

**SPECIFICATIONS**

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| <b>Supported Models:</b>                  | Nissan Patrol Y61 series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
| <b>Engine Codes:</b>                      | TB48DE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
| <b>Transmission:</b>                      | Manual only (Automatic not supported)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
| <b>Features:</b>                          | Direct plug and play replacement of the OEM ECU, No rewiring necessary<br>Uses the cars factory sensors<br>Supports Sequential Injection (peak and hold) and Direct fire ignition<br>Windows 2000, XP, Vista, Windows 7 compatible software<br>Real time programming, instant hesitation free adjustment while engine is running<br>Fully user definable 32 x 32 mapping<br>Tuning via Volumetric Efficiency (VE), Injection time or Lambda Correction (MAF)<br>Diagnostic Trouble Code Storing & Check Engine Light Control (Access through laptop only)<br>Selectable onboard internal MAP sensor rated to 150kPa (up to 1.5 Bar or 22psi boost)<br>Wideband "auto tuning" using user definable target AFR table<br>USB and CAN Communication Port |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
| <b>Factory Outputs:</b>                   | 6 x Fuel Injector outputs<br>VIAS Control (Variable Intake Air Solenoid)<br>N-VCT ( Nissan Variable CAM Timing Control)<br>AC Clutch Relay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6 x Ignition outputs<br>Idle Control<br>Fuel Pump<br>Check Engine Light                                                                                                                            | Tacho<br>Thermo Fan<br>EVAP Control Solenoid Valve                                                                                                                                                                                                                               |
| <b>Factory Inputs:</b>                    | MAF Sensor<br>Oxygen Sensors<br>Power Steering Switch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Throttle Position Sensor<br>Coolant Temperature Sensor<br>4WD Switch                                                                                                                               | Knock Detection Sensors<br>Vehicle Speed Sensor                                                                                                                                                                                                                                  |
| <b>Expansion I/O*:</b>                    | <b>*Optional auxiliary harness required to be purchased Haltech Part # HT040003</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
| <b>Configurable for:</b>                  | <b>2 x Analogue Voltage inputs</b><br>Aux Rev Limiter<br>Brake Pedal Input<br>Flat Shift<br>NOS Enable<br>Fuel Pressure Sensor<br>External Map Sensor (Up to 145psi)<br>Oil Pressure Sensor<br>Wideband O2 Sensors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>2 x Analogue Temperature inputs</b><br>Air Temperature Sensor 2<br>Exhaust Gas Temperature Sensors<br>Fuel Temperature Sensors<br>Oil Temperature Sensors                                       | <b>4 x Digital pulsed outputs</b><br>Air Temperature Switch<br>Aux Fuel Pump<br>Battery Light<br>Coolant Temperature Switch<br>Generic Duty Output<br>MAP Sensor Switch<br>Nitrous Activation Switch<br>RPM Switch<br>Tacho Output<br>Thermofan 2 Switch<br>Vehicle Speed Switch |
| <b>Functions:</b>                         | Closed Loop O2 Control (Dual Bank)<br>Closed & Open Loop Boost Control<br>Knock Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Decel Cut<br>Gear Setup<br>Long Term Fuel Trim                                                                                                                                                     | Over Boost<br>N-VCT On - Base Tables<br>Rev Limiter<br>Transient Throttle Enhance                                                                                                                                                                                                |
| <b>Correction Tables:</b>                 | <b>Fuel</b><br>Cranking<br>Air Temperature Correction<br>Coolant Temperature Correction<br>Map Correction<br>Cylinder Trim<br>Generic Correction 1*<br>Generic Correction 2*<br>Gear Correction<br>Post Start                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Ignition</b><br>Cranking<br>Air Temperature Correction<br>Coolant Temperature Correction<br>Zero Throttle<br>Cylinder Trim<br>Generic Correction 1*<br>Generic Correction 2*<br>Gear Correction | <b>Boost</b><br>Air Temp Target Correction<br>Air Temp Duty Correction<br>Coolant Temp Correction<br>Gear Correction<br>TPS Correction<br>Generic Correction*                                                                                                                    |
|                                           | *Generic Correction tables have user definable axis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
| <b>Miscellaneous:</b>                     | Data Logging: 448Kb of onboard data logging, Storage for approx 40 minutes at 10 logs per seconds, 6 channels of data, Max 20 channels logging capability<br>Tune can be password protected in software<br>Rugged anodized aluminum casing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
| <b>Factory Functions Not Supported:</b>   | Immobiliser                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
| <b>Power Requirements:</b>                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
| Source:                                   | 8.6 to 16.5 Volts DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
| Consumption:                              | 530mA @ 12Volts DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
| <b>Physical Specifications:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
| ECU Dimensions                            | Length: 210mm (225mm with MAP nipple)<br>Width: 158mm<br>Height: 42mm<br>Weight: 690g (1.5 lb)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
| <b>Platinum Pro Plug-in Kit Includes:</b> | Pro Plug-in ECU<br>USB Cable<br>Programming Software CD<br>Quick Start Guide<br>Instruction Manual (on CD)<br>Haltech Sticker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |

