

Material/configuration	ER	
	High-pressure side	Low-pressure side
All rubber hose	0.0216	0.0144
Standard barrier or veneer hose	0.0054	0.0036
Ultra-low permeation barrier or veneer hose	0.00225	0.00167

(e) *Heat exchangers, mufflers, receiver/driers, and accumulators.* Use an emission rate of 0.261 grams per year as a combined value for all heat exchangers, mufflers, receiver/driers, and accumulators (Grams/YR_{MC}).

(f) *Compressors.* Determine the emission rate for compressors using the following equation, except that the final term in the equation (“1500/SSL”) is not applicable to electric (or semi-hermetic) compressors:

$$\text{Grams/YR}_C = 0.00522 \times [(300 \times \text{OHS}) + (200 \times \text{MHS}) + (150 \times \text{FAP}) + (100 \times \text{GHS}) + (1500/\text{SSL})]$$

Where:

Grams/YR_C = The emission rate for the compressors in the air conditioning system, in grams per year.

OHS = The number of O-ring housing seals.

MHS = The number of molded housing seals.

FAP = The number of fitting adapter plates.

GHS = The number of gasket housing seals.

SSL = The number of lips on shaft seal (for belt-driven compressors only).

(g) *Definitions.* The following definitions apply to this section:

(1) *All rubber hose* means a Type A or Type B hose as defined by SAE J2064 with a permeation rate not greater than 15 kg/m²/year when tested according to SAE J2064. SAE J2064 is incorporated by reference; see § 86.1.

(2) *Standard barrier or veneer hose* means a Type C, D, E, or F hose as defined by SAE J2064 with a permeation rate not greater than 5 kg/m²/year when tested according to SAE J2064. SAE J2064 is incorporated by reference; see § 86.1.

(3) *Ultra-low permeation barrier or veneer hose* means a hose with a permeation rate not greater than 1.5 kg/m²/year when tested according to SAE J2064. SAE J2064 is incorporated by reference; see § 86.1.

EFFECTIVE DATE NOTE: At 75 FR 25681, May 7, 2010, § 86.166-12 was added, effective July 6, 2010.

Subpart C—Emission Regulations for 1994 and Later Model Year Gasoline-Fueled New Light-Duty Vehicles, New Light-Duty Trucks and New Medium-Duty Passenger Vehicles; Cold Temperature Test Procedures

SOURCE: 57 FR 31916, July 17, 1992, unless otherwise noted.

§ 86.201-94 General applicability.

(a) This subpart describes procedures for determining the cold temperature carbon monoxide (CO) emission from 1994 and later model year new gasoline-fueled light-duty vehicles and light-duty trucks.

(b) All of the provisions of this subpart are applicable to testing conducted at a nominal temperature of 20 °F (−7 °C).

(c) The provisions that are specially applicable to testing at temperatures between 25 °F (−4 °C) and 68 °F (20 °C) are specified in § 86.246-94 of this subpart.

§ 86.201-11 General applicability.

(a) This subpart describes procedures for determining the cold temperature carbon monoxide (CO) emissions from 1994 and later model year new gasoline-fueled light-duty vehicles and light-duty trucks, and for emissions sampling for determining fuel economy according to part 600 of this chapter for 2011 and later model year new gasoline-fueled and diesel-fueled light-duty vehicles and light-duty trucks.

(b) All of the provisions of this subpart are applicable to testing conducted at a nominal temperature of 20 °F (−7 °C).

(c) The provisions that are specifically applicable to testing at temperatures between 25 °F (−4 °C) and 68 °F (20 °C) are specified in § 86.246-94 of this subpart.

[71 FR 77922, Dec. 27, 2006]