SmoothBoost Duty Cycle to Analog converter

SB-DCA for ECU control

This device converts a configurable (PWM -) NEGATIVE pulse output from ECU to a 0-5v analog voltage which is read by the SmoothBoost controller.

Compatible with variable frequencies from 30hz to 200+ hz

Setup within the ECU for the PWM output will be similar to boost control on a turbocharger wastegate solenoid or any other external device that uses a variable 0-100% duty cycle. Please refer to your ECU manual for table setup information as there are many options for boost control strategy.

0% duty cycle = no boost CUT (full boost/bypass valve closes completely)

100% duty cycle = full boost CUT (no boost/bypass valve stays locked open)

White wire - Negative PWM (-) Pulse signal from ECU/control device

* Pink - Analog 0-5 volt output from DCA to SmoothBoost's boost control input

*Orange Wire - 5v source

* Green Wire - Connect to SmoothBoost's Boost control input ground

      * To the 3 pin connector on smoothboost controller