

[METRIC]
A-A-52518/1
September 7, 1995
SUPERSEDING
MS51312
16 July 1959

COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

PATCH PNEUMATIC TIRE
REPAIR: UNCURED (METRIC)

The General Services Administration has authorized the use of this Commercial Item Description Specification Sheet (CIDSS), for all federal agencies.

The complete requirements for procuring uncured patches described herein shall consist of this document and the issue in effect of commercial item description A-A-52518.

1. SALIENT CHARACTERISTICS.

1.1 Materials. The patches described by this CIDSS shall conform to the applicable physical properties of A-A-52518.

1.2 Patch construction and identification. Patch construction and identification shall be as specified in table I.

Beneficial comments, recommendations, additions, deletions clarifications, etc. and any other data which may improve this document should be sent by letter to: U.S. Army Tank-automotive and Armaments Command, ATTN: AMSTA-TR-E, Warren, MI 48397-5000.

FSC 2640

DISTRIBUTION STATEMENT A. Approved for public release: distribution is unlimited.

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2. Part or identification number (PIN). The PINs to be used for materials acquired to this CID are created as follows:

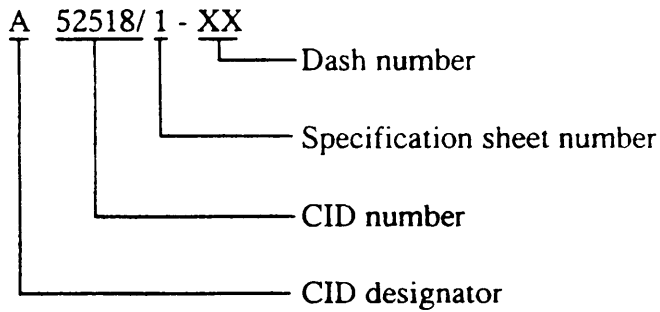


TABLE I. Patch construction and identification.

CID PIN	Former MS Part Number	Former FIIN	Marking Code <u>1/</u>	Ply Numbers	Dimension (mm)	Overall Patch Dimension (mm) <u>2/</u>
A52518/1-1	MS51312-1	684-5135	2 - 0 - A	1 & 2	19 x 64	76
A52518/1-2	MS51312-2	684-5136	2 - 13 - 4/6	1 & 2	64 x 127	152
A52518/1-3	MS51312-3	684-5137	2 - 25 - 4/6	1 & 2	76 x 178	203
A52518/1-4	MS51312-4	684-5138	2 - 51 - 4	1 & 2	102 x 203	229
A52518/1-5	MS51312-5	684-5139	4 - 76 - 4/6	1 & 2	127 x 178	254
A52518/1-6	MS51312-6	684-5140	4 - 102 - 4/6	3 & 4	152 x 229	279
				1 & 2	152 x 203	
A52518/1-7	MS51312-7	684-5141	4 - 51 - 8/10	3 & 4	178 x 254	279
				1 & 2	102 x 203	
A52518/1-8	MS51312-8	684-5142	6 - 102 - 8/12	3 & 4	127 x 254	381
				1 & 2	152 x 254	
				5 & 6	203 x 356	
A52518/1-9	MS51312-9	684-5143	8 - 102 - 12/16	1 & 2	152 x 254	432
				3 & 4	178 x 305	
				5 & 6	203 x 356	
A52518/1-10	MS51312-10	684-5144	8 - 152 - 12/14	7 & 8	229 x 406	483
				1 & 2	203 x 305	
				3 & 4	229 x 356	
				5 & 6	254 x 406	
				7 & 8	279 x 457	

TABLE I. Patch construction and identification - Continued.

CID PIN	Former MS Part Number	Former FIIN	Marking Code <u>1</u> /	Ply Numbers	Dimension (mm)	Overall Patch Dimension (mm) <u>2</u> /
A52518/1-11	MS51312-11	684-5145	10 - 152 - 14/18	1 & 2	203 x 305	533
				3 & 4	229 x 356	
				5 & 6	254 x 406	
				7 & 8	279 x 457	
				9 & 10	330 x 508	
A52518/1-12	MS51312-12	684-5146	12 - 178 - 14/20	1 & 2	229 x 356	635
				3 & 4	254 x 406	
				5 & 6	279 x 457	
				7 & 8	305 x 508	
				9 & 10	330 x 559	
A52518/1-13	MS51312-13	684-5147	14 - 178 - 18/24	11 & 12	381 x 610	610
				1 & 2	203 x 318	
				3 & 4	229 x 356	
				5 & 6	254 x 394	
				7 & 8	279 x 432	
A52518/1-14	MS51312-14	684-5148	14 - 229 - 20/24	9 & 10	330 x 470	648
				11 & 12	330 x 508	
				13 & 14	381 x 533	
				1 & 2	254 x 394	
				3 & 4	279 x 432	
A52518/1-15	MS51312-15	684-5149	16 - 178 - 18/28	5 & 6	305 x 470	610
				7 & 8	330 x 508	
				9 & 10	356 x 546	
				11 & 12	381 x 584	
				13 & 14	406 x 622	
				1 & 2	203 x 318	
				3 & 4	229 x 356	
				5 & 6	254 x 394	
				7 & 8	279 x 432	
				9 & 10	305 x 470	
				11 & 12	330 x 508	
				13 & 14	381 x 546	
				15 & 16	406 x 584	

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TABLE I. Patch construction and identification - Continued.

CID PIN	Former MS Part Number	Former FIIN	Marking Code <u>1/</u>	Ply Numbers	Dimension (mm)	Overall Patch Dimension (mm) <u>2/</u>
A52518/1-16	MS51312-16	684-5150	16 - 305 - 20/24	1 & 2	330 x 470	762
				3 & 4	356 x 508	
				5 & 6	381 x 527	
				7 & 8	406 x 584	
				9 & 10	432 x 622	
				11 & 12	457 x 660	
				13 & 14	483 x 699	
				15 & 16	508 x 737	

1/ The marking code denotes the number of plies in the patch, the maximum injury size in mm and the ply rating of the tire for which the patch is intended. Example: 6 - 102 - 8/12 indicates 6 plies to the patch, 102 mm maximum tire injury size and patch suitable for 8 and 12 ply tires. A "0" indicates nail hole injury size. "A" indicates use with all ply ratings, and "T" indicates tractor tires.

2/ Tolerances are ± 6 on sizes under 178; ± 13 on sizes 178 and over.

3. **Cross reference.** Pneumatic tire patches conforming to this CIDSS are interchangeable/ substitutable with patches conforming to MS51312.

MILITARY INTERESTS:

Custodians

Army - AT

Air Force - 99

Reviewing Activities:

Navy - MC

Air Force - 84

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

PREPARING ACTIVITY:

Army - AT

(Project 2640-0210)