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)

HEADFORM ASSEMBLY (PART #180-9000)

6 AXIS UPPER NECK LOAD CELL (SA572-S11)
HEADFORM FRONT DISK (PART #180-9061)

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

DIRECTION OF MOTION
FIGURE V2-B
NECK/HEADFORM ATTACHED TO PENDULUM
FOR RIGHT-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-C
ANGLE MEASUREMENT WITH HEADFORM SET-UP

HEAD FORM LATERAL
TRANSLATION-ROTATION (θ)
CALCULATION:

θ = Δθ outer + Δθ head

WHERE θ 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)

HEADFORM ANGLE
POT ASSEMBLY

HEADFORM ASSEMBLY
(PART #180-9000)
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 V7-B
ABDOMEN IMPACT
(NON-IMPACT SIDE VIEW)
ALIGN UPPER AND LOWER NECK BRACKETS SO TOP EDGES ARE FLUSH
LOWER NECK BRACKET (PART #180-3151)
SHOULDER RIB MOUNT (PART #180-3152)
JACKET INSTALLED (TRANSPARENT FOR CLARITY)
PANTS INSTALLED
TOP OF SHOULDER RIB MOUNT 24.6° ± 2° RELATIVE TO HORIZONTAL

FIGURE V8-A
ACETABULUM IMPACT
IMPACTOR SUPPORT CABLES
LOWER NECK BRACKET HORIZONTAL ±1°
KNEES AS CLOSE TOGETHER AS POSSIBLE
*1/3 OF CABLE WEIGHT NOT TO EXCEED 5% OF THE TOTAL IMPACT PROBE WEIGHT
IMPACTOR HORIZONTAL IMPACT
120.9° ± 2.5° DIAMETER FACE
IMPACT PROBE WEIGHT INCLUDING ALL INSTRUMENTATION AND 1/3 OF CABLE WEIGHT *(3.97 ± 0.23kg)
6° OF PROBE WITHIN 2mm OF 1/3 OF ACETABULUM LOAD CELL SCREW (1/4-20 x 1/2 PHILLIPS)
NO JACKET NO PANTS INSTALLED
FEET VERTICAL
SUPPORT SURFACE
PELVIS PLUG (PART #180-4455)
OUTERMOST PELVIC FLESH 25 ± 2mm FROM EDGE OF SEAT
FEET VERTICAL
SUPPORT SURFACE
SHOULDER YOKE ASSEMBLY (PART #180-3171)
LOWER NECK BRACKET (PART #180-3151) (SEE FIGURE V8B)
ARM IN LOWEST DENTENT
FIGURE V8-B
ACETABULUM IMPACT
(NON-IMPACT SIDE VIEW)
ALIGN UPPER AND LOWER
NECK BRACKETS SO TOP
EDGES ARE FLUSH
LOWER NECK BRACKET
(PART #180-315)
SHOULDER RIB MOUNT
(PART #180-3352)

FIGURE V9-A
ILIAC IMPACT

LOWER NECK
BRACKET
HORIZONTAL 41°

INSTRUMENTS
ALIGNED WITH
E OF Iliac LOAD
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 LBS) MAY BE USED TO SUPPORT THE DUMMY IN POSITION

NO JACKET OR
PANTS INSTALLED

24.6° 42°
TOP OF SHOULDER
RIB MOUNT 24.6° 42°
RELATIVE TO
HORIZONTAL
§ 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 original and replacement 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


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