

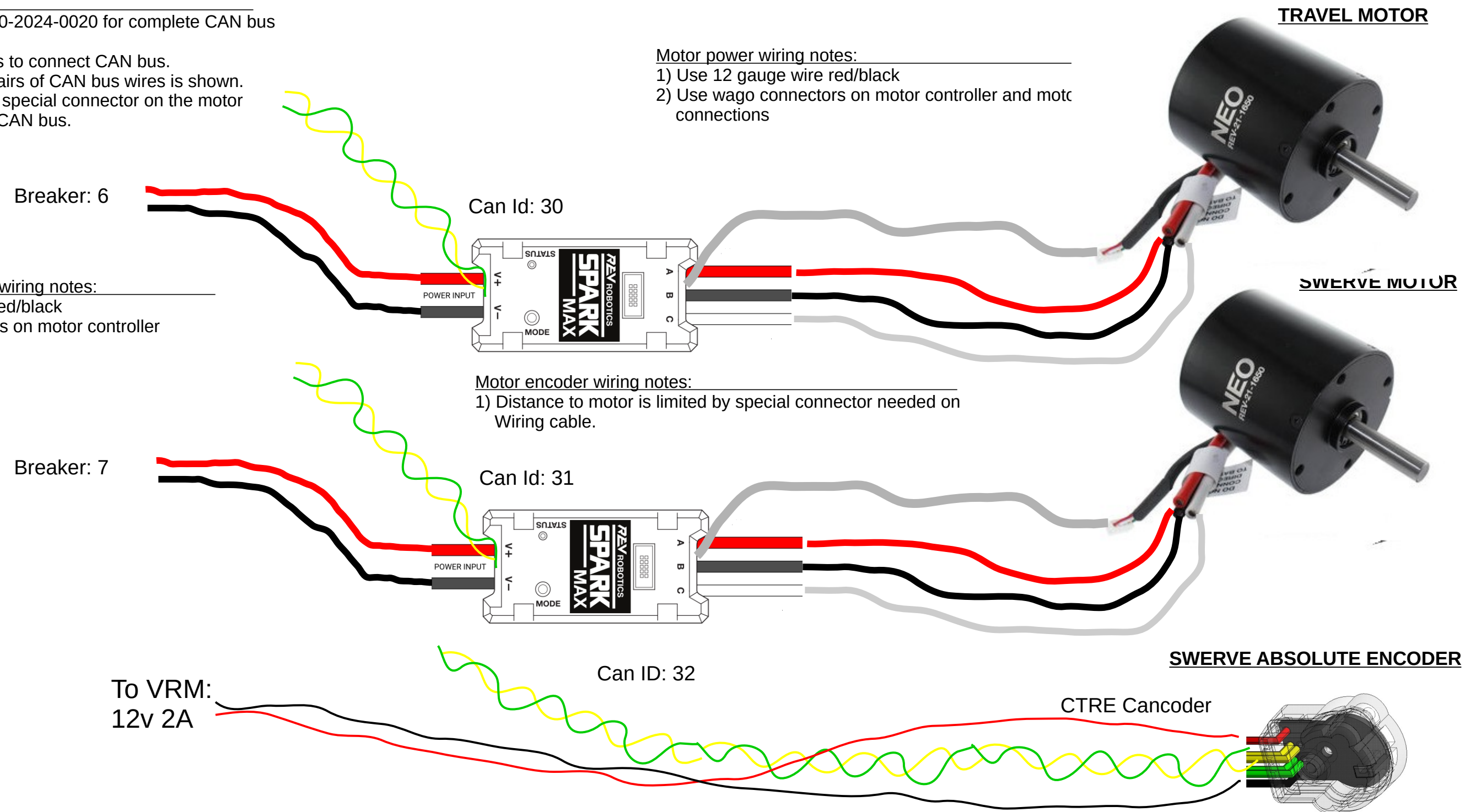
- 1) See drawing FRC4150-2024-0020 for complete CAN bus Wiring.
- 2) Use wago connectors to connect CAN bus.
- 3) Only one of the two pairs of CAN bus wires is shown.
- 4) Spark Max requires a special connector on the motor Controller side of the CAN bus.

- 1) Use 12 gauge wire red/black
- 2) Use wago connectors on motor controller and motor connections

- 1) Use 12 gauge wire red/black
- 2) Use wago connectors on motor controller

1) Distance to motor is limited by special connector needed on Wiring cable.

- 1) 12 Volt supply voltage
- 2) Use 22 gauge wire red/black
- 3) Wired to Voltage Regulator module



03/16/2025

2025 Competition Robot Electrical Schematic Drive System – Right Front

Drawing number	FRC2025-0002
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Rev
A[illegible]