

Comfort Unit
for OPEL-Vauxhall
Astra-H, Vectra-C, and Zafira-B automobiles



User Guide – 1st Addendum

Module Type:	OCU-01	Firmware Version:	≥ 4.4xx / 12.02.2017
Document Version:	1.5	Released Date:	February 12, 2017

Z28NEH, Z28NEL and Z28NET - List of Displayed Parameters

#	ACRONYM	UNIT	PARAMETER DESCRIPTION	NOTE
00	—	—	Invisible Line	vertical space between lines
01	VSS	km/h mph	Vehicle Speed	PID \$0D
02	ERPM	rpm	Engine RPM	PID \$0C
03	CLV	%	Calculated Load Value	PID \$04
04	ECT	°C	Engine Coolant Temperature	PID \$05
05	BOOST	kPa	Boost Pressure	
06	BOOSTR	kPa	Boost Pressure Relative to Barometric Pressure	BOOSTR = BOOST – BARO
07	CMDBOOST	kPa	Commanded Boost Pressure	
08	SHRTFT	%	B1 (Bank 1) Short Term Fuel Trim	PID \$06
09	LONGTFT	%	B1 (Bank 1) Long Term Fuel Trim	PID \$07

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#	ACRONYM	UNIT	PARAMETER DESCRIPTION	NOTE
10	EQ_RAT11	-	B1S1 Equivalence Ratio (lambda)	PID \$34
11	EQ_RAT	-	Commanded Equivalence Ratio (lambda)	PID \$44
12	CATEMP11	°C	B1S1 (Bank 1, Sensor 1) Catalyst Temperature	PID \$3C
13	FRP	kPa	Fuel Rail Pressure	PID \$0A
14	SPARADV	°	Ignition Timing Advance for #1 Cylinder	PID \$0E
15	IAT	°C	Intake Air Temperature	PID \$0F
16	MAF	g/s	Mass Air Flow Rate	PID \$10
17	BARO	kPa	Barometric Pressure	PID \$33
18	UBAT	V	Battery Voltage	
19	EOT	°C	Engine Oil Temperature	[1]
20	EOP	kPa	Engine Oil Pressure	[1]
21	EOPR	kPa	Engine Oil Pressure Relative to Barometric Pressure	EOPR = EOP – BARO [1]

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#	ACRONYM	UNIT	PARAMETER DESCRIPTION	NOTE
22	EGT	°C	Exhaust Gas Temperature	[1]
23	TCJT	°C	Thermocouple Cold Junction Temperature (Engine Compartment Temperature)	[1]

PID Reference: ISO 15031-5:2006 Road vehicles - Communication between vehicle and external equipment for emissions-related diagnostics - Part 5: Emissions - related diagnostic services

[1] Engine Data Acquisition Unit (EDAU) installation is required

www.pepas.cz/pdf/EN_IG_EDAU-01.pdf

Z20LEH, Z20LEL and Z20LER - List of Displayed Parameters

#	ACRONYM	UNIT	PARAMETER DESCRIPTION	NOTE
00	—	—	Invisible Line	vertical space between lines
01	VSS	km/h mph	Vehicle Speed	PID \$0D
02	VACC	m/s ²	Vehicle Acceleration	PID \$10
03	ERPM	rpm	Engine RPM	PID \$0C
04	ECT	°C	Engine Coolant Temperature	PID \$05
05	NORMEOT	—	Normal Engine Operating Temperature	active / inactive signalization
06	FLOADE	—	Full Load Enrichment	active / inactive signalization
07	CLV	%	Calculated Load Value	PID \$04
08	CPP	%	Calculated Pedal Position	
09	CTP	%	Calculated Throttle Position	
10	BOOST	kPa	Boost Pressure	
11	BOOSTR	kPa	Boost Pressure Relative to Barometric Pressure	BOOSTR = BOOST – BARO

Z20LEH, Z20LEL and Z20LER - List of Displayed Parameters

#	ACRONYM	UNIT	PARAMETER DESCRIPTION	NOTE
12	BARO	kPa	Barometric Pressure	PID \$33
13	MAF	g/s	Mass Air Flow Rate	PID \$10
14	IAT	°C	Intake Air Temperature	PID \$0F
15	AAT	°C	Ambient Air Temperature	
16	INJTIM	ms	Injector Time	
17	FUELLVL	L gal	Fuel Level Sensor	
18	IGNDTIM	ms	Ignition Dwell Time	
19	IGNSANG	°CA	Ignition Spark Angle	
20	SPARADV	°	Ignition Timing Advance for #1 Cylinder	PID \$0E
21	KNOCKSS	V	B1 (Bank 1) Knock Sensor Signal	
22	KR-CYL1	°CA	Knock Retard Cylinder 1	
23	KR-CYL2	°CA	Knock Retard Cylinder 2	

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#	ACRONYM	UNIT	PARAMETER DESCRIPTION	NOTE
24	KR-CYL3	°CA	Knock Retard Cylinder 3	
25	KR-CYL4	°CA	Knock Retard Cylinder 4	
26	SHTFT11	%	B1S1 (Bank 1, Sensor 1) Short Term Fuel Trim	PID \$14
27	SHTFT12	%	B1S2 (Bank 1, Sensor 2) Short Term Fuel Trim	PID \$15
28	LONGTFT	%	B1 (Bank 1) Long Term Fuel Trim	PID \$07
29	O2S11	mV	B1S1 (Bank 1, Sensor 1) O ₂ Sensor	
30	O2S12	mV	B1S2 (Bank 1, Sensor 2) O ₂ Sensor	
31	CATPROE	—	B1 (Bank 1) Catalyst Protection Enrichment	active / inactive signalization
32	FANCTRL	—	Fan Control 1, 2 and 3	active / inactive signalizations
33	ACP	kPa	A/C (Air Conditionig) Pressure	
34	UBAT	V	Battery Voltage	
35	EOT	°C	Engine Oil Temperature	[2]
36	EOP	kPa	Engine Oil Pressure	[2]

Z20LEH, Z20LEL and Z20LER - List of Displayed Parameters

#	ACRONYM	UNIT	PARAMETER DESCRIPTION	NOTE
37	EOPR	kPa	Engine Oil Pressure Relative to Barometric Pressure	EOPR = EOP – BARO [2]
38	EGT	°C	Exhaust Gas Temperature	[2]
39	TCJT	°C	Thermocouple Cold Junction Temperature (Engine Compartment Temperature)	[2]

[2] Engine Data Acquisition Unit (EDAU) installation is required

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