



SURFACE VEHICLE RECOMMENDED PRACTICE

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Cancelled 2017-01

Superseding J2419 MAR2003

Occupant Restraint System Evaluation -
Frontal Impact System-Level Heavy Trucks

RATIONALE

The recently published revision to SAE J2418 combined the content of SAE J2418 and SAE J2419. A separate recommended practice is no longer necessary.

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1. Scope—This SAE Recommended Practice describes the test procedures for conducting frontal impact restraint system tests for heavy truck applications. Its purpose is to establish recommended test procedures that will standardize restraint system testing for heavy trucks. Descriptions of the test set-up, test instrumentation, photographic/video coverage, and the test fixtures are included.

2. References

2.1 Applicable Publications—The following publications form a part of the specification to the extent specified herein. Unless otherwise indicated, the latest revision of SAE publications shall apply.

2.1.1 SAE PUBLICATIONS—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J211-1—Instrumentation for Impact Test—Part 1: Electronic Instrumentation

SAE J211-2—Instrumentation for Impact Test—Part 2: Photographic Instrumentation

SAE Engineering Aid 23—"Users' Manual for the 50th-Percentile Hybrid-III Test Dummy," June 1985

SAE CRP-9—"Heavy Truck Crashworthiness (Statistics, Accident Reconstruction, Occupant Dynamics Simulation)," March 1995

SAE CRP-13—"Heavy Truck Crashworthiness (Phase III)," April 1997

2.2 Other Publications

Code of Federal Regulations, Title 49, Part 571.208.

3. Test Dummies—For the dynamic tests described in the following sections, restraint systems should be evaluated with the aid of a test dummy. The test dummy should be of a type that will closely represent the size, weight, and articulation characteristics of a 50th percentile male in a seated position. An example of such a test dummy is the Hybrid-III 50th percentile male anthropomorphic test device. The physical characteristics of this dummy are described in SAE's Engineering Aid 23, "Users' Manual for the 50th Percentile Hybrid III Test Dummy," June 1985.