

# ELECTRICAL SEQUENCE TESTS

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FOR SLPS PCC 1743

**THIS TEST IS TO BE PERFORMED WITH THE CAR DISCONNECTED  
FROM THE 600 VDC POWER SOURCE.**

1. Initial Setup
  - 600 VDC Disconnected
  - Battery Off
  - Control Handle: Any position, Reverser Contacts Isolated
  - Reverser Control: Handle out Position
  - Brake Off
  - Dead Man Up
  - Doors Closed or Bypass Switch Closed
  - Terminal 3 of ABR jumpered to ABR body (Optional)
  - Substitute C1 contactor installed (remove after test)
2. Battery and MG Switch On
  - B1, B2, C2, FS1 Close
  - KM Arm at A Position
3. Press Deadman down
4. Control Power Pedal to Switch position so that PC-7 opens.
  - LB1, LB2 Close
  - B1, B2, C2, FS1 Open
  - KM Arm at A Position
5. Press Power Pedal to Full Run
  - C1, C2, FS1, FS2 Close
  - KM Arm swings towards B position
  - FS3 Closes at 23<sup>rd</sup> bar
  - FS4 Closes at 46<sup>th</sup> bar
  - B3 and LB3 Close at 130<sup>th</sup> bar
  - KM Arm reverses direction back towards A Position
  - FS4 Opens at 46<sup>th</sup> bar
  - FS3 Opens at 23<sup>rd</sup> bar
6. Release Power Pedal and deadman (Coasting)
  - C1, B3, FS2, LB1, LB2, LB3 and B3 Open
  - B1, B2, C2 and FS1 Remain Closed
  - KM returns to A position