



Section 3.16 – changed the assembly instructions for the pin that holds the optional displacement potentiometer displacement rod to the slider from “tightened reasonably” to “tight”

Section 3.17 – corrected an error in lumbar cable torque from “1.2 to 1.4 N·m” in EA-23 to “1.1 to 1.4 N·m”

Section 3.17 – corrected inconsistency in terminology from “chest jacket” in EA-23 to “chest flesh”

Section 3.18 – added title “CENTERS OF GRAVITY” to Table 2

Section 3.18 – revised headers of Table 2 consistent with SAE format guidelines

Section 3.18 – corrected Center of Gravity Location for the foot in Table 2 from “2.30” inches along the X-axis in EA-23 to “2.20” inches. The metric dimension was correct

Section 3.18 – corrected Center of Gravity Location for the foot in Table 2 from “-52.7” mm and “-2.20” inches along the Z-axis in EA-23 to “-53.3” mm and “-2.10” inches

Section 4.1 (A) – corrected inconsistency in terminology from “chest skin” in EA-23 to “chest flesh”

Section 4.1 (C) – changed from “Torque the two spine cables to 1.1 N·m (10 in·lbf)” in EA-23 to “Torque the two lumbar cables to 1.1 to 1.4 N·m (10 to 12 in·lbf)” to be consistent with Section 3.17

Section 4.1 (L) – corrected inconsistency in terminology from “chest skin” in EA-23 to “chest flesh”

Section 4.2 (A) – corrected inconsistency in terminology in Table 4 from “Upper Torso Assembly with Torso Jacket” in EA-23 to “Upper Torso Assembly with Chest Flesh”

Section 4.2 (A) – corrected description of Lower Torso Assembly in Table 4 from “(includes femurs and their lower lumbar adapting plate)” in EA-23 to “(includes femurs and lower lumbar adapting plate)”

Section 4.2 (A) – corrected mass of Upper Arm Assembly, Left and Upper Arm Assembly, Right in Table 4 from “4.4 ± 0.1” lb and “2.00 ± 0.05” kg in EA-23 to “4.4 ± 0.2” lb and “2.00 ± 0.09” kg in SAE J2856

Section 4.2 (A) – corrected terminology in Table 4 from “Total Dummy Weight” in EA-23 to “Total Dummy Mass”

Section 4.3 (E) 1 – changed torque specification for skull cap screws from “18 N·m (160 in·lbf)” to “18 N·m minimum (160 in·lbf minimum)”

Section 4.3 (E) 2 – changed environment temperature for head drop test from “18.9 to 25.6 °C (66 to 78 °F)” to “20.6 to 22.2 °C (69 to 72 °F)”

Section 4.4 (E) 3 – added title “PENDULUM IMPULSE FOR THE NECK FLEXION TEST” to Table 5

Section 4.4 (F) 3 – added title “PENDULUM IMPULSE FOR THE NECK EXTENSION TEST” to Table 6

Section 4.5 (A) – corrected inconsistency in terminology from “vest and panty” in EA-23 to “shirt and pants”

Section 4.5 (B) – updated the test probe description to include “the mass of rigid attachments and the lower 1/3 of the suspension cable mass”

Section 4.5 (C) – changed the filter channel class for the thorax impact test from “Filter all data channels using Channel Class 180 phaseless filters” in EA-23 to “Filter pendulum force using a Channel Class 180 phaseless filter and chest deflection using a Channel Class 600 phaseless filter” for consistency with SAE J211-1

Section 4.5 (D) 1 – corrected inconsistency in terminology from “chest skin” in EA-23 to “chest flesh”

Section 4.5 (D) 1 – changed from “Torque the spine cables to 1.2 to 1.4 N·m (10 to 12 in·lbf)” in EA-23 to “Torque the two lumbar cables to 1.1 to 1.4 N·m (10 to 12 in·lbf)” to be consistent with Section 3.17

Section 4.5 (D) 6 – corrected inconsistency in terminology from “chest skin” in EA-23 to “chest flesh” in two places

Section 4.5 (D) 7 – corrected inconsistency in terminology from “chest skin” in EA-23 to “chest flesh” in three places

Section 4.5 (D) 11 – corrected inconsistency in terminology from “chest skin” in EA-23 to “chest flesh”

Section 4.5 (E) 3 – added “as shown in Figure 72.” Inserted a new figure and the figure title “FIGURE 72 – HYSTERESIS REGIONS.” Indexed the figure numbers of Figures 72 through 78 from EA-23

Section 4.6 (B) – updated the test probe description to include “the mass of rigid attachments and the lower 1/3 of the suspension cable mass”

Section 4.6 (D) 2 – changed environment temperature for knee impact test from “between 18.9 to 25.6 °C (66 to 78 °F)” to “of 20.6 to 22.2 °C (69 to 72 °F)”

Section 4.6 (D) 3 – changed “Torque the load cell simulator bolts to 40.7 N·m (30 ft·lbf)” to “Torque the mounting bolts to 40.7 N·m minimum (30 ft·lbf minimum)”

Section 4.7 (B) – corrected and tightened the specification on the knee slider test probe mass from “12.0 kg ± 0.14 kg (26.5 lb ± 0.3 lb)” to “12.00 kg ± 0.02 kg (26.46 lb ± 0.04 lb)”

Section 4.7 (B) – updated the probe description to include “the mass of rigid attachments and the lower 1/3 of the suspension cable mass”

Section 4.7 (B) – corrected an error in the diameter of the impacting face of the knee slider test probe from “75 mm ± 0.2 mm” in EA-23 to “76.2 mm ± 0.3 mm”

Section 4.7 (C) – replaced Figure 74 with corrected probe mass and hole diameters. The figure was Figure 73 in EA-23.

Section 4.7 (D) 2 – changed environment temperature for knee slider test from “between 18.9 to 25.6 °C (66 to 78 °F)” to “of 20.6 to 22.2 °C (69 to 72 °F)”

Section 4.7 (D) 4 – changed the torque specification for the femur load cell mounting bolts from “40.7 N·m (30 ft·lbf)” to “40.7 N·m minimum (30 ft·lbf minimum)”

Section 4.7 (E) 1 – added title “FORCE VERSUS DISPLACEMENT FOR THE KNEE SLIDER TEST” to Table 7

Section 4.7 (E) 1 – corrected errors in Table 7, by changing knee slider displacements from “10.0 mm” and “18.0 mm” to “10.2 mm” and “17.8 mm” respectively

Section 4.8 (C) – replaced Figure 75 to remove incorrect loading rate from EA-23. The figure was Figure 74 in EA-23

Section 4.8 – deleted the reference “NOTE: For details of the procedure development, reference the Final Report of the SAE Hip Calibration Task Group (August 1995).”

Section 4.9 – corrected source information for EC Directive 96/79/EC

Section 5.1 – Inserted new section “Low-speed Thorax Impact Test,” referring to SAE Recommended Practice J2779 as an additional inspection test. Contents of EA-23 Section 5.1 were moved to Section 5.3 in SAE J2856

Section 5.2 – Inserted new section “Low-speed Knee Slider Test,” referring to SAE Recommended Practice J2876 as an additional inspection test. Contents of EA-23 Section 5.2 were moved to Section 5.4 in SAE J2856