

**SPECIFICATIONS**

<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 Uses the cars factory sensors Supports Sequential Injection (peak and hold) and Direct fire ignition Windows 2000, XP, Vista, Windows 7 compatible software Real time programming, instant hesitation free adjustment while engine is running Fully user definable 32 x 32 mapping Tuning via Volumetric Efficiency (VE), Injection time or Lambda Correction (MAF) Diagnostic Trouble Code Storing & Check Engine Light Control (Access through laptop only) Selectable onboard internal MAP sensor rated to 150kPa (up to 1.5 Bar or 22psi boost) Wideband "auto tuning" using user definable target AFR table USB and CAN Communication Port		
<b>Factory Outputs:</b>	6 x Fuel Injector outputs VIAS Control (Variable Intake Air Solenoid) N-VCT ( Nissan Variable CAM Timing Control) AC Clutch Relay	6 x Ignition outputs Idle Control Fuel Pump Check Engine Light	Tacho Thermo Fan EVAP Control Solenoid Valve
<b>Factory Inputs:</b>	MAF Sensor Oxygen Sensors Power Steering Switch	Throttle Position Sensor Coolant Temperature Sensor 4WD Switch	Knock Detection Sensors 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> Aux Rev Limiter Brake Pedal Input Flat Shift NOS Enable Fuel Pressure Sensor External Map Sensor (Up to 145psi) Oil Pressure Sensor Wideband O2 Sensors	<b>2 x Analogue Temperature inputs</b> Air Temperature Sensor 2 Exhaust Gas Temperature Sensors Fuel Temperature Sensors Oil Temperature Sensors	<b>4 x Digital pulsed outputs</b> Air Temperature Switch Aux Fuel Pump Battery Light Coolant Temperature Switch Generic Duty Output MAP Sensor Switch Nitrous Activation Switch RPM Switch Tacho Output Thermofan 2 Switch Vehicle Speed Switch
<b>Functions:</b>	Closed Loop O2 Control (Dual Bank) Closed & Open Loop Boost Control Knock Control	Decel Cut Gear Setup Long Term Fuel Trim	Over Boost N-VCT On - Base Tables Rev Limiter Transient Throttle Enhance
<b>Correction Tables:</b>	<b>Fuel</b> Cranking Air Temperature Correction Coolant Temperature Correction Map Correction Cylinder Trim Generic Correction 1* Generic Correction 2* Gear Correction Post Start	<b>Ignition</b> Cranking Air Temperature Correction Coolant Temperature Correction Zero Throttle Cylinder Trim Generic Correction 1* Generic Correction 2* Gear Correction	<b>Boost</b> Air Temp Target Correction Air Temp Duty Correction Coolant Temp Correction Gear Correction TPS Correction 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 Tune can be password protected in software 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) Width: 158mm Height: 42mm Weight: 690g (1.5 lb)		
<b>Platinum Pro Plug-in Kit Includes:</b>	Pro Plug-in ECU USB Cable Programming Software CD Quick Start Guide Instruction Manual (on CD) Haltech Sticker		

