-61 8798919	PERC M39A1	7-13	-	G-20,000 G-20,000	8836949	8836950	3
4	36841	Signal, ILLUM Aircraft, Double Star, RY	(f) AN-M40A2	STD-A	AN-M8 or M9	78-0-33	.35	78-2-268	RY COMP	3.84	78-2-270	78-0-33	BP	36.40	74-2-61 8798919	PERC M39A1	7-13	-	R-25,000 Y-20,000	8836949	8836950	4
5	36841	Signal, ILLUM Aircraft, Double Star, RG	(g) AN-M41A2	STD-A	AN-M8 or M9	78-0-33	.39	78-2-268	RG COMP	4.43	78-2-270	78-0-33	BP	36.40	74-2-61 8798919	PERC M39A1	7-13	-	R-25,000 G-20,000	8836949	8836950	5
6	36841	Signal, ILLUM Aircraft, Double Star, GY	(h) AN-M42A2	STD-A	AN-M8 or M9	78-0-33	.39	78-2-268	GY COMP	4.43	78-2-270	78-0-33	BP	36.40	74-2-61 8798919	PERC M39A1	7-13	-	G-20,000 Y-20,000	8836949	8836950	6
7	36841	Signal, ILLUM Aircraft, Single Star, R	(k) AN-M43A2	STD-A	AN-M8 or M9	78-0-34	.27	78-2-269	R COMP	2.23	78-2-270	78-0-34	BP	36.40	74-2-61 8798919	PERC M39A1	7-13	-	R-25,000	8836949	8836950	7
8	35781	Signal, ILLUM Aircraft, Single Star, Y	(m) AN-M44A2	STD-A	AN-M8 or M9	78-0-34	.26	78-2-269	Y COMP	2.10	78-2-270	78-0-34	BP	36.40	74-2-61 8798919	PERC M39A1	7-13	-	Y-25,000	8836949	8836950	8
9	37581	Signal, ILLUM Aircraft, Single Star, G	(n) AN-M45A2	STD-A	AN-M8 or M9	78-0-34	.32	78-2-269	G COMP	2.98	78-2-270	78-0-34	BP	36.40	74-2-61 8798919	PERC M39A1	7-13	-	G-25,000	8836949	8836950	9
10	36841	Signal, ILLUM Aircraft, YT-RY Star	(n) AN-M53A2	STD-A	AN-M8 or M9	78-0-64	.31	78-2-349	YT,COMP RY,COMP	2.21	78-2-270	78-0-64	BP	33.00	74-2-61 8798919	PERC M39A1	3-4.5 ^(t)	YT 30,000	R-48,000 Y-36,000	8836949	8836950	10
11	36841	Signal, ILLUM Aircraft, GT-RR Star	(o) AN-M54A2	STD-A	AN-M8 or M9	78-0-64	.31	78-2-349	GT,COMP RR,COMP	2.39	78-2-270	78-0-64	BP	33.00	74-2-61 8798919	PERC M39A1	3-4.5 ^(t)	GT 25,000	R-48,000 R-48,000	8836949	8836950	11
12	36841	Signal, ILLUM Aircraft, GT-GR Star	(p) AN-M55A2	STD-A	AN-M8 or M9	78-0-64	.31	78-2-349	GT,COMP GR,COMP	2.46	78-2-270	78-0-64	BP	33.00	74-2-61 8798919	PERC M39A1	3-4.5 ^(t)	GT 25,000	G-20,000 R-48,000	8836949	8836950	12
13	36841	Signal, ILLUM Aircraft, RT-GG Star	(q) AN-M56A2	STD-A	AN-M8 or M9	78-0-64	.31	78-2-349	RT,COMP GG,COMP	2.43	78-2-270	78-0-64	BP	33.00	74-2-61 8798919	PERC M39A1	3-4.5 ^(t)	RT 30,000	G-20,000 G-20,000	8836949	8836950	13
14	36841	Signal, ILLUM Aircraft, RT-RR Star	(r) AN-M57A2	STD-A	AN-M8 or M9	78-0-64	.31	78-2-349	RT,COMP RR,COMP	2.29	78-2-270	78-0-64	BP	33.00	74-2-61 8798919	PERC M39A1	3-4.5 ^(t)	RT 30,000	R-48,000 R-48,000	8836949	8836950	14
15	36841	Signal, ILLUM Aircraft, RT-GR Star	(s) AN-M58A2	STD-A	AN-M8 or M9	78-0-64	.31	78-2-349	RT,COMP GR,COMP	2.36	78-2-270	78-0-64	BP	33.00	74-2-61 8798919	PERC M39A1	3-4.5 ^(t)	RT 30,000	G-20,000 R-48,000	8836949	8836950	15
COL NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	COL NO.

SYMBOLS

STD - Standard
 COMP - Composition
 ILLUM - Illuminant
 G - Green Illuminant
 R - Red Illuminant
 Y - Yellow Illuminant
 T - Tracer
 PERC - Percussion
 BP - Black Powder
 GR - Grain
 OZ - Ounces
 MAX - Maximum

NOTES

(a) - Refer to AR 705-6.
 (b) - Pistol, Pyrotechnic, AN-M8 or Projector, Hand, M9.
 (c) - AN-M37 and AN-M37A1 on hand, (STD-C) OTCM 37107 and 37284 respectively.
 (d) - AN-M38 is STD for USAF use only, (OTCM 37284).
 (e) - AN-M39 is (STD-B) (OTCM 36841), Some stocks on hand.
 (f) - AN-M40 is (STD-C) (OTCM 37107), AN-M40A1 is (STD-B) (OTCM 36841). Some stocks on hand.
 (g) - AN-M41 is (STD-C) (OTCM 37107), AN-M41 is (STD-B) (OTCM 36841). Some stocks on hand.
 (h) - AN-M42 is (STD-C) (OTCM 37107), AN-M42A1 is (STD-B) (OTCM 36841). Some stocks on hand.
 (k) - AN-M43 and AN-M43A1 are (STD-C) (OTCM 37284). Some stocks on hand.

(m) - AN-M44A1 is (STD-C) (OTCM 37107). Some stocks on hand.
 (n) - AN-M53 is (STD-C) (OTCM 37107), AN-M53A1 is (STD-B) (OTCM 36841). Some stocks on hand.
 (o) - AN-M54 is (STD-C) (OTCM 37107), AN-M54A1 is (STD-B) (OTCM 36841). Some stocks on hand.
 (p) - AN-M55 is (STD-C) (OTCM 37107), AN-M55A1 is (STD-B) (OTCM 36841). Some stocks on hand.
 (q) - AN-M56 is (STD-C) (OTCM 37107), AN-M56A1 is (STD-B) (OTCM 36841). Some stocks on hand.
 (r) - AN-M57 is (STD-C) (OTCM 37107), AN-M57A1 is (STD-B) (OTCM 36841). Some stocks on hand.
 (s) - AN-M58 is (STD-C) (OTCM 37107), AN-M58A1 is (STD-B) (OTCM 36841). Some stocks on hand.
 (t) - Tracer burns for a period of 2.5 to 4.0 Sec. before Stars ignite.

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PYROTECHNICS-SIMULATORS, GUIDED MISSILE TRACERS																						
LINE NUMBER	OTCM NO.	Nomenclature	Designation	(a)		Pistol or Projector	Weight Loaded and Fuzed (LB)	PYROTECHNIC CHARGE			Body or Case Drawing Number	PROPELLANT			PRIMER OR IGNITER		(Approx) Burning Time In Sec.	(Approx) Candle Power	Delay in Seconds	PACKING		LINE NUMBER
				Type Classification	Assembly Drawing Number			Drawing Number	Type	Weight (LB)		Drawing Number	Kind	Weight (GR)	Drawing Number	Type				Inner Pack Drawing Number	Outer Pack Drawing Number	
1	36841	Simulator, Gunflash (b)	M110 (m)	STD-A	78-0-115	(t)	.69	78-0-115	Flash COMP	.18	78-0-116	-	-	-	-	Squib ELEC S-72	INST	-	-	76-1-1161	76-1-1265	1
2	36841 37524	Simulator, PROJ, Ground Burst	M115 (m) M115A2 (E2) M115A1 (E1)	STD-C STD-A STD-C	07549246	(d)	.30	07549235	Photo-Flash Powder	.14	-	-	-	-	08833721	Igniter, M3E1	-	-	6-10 (r)	B8799711	B8799710	2
3	36841	Simulator, Booby, Trap, Flash	M117	STD-A	78-0-120	-	.14	78-0-121	Flash COMP	.006	-	-	-	-	78-0-121	Friction	-	-	-	B8799713	B8799712	3
4	36841	Simulator, Booby Trap, ILLUM	M118	STD-A	78-0-122	-	.14	78-0-123	Flare COMP	.01	-	-	-	-	78-0-123	Friction	30	-	-	B8799713	B8799712	4
5	36841	Simulator, Booby Trap, Whistling	M119	STD-A	78-0-124	-	.15	78-0-125	Whistle COMP	.008	78-0-125	-	-	-	78-0-125	Friction	3.5	-	-	B8799716	B8799717	5
6	37524	Simulator, Hand, Grenade	M116A1 M116	STD-A STD-C	08835109	(d)	.20	08835113	Photo-Flash Powder	.08	-	-	-	-	08833721	Igniter M3E1	INST	-	6-10	0879914	B8799715	6
7	36841	Simulator, PROJ, Air Burst (e)	M27A1B1 (o)	STD-A	78-0-63	(k)	.75	78-2-337	Flash COMP	.13	78-2-337	78-0-63	Smokeless Powder	9.0	-	(e)	INST	-	5.5	76-8-90	76-16-355	7
8	36841	Simulator, PROJ, Air Burst	M74A1 (p)	STD-A	78-0-96	(l)	.34	78-2-456	Flash Powder	.08	78-2-270	78-0-96	Black Powder	21.0	08798919	Primer PERC M39A1	INST	-	2.5	08836949	08836950	8
9	36841	Tracer, Guided Missile (h)	M136	STD-A	78-0-79	-	1.35	78-0-79	ILLUM COMP	.63	78-0-80	-	-	-	82-5-146	Squib ELEC M1A1	75'	70,000	-	08797672	08797671	9
10	36841	Tracer, Guided Missile (h)	M137	STD-A	78-0-154	-	2.0	78-0-154	ILLUM COMP	1.75	78-2-588	-	-	-	82-5-146	Squib ELEC M1A1	95	150,000	-	08797648	08797649	10
11																						11
12																						12
13																						13
14																						14
Col No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Col No.

SYMBOLS

STD - Standard
COMP - Composition
ILLUM - Illuminating
PROJ - Projectile
PERC - Percussion
INST - Instantaneous
OTCM - Ordnance Technical Committee Minutes
APPROX - Approximately
SEC - Second
ELEC - Electrical
GR - Grains

NOTES

- (a) - Refer to AR 705-6.
(b) - With Electric Squib or Commercial Squib, S72, Spec. MIL-S-20441.
(c) - Hand thrown.
(d) - Cartridge designation;
CTG, Rifle, Grenade, Cal. 30, M3 Dwg. B-173949.
CTG, Carbine, Grenade, Cal. 30, M6 Dwg. B18179.
(h) - Former nomenclature: Signal, Illuminating, Guided Missile, Tracking.
(k) - Launcher, Grenade.
(l) - Pistol, Pyrotechnic.
(m) - For simulated artillery fire.
(o) - Simulator, Projectile, Air Burst: M27 (STD-B) (OTCM 36841) for Projector, Signal Ground, M1A1.
(p) - Simulator, Projectile, Air Burst: M74 (STD-B) (OTCM 36841) for Pistol, Pyrotechnic, AN-M8.
(r) - Flash and loud report are produced a fraction after high-pitched whistle is heard lasting 2-4 seconds.
(t) - See TM9-1370-200

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GRENADES, HAND AND RIFLE																		
LINE NUMBER	OTCM NO.	COMPLETE ASSEMBLY					COMPONENT PARTS						FUZE		PACKING			LINE NUMBER
		Nomenclature	(e) Type Classi- fication	Complete Assembly Drawing Number	Desig- nation	Weight Loaded and Fuzed (LB)	BODY			FIN ASSEMBLY (b)		Desig- nation	Drawing Number	Inner Packing Drawing Number	Outer Packing Drawing Number	Shipped		
							LOADING		Metal Parts Drawing Number	Desig- nation	Drawing Number							
							Drawing Number	Filler Composi- tion									Filler WT, (OZ)	
1	37284	Grenade, Hand, Fragmentation	STD-C	OBSOL 82-0-41	MK2	1.40		TNT	1.75	82-1-15	Adapter, M1, M1A1, M1A2	82-1-81	M6A4C	82-1-31	76-1-1154	76-1-1266	Fuzed	1
2	37284	Grenade, Hand, Fragmentation	STD-C	82-0-143	MK2	1.40		TNT	1.75	82-1-15	Adapter, M1, M1A1, M1A2	82-1-81	M204A1 M204A2	F7548570	76-1-1154	76-1-1266	Fuzed	2
3	37119 36841	Grenade, Hand, Fragmentation	STD-B	OBS 82-0-190	M26 M26A1	0.85	OBS 82-1-106	COMP B	5.50	8840279	Adapter, M1, M1A1, M1A2	82-1-81	M204A1 M204A2	F7548570	F7548339	F7548340	Fuzed	3
4	37107	Grenade, Hand, Practice (a/c)	STD-C	OBSOL 82-0-1	MK2 MK2A1	1.27	OBSOL 82-1-48	BP (Bag)	0.10	82-1-92	-	-	M10A2 M10A3	82-1-46	76-1-1154	76-1-1266	Fuzed	4
5	37107	Grenade, Hand, Practice (a)	STD-C	OBSOL 82-0-1	M21	1.27	OBSOL 82-1-48	BP (Bag)	0.10	82-1-92	-	-	M10A2 M10A3	82-1-46	76-1-1154	76-1-1266	Fuzed	5
6	36841	Grenade, Hand, Practice (a)	STD-A	82-0-191	M30	0.92	OBSOL 82-1-48	BP (Bag)	0.10	82-1-110	-	-	M205A2 (d)	F7548570	F7548339 F8798580	F7548340 F8798581	Fuzed	6
7	37107	Grenade, Hand, Practice (a)	STD-C	82-0-144	M21	1.27	OBSOL 82-1-48	BP (Bag)	0.10	82-1-92	-	-	M205A1	F7548570	76-1-1154	76-1-1266	Fuzed	7
8	37119	Grenade, Hand, Fragmentation	STD-A	8846585	M26A2 (k)	.95	8840254 (k)	COMP B	6.3	8840253	-	-	M217 (k)	10963447	B8836106	B8836105	Fuzed	8
9	37119	Grenade, Hand, Offensive	OBS	82-0-70	MK3A1	.87	75-14-346	TNT	6.99	82-1-22	Adapter M2, M2A1	82-1-84	M6A3 M206A1 M206A2	82-1-31 F7548370	76-16-562	76-16-564	Unfuzed	9
10																		10
11																		11
12																		12
13																		13
14																		14
15																		15
16																		16
COL NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COL No.

SYMBOLS

STD - Standard
 COMP - Composition
 TNT - Trinitrotoluene
 BP - Black Powder
 WP - White Phosphorus
 HEAT - High Explosive Anti-tank
 AT - Anti-Tank
 OBS - Obsolete
 OBSOL - Obsolescent
 OTCM - Ordnance Technical Committee Minutes
 PRAG - Fragmentation

NOTES

- (a) - Body for Practice, Hand Grenade, also issued separately.
 (b) - Adapters (Hand Grenade Projection) issued separately.
 (c) - MK2 and MK2A1, Practice Grenades simulate the M26, Fragmentation Hand Grenade. MK1A1 Training Grenade simulates the MK2, Fragmentation Grenade.
 (d) - Some grenades assembled with Fuze, Grenade, Hand, M205A1, Dwg. F7548570.
 (e) - Refer to AR 705-6.
 (f) - With M211 Fuze, Grenade, Rifle and M48 Electric Detonator.
 (g) - Superseded in part by Dwg. 76-1-1349 and 76-1-1351.
 (h) - Superseded in part by Dwg. 76-1-1350 and 76-1-1352.
 (k) - M26A2, Grenade, Hand, PRAG also available with Fuze, M215, Dwg. 8828010. See Dwg. 8840255.
 (m) - Grenade, Rifle, Smoke, Violet is OBS and is used only for training and demonstration purposes.

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GRENADES, HAND AND RIFLE. (CONTINUED)																		
LINE NUMBER	.OTCM NO.	COMPLETE ASSEMBLY					COMPONENT PARTS								PACKING			LINE NUMBER
		Nomenclature	Type Classification	Complete Assembly Drawing Number	Designation	Weight-Loaded and Fuzed (LB)	BODY			FIN ASSEMBLY ^(b)								
							LOADING			Metal Parts Drawing Number	Designation	Drawing Number						
							Drawing Number	Filler Composition	Filler WT. (OZ)									
1	37119	Grenade, Hand Offensive	OBS	82-0-86	MK3A2	.85	75-14-389	TNT	6.83	82-1-80	Adapter, M2, M2A1	82-1-84	M643 M206A1 M206A2	82-1-31 F7548370	76-16-562	76-16-564	Unfused	1
2	37107	Grenade, Rifle Smoke, WP	STD-C	OBSOL 82-0-109	M19 M19A1	1.57	OBSOL 75-14-436	WP	8.48	OBSOL 82-2-38	Fuze & Fin Assembly	OBSOL 82-2-40	-	OBSOL 82-2-40	76-1-801 ^(g)	76-1-803 ^(h)	Fuzed	2
3	37107	Grenade, Rifle Smoke, Red, Yellow Green & Violet ^(m)	STD-C	82-0-117	M22 M22A2	1.26	75-14-448	Smoke Colored	6.40	82-2-44	-	82-1-78	Fuze & Fin Assembly	82-2-41	76-1-1349	76-1-1350	Fuzed	3
4	37107	Grenade, Rifle Smoke, Streamer, Red, Yellow, Green & Violet ^(m)	STD-C	82-0-139	M23 M23A1	1.10	75-14-526	Smoke Colored	6.40	82-2-44	Fuze & Fin Assembly	82-2-47	-	82-2-47	76-1-1351	76-1-1852	Fuzed	4
5	36608	Grenade, Rifle Illuminating	OBS	82-0-204	M27	1.50	82-1-112	Illuminant	8.00	82-1-111	-	82-1-78	Fuze & Fin Assembly	82-2-41	76-1-1402	76-1-1400	Fuzed	5
6	37119	Grenade, Rifle AT, Practice	OBS	82-0-73	M11 Series	1.28	-	Empty	-	82-1-79	-	82-1-79	-	-	76-1-1578	-	Complete	6
7	36841	Grenade, Rifle HEAT	STD-B	OBSOL 82-0-195	M31	1.56	OBSOL 82-2-50	COMP B	9.92	OBSOL 82-2-52	-	82-2-49	^(f)	82-2-54	7548996	7548997	Fuzed	7
8	37119	Grenade, Rifle AT, Practice	STD-C	-	M29	-	-	-	-	-	-	-	-	-	-	-	Complete	8
9	36841	Grenade, Hand Training ^(c)	STD-B	82-1-7	MK1A1	1.31	-	Empty	-	82-1-7	-	-	-	-	-	76-16-248	Complete	9
10																		10
11																		11
12																		12
13																		13
14																		14
15																		15
16																		16
COL NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COL NO.

See Sheet NC. 19 for SYMBOLS and NOTES.

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LAND MINES-ANTI-TANK AND ANTI-PERSONNEL																				
LINE NUMBER	OTCM NO.	Nomenclature	Designation	(a) Type Classification	Assembly Drawing Number	Metal Parts Drawing Number	Weight Loaded and Fuzed (LB)	CHARGE			FUZE ASSEMBLY		ACTIVATOR ASSEMBLY		FIRING DEVICE		PACKING		REMARKS	LINE NUMBER
								Loading Assy DWG. NO.	Kind	Weight (LB)	Drawing Number	Designation	Drawing Number	Designation	Drawing Number	Designation	Fuze Drawing Number	Mine Drawing Number		
1	37344	Mine, Anti-Tank HE, Light	M7A2 (u)	OBS	OBS. 82-0-114	OBS 82-0-30	4.50	OBSOL 75-14-444	Tetrytol	3.60	73-9-55	M603 (r)	Booster 8835171	M120	8797792	M45	7548394	76-1-1245	Shipped 12 mines per box, 12 fuzes each in metal container	1
2	37119	Mine, Anti-Tank Light, Practice	M10A1 (v)	STD-A	82-0-156	82-15-40	4.63	75-14-502	Inert	3.50	73-9-86	M604	8837262 (o)		8837267	M3 (m)	7548394	76-1-1179	Shipped 12 mines per box, fuzes (u) Shipped separate and assembled in field	2
3	37107	Mine, Anti-Tank Heavy, Practice	M12A1 (w)	STD-C	OBSOL 82-0-136	OBSOL 82-15-44	20.22		Sand	11.16	73-9-86	M604	73-9-46 (k)	M1 Practice	OBS 73-9-100	M2	7548394	7548396	Shipped 2 mines per box, fuze and activator shipped separate.	3
4	37119	Mine, Anti-Tank Heavy, HE	M15	STD-A	82-0-189	82-15-58	31.46	75-14-653	COMP B	22.75	73-9-55	M603	73-9-16 (1) 8835171	M1 M120		(b)	7548394	F7548392 76-1-1174	Shipped 1 mine per box, one activator and 1 fuze each in metal container	4
5	37119	Mine, Anti-Tank HE, NM.	M19	STD-A	82-15-71	82-15-73 (c)	27.68	82-15-72	COMP B Grade A	21.00	P8796140 73-9-91	M606	73-9-90	M2 (d/e)	Wrench 82-15-61 (f)	Arming M22	7549155	7549156 76-1-1171	See marking and packing instructions. DWG. F7549156	5
6	36841	Mine, Anti-Tank HE, Practice	M20	STD-A	F7548124	7548128	31.46	7548126	Inert (g)	21.20	73-9-86	M604	73-9-46	M1 (d) Practice	8837272	M3 (m)		F7548171	Wrench Arming Assembly DWG 7548279	6
7	37246	Mine, Anti-Tank HE, Heavy	M21	STD-A	8831341	8831343	18.00	8831342	COMP B Grade A	10.5	8833783	M607	8835171	M120 Booster					Shipped, with booster (h) Wrench, arming, M26 (2)	7
8	37119	Mine, Anti-Tank HE, Heavy	M6A2	OBS	82-0-129	82-15-22	20.00	75-14-437	TNT	12.00	73-9-55	M603	73-9-16	M1		(b)	7548394 76-1-1173	7548393 76-1-1486	Shipped two mines per box, two activators & two fuzes per metal container	8
9	35898	Mine, Anti-Tank NM, Practice	M9	OBS	82-0-113	82-15-27	15.0	82-15-27	Inert	5.4	73-9-26	M12	-	-	-	-	76-1-555	76-1- 532	Shipped 4 mines per box, fuzes shipped separately.	9
10																				10
11																				11
12																				12
13																				13
14																				14
COL NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	COL NO.
SYMBOLS STD - Standard NM - Non-Metallic BP - Black Powder HE - High Explosive COMP - Composition TNT - Trinitrotoluene COMB - Combination OBS - Obsolete OBSOL - Obsolescent OTCM - Ordnance Technical Committee Minutes ASSY - Assembly NOTES (a) - Refer to AR705-6 (b) - Firing device, w/primed, coupling base and w/o blasting cap. (c) - Plastic parts. (d) - Not assembled to mine during shipment. (e) - Weight includes two activators. (f) - One for every two mines. (g) - Sand to be added in field. (h) - Charge, spotting assembly, DWG. 82-15-26 (i) - Igniting type fuze. (k) - Shipping separate. (1) - Booster assembly, M120, DWG 8835171 (m) - Firing device, pull release type. (n) - See information under remarks. (o) - Base coupling assembly DWG. 8837262 (p) - Assembled in field. (s) - Spool assembly, to be assembled in field. (t) - Packing, Box, Metal, M156, 76-1-1179 and 76-1-1425. (u) - M7A1, AT, Mines Also on hand, STD-C. (v) - Mine, AT, Practice, M10 w/o fuze also on hand, STD-A (OTCM 36841) (w) - Mine, AT, Practice, Heavy, M12 w/o fuze also on hand, STD-C (OTCM 37107) (x) - Mine, AT, NM, Practice, M9, w/o fuze also on hand, OBS (OTCM 35898) (y) - Weight without carrying case. (z) - This is a loading assembly DWG. NO. (aa) - Type 2 blasting cap assembly is furnished with kits.																				

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LAND MINES-ANTI-TANK AND ANTI-PERSONNEL (CONTINUED)

LINE NUMBER	OTCM NO.	Nomenclature	Designation	(a) Type Classification	Assembly Drawing Number	Metal Parts Drawing Number	Weight Loaded and Fuzed (LB)	CHARGE			FUZE ASSEMBLY		ACTIVATOR ASSEMBLY		FIRING DEVICE		PACKING		REMARKS	LINE NUMBER
								Loading Assy DWG. NO.	Kind	Weight (LB)	Drawing Number	Designation	Drawing Number	Designation	Drawing Number	Designation	Fuze Drawing Number	Mine Drawing Number		
1	37119	Mine, HE, Anti-Personnel	M2A4	STD-C	82-0-99	82-15-19	5.01	OBSOL 75-14-364	Bursting TNT 0.34 (LB)	2.84	73-9-13 (j)	M6A1	-	-	D8797749	M17		(n)	Packing, Carton 76-1-601 Packing, Box 76-1-1224	1
2	37119	Mine, Anti-Personnel	M2A4B2	STD-C	OBSOL 82-0-116	82-15-33	5.04	OBSOL 75-14-364	Bursting TNT 0.34 (LB)	2.84	73-9-13 (j)	M6A1	-	-	D8797749	M17		(n)	Packing, Carton 76-1-601 Packing, Box 76-1-1224	2
3	36841	Mine, Anti-Personnel, practice	M8	STD-A	82-0-112	82-15-39	3.63	82-15-26 (h)	BP Grade A-4	0.0243	73-9-25	M10 or M10A1	-	-	82-15-26	Tube Assembly		(n)	Packing, Container, Metal, F7548411 Packing, Box F7548180 Sheet 1 and 2	3
4	37119	Mine, NM Anti-Personnel	M14	STD-B	82-15-55	82-15-52 (c)	3.29	75-14-652	Pellet Ring	0.0618	82-15-52	Integral	-	-	Detonator 73-9-72	M46		(n)	Packing, Carton, 76-1-1416, Wrench Packing, Box, 76-1-1415	4
5	37119	Mine, Anti-Personnel	M16	STD-C	OBSOL 82-0-194	75-14-660 (a)	8.25	OBSOL 82-15-65	Bursting Cast TNT	1.15	COMB. 8796370	M605 (t)	-	-	Detonator 82-15-80 (d)			(n)	Packing, Carton, Metal, 7548190 Packing, Box, 7548179	5
6	36841	Mine, Anti-Personnel	M16A1	STD-A	OBSOL 82-0-194 8796365	8796345	8.25	75-14-660	Bursting Cast TNT	1.15	COMB. 8796370	M605	-	-	Detonator 8796342		Box F7548179	(n)		6
7	37119	Mine, Anti-Personnel	M2A3B1	STD-C	82-0-94	82-15-14	7.16	OBSOL 75-14-364	Bursting TNT 0.34 (LB)	2.84	73-9-13 (j)	M6A1	-	-	D8797749	M17		(n)	Packing, Carton, 76-1-601 (1 Mine & 1 Fuze per Carton) Packing Box 76-1-1224 (6 Cartons per Box)	7
8	37107	Mine, Anti-Personnel	M3	STD-C	82-0-79	82-15-9		75-14-365	Bursting TNT 0.90		73-9-13	M7A1	-	-				(n)	Packing, Carton, 76-1-460 (1 Mine & 1 Fuze per Carton) Packing, Box, 76-1-459 (6 Cartons per Box)	8
9	37107	Mine, Anti-Personnel	M3B1	STD-C	82-0-101	82-15-21	10.30	75-14-419	Bursting TNT 0.90		73-9-13	M7A1	-	-				(n)	Packing, Carton, 76-1-469 (1 Mine & 1 Fuze per Carton) Packing, Box, 76-1-459 (6Cartons per Box)	9
10	37595	Mine, Anti-Personnel W/M 68 & M69 Kits	M18	STD-C	P86329	P86330 P86331	3.5 (7)	P86329	COMP C3	0.8	P86658 (aa)	Type #2 Blasting Cap, ASSY	-	-			P87310		Furnished in the field with M68 and M69 Carrying Kits	10
11	37595	Mine, Anti-Personnel W/ACCESSORIES	M18A1	STD-A	D8835166	P8837104 (z)	6.17	-	COMP C4	1.5	P8836013	M4 Blasting Cap, ASSY	-	-	D8800924	M57 (Electrical)		08800900	Furnished in M7 Bandoleer with M40 Test Set for each 6 Mines, M57 Firing Device and M4 Blasting Cap Assembly	11
12																				12
13																				13
14																				14
COL NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	COL NO.

SEE SHEET NO. 21 for SYMBOLS and NOTES.

PREPARED BY:
PICATINNY ARSENAL
DOVER, NEW JERSEY
ISSUED 1 AUGUST 1961
SHEET NO. 22

CARTRIDGE ACTUATED DEVICES - REMOVERS, RELEASE, FIRING PIN																			
LINE NUMBER	OTCM NO.	Nomenclature	(a) Type Classi- fication	Complete Assembly Drawing Number	Desig- nation	Metal Parts Drawing Number	Weight Loaded (LB)	CARTRIDGE							PACKING				LINE NUMBER
								Drawing Number	Desig- nation	POWDER CHARGES				CARTRIDGE Weight Grains	CARTRIDGE		COMPLETE ASSEMBLY		
										PROPELLANT		IGNITER			Inner Pack Drawing Number	Outer Pack Drawing Number	Inner Pack Drawing Number	Outer Pack Drawing Number	
										Type	Weight Grains	Grade	Weight Grains						
1	36850	Remover, Aircraft Canopy	STD	F8543731	M1A3	F8593732	2.10	D8593625	M29A2	M2	124	A-4	25	808	F8797307	F8797306	F8797268	F8797269	1
2	36216	Remover, Aircraft Canopy	STD	94-2-8	M2A1	94-2-9	4.40	D8593735	M31A1	M2	351	A-1	20	900	C8797725	C8797267	B8797439	B8797440	2
3	36778	Remover, Aircraft Canopy	STD	F8593701	M3A1	F8593702	4.40	D8593735	M31A1	M2	351	A-1	20	900	C8797725	C8797267	F8797385	F8797386	3
4	35579	Remover, Aircraft Canopy	STD	FD-20682	M4 ^(b)	FF-10415	1.50	D8593625	M29A2	M2	124	A-4	25	808	F8797307	F8797306	B8823715	B8823716	4
5	35579	Remover, Aircraft Canopy	STD	FD-20680	M5 ^(b)	FF-10415	1.50	FD-20586	M120 ^(c)	M2	220	A-4	25	N.A.	C8845188	C8845188	B8823715	B8823716	5
6	36216	Release, Firing Pin, Gas Actuated ^(d)	STD	94-5-1	M1A1		0.80										F8797627	F8797626	6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12
13																			13
14																			14
COL NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	COL NO.

SYMBOLS

OTCM - Ordnance Technical Committee Minutes
STD - Standard
NA - Not Available

NOTES

(a) - Refer to AR705-6.
(b) - Remover, Aircraft Canopy, M4 and M5 have been standardized by USAF, (OTCM 37707).
(c) - Cartridge, Aircraft Canopy Remover, M120 has been standardized by USAF, (OTCM 37707).
(d) - Former nomenclature: Extractor, M1A4.

PREPARED BY:
PICATINNY ARSENAL
DOVER, NEW JERSEY
ISSUED, 1 AUGUST 1961
SHEET NO. 24

CARTRIDGE ACTUATED DEVICES - INITIATORS

LINE NUMBER	OTCM No.	Nomenclature	(a) Type Classification	Complete Assembly Drawing Number	Designation	Net Weight (lb)	CARTRIDGE										PACKING				LINE NUMBER
							Drawing Number	Designation	POWDER CHARGES			CARTRIDGE Weight (lb)	CARTRIDGE		COMPLETE ASSEMBLY						
									Type	Weight (lb)	Grade		Weight (lb)	Height (in)	Inner Pack Drawing Number	Outer Pack Drawing Number	Inner Pack Drawing Number	Outer Pack Drawing Number			
1	36535	Initiator, Cartridge Actuated	STD	94-3-1	M311	0.90	D8594L57	M73	HES5808	46	A-4	17.5	146	F8797376	F8797375	F8796541	F8796542	1			
2	35155	Initiator, Delay	STD	F8595816	M4	1.00	D8594075	M46	M2	25.5	A-4	16.5	370	C8845190	C8845191	C8796826	C8796827	2			
3	36441	Initiator, Cartridge Actuated	STD	94-3-11	M5A2	0.90	D8594L57	M73	HES5808	46	A-4	20	146	F8797376	F8797375	F8796541	F8796542	3			
4	35756	Initiator, Delay	STD	F8593316	M6A1	1.00	D8544075	M46	M2	25.5	A-4	16.5	370	C8845190	C8845191	C8796826	C8796827	4			
5	36253	Initiator, Cartridge Actuated	STD		M8	3.20	D8593492	M68	M2	134	A-4	15.5	49.9	F8797450	F8797454	F8796726	F8796707	5			
6	36253	Initiator, Cartridge Actuated	STD	94-3-27	M9	3.20	D8593496	M69	M2	134	A-4	15.3	59.3	C8797470	C8797469	F8797661	F8797660	6			
7	36113	Initiator, Delay	STD	F8594861	M10	1.10	D8593274	M70	HES5808	50	A-4	17.5	N.A.	B8799621	B8799620	C8798143	C8798142	7			
8	36184	Initiator, Delay	STD	F8593159	M12	1.00	D8593162	M71	M2	25.1	A-4	16.5	370	C8845190	C8845191	C8796826	C8796827	8			
9	35579	Initiator, Cartridge Actuated, Delay	STD	F8597941	M26	1.00	D8597942	M90	M2	25.1	A-4	16.5	N.A.	C8845190	C8845191	C8796826	C8796827	9			
10	35579	Initiator, Cartridge Actuated	STD	FD-20689	M27	0.40	D8797230	M91	HES5808	29	A-4	12	N.A.	C8837884	C8837885	C8830984	C8830985	10			
11	35579	Initiator, Cartridge Actuated	STD	FD-20692	M28	0.40	D8797230	M91	HES5808	29	A-4	12	N.A.	C8837884	C8837885	C8830992	C8830993	11			
12	35579	Initiator, Cartridge Actuated	STD	FD-20737	M29	1.10	D859457	M73	HES5808	46	A-4	20	146	F8797376	F8797375	C8837442	C8837443	12			
13	35579	Initiator, Cartridge Actuated, Delay	STD	F8595400	M30	1.10	D8595401	M70	HES5808	50	A-4	17.5	N.A.	B8799621	B8799620	C8798143	C8798142	13			
14	35579	Initiator, Cartridge Actuated, Delay	STD	F8595251	M31	1.10	D8593112	M93	HES5808	50	A-4	17.5	N.A.	B8799621	B8799620	C8798143	C8798142	14			
COL NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	COL NO.		

SYMBOLS

OTCM = Ordnance Technical Committee Minutes
STD = Standard
NA = Not Available

NOTES

(a) - Refer to AR705-6.

CARTRIDGE ACTUATED DEVICES - INITIATORS (CONTINUED)																				
LINE NUMBER	OTCM NO.	Nomenclature	(a) Type Classi- fication	Complete Assembly Drawing Number	Desig- nation	Metal Parts Drawing Number	Weight Loaded (LB)	CARTRIDGE							PACKING					LINE NUMBER
								Drawing Number	Desig- nation	POWDER CHARGES				CARTRIDGE Weight Grains	CARTRIDGE		COMPLETE ASSEMBLY			
										PROPELLANT		IGNITER			Inner Pack Drawing Number	Outer Pack Drawing Number	Inner Pack Drawing Number	Outer Pack Drawing Number		
										Type	Weight Grains	Grade	Weight Grains							
1	35579	Initiator, Cartridge Actuated, Delay	STD	F8595409	M32	D8595410	1.10	D8593312	M93	HES5808	50	A-4	17.5	N.A.	B8799621	B8799620	C8798143	C8798142	1	
2	35579	Initiator, Cartridge Actuated, Delay	STD	F8595248	M33	D8595249	1.00	D8593162	M71	M2	25.1	A-4	16.5	370	C8845190	C8845191	C8796826	C8796827	2	
3	35579	Initiator, Cartridge Actuated, Delay	STD	F10520220	M42	D10520221		D8596114	M113	HES5808		A-4	17.5	N.A.	B8799621	B8799620			3	
4	35579	Initiator, Cartridge Actuated, Delay	STD	F10520224	M43	D10520225		D8596114	M113	HES5808		A-4	17.5	N.A.	B8799621	B8799620			4	
5	35579	Initiator, Cartridge Actuated, Delay	STD	F10520228	M44	D10520229		D8596110	M114	M2	25.1	A-4	16.5	N.A.	C8845190	C8845191			5	
6	35579	Initiator, Cartridge Actuated, Delay	STD	F8596101	M45	D8596102	1.00	D8596110	M114	M2	25.1	A-4	16.5	N.A.	C8845190	C8845191	C8796826	C8796827	6	
7	35579	Initiator, Cartridge Actuated, Delay	STD	F10520232	M49	D10520233	1.00	D8596123	M90	M2	25.1	A-4	16.5	N.A.	C8845190	C8845191	C8796826	C8796827	7	
8																			8	
9																			9	
10																			10	
11																			11	
12																			12	
13																			13	
14																			14	
COL NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	COL NO.	

SEE SHEET NO. 25 for SYMBOLS and NOTES.

PREPARED BY:
PICATINNY ARSENAL
DOVER, NEW JERSEY
ISSUED: 1 AUGUST 1961
SHEET NO. 26

CARTRIDGE ACTIVATED DEVICES - THUNDERSTERS																								
LINE NUMBER	OTOM No.	Nomenclature	(a)	Complete Assembly Drawing Number	Design-Relation	Metal Parts Drawing Number	Weight Loaded (Lb)	CARTRIDGE										CARTRIDGE						REVISION NUMBER
								Drawing Number	Design-Relation	POWDER CHARGES			IGNITER	Weight Orelins	CARTRIDGE		COMPLETE ASSEMBLY							
										Type	Weight Grains	Grade			Weight Grains	Inner Pack Drawing Number	Outer Pack Drawing Number	Inner Pack Drawing Number	Outer Pack Drawing Number					
1	36931	Thunderster, Cartridge Activated	STD	F8593854	M1A2	F8593855	4.00	D8593889	M1A1	M10	31.0	A-4	20.0	140	C8797435	C8797436	C8797631	C8797632	1					
2	36216	Thunderster, Cartridge Activated	STD	94-4-8	M2A1	94-4-9	5.00	D8593275	M43	T8	94	A-4	24	766	F8797443	F8797442	F8797633	F8797634	2					
3	36931	Thunderster, Cartridge Activated	STD	F8593701	M3A2	F8593702	1.00	D8593276	M4A1	B8	33.0	A-4	20	139	C8797373	C8797441	C8796719	C8797270	3					
4	36641	Thunderster, Cartridge Activated	STD	F8594746	M5A2	F8594747	4.00	D8594157	M73	BES 5608	46	A-4	20	146	F8797376	F8797375	C8797741	C8797742	4					
5	36253	Thunderster, Cartridge Activated	STD	F8594449	M6	F8593752	2.60	D8593295	M67			A-4	23	96	F8797726	F8797727	F8797438	B8797437	5					
6	36355	Thunderster, Cartridge Activated	STD	F8593277	M7	F8593278	0.50	D8593295	M67			A-4	23	96	F8797726	F8797727	F8796480	F8796479	6					
7	35579	Thunderster, Cartridge Activated	STD	PD-20552	M5	PD-20553	5.00	PD-20590	M94	T8	170	A-4	39	N.A.	C8797725	C8797267	F8830997	C8830996	7					
8	35579	Thunderster, Cartridge Activated	STD	D8597496	M7		13.00	D8593275	M43	T8	94	A-4	24	766	F8797443	F8797442	C8848819	C8848818	8					
9	35579	Thunderster, Cartridge Activated	STD	D8597514	M18		12.00	D8593275	M43	T8	94	A-4	24	766	F8797443	F8797442	C8848864	C8848865	9					
10	35579	Thunderster, Cartridge Activated	STD	PD-20695	M19		0.13	D8595513	M119	M6	45	A-4	3	N.A.	C8830980	C8830981	C8836128	C8836129	10					
11	35579	Thunderster, Cartridge Activated	STD	PF-9860	M20	PF-9859	4.00	FB-51775	M127	T18	85	A-4	15.5	N.A.	C8845187	C8845186	C8797741	C8797742	11					
12	35579	Cutter, Powder Activated	STD	PD-20707	M8			PD-20702	M122			A-4	23	N.A.	C8826731	C8826730	C8835919	C8835920	12					
13																			13					
14																			14					
COL. NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	COL. NO.					
SYMBOLS																								
NOTES																								
OTOM - Ordnance Technical Committee Minutes NA - Not Available STD - Standard																								
(a) - Refer to AR705-6.																								

PREPARED BY:

PICATTINNY ARSENAL

DOVER, NEW JERSEY

ISSUED: 1 AUGUST 1961

SHEET NO. 27

PREPARED BY:
PIOTIRNY ARSENAL
DOVER, NEW JERSEY
ISSUED: 1 AUGUST 1961
SHEET NO. 27

ROCKETS, (GROUND) 3.5-INCH, 4.5-INCH, 2.36-INCH

ROCKETS, (GROUND) 3.5-INCH, 4.5-INCH, 2.36-INCH																												
LINE NUMBER	OTCM	COMPLETE ASSEMBLY							COMPONENT PARTS															PACKING		LINE NUMBER		
		Caliber (Inches)	Design- ation	Type	Assembly Drawing Number	(e) Launcher	(a) Type Classi- fication	Weight Loaded and Fused (LB)	HEAD								MOTOR							Inner Pack Drawing Number	Outer Pack Drawing Number			
									LOADING						Metal Parts Assembly Drawing Number	LOADING						Metal Parts Assembly Drawing Number						
									FILLER		FUZE		OTHER COMPONENTS			PROPELLING CHARGE				IGNITER								
									Composi- tion	Weight (LB)	Design- ation	Type	Drawing Number	Kind		Drawing Number	Design- ation	Weight (LB)	Form	Drawing Number	Design- ation		Drawing Number					
1	36433	3.5	M28A2 ^(b)	HEAT	82-6-22	M20 Series	STD-B	9.00	82-16-36	COMP B	1.88	M404A2	BD	73-10-35			82-5-131	82-16-35	M7	0.36	12 Sticks		M20	82-5-132	82-5-125	F7549038	G7549040	1
2	36841	3.5	M35A1 ^(b)	HEAT	82-6-37	M20 Series	STD-A	7.60	82-16-51	COMP B	1.70	M408E1	PIBD	F8796263	Nose Assembly	08796188	82-5-207	82-16-52	M7	0.44	19 Sticks		M38	74-7-13	82-5-209	F7549039	G7549040	2
3	36841	3.5	M29A2 ^(b)	PRAC	82-6-23	M20 Series	STD-B	8.96	-	-	-	M405	Dummy	72-5-16	-	-	82-5-145	82-16-35	M7	0.36	12 Sticks		M20	82-5-132	82-5-125	F7549038	G7549040	3
4	37119	3.5	M36	PRAC	82-6-39	M20 Series	STD-A	7.60	-	-	-	-	-	-	-	-	82-5-215	82-16-52	M7	0.44	19 Sticks		M38	74-7-13	82-5-209	F7549039	G7549040	4
5	37119	3.5	M30	WP Smoke	82-6-26	M20 Series	LS	8.96	82-16-39	WP	2.23	M404A2	BD	73-10-35	Burster CHG M19	73-1-197	82-5-166	82-16-35	M7	0.36	12 Sticks		M20	82-5-132	82-5-125	F7549038	G7549040	5
6	36841	3.5	M37 ^(c)	PROOF	82-6-38	M20 Series	STD-B	7.30	82-6-38 ^(d)	Solid ALUM	2.60	-	-	-	Adapter	82-6-38	82-6-38	82-16-52	M7	0.44	19 Sticks		M38	74-7-13	82-5-209	-	-	6
7	37119	4.5	M16A1 ^(f/g) M16A2	HE	82-6-9	M21	OBS	38.00 ^(h)	82-16-21	COMP B ^(f)	3.70	(k)			SUPPL CHG	8797090	82-5-48	82-16-16	M13	4.81	30 Sticks		M18A1	82-5-51	82-5-48	76-1-1141	76-1-1242	7
8	37119	4.5	M17A1 ^(g/m) M17A2	PRAC	82-6-9	M21	OBS	40.11	82-16-21	Inert Filler ^(m)	3.70	M73	Dummy	72-5-11	-	-	82-5-48	82-16-16	M13	4.81	30 Sticks		M18A1	82-5-51	82-5-87 82-5-89	F7548534	F7548535	8
9	37119	4.5	M20	HE	82-6-7	M12A1 ⁽ⁿ⁾ M12A2	OBS	40.11	82-16-21	COMP B	3.70	(k)			SUPPL CHG	8797090	82-5-48	82-16-13	M13	4.81	30 Sticks		M18A1	82-5-51	82-5-48	(n)	(n)	9
10	37119	4.5	M24	Drill	82-17-1	M21	OBS	42.50	82-16-21	Inert Filler	5.10	M73	Dummy	72-5-11	-	-	82-5-48	82-17-1	Inert Hard Wood	-	-		-	-	82-5-49	-	-	10
11	37119	4.5	M32	HE	82-6-16	M21	OBS	42.00	82-16-25	COMP B	6.10	(k)			SUPPL CHG	8797090	82-5-86 82-5-89	82-6-16	M16	7.78	7 Sticks		M36	82-5-95	82-5-87 82-5-89	F7548534	F7548535	11
12	35617	2.36	M6A3 ^(r) M6A3C	HEAT	82-6-3	M18 M9A1	OBS	3.38	82-16-6	50/50 or 10/90 Pentolite	0.47 0.013	(p)					82-5-21	82-5-22	PROP P	0.13	3/8 Stick		M12	74-7-5		76-1-1139	76-1-754	12
13	35617	2.36	M6A6	HEAT	82-6-3	M18 M9A1	OBS	3.45	82-16-6	COMP B Grade 1	0.50	M401	BD	73-10-29			82-5-21	82-5-22	M7	0.135	3/8 Stick		M12	74-7-5		76-1-1139	76-1-754	13
14	35617	2.36	M7A4 ^(s)	PRAC, AT	82-6-4	M18 M9A1	OBS	3.39	82-6-4	Inert	0.50	-	-	-			82-5-21	82-16-9	PROP P	0.13	3/8 Stick		M12	74-7-5		76-1-1139	76-1-754	14
15	35617	2.36	M7A6	PRAC, AT	82-6-4	M18 M9A1	OBS	3.45	82-6-16	Inert	0.50	-	-	-			82-5-21	82-16-9	M7	0.13	3/8 Stick		M12	74-7-5		76-1-1139	76-1-754	15
16	35617	2.36	M10A2 ^(u)	SMOKE WP	82-6-8	M18 M9A1	OBS	3.40	82-16-15	WP	0.89	(t)					82-5-47	82-16-14	M7	0.13	3/8 Stick		M12	74-7-5		76-1-1140	76-1-1258	16
COL NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	COL NO.

SYMBOLS

STD - Standard
LS - Limited Standard
BD - Base Detonating
PIBD - Point Initiating-Base Detonating
HEAT - High Explosive Anti-Tank
HE - High Explosive
PRAC - Practice
WP - White Phosphorus
ALUM - Aluminum
COMP - Composition
CHG - Charge
OTCM - Ordnance Technical Committee Minutes
PD - Point Detonating
SUPPL CHG - Supplementary Charge
PROP P - Propellant Powder
PRAC, AT - Practice, Anti-Tank

NOTES

(a) - Refer to AR705-6.
(b) - Rocket, HEAT M28 & M28A1 (STD-C) (OTCM 37107)
Rocket, HEAT M35 (STD-B) (OTCM 36322)
Rocket, PRAC M29 & M29A1 (STD-B) (OTCM 36841).
(c) - Companion Rocket for M35 and M36 for
propellant acceptance tests.
(d) - Lead slugs added to meet weight requirements.
(e) - 3.5-Inch Launchers, M20, M20A1, M20A1B1 and
M20B1 are (STD-A) (OTCM 36841)
3.5-Inch Launchers M20 & M20B1 modified,
and redesignated M20A1 & M20A1B1 respectively.
(f) - M16, Rocket, 4.5 also on hand, loaded with
5.1 lbs of TNT. This rocket is also obsolete.
(g) - M16A1 & M17A1 are renovated rounds. M16A2
and M17A2 are new manufacture.
(h) - Weight is without fuze.
(k) - Fuzes which may be used: M18A1, PD; M402
series, VT; MK173 MOD5, VT.

(m) - M17, Rocket, 4.5 also on hand, loaded with
5.1 lbs of Inert filler.
(n) - Rocket shipped with Launcher, or one Rocket and
one Launcher per box.
(p) - Detonator, M18, Dwg 73-2-46.
(r) - Rocket, M6A3C, same as M6A3, except
Detonator Cover removed.
(s) - Rocket, M7A3 also on hand, without filler.
(t) - Uses Burster Assembly, Dwg 82-5-46.
(u) - Rocket, M10 and M10A1 are also on hand.
These rockets are obsolete.

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DEMOLITION MATERIAL (EXPLOSIVE INITIATING DEVICES)							
LINE NUMBER	OTCM NO.	Nomenclature	(a) Type Classification	Complete Assembly Drawing Number	Specification Number	Remarks	LINE NUMBER
1	36841	Activator, AT, Practice, M1 (d)	STD-A	73-9-46	MIL-A-20572	Packed 1/mtl cntr, M182,100 cntr (100 Activator) /wdnbox. Dwg. F7548391 and F7548391. Metal PTS Dwg. 73-9-47.	1
2	36841	Activator, AT, Mine, M1	STD-B	73-9-16	MIL-A-20515	Packing Drawing F7548391.	2
3	36841	Activator, HE, M2	STD-A	C7548048	MIL-A-45062A	Packed 1/can. 180 csn (180 Activator)/wdn box, Dwg. F7548391. Plastic Parts. Specification MIL-A-12831A.	3
4		Adapter, Priming, M1A4	STD-A	82-0-169	MIL-A-417A	Plastic, Molded, Type I, Class I PA-PD-132. Safety Fuze, M700 or non-electric Blasting Caps are used.	4
5	37119	Base, Coupling, for Firing Device (f)	STD-A	D8837262	MIL-B-11596	(Replacement, Coupling Base, Metallic, T1 & T2) Primer, Perc, Cap M27, Replaces Primer, Perc, Cap M2 in this ASSY Dwg. C8837810	5
6	33891 36841	Cap, Blasting, Special, Non-Electric (JI PETN) (Type I)	STD-B	(h)	MIL-C-14003	Replacement: Cap, Blasting, Non-Electric M7.	6
7	33891 37119	Cap, Blasting, Special, Electric, (JII PETN) (Type II)	STD-A	(h)	MIL-C-14003	Replacement: Cap, Blasting, Electric, M6.	7
8	37401	Cap, Blasting, Special, Non-Electric M7	STD-A	C8830948	MIL-C-45469	Eventual Replacement for Cap, Blasting, Non, Electric, JI	8
9	37401	Cap, Blasting, Special, Electric M6	STD-A	F8830972	MIL-C-45468	Eventual Replacement for Cap, Blasting, Electric, JII	9
10		Clip, Cord, Detonating, M1	STD-B	82-0-166	JAN-C-373	Steel, Cold Rolled.	10
11							11
12							12
13							13
14							14
Col No.	1	2	3	4	5		Col No.
SYMBOLS STD - Standard LS - Limited Standard PETN - Pentaerythrite Tetranitrate (Explosive) CSTR - Container MTL - Metal MIL - Military ASSY - Assembly WS - White Smoke COMP - Composition AMMO - Ammunition PERC - Percussion INST - Instantaneous OBS - Obsolete AT - Anti-Tank REV - Revision SPEC - Specification OTCM - Ordnance Technical Committee Minutes.							
NOTES (a) - Refer to AR705-6. (b) - Engineering Corps Drawing number. (c) - Fuze, Friction Type M1 and M3, Loading ASSY and Packing Dwg. 7254264. (d) - Charge, WS, COMP Photoflash powder. (e) - Used w/kit, Demolition, M37, Dwg. 82-0-158. (f) - Refer to TM 9-1900 (Firing Device). (g) - Primer, PERC, Cap, M2 Replaced. (h) - by M27, PERC, Primer, Cap, Dwg. C8837810. Blasting Caps JI & JII to be made in accordance with specification MIL-C-14003.							
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DEMOLITION MATERIAL (EXPLOSIVE INITIATING DEVICES) (CONTINUED)							LINE NUMBER
LINE NUMBER	OTCM NO.	Nomenclature	(a) Type Classification	Complete Assembly Drawing Number	Specification Number	Remarks	
1	36841	Destructor, HE, Universal, M10	STD-A	82-0-205	MIL-D-12957	(M9 Destructor is OBS) M10 Uses Blasting Cap. Packing DWG 76-1-1593 and 76-1-1594. Charge, Teteryl, 2105 Grains.	1
2	37119	Igniter, Blasting Fuze, M1, Friction (c)	STD-C	78-0-136	OAC-PD-105 MIL-L-12597	Carton, Packing DWG B8835012. 30 Boxes per carton Box, Packing DWG B8835011. 10 Lighters per Box.	2
3	37290	Igniter, Blasting Fuze, M2, Weatherproof	STD-C	73-9-62	OAC-PD-51 MIL-L-394A	To be replaced with Igniter, Blasting Fuze, M60.	3
4		Igniter, Blasting, Fuze, M3E1, Friction (c)	STD-A	C8833721	OAC-PD-105 MIL-L-12597A	Carton, Packing DWG B8835012. Box, Packing DWG B8835011.	4
5	37290	Igniter, Blasting, Fuze, M60, Weatherproof	STD-A	F8822497	PA-PD-1711 REV 2	Replacement for Igniter, Blasting, Fuze, M2.	5
6	37072	Primer, PERC, Cap, M2 (g)	LS	B4760-1 (b)	MIL-P-20338	For Coupling Base, of Firing Device, Demolition Packed 2500/wooden box.	6
7	36841	Primer, PERC, Cap, M27	STD-A	C8837810	MIL-P-2497	Replacement for M2, Primer, PERC, Cap.	7
8		Primer Assembly, M15 (e)	STD-A	82-0-177		Packing: Carton, P84739 Box, P84735	8
9	37107	Primer, PERC, Cap, M76	STD-C				9
10							10
11							11
12							12
13							13
14							14
Col No.	1	2	3	4	5	6	Col No.

SEE SHEET NO. 30 for SYMBOLS and NOTES

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DEMOLITION MATERIAL (EXPLOSIVE) (CONTINUED)

LINE NUMBER	OTCM NO.	Nomenclature	(a) Type Classification	Complete Assembly Drawing Number	Metal Parts Assembly Drawing Number	Specification Number	CHARGE			Complete Assembly Weight (Lb)	PRIMER ASSEMBLY		PACKING		Remarks	LINE NUMBER
							Drawing Number	Kind	Weight (Lb)		Drawing Number	Designation	Inner Pack Drawing Number	Outer Pack Drawing Number		
1	36841	Charge, Demolition, Shaped, 40-lb, M3	STD-A	82-0-122	82-12-5	MIL-C-2149	82-13-2	COMP B 50/50 PENT Booster	29.25 1.7	48.68	82-0-169	Cap, Blasting ELRCT J-2 Type II (t/a)		7549165		1
2	36841	Charge, Propelling, Earth, Rod, Blast-Driven, M12 (a/Primer, M44)	STD-A	71-9-237	71-13-4	MIL-C-20331	71-9-238	Propellant M2	3.5 Grams	270 Grams	74-2-71	BP Glazed (f)	20-4-538	76-1-906 8796522	Detonated by Blasting Cap, J-2, Type II Fuse, Blasting, Time 12" Long, Dwg. 74-2-71B.	2
3	36841	Detonating Cord, Fuse, (g/h) Primacord (PETN) Type I, (RDX) Type II	STD-B	D4014-1 (p/j)		MIL-C-17124	SPECS MIL-P-387 MIL-P-398	PETN RDX	5.0 to 14.5 7.0 to 8.5	wt/1000ft 12.5 to 29.5 19.0 to 22.0				MIL-C-17124	Cord, Plastic Coating.	3
4	36841	Demolition Kit, Bangalore Torpedo, M1A2 (k)	STD-A	82-0-84	82-15-10	MIL-T-2087	75-14-386 (u)	COMP B and COMP A-3	9.5	144.9 10/ASSY				76-1-485 8796522	1 Nose Sleeve and 10 Connecting Sleeves are required.	4
5	37119	Demolition Kit, Projected Charge M1, W/M4, Rocket Motor	STD-A	8796266	8796267	X-PA-PD-1147	8796306	Cable (n) DET PETN	46.0	63.0	8796284	Detonator M1 W/15 SEC DELAY		8797610	Rocket Motors, M4 is to be requisitioned separately for use with this item.	5
6	37107	Demolition Kit, Projected Charge, M2	STD-C	D4306-1 (p) to-6			4306-5-1 QQ-T-191	Type I Class A Grade 2	3200 Total	12,500 Steel	4306-6-1				Operating Mechanism Details, Dwg. 4306-4 Explosive Ctg, 20-lb Explosive, Steel Casing.	6
7	37119	Demolition Kit, Projected Charge, M2A1	STD-B	ENG BP662					4500 Total	15,000 Steel		M1A1 Bullet Impact			Explosive Ctg, 35-lb Explosive - Aluminum Casing.	7
8	37119	Demolition Kit, Projected Charge, M3	STD-B	D5234-1-12 D5434-1-12		JAN-8-445	D5234-6-1	TNT, Ends 80/20 Amatol Middle	4500 Total	9,000 Alum		M1A1 Bullet Impact			Explosive Ctg, 35-lb Explosive - Aluminum Casing.	8
9	37119	Demolition Kit, Projected Charge, M3A1	STD-A	F7548327	F8797390	OAC-PE-121 OAC-PL-122	F8797424 (s)	COMP B COMP A-3	PA-PD-24 PA-PD-919	39.5 Center 2.7 End	F8797508	M1A1 Bullet Impact				9
10	37119	Dynamite, Military, M1	STD-A			MIL-D-45413					SPEC MIL-C-14003	Cap, Blasting Special		F8796522 PA-PD-372 WDN BX	Refer to table I and II, PA-PD-525 Detonating Cord, MIL-C-17124.	10
11	37107	Dynamite, Gelatin & Ammonia, 40%, 60%	STD-C			MIL-D-13638					SPEC MIL-C-14003	Cap, Blasting Special		MIL-D-13638A	Detonating Cord, MIL-C-17124 Packing SPEC MIL-B-2427 Shipment & Storage, MIL-STD-129.	11
12																12
13																13
14																14
Col No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Col No.

SEE SHEET NO. 33 for SYMBOLS and NOTES.

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DEMOLITION MATERIAL (MISCELLANEOUS)															
LINE NUMBER	OTCM NO.	Nomenclature	(a) Type Classification	Complete Assembly Drawing Number	Parts Assembly Drawing Number	Specification Number	CHARGE			PRIMER ASSEMBLY		PACKING		Remarks	LINE NUMBER
							Drawing Number	Kind	Weight	Drawing Number	Designation	Inner Packing Drawing Number	Outer Packing Drawing Number		
1	37119	Detonator, Friction, M2 8 Second Delay (c)	STD-C	73-9-110	73-9-111	JAN-D-409	73-9-112	MIN Base COMP	13.5 Grains	83-9-112	Lead Azide MIX 3.0	-	JAN-D-409 Section G		1
2	37119	Detonator, Friction, M1 & M1A1 15 Second Delay (c)	STD-C	73-9-110	73-9-112	JAN-D-409	73-9-112	MIN Base COMP	13.5 Grains	83-9-112	Lead Azide MIX 3.0	-	JAN-D-409 Section G		2
3	37119	Detonator, Percussion, M2A1 8 Second Delay	STD-A	8799909	8799909		8799913	(e)	(e)	8799910	Special Blasting Cap	8825212	8725213	Packed: 4 Cartons to each Box.	3
4	37119	Detonator, Percussion, M1A2 15 Second Delay	STD-A	8799908	8799908		8799913	(e)	(e)	8799910	Special Blasting Cap	8825212	8725213	Packed: 4 Cartons to each Box.	4
5	36841	Detonator Kit, Concussion, M1 Type E	STD-B	73-9-104	73-9-104	MIL-D-13969					Blasting Cap		76-1-1367	Cap, Blasting, Non-Electric, Inert ASSY DWG 82-0-168, Base Coupling, Assembly, DWG 82-0-175.	5
6	36841	Fuze, Blasting Time	STD-B			JAN-F-360 AN SPEC						JAN-P-106 AN Packing	JAN-P-108 AN Packing		6
7	36841	Fuze, Safety M700	STD-A			MIL-D-45144				SPEC MIL-C-14003	Special Blasting Cap		8796522	Additional Specification PA-PD-220	7
8	36841	Fuze, Bullet Impact, M1 & M1A1 (d)	STD-B	73-9-17	-	OAC-PD-118	73-9-21B SPEC OAC-PD-119	Pentolite 50/50, Cast	73 Grams	73-2-185	Detonator, M18	76-1-606	76-1-607	Loading SPEC JAN-P-408 Additional Specifications MIL-F-2152 & MIL-F-21099	8
9	37119 36841	Cutter, Powder Actuated, Reefing Line, M2 (b) (f)		82-0-159	82-3-735	MIL-C-10362	82-3-736	PRO P BP Unglazed	10.0 Grains	74-2-66	M42	76-1-1281	76-1-1282	Cutter, Reefing Line, M2, Metal Parts for MIL-C-10967.	9
10	37119 36841	Cutter, Powder Actuated, Reefing Line, M2A1 (b) (h)		82-0-159	82-3-735	OAC-PD-126	82-3-736	PROP BP Unglazed	10.0 Grains	74-2-66	M42	76-1-1281	76-1-1282	See Delay composition types, SPEC MIL-C-13739. See Table, LWG 82-3-736 for Charge Delay, Charge Igniter, and Charge Propellant.	10
11															11
12															12
13															13
14															14
Col No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Col No.

SYMBOLS

STD - Standard
 BP - Black Powder
 SEC - Second
 SPEC - Specification
 MIN - Minute
 ASSY - Assembly
 PROP - Propellant
 CHG - Charge
 AN - Army-Navy
 COMP - Composition
 OTCM - Ordnance Technical Committee Minutes
 APPROX - Approximately
 OBS - Obsolete

NOTES

- (a) - Refer to AR705-6.
 (b) - 2,4,6,8 and 10 SEC Delay.
 (c) - Inert Dwg. 82-0-173.
 (d) - For Smoke, Projection Charge, M2A1, M3 and M3A1.
 (e) - M2A1, 8 SEC Delay loaded with APPROX 1540 milligrams of Type II, Delay COMP
 M1A2, 15 SEC Delay loaded with APPROX 425 milligrams of Type I, Delay COMP
 and 2125 Milligrams of Type III, Delay COMP.
 (f) - Type Classification for M2, Reefing Line; 4,6,8 SEC Delay, STD USAF only
 OBS for USA and USN
 2 & 10 SEC Delay STD for all.
 (h) - Type Classification for M2A1, Reefing Line; 4,6,8 SEC Delay, STD for USAF only
 OBS for USA and USN.
 2 & 10 SEC Delay, STD for all.

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