# NOS System (MS2 ONLY)



www.ExtraEFI.co.uk Specific diagram
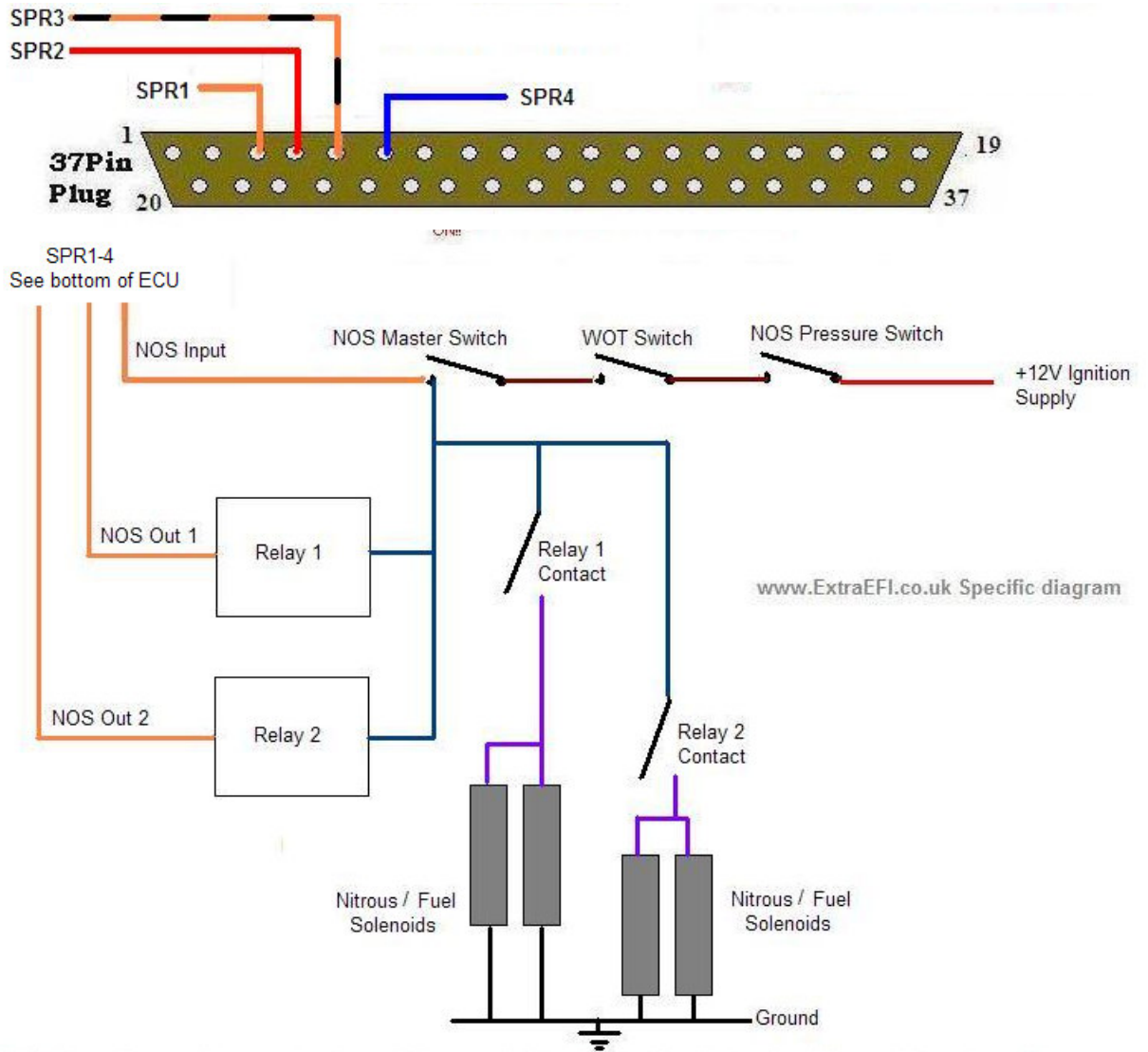
The MS2-Extra 2.0 code supports one or two stages of nitrous control in either "wet" or "dry" modes. The operation works as follows.

An arming input signal is sent to the Megasquirt CPU when the power is on and the safety switches are closed. Once the arming input is active and the rpm, throttle and temperature conditions are met then the system is activated. (Note! This is different from MS1/Extra.)
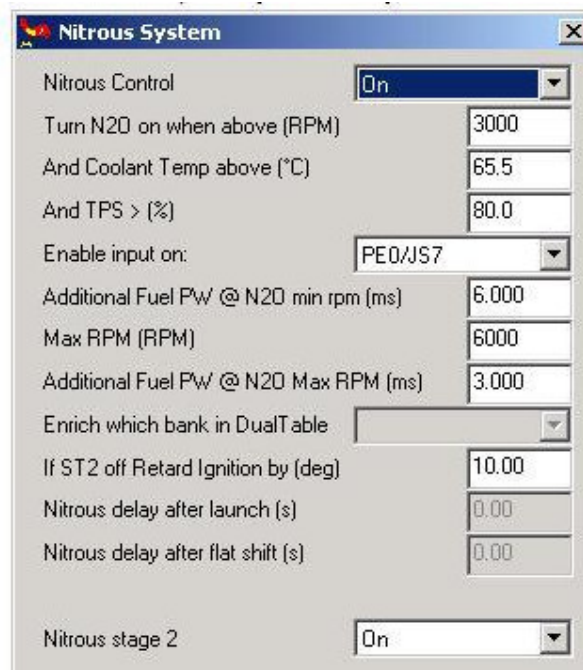
Stage 1 outputs in IAC1 and can optionally retard timing and inject additional fuel through the injectors.

If launch and/or flat shift are used, the nitrous is automatically disabled. You can optionally set a delay from launch to nitrous activation.

**Nitrous System stage 2**

| | |
|---|---|
| Enable stage 2 above (RPM) | 5000 |
| Max RPM (RPM) | 6000 |
| delay after stage1 (s) | 2.50 |
| Retard Ignition by (deg) | 5.00 |
| Additional Fuel PW @ N2O min rpm (ms) | 1.998 |
| Additional Fuel PW @ N2O Max RPM (ms) | 0.999 |

**Nitrous System**

| | |
|---|---|
| Nitrous Control | On |
| Turn N2O on when above (RPM) | 3000 |
| And Coolant Temp above (°C) | 65.5 |
| And TPS > (%) | 80.0 |
| Enable input on: | PE0/JS7 |
| Additional Fuel PW @ N2O min rpm (ms) | 6.000 |
| Max RPM (RPM) | 6000 |
| Additional Fuel PW @ N2O Max RPM (ms) | 3.000 |
| Enrich which bank in DualTable | |
| If ST2 off Retard Ignition by (deg) | 10.00 |
| Nitrous delay after launch (s) | 0.00 |
| Nitrous delay after flat shift (s) | 0.00 |
| Nitrous stage 2 | On |

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