



SURFACE VEHICLE RECOMMENDED PRACTICE

J1432™

JAN2016

Issued 1988-10
Revised 2010-05
Reaffirmed 2016-01

Superseding J1432 MAY2010

Rear High Mounted Stop Lamps and Rear High Mounted Turn Signal Lamps
for Use on Vehicles 2032 mm or More in Overall Width

RATIONALE

J1432 has been reaffirmed to comply with the SAE five-year review policy.

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Documents

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1. SCOPE

This SAE Recommended Practice provides test procedures, requirements, and guidelines for high-mounted stop lamps and high-mounted turn signal lamps intended for use on vehicles 2032 mm or more in overall width. This document applies to trucks, motor coaches, van type trailers, and other vehicles with permanent structure greater than 2800 mm high.

This document does not apply to school buses, truck tractors, pole trailers, flat-bed trailers, pick-up truck with dual wheels and trailer converter dollies. The purpose of the high-mounted stop lamp(s) and high-mounted turn signal lamp(s) is to provide a signal over intervening vehicles to the driver of following vehicles.

2. REFERENCES

2.1 Applicable Publications

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.

SAE J387	Terminology—Motor Vehicle Lighting
SAE J576	Plastic Material or Materials for Use in Optical Parts Such as Lenses and Reflex Reflectors of Motor Vehicle Lighting Devices
SAE J578	Color Specification
SAE J759	Lighting Identification Code
SAE J1889	L.E.D. Signal and Marking Lighting Devices
SAE J2139	Tests for Signal and Marking Devices Used on Vehicles 2032 mm or More in Overall Width
SAE J2261	Stop Lamps and Front- and Rear-Turn Signal Lamps for Use on Motor Vehicles 2032 mm or More in Overall Width

2.2 Related Publications

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

2.2.1 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.

SAE J567	Lamp Bulb Retention System
SAE J1957	Center High Mounted Stop Lamp Standard for Vehicles Less than 2032 mm in Overall Width
SAE J2577	Heavy Duty Lamp Electrical Connector Standard

2.2.2 Canadian Federal Publications

Available from Transport Canada, Motor Vehicle Standards and Research Branch, 330 Sparks Street, Ottawa, Ontario K1A 0N5, Canada, Tel: 613-990-2309, www.tc.gc.ca.

Canadian Motor Vehicle Safety Standard-108 (CMVSS-108)

2.2.3 FMVSS Publications

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

Federal Motor Vehicle Safety Standard 49 CFR 571.108

Federal Motor Carrier Safety Administration 49 CFR PART 393 Subpart B

2.2.4 TMC and TTMA Publications

Available from the Truck Trailer Manufacturers Association 1020 Princess Street, Alexandria, VA 22314-2247, Tel: 703-838-1700, <http://www.ttmanet.org/publications.html>.

TTMA #RP-9 Location of Lighting Devices for Trailers

Available from the Technology and Maintenance Council, American Trucking Associations, 950 North Glebe Road, Suite 210, Arlington, VA 22203-4181, Tel: (703) 838-1700, www.truckline.com.

TMC #RP-702A Trailer Lamp and Reflector Placement

3. DEFINITIONS

3.1 High-Mounted Stop Lamp (HMSL)

A lamp supplemental to the required Stop Lamp as described in SAE J2261 and defined in SAE J387 but is mounted at any distance above the required Stop Lamp.

3.2 High-Mounted Turn Signal Lamp (HMTSL)

A lamp supplemental to the required Turn Signal Lamp as described in SAE J2261 and defined in SAE J387 but is mounted at any distance above the required Turn Signal Lamp.

3.3 The terminology contained in SAE J387 shall apply to this standard.

4. LIGHTING IDENTIFICATION CODE

High-mounted stop lamps and high-mounted turn signal lamps for use on vehicles 2032 mm or more in overall width may be identified by the code U in accordance with SAE J759.