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List of Subjects in 49 CFR Part 571

Motor vehicle safety, Reporting and recordkeeping requirements, Tires, Incorporation by Reference.

PART 571—[AMENDED]

■ In consideration of the foregoing, NHTSA amends 49 CFR part 571 as set forth below.

■ 1. The authority citation for Part 571 continues 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 571.5 is amended by renumbering the current paragraph (b)(10) as (b)(11) and adding a new paragraph (b)(10), to read as follows:

§ 571.5 Matter incorporated by reference

* * * * *

(10) *Child Restraint Systems Seat Assembly Drawing Package.* Copies may be obtained by contacting: Leet-Melbrook, 18810 Woodfield Road, Gaithersburg, MD, 20879, telephone (301) 670-0090.

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■ 3. Section 571.213 is amended by:

■ a. Revising the definition of "child restraint system" in S4;

■ b. Adding S5(d);

■ c. Revising the introductory text of S5.1.2;

■ d. Adding S5.1.2.1 and S5.1.2.2;

■ e. Revising the table to S5.2.1.1(a);

■ f. Revising the introductory text of S5.2.1.2,

■ g. Revising S5.2.3.1 and S5.9(a);

■ h. Revising S6.1.1(a)(1), S6.1.1(b)(1) and S6.1.1(d), and the introductory text of S6.2.3;

■ i. Revising S7, and S9.1(c);

■ j. Adding S9.1(d), S9.1(e) and S9.1(f);

■ k. Revising S9.3, S10.2.1(b)(2), S10.2.1(c)(1)(i) introductory text, and S10.2.1(c)(2);

■ l. Revising Figure 1A; and,

■ m. Adding Figure 2A.

The revised and added text and figures read as follows:

§ 571.213 Standard No. 213, Child restraint systems.

* * * * *

S4. Definitions.

Child restraint system means any device, except Type I or Type II seat belts, designed for use in a motor vehicle or aircraft to restrain, seat, or position children who weigh 30 kilograms (kg) or less.

* * * * *

S5. Requirements.

* * * * *

(d) Each child restraint tested with a part 572 subpart N dummy that is weighted to weigh 28.2 kg need not meet S5.1.2 and S5.1.3.

* * * * *

S5.1.2 *Injury criteria.* When tested in accordance with S6.1 and with the test dummies specified in S7, each child restraint system manufactured before August 1, 2005, that, in accordance with S5.5.2, is recommended for use by children whose mass is more than 10 kg shall—

* * * * *

S5.1.2.1 When tested in accordance with S6.1 and with the test dummies specified in S7, each child restraint system manufactured on or after August 1, 2005 shall'

(a) Limit the resultant acceleration at the location of the accelerometer mounted in the test dummy head such that, for any two points in time, t1 and t2, during the event which are separated by not more than a 36 millisecond time interval and where t1 is less than t2, the maximum calculated head injury criterion (HIC36) shall not exceed 1,000, determined using the resultant head acceleration at the center of gravity of the dummy head, ar, expressed as a multiple of g (the acceleration of

gravity), calculated using the expression:

$$HIC = \left[\frac{1}{(t_2 - t_1)} \int_{t_1}^{t_2} a dt \right]^{2.5} (t_2 - t_1)$$

(b) The resultant acceleration calculated from the output of the thoracic instrumentation shall not exceed 60 g's, except for intervals whose cumulative duration is not more than 3 milliseconds.

S5.1.2.2 At the manufacturer's option (with said option irrevocably selected prior to, or at the time of, certification of the restraint), child restraint systems manufactured before August 1, 2005 may be tested to the requirements of S5 while using the test dummies specified in S7.1.2 of this standard according to the criteria for selecting test dummies specified in that paragraph. That paragraph specifies the dummies used to test child restraint systems manufactured on or after August 1, 2005. If a manufacturer selects the dummies specified in S7.1.2 to test its product, the injury criteria specified by S5.1.2.1 of this standard must be met. Child restraints manufactured on or after August 1, 2005 must be tested using the test dummies specified in S7.1.2.

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S5.2 Force distribution.

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S5.2.1.1 * * *

(a) * * *

TABLE TO S5.2.1.1(A)

Weight ¹	Height ² (mm)
Not more than 18 kg	500
More than 18 kg	560

¹When a child restraint system is recommended under S5.5 for use by children of the above weights.

²The height of the portion of the system seat back providing head restraint shall not be less than the above.

* * * * *

S5.2.1.2 The applicability of the requirements of S5.2.1.1 to a front-facing child restraint, and the conformance of any child restraint other than a car bed to those requirements, is determined using the largest of the test dummies specified in S7 for use in testing that restraint, provided that the 6-year-old dummy described in subpart I or subpart N of part 572 of this title is not used to determine the applicability of or compliance with S5.2.1.1. A front-facing child restraint system is not required to comply with S5.2.1.1 if the target point on either side