1.0 PURPOSE

   To inform all Field Service and Technical Support personnel of the release of a new Actuator/Test Combo board (P/N 190234-XXX) and a new Motherboard (P/N 190232) for the 2008K Hemodialysis machine.

   * The –XXX indicates the software version programmed on the part number 190234 Actuator/Test Combo board.
     For example: 190234-101 is an Actuator/Test Combo board with software version 1.01.

2.0 SCOPE

   The Actuator/Test Combo board replaces the need to have a Test board in the card cage and makes room for further expansion options. The 190232 Motherboard adds the capability of allowing the Actuator/Test Combo board to replace the Actuator board and to eliminate the need for a Test board.

3.0 DETAILS

   The new Actuator/Test Combo board replaces the separate Actuator and Test boards. It uses the same motherboard position as the original Actuator board. In order to use the Actuator/Test Combo board the following apply:

   • The Functional software must be V3.29 or greater.
   • To eliminate the need for a Test board, the Motherboard must be part number 190232. If you don’t have this Motherboard you can still use the Actuator/Test Combo board as an Actuator board but you must have a Test board installed and have Functional software V3.29 or greater.

   The Actuator/Test Combo board does not change any machine functions. The calibration processes remain the same, as well as all other Service Mode configurations.

   The software on the Actuator/Test Combo board is no longer stored on an EPROM and is updated using a method similar to the Functional board.

   It is recommended to conduct the Voltage Detection Calibration whenever an Actuator or Actuator/Test Combo board is replaced. Refer to the 2008K Calibration Procedures (P/N 507296).

   Figure 1 and Figure 2 on the following pages are illustrations of the Actuator/Test Combo board and the 190232 Motherboard respectively.

If there are any questions regarding this bulletin, contact Fresenius Technical Support at 800-227-2572.
Figure 1 – Actuator/Test Combo Board
(P/N 190234-XXX*)

* The –XXX indicates the software version programmed on the part number 190234 Actuator/Test Combo board. For example: 190234-101 is an Actuator/Test Combo board with software version 1.01.
Figure 2 – 190232 Motherboard