

# SpeedZone G2™

## Vehicle Control System

SpeedZone G2 convert a mechanical governor truck to drive-by-wire giving the vehicle all of the safety features found in SSC's DOT-Lok G2 Shift Inhibitor and PACE-One G2 Speed Limiter systems.



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Typical Installation - Right



## Functional Description

SpeedZone G2 is a drive-by-wire retrofit kit that replaces the

mechanical linkage in a vehicle. The system consists of an Accelerator Pedal Position Sensor (APPS), an Electronic Control Module, (ECM), a servo controlled electric motor, mounting hardware, cable and wiring harness. The ECM receives APPS, speed and other data and processes this information to form a control signal for the servomotor. Depending on the vehicle, the servomotor then controls the throttle valve or fuel pump.

### DOT-Lok G2 Shift Inhibitor Features

Programmable Throttle Delay

Programmable Travel & Throttle Shift Speed Settings

Engine Braking

OK to Shift Light

Auxiliary Input - Defaults Transmission to Neutral

### PACE-One G2 Speed Limiter Features

Top Travel Speed Limiter (multiple speeds)

Throttle Ramp Modification

Live Speed Capture

No Negative Effects on Hydraulics

### Traction Control Features

Limits Tire Spin

Reduces Tire Wear

Does Not Limit Truck Power

### Fault Detection and Data logging

Should an Output Fault be detected within the ECM, internal fault detection will help identify where the error is coming from. Data logging records data from various inputs to help identify why an error occurred. The ECM also has diagnostic LEDs.



## Ucal Programmer

Programming all of the above parameters is easily accomplished with the Windows based uCal Programmer and software. Complete truck settings can be imported into “like” trucks with the click of a mouse.