

Sample Rate:  -

# VCDS-Lite

Label File: 038-906-019-AVF.LB **Measuring Blocks**

Group    

Injected quantity			
<b>840 /min</b>	<b>5.5 mg/str</b>	<b>6.6 CF</b>	<b>73.8°C</b>
Engine speed 790-870	Injected quantity 3.0-9.0	Spec. Inj. duration 3-8 °Ck.	Coolant temp 80-110°C

Group    

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Group    

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Refer to Service Manual!

Sample Rate:  |

# VCDS-Lite

Label File: 038-906-019-AVF.LB **Measuring Blocks**

Group    

Charge pressure control (3rd gear - 3000rpm - full load)			
<b>819 /min</b>	<b>1056.0</b>	<b>960.0</b>	<b>19.9 %</b>
Engine speed 2850-3150	Spec. intake press. 2200-2400	Actual intake press. 2100-2600	D.cycle MAP 35-80%

Group    

EGR (Exhaust Gases Recycling)			
<b>819 /min</b>	<b>250.0 mg/str</b>	<b>401.8 mg/str</b>	<b>4.8 %</b>
Engine speed 790-870	MAF (specified) 230-310	MAF (actual) 210-350	EGR duty cycle 40-75%

Group    

Unit Injectors valves command			
<b>819 /min</b>	<b>0.0 °ATDC</b>	<b>7.1 CF</b>	<b>1.1 CF</b>
Engine speed 790-870	Spec start of inj. 4BTDC-2ATDC	Spec inj. duration 3-8 °Ck.	Synchro. angle -3..+3°Ck.

Refer to Service Manual!

Sample Rate:  |

## VCDS-Lite

Label File: 038-906-019-AVF.LB Measuring Blocks

Group Idle Speed Smooth Running Control

013	Up Dn	Go!	<b>-1.04 mg/str</b>	<b>0.00 mg/str</b>	<b>1.06 mg/str</b>	<b>-0.07 mg/str</b>
			Cyl 1 -2.8 to +2.8 mg/H	Cyl 2 -2.8 to +2.8 mg/H	Cyl 3 -2.8 to +2.8 mg/H	Cyl 4 -2.8 to +2.8 mg/H

Group EGR (Exhaust Gases Recycling)

003	Up Dn	Go!	<b>840 /min</b>	<b>250.0 mg/str</b>	<b>401.8 mg/str</b>	<b>4.8 %</b>
			Engine speed 790-870	MAF (specified) 230-310	MAF (actual) 210-350	EGR duty cycle 40-75%

Group Unit Injectors valves command

004	Up Dn	Go!	<b>819 /min</b>	<b>0.0 °ATDC</b>	<b>6.6 CF</b>	<b>1.1 CF</b>
			Engine speed 790-870	Spec start of inj. 4BTDC-2ATDC	Spec inj. duration 3-8 °Ck.	Synchro. angle -3..+3°Ck.

Refer to Service Manual!

Switch To Basic Settings
Done, Go Back
VC-Scope
Log

Sample Rate:  -

## VCDS-Lite

Label File: 038-906-019-AVF.LB Measuring Blocks

Group Fuel Consumption

015	Up Dn	Go!	<b>819 /min</b>	<b>4.9 mg/str</b>	<b>0.40 l/h</b>	<b>0.0 mg/str</b>
			Engine speed rpm	Inj Qty (actual)	Fuel Consumption	Inj Qty requested (accelerator)

Group EGR (Exhaust Gases Recycling)

003	Up Dn	Go!	<b>819 /min</b>	<b>250.0 mg/str</b>	<b>387.1 mg/str</b>	<b>4.8 %</b>
			Engine speed 790-870	MAF (specified) 230-310	MAF (actual) 210-350	EGR duty cycle 40-75%

Group Unit Injectors valves command

004	Up Dn	Go!	<b>819 /min</b>	<b>0.0 °ATDC</b>	<b>7.1 CF</b>	<b>1.1 CF</b>
			Engine speed 790-870	Spec start of inj. 4BTDC-2ATDC	Spec inj. duration 3-8 °Ck.	Synchro. angle -3..+3°Ck.

Refer to Service Manual!

Switch To Basic Settings
Done, Go Back
VC-Scope
Log

Sample Rate: 0.8 /

# VCDS-Lite

Label File: 038-906-019-AVF.LB **Measuring Blocks**

Group 018

PD valve status(after 1 min idling- coolant>80°C)

0.0	0.0	0.0	0.0
Cyl 1	Cyl 2	Cyl 3	Cyl 4
0	0	0	0

Group 003

EGR (Exhaust Gases Recycling)

819 /min	250.0 mg/str	396.9 mg/str	4.8 %
Engine speed	MAF (specified)	MAF (actual)	EGR duty cycle
790-870	230-310	210-350	40-75%

Group 004

Unit Injectors valves command

840 /min	0.0 °ATDC	6.6 CF	1.1 CF
Engine speed	Spec start of inj.	Spec inj. duration	Synchro. angle
790-870	4BTDC-2ATDC	3-8 °Ck.	-3..+3°Ck.

Refer to Service Manual!

Sample Rate: 0.8 |

# VCDS-Lite

Label File: 038-906-019-AVF.LB **Measuring Blocks**

Group 018

PD valve status(after 1 min idling- coolant>80°C)

0.0	0.0	0.0	0.0
Cyl 1	Cyl 2	Cyl 3	Cyl 4
0	0	0	0

Group 002

Idle Speed (See label file for #3)

819 /min	0.0%	0 1 0	83.7°C
Engine speed	Throttle pos	Operating Cond/AC	Coolant Temp
790-870	0%	speed/throttle/AC	80-110°C

Group 004

Unit Injectors valves command

819 /min	0.0 °ATDC	6.6 CF	1.1 CF
Engine speed	Spec start of inj.	Spec inj. duration	Synchro. angle
790-870	4BTDC-2ATDC	3-8 °Ck.	-3..+3°Ck.

Refer to Service Manual!

Sample Rate:  |

# VCDS-Lite

Label File: 038-906-019-AVF.LB

## Measuring Blocks

Group

<input type="text" value="023"/>	<input type="button" value="Up"/>	<input type="button" value="Go!"/>	<b>16.0</b>	<b>-19.0</b>	<b>14.0</b>	<b>-6.0</b>
	<input type="button" value="Dn"/>		(no units)	(no units)	(no units)	(no units)

Group

EGR (Exhaust Gases Recycling)

<input type="text" value="003"/>	<input type="button" value="Up"/>	<input type="button" value="Go!"/>	<b>819 /min</b>	<b>250.0 mg/str</b>	<b>235.2 mg/str</b>	<b>57.8 %</b>
	<input type="button" value="Dn"/>		Engine speed 790-870	MAF (specified) 230-310	MAF (actual) 210-350	EGR duty cycle 40-75%

Group

Unit Injectors valves command

<input type="text" value="004"/>	<input type="button" value="Up"/>	<input type="button" value="Go!"/>	<b>840 /min</b>	<b>0.0 °ATDC</b>	<b>7.1 CF</b>	<b>0.5 CF</b>
	<input type="button" value="Dn"/>		Engine speed 790-870	Spec start of inj. 4BTDC-2ATDC	Spec inj. duration 3-8 °Ck.	Synchro. angle -3..+3°Ck.

Refer to Service Manual!

Sample Rate:  \

# VCDS-Lite

Label File: 038-906-019-AVF.LB

## Measuring Blocks

Group

<input type="text" value="023"/>	<input type="button" value="Up"/>	<input type="button" value="Go!"/>	<b>20.0</b>	<b>-13.0</b>	<b>13.0</b>	<b>-7.0</b>
	<input type="button" value="Dn"/>		(no units)	(no units)	(no units)	(no units)

Group

EGR (Exhaust Gases Recycling)

<input type="text" value="003"/>	<input type="button" value="Up"/>	<input type="button" value="Go!"/>	<b>819 /min</b>	<b>250.0 mg/str</b>	<b>225.4 mg/str</b>	<b>57.0 %</b>
	<input type="button" value="Dn"/>		Engine speed 790-870	MAF (specified) 230-310	MAF (actual) 210-350	EGR duty cycle 40-75%

Group

Idle Speed Smooth Running Control

<input type="text" value="013"/>	<input type="button" value="Up"/>	<input type="button" value="Go!"/>	<b>-1.11 mg/str</b>	<b>0.07 mg/str</b>	<b>1.13 mg/str</b>	<b>-0.09 mg/str</b>
	<input type="button" value="Dn"/>		Cyl 1 -2.8 to +2.8 mg/H	Cyl 2 -2.8 to +2.8 mg/H	Cyl 3 -2.8 to +2.8 mg/H	Cyl 4 -2.8 to +2.8 mg/H

Refer to Service Manual!

Sample Rate:  -

## VCDS-Lite

Label File: 038-906-019-AVF.LB **Basic Settings**

Group EGR (Exhaust Gases Recycling)

003	Up Dn	Go!	<b>1407 /min</b> <small>Engine speed 790-870</small>	<b>EGR Off</b> <small>MAF (specified) 230-310</small>	<b>431.2 mg/str</b> <small>MAF (actual) 210-350</small>	<b>19.9 %</b> <small>EGR duty cycle 40-75%</small>
Group						
001	Up Dn	Go!	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Group						
002	Up Dn	Go!	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

File Name:  Browse

Sample Rate:  /

## VCDS-Lite

Label File: 038-906-019-AVF.LB **Basic Settings**

Group EGR (Exhaust Gases Recycling)

003	Up Dn	Go!	<b>1407 /min</b> <small>Engine speed 790-870</small>	<b>EGR On</b> <small>MAF (specified) 230-310</small>	<b>161.7 mg/str</b> <small>MAF (actual) 210-350</small>	<b>64.5 %</b> <small>EGR duty cycle 40-75%</small>
Group						
001	Up Dn	Go!	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Group						
002	Up Dn	Go!	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

File Name:  Browse

VCDS-Lite: Measuring Blocks / Basic Settings

Sample Rate: 2.5 \

## VCDS-Lite

Label File: 038-906-019-AVF.LB Basic Settings

Group Charge pressure control (3rd gear - 3000rpm - full load)

011	Up Dn	Go!	<b>1407 /min</b>	<b>OFF</b>	<b>924.0</b>	<b>99.6 %</b>
			Engine speed 2850-3150	Spec. intake press. 2200-2400	Actual intake press. 2100-2600	D.cycle MAP 35-80%

Group

001	Up Dn	Go!				
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Group

002	Up Dn	Go!				
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File Name: Logs\LOG-01-011-xxx-xxx.CSV Browse 5

B. Setting Stop Done, Close Marker

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VCDS-Lite: Measuring Blocks / Basic Settings

Sample Rate: 0.8 |

## VCDS-Lite

Label File: 038-906-019-AVF.LB Measuring Blocks

Group EGR (Exhaust Gases Recycling)

003	Up Dn	Go!	<b>819 /min</b>	<b>285.0 mg/str</b>	<b>284.2 mg/str</b>	<b>55.0 %</b>
			Engine speed 790-870	MAF (specified) 230-310	MAF (actual) 210-350	EGR duty cycle 40-75%

Group Injected Quantity(IQ) limitation (3rd gear - 3000rpm - full load)

008	Up Dn	Go!	<b>819 /min</b>	<b>0.0 mg/str</b>	<b>30.5 mg/str</b>	<b>20.9 mg/str</b>
			Engine speed 2850-3150	IQ driver's req 65-70	IQ via rpm(Torq) 47-51	IQ via MAF 47-60

Group Idle Speed Smooth Running Control

013	Up Dn	Go!	<b>-2.21 mg/str</b>	<b>0.33 mg/str</b>	<b>2.21 mg/str</b>	<b>-0.33 mg/str</b>
			Cyl 1 -2.8 to +2.8 mg/H	Cyl 2 -2.8 to +2.8 mg/H	Cyl 3 -2.8 to +2.8 mg/H	Cyl 4 -2.8 to +2.8 mg/H

Refer to Service Manual!

Switch To Basic Settings Done, Go Back VC-Scope Log