TECHNICAL MANUAL

OPERATOR'S AND UNIT MAINTENANCE MANUAL

FOR

LAND MINES

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HEADQUARTERS, DEPARTMENT OF THE ARMY

OCTOBER 1995

WARNINGS

WHEN HANDLING THE M605 FUZE, ALWAYS TAKE CARE TO AVOID PUSHING ON THE CIRCULAR DEPRESSION IN THE BODY OF THE FUZE OPPOSITE THE TRIPWIRE PULLING BOSS. THIS IS THE SLIDER HOLDING THE FIRING PIN AND ANY MOVEMENT (EVEN THE SMALL AMOUNT ALLOWED WITH THE SAFETY COTTER PIN IN PLACE) CAN PLACE THE FIRING PIN CLOSER TO THE POINT OF RELEASE.

WHEN ARMING THE M605 FUZE, ALWAYS PULL THE POSITIVE SAFETY PIN WITH YOUR FINGERS (RATHER THAN JUST PULLING ON THE STRING) TO AVOID IMPARTING A SHOCK TO THE FUZE WHICH COULD ACTUATE IT.

DO NOT ATTEMPT TO NEUTRALIZE DAMAGED MINE. EITHER DESTROY IT IN PLACE WITH PREPARED CHARGE, OR ATTACH 50-METER LENGTH OF WIRE OR ROPE TO HEAD OF FUZE AND, FROM SECURE PROTECTED POSITION, PULL MINE FROM HOLE. DESTROY THE DAMAGED MINE BY DETONATING REMOTELY IN A SAFE AREA.

MINE M18A1 WILL BE PREPARED FOR NONELECTRIC DETONATION IF THERE IS POSSIBILITY OF SPONTANEOUS INITIATION DURING ELECTRIC STORMS WHICH COULD ENDANGER FRIENDLY TROOPS. REFER TO FM 5-25, AND KEEP TROOPS AWAY FROM BLAST.

DO NOT MISTAKE CHEMICAL MINE FOR A MINE M15. THE MINE M23 IS SIMILAR IN SIZE AND SHAPE TO THE MINE M15. THE CHEMICAL MINE CAN BE DISTINGUISHED VISUALLY AND BY TOUCH FROM THE MINE M15 BY EIGHT RAISED PROJECTIONS SPACED IN PAIRS AROUND THE PERIPHERY OF THE TOP OF THE CHEMICAL MINE.

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HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 30 October 1995

OPERATOR'S AND UNIT MAINTENANCE MANUAL FOR LAND MINES

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. You may mail, e-mail, or FAX your response. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms) or DA Form 2028-2 located in the back of this manual direct to: Commander, U.S. Army TACOM, Armament Research, Development and Engineering Center, ATTN: AMSTA-AR-WEL-S, Picatinny Arsenal, NJ 07806-5000. E-mail address is LSB@ PICA.ARMY.MIL. FAX number is Commercial (973) 724-4633, DSN 880-4633. A reply will be furnished to you.

Page

CHAPTER 1. INTRODUCTION

Section I. General
1-1. Scope 1-1
1-2. Forms, records, and reports 1-1
1-3. Destruction of Army materiel to prevent enemy use 1-1

Section II. Description and Data
1-4. General 1-1
1-5. Mine antipersonnel, nonmetallic (NM): M14, with intergral fuze 1-4
1-6. Mine, antipersonnel: M16 Series (M16, M16A1, M16A2, M16A1 Inert), with fuze, mine combination: M605 1-4
1-7. Mine, antipersonnel: M18A1 and accessories packed in bandoleer M7 1-6
1-8. Mine, antipersonnel: M86, Pursuit Deterrent Munition (PDM) 1-10
1-9. Mine, antipersonnel, practice: M8, with fuze, mine combination, practice: M10 or M10A1; mine, antipersonnel, practice: M8A1, with fuze, mine combination, practice: M10A2 1-12
1-10. Mine, antipersonnel, practice, non metallic (NM): M68 1-12
1-11. Mine, antitank: HE, heavy, M15, with fuze, mine, AT, M603 and activator M1 or with fuze, mine: M624 1-14
1-12. Mine, antitank: HE, nonmetallic (NM), M19, with fuze, mine, M606 1-16
1-13. Mine, antitank: HE, heavy, M21, with fuze, mine, AT, M606 1-17
1-14. Mine, antitank: HE, M24, with fuze M404 1-18
1-15. Mine, antitank, practice: heavy, M12A1, with fuze M604 1-20
1-16. Mine, antitank practice: heavy, M20, with fuze M604 1-20

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		Page
CHAPTER 1.	INTRODUCTION - Continued	
Section II.	Description and Data - Contiunued	
	1-17. Mine, antitank, training: M80	1-20
	1-18. Canister, mine: M87 and M87A1	1-22
	1-19. Canister, mine, practice: M88	1-23
	1-20. Canister, mine practice: M89	1-24
Section III.	Safety, Care, and Handling	
	1-21. Safety	1-24
	1-22. Care and handling	1-25
CHAPTER 2.	OPERATING INSTRUCTIONS	
	2-1. Mine, antipersonnel: M14, with integral fuze	2-1
	2-2. Mine, antipersonnel: M16 Series (M16, M16A1, M16A2, M16A1 Inert), with fuze, mine combination: M605	2-6
	2-3. Mine, antipersonnel: M18A1, with accessories	2-12
	2-4. Mine, antipersonnel: M86	2-27
	2-5. Mine, antipersonnel, practice: M8, with fuze, mine combination, practice: M10 or M10A1; Mine, antipersonnel, practice: M8A1, and fuze, mine combination, practice: M10A2	2-32
	2-6. Mine, antipersonnel, practice: nonmetallic (NM), M68	2-33
	2-7. Mine, antitank: HE, heavy, M15, with fuze, mine, AT, M603 and activator, AT, mine: M1 or with fuze, mine: M624	2-34
	2-8. Mine, antitank: HE, nonmetallic (NM): M19, with fuze, mine, M606	2-47
	2-9. Mine, antitank: HE, heavy, M21, with fuze, mine, combination, AT, M607	2-56
	2-10. Mine, antitank: HE, M24, with fuze M404	2-61
	2-11. Mine, antitank, practice: heavy, M12A1 and M20, with fuze M604	2-73
CHAPTER 3.	OPERATOR MAINTENANCE INSTRUCTIONS	
Section I.	Service Upon Receipt of Materiel	
	3-1. General	3-1
	3-2. Unpackaging precautions	3-1
Section II.	Tools and Equipment	
	3-3. Common tools and equipment	3-6
	3-4. Repair parts and special tools	3-6
Section III.	Maintenance	
	3-5. General	3-6
	3-6. Inspection	3-6
	3-7. Cleaning/preservation	3-6
	3-8. Adjustment of firing device and fuze safety pin	3-6
	3-9. Inspection of mine canisters	3-6

Page

CHAPTER 4. UNIT MAINTENANCE INSTRUCTIONS

4-1. General 4-1
4-2. Expendable materials 4-1
4-3. Inspection of packaging 4-1
4-4. Inspection of mines and mine canisters 4-3
4-5. Cleaning, touch-up, and marking of mines and mine canisters 4-4
4-6. Maintenance of packaging hardware 4-5
4-7. Maintenance of packaging containers and materials 4-6
4-8. Marking of packaging material 4-7
4-9. Repacking procedures 4-7
4-10. Painting and marking of boxes with light loads 4-8

CHAPTER 5. SHIPMENT/MOVEMENT AND STORAGE

Section I. Shipment/Movement

5-1. Precautions 5-1
5-2. Instructions 5-1
5-3. Data 5-1

Section II. Storage

5-4. Precautions 5-1
5-5. Data 5-1
5-6. Procedures 5-2

APPENDIX A. REFERENCES A-1

APPENDIX B. PACKING MATERIALS, ACCESSORIES AND TOOLS

Section I. Introduction B-1
Section II. Packing Materials and Accessories B-1
Section III. Special Packing Tools B-3

APPENDIX C. MAINTENANCE ALLOCATION CHART

Section I. Introduction C-1
Section II. Maintenance Allocation Chart C-3

APPENDIX D. LIST OF EXPENDABLE AND DURABLE ITEMS

Section I. Introduction D-1
Section II. Expendable and Durable Items List D-2

APPENDIX E. PACKING, MARKING, AND STORAGE DATA

Section I. Introduction E-1
Section II. Packing, Marking, and Storage Data E-1

LIST OF ILLUSTRATIONS

Figure No.	*Title*	*Page*
1-1	Mine, antipersonnel, nonmetallic (NM): M14, with integral fuze	1-4
1-2	Mine, antipersonnel: M16A1 inert	1-6
1-3	Mine, antipersonnel, training: M81	1-6
1-4	Mine, antipersonnel: M18A1	1-7
1-5	Mine, antipersonnel: M18A1 and accessories packed in bandoleer M7	1-9
1-6	Mine, antipersonnel: M86	1-11
1-7	Mine, antipersonnel: M86, packed two to a bandoleer	1-11
1-8	Mine, antipersonnel, practice: M8, with fuze, mine combination, practice: M10 or M10A1	1-12
1-9	Mine, antipersonnel practice, nonmetallic (NM): M68	1-13
1-10	Mine, antitank: HE, heavy, M15, with fuze, mine, AT, M603	1-14
1-11	Mine, antitank: HE, heavy, M15, with fuze, mine M624 (ARMED)	1-15
1-12	Mine, antitank: HE, nonmetallic (NM), M19, with fuze, mine, M606	1-16
1-13	Mine, antitank: HE, heavy, M21, with fuze, mine, AT, M607	1-17
1-14	Basic components, mine, AT: HE, M24	1-18
1-15	Emplaced mine, antitank: HE, M24	1-19
1-16	Mine, antitank, practice: heavy, M12A1, and fuze M604	1-20
1-17	Mine, antitank, practice: heavy, M20	1-21
1-18	Mine, antitank, training, M80	1-21
1-19	Canister, mine: M87	1-22
1-20	Canister, mine, practice: M88	1-23
1-21	Canister, mine, training: M89	1-24
2-1	Cutaway view of mine, antipersonnel: nonmetallic (NM): M14, with integral fuze	2-1
2-2	Fuze wrench M22 (old and new styles)	2-2
2-3	Mine M14 components	2-3
2-4	Silicone grease G-697 being applied to joint between detonator holder and bottom of mine, AP, M14	2-4
2-5	Mine, antipersonnel: M16A1, with fuze, mine combination: M605, with tripwire and fuzing wrench M25	2-7
2-6	Applying silicone grease G-697 on mine M16A2	2-8
2-7	Installation of tripwire for mine M16A2	2-11
2-8	Mine, antipersonnel: M18A1, with accessories	2-13
2-9	Casualty and danger areas of antipersonnel mine M18A1	2-14
2-10	Aiming antipersonnel mine M18A1 (equipped with knife-edge sight)	2-17
2-11	Electric blasting cap assembly M4, with blasting cap M6	2-17
2-12	Mine M18A1 set up for non-electric detonation	2-19
2-13	Packing for mine, antipersonnel: M86	2-27
2-14	Packing (inner, intermediate, and outer) for mine, antipersonnel: M86	2-29
2-15	Arming sequence, mine, antipersonnel: M86	2-30
2-16	Mine, antipersonnel, practice: M8, with fuze, mine combination, practice: M10 or M10A1	2-33
2-17	Mine, antipersonnel, practice: M8A1, with fuze, mine combination, practice: M10A2	2-33
2-18	Packing box for two antipersonnel practice mines M8 and 20 of each replacement part	2-33
2-19	Packing box for mine M15 and M624, fuze M603, and activator M1	2-34
2-20	Arming wrench M20	2-34
2-21	Fuze well	2-35
2-22	Fuze M603 metal container	2-35

LIST OF ILLUSTRATIONS-Continued

Figure No.	Title	Page
2-23	Fuze, mine, AT, M603	2-35
2-24	Coating fuze M603 with silicone grease G-697	2-35
2-25	Setting knob in SAFE and ARMED positions	2-36
2-26	Inserting M603 fuze and arming mine M15	2-36
2-27	Emplacing mine M15	2-37
2-28	Laying mine into pit	2-37
2-29	Outer packing for M624 fuze	2-38
2-30	Inner packing for M624 fuze	2-39
2-31	Correct, configuration of M624 fuze	2-41
2-32	Wrong. Safety pin loop should be on right side	2-41
2-33	Wrong. Safety pin left leg should not be assembled inside safety band	2-41
2-34	Safety pin and M624 fuze greasing	2-42
2-35	Unscrew and remove end closure	2-42
2-36.	Tighten fuze by hand	2-42
2-37	Tighten fuze with extension rod	2-42
2-38	Recommended burial for tilt rod fuzed AT mines	2-43
2-39	Extension rod assembly	2-43
2-40	Assembly of extension rod into fuze ring	2-43
2-41	Left hand grasping fuze (arming fuze)	2-44
2-42	Pull with right hand (arming fuze)	2-44
2-43	Removal of safety pin (arming fuze)	2-44
2-44	Remove safety band and stop (fuze is armed)	2-45
2-45	Antihandling devices	2-45
2-46	One method of boobytrapping mine M15	2-45
2-47	Removing fuze M606 from fuze well of mine M19	2-48
2-48	Armed and unarmed firing pin in fuze M606	2-49
2-49	Depth of water chart for emplacement of mine M19	2-52
2-50	Stream and river emplacement of mines M19	2-53
2-51	Triangulation method of emplacing mines M19 in streams	2-54
2-52	Outriggers for amphibious emplacement of mines M19	2-55
2-53	Cutaway view of mine, antitank: M21	2-56
2-54	Wirebound packing box for mine, antitank: M21 and components	2-57
2-55	Removal of closure assembly from fuze M607	2-58
2-56	Arming wrench M26	2-59
2-57	Band, stop, and pull ring assembly in place	2-59
2-58	Accessories pouch fastened to dispenser pouch (mine M24)	2-61
2-59	Discriminator spool with accessories compartment cover removed (mine M24)	2-62
2-60	Demolition firing device M61	2-63
2-61	Unreeling discriminator	2-63
2-62	Emplacement for wheeled and tracked vehicles	2-64
2-63	Connecting discriminator to firing device	2-66
2-64	Preferred launcher placement	2-67
2-65	Launcher with cable assembly attached to rocket	2-67
2-66	Emplaced launcher and sighting assembly, weighted	2-68
2-67	Safety band in place and removed	2-69
2-68	Depressing ejection pin	2-69
2-69	Exposed shorting clip	2-69
2-70	Launcher with bipod assembly and elevation and azimuth sighting assembly	2-70
2-71	Emplaced launcher and sighting assembly with bipod - weighted	2-72

LIST OF ILLUSTRATIONS-Continued

Figure No.	*Title*	*Page*
3-1	Typical wirebound box	3-1
3-2	Sallee closer	3-2
3-3	Typical fiber containers	3-3
3-4	Ammunition metal container	3-4
3-5	Mine canister metal container	3-5

CHAPTER 1
INTRODUCTION

Section I. GENERAL

1-1. Scope

These instructions are for use by operator and organizational maintenance personnel. Refer to FM 20-32 for emplacement techniques and tactical requirements of land mine warfare.

1-2. Forms, Records, and Reports

Department of the Army maintenance forms and reporting procedures are prescribed in TM 38-750. Accidents involving injury to personnel or damage to materiel will be reported in DA Form 285 (Accident Report) in accordance with AR 385-40. Explosive ammunition malfunctions will be reported in accordance with AR 75-1.

1-3. Destruction of Army Materiel to Prevent Enemy Use

Destruction of land mines subject to capture or abandonment will be undertaken by the user only when such action is indicated by orders of, or policy established by, the Army commander (see TM 750-244-5-1).

Section II. DESCRIPTION AND DATA

1-4. General

a. Land mines covered in this manual are listed in table 1-1. Included are fuzes, miscellaneous components, and mine canisters.

b. Land mines and related components are classified under service or practice categories (tables 1-1 and 1-2).

(1) Service mines contain high explosive charges. They are the primary tactical munitions.

(2) Practice mines are generally duplicates of service mines. They are used for training purposes and may contain a small black powder or pyrotechnic charge to give a puff of smoke or a noise to simulate functioning of the mine.

(3) Inert mines are usually metal or plastic counterparts of the service mines, but they contain no explosive element. They are used for training with inert material, such as sand, to simulate the weight of the service mine.

c. Service mines and mine canisters, with their practice counterparts, are listed in table 1-2.

Table 1-1. Mines, Miscellaneous Components, and Mine Canisters

Nomenclature	Color Identification	National Stock Number (NSN)	Department of Defense Identification Code (DODIC)
ANTIPERSONNEL			
SERVICE			
Mine, Antipersonnel, NM: M14, with Integral Fuze	Olive Drab Yellow Lettering	1345-00-096-3093	K121
Mine, Antipersonnel: M16 Series, M16, M16A1, M16A1 Inert, M16A2, with Fuze, Mine Combination: M605	Olive Drab Yellow Lettering	1345-00-965-0742 1345-00-799-7391 (M16A1 Inert)	K092
Mine, Antipersonnel: M18A1, with Accessories	Olive Drab Yellow Lettering	1345-00-710-6946 1345-00-926-3950	K143 K145 (Limited access)
Mine, Antipersonnel: M26, with Integral Fuze	Olive Drab Yellow Lettering	1345-00-678-9822	K146
Mine, Antipersonnel: M86, Pursuit Deterrent Munition (PDM)	Olive Drab Yellow Lettering	1345-01-243-5089	K152

Table 1-1. Mines, Miscellaneous Components, and Mine Canisters-Continued

Nomenclature	Color Identification	National Stock Number (NSN)	Department of Defense Identification Code (DODIC)
PRACTICE			
Mine, Antipersonnel, Practice: M8, with Fuze, Mine Combination, Practice: M10 or M1OA1; Mine, Antipersonnel, Practice: M8A1, with Fuze, Mine Combination, Practice: M10A2	Blue, White Lettering, Brown Band	1345-00-028-5092 1345-00-555-5870	K105
Mine, Antipersonnel, Practice: M35 Lettering	Blue, White	1345-00-931-6801	K106
Mine, Antipersonnel, Practice NM: M68	Blue	1345-00-402-2226	K139
Mine, Antipersonnel, Training: M81 Lettering	Bronze, White	6920-01-136-3628	
ANTITANK			
SERVICE			
Mine, Antitank: HE, Heavy, M15 with Fuze, Mine, AT, M603	Olive Drab Yellow Lettering	1345-00-028-5118 1345-00-173-2715 1345-00-142-3441	K180
Mine, Antitank: HE, NM, M19, with Fuze, Mine, M606	Olive Drab Yellow Lettering	1345-00-348-8646 1345-00-849-9768	K250
Mine, Antitank: HE, Heavy, M21, with Fuze, Mine Combination, AT, M607	Olive Drab Yellow Lettering	1345-00-729-4263 1345-00-173-2716	K181
Mine, Antitank: HE, M24, with fuze M404	Olive Drab Yellow Lettering	1345-00-782-5513	K182
PRACTICE			
Mine, Antitank, Practice: Heavy, M12A1, with Fuze M604	Blue, White Lettering	1345-00-028-5117	K230
Mine, Antitank, Practice: Heavy, M20 with Fuze M604	Blue, White Lettering	1345-00-344-2368	K231
Mine, Antitank, Training, M80 with Fuze, Mine, M606 Inert White Lettering	Olive Drab with Bronze Circles	1345-00-799-7390	
MISCELLANEOUS COMPONENTS			
Activator, Antitank, Mine: M1	N/A	1345-00-028-5124	K001
Activator, Antitank, Mine: Practice, M1	Black Body Blue Cap	1345-00-028-5105	K002
Activator, Antitank, Mine: M2 Yellow Lettering	Olive Drab	1345-00-324-1424	K003
Arming, Plug, Antitank Mine: M4	Olive Drab	1345-00-028-5115	K273
Body Antipersonnel, Mine: For Practice, AP, Mine, M8A1 Brown Band	Blue White Lettering	1345-00-665-3955	K280
Booster, Antitank, Mine: M120 Black Lettering	Metallic	1345-00-028-5106	K272
Cap Antipersonnel, Mine: For Mine, AP, Practice: M8	Blue	1345-00-026-5126	M271
Charge, Spotting, Mine: For Mine, AP Practice: M8	N/A	1345-00-028-5127	K040