

Parameter	Ignition on - engine not running	Engine Running @ idle	Engine Running @ "2500"rpm	Comments
Throttle Angle	4°TV	5°TV	4°TV	
Throttle potentiometer voltage	0.6V	0.6V	0.7V	
Throttle valve status	Closed	Open	Open	
Aircon Fan Request	Not Requested			Not fitted
Ignition switch	On	On	On	
Aircon Clutch Request	Not Requested			Not fitted
Drive/Neutral Status	Neutral	not measured	not measured	
Security Input	Low	not measured	not measured	
Aircon Switch	Off			Not fitted
Alternate Aircon Fan Request	Not Requested			Not fitted
Intake Manifold Pressure	100kPa	25kPa	24kPa	
Stepper Position	78steps	90 steps	96 steps	
Idle Error	0 RPM	1 RPM	1712 RPM	Don't understand what this means
Engine Speed	0 RPM	871 RPM	2610 RPM	
Vehicle Speed	0 KPH	0 KPH	0 KPH	
Coolant Temperature	87°C	98°C	97°C	
Oil Temperature	47°C	87°C	87°C	
Intake Air Temperature	44°C	60°C	58°C	
Ambient Air Temperature	45°C	68°C	66°C	
Fuel Temperature	"-248°C	"-248°C	"-248°C	Known error as no fuel temp sensor fitted
Battery Voltage	11.7V	13.6V	13.5V	
Crankshaft Signal	invalid	okay	okay	
Camshaft Signal	invalid	okay	okay	
High Speed Sync Loss	okay	not measured	not measured	
Cam Input History	Input was low	not measured	not measured	
Cam Position	65535°	0°	1°	Presumably this will depend on where the cam is when the data v
Crank Position	6553.0°	0.9°	3.3°	Presumably this will depend on where the crank is when the data
Coil 1 Charging Time	3855 uS	1285 uS	1285 uS	Would like to know expected values for these and what it means
Coil 2 Charging Time	4025 uS	1550 uS	1575 uS	
Injector Firing Interval	180.0°	720.0°	720.0°	
Injector Pulsewidth	15.2 mS	2.1 mS	1.8 mS	
Injector Deadtime	1.1 mS	0.8 mS	0.8 mS	
Fueling Feedback Correction Bank 1	100%	98.50%	101.10%	
Oxygen Sensor Voltage Bank 1	0.11V	0.89V	0.11V	Would like to know expected values
Fueling Feedback Correction Bank 2	100%			Not Fitted
Oxygen Sensor Voltage Bank 2	0.00V			Not Fitted

Oxygen Sensor State Bank 1	inactive	Active	Active	
Oxygen Sensor State Bank 2	inactive	Inactive	Inactive	Not fitted
Requested Cam Period	225.0°	225.0°	240.1°	Would like to know expected values for these and what it means
Measured Cam Period	0.0°	223.4°	not measured	
Inlet Valve Open Angle	0.0°	717.0°	709.2°	
Inlet Valve Closed Angle	0.0°	220.4°	230.5°	
Closed Loop Idle Control Status	Not Active	Active	not measured	
Idle Speed Control Test Status	Not Active	Not Active	not measured	
Throttle Status	Closed	Closed	not measured	
Engine Cranking Status	Not Cranking	Not Cranking	Not Cranking	
Engine Started Status	Not Started	Started	Started	
Engine Stopped Status	Stopped	Not Measured	Not Measured	
Overrun Fuel Circuit Status	Not Active	Not Active	Not Measured	
High Speed Fuel Cut Off Status	Not Active	Not Active	Not Measured	
Fuel Pump	Off	On	On	
MIL Lamp	Off	Off	Off	
Aircon Clutch	Off			Not Fitted
Radiator Fan	Off	Off	Off	
Auxilliary Fan	Off	Off	Off	
O2 Sensor Heater	Off	On	On	
Engine Fan	Off	Off	Off	
Purge Valve Duty Cycle	0%	0.00%	not measured	
Cruise Disable	Off	Off	Off	

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