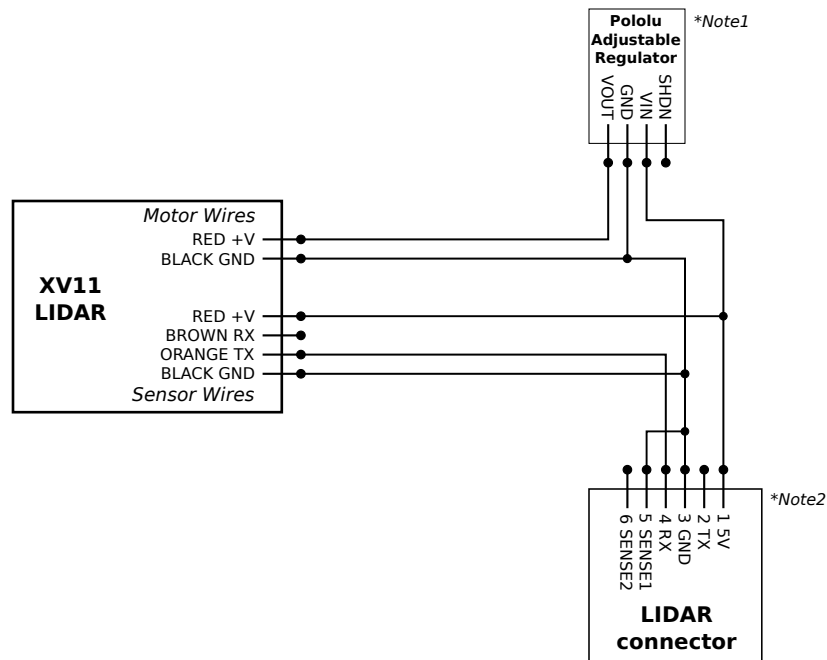


# Caveatron Wiring Diagram

## XV-11 LIDAR Module - Rev. A

v. 2017-11-07



### \*NOTES

1. Output voltage must be set so that LIDAR rotation speed is between 270 and 300 RPM (target 288 RPM - 4.8 rotations per sec). The voltage varies from LIDAR to LIDAR but is around 2.85 V. If rotation speed exceeds 300 RPM, data will start being corrupted. Also note that the motor starts off at a slightly slower speed, gradually reaching steady state after about 1 minute. So be sure to wait a bit if measuring speed when setting voltage to avoid accidentally exceeding the 300 RPM limit.
2. Numbers designate pin numbers on connector.