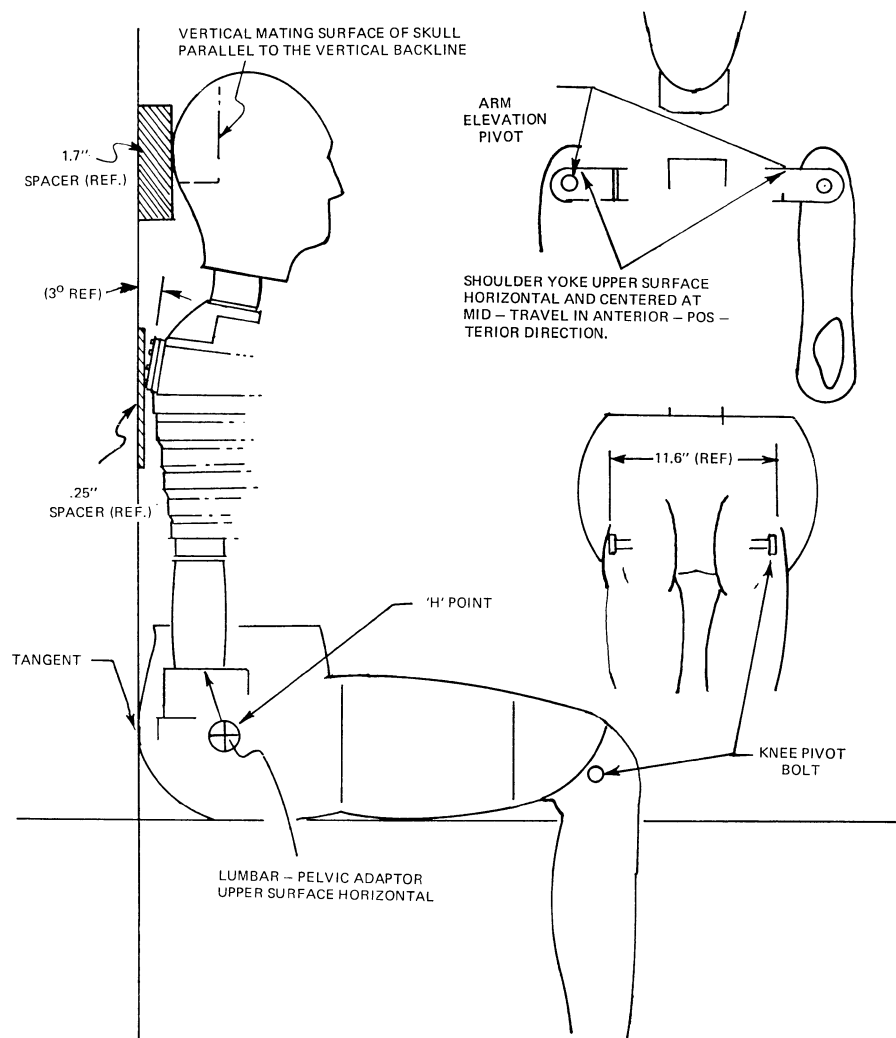


FIGURE No. 11

## UPRIGHT SEATED POSITION FOR LINEAR MEASUREMENTS



[38 FR 20451, Aug. 1, 1973, as amended at 42 FR 7153, Feb. 7, 1977]

**Subpart C—3-Year-Old Child**

SOURCE: 44 FR 76530, Dec. 27, 1979, unless otherwise noted.

**§ 572.15 General description.**

(a) The dummy consists of the component assemblies specified in drawing SA 103C 001, which are described in their entirety by means of approximately 122 drawings and specifications

and an Operation and Maintenance Manual, dated May 28, 1976. The drawings and specifications are grouped by component assemblies under the following thirteen headings:

SA 103C 010 Head Assembly  
SA 103C 020 Neck Assembly  
SA 103C 030 Torso Assembly  
SA 103C 041 Upper Arm Assembly Left  
SA 103C 042 Upper Arm Assembly Right  
SA 103C 051 Forearm Hand Assembly Left  
SA 103C 052 Forearm Hand Assembly Right  
SA 103C 061 Upper Leg Assembly Left  
SA 103C 062 Upper Leg Assembly Right  
SA 103C 071 Lower Leg Assembly Left  
SA 103C 072 Lower Leg Assembly Right  
SA 103C 081 Foot Assembly left  
SA 103C 082 Foot Assembly Right.

(b) The drawings, specifications, and operation and maintenance manual referred to in this regulation that are not set forth in full are hereby incorporated in this part by reference. These materials are thereby made part of this regulation. The Director of the Federal Register has approved the materials incorporated by reference. For materials subject to change, only the specific version approved by the Director of the Federal Register and specified in the regulation are incorporated. A notice of any change will be published in the FEDERAL REGISTER. As a convenience to the reader, the materials incorporated by reference are listed in the Finding Aid Table found at the end of this volume of the Code of Federal Regulations.

(c) The materials incorporated by reference are available for examination in Docket 78-09, Room 5109, Docket Section, National Highway Traffic Safety Administration, 400 Seventh Street SW., Washington, DC 20590. Copies may be obtained from Rowley-Scher Reprographics, Inc., 1216 K Street NW., Washington, DC 20005 ((202) 628-6667). The materials are also on file in the reference library of the Office of the Federal Register, National Archives and Records Administration, Washington, DC.

(d) Adjacent segments are joined in a manner such that throughout the range of motion and also under simulated crash-impact conditions there is no contact between metallic elements except for contacts that exist under static conditions.

(e) The structural properties of the dummy are such that the dummy conforms to this part in every respect both before and after being used in vehicle tests specified in Standard No. 213 of this chapter (§ 571.213).

(f) The patterns of all cast and molded parts for reproduction of the molds needed in manufacturing of the dummies can be obtained on a loan basis by manufacturers of the testes dummies, or others if need is shown, from: Office of Vehicle Safety Standards, National Highway Traffic Safety Administration, 400 Seventh Street SW., Washington, DC 20590.

[50 FR 25423, June 19, 1985]

#### § 572.16 Head.

(a) The head consists of the assembly designated as SA 103C 010 on drawing No. SA 103C 001, and conforms to either—

(1) Each item specified on drawing SA 103C 002(B), sheet 8; or

(2) Each item specified on drawing SA 103C 002, sheet 8.

(b) When the head is impacted by a test probe specified in § 572.21(a)(1) at 7 fps, then the peak resultant acceleration measured at the location of the accelerometer mounted in the headform according to § 572.21(b) is not less than 95g and not more than 118g.

(1) The recorded acceleration-time curve for this test is unimodal at or above the 50g level, and lies at or above that level for intervals:

(i) In the case of the head assembly specified in paragraph (a)(1) of this section, not less than 1.3 milliseconds and not more than 2.0 milliseconds;

(ii) In the case of the head assembly specified in paragraph (a)(2) of this section, not less than 2.0 milliseconds and not more than 3.0 milliseconds.

(2) The lateral acceleration vector does not exceed 7g.

(c) *Test procedure.* (1) Seat the dummy on a seating surface having a back support as specified in § 572.21(h) and orient the dummy in accordance with § 572.21(h) and adjust the joints of the limbs at any setting between 1g and 2g, which just supports the limbs' weight when the limbs are extended horizontally forward.