Changes from the Lexus Firmware to Lexus SPCL

This firmware is like all our ECU firmware.

1. Idle controller is connected on the GP2 or Green wire.
2. Up and Down response time is adjustable on this firmware.
3. You may use an idle valve or stepper motor with this firmware.
4. Rev-counter and TCU RPM signal is connected on the green RPM output wire at the 12 way connector. Note that if you scale the RPM output for a rev-counter, you also need to set the TCU Pulses / RPM to the same value.
5. Gear Timing is adjustable to calibrate the software timing and the timing light. A standard setting is 9°. Timing can also be adjusted on the graph to 0°BTDC where the old firmware could not go lower than 6°BT DC on the actual time.
6. The Gear trigger pulse may be of positive or negative logic. No need to change the wires around.

See also the Software changes page.

Note that this Firmware is not interchangeable on the older Firmware, as there are hardware and MAP changes that must be made to accommodate the ECU.