



SURFACE VEHICLE RECOMMENDED PRACTICE

J2785

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Standardization of Color and Verbiage for Fuel Inlet Closures

RATIONALE

This document was created to standardize the color and verbiage of the fuel inlet closure for various different fuels or blends.

INTRODUCTION

There are several uniquely different fuels in the US automotive market (i.e. unleaded gasoline, diesel fuel, E85). In an effort to help vehicle operators to know what fuel to use and prevent refueling a vehicle with the wrong fuel, the fuel inlet closure may be color coded and contain text specifying the type of fuel to use in the vehicle. This recommended practice should be followed for all "non-black" fuel inlet closures.

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1. SCOPE

This SAE Recommended Practice was developed to standardize fuel inlet closure colors and verbiage by fuel type primarily for passenger car and truck applications, but it can be applied to marine, industrial, lawn and garden, and other similar applications. See Section 4, Table 1 for a list of specified colors, and text by fuel type.

1.1 Purpose

The purpose of this document is to establish standardized colors and text on the fuel inlet closure for various automotive fuels. By following this recommended practice, instances of refueling vehicles with the wrong fuel which can lead to damage to the vehicle engine and its emission control system can be avoided.

2. REFERENCES

2.1 Applicable Publications

The following publications form a part of this specification to the extent specified herein. Unless otherwise specified, the latest issue of SAE publications shall apply.

2.1.1 SAE Publications

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

SAE J1114 Fuel Tank Filler Cap and Cap Retainer Threaded

2.1.2 ISO Publication

Available from ANSI, 25 West 43rd Street, New York, NY 10036-8002, Tel: 212-642-4900, www.ansi.org.

ISO 2575 Road vehicles—Symbols for controls, indicators and tell-tales

2.2 Related Publications

The following publications are provided for information purposes only and are not a required part of this document.

2.2.1 SAE Publications

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

SAE J829 Fuel Tank Filler Cap and Cap Retainer

SAE J285 Dispenser Nozzle Spouts for Liquid Fuels Intended for Use with Spark Ignition and Compression Ignition Engines

3. DEFINITIONS

3.1 Fuel Inlet Closure

Gas cap or other mechanisms, such as capless devices, used to open and close/seal the fuel system for the purpose of refueling a fuel tank.

3.2 Unleaded Gasoline

Fuel intended for use with spark ignition (SI) engines that contains no lead or other metal compounds that could poison tailpipe emission control and which have been certified by US EPA to conform to the EPA "Substantially Similar" guideline. The following are examples of unleaded gasoline:

3.2.1 Gasoline (petrol)

3.2.2 E10

Gasoline plus up to 10% ethyl alcohol.

3.2.3 Reformulated Gasoline

Gasoline with reduced aromatic content, boiling range and volatility and containing up to 2 wt% oxygen (15% MTBE, 6% ethanol or 5% methanol).

3.3 E85

An unleaded fuel mixture containing 85% ethanol and 15% unleaded gasoline. Normally used in Flexible Fuel Vehicles (FFV).

3.4 Diesel Fuel

Fuel intended for use with compression ignition (CI) engines. The following are examples of diesel fuel:

3.4.1 Diesel Fuel, #1 or #2

3.4.2 B5

Diesel fuel containing up to 5% fatty acid methyl esters (FAME).

3.4.3 B20

Diesel fuel containing up to 20% FAME

3.5 Pantone

The PANTONE MATCHING SYSTEM® is a solid color communication system based on the visual matching of individual, pre-mixed colors.

4. REQUIREMENTS

TABLE 1 - COLOR AND TEXT REQUIREMENTS

Fuel Type	Closure Color (Pantone #)	Text	Text Color
Diesel Fuel	Green (347)	"DIESEL"	Black
E85	Yellow (109)	"E85 / Gasoline"	Black
Unleaded Fuel	Black	Unspecified	Unspecified