

Date: 01/09/18

TSB Number: TSB-0004

Route to: Modernization/Service Manager

Reference: Smart Discrete Brake Board Circuitry

Subject: Rewiring of the B contactor to prevent the brakes from energizing if the Brake Board Fails.

Action: Required

Equipment: SRA Traction Controller, SRD DC Controller

Description: The Smart Discrete Brake board would still supply DC voltage to the brake coils even if the B contactor was open, due to failure of the Brake Board.

Fix: Rewiring the B contactors in series with the DC Brake Coil.

Do the following:

- 1) Remove the wire going into BR+ of the Smart Discrete Brake Board that is coming from terminal K2, you will no longer need this wire.
- 2) Take the wire that is going into BRC1 of the Smart Discrete Brake Board and move it to terminal K2.
- 3) Take the wire that is going into BRC2 of the Smart Discrete Brake Board and move it into BR+ of the smart discrete brake board.
- 4) Place a jumper from BRC2 and BRC1.

5)

Affected job(s) on file: