
DEPARTMENT OF THE ARMY TECHNICAL MANUAL

**DEMILITARIZATION PROCEDURES
FOR
HYDRA-70 ROCKET LAUNCHERS
(FORMERLY 2.75-INCH ROCKET LAUNCHERS)
(USED WITH ROTARY-WING AIRCRAFT ARMAMENT SUBSYSTEMS)**

Headquarters, Department of the Army, Washington, D.C.
9 September 1985

SECTION I. INTRODUCTION

1. Scope

This manual provides additional technical instructions covering the methods and degree of demilitarization of surplus military items as required by DOD 4160.21.1-M. Where this manual conflicts with DOD 4160.21.1-M, the latter takes precedence.

2. Reporting of Equipment Publication Improvements

The reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications) and forwarded direct to: Commander, US Army Missile Command, ATTN: AMSMI-SNPM, Redstone Arsenal, AL 35898-5238.

3. Authorization

Demilitarization of surplus military materiel will be limited to that which the National inventory control points (NICP) have identified as requiring demilitarization. Demilitarization of those items which are not normally physically accepted by a property disposal officer (PDO) will be accomplished by the activity having physical custody of the property upon completion of all required utilization and donation screening. Such action will be coordinated with the PDO. Where appropriate, demilitarization of this

property may be accomplished as a condition of sale, provided that there are effective controls and surveillance to insure proper demilitarization. Where the PDO is the custodian of the property and is unable to perform the required demilitarization, he may require demilitarization as a condition of sale, with proper inspection and surveillance, or may obtain assistance from the activity turning in the property.

4. Certification

A certificate reading substantially as quoted below and signed by two qualified Government representatives will be executed and placed in the applicable contract or property disposal file for all items demilitarized.

I certify that (indicate items) were demilitarized in accordance with (cite specific instructions which were complied with; e.g., Defense Demilitarization Manual, DOD 4160.21.1-M, and TM 750-262-4-6).

5. Reporting Demilitarization

Refer to AR 755-2 for instructions on the records required when non-classified items are demilitarized and reclassified from items to scrap. Refer to TB-9-298 for instructions on the records required when classified items are demilitarized. For accounting purposes, a signed and countersigned certificate (see

*This manual supersedes TM 750-262-4-6, 12 March 1973

TM 750-262-4-6

para 4, above) will accompany all demilitarized equipment or materiel turned in to the property disposal officer for disposition. Demilitarization certificates for classified equipment or materiel are covered in AR 380-5.

6. Items to be Demilitarized

Table 1 shows the Hydra-70 rocket launcher items which require demilitarization.

Table 1. *Hydra-70 rocket launcher items*

Component	Federal stock number
M158 A1 Rocket Launcher	1055-00-805-0689
Launch Tube	1055-00-133-9544
M200 Rocket Launcher	1055-00-133-9295
Launch Tube	1055-00-400-2470
M200 A1 Rocket Launcher	1055-00-168-6164
Launch Tube	1055-00-459-3209
M260 Light Weight Launcher	1055-01-070-9113
M261 Light Weight Launcher	1055-01-071-0064

SECTION II. METHOD OF DEMILITARIZATION

7. Equipment Required

Shop set, welding, 3470-00-348-7596 (SC 3470-95-CL-A11) or equivalent.

8. Safety Precautions

- a. Operators must wear approved safety shoes.
- b. When demilitarizing launchers with a welding torch, operators must use approved eye protection and spark or slag resistant clothing.

9. Operations

- a. The Hydra-70 rocket launchers will be destroyed by cutting, crushing or melting them, or by removing them from their containers and dumping them at sea.
- b. Figure 1 shows the general areas where the launchers should be cut or crushed. The cut at the breech end of the launchers must pass through the rocket detent of each tube.

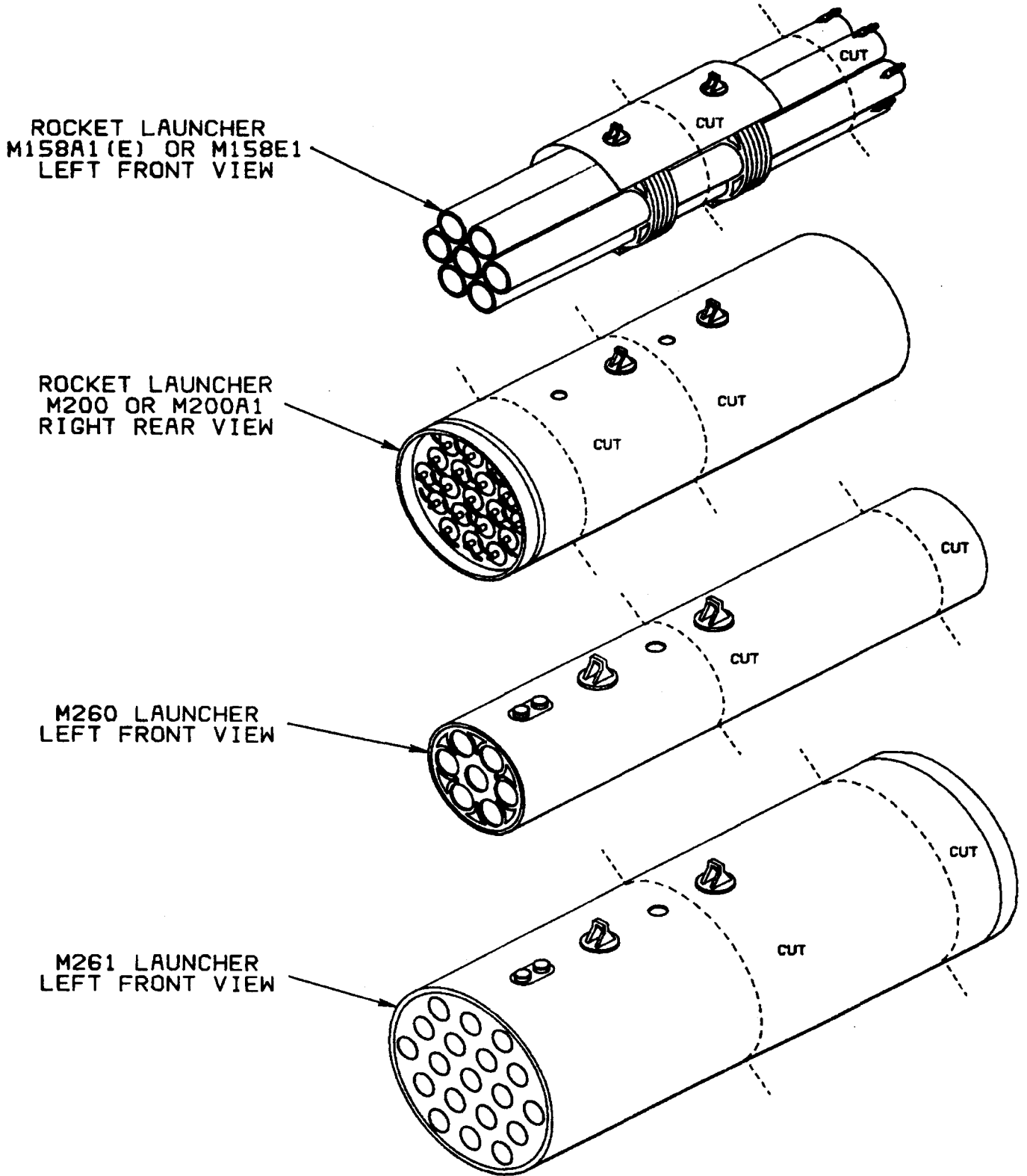


Figure 1. Areas of rocket launchers to be cut or crushed.

APPENDIX A
REFERENCES

AMC safety manual	AMCR 385-100
Defense disposal manual.....	DOD 4160.21-M
Defense demilitarization manual.....	DOD 4160.21.1-M
Destruction of classified ordnance items of guided missile materiel.....	TB9-298
Disposal of excess, surplus, foreign excess, captured, and unwanted materiel	AR 755-2
Mechanized accounting procedures for property disposal activities.....	AMCR 755-3
Reporting, utilization, and redistribution of installation, US Army Materiel Command and overseas command excess personal property.....	AR 755-1
Requisitioning, receipt, and issue system.....	AR 725-50
Storage and shipment of supplies and equipment.....	AMCR 740-3
Department of the Army information security program	AR 380-5

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Distribution:

To be distributed in accordance with DA Form 12-32 Operator, Organizational, Direct and General Support Maintenance requirements for Hydra-70 Rocket Launchers.

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN...JOT DOWN THE
DOPE ABOUT IT ON THIS FORM.
CAREFULLY TEAR IT OUT, FOLD IT
AND DROP IT IN THE MAIL.

SOMETHING WRONG WITH PUBLICATION

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DATE SENT

PUBLICATION NUMBER

PUBLICATION DATE

PUBLICATION TITLE

BE EXACT PIN-POINT WHERE IT IS

PAGE
NO.

PARA-
GRAPH

FIGURE
NO.

TABLE
NO.

IN THIS SPACE, TELL WHAT IS WRONG
AND WHAT SHOULD BE DONE ABOUT IT.

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER

SIGN HERE

THE METRIC SYSTEM AND EQUIVALENTS

WEIGHT MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches
 1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches
 1 Kilometer = 1000 Meters = 0.621 Miles

WEIGHTS

1 Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces
 1 Kilogram = 1000 Grams = 2.2 lb.
 1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
 1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

SQUARE MEASURE

1 Sq. Centimeter = 100 Sq. Millimeters = 0.155 Sq. Inches
 1 Sq. Meter = 10,000 Sq. Centimeters = 10.76 Sq. Feet
 1 Sq. Kilometer = 1,000,000 Sq. Meters = 0.386 Sq. Miles

CUBIC MEASURE

1 Cu. Centimeter = 1000 Cu. Millimeters = 0.06 Cu. Inches
 1 Cu. Meter = 1,000,000 Cu. Centimeters = 35.31 Cu. Feet

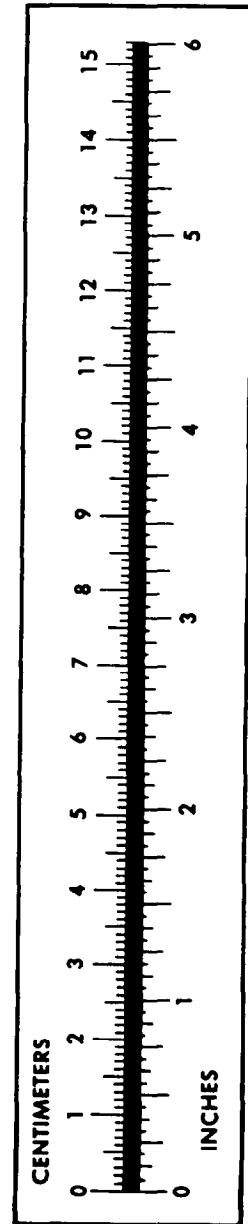
TEMPERATURE

$5/9(^{\circ}\text{F} - 32) = ^{\circ}\text{C}$
 212° Fahrenheit is equivalent to 100° Celsius
 90° Fahrenheit is equivalent to 32.2° Celsius
 32° Fahrenheit is equivalent to 0° Celsius
 $9/5^{\circ}\text{C} + 32 = ^{\circ}\text{F}$

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
its	Liters	0.473
arts	Liters	0.946
allons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds per Square Inch	Kilopascals	6.895
Miles per Gallon	Kilometers per Liter	0.425
Miles per Hour	Kilometers per Hour	1.609

TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
ers	Gallons	0.264
ms	Ounces	0.035
ograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pounds-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
ometers per Liter	Miles per Gallon	2.354
ometers per Hour	Miles per Hour	0.621



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