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Motorcycle Side Stand Retraction Performance Requirements**1. Scope**

- 1.1** These requirements define minimum recommended levels of side stand retraction performance of a new side stand/motorcycle combination when tested according to the procedures of SAE J1578.
- 1.2** These requirements apply to any new two-wheeled motorcycle without a sidecar, equipped with a side stand, and intended for highway use. (See SAE J213).
- 1.3** This SAE Recommended Practice is intended as a guide toward standard practice but may be subject to frequent change to keep pace with experience and technical advances. This should be kept in mind when considering use of this document.

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 revision of SAE publications shall apply.
- 2.1.1 SAE PUBLICATIONS**—Available from 400 Commonwealth Drive, Warrendale, PA 15096.
- SAE J213—Motorcycle Classifications
SAE J1578—Motorcycle Side Stand Retraction Test Procedure
- 2.2 Related Publication**—The following publication is provided for information purposes only and is not a required part of this document.
- 2.2.1 SAE PUBLICATION**—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.
- SAEJ1846—Characterizing a Test Surface for Motorcycle Side Stand Retraction Performance Testing

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3. Definitions

- 3.1 Side Stand**—A device attached to the motorcycle that provides support, in conjunction with the motorcycle's two tires, for unattended parking of the motorcycle. Three-point ground support for unattended parking is provided by leaning the motorcycle toward the side stand until the side stand and two tires are in contact with the ground.
- 3.2 Deployed Position**—A position of a side stand in which it provides support, in conjunction with the two tires, for unattended parking of a motorcycle.
- 3.3 Stowed Position**—A position of a side stand for driving a motorcycle, from which it shall neither interfere with the operator's control, nor return unaided to a deployed position.
- 3.4 Retract**—For a side stand to move from a deployed position to a stowed position.

4. Performance Requirements—When a motorcycle is tested according to the procedures of SAE J1578:

- 4.1** The motorcycle shall complete the test course with both front and rear tire contact patches remaining within the test course.
- 4.2** The side stand, after contacting the test surface, shall retract by the termination point of the test course.

PREPARED BY THE SAE MOTORCYCLE COMMITTEE