Nat'l Highway Traffic Safety Admin., DOT

Pt. 572, Subpt. P, Figs.

than 3 times the frequency range of the applicable channel class.
(o) Limb joints shall be set at 1G, barely restraining the weight of the limbs when they are extended horizontally. The force required to move a limb segment shall not exceed 2G throughout the range of limb motion.
(p) Performance tests of the same component, segment, assembly, or fully assembled dummy shall be separated in time by a period of not less than 30 minutes unless otherwise noted.
(q) Surfaces of dummy components are not painted except as specified in this part or in drawings subtended by this part.

FIGURES TO SUBPART P OF PART 572
Figure P1
HEAD DROP TEST SET-UP SPECIFICATIONS

HEAD SUSPENSION CABLES

QUICK RELEASE

HEAD ASSEMBLY (210-1000 REF.) WITH HEAD ACCELEROMETERS (210-0000 SHT. 3 OF 7 REF.)

1/2 NECK TRANSDUCER MASS SIMULATOR (TE-107-001 REF.)

D - PLANE PERPENDICULAR TO SKULL CAP/SKULL INTERFACE

90.0°

DROP HEIGHT
376 mm ± 1 mm (14.76 in ± .04 in)

62° ±1°

IMPACT SURFACE
Figure P2
NECK FLEXION TEST SET-UP SPECIFICATIONS

NOTE: MOUNT NECK AT LEADING EDGE OF PENDULUM TO AVOID INTERFERENCE WITH HEADFORM MOTION. PENDULUM SHOWN IN VERTICAL ORIENTATION.
Figure P3
NECK EXTENSION TEST SET-UP SPECIFICATIONS

NOTE: MOUNT NECK AT LEADING EDGE OF PENDULUM TO AVOID INTERFERENCE WITH HEADFORM MOTION.
PENDULUM SHOWN IN VERTICAL ORIENTATION.
Figure P4

THORAX IMPACT TEST SET-UP SPECIFICATIONS

NOTES:
1) MIDDLE RIB LEVEL ± 1°
2) MIDSAGITTAL PLANE VERTICAL WITHIN ±1°
3) IMPACT POINT OF LONGITUDINAL CENTERLINE OF PROBE COINCIDES WITH MIDSAGITTAL
   PLANE OF DUMMY.
4) ALIGN PROBE TO CENTER OF MIDDLE RIB ±2.5mm (0.1in) WITHIN 0.5° OF HORIZONTAL PLANE.
5) UPPER BACK PLATE OF SPINE BOX AT 90° ±1° FROM HORIZONTAL

* 1/3 WEIGHT OF PROBE SUPPORT CABLES AND THEIR ATTACHMENTS TO THE IMPACT PROBE NOT TO EXCEED 5% OF THE TOTAL IMPACT PROBE WEIGHT.