



### Minimum Unobstructed Platform Operating Volume for Public Use Lifts

Figure 3

[67 FR 79439, Dec. 27, 2002, as amended at 69 FR 58852, Oct. 1, 2004; 69 FR 76870, Dec. 23, 2004]

**§571.404 Standard No. 404; Platform lift installations in motor vehicles.**

S1. *Scope.* This standard specifies requirements for vehicles equipped with platform lifts used to assist persons with limited mobility in entering or leaving a vehicle.

S2. *Purpose.* The purpose of this standard is to prevent injuries and fatalities to passengers and bystanders during the operation of platform lifts installed in motor vehicles.

S3. *Application.* This standard applies to motor vehicles manufactured on and after July 1, 2005, that are equipped with a platform lift to carry passengers into and out of the vehicle.

S4. *Requirements.*

S4.1 *Installation requirements.*

S4.1.1 Lift-equipped buses, school buses, and MPVs other than motor homes with a GVWR greater than 4,536

kg (10,000 lb) must be equipped with a public use lift certified as meeting Federal Motor Vehicle Safety Standard No. 403, Lift Systems for Motor Vehicles (49 CFR 571.403).

S4.1.2 Lift-equipped motor vehicles, other than ones subject to paragraph S4.1.1, must be equipped with a platform lift certified as meeting either the public use lift or private use lift requirements of Federal Motor Vehicle Safety Standard No. 403, Lift Systems for Motor Vehicles (49 CFR 571.403).

S4.1.3 Platform lifts must be installed in the vehicle in accordance with the installation instructions or procedures provided pursuant to S6.13 of Standard 403. The vehicle must be of a type identified in the installation instructions as appropriate for the platform lift as certified by the platform lift manufacturer.

S4.1.4 The platform lift, as installed, must continue to comply with all the applicable requirements of Federal

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Motor Vehicle Safety Standard No. 403, Lift Systems for Motor Vehicles (49 CFR 571.403).

S4.1.5 *Platform lighting on public use lifts.* Public use lifts must have a light or a set of lights that provide at least 54 lm/m<sup>2</sup> (5 lm/sqft) of luminance on all portions of the surface of the platform, throughout the range of passenger operation. The luminance on all portions of the surface of the passenger-unloading ramp at ground level must be at least 11 lm/m<sup>2</sup> (1 lm/sqft).

S4.2 *Vehicle owner's manual insert requirements.* If the vehicle is equipped with an owner's manual, the owner's manual must contain the inserts provided by the lift manufacturer pursuant to S6.12 of 49 CFR 571.403.

S4.3 *Control panel switches.*

S4.3.1 Instructions regarding the platform lift operating procedures, including backup operations, as specified by S6.7.8 of 49 CFR 571.403, must be permanently affixed to a location adjacent to the controls.

S4.3.2 *Public use lift:* In addition to meeting the requirements of S4.3.1, for vehicles equipped with public use lifts, as defined in 49 CFR 571.403, any and all controls provided for the lift by the platform lift manufacturer other than those provided for back-up operation of the platform lift specified in S5.9 of 49 CFR 571.403, must be located together and in a position such that the control operator has a direct, unobstructed view of the platform lift passenger and/or their mobility aid throughout the lift's range of passenger operation. Additional power controls and controls for back-up operation of the lift may be located in other positions.

[67 FR 79451, Dec. 27, 2002, as amended at 69 FR 58855, Oct. 1, 2004; 69 FR 76870, Dec. 23, 2004]

### § 571.500 Standard No. 500; Low-speed vehicles.

S1. *Scope.* This standard specifies requirements for low-speed vehicles.

S2. *Purpose.* The purpose of this standard is to ensure that low-speed vehicles operated on the public streets, roads, and highways are equipped with the minimum motor vehicle equipment appropriate for motor vehicle safety.

S3. *Applicability.* This standard applies to low-speed vehicles.

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S4. [Reserved.]

S5. *Requirements.*

(a) When tested in accordance with test conditions in S6 and test procedures in S7, the maximum speed attainable in 1.6 km (1 mile) by each low-speed vehicle shall not more than 40 kilometers per hour (25 miles per hour).

(b) Each low-speed vehicle shall be equipped with:

(1) Headlamps,

(2) Front and rear turn signal lamps,

(3) Taillamps,

(4) Stop lamps,

(5) Reflex reflectors: one red on each side as far to the rear as practicable, and one red on the rear,

(6) An exterior mirror mounted on the driver's side of the vehicle and either an exterior mirror mounted on the passenger's side of the vehicle or an interior mirror,

(7) A parking brake,

(8) A windshield that conforms to the Federal motor vehicle safety standard on glazing materials (49 CFR 571.205).

(9) A VIN that conforms to the requirements of part 565 *Vehicle Identification Number* of this chapter, and

(10) A Type 1 or Type 2 seat belt assembly conforming to Sec. 571.209 of this part, Federal Motor Vehicle Safety Standard No. 209, *Seat belt assemblies*, installed at each designated seating position.

S6. *General test conditions.* Each vehicle must meet the performance limit specified in S5(a) under the following test conditions.

S6.1. *Ambient conditions.*

S6.1.1. *Ambient temperature.* The ambient temperature is any temperature between 0 °C (32 °F) and 40 °C (104 °F).

S6.1.2. *Wind speed.* The wind speed is not greater than 5 m/s (11.2 mph).

S6.2. *Road test surface.*

S6.2.1. *Pavement friction.* Unless otherwise specified, the road test surface produces a peak friction coefficient (PFC) of 0.9 when measured using a standard reference test tire that meets the specifications of American Society for Testing and Materials (ASTM) E1136, "Standard Specification for A Radial Standard Reference Test Tire," in accordance with ASTM Method E 1337-90, "Standard Test Method for Determining Longitudinal Peak Braking Coefficient of Paved Surfaces Using a