



400 Commonwealth Drive, Warrendale, PA 15096-0001

SURFACE VEHICLE RECOMMENDED PRACTICE

an American National Standard

SAE J1513

Issued 1985-06

AUTOMATIC SLACK ADJUSTER PERFORMANCE REQUIREMENTS

(Reference SAE J1462, Automatic Slack Adjuster Test Procedure.)

INTRODUCTION: 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 automatic slack adjusters when tested to SAE J1462, Automatic Slack Adjuster Test Procedure.

2. OBJECTIVES:

To establish acceptable levels of performance for automatic slack adjusters.

3. REQUIREMENTS:

Slack adjusters must meet all of the following requirements to be in compliance with this recommended practice. 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.

- 3.1 (4.1 and 5.1) Adjusting Torque: The adjusting torque in either direction not to exceed the manufacturer's recommendation.
- 3.2 (4.2) Backlash not to exceed 0.25 in (6.35 mm).
- 3.3 (6.2.3) During any checking phase, the adjusting torque must not exceed the manufacturer's recommended values of 3.1 by more than 175 in lb (19.8 Nm) and there must be no structural fractures.

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3.4 (7.2.4 and 8.6) If the shut-off device has been triggered, the adjuster does not comply with the performance requirements.

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RATIONALE:

Not applicable.

RELATIONSHIP OF SAE STANDARD TO ISO STANDARD:

Not applicable.

REFERENCE SECTION:

SAE J1462, Automatic Slack Adjuster Test Procedure

APPLICATION:

These performance requirements have been established for automatic slack adjusters when tested to SAE J1462, Automatic Slack Adjuster Test Procedure.

COMMITTEE COMPOSITION:

DEVELOPED BY THE SAE TRUCK AND BUS BRAKE COMMITTEE:

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