

(R) EXTERNAL AUTOMATIC SLACK ADJUSTER PERFORMANCE REQUIREMENTS

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

1. **Scope**—The performance requirements have been established for external automatic slack adjusters when tested to SAE J1462.

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 J1462—External Automatic Slack Adjuster Test Procedure

3. **Objective**—To establish acceptable levels of performance for external automatic slack adjusters.

4. **Requirements**—External automatic slack adjusters must meet all of the following requirements to be in compliance with this document. All following requirements will be preceded with a number in parentheses. This number is a reference to the appropriate part of the test procedure in SAE J1462.

4.1 **(4.1 and 10.2.3) Adjusting Torque**—The adjusting torque in either direction not to exceed the manufacturer's recommendation.

4.2 **(4.2)**—Backlash not to exceed 6.35 mm (0.25 in).

4.3 **(10.2.3)**—During any checking phase, the adjusting torque must not exceed the manufacturer's recommended values of 4.1 by more than 19.8 N·m (175 in·lb) and there must be no structural fractures.

4.4 **(7.2.4 and 9.6)**—If the shut-off device has been triggered, the adjuster does not comply with the performance requirements.

4.5 All Chamber strokes measured at 856 kPa (85psi) in sections 11.9.5.3, 11.9.6.2, 11.9.7.2, 11.9.8.2, 11.9.9.5, 11.9.9.9, 11.9.9.13, and 11.9.9.17 of SAE J1462, shall not exceed 44.45 mm (1.75 in).

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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.

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