



SURFACE VEHICLE RECOMMENDED PRACTICE

J1337™

FEB2019

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Superseding J1337 OCT2011

(R) Off-Road Rim Maintenance Procedures and Service Precautions
Diameter Code 20 and Larger

RATIONALE

Successful experience with this document has allowed it to become a Recommended Practice. Changes to improve safety include recognition of the use of quick change style rims, a new air pressure specification for when to disassemble underinflated tires, installing new valves during rim maintenance, and the use of a pressure regulator when inflating tires. Editorial changes have also been made.

1. SCOPE

This SAE Recommended Practice covers the important fundamental maintenance and service precautions for all off-road single-piece and multi-piece rims. Detailed information on specific procedures concerning mounting, demounting, maintenance, and service of a particular type, style, or design of off-road rim assembly can be obtained by consulting rim or tire manufacturers or distributors. These procedures and service precautions should be considered in preparation of the machine service manual, the operator's manual, and workplace procedures.

2. REFERENCES

2.1 Related Publications

The following publications are provided for information purposes only and are not a required part of this SAE Recommended Practice.

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 +1 724-776-4970 (outside USA), www.sae.org.

SAE J751 Off-Road Tire and Rim Classification - Construction Machines

SAE J1315 Off-Road Tire and Rim Selection and Application

SAE J1440 Off-Road Tire and Rim Classification - Forestry Machines

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Documents
Document Sharing Hub

2.1.2 U.S. Tire Manufacturers Association (USTMA) Publications

Available from the U.S. Tire Manufacturers Association (USTMA), 1400 K Street, NW, Suite 900, Washington, DC 20005, Tel: 202-682-4800, <https://www.ustires.org>.

OHM-882 Care and Service of Off-the-Highway Tires,
[https://members.ustires.org/sites/default/files/Care%20and%20Service%20of%20Off-the Highway%20Tires.pdf](https://members.ustires.org/sites/default/files/Care%20and%20Service%20of%20Off-the%20Highway%20Tires.pdf)

2.1.3 Mine Safety and Health Administration (MSHA) Publications

Available from MSHA, 201 12th Street South, Suite 401 Arlington, VA 22202-5450, Tel: 202-693-9400, www.msha.gov.

MSHA IG 60 Tire and Rim Safety Awareness Program, Instruction Guide Series

MSHA Job Task Analysis Spider Mobile Tire Boom Truck - Tire Changer

Job Task Analysis Example - Tire Changer

2.1.4 SAI Global Limited Publications

Available from SAI Global Limited, PO Box 5420, Sydney NSW Australia 2001, Tel: +61 2 8206 6060, www.saiglobal.com.

Australian Standard AS 4457 Earth-Moving-Off-The-Road Wheels, Rims and Tyres - Maintenance and Repair

2.1.5 Tire Industry Association Publications

Available from Tire Industry Association, 1532 Pointer Ridge Place, Suite G, Bowie, MD 20716-1883, Tel: 800-876-8372, www.tireindustry.org.

OTR Tire Mount/Demount Training and Certificate Program 2001

2.1.6 OSHA Publications

Available from U.S. Department of Labor/OSHA, 200 Constitution Avenue, Washington, DC 20210, Tel: 800-321-6742, www.osha.gov/pls/publications/pubindex.list.

29 CFR 1910.177 Servicing Multi-Piece and Single Piece Rim Wheels

3. DEFINITIONS

See Figures 1 and 2.

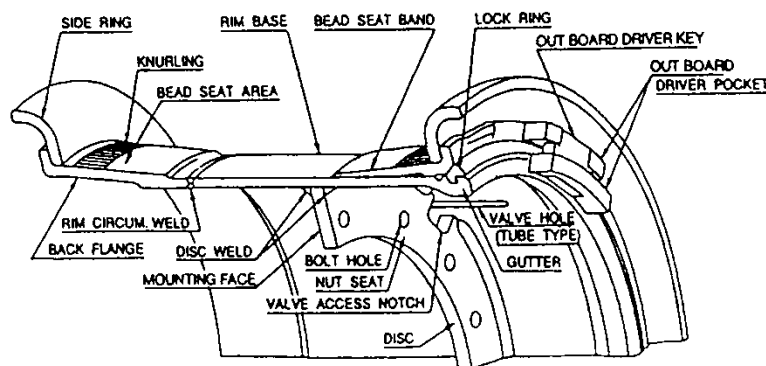


Figure 1 - Multi-piece wheel component names