

THEORY OF OPERATION:

With Clutch and Nitrous Suspend output

Function of "RPM Limiter" future.

By momentary pressing "RPM Limiter Armed" switch, "RPM Limiter Status Light" will start flashing at 1Hz to indicate that function has been activated, but is waiting for Clutch to be engaged (send +12V to Gray Wire). By engage (depress) of clutch, "RPM Limiter Status Light" will go steady to indicate RPM Limiter is active. During this active stage, when throttle pedal is in maximal position (full throttle) engine RPM's will be maintained by this unit. By releasing clutch pedal (opening "Clutch Switch"), RPM limiter will be deactivated (turned OFF). and engine RPM's will go to its maximum according throttle position.

Operation of "RPM Limiter Switch" Yellow and Green LED.

Yellow will flash at 2Hz when "RPM Limiter Armed" switch has been momentary pushed (activated). Than will go solid, when "Clutch Switch" is closed (clutch is depressed).

Green will illuminate when engine RPM's are above preset "High Limit Set" value.

Operation of "Nitrous Suspend" output

This output is High (+12V/500mA) when RPM Limiter is armed and will stay high all the time during operation of RPM Limiter.

Immediatly after clutch is released this output will be deenergized.

Operation of "Settings Error" Red LED

If any of preset limits of RPM are out of allowed range, than Red LED "Setting Error" will illuminate.

Range for setting: 2000RPM - 9000RPM

Advanced Electronics Solutions Inc.		
Title		
ADJUSTABLE STUTTER SWITCH AST-1		
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