

SURFACE VEHICLE RECOMMENDED PRACTICE

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Manual Slack Adjuster Performance Requirements

Foreword—The performance requirements in this SAE Recommended Practice were derived from established performance requirements utilized by slack adjuster manufacturers and users.

1. **Scope**—These performance requirements have been established for manual slack adjusters when tested to SAE J1461.

1.1 **Objective**—To establish acceptable levels of performance for manual slack adjusters.

2. References

2.1 **Applicable Publication**—The following publication forms 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 PUBLICATION—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J1461—Manual Slack Adjuster Test Procedure

3. **Requirements**—Slack adjusters must meet all of the following requirements to be in compliance with this document. The paragraph number of the requirements will be followed by a number in parentheses. This number is a reference to the appropriate part of the test procedure in SAE J1461.

3.1 (3.1) Maximum torque not to exceed 8.47 Nm (75 in-lb).

3.2 (3.2) Backlash not to exceed 6.35 mm (0.25 in).

3.3 (4.1) Maximum torque not to exceed 8.47 Nm (75 in-lb).

3.4 (5.1.4) If the shutoff device has been triggered, the adjuster does not comply with the performance requirements.

3.5 (5.2.3) During any checking phase, the adjusting torque must not exceed 28.23 Nm (250 in-lb) and there must be no visible structural fractures.

3.6 (5.3.2) There shall be no visible structural fractures.

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