



Standard Consumer Safety Specification for Safety Instructions and Labeling for Recreational Powered Scooters and Pocket Bikes¹

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1. Scope

1.1 This consumer safety specification includes requirements for safe-use instructions and labeling to minimize the hazards to users of recreational powered scooters and pocket bikes. This specification is intended to cover safety instructions, labeling, and maintenance for products for:

1.1.1 Children age eight to twelve for units limited to speeds 16 km/h (10 miles/h) or less, and

1.1.2 Children age 13 and above for fast-moving units capable of achieving speeds of >16 km/h (>10 miles/h).

1.2 This specification is intended to reduce hazards, other than those inherent to the users of these units during normal intended use and within manufacturers' safety guidelines.

1.3 This specification is not intended for non powered scooters (Consumer Safety Specification F2264), battery powered ride-on toys (Consumer Safety Specification F963), motorcycles, skateboards, all terrain vehicles (ATVs), go-karts (Practice F2007), fun-karts (Safety Guide F1928), snowmobiles, motorized trail bikes, lawn mowers, or motorized wheelchairs including mobility scooters.

1.4 This specification is not intended for units designed for "Adult Use Only" and that are prominently labeled and marked as such.

1.5 This specification is not intended for units designed or licensed for roadway use or regulated by transportation regulations (that is, Department of Transportation (DOT) or state).

1.6 The values given in SI units are to be considered as the standard. The values given in parentheses are for information only.

1.7 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

¹ This consumer safety specification is under the jurisdiction of ASTM Committee F15 on Consumer Products and is the direct responsibility of Subcommittee F15.58 on Powered Scooters & Skateboards.

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2. Referenced Documents

2.1 ASTM Standards:²

F963 Consumer Safety Specification for Toy Safety
F1928 Safety Guide for Consumer Recreational Use of Fun-Karts

F2007 Practice for Design, Manufacture, and Operation of Concession Go-Karts and Facilities

F2264 Consumer Safety Specification for Non-Powered Scooters

2.2 ANSI Standards:³

ANSI Z535.4 Standard for Product Safety Signs, Labels, etc.

ANSI Z535.6 Product Safety Information—Instructions

3. Terminology

3.1 Definitions of Terms Specific to This Standard:

3.1.1 *units, n*—manufactured recreational motorized transport devices as defined in Section 1.

4. Safety Instructions

4.1 Safety instructions shall be included with each unit and shall include, as appropriate for the unit, the following items.

4.1.1 Age and weight limit of the user.

4.1.2 Units shall not be modified from the manufacturer's original design and configuration.

4.1.3 Units shall not be operated to perform racing, stunt riding, or other maneuvers, which may cause loss of control, or may cause uncontrolled operator/passenger actions or reactions.

4.1.4 Persons shall be advised not to allow hands, feet, hair, body parts, clothing, or similar articles to come in contact with moving parts, wheels, or drivetrain, while the engine is running.

4.1.5 Before each cycle of operation, the operator shall perform the preoperation checks specified by the manufacturer:

4.1.5.1 That all guards and pads originally supplied by the manufacturer are in proper place and in serviceable condition;

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.

4.1.5.2 That the area that the unit is to be operated in is safe and suitable for safe operation;

4.1.5.3 That the braking system is functioning properly;

4.1.5.4 That all safety labels are in place and understood by the operator and any passenger;

4.1.5.5 That any and all axle guards, chain guards, or other covers or guards supplied by the manufacturer are in place and in serviceable condition; and

4.1.5.6 That tires are in good condition, inflated properly, and have sufficient tread remaining.

4.1.6 The owner shall allow the use and operation of the unit after a demonstration that such operators can understand and operate all components of the unit before use.

4.1.7 Operators shall adhere to all manufacturer's recommendations and instructions, as well as comply with all laws and ordinances:

4.1.7.1 Units without headlights shall be operated only with adequate daylight conditions of visibility, and

4.1.7.2 Owners shall be encouraged to highlight (for conspicuity) using lighting, reflectors, and for low-riding units, signal flags on flexible poles.

4.1.8 Persons with the following conditions shall be cautioned not to operate:

4.1.8.1 Those with heart conditions;

4.1.8.2 Pregnant women;

4.1.8.3 Persons with head, back, or neck ailments, or prior surgeries to those areas of the body; and

4.1.8.4 Persons with any mental or physical conditions that may make them susceptible to injury or impair their physical dexterity or mental capabilities to recognize, understand, and perform all of the safety instructions and to be able to assume the hazards inherent in unit use.

4.1.9 Operators always shall use appropriate protective clothing, including but not limited to a helmet, with appropriate certification, and any other equipment recommended by the manufacturer.

4.1.10 Components shall be maintained and repaired in accordance with the manufacturer's specifications and using only the manufacturer's authorized replacement parts with installation performed by dealers or other skilled persons.

4.1.11 Avoid sharp bumps, drainage grates, and sudden surface changes.

4.1.12 Avoid streets and surfaces with water, sand, gravel, dirt, leaves, and other debris. Wet weather impairs traction, braking, and visibility.

5. Maintenance Instructions

5.1 Manufacturers shall provide specifications and maintenance and repair instructions to the original purchaser and shall include, as appropriate for the unit and not be limited to, the following topics:

5.1.1 Brake adjustments and service;

5.1.2 Tire inflation pressures;

5.1.3 Lubrication points including recommended lubricants;

5.1.4 Drive system specifications and service instructions;

5.1.5 Frame inspection procedures;

5.1.6 Capacity by weight;

5.1.7 Maximum operating speeds;

5.1.8 Service and adjustment procedures for all components; and

5.1.9 A phone number to secure maintenance or operating assistance from the manufacturer.

6. Marking and Labeling

6.1 Name and place (city, state, and mailing address, including zip code) of business, manufacturer, importer, distributor, or seller shall be listed in the manual and on the retail box.

6.2 Model number, stock number, catalog number, item number, or other symbol expressed numerically, or otherwise shall be listed on the retail box (with placement on the product and manual optional).

6.3 Code mark or other means that identifies the date (month and year at a minimum) manufactured and model number shall be on the product (placement on the retail box or manual optional).

6.4 To prevent serious injury or death, each product shall have warning statements developed using ANSI Z535 as a guide. The warning statements shall be in contrasting color(s), permanent, conspicuous, and in sans serif style font.

6.4.1 In warning statements, the safety alert symbol "△" and the word "WARNING" shall not be less than 5 mm (0.2 in.) high. The remainder of the text shall be characters whose upper case shall be at least 2.5 mm (0.1 in.) high except as specified.

6.4.2 The product warning or caution statements shall, at a minimum, address the following concerns:

6.4.2.1 Age limit.

6.4.2.2 Adult supervision is required.

6.4.2.3 Always wear protective equipment such as helmet, knee pads, and elbow pads.

6.4.2.4 Always wear shoes.

6.4.2.5 Never use near motor vehicles.

6.4.2.6 Do not ride at night (as applicable).

7. Retail Box

7.1 Items 6.4.2.1 – 6.4.2.6 shall also be shown on retail box.

8. Keywords

8.1 labeling; pocket bikes; powered scooters; safety; safety instructions

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