

MIL-M-14545D

16 September 1975

SUPERSEDING

MIL-M-14545C

23 February 1966

MILITARY SPECIFICATION

* MAINTENANCE KIT, COLD WEATHER BOOT-PNEUMATIC MATTRESS

This specification is approved for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 This specification covers a maintenance kit containing a rubber patch, adhesive, and abrasive for the emergency field repair of cold weather boots and pneumatic mattresses (see 6.1).

2. APPLICABLE DOCUMENTS

- * 2.1 The following documents, of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein:

SPECIFICATIONS

FEDERAL

- PPP-B-26 - Bag, Plastic, (General Purpose).
- PPP-B-566 - Boxes, Folding, Paperboard.
- PPP-B-636 - Boxes, Shipping, Fiberboard.
- PPP-T-45 - Tape, Gummed, Paper, Reinforced and Plain, For Sealing and Securing.

MILITARY

- MIL-R-3065 - Rubber, Fabricated Products.

STANDARDS

MILITARY

- MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes.

FSC 8465

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- MIL-STD-129 - Marking for Shipment and Storage.
- MIL-STD-417 - Rubber Compositions, Vulcanized General Purpose, Solid (Symbols and Tests).

DRAWING

US ARMY NATICK DEVELOPMENT CENTER

- 5-7-87 - Maintenance Kit, Cold Weather Boot-Pneumatic Mattress

(Figure 1 is a miniature reproduction of referenced drawing and is attached for information only.)

(Copies of specifications, standards, drawings, and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless a specific issue is identified, the issue in effect on date of invitation for bids or request for proposal shall apply:

American Society for Testing Materials Standards

- D 1053 - Measuring Low-Temperature Stiffening of Rubber and Rubber-Like Materials by Means of a Torsional Wire Apparatus

(Application for copies should be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.)

National Motor Freight Traffic Association, Inc., Agent

National Motor Freight Classification

(Application for copies should be addressed to the American Trucking Associations, Inc., Tariff Order Section, 1616 P Street, N.W., Washington, DC 20036.)

Uniform Classification Committee, Agent

Uniform Freight Classification

(Application for copies should be addressed to the Uniform Classification Committee, Room 1106, 222 South Riverside Plaza, Chicago, IL 60606.)

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(Technical society and technical association specifications and standards are generally available for reference from libraries. They are also distributed among technical groups and using Federal agencies.)

3. REQUIREMENTS

- * 3.1 First article. When specified (see 6.2), the supplier shall furnish a sample for first article inspection and approval (see 4.3 and 6.4).

3.2 Components. The maintenance kit shall consist of the following components assembled into a kit as specified in 3.4.

- (a) Rubber patch.
- (b) Tube of adhesive.
- (c) Strip of abrasive.
- (d) Instruction sheet.
- (e) Plastic film envelope.

3.3 Materials.

3.3.1 Patch. The patch shall be made of rubber and shall have a contact side and a face side. The contact side shall be capable of being activated by the solvent adhesive alone (i.e. without heat) to produce an adherent patch. The contact side of the patch shall be protected by a smooth, plain backing as specified in 3.3.1.1. The face side of the patch (i.e., the cured side) shall have no film or protective barrier. The color of the patch shall be gray to black. Dimensions and beveling shall be as shown on Drawing 5-7-87.

3.3.1.1 Backing. The backing for the contact side of the patch shall be slit and shall be aluminum foil, polyethylene or mylar. The backing shall completely cover the contact side of the patch and result in a smooth, plain surface. When tested as specified in 4.4.3, the backing shall be easily removed in two pieces.

3.3.2 Adhesive. The adhesive shall be a natural rubber base, nonflammable solvent type. The formulation shall be at the manufacturer's discretion providing that the requirements in 3.3.2.1, 3.3.2.2 and 3.5 are met. At least 1.5 milliliters of the adhesive shall be contained in a collapsible aluminum tube. Heat sealing cement shall be applied only to the tube ends and dried before filling the tube with adhesive. The filled tube shall have both ends double folded, securely crimped and heat sealed immediately after filling. The maximum dimensions of the filled and sealed tube shall be 1-1/2 inches by 1-1/2 inches by 1/8 inch.

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3.3.2.1 Weight loss. The weight loss of the tubes of adhesive shall be not greater than 7 milligrams for any 1 tube and not greater than 28 milligrams for the 5 tubes combined when tested as specified in 4.4.3.

3.3.2.2 Workability at low temperature. The adhesive shall be spreadable without undue difficulty when tested as specified in 4.4.3.

3.3.3 Abrasive. 120 mesh silicon carbide shall be suitably bonded to both sides of a 24 mesh backing forming an abrasive strip. The abrasive strip shall measure 1 (+ 1/8) inch by 2 (+ 1/8) inches (see 6.3).

3.3.3.1 Abrasiveness. When tested as specified in 4.4.3, the abrasive strip shall produce a satisfactory abraded surface which is suitable for bonding.

3.3.3.2 Resistance to water. There shall be no appreciable loosening or loss of abrasive particles from the strip when tested as specified in 4.4.3.

3.3.3.3 Workability at low temperature. When tested as specified in 4.4.3, the abrasive strip shall produce a satisfactory abraded surface and shall show no loss in flexibility or abrasiveness.

3.3.4 Instruction sheet. The instructions shall be printed on white paper using elite type, or equal, and shall be folded and inserted into the polyethylene envelope so as to be legible in their entirety without opening the kit. The text and fold of the instructions shall be as follows:

INSTRUCTIONS

MAINTENANCE KIT, COLD

WEATHER BOOT-PNEUMATIC MATTRESS

CAUTION: USE ONLY IN WELL-VENTILATED AREA

1. CLEAN AREA TO BE PATCHED.
2. BUFF THOROUGHLY WITH ENCLOSED ABRASIVE.
3. OPEN TUBE OF ADHESIVE BY TEARING OFF END.
----- (Fold here)
4. APPLY COAT OF ADHESIVE TO BUFFED AREA,
ALLOW TO DRY ABOUT 3 TO 5 MINUTES.
5. REMOVE BACKING FROM PATCH.
DO NOT TOUCH FRESH SURFACE.

6. APPLY PATCH.

7. PRESS FIRMLY IN PLACE.

(Manufacturer's name or initials),

Date manufactured (month and year)

Shelf life expiration date (same month - 2 years later).

- * 3.3.5 Plastic film envelope. The envelope shall be as shown on Drawing 5-7-87 and shall conform to type II, finish, natural color, style 1, film thickness 0.002 inch of PPP-B-26. All seams and closures shall be effected by heat sealing.

3.4 Assembly of kit. The kit shall be assembled as shown on Drawing 5-7-87 with (a) patch placed between abrasive sheet and tube of adhesive (b) abrasive sheet, patch and tube of adhesive placed within the single-folded instruction sheet, (c) printed matter on the outer faces of the folded instruction sheet, and (d) all seams of the envelope sealed.

3.5 Patch performance.

3.5.1 Resistance to creep. The average creep shall not exceed 1/8 inch when tested as specified in 4.4.3.

3.5.2 Flexibility at low temperature.

3.5.2.1 Bonded patch. The bonded patch shall not crack and shall not separate from the test sheet when tested as specified in 4.4.3.

3.5.2.2 Unbonded patch. The highest temperature in degrees Fahrenheit for relative torsional modulus of 10 (T10) shall be minus 65 when tested as specified in 4.4.3.

3.5.3 Accelerated aging. When tested as specified in 4.4.3, there shall be no cracking, checking or lifting of the rubber patch and there shall be no cracking or checking of the surrounding area of the test sheet into which the cement film extends for a short distance.

3.5.4 Patch application at low temperature. At least one of the 3 patches applied and tested as specified in 4.4.3 shall be fully adhered (i.e., without lifting of edge).

3.6 Workmanship. The kits shall conform to the quality and grade of product established by this specification and the occurrence of defects shall not exceed the acceptable quality levels specified herein.

4. QUALITY ASSURANCE PROVISIONS

- * 4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance

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of all inspection requirements as specified herein. Except as otherwise specified in the contract or order, the supplier may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

- * 4.1.1 Certificate of compliance (see 4.3.1). Where certificates of compliance are submitted, the Government reserves the right to check test such items to determine the validity of the specification.
- * 4.2 Classification of inspections. The inspection requirements specified herein are classified as follows:
 1. First article inspection (see 4.3).
 2. Quality conformance inspection (see 4.4).
- * 4.3 First article inspection. When required (see 6.2), the first article submitted in accordance with 3.1 shall be inspected as specified in 4.4.2.1, 4.4.2.2 and 4.5 for compliance with design, construction, workmanship, dimensional and marking requirements.

4.4 Quality conformance inspection. Sampling for inspection shall be performed in accordance with MIL-STD-105, except where otherwise indicated hereinafter.

4.4.1 Component and material inspection. In accordance with 4.1 above, components and materials shall be inspected in accordance with all the requirements of referenced specifications, drawings and standards unless otherwise excluded, amended, modified or qualified in this specification or applicable purchase document. In addition, the supplier shall submit a certificate of compliance for adhesive material, volume and tube requirements of 3.3.2, and for the abrasive material requirement of 3.3.3 (see 4.1.1).
- * 4.4.2 Examination of the end item. The end item shall be examined for visual dimensional and preparation for delivery defects in accordance with the classification of defects set forth in 4.4.2.1 through 4.4.2.3. The inspection levels and acceptable quality levels (AQLs) shall be as specified in 4.4.2.4. The lot size shall be expressed in units of kits for the examinations in 4.4.2.1 and 4.4.2.2 and in units of shipping containers for the examination in 4.4.2.3.

4.4.2.1 Visual examination. The sample unit for this examination shall be one kit.

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<u>Examine</u>	<u>Defect</u>
General: (as applicable to components)	Any component omitted. Not type specified. Any component defective or otherwise impaired.
Envelope	Not material specified. Not transparent. Not completely sealed. Any hole, cut, tear or burn.
Tube	Tube not double folded and securely crimped at both ends. Any defect that may result in leakage of adhesive. Not aluminum.
Patch	Brittle. Tacky on noncontact side. Any hole, cut, tear or rip. Backing omitted or does not completely cover contact surface of patch. Backing not smooth, plain surface. Color is not gray to black. Imbedded foreign matter.
Marking (instruction sheet)	Missing, incomplete, illegible, size or kind of characters not as specified. Sheet not fabricated of white paper. Sheet not positioned in the envelope as specified.

4.4.2.2 Dimensional examination. The end item, including all components, shall be examined for defects in dimensions. Any dimension that is not within the specified tolerance shall be classified as a defect. The sample unit for this examination shall be one kit.

4.4.2.3 Examination of preparation for delivery requirements. An examination shall be made to determine that packaging, packing and marking comply with section 5 requirements. Defects shall be scored in accordance with list below. The sample unit shall be one shipping container fully prepared for delivery with the exception that it need not be closed. Defects of closure listed below shall be examined on shipping containers fully prepared for delivery. The lot size shall be the number of shipping containers in the end item inspection lot.

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<u>Examine</u>	<u>Defect</u>
Marking (exterior and interior)	Omitted; incorrect; illegible; of improper size, location, sequence or method of application.
Materials	Any component missing, damaged or not as specified. Any component damaged, affecting serviceability.
Workmanship	Inadequate application of components, such as incomplete closure of container flaps, improper taping, loose strapping or inadequate stapling. Bulged or distorted container.
Content	Number of kits per package is more or less than required. <u>1/</u> Number of packages per shipping container is more or less than required.

1/ For this defect, two packages from each shipping container in the sample shall be examined.

4.4.2.4 Inspection level and AQL for examinations. The inspection levels for determining the sample size and the AQLs expressed in defects per one hundred units shall be as follows:

<u>Examination paragraph</u>	<u>Inspection level</u>	<u>AQL</u>
4.4.2.1	I	4.0
4.4.2.2	S-3	6.5
4.4.2.3	S-1	2.5

- * 4.4.3 Testing of the end item. The end item (kit containing all components) shall be tested for the characteristics listed in table I. The lot shall consist of a manufacturer's batch of all materials manufactured at the same time using the same materials. The sample unit shall be 30 complete maintenance kits. The sample size shall be in accordance with inspection level S-1 of MIL-STD-105. The AQL shall be 2.5 defects per 100 units. All test reports shall contain the individual values utilized in expressing the final result.

TABLE I. End item tests

Characteristic	Requirement paragraph	Test method	Requirements applicable to		Number deter. per unit	Results reported as	
			unit	lot		Pass or fail	Numerically to nearest
Removal of backing from patch <u>1</u> /	3.3.1.1	4.5.1	X	-	5	X	-
Adhesive weight loss <u>1</u> /	3.3.2.1	4.5.2.1	X	-	5	-	0.1 mg.
Adhesive workability at low temperature	3.3.2.2	4.5.2.2	X	-	3	X	-
Abrasiveness of abrasive strip	3.3.3.1	4.5.3.1	X	-	1	X	-
Resistance to water of abrasive strip <u>1</u> /	3.3.3.2	4.5.3.2	X	-	1	X	-
Low temperature workability of abrasive strip	3.3.3.3	4.5.3.3	X	-	3	X	-
Resistance to creep							
One hour after bonding	3.5.1	4.5.4.4.1	-	X	5	-	1/16 inch
One day after bonding	3.5.1	4.5.4.4.2	-	X	5	-	1/16 inch
After heat aging of kits	3.5.1	4.5.4.4.3	-	X	5	-	1/16 inch
Flexibility at low temperature							
Bonded patch	3.5.2.1	4.5.5.1	X	-	1	X	-
Unbonded patch	3.5.2.2	4.5.5.2	X	-	3	-	1° F.
Accelerated aging of patch area	3.5.3	4.5.6	X	-	3	X	-
Patch application at low temperature	3.5.4	4.5.7	X	-	3	X	-

1/ Use the same maintenance kits for these tests.

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4.5 Tests.

4.5.1 Removal of backing from patch. The backing shall be removed from the patch. It shall be noted whether the backing can be readily removed.

4.5.2 Adhesive.

4.5.2.1 Weight loss. Five sealed tubes of adhesive each shall be weighed to the nearest one tenth of a milligram. The specimens shall be allowed to stand open to the air at $75^{\circ} + 5^{\circ}\text{F}$ for seven days. At the expiration of this period, each specimen shall be reweighed and the weight loss determined.

4.5.2.2 Workability at low temperature. When performing the test specified in 4.5.7, it shall be noted whether the adhesive can be spread without undue difficulty.

4.5.3 Abrasive strip.

4.5.3.1 Abrasiveness. When the adherend test sheet is abraded as specified in 4.5.4.3, the abraded area shall be visually examined.

4.5.3.2 Resistance to water. An abrasive strip from one of the kits used in 4.5.1 and 4.5.2.1 shall be immersed in water at $75^{\circ} + 5^{\circ}\text{F}$ for 10 minutes. Upon removal from the water, the strip shall be blotted lightly and then visually examined for loosening or loss of abrasive particles.

4.5.3.3 Workability at low temperature. When performing the test specified in 4.5.7, any decrease in the flexibility or abrasiveness of the strip shall be noted.

4.5.4 Resistance to creep.

4.5.4.1 Test materials.

(a) Adherend test sheet. The sheet shall be a rubber compound conforming to the requirements for type, class and grade RN520 of MIL-STD-417 and MIL-R-3065. It shall be $0.075 + 0.010$ inch thick and shall have other dimensions as shown on Drawing 5-7-87.

(b) Cellulose tape, 0.003 inch thick, commercial grade, pressure sensitive.

(c) Abrasive strip (kit component).

(d) Adhesive (kit component).

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4.5.4.2 Apparatus.

- (a) Horizontal support.
- (b) Five sets of a weight and a holder, each set weighing 3 ounces.
- (c) Five sets of a weight and a holder, each set weighing 5 ounces.
- (d) Oven, circulating air type.

4.5.4.3 Preparation of test specimens. Test specimens shall be prepared as indicated on Drawing 5-7-87 and as further specified herein. The area of the adherend test sheet to which the adhesive will be applied, shall first be abraded using the abrasive strip from one kit only. The abraded area shall extend at least 1/4 inch beyond the area to be covered with adhesive. Pressure sensitive cellulose tape shall be applied as indicated on Drawing 5-7-87 to provide a 1/2 inch wide band for application of adhesive and to provide a guide for film thickness of the adhesive. Kit adhesive shall be applied to the area of the sheet between the tapes, to obtain a uniform thickness of adhesive equal to the thickness of the tape. The adhesive shall immediately be spread with the assistance of a straight edge (doctor blade) drawn across the guiding tapes. A central strip 1/2 inch wide, shall be cut from each of the five kit patches. The backing of each rubber patch strip shall be removed just prior to application. Without touching the freshly exposed surface, the patch strip shall be applied to the adhesive film in the position shown on Drawing 5-7-87 and pressed into place for intimate contact. The first patch strip shall be applied three minutes after spreading the adhesive. Each of the four remaining strips shall subsequently be applied at half-minute intervals.

4.5.4.4 Test procedure.

4.5.4.4.1 One hour after bonding. After one hour conditioning at 50 percent relative humidity (± 4 percent) and at a temperature of $75^\circ \pm 5^\circ\text{F}$, test specimens shall be suspended at this temperature and humidity as shown on Drawing 5-7-87 using any suitable horizontal support for securing the long end of each test specimen and any suitable method of affixing 3 ounces of weight (including the weight holder) to the free end of each patch strip. The specimens shall be so arranged as to hang vertically and freely without twist. Each weight shall be allowed to hang thus for 24 hours after which, without removing the weights, the distance of separation of the patch strip shall be measured. The measurement shall be made from the cellulose tape edge to the point of separation. The five measurements shall be averaged.

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4.5.4.4.2 One day after bonding. Five specimens shall be tested as described in 4.5.4.4.1 except that tests shall be commenced after the bond has cured (at $75^{\circ} \pm 5^{\circ}\text{F}$) for 24 hours and 5 ounces of weight (including the weight and holder) shall be affixed to the free end of each patch strip.

4.5.4.4.3 After heat aging of kits. Five specimens shall be tested as described in 4.5.4.4.1, except that the specimens shall be prepared from kits which have been maintained at $158^{\circ} \pm 2^{\circ}\text{F}$ for 7 days in a circulating air oven and then conditioned at $75^{\circ} \pm 5^{\circ}\text{F}$ for 4 hours.

4.5.5 Flexibility at low temperature.

4.5.5.1 Bonded patch. A patch shall be applied to the adherend test sheet, according to kit instructions, at $75^{\circ} \pm 5^{\circ}\text{F}$. The bonded patch shall be allowed to cure at $75^{\circ} \pm 5^{\circ}\text{F}$ for 72 hours, then exposed to a temperature of minus $65^{\circ} \pm 5^{\circ}\text{F}$, for 4 hours. While at this temperature, the bonded portion shall be bent, patch outward, over a 1/2 inch diameter mandrel. The patch shall be examined for cracking and lifting.

4.5.5.2 Unbonded patch. The flexibility of the unbonded patch shall be determined by ASTM Method D 1053, except that the test specimens shall be cut from finished patches and the thickness requirement shall not apply. The heat transfer medium shall be methyl alcohol and the test shall be run over the full temperature range.

4.5.6 Accelerated aging of patched area. An adherend test sheet shall be wrapped snugly around a 1 inch diameter mandrel and the free ends clamped together. Three patches shall be applied to the test sheet in a line along the mandrel according to kit instructions. The applied patches shall be allowed to stand in open air at $75^{\circ} \pm 5^{\circ}\text{F}$ for two days, placed in a circulating air oven at $158^{\circ} \pm 5^{\circ}\text{F}$, for seven days and then removed from the oven. Each patch and its adjacent area on the test sheet shall be examined for checking and cracking of the surfaces and for lifting of the patch at the edge.

4.5.7 Patch application at low temperature. An adherend test sheet shall be snugly wrapped around a 1 inch diameter mandrel and the free ends clamped together. The assembly and 3 maintenance kits shall be conditioned for 4 hours at minus $20^{\circ} \pm 3^{\circ}\text{F}$. Without being removed from this temperature, the 3 patches shall be applied to the test sheet in a line along the mandrel according to kit instructions, except that the adhesive shall be allowed to dry 3 minutes before applying the first patch, 6 minutes for the second patch and 10 minutes for the third patch. This assembly shall be further conditioned for 30 minutes. Without being removed from this temperature, the patches shall be examined for lifting of the edges.

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5. PREPARATION FOR DELIVERY

5.1 Packaging. Packaging shall be level A or C as specified (see 6.2).

- * 5.1.1 Level A. Four hundred maintenance kits, assembled as specified in 3.4, shall be packaged on edge 80 in length, 5 in width and 1 in depth within a folding paperboard box conforming to variety 1, style III, type G, class I of PPP-B-566 or setup paperboard box conforming to type I, variety 1, class A, style 4 of PPP-B-676. Each box shall be provided with thumb notches. Inside dimensions of each paperboard box shall be approximately 20 inches in length, 10-5/8 inches in width and 2-1/8 inches in depth. Box closure shall be secured with 2-inch minimum width gummed paper tape conforming to type III, grade A of PPP-T-45.

5.1.2 Level C. Maintenance kits shall be packaged to afford adequate protection against damage during shipment from the supply source to the first receiving activity. The supplier may use his standard practice when it meets this requirement.

5.2 Packing. Packing shall be level A, B or C as specified (see 6.2).

- * 5.2.1 Level A. Four thousand maintenance kits, packaged as specified in 5.1, shall be packed in a fiberboard shipping container conforming to style RSC, V2s of PPP-B-636. Level A packages shall be packed flat, two in length, one in width and five in depth within a shipping container. Inside dimensions of each shipping container shall approximate 21-3/4 inches in length, 20-1/2 inches in width and 11 inches in depth. Approximate dimensions are furnished as a guide only. Each shipping container shall be closed in accordance with method III, waterproofed in accordance with method V, and reinforced as specified in the appendix of PPP-B-636.
- * 5.2.2 Level B. Four thousand maintenance kits, packaged as specified in 5.1, shall be packed in a fiberboard shipping container conforming to style RSC, type CF, (variety SW) or SF, class domestic, grade 275 of PPP-B-636. Level A packages shall be packed flat, two in length, one in width and five in depth within a shipping container. Inside dimensions of each shipping container shall approximate 21-3/4 inches in length, 20-1/2 inches in width and 11 inches in depth. Approximate dimensions are furnished as a guide only. Each shipping container shall be closed in accordance with method II as specified in the appendix of the container specification.
- * 5.2.2.1 When specified (see 6.2), the fiberboard shipping container shall be V3c, V3s, or V4s, fabricated in accordance with PPP-B-636 and closed in accordance with method III as specified in the appendix of the container specification.

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5.2.3 Level C. Maintenance kits, packaged as specified in 5.1, shall be packed in a manner to insure carrier acceptance and safe delivery to destination at the lowest transportation rate for such supplies. Containers shall be in accordance with Uniform Freight Classification or National Motor Freight Classification, as applicable.

- * 5.3 Marking. In addition to any special marking required by the contract or order, intermediate packages and shipping containers shall be marked in accordance with MIL-STD-129 and the following type I shelf life item marking shall be included:

DATE MANUFACTURED (Month and year)

SHELF LIFE EXPIRATION DATE (Same month - 2 years later)

6. NOTES

6.1 Intended use. The maintenance kit is for the emergency repair of punctures or small tears in pneumatic mattresses and in the upper portion of the black cold weather and white dry-cold rubber combat boots. It is designed for minimum size, to be carried anywhere on the person, and will provide one patch per kit. Patching may be done at temperatures as low as minus 20 degrees Fahrenheit to effect a permanent repair.

- * 6.2 Ordering data. Purchasers should exercise any desired options offered herein. Procurement documents should specify the following:

- (a) Title, number and date of this specification.
- (b) Whether first article sample is required (see 3.1).
- (c) Selection of applicable levels of packaging and packing (see 5.1 and 5.2).
- (d) When weather-resistant grade fiberboard shipping containers are required for level B packing (see 5.2.2.1).

6.3 Abrasives. The following abrasives have been found to conform to the requirements specified in 3.3.3.

6.3.1 Gritcloth C120, Bay State Abrasives Products Co., Westboro, MA.

6.3.2 Fabricut 120, Minnesota Mining and Manufacturing Co., St. Paul, MN.

6.4 First article. When a first article is required, it shall be inspected and approved under the appropriate provisions of ASPR 7-104.55. The first

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article should be a preproduction sample. The first article should consist of thirty completed kits. The contracting officer should include specific instructions in all procurement instruments, regarding arrangements for inspection and approval of the first article.

6.5 Marginal notations. The outside margins of this specification are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletions) from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in those notations. Bidders and suppliers are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Custodians:

Army - GL
Navy - SA

Preparing activity:

Army - GL

Project No. 8465-0707

Review activity:

Navy - MC

User activity:

Navy - CG

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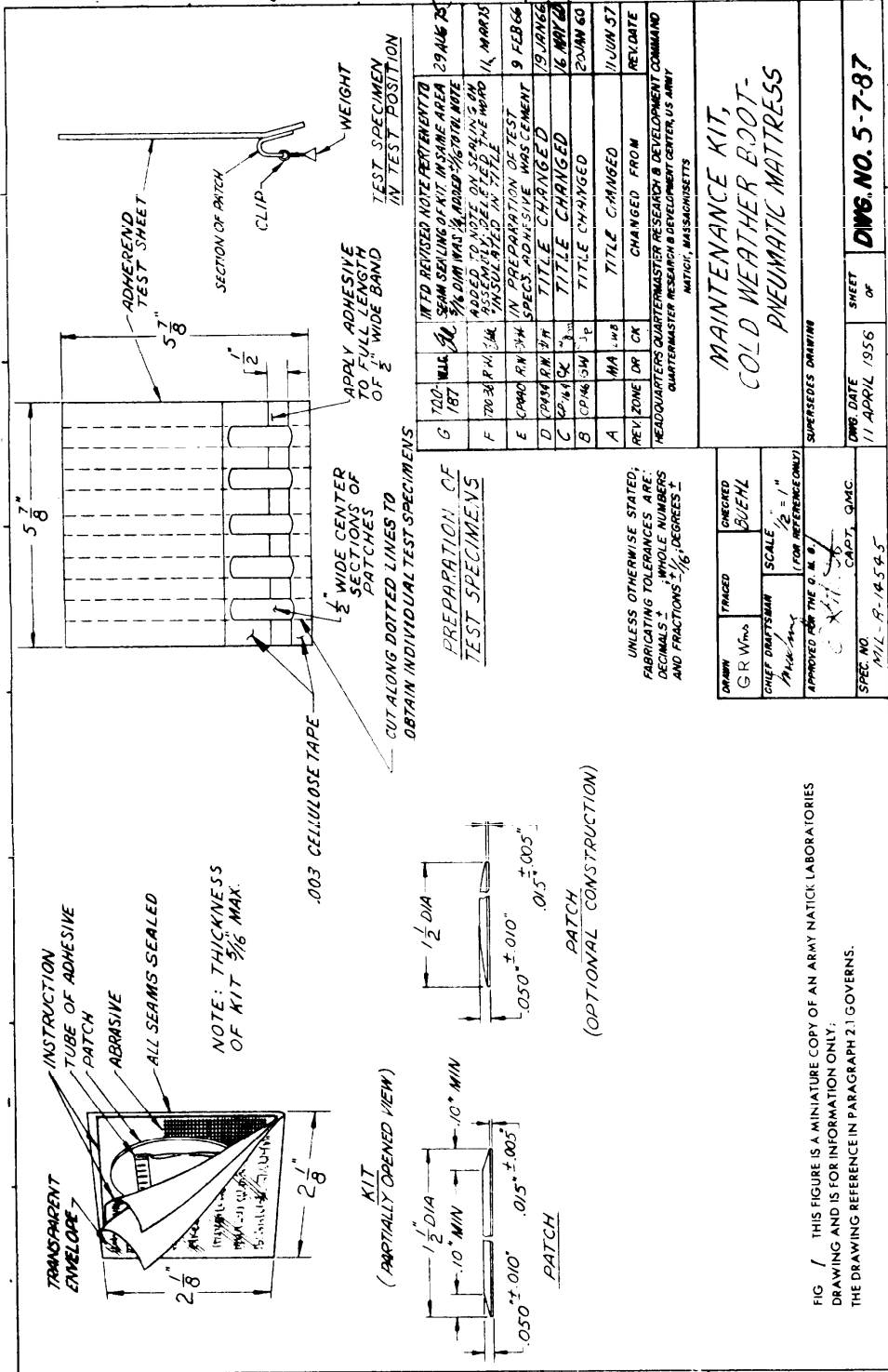


FIG 1 THIS FIGURE IS A MINIATURE COPY OF AN ARMY NATICK LABORATORIES DRAWING AND IS FOR INFORMATION ONLY. THE DRAWING REFERENCE IN PARAGRAPH 2.1 GOVERNS.

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DOCUMENT IDENTIFIER AND TITLE MIL-M-14545D - MAINTENANCE KIT, COLD WEATHER BOOT-PNEUMATIC MATTRESS		
NAME OF ORGANIZATION AND ADDRESS	CONTRACT NUMBER	
	MATERIAL PROCURED UNDER A <input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT	
<p>1. HAS ANY PART OF THE DOCUMENT CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE? A. GIVE PARAGRAPH NUMBER AND WORDING.</p> <p>B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES</p>		
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4. REMARKS		
SUBMITTED BY (Printed or typed name and address - Optional)		TELEPHONE NO.
		DATE

DD FORM 1426
1 JAN 72

REPLACES EDITION OF 1 JAN 66 WHICH MAY BE USED

FOLD

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