



SURFACE VEHICLE RECOMMENDED PRACTICE

J1609™

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Air Reservoir Capacity Performance Guide - Trucks and Buses

RATIONALE

This document has been stabilized because it covers technology, products, or processes which are mature and not likely to change in the foreseeable future.

STABILIZED NOTICE

This document has been declared "STABILIZED" by SAE Truck and Bus Brake Supply and Control Components Committee and will no longer be subjected to periodic reviews for currency. Users are responsible for verifying references and continued suitability of technical requirements. Newer technology may exist.

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1. SCOPE

This SAE Recommended Practice establishes performance guidelines of the air reservoir systems used on trucks, towing trucks, truck-tractors, trailers, and converter dollies with GVWRs over 10 000 lb designed to be used on the highway.

NOTE: Compliance with this document does not guarantee compliance with the air reservoir requirements of FMVSS 121.

1.1 Purpose

The purpose of this document is to establish a minimum storage capacity for highway-type trucks, buses, trailers, and converter dollies which use compressed air to actuate or transmit actuation power to the foundation brakes. A vehicle's air reservoir capacity is quantified by its ability to provide a brake application pressure which is adequate to stop the vehicle within the emergency brake stopping distances specified in Table II of FMVSS 121, after seven full brake applications with the air compressor disabled.

2. REFERENCES

2.1 Applicable Publications

The following publications form 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 International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

SAE J1911 Test Procedures for Air Reservoir Capacity—Highway Type Vehicles