

	SURFACE VEHICLE RECOMMENDED PRACTICE	SAE J1660 APR2011
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Fittings and Labels for Retrofit of CFC-12 (R-12) Mobile Air-Conditioning Systems to HFC-134a (R-134a)		

RATIONALE

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1. **Scope**—This SAE Recommended Practice describes the specific measures required to meet SAE established criteria when retrofitting CFC-12 (R-12) mobile air-conditioning (A/C) systems to HFC-134a (R-134a), with regards to fittings and labeling. This document is complete only when combined with the requirements of SAE J1657.
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 PUBLICATIONS—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.
 - SAE J639—Safety and Containment of Refrigerant for Vapor Compression Systems for Mobile Air-Conditioning Systems
 - SAE J1627—Rating Criteria for Electronic Refrigerant Leak Detectors
 - SAE J1628—Technician Procedure for Using Electronic Refrigerant Leak Detector for Service of Mobile Air-Conditioning Systems
 - SAE J1657—Selection Criteria for Retrofit Refrigerants to Replace CFC-12 (R-12) in Mobile Air-Conditioning Systems
 - SAE J1661—Procedure for Retrofitting CFC-12 (R-12) Mobile Air-Conditioning Systems to HFC-134a (R-134a)
 - SAE J2064—HFC-134a (R-134a) Refrigerant Automotive Air-Conditioning Hose
 - 2.1.2 UL PUBLICATION—Available from Underwriters Laboratories, Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.
 - ANSI/UL 969-1991—Marking and Labeling Systems
3. **Fittings**
 - 3.1 There shall be at least one system service port which complies with SAE J639 for HFC-134a (R-134a). If both a high side and low side service port exist, there shall be at least one high side and at least one low side system service port which complies with SAE J639 for HFC-134a (R-134a) after the retrofit is completed.