

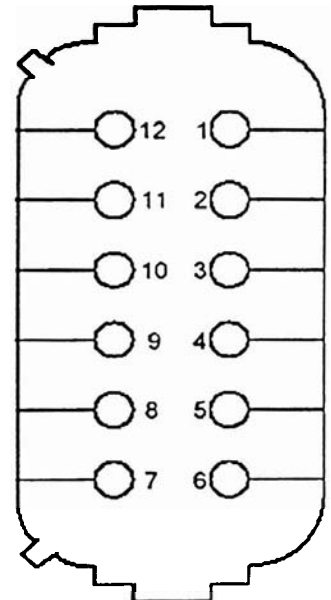
## Important Installation Notice!

This engine is fitted with the new Woodward L series throttle body. The LCS series has been discontinued by Woodward.

The L series uses the same Packard connector as the LCS but the wiring requires one change. The ground wire to the L series has been moved to pin 5 (it was at pin 2 on the LCS) If the ground lead is not moved, the throttle body will not function (connecting a L series throttle body to a connector configured for a LCS will not harm the throttle body but it will not function).

Also, a new communication cable and software are required to tune the new L series governor. The software can be downloaded from Woodward's web site for free - no passwords are required to download or use the software. The web site is:  
<http://www.woodward.com/software/software.cfm>  
 You need to select L Series Tools.

The communication cable is available from PSI - p/n 33000572



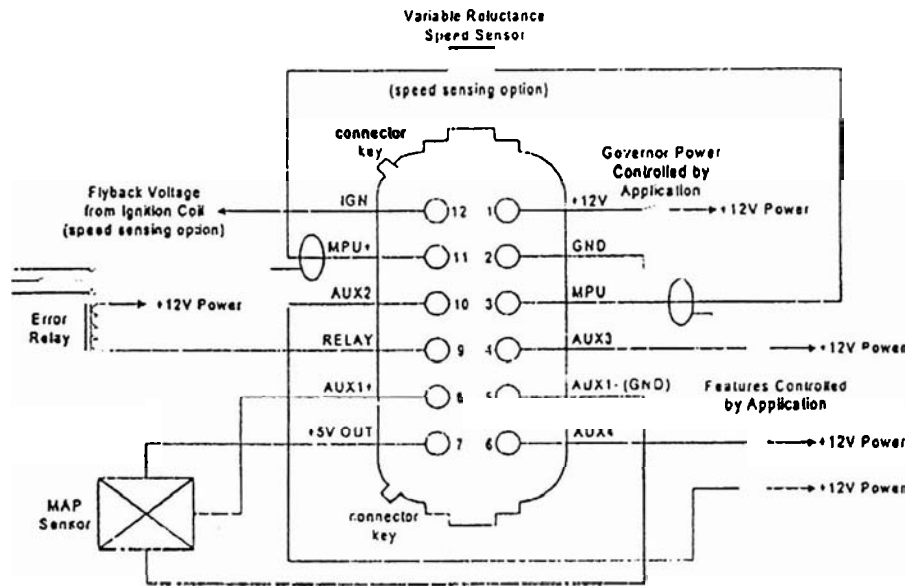
### Connections Changes - Looking into Controller

Pin #	LCS	L Series
1	Input Power + 12 volts	Input Power + 12 volts
2	Input Power Ground	TPS output signal
3	AUX - (Sig Gnd) (MPU -)	AUX - (Sig Gnd) (MPU -)
4	Aux input 3	Aux input 3 / RS-232 Transmit
5	Aux 1 Gnd	Input Power Ground
6	Aux Input 4	Aux Input 4 / RS 232 Receive
7	5 volt out	5 volt out
8	Aux Input 1 +	Aux Input 1
9	Relay Driver Output	Relay Driver Output
10	Aux Input 2	Aux Input 2
11	MPU +	MPU +
12	Ignition Input	Ignition Input



## Wiring Diagrams

# IMPCO ELECTRONIC SPEED CONTROL (GENSET)



# IMPCO ELECTRONIC GOVERNOR

