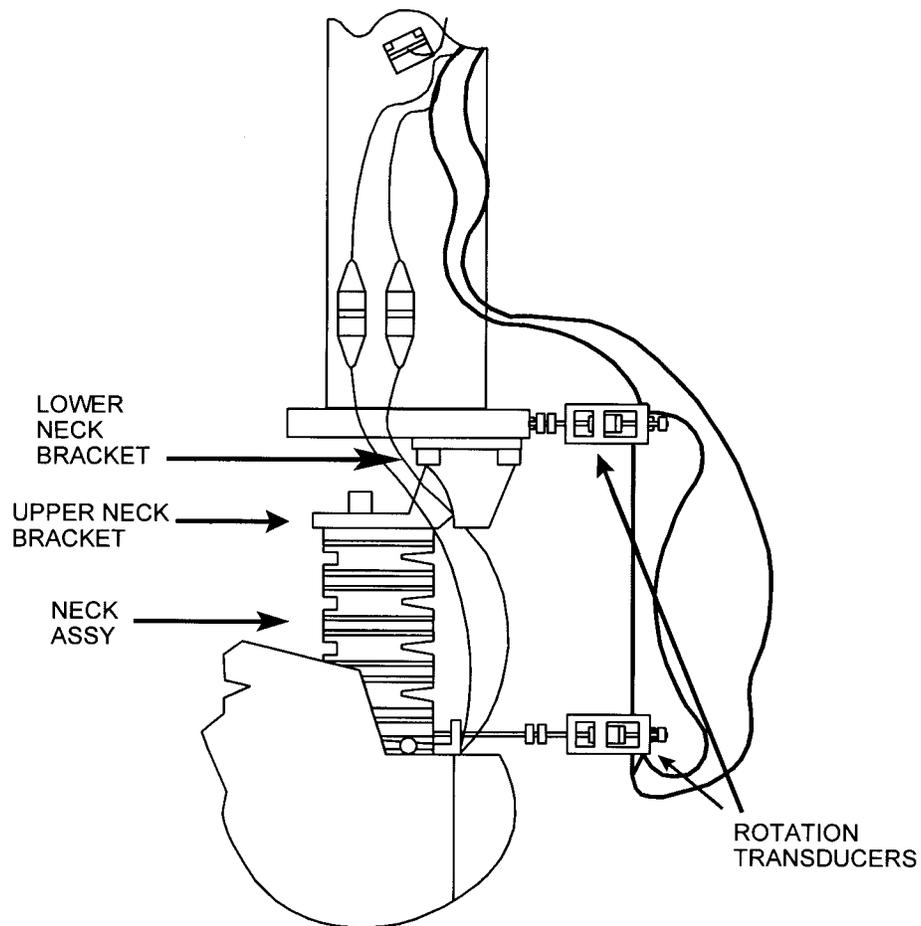


Figure 52
NECK PENDULUM TEST



§572.115 Lumbar spine and pelvis.

The specifications and test procedure for the lumbar spine and pelvis are identical to those for the SID dummy as set forth in §572.42 except that the reference to the SID device found in §572.42(a), (SA-SID-M001A revision A, dated May 18, 1994) does not apply and the reference to the SID/HIII (SA-

SIDH3-M001, dated April 19, 1997) is applied in its place.

§572.116 Instrumentation and test conditions.

(a) The test probe for lateral thoracic and pelvis impact tests are the same as those specified in §572.44(a).

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(b) Accelerometer mounting in the thorax is the same as specified in § 572.44(b).

(c) Accelerometer mounting in the pelvis is the same as specified in § 572.44(c).

(d) Head accelerometer mounting is the same as specified in § 572.36(c).

(e) Neck transducer mounting is the same as specified in § 572.36(d).

(f) Instrumentation and sensors used must conform to SAE Recommended Practice J211, March 1995, "Instrumentation for Impact Tests."

(g) The mountings for the spine, rib and pelvis accelerometers shall have no resonance frequency within a range of 3 times the frequency range of the applicable channel class.

(h) Limb joints of the test dummy shall be set at the force between 1 to 2 g's, which just supports the limb's weight when the limbs are extended horizontally forward. The force required to move a limb segment does not exceed 2 g's throughout the range of the limb motion.

(i) Performance tests must be conducted at a temperature between 20.6 and 22.2 degrees C. (69 to 72 degrees F.) and at a relative humidity between 10 percent and 70 percent after exposure of the dummy to those conditions for a period of at least four (4) hours.

(j) For the performance of tests specified in § 572.114 and § 572.115, the dummy is positioned the same as specified in § 572.44(h).

Subpart N—Six-year-old Child Test Dummy, Beta Version

SOURCE: 65 FR 2065, Jan. 13, 2000, unless otherwise noted.

§ 572.120 Incorporation by reference.

(a) The following materials are hereby incorporated into this subpart by reference:

(1) A drawings and inspection package entitled "Parts List and Drawings, Hybrid III Six-year-old Child Test Dummy (H-III6C, Beta Version) (June 2002)", consisting of:

(i) Drawing No. 127-1000, 6-year H3 Head Complete,

(ii) Drawing No. 127-1015, Neck Assembly,

(iii) Drawing No. 127-2000, Upper Torso Assembly,

(iv) Drawing No. 127-3000, Lower Torso Assembly,

(v) Drawing No. 127-4000-1 and 4000-2, Leg Assembly,

(vi) Drawing No. 127-5000-1 and 5000-2, Arm Assembly, and

(vii) The Hybrid III Six-year-old Child Parts/Drawing List.

(2) A procedures manual entitled "Procedures for Assembly, Disassembly, and Inspection (PADI) of the Hybrid III 6-year-old Child Crash Test Dummy (H-III6C), Beta Version, June 2002";

(3) SAE Recommended Practice J211-1995 Instrumentation for Impact Tests—Parts 1 and 2, dated March, 1995";

(4) SAE J1733 Information Report, titled "Sign Convention for Vehicle Crash Testing", dated December 1994.

(b) The Director of the Federal Register approved those materials incorporated by reference in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies of the materials may be inspected at NHTSA's Technical Reference Library, 400 Seventh Street SW., room 5109, Washington, DC, or at the Office of the Federal Register, 800 North Capitol Street, NW., Suite 700, Washington, DC.

(c) The incorporated materials are available as follows:

(1) The drawings and specifications package and the PADI document referred to in subparagraph (a) are accessible for viewing and copying at the Department of Transportation Docket's public area, Plaza 401, 400 Seventh St., SW., Washington, DC 20590, and may be downloaded from dms.dot.gov. They are also available from Reprographic Technologies, 9107 Gaither Rd, Gaithersburg, MD 200877, (301) 419-5070.

(2) The SAE materials referred to in paragraphs (a)(3) and (a)(4) of this section are available from the Society of Automotive Engineers, Inc., 400 Commonwealth Drive, Warrendale, PA 15096.

[65 FR 2065, Jan. 13, 2000, as amended at 67 FR 47327, July 18, 2002]