

## PART 571—FEDERAL MOTOR VEHICLE SAFETY STANDARDS

1. The authority citation for part 571 would continue to read as follows:

**Authority:** 49 U.S.C. 322, 30111, 30115, 30117, and 30166; delegation of authority at 49 CFR 1.50.

2. Section 571.101 would be revised to read as follows:

### **§ 571.101 Standard No. 101; Controls, telltales, and indicators.**

**S1. Scope.** This standard specifies performance requirements for location, identification, color, and illumination of motor vehicle controls, telltales and indicators.

**S2. Purpose.** The purpose of this standard is to ensure the accessibility, visibility and recognition of motor vehicle controls, telltales and indicators, and to facilitate the proper selection of controls under daylight and nighttime conditions, in order to reduce the safety hazards caused by the diversion of the driver's attention from the driving task, and by mistakes in selecting controls.

**S3. Application.** This standard applies to passenger cars, multipurpose passenger vehicles, trucks, and buses.

#### **S4. Definitions.**

**Adjacent**, with respect to a symbol identifying a control, telltale or indicator, means:

(a) The symbol is in close proximity to the control, telltale or indicator; and

(b) No other control, telltale, indicator, identifying symbol or source of illumination appears between the identifying symbol and the telltale, indicator, or control that the symbol identifies.

**Common space** means an area on which more than one telltale, indicator, identifier, or other message may be displayed, but not simultaneously.

**Control** means the hand-operated part of a device that enables the driver to change the state or functioning of the vehicle or a vehicle subsystem.

**Indicator** means a device that shows the magnitude of the physical characteristics that the instrument is designed to sense.

**Multi-function control** means a control through which the driver may select, and affect the operation of, more than one vehicle function.

**Multi-task display** means a display on which more than one message can be shown simultaneously.

**Telltale** means an optical signal that, when illuminated, indicates the actuation of a device, a correct or improper functioning or condition, or a failure to function.

**S5. Requirements.** Each passenger car, multipurpose passenger vehicle, truck

and bus that is fitted with a control, a telltale or an indicator listed in Table 1 or Table 2 must meet the requirements of this standard for the location, identification, color, and illumination of that control, telltale or indicator. The standard's requirements for telltales and indicators do not apply to vehicles with a GVWR of 4,536 kg. or greater if those vehicles are manufactured before [the date eight years after the publication date of the final rule would be inserted]. At the option of the manufacturer, vehicles with a GVWR less than 4,536 kg. manufactured before [the date five years after the publication date of the final rule would be inserted] may meet the requirements of the version of 49 CFR part 571.101 in effect on [the publication date of the final rule would be inserted] instead of the requirements of this version of the standard. At the option of the manufacturer, vehicles with a GVWR of 4,536 kg. or greater manufactured before [the date eight years after the publication date of the final rule would be inserted] may meet the requirements of the version of 49 CFR part 571.101 in effect on [the publication date of the final rule would be inserted] instead of the requirements of this version of the standard.

#### **S5.1 Location.**

**S5.1.1** The controls listed in Table 1 must be located so that they are operable by the driver under the conditions of S5.6.2.

**S5.1.2** The telltales and indicators listed in Table 1 and Table 2 and their identification must be located so that, when activated, they are visible to a driver under the conditions of S5.6.1 and S5.6.2.

**S5.1.3** Except as provided in S5.1.4, the identification for controls, telltales and indicators must be placed on or adjacent to the telltale, indicator or control that it identifies.

**S5.1.4** The requirement of S5.1.3 does not apply to a multi-task control, provided:

(a) The control is depicted in an associated multi-task display,

(b) The associated multi-task display is visible to the driver under the conditions of S5.6.1 and S5.6.2, and

(c) All of the vehicle systems for which control is possible from the multi-task control are identified in the associated multi-task display. Subfunctions of the available systems need not be shown on the top-most layer of the multi-task display.

#### **S5.2 Identification.**

**S5.2.1** Each control, telltale and indicator that is listed in column 1 of Table 1 or Table 2 must be identified by the symbol specified for it in column 2 of Table 1 or Table 2. Each symbol

provided pursuant to this paragraph must have the proportional dimensional characteristics of the symbol as it appears in Table 1 or Table 2. No identification is required for any horn (*i.e.*, audible warning signal) that is activated by a lanyard or for a turn signal control that is operated in a plane essentially parallel to the face plane of the steering wheel in its normal driving position and which is located on the left side of the steering column so that it is the control on that side of the column nearest to the steering wheel face plane.

**S5.2.2** Any symbol not shown in Table 1 or Table 2 may be used to identify a control, a telltale or an indicator that is not listed in those tables.

**S5.2.3** Supplementary symbols or words may be used in conjunction with any symbol specified in Table 1 or Table 2.

#### **S5.2.4 [Reserved]**

**S5.2.5** A single symbol may be used to identify any combination of the control, indicator, and telltale for the same function.

**S5.2.6** Except as provided in S5.2.7, all identifications of telltales, indicators and controls listed in Table 1 or Table 2 must appear to the driver to be perceptually upright. For rotating controls that have an "off" position, this requirement applies to the control in the "off" position.

**S5.2.7** The identification of the following items need not appear to the driver to be perceptually upright:

(a) A horn control;

(b) Any control, telltale or indicator located on the steering wheel, when the steering wheel is positioned for the motor vehicle to travel in a direction other than straight forward; and

(c) Any rotating control that does not have an "off" position.

**S5.2.8** Each control for an automatic vehicle speed system (cruise control) and each control for heating and air conditioning systems must have identification provided for each function of each such system.

**S5.2.9** Each control that regulates a system function over a continuous range must have identification provided for the limits of the adjustment range of that function. If color coding is used to identify the limits of the adjustment range of a temperature function, the hot limit must be identified by the color red and the cold limit by the color blue. If the status or limit of a function is shown by a display not adjacent to the control for that function, both the control and the display must be independently identified as to the function of the control, in compliance with S5.2.1, on