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Superseding J268 MAY1989

Rear View Mirrors—Motorcycles

1. **Scope**—This SAE Recommended Practice specifies recommendations for rear view mirror systems to provide the operator with a clear view to the rear. It is intended as a supplement to the requirements for motorcycle mirrors given in 49 CFR 571.111.
2. **References**
 - 2.1 **Applicable Publications**—The following publications form a part of the specification to the extent specified herein. Unless otherwise indicated, the latest version of SAE publications shall apply.
 - 2.1.1 SAE PUBLICATIONS—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.
 - SAE J213—Motorcycle Classifications
 - SAE J964—Recommended Practice for Measuring Haze and Reflectance of Mirrors
 - 2.1.2 ISO PUBLICATION—Available from ANSI, 23 West 43rd Street, 4th Floor, New York, NY 10036.
 - ISO 6682—Earth Moving Machinery—Zones of Comfort and Reach for Controls
 - 2.2 **Related Publications**—The following publications are provided for information purposes only and are not a required part of this document.
 - 2.2.1 CODE OF FEDERAL REGULATIONS (CFR)—Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, <http://www.gpoaccess.gov/>. The document can be viewed at http://www.access.gpo.gov/nara/cfr/waisidx_01/49cfr571_01.html.
 - 49 CFR 571.111—Rearview Mirrors
3. **Application**—This document applies to all classes of motorcycles, as defined in SAE J213, intended for use on public roads.
 - 3.1 **Operator Dimensions**—Motorcycles intended for adult operators should satisfy the requirement of this document for an operator having the dimensions of a medium operator (ISO 6682). Motorcycles intended specifically for other than adult operators should satisfy the requirements of this document for the 50th percentile of the intended operator population.

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4. Requirements

4.1 Mounting

4.1.1 Each mirror should have its entire reflective surface located between planes passing through the eyepoint of an operator in the designed seating position, 45 degrees above and below and 60 degrees left and right of the forward line of sight (SAE J985).

4.1.2 The mounting should provide for mirror adjustment to comply with 4.2.1.

4.2 Field of View

4.2.1 The mirror system should provide an operator in the designed seating position, an indirect rearward view of a straight level road surface extending to the horizon, beginning at a point not greater than 30 m (98 ft) from the rearmost part of the vehicle. The mirror system should also provide a field of view extending from the vehicle centerline 3.7 m (12 ft) both left and right at a distance 10 m (33 ft) behind the rearmost portion of the vehicle.

4.3 Mirror Construction

4.3.1 REFLECTANCE—The mirror reflectance should be at least 50% when tested in accordance with SAE J964.

5. Notes

5.1 **Marginal Indicia**—The change bar (I) located in the left margin is for the convenience of the user in locating areas where technical revisions have been made to the previous issue of the report. An (R) symbol to the left of the document title indicates a complete revision of the report.

PREPARED BY THE SAE MOTORCYCLE COMMITTEE