



A Product of the  
Cooperative Engineering Program

**SAE J179 JUL84**

**Labeling — Disc  
Wheel and  
Demountable Rims  
—Trucks**

**SAE Recommended Practice  
Completely Revised July 1984**

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## LABELING—DISC WHEEL AND DEMOUNTABLE RIMS—TRUCKS—SAE J179 JUL84

## SAE Recommended Practice

Report of the Wheel Committee, approved June 1970, completely revised by the Truck and Bus Chassis Committee, July 1984.

**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 FMVSS 120 tire selection and rims for motor vehicles other than passenger cars.

2.2 ISO 3911—Wheels/Rims—Nomenclature, designation, and marking.

2.3 Tire and Rim Association—Truck/Bus Standard for load and inflation identification for rims and wheels.

2.4 SAE J393—Nomenclature—Wheels, hubs, and rims for commercial vehicles.

### 3. Definitions

3.1 **Highway Speed**—A speed of over 20 mph on improved roads.

3.2 **Weather Side**—Area of a rim not covered by the tire.

3.3 **Manufacturer's Name**—Manufacturer's identification (name or symbol).

3.4 **Date Stamp**—Date of Manufacture—Month, day, year; or month, year.

3.5 **Rim Size Designation and Manufacturer's Rim Type**

3.5.1 **RIM DIAMETER**—Nominal rim diameter

3.5.2 **RIM WIDTH**—Nominal distance between rim flanges.

3.5.3 **MANUFACTURER'S RIM TYPE**—Industry or manufacturer's designation for a rim by style or code.

3.6 **Maximum Highway Load Rating**—Maximum load a disc wheel or demountable rim is rated to carry at highway speeds.

3.7 **Maximum Inflation Pressure**—The maximum cold inflation pressure to which a tire may be inflated when fitted on the rim or wheel.

**3.8 Removable Rings**—Rings which are removable from the rim base. Because of design, these rings may differ from manufacturer to manufacturer.

### 4. Marking

#### 4.1 Marking Specification

4.1.1 Disc wheel 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) Identification of wheel/rim manufacturer (name, symbol, trademark).

(c) Date of manufacture (month, day, year, or month, year).

(d) DOT

(e) The source of the rim's published nominal dimensions:

“T” for the Tire and Rim Association

“E” for the European Tire and Rim Organization

“J” for the Japanese Industrial Standard

“D” for the Deutsche Industrie Norm

“M” for the Society of Motor Manufacturers and Traders, Ltd.

“B” for the British Standards Institute

“S” for the Scandinavian Tire & Rim Organization

“N” for an independent source

4.1.2 Removable rings shall be marked with the following information:

(a) Identification of rim to which part may be fitted. (Must include rim size and type designation.)

(b) Identification of manufacturer (name, symbol, trademark).

#### 4.2 Marking Display

4.2.1 **Size**—The marking shall be permanently recessed to a depth

of a 0.13 mm, or embossed to a height of .13 mm, and be without sharp edges. The Roman letters and Arabic numerals shall be legible, and not less than 3.2 mm high.

4.2.2 **LOCATION**—Marking of wheels, demountable rims, and rings shall be visible when the tire is fitted and inflated. For disc wheels, the marking may appear on either the rim or disc. See Figs. 1 to 6 for examples of location.

4.3 **Supplementary Information**—In addition to the markings according to paragraph 4.1, other information may be marked.

4.3.1 Country of manufacture

4.3.2 Wheel/rim manufacturer's part number or code.

4.3.3 Load and inflation ratings for highway service. Typical groupings:

(1) MAX LOAD

5430 lb

MAX PSI

85

(2) MAX LOAD MAX PSI (D)

lb

COLD

6710 120

(3) MAX LOAD 5430 lb (D) 120 MAX PSI COLD

(4) MAX LOAD 5430 lb RADIAL 120 MAX PSI COLD

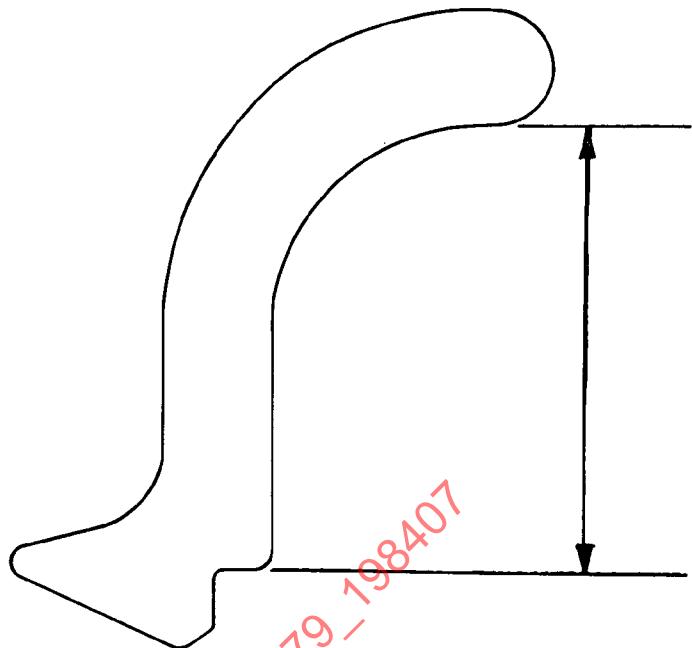
(5) (D) MAX

7000 lb 120 PSI COLD

(6) BIAS PLY MAX LOAD 6040 MAX PSI 100

RAD PLY MAX LOAD 6040 MAX PSI 105

NOTE: Arrows on figures show areas to be used for marking display.



## SIDE RINGS

FIG. 5—SIDE RINGS

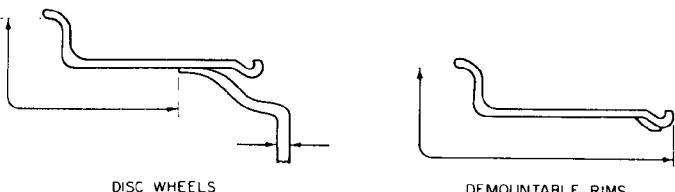


FIG. 1

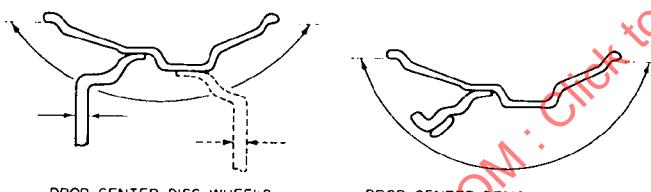


FIG. 2

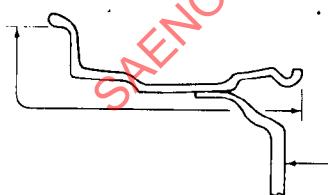


FIG. 3—SINGLE SEMI—DROP CENTER DISC WHEEL

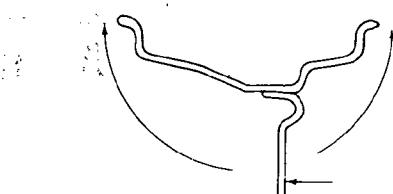
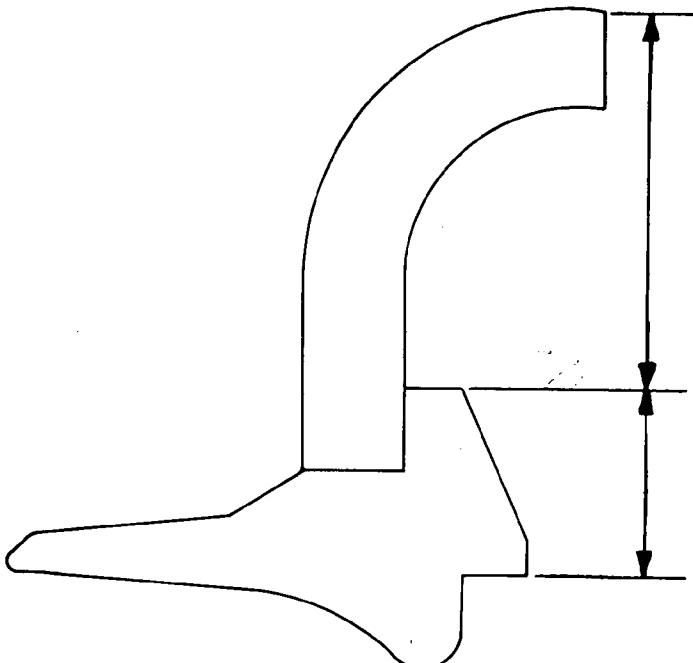


FIG. 4—SINGLE DROP CENTER WHEEL



## LOCK RING AND FLANGE

FIG. 6—LOCK RING AND FLANGE