[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 <u>Materials</u>. The patches described by this CIDSS shall conform to the applicable physical properties of A-A-52518.
- 1.2 <u>Patch construction and identification.</u> 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.

## A-52518/1

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

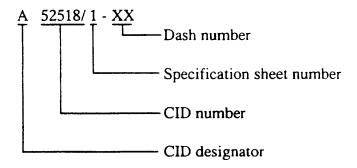


TABLE I. Patch construction and identification.

CID PIN	Former MS Part Number	Former FIIN	Marking Code $\frac{1}{2}$	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
				3 & 4	152 x 229	
A52518/1-6	MS51312-6	684-5140	4 - 102 - 4/6	1 & 2	152 x 203	279
				3 & 4	178 x 254	
A52518/1-7	MS51312-7	684-5141	4 - 51 - 8/10	1 & 2	102 x 203	279
				3 & 4	127 x 254	
A52518/1-8	MS51312-8	684-5142	6 - 102 - 8/12	1 & 2	152 x 254	381
				3 & 4	178 x 305	
				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	
				7 & 8	229 x 406	
A52518/1-10	MS51312-10	684-5144	8 - 152 - 12/14	1 & 2	203 x 305	483
				3 & 4	229 x 356	
				5 & 6	254 x 406	
				7 & 8	279 x 457	

TABLE I. Patch construction and identification - Continued.

A52518/1-11 MS51312-11 684-5145 10 - 152 - 14/18 1 & 2 203 x 305 3 & 4 229 x 356 5 & 6 254 x 406 7 & 8 279 x 457 9 & 10 330 x 508 635    A52518/1-12 MS51312-12 684-5146 12 - 178 - 14/20 1 & 2 229 x 356 635    A52518/1-13 MS51312-13 684-5147 14 - 178 - 18/24 1 & 2 203 x 318 610 330 x 559 11 & 12 381 x 610    A52518/1-14 MS51312-14 684-5148 14 - 229 - 20/24 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-15 MS51312-15 684-5149 16 - 178 - 18/28 1 & 2 203 x 318 610    A52518/1-	CID PIN	Former MS Part Number	Former FIIN	Marking Code	Ply Numbers	Dimension (mm)	Overall Patch Dimension (mm) 2/
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 8 305 x 508 9 & 10 330 x 508 13 & 4 254 x 406 5 & 6 279 x 457 7 8 8 305 x 508 9 & 10 330 x 559 11 & 12 381 x 610 18 & 12 203 x 318 610 18 & 13 & 4 229 x 356 6 254 x 394 7 & 8 279 x 432 9 & 10 330 x 470 11 & 12 230 x 508 13 & 14 381 x 533 13 & 14 381 x 584 11 & 12 3	A52518/1-11	MS51312-11	684-5145	10 - 152 - 14/18	1 & 2	203 x 305	533
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5 & 6 305 x 470 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	H32310/1-14	141551512-14	004-3140	14 - 229 - 20124	1	l '	040
7 & 8   330 x 508   9 & 10   356 x 546   11 & 12   381 x 584   13 & 14   406 x 622   14 & 203 x 318   610   3 & 4   229 x 356					i	ì	
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9 & 10   305 x 470					9 & 10	P.	
11 & 12   330 x 508					1	1	
13 & 14   381 x 546					1	i .	
15 & 16   406 x 584					15 & 16	406 x 584	

TABLE I. Patch construction and identification - Continued.

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

<sup>1/</sup> 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  $\pm$  6 on sizes under 178;  $\pm$  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: CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

Custodians

Army - AT PREPARING ACTIVITY:

Air Force - 99 Army - AT

Reviewing Activities: (Project 2640-0210)

Navy - MC

Air Force - 84