NOTE: ALL TEST BOARD IN/OUT PINS ARE ON THE MOTHERBOARD
CONNECTOR P9 TO MOTHERBOARD
Pin 1 = Not Connected
Pin 2 = To functional board P1/C6, actuator board C6
Pin 3 = To functional board P1/A30, actuator board A5
Pin 4 = To functional board P1/A31, actuator board C5
Pin 5 = Ground

SHUNT CONNECTOR TO MOTHERBOARD

Both lines in shunt; shunt door closed
Pin 2 = +5V (Door closed)
Pin 3 = 0V (Both lines in shunt)
Pin 4 = +5V (Emptying not active)

Neither line in shunt; shunt door closed
Pin 2 = +5V (Door closed)
Pin 3 = +5V (Both dialysate lines not in)
Pin 4 = +5V (Emptying not active)

Shunt door open
Pin 2 = 0V (Door open)
Pin 3 = +5V (Both dialysate lines not in)
Pin 4 = +5V (Emptying not active)

Venous line in shunt, arterial line not in, shunt door closed
Pin 2 = +5V (Door closed)
Pin 3 = +5V (Venous line in, arterial line not in)
Pin 4 = 0V (Emptying activated)

DIAGRAM 1  SHUNT DOOR SWITCH CONFIGURATIONS
DIAGRAM J  FRONT PANEL SWITCH MATRIX