APPENDIX A TO SUBPART V OF PART 572—FIGURES

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

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

HEAD FORM 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 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 V8-B
ACETABULUM IMPACT
(NON-IMPACT SIDE VIEW)

ALIGN UPPER AND LOWER NECK BRACKETS SO TOP EDGES ARE FLUSH
LOWER NECK BRACKET (PART #180-3163)
SHOULDER RIB MOUNT (PART #180-3352)

24.8° 42'
TOP OF SHOULDER RIB MOUNT 24.8° 42' RELATIVE TO HORIZONTAL

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 FACE (PART #180-9900)
SHOULDER YOKE ASSEMBLY (PART #180-3327)
IMPACT PROBE WEIGHT INCLUDING 1/2 OF CABLE WEIGHT 13.97 ± 0.230 kg
E OF PROBE ALIGNED WITH E OF Iliac LOAD CELL ACCESS HOLE
IMPACTOR HORIZONTAL AT IMPACT 41°

*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

FEET IN FULL DORSIFLEXION
ILIAC LOAD CELL ACCESS HOLE
PELVIS PLUG (PART #180-4450) MUST BE INSTALLED

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§ 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 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

573.16 Reporting bankruptcy petition.


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

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