



SRT / SRAE SOFTWARE DOCUMENTATION SUPER-USER

17. LIST OF ERROR CODES

chapter 17

Release : 5.0



REVISIONS DOCUMENT

<i>Release</i>	<i>Author</i>	<i>Date</i>	<i>Modifications</i>
1.0	M.Mersier	03/19/2004	<ul style="list-style-type: none">• Creation (SRA)
2.0	M.Mersier	09/19/2004	<ul style="list-style-type: none">• Adding Error List for DASHBOARD• Update (SRT/SRAE)
3.0	M.Mersier	20/02/2007	<ul style="list-style-type: none">• Update (SRT/SRAE)
4.0	F.Charbonnel	05/2009	<ul style="list-style-type: none">• Added Diagnostics
5.0	M.Mereghetti	02/2010	<ul style="list-style-type: none">• Added Diagnostics Rear Brake



17.1 Diagnostics.



17.1.1 Diagnostics SRT

CC: Court circuit, CO: Circuit Ouvert, OUT: Valeur Out of Range

	bit 16	bit 15	bit 14	bit 13	bit 12	bit 11	bit 10	bit 9	bit 8	bit 7	bit 6	bit 5	bit 4	bit 3	bit 2	bit 1
Hexa Val	0x8000	0x4000	0x2000	0x1000	0x0800	0x0400	0x0200	0x0100	0x0080	0x0040	0x0020	0x0010	0x0008	0x0004	0x0002	0x0001
DiagHB_VVT	HB Under Voltage		HB CC VBAT	HB CC GND	HB CO	Over T°C HB	Warning T°C HB	Def Mot Pap								VVT Def Asserv
VRSDiags							CAM not PHASED	WRONG CAM	SYNCLOST by GAP	Virtual TOOTH	SYNCLOST by SMOT	SMOT recovery	CAM Out of window	NOISE	No CAM	No SMOT
EtatPap										Pap: Def 3 Regul	Pap: Def 2 Regul	Pap: Def 1 Regul	Def Pap cohérence	Def Elec sur 2 Pap	Def Pdl cohérence	Def Elec sur 2 Pdl
DiagAcqAna0																CHTPAP Changt piste
DiagAcqAna1	PESS CC	PESS CO	POIL CC	POIL CO		PADM OUT	PATM CC	PATM CO	PDL2 CC	PDL2 CO	PDL1 CC	PDL1 CO	PAP2 CC	PAP2 CO	PAP1 CC	PAP1 CO
DiagAcqAna2	BARREL OUT	LBDA OUT	ROTLIMDEP	VBATT OUT	NTURBO OUT	TCK2 OUT	ROT FINLIMDEP	TCK1 OUT	TFUEL CC	TFUEL CO	TOIL CC	TOIL CO	TAIR CC	TAIR CO	TEAU CC	TEAU CO
DiagAcqAna3													FBRAKEP CC	FBRAKEP CO	ROT TCTRLVL	FBRAKEP CC
DiagWheels													Def RR	Def RL	Def FR	Def FL
FlagInjCO									INJ8 CO	INJ7 CO	INJ6 CO	INJ5 CO	INJ4 CO	INJ3 CO	INJ2 CO	INJ1 CO
FlagInjCC									INJ8 CC	INJ7 CC	INJ6 CC	INJ5 CC	INJ4 CC	INJ3 CC	INJ2 CC	INJ1 CC
FlagOutCO					LS7 CO	LS6 CO	LS5 CO	LS4 CO	LS3 CO	LS2 CO	LS1 CO	Heat LBD1 CO	ELV4 CO	ELV3 CO	ELV2 CO	ELV1 CO
FlagOutCC					LS7 CC	LS6 CC	LS5 CC	LS4 CC	LS3 CC	LS2 CC	LS1 CC	Heat LBD1 CC	ELV4 CC	ELV3 CC	ELV2 CC	ELV1 CC
FlagBobCO									BOB8 CO	BOB7 CO	BOB6 CO	BOB5 CO	BOB4 CO	BOB3 CO	BOB2 CO	BOB1 CO
FlagBobCC									BOB8 CC	BOB7 CC	BOB6 CC	BOB5 CC	BOB4 CC	BOB3 CC	BOB2 CC	BOB1 CC



Diagnostics SRAE

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DiagHB_VVT	HB Under Voltage		HB CC VBAT	HB CC GND	HB CO	Over T°C HB	Warning T°C HB	Def Mot Pap								VVT Def Asserv
VRSDiags							CAM not PHASED	WRONG CAM	SYNCLOST by GAP	Virtual TOOTH	SYNCLOST by SMOT	SMOT recovery	CAM Out of window	NOISE	No CAM	No SMOT
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DiagAcqAna0																CHTPAP Changt piste
DiagAcqAna1	PESS CC	PESS CO	POIL CC	POIL CO		PADM OUT	PATM CC	PATM CO	PDL2 CC	PDL2 CO	PDL1 CC	PDL1 CO	PAP2 CC	PAP2 CO	PAP1 CC	PAP1 CO
DiagAcqAna2	BARREL OUT	LBDA OUT	ROTLIMDEP	VBATT OUT	NTURBO OUT	TCK2 OUT	ROT FINLIMDEP	TCK1 OUT	TFUEL CC	TFUEL CO	TOIL CC	TOIL CO	TAIR CC	TAIR CO	TEAU CC	TEAU CO
DiagAcqAna3														ROT TCTRLVL	FBRAKEP CC	FBRAKEP CO
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FlagBobCC									BOB8 CC	BOB7 CC	BOB6 CC	BOB5 CC	BOB4 CC	BOB3 CC	BOB2 CC	BOB1 CC



17.1.2 Diagnostics SRD

CC: Court circuit, CO: Circuit Ouvert, OUT: Valeur Out of Range

	bit 16	bit 15	bit 14	bit 13	bit 12	bit 11	bit 10	bit 9	bit 8	bit 7	bit 6	bit 5	bit 4	bit 3	bit 2	bit 1
Hexa Val	0x8000	0x4000	0x2000	0x1000	0x0800	0x0400	0x0200	0x0100	0x0080	0x0040	0x0020	0x0010	0x0008	0x0004	0x0002	0x0001
DiagHB_VVT	HB Under Voltage		HB CC VBAT	HB CC GND	HB CO	Over T°C HB	Warning T°C HB	Def Mot Pap								VVT Def Asserv
VRSDiags							CAM not PHASED	WRONG CAM	SYNCLOST by GAP	Virtual TOOTH	SYNCLOST by SMOT	SMOT recovery	CAM Out of window	NOISE	No CAM	No SMOT
EtatPap										Pap: Def 3 Regul	Pap: Def 2 Regul	Pap: Def 1 Regul	Def Pap cohérence	Def Elec sur 2 Pap	Def Pdl cohérence	Def Elec sur 2 Pdl
DiagAcqAna0																CHTPAP Changt piste
DiagAcqAna1	PESS CC	PESS CO	POIL CC	POIL CO		PADM OUT	PATM CC	PATM CO	PDL2 CC	PDL2 CO	PDL1 CC	PDL1 CO	PAP2 CC	PAP2 CO	PAP1 CC	PAP1 CO
DiagAcqAna2	BARREL OUT	LBDA OUT	ROTLIMDEP	VBATT OUT	NTURBO OUT	TCK2 OUT	ROT FINLIMDEP	TCK1 OUT	TFUEL CC	TFUEL CO	TOIL CC	TOIL CO	TAIR CC	TAIR CO	TEAU CC	TEAU CO
DiagAcqAna3															ROT TCTRLVL	FBRAKEP CC
DiagWheels														Def RR	Def RL	Def FL
FlagOutCO					LS7 CO	LS6 CO	LS5 CO	LS4 CO	LS3 CO	LS2 CO	LS1 CO	Heat LBD1 CO	ELV4 CO	ELV3 CO	ELV2 CO	ELV1 CO
FlagOutCC					LS7 CC	LS6 CC	LS5 CC	LS4 CC	LS3 CC	LS2 CC	LS1 CC	Heat LBD1 CC	ELV4 CC	ELV3 CC	ELV2 CC	ELV1 CC
FlagBobCO									BOB8 CO	BOB7 CO	BOB6 CO	BOB5 CO	BOB4 CO	BOB3 CO	BOB2 CO	BOB1 CO
FlagBobCC									BOB8 CC	BOB7 CC	BOB6 CC	BOB5 CC	BOB4 CC	BOB3 CC	BOB2 CC	BOB1 CC

17.2 Configuration Errors Codes (hexa) .

Error Code (Hex)	Error Type
01	Number of cylinders incoherent
02	Crank wheel incoherent for number of missing teeth
03	Crank wheel incoherent
04	TDC positions incoherent
05	Distribution order incoherent
06	Ignition coil outputs incoherent
07	Injectors 1st Bank (high) outputs incoherent
08	Injectors 2nd Bank (low) outputs incoherent
09	Semi-sequential mode and double injectors banks incompatible
0A	Starting Advance programming on tooth incoherent
1E	Output Heater Lambda1 incorrect
1F	Output Heater Lambda2 incorrect
20	Output "Alarm Lamp" incorrect
21	Output 1 "PWM1" incorrect
22	Output 2 "PWM1" incorrect
23	Output "PWM2 incorrect
24	Output "Strategy 2a incorrect
25	Output "Strategy 2b" incorrect
26	Output "Strategy 3a" incorrect
27	Output "Strategy 3b" incorrect
28	Output "Fuel Pump" incorrect
29	Output "Rev Counter" incorrect
2A	Input "Vehicle Speed" incorrectly configured
2B	Input "Cam" incorrectly configured
2C	Command Fuel Pump by a User Strategy incorrectly configured
2D	Deceleration Cut incorrectly configured
2E	Output "Pre-limiter Lamp" incorrect
2F	Output "Pwm gear position display " incorrect
31	Zone of cutting on Upshift incorrect
33	Input turbo speed incorrectly configured
34	Output LowSide1 of DDU2 incorrectly configured
35	Output LowSide2 of DDU2 incorrectly configured
36	Input Wheel speed FL incorrectly configured
37	Input Wheel speed FR incorrectly configured
38	Input Wheel speed RL incorrectly configured
39	Input Wheel speed RR incorrectly configured
3A	Output ON BOARD DIAGNOSTIC incorrect
40	Number of teeth on the wheel speed incorrect
41	Number of throttle breakpoints incorrect
42	Number of inlet air pressure breakpoints incorrect
43	Number of fuel pressure breakpoints incorrect



44	Number of water temperature breakpoints incorrect
45	Number of air temperature breakpoints incorrect
46	Number of fuel temperature breakpoints incorrect
49	Number of TDCs from engine start breakpoints incorrect
4A	Number of RPM breakpoints (long) incorrect
4B	Number of RPM breakpoints (short) incorrect
4C	Number or tops/rev, for tacho signal, incorrect
4D	Number of pedal breakpoints incorrect
4E	Number of breakpoints for SPEED via CAN0 incorrect
4F	Number of breakpoints for fuel level incorrect
50	Number of boost pressure breakpoints incorrect
51	Number of anti lag boost pressure breakpoints incorrect
52	Input switch « Perfo turbo » already used or choice incorrect
53	Input switch « Start Bangbang activation » already used or choice incorrect
54	Output wastegate already used or invalid selection
55	Output contra pressure already used or invalid selection
56	Output water injector already used or invalid selection
57	Output fresh-air electrovalve already used or invalid selection
58	Output intercooler spray already used or invalid selection
59	Input "SMOT" incorrectly configured
62	Output Pwm VVT incorrect
63	Rotactor ClicRic breakpoints incorrect
70	Output gate Knock incorrect
C0	TDC positions not defined
C1	First TDC position not equal 0

17.3 Dashboard MT940 or MT300 configuration error codes (Hex)

Only if dashboard is configured by ECU

- **01xx** Incorrect Choice of channels with **xx** representing the channel number in default (from 13 to 24).
- **02xy** Incorrect Assignment of channels in windows with **x** representing the page (from 1 to 3) and **y** the window (1 to 5).
- **04xx** Incorrect Choice for the alarms with **xx** representing the line of alarm in error (from 1 to 8).

Choice of conditioning channel incorrect.