



# SURFACE VEHICLE STANDARD



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Superseding J1732 NOV1998

HFC-134a (R-134a) Refrigerant Recovery Equipment for Mobile Automotive Air-Conditioning Systems

## RATIONALE

The technical report covers technology, products, or processes which are mature and not likely to change in the foreseeable future.

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**Foreword**—SAE J2210 established equipment specifications for on-site recovery and reuse of HFC-134a (R-134a) in mobile air-conditioning (A/C) systems. These specifications are for HFC-134a (R-134a) recovery (extraction) only equipment that are intended to be used in conjunction with the on-site recovery/recycling (R/R) equipment used at service facilities, or allow for off-site refrigerant reclamation.

1. **Scope**—The purpose of this SAE Standard is to provide equipment specifications for the recovery of HFC-134a (R-134a) refrigerant to be returned to a refrigerant reclamation facility that will process it to the appropriate ARI 700 Standard or allow for recycling of the recovered refrigerant to SAE J2210 specifications by using Design Certified equipment of the same ownership. It is not acceptable that the refrigerant removed from a mobile air-conditioning (A/C) system, with this equipment be directly returned to a mobile A/C system.

This information applies to equipment used to service automobiles, light trucks, and other vehicles with similar HFC-134a (R-134a) A/C systems.

## 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 Mechanical Vapor Compression Systems Used for Mobile Air-Conditioning Systems

SAE J1771—Criteria for Refrigerant Identification Equipment for Use with Mobile Air-Conditioning Systems

SAE J2210—HFC-134a (R-134a) Recovery/Recycling Equipment for Mobile Automotive Air-Conditioning Systems

SAE J2196—Service Hose for Automotive Air Conditioning

SAE J2296—Retest of Refrigerant Containers

- 2.1.2 ARI PUBLICATION—Available from Air Conditioning and Refrigeration Institute, 1501 Wilson Boulevard, Sixth Floor, Arlington, VA 22209.

ARI 700—Specifications for Fluorocarbon Refrigerants