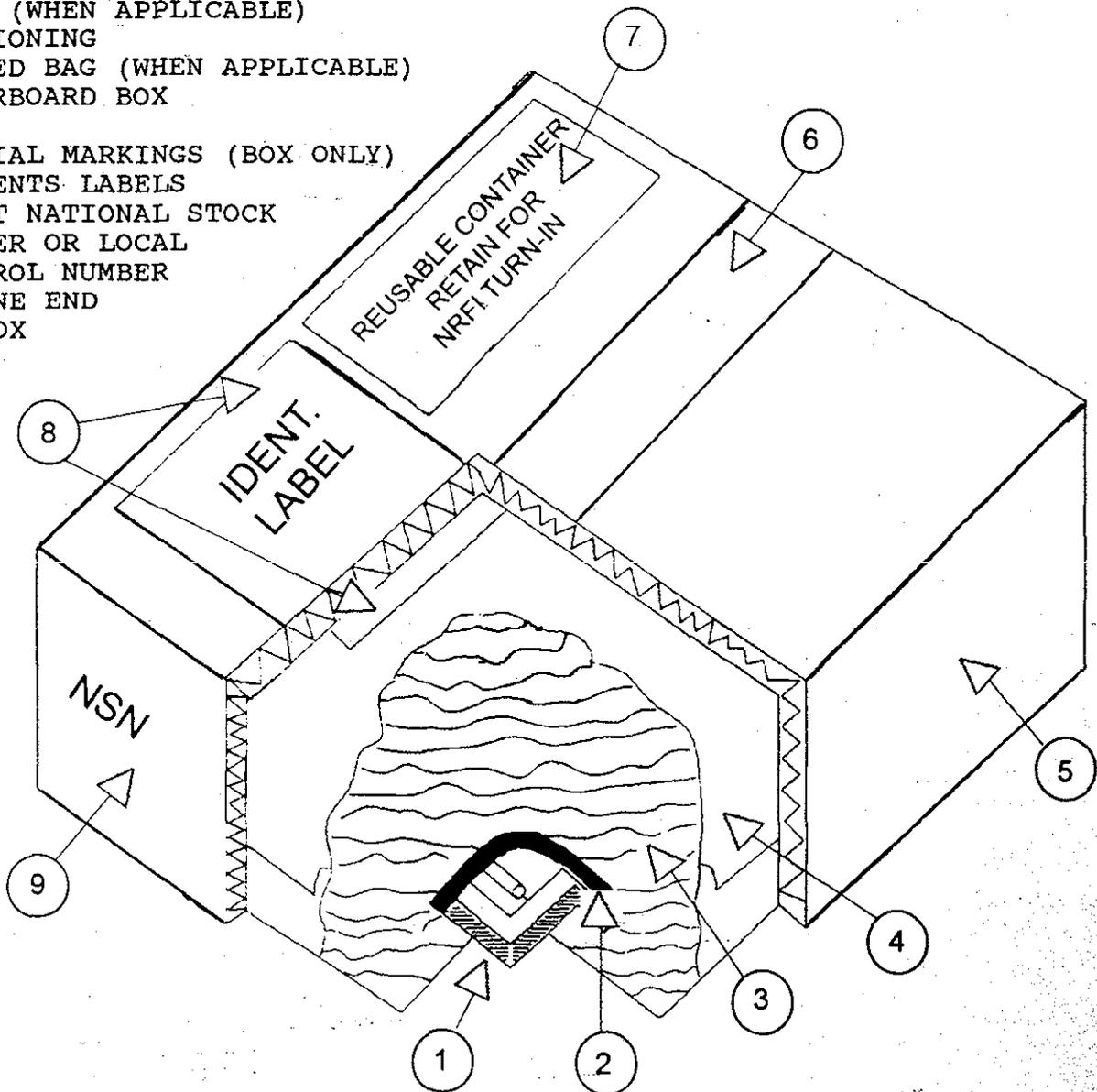


NAVAL INVENTORY CONTROL POINT			CODE IDENT	SPI NO.
SPECIAL PACKAGING INSTRUCTION (SPI)			03950	* 10134
NOMENCLATURE:		NATIONAL STOCK NUMBER	DATE	REV
Limited Reusable Packaging for Repairable Components		VARIOUS	13 Dec 1995	
QUP	MAX. UNIT PACKAGE WT.	MAX. UNIT PACKAGE CUBE	MAX. UNIT PACKAGE DIMS.	DWN BY <u>RAS</u> APP BY <u>FAS</u>
N/A	N/A	N/A	N/A	SHEET 1 OF 4

1. ITEM
2. WRAP (WHEN APPLICABLE)
3. CUSHIONING
4. SEALED BAG (WHEN APPLICABLE)
5. FIBERBOARD BOX
6. TAPE
7. SPECIAL MARKINGS (BOX ONLY)
8. CONTENTS LABELS
9. PRINT NATIONAL STOCK NUMBER OR LOCAL CONTROL NUMBER ON ONE END OF BOX



* This Special Packaging Instruction replaces MS90363-6

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			SHEET 2 OF 4

1. Method of preservation shall be submethod IA-8, (Electrostatic Protective) in accordance with MIL-P-116.

a. Items subject to damage by electromagnetic and electrostatic field forces shall be initially wrapped with material conforming to MIL-B-81705, Type II or III or cushioned (complete coverage required) in material conforming to PPP-C-1752, Class 1, 2, or 3, Grade B, Type I; or PPP-C-1797, Type II; PPP-C-795, Class 2; or PPP-C-1842, Type III, Style A or B. Other electrostatic protective cushioning materials may be used, but must be tested in accordance with FED-STD-101, Method 4046 and meet the static decay rate specified in MIL-B-81705.

b. Connector pins, knobs, and sharp protrusions, which may cause bag puncture, shall be blunted using additional material conforming to the above specified materials. Lead and terminal configuration shall be maintained as manufactured.

c. Fabricate the barrier bag from electrostatic protective, flexible and heat-sealable material conforming to MIL-B-81705, Type I (MIL-B-117, Type I, Class F, Style 1).

2. Items shall be cleaned in accordance with process C-1 of MIL-P-116 and packaged in accordance with applicable narrative of this instruction.

a. Conservation of weight and cube - All unit, intermediate and shipping containers shall be designed to conserve weight and volume to the maximum extent practicable, without sacrificing container rigidity or protective capability required to ensure safe arrival of the item, even when submitted to the rigors of multiple handlings and long-term storage. This SPI is intended for items weighing up to 100 pounds.

3. Preservative materials required, will be in accordance with the general provisions of MIL-P-116. Items coated with a preservative shall be wrapped with barrier material conforming to MIL-B-121.

4. Unless otherwise specified by the contract/order and/or packaging requirements data, the use of nonplastic cushioning material is required in compliance with Public Law 100-200 (Act to Prevent Pollution from Ships). Authorized, nonplastic alternatives specified in MIL-STD-2073-2 are: (e.i., PPP-P-291, paperboard wrapping and cushioning; UU-P-268, kraft paper; ASTM D 4727 (Formerly PPP-F-320), fiberboard die cuts, sleeves, or cells; A-A-1898B, Grade II (Formerly PPP-C-843, Type II, cellulosic wadding). Apply sufficient numbers of wraps to

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obtain stated cushioning thickness. Connector pins, knobs, and sharp protrusions, which may cause bag puncture, shall be blunted using additional cushioning material or caps and plugs. Shredded paper, (newspaper, office scrap, computer sheets, waste paper, etc.), excelsior and polystyrene and other loose-fill materials are prohibited for use for cushioning in all packaging and packing operations. Cushioning shall be non-corrosive and shall not flake or powder.

Items for which the contract/order and/or packaging requirements data specifies transparent packaging materials to accomplish the unit pack shall be cushioned with PPP-C-795, Class 2; PPP-C-1752, Class 1, 2, or 3, Grade A or B; PPP-C-1797, Type I or II; MIL-P-26514, Type I or III; or MIL-F-83671, Class 1, 2, or 3.

ITEM WEIGHT RANGE (POUNDS)	CUSHIONING THICKNESS (INCHES)
1 or less	1/4
Over 1 but less than 5	1/2
Over 5 but less than 10	3/4
Over 10 but less than 15	1
Over 15 but less than 25	1-1/2
Over 25 but less than 40	2
Over 40 but less than 55	2-1/2
Over 55 but less than 70	3
Over 70 through 100	3-1/2

5. Unit containers used as shipping containers will be in accordance with the following weight limitations:

ITEM WEIGHT RANGE (POUNDS)	CONTAINER SPECIFICATION
80 or less	ASTM-D-5118/5118M (formerly PPP-B-636) Weather Resistant, Style CF or SF
Between 80 and 100	ASTM-D-5168 (formerly PPP-B-640) Weather Resistant, or Wood Box conforming to PPP-B-601

ASTM-D-5118/5118M (formerly PPP-B-636), Style OPF containers shall be used for electronic circuit boards and other flat items. When a wood box is used, fastener systems other than nails are required to insure maximum reuse capabilities. Container closure shall be in accordance with the requirements of the applicable container specification.

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6. Tape shall conform to PPP-T-45, Type II, Class 1 (Strippable) for fiberboard boxes ASTM-D-5118/5118M (formerly PPP-B-636).

7. MIL-STD-129 markings for sensitive electronic items shall apply with the following exceptions: Apply one sensitive electronic device caution label to both, the barrier bag and fiberboard unit container with the following marking adjacent to the label (2" x 2" or less).

**"ATTENTION - STATIC SENSITIVE DEVICES:
HANDLE ONLY AT STATIC SAFE WORK STATIONS"**

8. In addition to MIL-STD-129 marking requirements, the National Stock Number (NSN) or Navy Item Control Number (NICN) shall be marked on one end of the container and the statement "Reusable Container Retain for NRFI (Not Ready for Issue) Turn In" shall be marked in the upper right hand corner.

9. Material unit packaged in accordance with this statement shall always be packed for shipment as specified in associated instructions and/or the procurement document.

