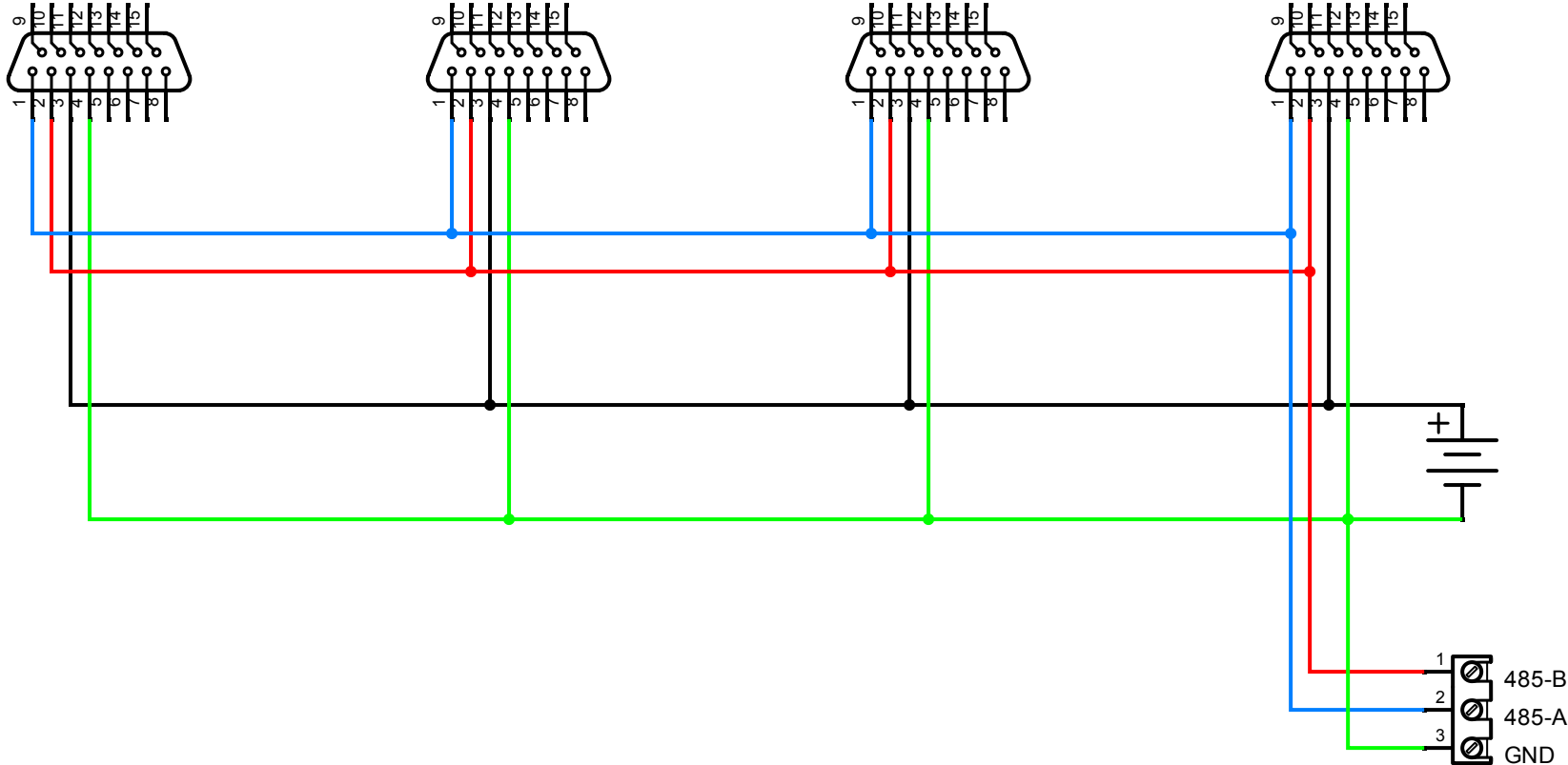# Female, 15-pin D-Sub Breakout Boards (to be attached to each gauge in the network)

This diagram is not representative of the pinout configuration on the particular connectors used, but does reflect the correct pin numbering. Please ensure that correct connectors are used with this diagram serving only to display the basic wiring principle of the half-duplex network constructed.

Vacuum Gauge 15-Pin D-Sub Pinout:

Pin 1: RS485 Data B (+) input/output
Pin 2: RS485 Data B (-) input/output
Pin 3: Power Input (12-28 Vdc)
Pin 4: Ground

OEM Vacuum Gauge Power Supply, Spliced

NOTE: Rather than splice the supply, one may use the intended connection to the 9-Pin D-Sub, making sure that power is not supplied to both gauge connectors.

RS-485 Shield Screw Interface

NOTE: This should connect to the Raspberry Pi per manual instructions. The Raspberry Pi should be powered by an appropriate, standard supply.

485-B
485-A
GND