FIGURE V1
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-S11)
- HEADFORM FRONT DISK (PART #180-9061)

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

DIRECTION OF MOTION

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
FIGURE V2-C
ANGLE MEASUREMENT WITH HEADFORM SET-UP

HEAD FORM LATERAL
TRANSLATION-ROTATION (β)
CALCULATION:

\[ β = \Delta θ_{\text{outer}} + \Delta θ_{\text{head}} \]

WHERE β IS THE TOTAL ROTATION OF THE
HEADFORM,

\( \Delta θ_{\text{outer}} \) IS THE CHANGE IN ANGLE MEASURED
BY THE OUTER POTENTIOMETER, AND

\( \Delta θ_{\text{head}} \) IS THE CHANGE IN ANGLE MEASURED
BY THE HEADFORM POTENTIOMETER.

(THE ROD 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 V4-B
SHOULDER IMPACT
(NON-IMPACT SIDE VIEW)

ALIGN UPPER AND LOWER NECK BRACKETS SO TOP EDGES ARE PLUMB
LOWER NECK BRACKET
(PART #180-3815)
SHOULDER RIB MOUNT
(PART #180-3352)

JACKET INSTALLED
(TRANSPARENT FOR CLARITY)
PANTS INSTALLED

TOP OF SHOULDER RIB MOUNT 24.6° x 2° RELATIVE TO HORIZONTAL

FIGURE V5-A
THORAX WITH ARM IMPACT

IMPACTOR SUPPORT CABLES
IMPACT PROBE WEIGHT INCLUDING ALL INSTRUMENTATION AND 1/3 OF CABLE WEIGHT 13.97 ± 0.24 kg

120.70 ± 25.40 mm DIAMETER FACE
LOWER NECK BRACKET HORIZONTAL ± 1°
KNEES AS CLOSE TOGETHER AS POSSIBLE

OUTERMOST PEYLC FLESH 15 ± 5.0 mm FROM EDGE OF SEAT
IMPACTOR HORIZONTAL AT IMPACT ± 1°

21.60° FEET VERTICAL
HEELS TOUCHING SURFACE
24.6°

LOWER NECK BRACKET
(PART #180-3815)
(SHOLDRED YOKE ASSEMBLY
(PART #180-3327)
ARM IN LOWEST DETENT

6% OF PROBE CONCIDENT WITH A LINE PARALLEL TO THE SEAT BACK INCLINE PASSING THROUGH THE CENTER OF THE SHOULDER YOKE ASSEMBLY SUPPORT SURFACE

1/3 OF CABLE WEIGHT NOT TO EXCEED 5% OF THE TOTAL IMPACT PROBE WEIGHT
**FIGURE V8-B**

ACETABULUM IMPACT
(NON-IMPACT SIDE VIEW)

- Align upper and lower neck brackets so top edges are flush.
- Lower neck bracket (PART #188-3153)
- Shoulder rib mount (PART #188-3352)
- Upper neck bracket (PART #180-2006)
- No jacket or pants installed
- Top of shoulder rib mount 24.5° relative to horizontal

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**FIGURE V9-A**

ILIAC IMPACT

- Lower neck bracket horizontal ± 6°
- Knees as close together as possible
- Masking tape as required to hold dummy in position
- Iliac impact probe face (PART #180-9909)
- Shoulder yoke assembly (PART #180-3327)
- Iliac load cell access hole
- Impactor horizontal at impact ±1°
- Feet in full dorsiflexion
- Iliac load cell access hole
- Pelvis plug (PART #180-6459)

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*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 lb) may be used to support the dummy in position.
§ 573.1 Scope.

This part:

(a) Sets forth the responsibilities under 49 U.S.C. 30116-30121 of manufacturers of motor vehicles and motor vehicle equipment with respect to safety-related defects and noncompliances with Federal motor vehicle safety standards in motor vehicles and items of motor vehicle equipment; and

(b) Specifies requirements for—

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

(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, and

73.16 Reporting bankruptcy petition.


Source: 43 FR 60169, Dec. 26, 1978, unless otherwise noted.