FIGURE VI
NECK ATTACHED TO HEADFORM ASSEMBLY

NECK MOUNTING PLATE
(PART #180-9058)

USE (4) #10-24 x 5/8 SHCS

NECK ASSEMBLY
(PART #180-2000)

(4) 1/4-28 x 1/2 SHCS

6 AXIS UPPER
NECK LOAD CELL
(SA572-511)

HEADFORM FRONT DISK
(PART #180-9061)

HEADFORM ANGLE POT ASSEMBLY

HEADFORM ASSEMBLY
(PART #180-9000)
FIGURE V2-A
NECK/HEADFORM ATTACHED TO PENDULUM FOR LEFT-SIDE IMPACT

PENDULUM
(REF. FIG. 22
CFR 49 § 572-33)

NECK
MOUNTING
PLATE
(PART #180-9058)

FORE/OUTER ANGLE
POT ASSEMBLY
(CONNECT TO
HEADFORM
ANGLE POT)

AFT/INNER ANGLE
POT ASSEMBLY

BIB SIMULATOR
(PART #180-3006)

NECK
ASSEMBLY
(PART #180-2000)

HEADFORM
ASSEMBLY
(PART #180-9000)
FIGURE V2-B
NECK/HEADFORM ATTACHED TO PENDULUM
FOR RIGHT-SIDE IMPACT

PENDULUM
REF. FIG. 22
CFR 49 § 572.33

NECK MOUNTING
PLATE
(PART #180-9058)

FORE/OUTER ANGLE
POT ASSEMBLY
(CONNECT TO
HEADFORM
ANGLE POT)

AFT/INNER ANGLE
POT ASSEMBLY

BIB SIMULATOR
(PART #180-3006)

NECK
ASSEMBLY
(PART #180-2000)

HEADFORM
ASSEMBLY
(PART #180-9000)
FIGURE V2-C
ANGLE MEASUREMENT WITH HEADFORM SET-UP

HEADING LATERAL TRANSLATION-ROTATION (β)
CALCULATION:

β = Δθ_{outer} + Δθ_{head}

WHERE β IS THE TOTAL ROTATION OF THE HEADFORM,
Δθ_{outer} IS THE CHANGE IN ANGLE MEASURED
BY THE OUTER POTENTIOMETER, AND
Δθ_{head} IS THE CHANGE IN ANGLE MEASURED
BY THE HEADFORM POTENTIOMETER.

(THE棒 OF THE OUTER POTENTIOMETER ASSEMBLY IS
FIXED VIA SET SCREWS TO THE HEADFORM POTENTIOMETER.)
FIGURE V3
CERTIFICATION BENCH

FIGURE V4-A
SHOULDER IMPACT

* 1/3 OF CABLE WEIGHT NOT TO EXCEED 5% OF THE TOTAL IMPACTOR PROBE WEIGHT
**FIGURE V6-B**

**THORAX WITHOUT ARM IMPACT**

*(NON-IMPACT SIDE VIEW)*

- Align upper and lower neck brackets so top edges are flush
- Lower neck bracket (Part #180-3815)
- Shoulder rib mount (Part #180-3352)
- Jacket installed (transparent for clarity)
- Pants installed

**FIGURE V7-A**

**ABDOMEN IMPACT**

- Impactor support cables
- Impact probe weight including all instrumentation and 1/3 of cable weight: 13.97 ± 0.23 kg
- 5 of probe (within 2 mm of a between abdominal rib)
- Outermost pelvic flesh 5 ± 3 mm from edge of seat
- Hips touching surface
- 1/3 of cable weight not to exceed 5% of the total impact probe weight

- Lower neck bracket (Part #180-3815)
- Shoulder yoke assembly (Part #180-3327)
- Jacket and pants installed
- Feet vertical
- Support surface

Knees as close together as possible
FIGURE V8-B
ACETABULUM IMPACT
(NON-IMPACT SIDE VIEW)

ALIGN UPPER AND LOWER NECK BRACKETS SO TOP EDGES ARE Flush
LOWER NECK BRACKET
(PART #180-3813)
SHOULDER RIB MOUNT
(PART #180-3352)

24.6" 42"
TOP OF SHOULDER RIB MOUNT 24.6" 42"
RELATIVE TO HORIZONTAL

NO JACKET OR PANTS INSTALLED

FIGURE V9-A
ILIAC IMPACT

LOWER NECK BRACKET HORIZONTAL 41°
KNEES AS CLOSE TOGETHER AS POSSIBLE
MASKING TAPE** AS REQUIRED TO HOLD DUMMY IN POSITION

ILIAC IMPACT PROBE P2 (PART #180-9809)
IMPACT PROBE WEIGHT INCLUDING ALL INSTRUMENTATION AND 1/3 OF CABLE WEIGHT ≤ 13.97 ±0.238 kg
1/3 OF PROBE WEIGHT ALIGNED WITH 1/3 OF Iliac LOAD CELL ACCESS HOLE
ARM IN LOWEST DETENT
NO JACKET
NO PANTS INSTALLED

FEET IN FULL DORSIFLEXION

ILIAC LOAD CELL ACCESS HOLE
PELVIS PLUG (PART #180-44590)
MUST BE INSTALLED

*1/3 OF CABLE WEIGHT NOT TO EXCEED 5% OF THE TOTAL IMPACTOR WEIGHT
** ALTERNATIVELY, A MATERIAL WITH A MAXIMUM STATIC BREAKING STRENGTH OF 311 N (70 LBF) MAY BE USED TO SUPPORT THE DUMMY IN POSITION
PART 573—DEFECT AND NON-COMPLIANCE RESPONSIBILITY AND REPORTS

Sec. 573.1 Scope.

(a) This part sets forth the responsibilities of manufacturers of motor vehicles and motor vehicle equipment with respect to safety-related defects and noncompliances with Federal motor vehicle safety standards, and specifies requirements for—

(1) Manufacturers to maintain lists of owners, purchasers, dealers, and distributors notified of defective and noncompliant motor vehicles and motor vehicle equipment, and

(2) Reporting to the National Highway Traffic Safety Administration (NHTSA) defects in motor vehicles and motor vehicle equipment and noncompliances with motor vehicle safety standards prescribed under part 571 of this chapter.

(b) This part also contains provisions for the reporting of sales of defective or noncompliant motor vehicles and motor vehicle equipment, and for the prohibition on the sale or lease of new and used defective and noncompliant motor vehicles.