



400 Commonwealth Drive, Warrendale, PA 15096-0001

# SURFACE VEHICLE RECOMMENDED PRACTICE

SAE J1512

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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.

PREPARED BY THE SAE TRUCK AND BUS FOUNDATION BRAKE SUBCOMMITTEE

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