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 Angle Pot Assembly

150
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

DIRECTION OF MOTION

HEAD FORM LATERAL TRANSLATION-ROTTINATION \( \beta \)
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 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
(TANGENT FOR
CLARITY)

PANTS INSTALLED

24.6° ± 2°

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

FIGURE V7-A
ABDOMEN IMPACT

5% OF CABLE WEIGHT NOT TO EXCEED 5% OF THE TOTAL IMPACT PROBE WEIGHT

* 3/5 OF CABLE WEIGHT NOT TO EXCEED 5% OF THE TOTAL IMPACT PROBE WEIGHT

OUTERMOST
PELVIC FLESH
15 ± 10mm FROM
EDGE OF SEAT

IMPACT PROBE
WEIGHT INCLUDING
ALL INSTRUMENTATION
AND 1/3 OF CABLE WEIGHT

13.97 ± 0.23kg

4 OF PROBE
WITHIN 2mm OF
A LINE PARALLEL
TO THE SEAT BACK
INCLUDING PASSING
THROUGH THE CENTER
OF THE SHOULDER
YOKE ASSEMBLY

LOWER NECK
BRACKET
(PART #180-3815)

HEELS TOUCHING
SURFACE

SHOULDER
YOKE ASSEMBLY
(PART #180-3327)

JACKET AND PANTS
INSTALLED

FEET VERTICAL

21.5° ± 2°

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FIGURE V8-B
ACETABULUM IMPACT
(NON-IMPACT SIDE VIEW)

ALIGN UPPER AND LOWER NECK BRACKETS SO TOP EDGES ARE FLUSH
LOWER NECK BRACKET (PART 572-3615)
SHOULDER RIB MOUNT (PART 572-3352)

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 FACE (PART 572-3800)
SHOULDER YOKE ASSEMBLY
ILIAC IMPACT PROBE WEIGHT INCLUDING ALL INSTRUMENTATION AND 1/3 OF CABLE WEIGHT = 13.97 ± 0.23 kg
1/3 OF BASE 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 572-4550) 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 LB) MAY BE USED TO SUPPORT THE DUMMY IN POSITION
PART 573—DEFECT AND NON-COMPLIANCE RESPONSIBILITY AND REPORTS

Sec. 573.1 Scope.

573.2 Purpose.

573.3 Application.

573.4 Definitions.

573.5 Defect and noncompliance responsibility.

573.6 Defect and noncompliance information report.

573.7 Quarterly reports.

573.8 Lists of purchasers, owners, dealers, distributors, lessors and lessees.

573.9 Address for submitting required reports and other information.

573.10 Reporting the sale or lease of defective or noncompliant tires.

573.11 Prohibition on sale or lease of new defective and noncompliant motor vehicles and items of replacement equipment.

573.12 Prohibition on sale or lease of new and used defective and noncompliant motor vehicle equipment.

573.13 Reimbursement for prenotification remedies.

573.14 Accelerated remedy program.


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

§ 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