Figure U1
NECK/LUMBAR SPINE ATTACHED TO HEADFORM

MOUNTING BASE, LOWER (PART #175-9027),
FASTEN TO TOP OF LUMBAR SPINE USING
(3) 1/4-20 x 1 SHCS
OR
FASTEN TO BASE OF NECK USING (4) M6 x 40 SHCS

LUMBAR SPINE (PART #175-5500)
OR
NECK ASSEMBLY (PART #175-2000)

(4) M6 x 20.5 SHCS

NECK AND LUMBAR SPINE MOUNTING BASE
(PART #175-9029)
FASTEN TO BASE OF SPINE
OR
FASTEN TO TOP OF NECK USING (4) M6 x 12 SHCS

ES-2rc HEADFORM ASSEMBLY
(PART #175-9000)
Figure U2-B

ANGLE MEASUREMENTS WITH HEADFORM SET-UP

Pendulum Base Plate

Fore Base Angle Pot Assembly

Aft Base Angle Pot Assembly

Headform Flexion Angle Equation:
\[ \beta = d\theta_a + d\theta_c \]

Where:
- \( d\theta_a \) = Change in Fore Base Angle
- \( d\theta_c \) = Change in Headform Angle

Headform (Part #175-9000)
Figure U3
SHOULDER IMPACT

Figure U4
THORAX IMPACT

RIB DETAIL
(REF. DWO. 175-4004)
Figure U5
ABDOMEN IMPACT

PART 572 SUBPART E PENDULUM
PENDULUM HORIZONTAL AT IMPACT ±0.5°

ARRMS HORIZONTAL
THORAX VERTICAL ±2°

LEG HORIZONTAL
TWO SHEETS OF 2mm THICK PTFE (TEFLON®)

SEE FIGURE U5-A
100 +5mm
ANKLE-TO-ANKLE.
Figure U5-A
ABDOMEN IMPACT - VIEW A

ABDOMEN TEST SET-UP
Figure U6

PELVIS IMPACT

- ANKLE-TO-ANKLE: ±5mm
- PENDULUM CENTERLINE ALIGNED WITH H-POINT CENTER ±5mm
- PENDULUM HORIZONTAL AT IMPACT ±0.5°
- PART 572 SUBPART E PENDULUM
- ARMS HORIZONTAL
- LEGS HORIZONTAL
- THORAX VERTICAL ±2°
- TWO SHEETS OF 2mm THICK PTFE (TEFLON)
Subpart V, SID–IIISD Side Impact Crash Test Dummy, Small Adult Female

Source: 71 FR 75370, Dec. 14, 2006, unless otherwise noted.

§ 572.190 Incorporated materials.

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

(1) A parts/drawing list entitled, “Parts/Drawings List, Part 572 Subpart V, SID–IIISD, July 1, 2008,”

(2) A drawings and inspection package entitled “Drawings and Specifications for the SID–IIISD Small Female Crash Test Dummy, Part 572 Subpart V, July 1, 2008,” consisting of:

(i) Drawing No. 180–0000, SID–IIISD Complete Assembly;

(ii) Drawing No. 180–1000, 6 Axis Head Assembly;

(iii) Drawing No. 180–2000, Neck Assembly;