



SURFACE VEHICLE RECOMMENDED PRACTICE

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Manual Slack Adjuster Test Procedure

RATIONALE

Manual brake (slack) adjusters have been replaced by automatic brake adjusters since 1994. They are still used for aftermarket and certain special applications. The test procedure for these adjusters have not changed and are not expected to change due to the newer technology.

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1. SCOPE

This SAE Recommended Practice is intended for testing of manual slack adjusters as they are used in service, emergency, or parking brake systems for vehicles that can be licensed for on-road use.

1.1 Purpose

This document establishes an accelerated laboratory test procedure for manual slack adjusters to determine their integrity and durability in various functional modes and environmental conditions.

2. REFERENCES

2.1 Applicable Publication

The following publication forms a part of this specification to the extent specified herein.

2.1.1 ASTM Publication

Available from ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959, Tel: 610-832-9585, www.astm.org.

ASTM B 117 Practice for Operating Salt Spray (Fog) Apparatus

3. FUNCTIONAL TEST

At ambient temperature of $27\text{ }^{\circ}\text{C} \pm 11\text{ }^{\circ}\text{C}$ ($80\text{ }^{\circ}\text{F} \pm 20\text{ }^{\circ}\text{F}$), the following functional tests should be performed.

3.1 Adjusting Torque

Per the manufacturer's recommendations, rotate the adjusting shaft with a torque wrench a sufficient number of turns such that the worm wheel rotates one revolution in each direction. Record the maximum torque.