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|----------------------------------------------------------------------------------|---------------------------------------------------------|---------------------|
|  | <b>SURFACE<br/>VEHICLE<br/>RECOMMENDED<br/>PRACTICE</b> |                     |
|                                                                                  | <b>SAE</b>                                              | <b>J179 SEP2012</b> |
|                                                                                  | Issued<br>Revised                                       | 1970-06<br>2012-09  |
| Superseding J179 APR2011                                                         |                                                         |                     |
| Labeling - Disc Wheels and Demountable Rims - Trucks                             |                                                         |                     |

## RATIONALE

The document was updated to change the size of the markings in 4.2.1 to 3.0 mm to be compatible with the latest FMVSS 120 standard.

### 1. SCOPE

This SAE Recommended Practice establishes uniform minimum labeling for disc wheels and demountable rims used in truck, bus, and trailer applications.

### 2. REFERENCES

#### 2.1 Applicable Documents

The following publications form a part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue of SAE publications shall apply.

##### 2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), [www.sae.org](http://www.sae.org).

SAE J393 Nomenclature - Wheels, Hubs and Rims for Commercial Vehicles

SAE J2133 Disc Wheel Radial Runout Low Point Marking

##### 2.1.2 FMVSS Publication

Available from the Superintendent of Documents, U.S. Government Printing Office, Mail Stop: SSOP, Washington, DC 20402-9320.

FMVSS 120 Tire Selection and Rims for Motor Vehicles with a GVWR of more than 4,536 kilograms (10,000 pounds)

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[http://www.sae.org/technical/standards/J179\\_201209](http://www.sae.org/technical/standards/J179_201209)**

### 2.1.3 ISO Publication

Available from American National Standards Institute, 25 West 43rd Street, New York, NY 10036-8002, Tel: 212-642-4900, [www.ansi.org](http://www.ansi.org).

ISO 3911      Wheels/rims for pneumatic tyres - Vocabulary, designation, and marking

### 2.1.4 The Tire and Rim Association, Inc. Year Book Publication

Available from Tire and Rim Association, Inc., 175 Montrose West Avenue, Suite 150, Copley, OH 44321.

Truck/Bus Standard for Load and Inflation Identification for Rims and Wheels

## 3. DEFINITIONS

### 3.1 MANUFACTURER'S NAME

Manufacturer's identification (name, trademark, or symbol).

### 3.2 DATE STAMP

Date of manufacture - month, day, and year; or month and year in this order.

### 3.3 RIM SIZE DESIGNATION

Nominal rim diameter X nominal rim width.

### 3.4 RIM TYPE DESIGNATION

Industry or manufacturer's designation for a rim by style or code.

### 3.5 MULTIPIECE RIM

A rim consisting of more than one part. Usually two pieces (rim base and side ring), or three pieces (rim base, side ring, and lock ring).

### 3.6 RIM BASE

The major portion of a rim which remains after all removable components have been detached.

### 3.7 REMOVABLE RING

Ring which is removable from the rim base.

#### 4. MARKING

##### 4.1 Marking Specification

4.1.1 Disc wheels and demountable rims shall be marked with the following information:

- a. Rim size designation and, in the case of multi-piece rims, the rim type designation
- b. Wheel or rim manufacturer's name
- c. Date stamp
- d. Manufacturer's part number or code

4.1.2 Removable rings shall be marked with the following information:

- a. Identification of rim(s) to which part may be fitted (must include rim size(s) and type designation)
- b. Manufacturer's name

4.1.3 Additional markings may be required by government regulations.

##### 4.2 Marking Display

###### 4.2.1 Size

The marking shall be permanently impressed to a depth of at least 0.13 mm (0.005 in), or embossed to a height of at least 0.13 mm (0.005 in). The characters shall be legible and not less than 3.0 mm (0.12 in) high.

###### 4.2.2 Location

Wheels, demountable rims, and removable rings shall be marked on an area which is visible after a tire is mounted and inflated.

#### 4.3 Supplementary Information

In addition to the minimum markings according to 4.1, other markings may be used and/or may be required by government regulation; for example:

- a. Country of manufacture
- b. Load, tire construction, and inflation ratings for highway service—typical arrangements (per The Tire & Rim Association):
  1. MAX LOAD  
5430 lb  
MAX PSI  
85
  2. MAX LOAD                      MAX PSI  
lb                                      COLD  
6710                                  120
  3. MAX LOAD 6710 lb D 120 MAX PSI COLD
  4. MAX LOAD 5430 lb RADIAL 120 MAX PSI COLD
- c. "DOT"
- d. A designation which indicates the source of the rim's published nominal dimensions, as follows:
  - "T" indicates The Tire and Rim Association, Inc.
  - "E" indicates the European Tire and Rim Technical Organization
  - "J" indicates Japan Automobile Tire Manufacturers' Association, Inc.
  - "D" indicates Deutsche Industrie Norm.
  - "B" indicates British Standards Institute
  - "S" indicates Scandinavian Tire and Rim Organization
  - "A" indicates The Tyre and Rim Association of Australia
  - "N" indicates an independent source
- e. Date of manufacture on removable rings.