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

(a) When tested in accordance with test conditions in §6 and test procedures in §7, 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,
(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.

§ 571.501 Scope. This standard specifies requirements for low-speed vehicles.
S.6.2.2. Gradient. The test surface has not more than a 1 percent gradient in the direction of testing and not more than a 2 percent gradient perpendicular to the direction of testing.

S.6.2.3. Lane width. The lane width is not less than 3.5 m (11.5 ft).

S.6.3. Vehicle conditions.

S.6.3.1. The test weight for maximum speed is unloaded vehicle weight plus a mass of 78 kg (170 pounds), including driver and instrumentation.

S.6.3.2. No adjustment, repair or replacement of any component is allowed after the start of the first performance test.

S.6.3.3. Tire inflation pressure. Cold inflation pressure is not more than the maximum permissible pressure molded on the tire sidewall.

S.6.3.4. Break-in. The vehicle completes the manufacturer’s recommended break-in agenda as a minimum condition prior to beginning the performance tests.

S.6.3.5. Vehicle openings. All vehicle openings (doors, windows, hood, trunk, convertible top, cargo doors, etc.) are closed except as required for instrumentation purposes.

S.6.3.6. Battery powered vehicles. Prior to beginning the performance tests, propulsion batteries are at the state of charge recommended by the manufacturer or, if the manufacturer has made no recommendation, at a state of charge of not less than 95 percent. No further charging of any propulsion battery is permissible.

S.7. Test procedure. Each vehicle must meet the performance limit specified in S.5(a) under the following test procedure. The maximum speed performance is determined by measuring the maximum attainable vehicle speed at any point in a distance of 1.6 km (1.0 mile) from a standing start and repeated in the opposite direction within 30 minutes.

[63 FR 33216, June 17, 1998]

EFFECTIVE DATE NOTE: At 68 FR 43972, July 25, 2003, §571.500 was amended by revising paragraph (b)(8) of S.5, effective Sept. 23, 2003. At 68 FR 55544, Sept. 26, 2003, the effective date of this amendment was delayed until January 22, 2004. For the convenience of the user, the revised text is set forth below:

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S.5. Requirements

(a) * * *

(b) * * *

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

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PART 572—ANTHROPOMORPHIC TEST DEVICES

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APPENDIX A TO SUBPART F