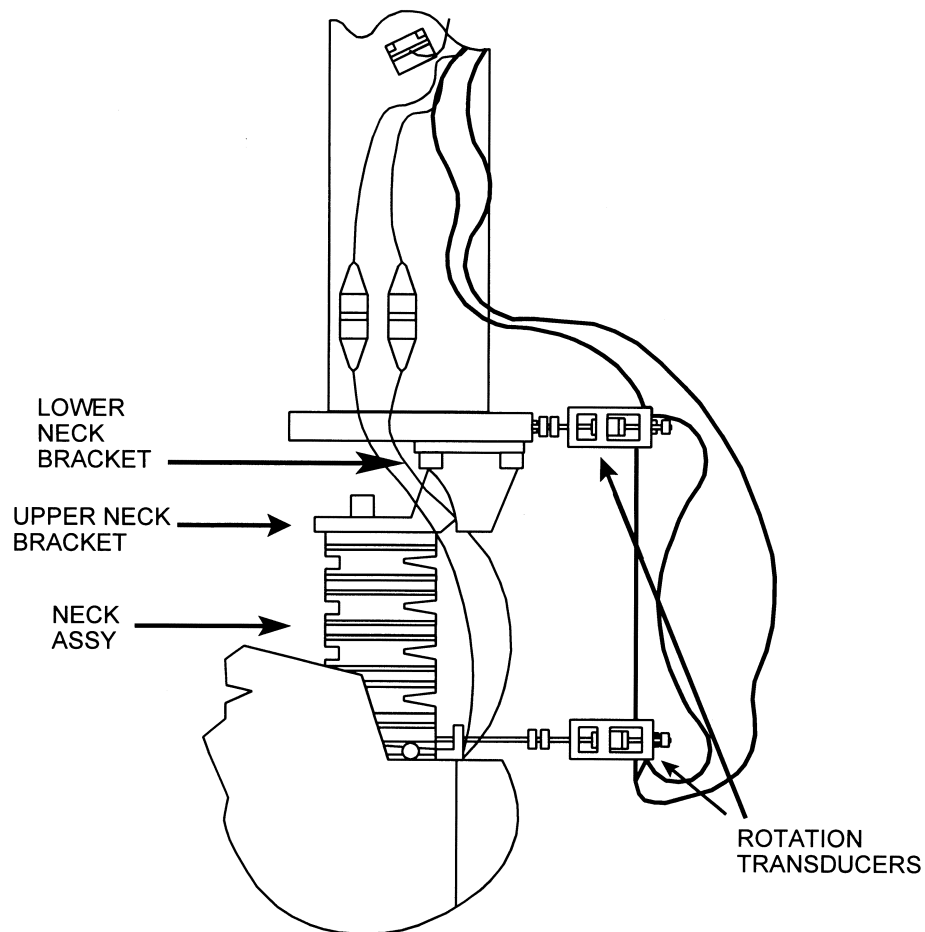


Figure 52
NECK PENDULUM TEST



§ 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).

(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, Part 572 Subpart N, Hybrid III Six-Year Old Child Crash Test Dummy (H-III6C, Beta Version), June 2009," consisting of:

(i) Drawing No. 127-1000, 6-year H3 Head Complete, incorporated by reference in § 572.122,

(ii) Drawing No. 127-1015, Neck Assembly, incorporated by reference in § 572.123,

(iii) Drawing No. 127-2000, Upper Torso Assembly, incorporated by reference in § 572.124,

(iv) Drawing No. 127-3000, Lower Torso Assembly, incorporated by reference in § 572.125,

(v) Drawing No. 127-4000-1 and 4000-2, Leg Assembly, incorporated by reference in § 572.126,

(vi) Drawing No. 127-5000-1 and 5000-2, Arm Assembly, incorporated by reference in §§ 572.121, 572.124, and 572.125 as part of a complete dummy assembly, and,

(vii) Parts List and Drawings, Hybrid III Six-year-old Child Test Dummy (H-III6C, Beta Version), dated June 1, 2009, incorporated by reference in § 572.121;

(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 1, 2009," incorporated by reference in § 572.121;

(3) SAE Recommended Practice J211-1995, "Instrumentation for Impact Tests—Parts 1 and 2, dated March, 1995," incorporated by reference in § 572.127;

(4) SAE J1733 Information Report, titled "Sign Convention for Vehicle Crash Testing," dated December 1994, incorporated by reference in § 572.127.

(b) The Director of the Federal Register approved the 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 the Department of Transportation, Docket Operations, Room W12-140, 1200 New Jersey Avenue, SE., Washington, DC 20590, telephone (202) 366-9826, and at the National Archives and Records Administration (NARA), and in electronic format through Regulations.gov. For information on the availability and inspection of this material at NARA, call 202-741-6030, or go to:

http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html. For information on the availability and inspection of this material at Regulations.gov, call 1-877-