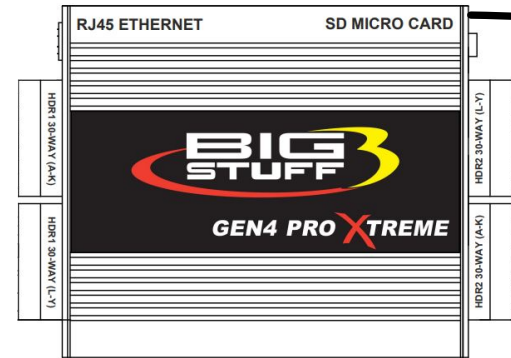


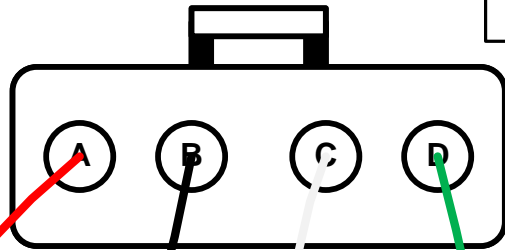
BigStuff GEN4 – Roll Race Control - Wiring Diagram



The GEN4 ECU Roll Race Traction Control is the ultimate in wheel speed control from the front to the rear of the vehicle.

Roll Race Harness installed above SD Card

Looking at harness from the ECU



The Front and Rear Wheel speed sensor must be a 2-Wire VR magnetic sensor. Stock GM ABS sensors can be used as well. We recommend our wheel speed ring in aftermarket applications. If a wheel speed ring cannot be installed on the front wheel setup, the brake rotor bolts can be used instead to read from.

To configure the wheel speed ring go to the System Menu and under the Operating Configuration Section and enter the number of pickups on the wheel speed ring under the RPM Collar Section. The value "WHEEL SPIN" in your logger is the calculated error of wheel spin from the front to the rear.

The GEN4 ECU Roll Race control uses an RPM error calculation to determine how much faster the rear tire is spinning versus the front tire. Go to the SR2/ETM Menu and under the SR2 Selection menu choose either street or strip mode and a rear wheel speed sensor or the driveshaft sensor. Once configured go to the SR2/ETM menu and select the Roll Race Retard Curve. Enter the retard value as the wheel spin error rises. Enter a positive number with a max of 25 degrees of timing retard.

Front Wheel Positive + Red Wire

Rear Wheel Negative - White Wire

Front Wheel Negative - Black Wire

Rear Wheel Positive + Green Wire

