

PortaBell III DeFTOS - Fuse Rating Change and Manual Discrepancy

The PortaBell III, Dental Field Treatment and Operating System (DeFTOS) is a follow-on dental treatment unit to the DeFTOS II. Both units are manufactured by Bell Dental Products, LLC of Denver, CO. The DeFTOS III incorporates several changes to the design of the DeFTOS II to improve performance and enhance maintainability. One of the changes to the DeFTOS III required the rating of Fuse F1 - 6 ampere (amp) to be increased to 10 amp. Fuse F1 is located on the Voltage Control Circuit Board, P/N 6900-072-03.

The manuals shipped with the DeFTOS III units were not correctly updated to reflect the F1 rating change. The fuse is designated correctly as 10 amp in some sections of the manual and incorrectly as 6 amp in others. Also, the stenciling on the circuit board itself incorrectly designates F1 as 6 amp. Fuse F1 should be designated in all locations as 10 amp.

The manufacture is currently updating the manual for the DeFTOS III to correct this issue. Pen and ink changes to the current manual should be made until the new manual is ready for distribution. Also, an inspection of all DeFTOS III units should be conducted to ensure the installed fuse is 10 amp. Stenciling on the Voltage Control Circuit Board should also be changed to reflect the 10 amp rating of the fuse.

The manufacture recommends the following to correct mislabeling of the circuit board:

Cover up or eradicate the 6 amp label on the circuit board. This can be done using a permanent black marker to write over the label until it is illegible or using a scrapper or file to rub off the label. Caution should be used when scrapping the circuit card to ensure no damage is done to the electrical runs on the board. Ensure the unit is powered off and unplugged when conducting inspection and correction of this issue. It is also possible, but not recommended, to "paint" over the label. After removing the incorrect stenciling, write the proper fuse value on the circuit board. Use a permanent black marker, it needs to be a fine point, write 10A on the circuit board next to the fuse. A sticker or paint can also be used if needed. NSN 6520-01-546-5077, PortaBell III Dental Field Treatment and Operating System (DeFTOS)