the initial torso orientation angle may not exceed 32 degrees.


§ 572.166 Knees and knee impact test procedure.

The knee assembly is assembled and tested as specified in 49 CFR 572.126 (Subpart N).

§ 572.167 Test conditions and instrumentation.

The test conditions and instrumentation are as specified in 49 CFR 572.127 (Subpart N).
FIGURE S1
THORAX IMPACT TEST SET-UP SPECIFICATIONS

- IMPACT PROBE SUPPORT CABLES
- PENDULUM ACCELEROMETER MOUNTED WITH SENSITIVE AXIS PARALLEL TO PENDULUM LONGITUDINAL CENTERLINE
- ALL RIBS HORIZONTAL
- CENTERLINE OF IMPACT PROBE IS 12.7±1mm (0.5±0.04in) BELOW HORIZONTAL CENTERLINE OF THIRD RIB
- IMPACT PROBE WEIGHT INCLUDING ALL INSTRUMENTATION AND 1/3 OF SUPPORT CABLE WEIGHT*
  2.86±0.02 kg (6.3±0.05 lb)
- COMPLETE ASSEMBLY (167-0000)
- PELVIC ANGLE ** 8° ±1° FROM HORIZONTAL (127-3012)

* 1/3 CABLE WEIGHT NOT TO EXCEED 5% OF THE TOTAL IMPACT PROBE WEIGHT
** PELVIS LUMBAR JOINING SURFACE