A Fede Sup y Service

17 January 2006

CHANGE NOTICES ARE NOT CUMULATIVE AND SHALL BE RETAINED UNTIL SUCH TIME AS THE STANDARD IS REVISED

Federal Specification for the Star-of-Life Ambulance
KKK-A-1822E
Dated 1 June 2002
Change Notice 3

The following changes, which form a part of FED-STD KKK-A-1822E, dated 1 June 2002, are approved by the General Services Administration, for use by all agencies.

If you have technical questions regarding this change notice, please contact John McDonald at jmcdonald@gsa.gov or 703-605-2971.

Russell Miller
Director, Engineering & Commodity Management (FFAE)
GSA Automotive

1.1 SCOPE

Section 3.3 requires that all equipment, material, and articles required under this specification are to be new or fabricated from new materials produced from recovered materials. This requirement limits the scope of this specification to new construction only.

3.7.6.3 VOLTMETER AND VOLTAGE MONITOR

Add the following text:

The condition of the low voltage electrical system shall be monitored by a system that provides an audible and visual warning to persons in the ambulance of an impending electrical system failure caused by the excessive discharge of the batteries. The charge status of the battery shall be determined by direct measurement of the battery voltage. The alarm shall sound if the system voltage at the battery drops below 11.8 V for 12 V nominal systems or 23.6 V for 24 V nominal systems for more than 120 seconds.

3.7.8.3 SOLID STATE INVERTER FOR ON BOARD 115 VOLT AC POWER

Delete paragraph 3.7.8.3.

Replace it with the following paragraph:

"When specified under 3.15.3-6, a DC to AC inverter shall be provided in conjunction with the onboard 115 volt AC wiring system (3.7.8.) The device furnished shall be capable of continuously delivering at least 750 watts of regulated AC power and shall be listed by a nationally recognized testing laboratory (UL, CSA, etc). The purchaser must specify the allowable total harmonic distortion, voltage variation, power factor, frequency variation and additional wattage (above 750 watts) necessary to operate the purchaser's equipment. The inverter shall furnish the required output over the 12.8 to 14.8 range of the DC input voltage. The device shall be capable of operating the purchaser's specified loads over the temperature range in 3.4.2. The installation shall include an "ON-OFF" switch to activate the device. This switch shall be located on the EMT's control panel or cab console, have an illuminated "ON" indicator, and be labeled with the following:

"115 VOLT AC Inverter.

A decal shall be provided near this switch, which states that

"WHEN OPERATING THE 115 VOLT AC SYSTEM, ALL UNNECESSARY 12 VOLT DC ELECTRICAL LOADS SHOULD BE TURNED OFF."

The inverter shall have integral GFCI protection and shall be wired per Figures 5A or 5B, and 6. "

3.11.4 SQUAD BENCH, SEATS, AND BACKRESTS

Delete the first sentence of the first paragraph and replace it with the following:

"Only when specified by the purchaser (see 6.2) shall the squad bench have post cups and/or wheel cups to prevent lateral and longitudinal movement and support the Style 3 folding stretcher, combination stretcher chair specified (see 3.10.1 and 3.11.5), or other purchaser specified stretcher (3.15.4 M16, or Style 5)."

Delete the second sentence of the first paragraph and replace it with the following:

Unless otherwise specified, (see 6.2) the squad bench top shall be between 48 cm (19") and 56 cm (22") wide, a minimum of 183 cm (72") long, and a minimum distance of 104 cm (41") from the top of the padded seat to any overhead obstruction. This is based on using the information for the seated height of a 95th percentile adult male as cited in Title 49 CFR Part 571.209."

3.13.5 AIR CONDITIONING CRITERIA

Delete paragraph 3.13.5

Replace it with the following paragraph:

The air conditioning system(s) shall have sufficient capacity to simultaneously lower the temperature in each passenger carrying compartment to a maximum dry bulb temperature of 26° C (78° F) and shall be tested in accordance with AMD STANDARD 012.