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Standard Specification for Safety and Performance of Fun-Karts[1]

This standard is issued under the fixed designation F 2011; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

ϵ[1] NOTE—Titles were editorially added in Section 2 and figure reference was editorially corrected in Section 11.1.2 in December 2003.

1. Scope

1.1 This specification relates to the safety performance specifications for commercially manufactured fun-karts intended for private use, on suitable off-road terrain, by consumers.

1.2 This specification is intended to reduce hazards, other than those inherent in the sport of fun-karting, to the users of fun-karts during normal intended use by specifying performance standards of manufacturing.

1.3 This specification applies to fun-karts for private use and does not apply to concession, race, home-made, consumer-modified fun-karts, fun-karts that are pedal-powered, unpowered fun-karts, or fun-karts, which are used for commercial purposes.

1.4 This specification recognizes that there are operational hazards relating to fun-karts, which operators and passengers are deemed to have accepted by their use and operation of the fun-kart including, but not limited to, falling out, running into, through, under or over objects, upsetting the fun-kart, general operator recklessness, pinches, scratches, or bruises, or a combination thereof.

1.5 This specification does not cover labeling, maintenance, or use. For use and maintenance, see Safety Guide F 1928.

2. Referenced Documents

2.1 *ASTM Standards:*

F 1928 Safety Guide for Consumer Recreational Use of Fun-Karts[2]

2.2 *CPSA Document:*[3]

CFR 1303 Ban of Lead-Containing Paint

2.3 *FMVSS Standards:*[3]

FMVSS 571.209 Seat Belt Assemblies

2.4 *SAE Standard:*[4]

SAE J 386 Operator Restraint Systems for Off-Road Work Machines

2.5 *ANSI Standard:*[5]

ANSI/OPEI B71.1 Safety Specification for Power Lawn Tractors

3. Terminology

3.1 *Definitions of Terms Specific to This Standard:*

3.1.1 *axle guard*, *n*—a device that covers the drive axle on fun-karts so that the possibility of injury resulting from hand, hair, loose clothing, or body parts contacting the axle is reduced.

3.1.2 *brush bars*, *n*—any device supplied by the manufacturer intended to deflect loose vegetation from the path of the fun-kart operator, and passenger in two-seat fun-karts.

3.1.3 *control pedal pivot*, *n*—the center point about which the control pedal rotates. Excluded from this definition are any control device(s) attached to the pedal itself.

3.1.4 *deck plates*, *n*—a form of guarding through the use of relatively flat barriers to cover rotating components.

3.1.5 *engine stop switch*, *n*—a toggle switch, or other two-position positively engaging switch, which when activated causes the engine to stop or not operate, or both.

3.1.6 *engine throttle system*, *n*—the throttle mechanism attached to the engine, as provided by the engine manufacturer.

3.1.7 *fun-kart*, *n*—a motorized vehicle with four wheels, excluding vehicles which the operator, and passenger, if any, sit astride, sold commercially as consumer goods and intended for private personal recreational use by consumers for off-road use on suitable terrain, as recommended by the manufacturer, at maximum speeds over 12 mph (19.3 km/h) but not exceeding 40 mph (64.4 km/h).

3.1.8 *fun-kart accelerator system*, *n*—the mechanical system, that is, accelerator pedal, actuation rod or linkage, which is separate from the engine throttle system, and which is used to control the throttle position of the fun-kart engine.

3.1.9 *locking fastener*, *n*—includes prevailing torque locknuts, cotter pins, serrated surface lock nuts, pal nuts, safety

[1] This standard is under the jurisdiction of ASTM Committee F15 on Consumer Products and is the direct responsibility of Subcommittee F15.41 on Fun-Karts.

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[2] *Annual Book of ASTM Standards*, Vol 15.07.

[3] *Code of Federal Regulations*, available from U.S. Government Printing Office, Washington, DC 20402.

[4] Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

[5] Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036.

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