

SPECIAL PACKAGING INSTRUCTION

Form Approved
OMB No. 0704-0188

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The public reporting burden for this collection of information is estimated to average 30 days per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. **PLEASE DO NOT RETURN YOUR FORM TO THIS ADDRESS**

1. PART OR DRAWING NO. (CAGE) NOMENCLATURE E9AR101-006 (02978) CYLINDER HEAD,DIESE		2. CODE IDENT 19207		3. SPI NO. AK14224184	
4. NATIONAL STOCK NUMBER 2815-01-422-4184		5. DATE OF DRAWING 12-20-2000		6. REVISION B	
7. QUP 1 EA	8. ICQ NONE	9. UNIT PACK WT. (LB) 93.5		10. UNIT PACK CU (CU FT) 4.251	11. UNIT PACK SIZE (INCHES) 25.1 X 24.8 X 11.8
12. MILITARY PRESERVATION (METHOD) MIL-STD-2073-1C, METHOD 42		18. STEPS	19. REQ'D	20. DESCRIPTION SEE NOTES	
13. CLEANING MIL-STD-2073-1C, CODE 1 AND NOTE C					
14. DRYING MIL-STD-2073-1C					
15. PACKING					
a. LEVEL A MIL-STD-2073-1C AND NOTES B AND P					
b. LEVEL B MIL-STD-2073-1C AND NOTES B AND P					
16. MARKING MIL-STD-129					

17. NOTES / DRAWING

- A. REFER TO THE BILL OF MATERIALS FOR ALL REFERENCED ITEM NUMBERS AND CIRCLED NUMBERS ON THE ACCOMPANYING PAGES.
- B. NOTES E THROUGH J DESCRIBE THE PREFERRED AND TESTED UNIT PACKAGING FOR THIS ITEM. THE PACKAGING DESCRIBED IN NOTES K THROUGH O IS AN ALTERNATE METHOD. NOTES C AND D APPLY TO BOTH METHODS. WHEN THE ALTERNATE METHOD IS USED, LEVEL A AND B PACKING SHALL BE ACCOMPLISHED USING A CLEATED PLYWOOD BOX, OVERSEAS TYPE, CONFORMING TO PPP-B-601 OR NAILED WOOD BOX CONFORMING TO CLASS 2 OF PPP-B-621. SKIDS ARE REQUIRED.
- C. MINERAL SPIRIT SOLVENT CLEANING, ITEM 1, FOLLOWED BY FINGERPRINT REMOVER, ITEM 2, IN ACCORDANCE WITH MIL-STD-2073-1C.
- D. APPLY PRESERVATIVE (MIL-L-21260, GRADE 10), ITEM 3, TO UNPAINTED, UNPLATED, FERROUS SURFACES.
- E. CENTER WRAP, ITEM 4, OVER BASE, ITEM 5, THEN INSERT PART INTO BASE WITH WRAP. PLACE PART WITH THE BASE ASSEMBLY ON ITS SIDE FOR EASE OF LOCATING MOUNTING HOLES. SECURE PART TO BASE USING HARDWARE AS ILLUSTRATED ON PAGE 4.
- F. WITH THE CYLINDER HEAD MOUNTED TO THE BASE ASSEMBLY, ITEM 5, FINISH WRAPPING THE PART, AND SECURE APPROPRIATELY WITH TAPE.
- G. PLACE THE LARGER SLEEVE, ITEM 6B, INTO THE CONTAINER, ITEM 8.
- H. POSITION CONTAINER ON ITS SIDE AND SLIDE THE PREPARED ITEM FROM NOTE E INTO THE CONTAINER.
- I. INSERT THE SMALLER SLEEVE, ITEM 6, INTO THE CONTAINER, ITEM 8, AND CLOSE IN ACCORDANCE WITH ASTM-D1074 METHOD 2B3 OR 2B4.

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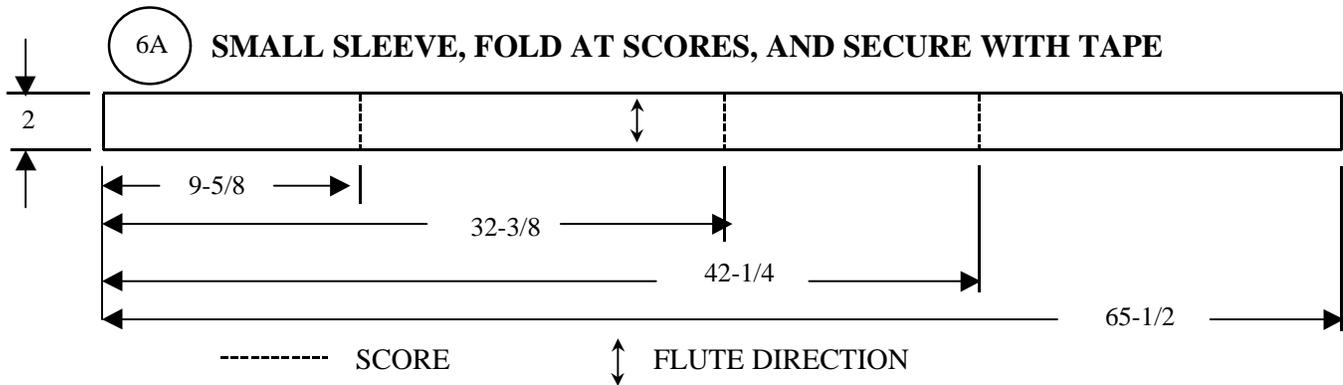
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- J. PLACE CONTAINER INTO BAG, ITEM 7, AND HEAT SEAL. PLACE BAGGED ITEM INTO CONTAINER, ITEM 9. CLOSE CONTAINER IN ACCORDANCE WITH ASTM-D1974, METHOD 2B6.
- K. FOR THE ALTERNATE UNIT PACK PLACE CONTAINER, ITEM 14, INTO BAG, ITEM 15. PLACE BAGGED CONTAINER INTO CONTAINER, ITEM 18.
- L. PLACE PAD, ITEM 16A, INTO BOTTOM OF CONTAINER, ITEM 14. PLACE ONE SHEET OF GREASEPROOF PAPER, ITEM 17, ONTO PAD IN BOTTOM OF CONTAINER.
- M. PLACE PREPARED CYLINDER HEAD, BARREL END DOWN, INTO CONTAINER, FITTING IT SECURELY INTO PAD, ITEM 16A.
- N. PLACE ONE PIECE OF GREASEPROOF PAPER, ITEM 16, OVER THE TOP OF THE CYLINDER HEAD. PLACE PAD, ITEM 16B, ON TOP OF CYLINDER HEAD AND PRESS FIRMLY INTO PLACE. CLOSE CONTAINER, ITEM 14, IN ACCORDANCE WITH ASTM-D1974 METHOD 2B6.
- O. CLOSE BAG BY HEAT SEALING. CLOSE CONTAINER, ITEM 18, IN ACCORDANCE WITH ASTM-D1974, METHOD 2B3 2B4.
- P. LEVEL A: PACKING SHALL BE ACCOMPLISHED USING A CLEATED PLYWOOD BOX, OVERSEAS TYPE, CONFORMING TO PPP-B-601 OR NAILED WOOD BOX CONFORMING TO CLASS 2 OF PPP-B-621.
LEVEL B: EXCEPT FOR THE ALTERNATE UNIT PACK, THE UNIT CONTAINER IS AN ACCEPTABLE LEVEL B SHIPPING CONTAINER WHEN REINFORCED IN ACCORDANCE WITH ASTM-D1974, METHOD 2C OR 2D. SEE NOTE B FOR PACKING OF THE ALTERNATE UNIT PACK. FOR BOTH LEVEL A AND LEVEL B, WHEN THE TOTAL QUANTITY TO BE SHIPPED TO THE SAME DESTINATION EXCEEDS 125 POUNDS, EXTERIOR PACKS WITHOUT SKIDS SHALL BE PALLETIZED. MIL-HDBK-774 MAY BE USED FOR GUIDANCE.



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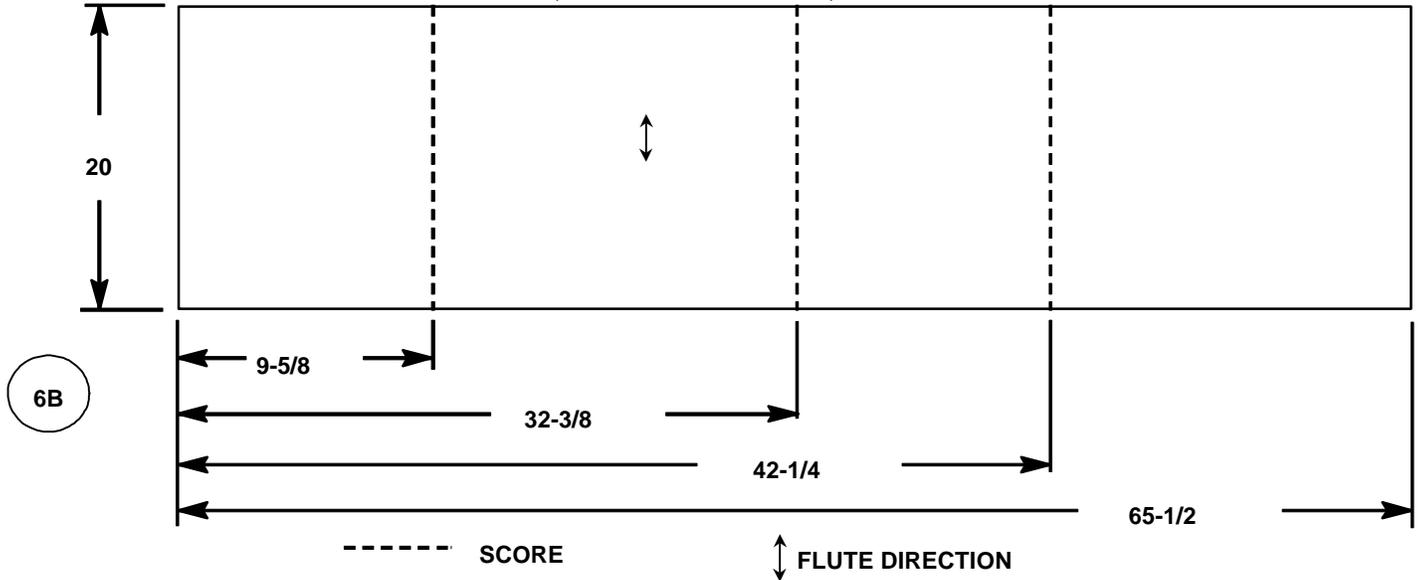
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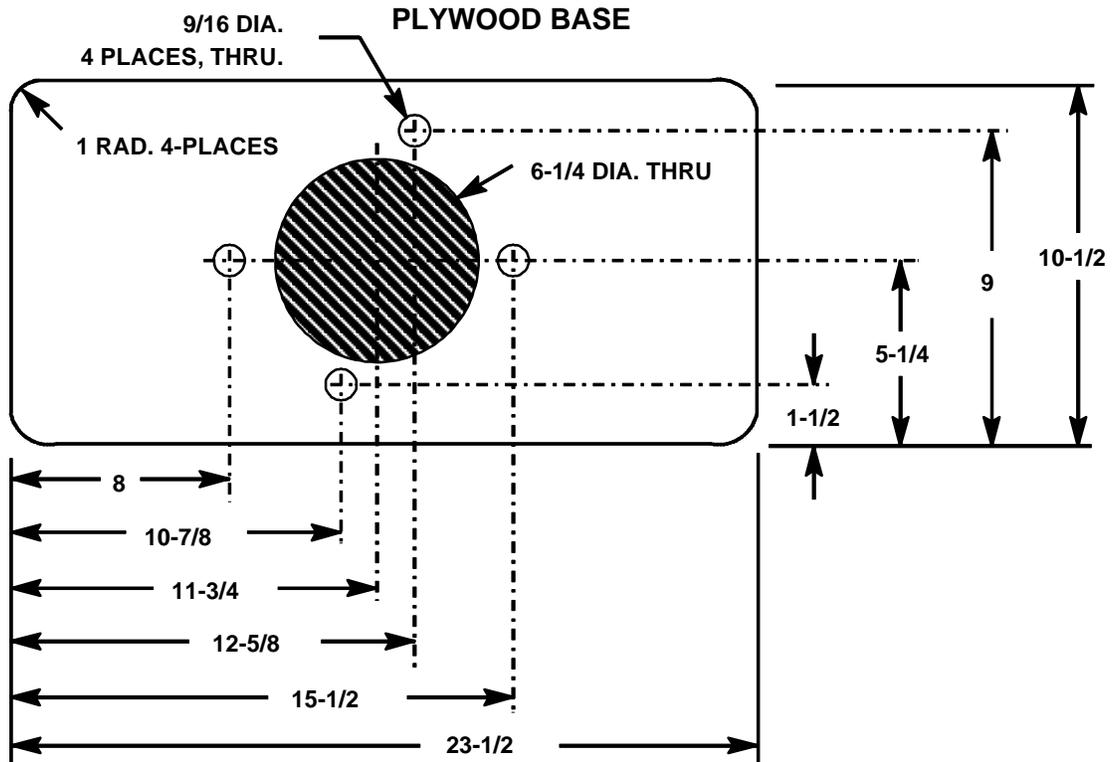
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LARGE SLEEVE, FOLD AT SCORES, AND SECURE WITH TAPE



5



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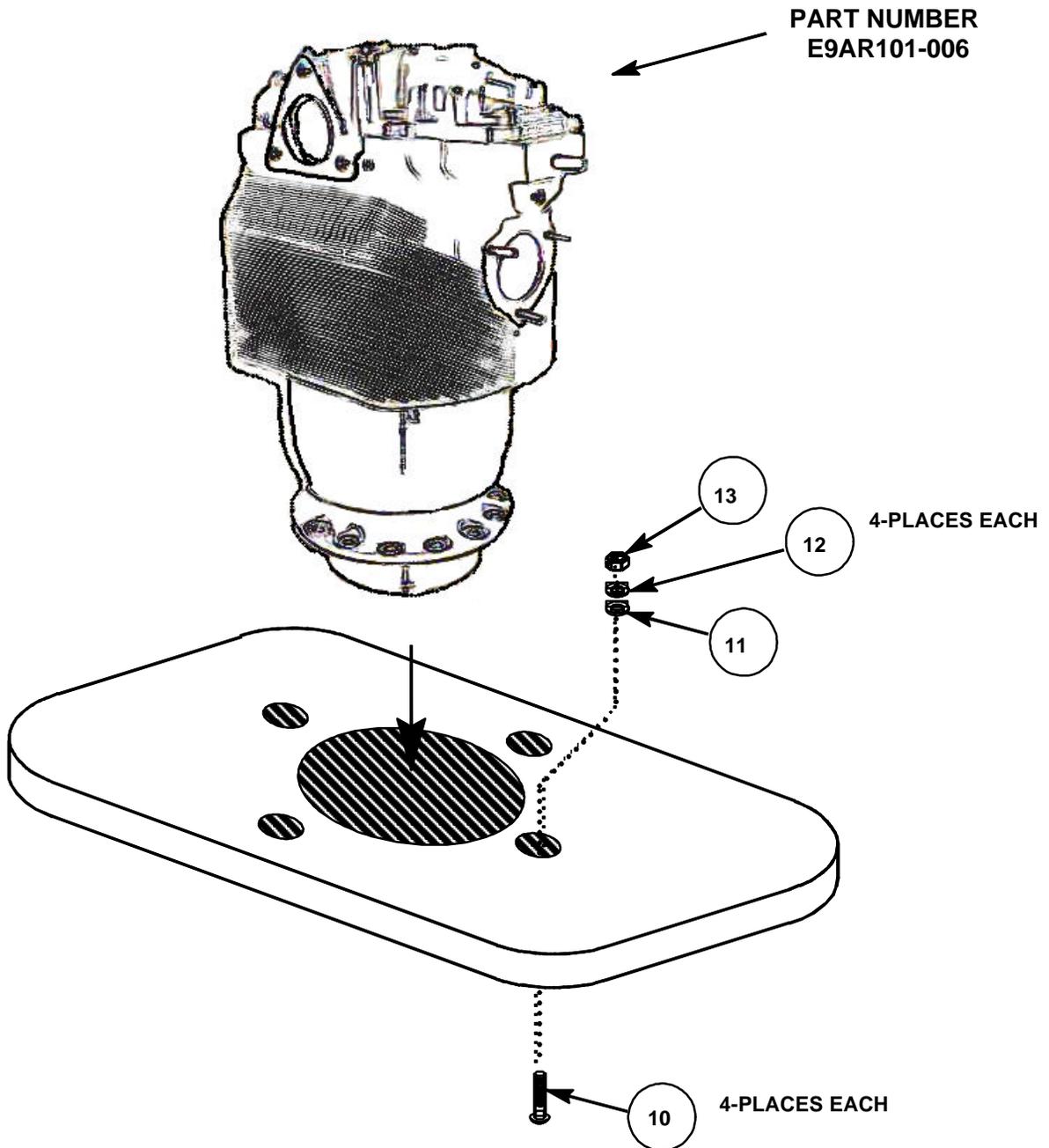
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PREFERRED UNIT PACK



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PREFERRED UNIT PACK BILL OF MATERIALS

ITEM NUMBER	DESCRIPTION	SIZE	SPECIFICATION DATA	QTY.
1	SOLVENT, CLEANER		AA-2904.	A/R
2	FINGER PRINT REMOVER		MIL-C-15074.	A/R
3	PRESERVATIVE		MIL-B-21260, GRADE 10.	A/R
4	WRAP	60 X 24	MIL-B-121, TYPE I, GRADE A, CLASS 2.	1
5	PLYWOOD BASE	23-1/2 X 10-1/2 X 1 SEE PAGE 3	A-A-55057, TYPE A.	1
6	SLEEVE		ASTM-D4727, TYPE CF, CLASS D, VARIETY DW.	
6A		SEE PAGE 2		1
6B		SEE PAGE 3		1
7	BAG	38 X 39	MIL-B-117, TYPE I, CLASS E, STYLE 1.	1
8	CONTAINER	23-1/2 X 10-1/2 X 23	ASTM-D5118, TYPE CF, STYLE RSC, VARIETY DW, CLASS D, GRADE 600.	1
9	CONTAINER	24-1/2 X 11-1/2 X 24- 5/8	ASTM-D5118, TYPE CF, STYLE RSC, VARIETY SW, CLASS WR, GRADE V3c.	1
10	CARRIAGE BOLT	1/2 X 2	SEE NOTE 1.	4
11	FLAT WASHER	1/2	SEE NOTE 1.	4
12	LOCK WASHER	1/2	SEE NOTE 1.	4
13	NUT	1/2	SEE NOTE 1.	4

NOTE 1: COMMERCIAL QUALITY STEEL IS ACCEPTABLE WITH ZINC PLATING OR PRESERVATIVE COATING CONFORMING TO MIL-C-16173, GRADE 4.

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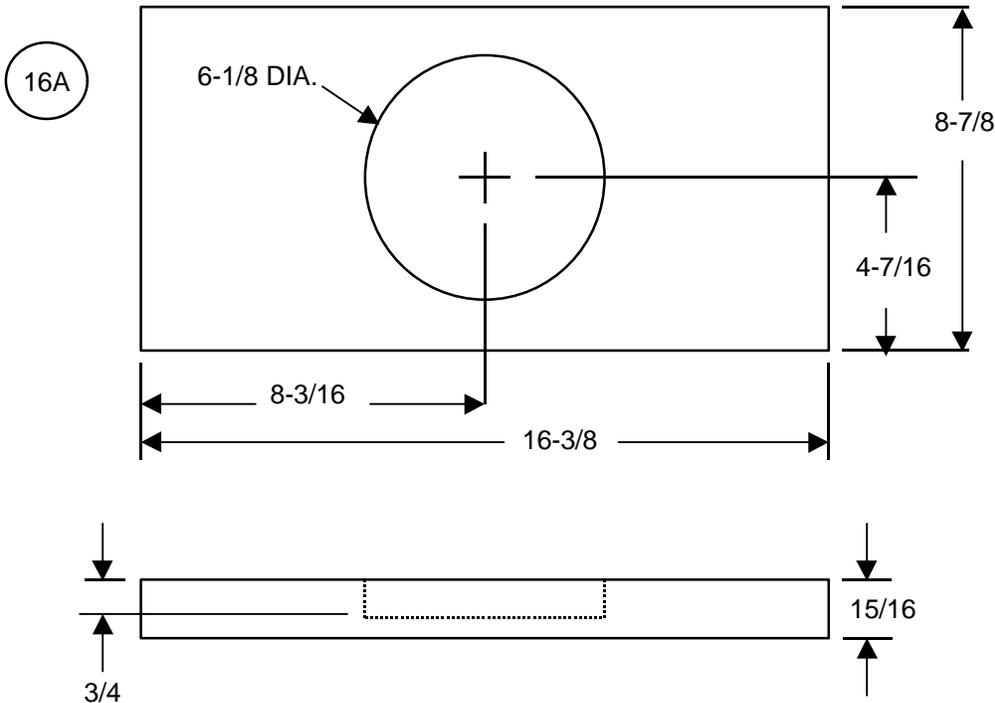
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PAD



NOTE: CONSTRUCT PAD TO SPECIFIED DIMENSIONS USING ANY SUITABLE METHOD.

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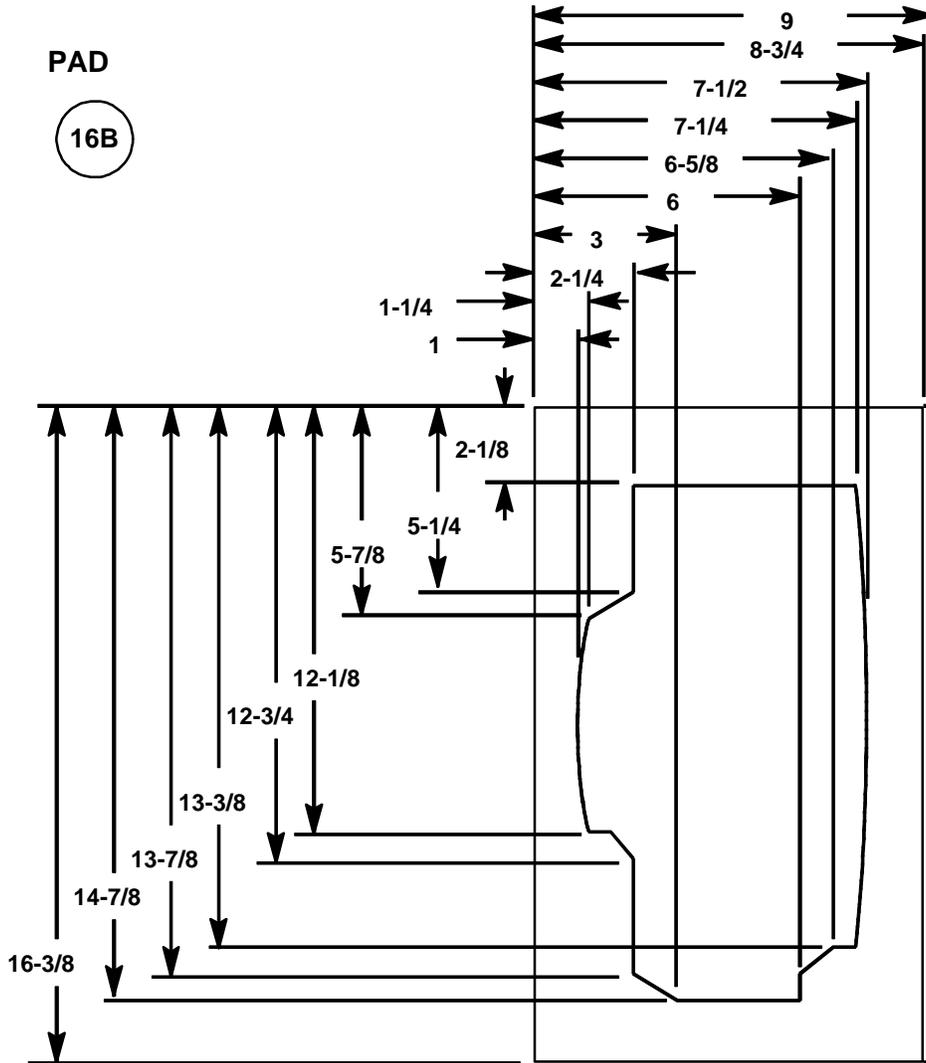
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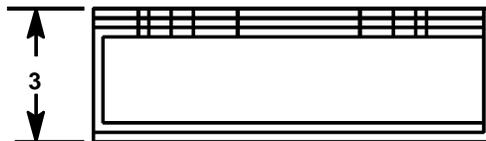
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PAD

16B



PAD 16B ASSEMBLED



NOTE: CONSTRUCT PAD TO SPECIFIED DIMENSIONS USING ANY SUITABLE METHOD. TOP PORTION OF PAD, WITH DIECUT, MUST HAVE THREE LAYERS OF DOUBLE WALL CORRUGATED FIBERBOARD. BOTTOM PORTION MUST HAVE TWO LAYERS.

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ALTERNATE UNIT PACK BILL OF MATERIALS

ITEM NUMBER	DESCRIPTION	SIZE	SPECIFICATION DATA	QTY.
1	SOLVENT, CLEANER		AA-2904.	A/R
2	FINGERPRINT REMOVER		MIL-C-15074.	A/R
3	PRESERVATIVE		MIL-L-21260, GRADE 10.	A/R
14	CONTAINER	16-3/4 X 9-1/8 X 21-3/8	ASTM-D5118, TYPE CF, STYLE RSC, VARIETY DW, CLASS D, GRADE 350.	1
15	BAG	27 X 35	MIL-B-117, TYPE I, CLASS E, STYLE 1.	1
16	PAD		ASTM -4727, TYPE CF, CLASS D, VARIETY DW, GRADE 350.	
16A		SEE PAGE 6		1
16B		SEE PAGE 7		1
17	GREASEPROOF PAPER	18 X 15	MIL-B-121, TYPE I, GRADE C, CLASS 1.	2
18	CONTAINER	17-3/8 X 9-5/8 X 22-1/4	ASTM-D5118, TYPE CF, STYLE RSC, VARIETY DW, CLASS WR, GRADE V15c.	1