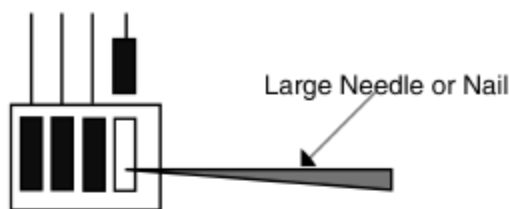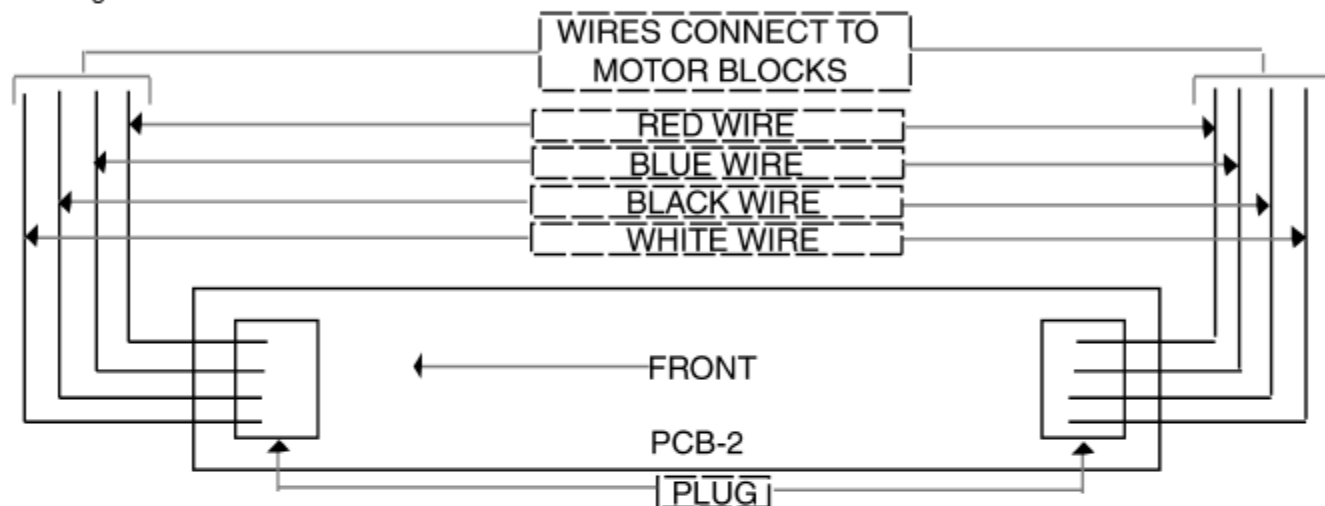# WIRING DIAGRAM FOR FA-1 FOR PROPER FUNCTION OF RCC & DCC SYSTEMS

Some FA-1's with the new "Plug and Play" (PCB-1) PC Boards manufactured in late 2001 and early 2002 may have improper wiring. The wires from the motor blocks may have been improperly installed in the plugs on the PCB-2 "Bus Board". The wires from the motor blocks are color coded. Inspect the wires at the plug on the PCB-2. If the order of the wires is RED, BLUE, BLACK, WHITE, the wiring is improper. The proper order of wires from the motor blocks should be BLACK, WHITE, BLUE, RED. This is easily corrected by unplugging the motor block plugs from the PCB-2, removing the wires from the plugs, and reinstalling the wires in the proper order. Then plug the plugs back into the PCB-2.
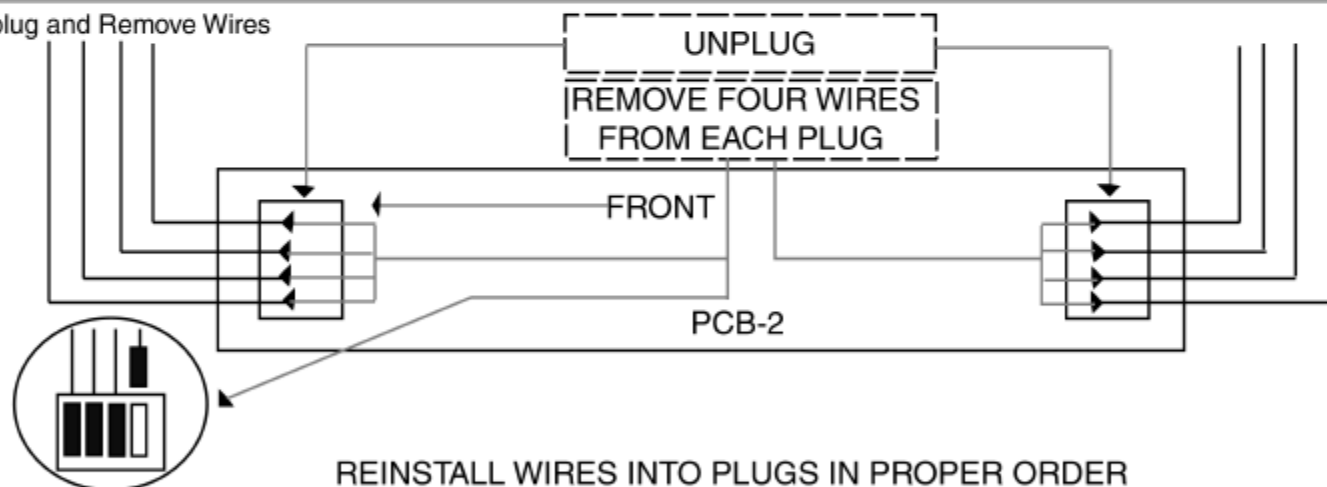
To remove wires from plugs: Use a large needle or a nail to push down on the wire tab in the plug. Pull the wire up and out of the plug. Reinstall the wire by pushing the wire down into the plug.

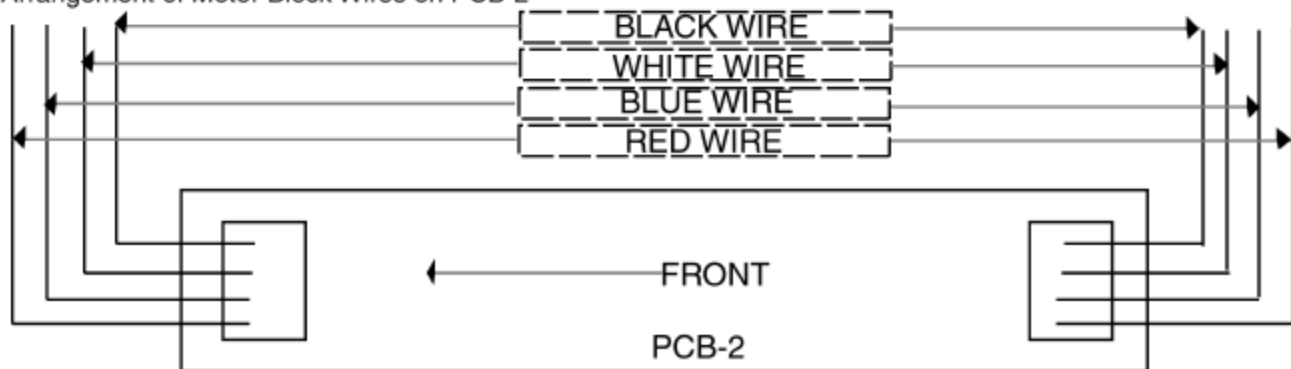Large Needle or Nail

Improper Arrangement of Motor Block Wires on PCB-2

WIRES CONNECT TO MOTOR BLOCKS

RED WIRE
BLUE WIRE
BLACK WIRE
WHITE WIRE

FRONT

PCB-2

PLUG

2 Unplug and Remove Wires

UNPLUG

REMOVE FOUR WIRES FROM EACH PLUG

FRONT

PCB-2

REINSTALL WIRES INTO PLUGS IN PROPER ORDER

3 Proper Arrangement of Motor Block Wires on PCB-2

BLACK WIRE
WHITE WIRE
BLUE WIRE
RED WIRE

FRONT

PCB-2

DRAWINGS NOT TO SCALE