

# SLPS PCC 1743 Progress Report

## STL PS 1743 Progress Report 1/19 to 1/21/16

1/19/16

1. Completed wiring dash indicator lamps.
2. Tested drum brakes, limit switches and indicator lamps, they worked.
3. Tested track brakes and indicator. Front track brake worked then failed, indicator worked.
4. Tested door interlocks to see if they work without door interlock knife switch, they do.
5. Removed ABR relay for mechanical calibration. Found that coil sent by Karl Johnson has double the resistance that it should have. We need a new ABR relay coil with 12 ohms on the inner shunt and 0.47 ohms on the outer shunt.
6. Double checked both used coils are open on inner shunt.
7. Took information from MG starter panel and contactor, took information from GC contactor for new SLPS PCC 1743 BOM.

1/21/16

1. Took photos of C2 aux contacts for identification on new SLPS PCC 1743 BOM.
2. Stripped cable with 4 wire plug to make bonding jumpers for track brakes. Cut cable into 4 equal segments.
3. Went out to MOPAC caboose and found cable clamps for bonding jumpers. Carried entire tray back to shop. Attached screw connector to one end and crimp connectors to other end.
4. Used die grinder with rotary file to enlarge hole in crimp connectors to fit on spring shaft.
5. Four new 8 volt deep cycle batteries were purchased today.

Plans for Saturday 1/22/16 and next week

1. Install new 8 volt batteries.
2. Adjust voltage regulator from 41 volts to 35.5 volts
3. Clean up remaining wiring around relay S3.
4. Complete installation of track brake bonding jumpers.
5. Replace track switch toggle and contacts.
6. Replace ABR relay coil if one can be found and recalibrate ABR mechanically.
7. Reinstall ABR relay.
8. Complete sequence test.