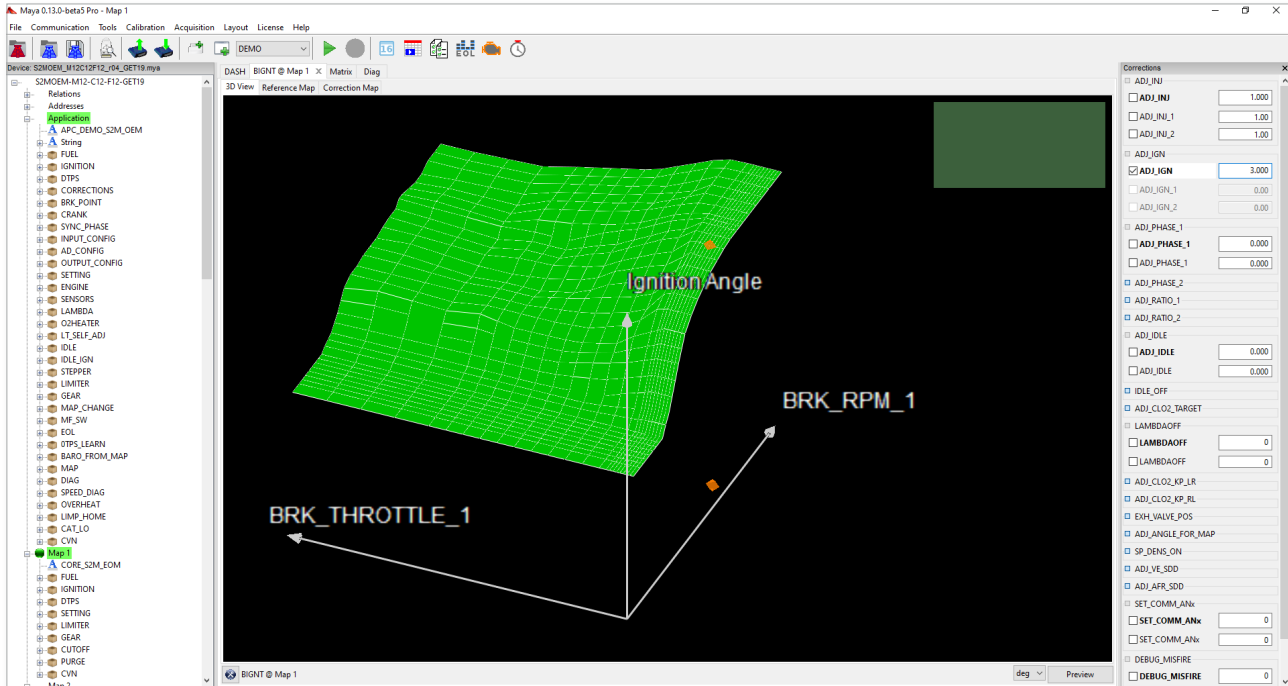




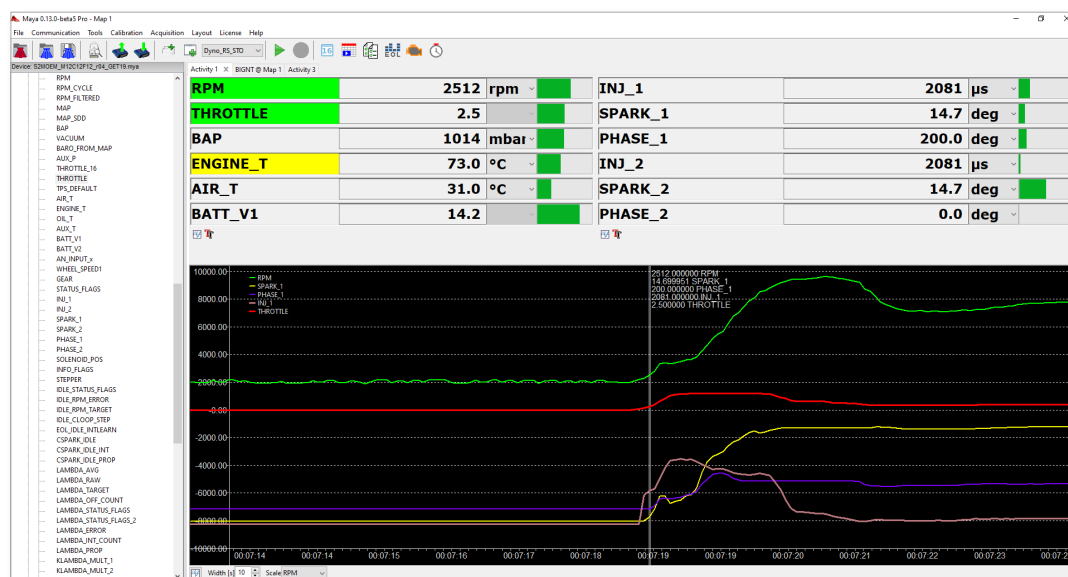
MAYA PRO

ECU MANAGEMENT SOFTWARE



MAYA is the desktop software for the management of all Athena ECUs.

- Its main features are:
- ECU firmware and calibration data reprogramming.
- ECU calibration management with tabular editing and 3D view
- Import and Export tables in .txt, .xls/.xlsx, .csv e.ods
- Write and Read of ECU calibration files
- Password Protection on ECU and calibration file
- Customizable layout
- Real time view of ECU data, with logging and review functionality
- Real time corrections for calibration
- End of Line data editing
- ECU diagnostics read and reset
- RS232 and CAN interface (ISO 14229-1 UDS protocol)



ENABLED FUNCTIONS

MAYA EVO

MAYA ADVANCED

Full map display of injection timing as "plain values"

No

Yes

Injection correction on each breakpoint (on 768 map points)

Yes (+/-100%)

Yes

Injection correction available across the whole map

Yes (+/-100%)

Yes (+/-100%)

Injection correction for each breakpoint (on 30 map points)

Yes

Yes

Map with ignition advance in plain

No

Yes

Ignition timing correction for each breakpoint (on 768 map points)

Yes (+/-64°)

Yes

Ignition timing correction for each breakpoint (on 30 map points)

Yes

Yes

Ignition timing correction available across the whole map

Yes (+/-64°)

Yes

Injection angle

No

Yes

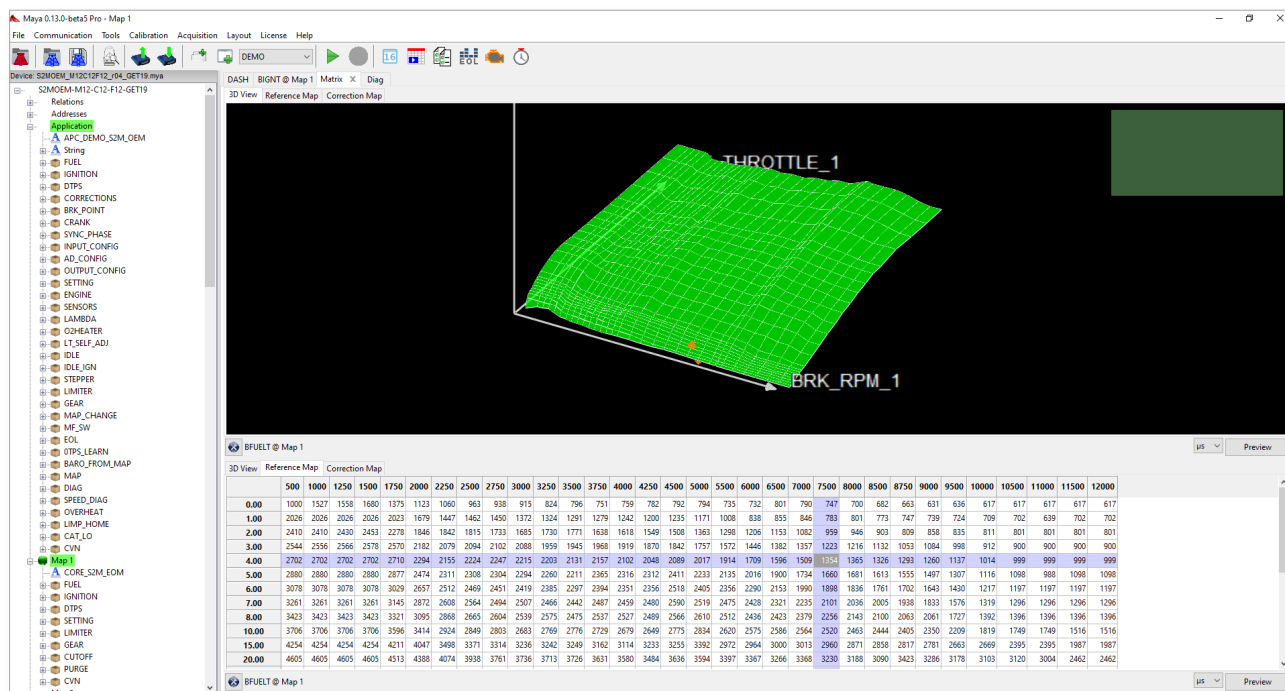
Injection timing correction based on throttle derivative

No

Yes



ENABLED FUNCTIONS	MAYA EVO	MAYA ADVANCED
RPM limiter	Yes (max + 500 RPM)	Yes
Strategic management of the RPM limiter cut-off time	No	Yes
Personal password protection against ECU data access	Yes	Yes
Injection data correction based on engine temperature	No	Yes
Injection data correction based on barometric pressure	No	Yes
Injection data correction during crank	No	Yes
Map breakpoint management	No	Yes
Calibration of input signals from wheel speed sensors (optional)	No	Yes
Quick shifter cut-off time management	Yes	Yes
Lambda display and analysis	Yes	Yes
Lambda display and analysis with linearization and target	Yes	Yes
ECU diagnosis	Yes	Yes
Select the operating level for dynamic power control	Yes	Yes
Real Time Data Display (Graph)	No	Yes



Application

MAP_READ_MODE	00000000	-	+
BARO_FILTER_CONST	0.996	-	+
FLAG_RPM_1	0	-	+
FLAG_RPM_2	0	-	+
IGN2_TEMPERATURE_TH	200	-	+ °C
IGN2_TEMPERATURE_OFFSET	0.0	-	+ deg
TEETH	24	-	+ teeth
TDC_1	19	-	+ tooth
DELAYCYL2	-0.0	-	+ deg
FLYWHEEL_TYPE	7	-	+
KBUCO_SLOW	1.60	-	+
KBUCO_FAST	1.60	-	+
WASTED_SPARK_RUN	1	-	+
SYNC_PHASE_ACCEL_TOOTH	20	-	+

OK Cancel

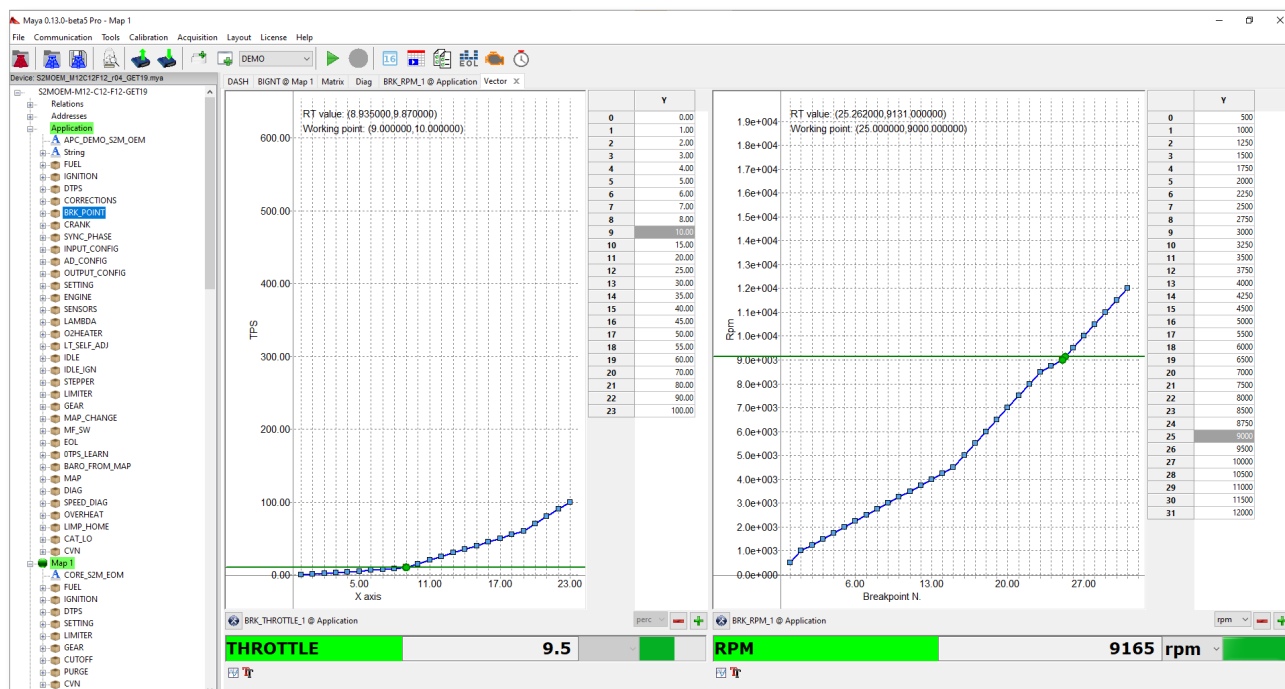
Diagnostic Flags

Error Code	Count	Description	Status
P0107	0	P0107 Manifold Absolute Pressure/Barometric Pressure Circuit Low Input	OK
P0108	6	P0108 Manifold Absolute Pressure/Barometric Pressure Circuit High Input	ERROR
P0109	0	P0109 Manifold Absolute Pressure/Barometric Pressure Circuit Intermittent	OK
P0112	0	P0112 Intake Air Temperature Circuit Low Input	OK
P0113	10	P0113 Intake Air Temperature Circuit High Input	ERROR
P0114	0	P0114 Intake Air Temperature Circuit Intermittent	OK
P0117	0	P0117 Engine Coolant Temperature Circuit Low Input	OK
P0118	7	P0118 Engine Coolant Temperature Circuit High Input	ERROR
P0119	0	P0119 Engine Coolant Temperature Circuit Intermittent	OK
P0122	1	P0122 Throttle Position Sensor/Switch A Circuit Low Input	ERROR
P0123	1	P0123 Throttle Position Sensor/Switch A Circuit High Input	OK
P0124	0	P0124 Throttle Position Sensor/Switch A Circuit Intermittent	OK
P0131	0	P0131 O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1)	OK
P0132	0	P0132 O2 Sensor Circuit High Voltage (Bank 1 Sensor 1)	OK
P0133	0	P0133 O2 Sensor Circuit Slow Response (Bank 1 Sensor 1)	OK
P0134	0	P0134 O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 1)	OK
P0135	0	P0135 O2 Sensor Heater Circuit Malfunction (Bank 1 Sensor 1)	OK
P0197	0	P0197 Engine Oil Temperature Sensor Low	OK
P0198	0	P0198 Engine Oil Temperature Sensor High	OK

Freeze Frames

Diagnostic variables

Read Reset Close



End of line parameters

ID End Of Line System End Of Line Adaptive End Of Line Tuning End Of Line

VEHICLE_ID_NUM

CUSTOMER_ID

ENGINE_NUM

DAY 0

MONTH 0

YEAR 0

TPS1 0.000

Full End of Line

Set End of Line

Read End of Line

Start Calibration Read

Reset End of Line

Stop Calibration Read

Close