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Cautionary Statements for Handling HFC-134a During Mobile Air Conditioning Service

Foreword—The purpose of this SAE Information Report is to provide cautionary statements for the mobile air conditioning industry to alert service technicians to the inadvisability and the possible health and safety effects associated with (a) venting HFC-134a (R-134a) systems to the atmosphere, and (b) using compressed air for leak detection in HFC-134a systems during service operations.

1. **Scope**

- 1.1 The cautionary statements presented in this SAE Information Report are to be included in all current and future SAE standards involving service practices (J2211) and service equipment (J2210) for HFC-134a refrigerant.
- 1.2 It is also intended that these cautionary statements (or equivalent language) be recommended for inclusion in all publications dealing with the servicing of HFC-134a mobile air conditioning systems.

2. **References**

- 2.1 **Applicable Publications**—The following publications form a part of this specification to the extent specified herein. The latest issue of SAE publications shall apply.
 - 2.1.1 SAE PUBLICATIONS—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J2210—HFC-134a Recycling Equipment for Mobile Air Conditioning Systems
SAE J2211—Recommended Service Procedures for the Containment of HFC-134a

3. **Cautionary Statements**

- 3.1 **Caution**—Avoid breathing air conditioning refrigerant and lubricant vapor or mist. Exposure may irritate eyes, nose, and throat. To remove HFC-134a from the air conditioning system, use service equipment certified to meet the requirements of SAE J2210 (HFC-134a recycling equipment). Additional health and safety information may be obtained from refrigerant and lubricant manufacturers.

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- 3.2 Caution**—Do not pressure test or leak test HFC-134a service equipment and/or vehicle air conditioning systems with compressed air. Some mixtures of air and HFC-134a have been shown to be combustible at elevated pressures. These mixtures, if ignited, may cause injury or property damage. Additional health and safety information may be obtained from refrigerant manufacturers.

PREPARED BY THE SAE INTERIOR CLIMATE CONTROL STANDARDS COMMITTEE

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