Fresenius Medical Care

2008 Training Course Agenda (Level II)

This course provides the student plenty of hands on Troubleshooting experience with the aid of the Troubleshooting Guide. He/she will be taught how to identify and logically isolate malfunctions using "The Order of Troubleshooting".

This class can be modified, per the customer needs, to focus on particular problem areas such as "Flow Errors", "Pressure Tests", "On Line Clearance", etc.

Pre-Requisite: Successful completion of a Level I and at least one year experience with the 2008 Hemodialysis System. Basic Hydraulic Theory, Preventative Maintenance, and Calibrations are NOT covered in this class.

Day 1

- Hydraulics review
- Flow errors
- Debug screens

Electronic Block Diagram Basics

- Block Diagram A - Overall
- Block Diagram K - Card Cage and Display Board
- Block Diagram J - Switch Matrix
- Hands on Troubleshooting – Hydraulics / Flow related problems

Day 2 Electronic Block Diagrams

- Block Diagram B - Power Distribution
- Block Diagram D – Temperature
- Block Diagram E - Conductivity
- Hands on Troubleshooting – Hydraulics / Flow, Power, Temperature, and Conductivity related problems

Day 3 Electronic Block Diagrams

- Block Diagram F - Monitors and Alarms
- Block Diagram G - Testing
- Hands on Troubleshooting – Hydraulics / Flow, Power, Temperature, and Conductivity related problems

Day 4 Electronic Block Diagrams

- Block Diagram H - Fill Program
- Block Diagram I - Shunt Door Switch Configurations
- Hands on Troubleshooting – Hydraulics / Flow, Power, Temperature, and Conductivity related problems
- Written Test
- Test Review

Revised 3/2012