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

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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 (\(\beta\))
CALCULATION:
\(\beta = \Delta \theta_{\text{outer}} + \Delta \theta_{\text{head}}\)
WHERE \(\beta\) IS THE TOTAL ROTATION OF THE HEADFORM,
\(\Delta \theta_{\text{outer}}\) IS THE CHANGE IN ANGLE MEASURED BY THE OUTER POTENTIOMETER, AND
\(\Delta \theta_{\text{head}}\) 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 FL1330.
- Lower neck bracket (PART #180-3815).
- Shoulder rib mount (PART #180-3322).
- Jacket installed (transparent for clarity).
- Pants installed.

**FIGURE V5-A**

**THORAX WITH ARM IMPACT**

- Impactor support cables.
- Impact probe weight including all instrumentation and 1/3 of cable weight: 13.97 ± 0.12 kg.
- Impact probe within 2 mm of 1/3 of second thoracic rib.
- Shoulder yoke assembly (PART #180-3327).
- Arm in lowest detent.
- Lower neck bracket (PART #180-3815) (see Figure V5B).
- Jacket and pants installed 6 of probe coincident 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)

ALIGNED UPPER AND LOWER NECK BRACKETS SO TOP EDGES ARE FLUSH

LOWER NECK BRACKET (PART #180-3153)

SHOULDER RIB MOUNT (PART #180-3352)

NO JACKET OR PANTS INSTALLED

**FIGURE V9-A**

**ILIAC IMPACT**

LOWER NECK BRACKET (PART #180-3153) 

SHOULDER YOKE ASSEMBLY (PART #180-3327)

IMPACTOR WEIGHT INCLUDING ALL INSTRUMENTATION AND 1/5 OF CABLE WEIGHT * 13.97 ± 0.236 kg

* 5 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
§ 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 original and replacement equipment.

573.16 Reporting bankruptcy petition.


EFFECTIVE DATE NOTE: At 78 FR 51421, Aug. 20, 2013, Revise the authority citation for part 573 was revised, effective Oct. 21, 2013. For the convenience of the user, the revised text is set forth as follows:


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