

**PACKING AND MARKING INSTRUCTIONS**

**NOTES:**

- 1. PLACE BOTTOM CUSHION (ITEM 2) IN BODY OF M548 CONTAINER (PART OF ITEM 1) AS SHOWN.
- 2. PLACE FUZES (PART OF ITEMS 5 AND 14) IN BOTTOM CUSHION, (ITEM 2) AS SHOWN. ONLY ONE PRODUCTION LOT SHALL BE PACKED IN EACH M548 CONTAINER.
- 3. PLACE CONNECTOR ENDS OF POWER CABLE, (PART OF ITEMS 5 AND 14), IN BUNDLES OF THREE CABLES EACH AND INSERT IN ADJACENT HOLES IN BOTTOM CUSHION (ITEM 2).
- 4. PLACE MIDDLE CUSHION, (ITEM 3), OVER TOPS OF FUZES, (PART OF ITEMS 5 AND 14). CUSHION SHALL REST ON THE FACES OF THE FUZES.
- 5. PLACE FZU-48 INITIATORS, (PART OF ITEMS 5 AND 14), IN MIDDLE CUSHION, (ITEM 3). ORIENTING ELECTRICAL PLUGS ON BOTTOMS WITH OVAL CUTOUTS IN CUSHION SO THAT THE INITIATORS FIT FLUSH WITH THE SURFACE OF THE CUSHION. TUCK LANYARDS (COIL AS REQUIRED) IN ADJACENT HOLES.
- 6. CLOSURE RINGS, (PART OF ITEMS 5 AND 14), SHALL BE INSTALLED IN MIDDLE CUSHION, (ITEM 3).
- 7. PLACE TOP CUSHION, (ITEM 4), OVER INITIATORS AND CLOSURE RINGS, (PART OF ITEMS 5 AND 14). CUSHION SHALL SEAT FLUSH ON TOP OF INITIATORS.
- 8. PLACE (4) UNITS OF DESICCANT, (ITEM 6), IN EDGE RECEPTACLES OF TOP CUSHION, (ITEM 4).
- 9. ATTACH HUMIDITY INDICATOR, (ITEM 8), USING TAPE, (ITEM 7), TO UNCOATED SIDE OF BARRIER MATERIAL, (ITEM 9). PLACE HUMIDITY INDICATOR AGAINST TOP CUSHION, (ITEM 4), WITH COATED SIDE OF BARRIER MATERIAL FACING UPWARD.
- 10. PLACE COVER PART OF (ITEM 1) ON CONTAINER BODY, SECURE LATCHES AND FASTEN ANTIPIRFERAGE SEAL, (ITEM 10), THRU THE Ø1/4 HOLE IN THE HASP AND THEN THRU THE NEAREST SLOT IN THE LATCH FOR LATCHES AT BOTH ENDS OF CONTAINER AS SHOWN. THE SEAL BODY SHALL BE OF ALUMINUM, AND WIRE MATERIAL SHALL BE OF GALVANIZED STEEL. THE SEAL SHALL BE SECURELY CRIMPED PRIOR TO SHIPMENT USING A DIE WHICH IMPRINTS A SYMBOL ON THE DISC. THE SYMBOL SHALL PROVIDE TRACEABILITY OF THE SHIPMENT FROM THE PACKAGING SOURCE. FOR PRIVATE CONTRACTORS, THE SYMBOL SHALL BE THE MANUFACTURER'S COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE. FOR GOVERNMENT ACTIVITIES, THE SYMBOL SHALL IDENTIFY THE ACTIVITY BY UNIT IDENTIFICATION CODE (UIC), AND THE INDIVIDUAL, E.G. INSPECTOR INDICATOR (STAMP) NUMBER, APPLYING THE SEAL.
- 11. INPUT INFORMATION INTO AMMUNITION DATA CARD SYSTEM IN ACCORDANCE WITH MIL-STD-1168. PLACE AMMUNITION DATA CARD, ITEM 12, ON TOP OF TOP CUSHION, ITEM 4, AS SHOWN.
- 12. MARKING INFORMATION:
  - (M101) A. CONTAINER SHALL BE MARKED AS DESCRIBED WITH .25 INCH HIGH CHARACTERS USING MARKING METHODS STATED IN NOTES 19 AND 20.
  - (A4) B. LOT NUMBER MAY BE HAND WRITTEN WHEN REPACKAGING FUZE ASSEMBLIES.
  - (A5) C. APPLY 2D BAR CODE IN ACCORDANCE WITH ARMY DRAWING 19200-12999545.
  - (A6) D. SEE CONTRACT, HAZARD CLASSIFICATION OR SW020-AC-SAF-010 FOR INFORMATION.
  - (B4)(A7) E. FOR NAVY ASSETS ONLY: NAVAIR LOGO SHALL BE IN ACCORDANCE WITH DRAWING 30003-923AS731, USING .38 INCH HIGH CHARACTERS.
  - (A8) 13. A. ON THE SIDE OPPOSITE THE NATIONAL STOCK NUMBER (NSN) MARKING, APPLY THE FOLLOWING PERFORMANCE ORIENTED PACKAGING (POP) MARKINGS. MARKINGS SHALL BE .50 INCH MINIMUM HIGH CHARACTERS USING THE MARKING METHODS STATED IN NOTES 19 AND 20.
 

REPLACE "\*\*\*" WITH YEAR MANUFACTURED OR PACKED

u n 4A/Y81/S/\*\*  
USA/DOO/NAD

Ø2.00 MIN
  - (A9) B. APPLY EXPLOSIVE LABEL CONFORMING TO 49CFR, ON SIDE OPPOSITE OF NATIONAL STOCK NUMBER. SEE HAZARD CLASSIFICATION OR SW020-AC-SAF-010 TO DETERMINE WHICH LABEL IS REQUIRED.

- (B5) 14. THERE SHALL BE NO PARTIAL SHIPMENTS UNLESS APPROVED BY THE CONTRACTING OFFICER. MARK LIGHT SHIPMENTS IN ACCORDANCE WITH MIL-STD-129.
- 15. THE DELTA SYMBOL INDICATES "SEE NOTE"
- (B6)(A10) 16. FOR NAVY ASSET PALLETIZATION REQUIREMENTS SEE NAVSEA DRAWING 53711-6214082.
- (A11) 17. ANTIPIRFERAGE SEAL, STOFFEL 911 SOURCE OF SUPPLY STOFFEL SEALS CORP. 400 HIGH AVE NYACK, NY 10960-0825 CAGE CODE: 01019
- (B7)(A12) 18. THE FOLLOWING REQUIREMENT DOES NOT APPLY TO M548 AMMUNITION BOXES SUPPLIED AS GOVERNMENT FURNISHED MATERIAL. THE CONTRACTOR SHALL SUBMIT FIVE (5) RANDOM PRODUCTION SAMPLE CONTAINERS, (ONE CONTAINER SHALL HAVE INNER PACKING), (6) INERT FUZES, 6 CLOSURE RINGS AND (6) FZU-48 INITIATORS AT THE START OF PRODUCTION TO: DIRECTOR NAVAL PHST CENTER, NAVAL SURFACE WARFARE CENTER, INDIAN HEAD DIV. DET. EARLE, 201 STATE HIGHWAY 34 SOUTH, COLTS NECK, NJ 07722-5023. PERFORMANCE ORIENTED PACKAGING TEST SHALL BE PERFORMED BY PHST CENTER IN ACCORDANCE WITH 49CFR 178.600 SERIES.
- 19. PRIOR TO STENCILING OR AFFIXING LABELS, THOROUGHLY CLEAN CONTACT SURFACE OF CONTAINER BODY (PART OF ITEM 1), USING ALCOHOL, ITEM 13.
- 20. MARKING SHALL BE BY STENCILING OR APPLYING LABELS AS FOLLOWS:
  - A. STENCIL AND VISUALLY BALANCE ALL CHARACTERS AND SOLID VERTICAL LINES, USING INK OR PAINT, COLOR WHITE, INKS OR PAINT SHALL BE WHITE AND UV RESISTANT AND COATED WITH A CLEAR UV RESISTANT ACRYLIC. INK A-A-56032, TYPE III AND PAINT (ENAMEL LOW VOC) A-A-2787, TYPE I OR EQUIVALENTS MAY BE USED. DPI #311 (DELL MARKING SYSTEMS) AND WILLMARK #44 (WILLARD MARKING DEVICES CORPORATION) ARE LOW VOC INKS RECOMMENDED BY JOINT TEST REPORT J-95-0C-005-R AND MAY BE USED.
  - B. THE FOLLOWING LABEL MATERIALS ARE APPROVED:
    - 1. ANODIZED ALUMINUM FOIL, MIL-DTL-15024, MIL-P-19834, TYPE I AND GG-P-455, TYPE I, CLASS 1. FOIL BACKGROUND COLOR SHALL BE BLACK, AND ALL CHARACTERS SHALL BE NATURAL.
    - 2. BRADY B-747 LASERTAB MARKERS, PRINTED WITH DESIGNATED HP LASERJET PRINTERS AND OVER LAMINATED WITH BRADY B-966B CLEAR POLYESTER OVER LAMINATING TAPE. JOINT TEST REPORT J-95-0C-005-R, UV FILE MH17154, CSA RECORD LS 41833 AND TECHNICAL DATA SHEET TDS NO. B-747 APPLY. ALL CHARACTERS SHALL CONTRAST WITH LABEL BACKGROUND AND CONTAINER.
    - 3. BRADY B-107 WHITE POLYESTER LABEL STOCK, PRINTED WITH DESIGNATED HP INK JET PRINTERS AND OVER LAMINATED WITH BRADY B-966B CLEAR POLYESTER OVER LAMINATING TAPE. JOINT TEST REPORT J-95-0C-005-R AND TECHNICAL DATA SHEET TDS NO. B-107 APPLY. ALL CHARACTERS SHALL BE BLACK.
    - 4. CRITCHLEY WHITE POLYESTER LABEL STOCK, PRINTED WITH THERMAL TRANSFER PRINTER AND UV OVER LAMINATED. JOINT TEST REPORT J-95-0C-005-R. ALL CHARACTERS SHALL BE BLACK.
- (M103) 22. FOAM MUST NOT CONTAIN RESIDUAL EXPLOSIVE BLOWING AGENTS ABOVE 10% OF THE LOWER EXPLOSIVE LIMIT BY VOLUME. FOAM PUNCTURED TO RELEASE BLOWING AGENTS MAY NOT ABSORB MORE THAN 0.30 LBS OF WATER PER SQUARE FOOT OF CUT SURFACE.

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A	(1-16)	SEE NSWC IHD ECP 104007	3/11/04	S/RS
B	(1-18)	SEE NSWC IHD ECP 107003	07/3/23	S/RS
C	(1-3)	SEE NSWC IHD ECP 109067	09/10/6	S/RS
D	(1)	SEE NSWC IHD ECP 110006	11/02/15	S/RS

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.  
THE COGNIZANT ACTIVITY CAGE CODE IS 040L3.

TABLE I (SEE NOTE 21)

DASH NO.	FUZE ASSEMBLY	LABEL DESIGNATION
-1	1379AS318	FMU-139 B/B FUZE AND ACCESSORIES
-2	1379AS972	FMU-139 C/B FUZE AND ACCESSORIES (NAVY)
ALT	70272-101055	FMU-139 C/B FUZE AND ACCESSORIES (ATK)
ALT	66126-28290000	FMU-139 C/B FUZE AND ACCESSORIES (KDI)

QTY REQ	QTY REQ	ITEM OR FND NO.	CAGE CODE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	MATERIAL OR NOTE
		ALT -	14	66126 28290000	FMU-139 C/B FUZE AND ACCESSORIES (KDI)	SEE NOTE 21	
		ALT -	14	70272 101055	FMU-139 C/B FUZE AND ACCESSORIES (ATK)	SEE NOTE 21	
		6 -	14	1379AS972	FMU-139 C/B FUZE AND ACCESSORIES (NAVY)	SEE NOTE 21	
		AR AR	13		ISOPROPYL ALCOHOL	ASTM D770	SEE NOTE 19
		1 1	12		AMMUNITION DATA CARD	MIL-STD-1168	SEE NOTE 11
		AR AR	11		INK, PAINT OR LABEL		SEE NOTES 12A, 13A, 19, AND 20
		ALT ALT	10		STOFFEL 911 ALUCAST AND WIRE 26 SP STYLE A, TYPE I OR EQUIVALENT	ANTIPIRFERAGE SEAL	SEE NOTES 10 & 17
		2 2			CLASS P-1	BARRIER MATERIAL	PPP-B-1055
		ALT ALT	9		TYPE I 2.00 X 3.00	BARRIER MATERIAL	MIL-PRF-121
		1 1			MIL-I-8835	INDICATOR, HUMIDITY	SEE NOTE 9
		ALT ALT	8		MS20003-2	INDICATOR, HUMIDITY	SEE NOTE 9
		1 1			TYPE II	TAPE	A-A-883
		AR AR	7		TYPE I OR II	DESICCANT	MIL-D-3464
		AR AR	6		1379AS318	FMU-139 B/B FUZE AND ACCESSORIES	SEE NOTE 21
		1 1	4	98747 9042207	CUSHION, TOP		SEE NOTE 22
		1 1	3	98747 9042206	CUSHION, MIDDLE		SEE NOTE 22
		1 1	2	98747 9042205	CUSHION, BOTTOM		SEE NOTE 22
		1 1	1	19200 7258943	CONTAINER, M548		
		-2 -1			ITEM OR FND NO.	CAGE CODE	PART OR IDENTIFYING NO.
							NOMENCLATURE OR DESCRIPTION
							SPECIFICATION
							MATERIAL OR NOTE

PARTS LIST

INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100, ASME Y14.24, ASME Y14.34M, ASME Y14.35M	DESIGN APPROVED FOR PROTOTYPE/LIMITED PRODUCTION	CONTRACT NO. NAVY PHST CENTER - CODE 71	DEPARTMENT OF THE NAVY
DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES	DATE (YY-MM-DD) 01-08-27	DATE (YY-MM-DD) 01-06-05	NAVAL AIR SYSTEMS COMMAND
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: 3 PLACE DECIMALS - FRACTIONS - 2 PLACE DECIMALS - ANGLES -	DESIGNER S/JN	CHECKER S/JN	PATUXENT RIVER, MD 20670-1547
REMOVE BURRS, BREAK SHARP EDGES .015 MAX SURFACE ROUGHNESS 125	APPROVED FOR NAVAIR S/R SMITH / 01/08/27	DATE (YY-MM-DD) 01-08-27	FMU-139 FUZE ASSEMBLY
			PACKING AND MARKING (SIX PACK)
MATERIAL: SEE PARTS LIST	SIZE F	CAGE CODE 30003	DWG NO. 1379AS926
			REV D
			SHEET 1 OF 2

CLASSIFICATION OF CHARACTERISTICS DOD-STD-2101	
CRITICAL	NONE
MAJOR	3
MINOR	NONE ANNOTATED

D	C
C	C
B	B
A	A
SHEET 1	SHEET 2
REVISION STATUS OF SHEETS	

(B12) DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.

DRAWING NO. 1379AS926

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A	(17-21)	SEE NSWC IHD ECP I04007	3/11/04	S/RS
B	(19-22)	SEE NSWC IHD ECP I07003	07/3/23	S/RS
C	(4)	SEE NSWC IHD ECP I09067	09/10/6	S/RS

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN  
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