



SURFACE VEHICLE RECOMMENDED PRACTICE

J703™

OCT2015

Issued 1954-10
Stabilized 2015-10

Superseding J703 NOV2006

Fuel Systems - Truck and Truck Tractors

RATIONALE

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FOREWORD

This SAE Recommended Practice is a reintroduction of SAE J703 which was removed from the SAE Handbook in 1980. The reintroduction benefits from many years of industry conformance and testing to Federal Motor Carrier Safety Regulations as prescribed by the U.S. Department of Transportation Federal Motor Carrier Safety Administration Parts 393.65 and 393.67. The updating is a result of the need to introduce the international metric system, and also reflects what has been learned from component testing and reported field experiences.

This document does not exclude liquid fuel tanks less than 95 L (25 gal) capacity (as does the Federal Motor Carrier Safety Administration document). This does not appear to cause any hardship on vehicle or component manufacturers since the vast majority of fuel tanks used in the classes of vehicles covered in the “Scope” already conform to the performance and test standards required of the liquid fuel tanks over 95 L capacity.

The intent of this document is not only to clarify the procedures and reflect the best currently known practices, but also to prescribe requirements in Sections 3 and 4 that meet or exceed all the corresponding performance requirements of FMCSR 393.65 and 393.67 that were in effect at the time of issue. However, reference to the regulations should be made on such matters as applicability, markings, and subsequent regulatory changes which are beyond the purview of SAE.

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1. SCOPE

This SAE Recommended Practice applies to all commercial, self-propelled, or towed motor vehicles which transport property or passengers in interstate commerce in which the gross vehicle weight rating or gross combination weight rating exceeds 4550 kg (10 000 lb).