

Global test

Expert/Global test

Vehicle\menu_tgref.s : 81_02

	FAMILY NO.	CONTROL UNIT
6 	Built-in systems interface	BSI2010 (6 Faults)

B180E 87	Fault in authenticating the hands-free remote control not present in the reader
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Properties	
Cause	Local
Status	Intermittent
Features	No response to the request

B1161 15	Door sills or third row courtesy lamp control fault
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Properties	
Cause	Local
Status	Intermittent
Features	Open circuit or short circuit to positive

B182A 00	Reversible alternator operating status fault
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Properties	
Cause	Local
Status	Intermittent
Features	Invalid value

B1818 1C	Oil level fault
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Properties

Cause	Local
Status	Intermittent
Features	Signal-outside range

U1F00 00 Fault event not stored in the faults log

Properties

Cause	Local
Status	Present
Features	-

U1F4E 87 Absence of communication with the steering wheel angle sensor

Properties

Cause	Local
Status	Intermittent
Features	-

2



Engine management ECU

DCM3.5_HY (2 Faults)

P0215 Main relay

Properties

Cause	Local
Status	Intermittent
Characterisation of the fault	Poor operation of the relay, the ECU is not being supplied as it should be

List of associated variables

Control of the additional heating relay 1	Inactive	
Control of the additional heating relay 2	Inactive	
Starter motor control	Inactive	
Status of engine	Cut off stalled	
Preheating unit OCR reference value	000	%
Main relay status	Inactive	
Status of the power relay	Inactive	
+IGN status	Inactive	
Minimum voltage of the battery during starting	000.0	V
Calculated load value	000	%
Linearised coolant temperature	055	°C
Turbocharging pressure	494	MBar
Engine speed	0000	Rpm
Vehicle speed	000	Km/h
Intake air temperature	000	°C
Measured air flow	0000	Mg/stroke
Pressure in the rail	0000	Bar
Atmospheric pressure	001	MBar
Battery voltage	12.449	V
Time counter	56458	
Mileage	000000	Km

U1105 Intersystems CAN

Properties

Cause

Distant

Status

Intermittent

Characterisation of the fault

Communication fault with the ESP ECU

List of associated variables

Pedal position consolidated	000	%
Status of engine	Cut off stalled	
Main relay status	Active	
Status of the power relay	Active	
+IGN status	Active	
Minimum voltage of the battery during starting	005.9	V
Calculated load value	000	%
Linearised coolant temperature	047	°C
Turbocharging pressure	988	MBar
Engine speed	0000	Rpm
Vehicle speed	000	Km/h
Intake air temperature	038	°C
Measured air flow	0000	Mg/stroke
Pressure in the rail	0012	Bar
Atmospheric pressure	001	MBar
Battery voltage	13.352	V
Time counter	556968768	
Mileage	253110	Km

4



**Anti-lock Braking System (ABS)
or Electronic Stability Program
(ESP)**



ECU not recognised (4 Faults)

*Down-grade mode: this information is
not guaranteed*

U1008

**ECU not recognized : select the "Fault reading" menu to access the
description of the fault code**

Properties

Cause	Local
Status	Intermittent
Characterisation of the fault	Data invalid

List of associated variables

ECU not recognized : list of associated variables not available

U1007

ECU not recognized : select the "Fault reading" menu to access the description of the fault code

Properties

Cause	Local
Status	Intermittent
Characterisation of the fault	Not characterised

List of associated variables

ECU not recognized : list of associated variables not available

U1325

ECU not recognized : select the "Fault reading" menu to access the description of the fault code

Properties

Cause	Local
Status	Intermittent
Characterisation of the fault	No signal

List of associated variables

ECU not recognized : list of associated variables not available

C1391

ECU not recognized : select the "Fault reading" menu to access the description of the fault code

Properties

Cause	Local
Status	Intermittent
Characterisation of the fault	Not characterised

List of associated variables

ECU not recognized : list of associated variables not available



Automatic or piloted manual gearbox

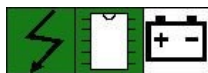
★ **ECU not recognised**
Down-grade mode: this information is not guaranteed



Hybrid mode selector

★ **MCM**
Important, ECU present on the vehicle but configured absent

1



Traction battery ECU

TBMU (1 Faults)

P1B0C

Traction battery

Properties

Cause	Local
Status	Intermittent
Characterisation of the fault	Deviation in the state of charge of the traction battery

List of associated variables

Coolant temperature	57	°C
Speed of rotation of the internal combustion engine	2077.000	rpm

Mileage	253240	Km
Vehicle speed	30.03	Km/h
Voltage of the ancillaries battery	14.3	V
Traction battery voltage	Invalid value	V
Current of the traction battery	Invalid value	A
State of health of the traction battery	80.50	%
Traction battery charge status	34.75	%
Status of the switches of the traction battery	Closed	

9



Hybrid control ECU 1

HCU1 (9 Faults)

U1113 Intersystems CAN

Properties

Cause	Distant
Status	Intermittent fault
Characterisation of the fault	No communication with ABS/ESP ECU

List of associated variables

Vehicle mileage	253110	Km
Speed of rotation of the reversible alternator	3150	Rpm
Operating status of the traction chain	Active	
Traction battery voltage	198.1	V
Current of the traction battery	32.0	A
Status of the electromotor sub-assembly	Electromotor sub-assembly started	

Deliberate press by the driver on the accelerator pedal	0.000	%
Measured voltage of the service battery	13.71	V
Status of the ECU	Unlocked	

U1153 Suspension and wheels CAN

Properties

Cause	Distant
Status	Intermittent fault
Characterisation of the fault	No communication with ABS/ESP ECU

List of associated variables

Vehicle mileage	253110	Km
Speed of rotation of the reversible alternator	2321	Rpm
Operating status of the traction chain	Active	
Traction battery voltage	208.6	V
Current of the traction battery	2.2	A
Status of the electromotor sub-assembly	Electromotor sub-assembly started	
Deliberate press by the driver on the accelerator pedal	0.000	%
Measured voltage of the service battery	14.17	V
Status of the ECU	Unlocked	

C119D Hybrid mode selector

Properties

Cause

Local

Status

Intermittent fault

Characterisation of the fault

No communication

List of associated variables

Vehicle mileage	253110	Km
Speed of rotation of the reversible alternator	2321	Rpm
Operating status of the traction chain	Active	
Traction battery voltage	208.6	V
Current of the traction battery	2.2	A
Status of the electromotor sub-assembly	Electromotor sub-assembly started	
Deliberate press by the driver on the accelerator pedal	0.000	%
Measured voltage of the service battery	14.17	V
Status of the ECU	Unlocked	

U11C6 Hybrid CAN Control network

Properties

Cause

Distant

Status

Intermittent fault

Characterisation of the fault

Absence of communication with the hybrid management ECU 2

List of associated variables

Vehicle mileage	253110	Km
Speed of rotation of the	0	Rpm

reversible alternator

Operating status of the traction chain Active

Traction battery voltage 207.8 V

Current of the traction battery 9.4 A

Status of the electromotor sub-assembly Electromotor sub-assembly started

Deliberate press by the driver on the accelerator pedal 0.000 %

Measured voltage of the service battery 13.30 V

Status of the ECU Unlocked

U1213 Intersystems CAN

Properties

Cause Distant

Status Intermittent fault

Characterisation of the fault Error in length or prohibited value on the ABS/ESP datastream

List of associated variables

Vehicle mileage 253110 Km

Speed of rotation of the reversible alternator 3150 Rpm

Operating status of the traction chain Active

Traction battery voltage 198.1 V

Current of the traction battery 32.0 A

Status of the electromotor sub-assembly Electromotor sub-assembly started

Deliberate press by the driver on the accelerator pedal	0.000	%
Measured voltage of the service battery	13.71	V
Status of the ECU	Unlocked	

U1213 Intersystems CAN

Properties		
Cause	Distant	
Status	Intermittent fault	
Characterisation of the fault	Error in length or prohibited value on the ABS/ESP datastream	
List of associated variables		
Vehicle mileage	253110	Km
Speed of rotation of the reversible alternator	3150	Rpm
Operating status of the traction chain	Active	
Traction battery voltage	198.1	V
Current of the traction battery	32.0	A
Status of the electromotor sub-assembly	Electromotor sub-assembly started	
Deliberate press by the driver on the accelerator pedal	0.000	%
Measured voltage of the service battery	13.71	V
Status of the ECU	Unlocked	

U11C6 Hybrid CAN Control network

Properties		
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Cause

Distant

Status

Intermittent fault

Characterisation of the fault

Absence of communication with the hybrid management ECU 2

List of associated variables

Vehicle mileage

253110

Km

Speed of rotation of the reversible alternator

0

Rpm

Operating status of the traction chain

Active

Traction battery voltage

207.8

V

Current of the traction battery

9.4

A

Status of the electromotor sub-assembly

Electromotor sub-assembly started

Deliberate press by the driver on the accelerator pedal

0.000

%

Measured voltage of the service battery

13.30

V

Status of the ECU

Unlocked

U11C6

Hybrid CAN Control network

Properties

Cause

Distant

Status

Intermittent fault

Characterisation of the fault

Absence of communication with the hybrid management ECU 2

List of associated variables

Vehicle mileage

253110

Km

Speed of rotation of the reversible alternator	0	Rpm
Operating status of the traction chain	Active	
Traction battery voltage	207.8	V
Current of the traction battery	9.4	A
Status of the electromotor sub-assembly	Electromotor sub-assembly started	
Deliberate press by the driver on the accelerator pedal	0.000	%
Measured voltage of the service battery	13.30	V
Status of the ECU	Unlocked	

P0215 Main relay

Properties

Cause	Local
Status	Intermittent fault
Characterisation of the fault	Poor operation of the relay, the ECU is not being supplied as it should be

List of associated variables

Vehicle mileage	0	Km
Speed of rotation of the reversible alternator	0	Rpm
Operating status of the traction chain	At rest	
Traction battery voltage	0.0	V
Current of the traction battery	0.0	A
Status of the electromotor sub-assembly	Deactivated	

Deliberate press by the driver on the accelerator pedal	0.000	%
Measured voltage of the service battery	12.00	V
Status of the direct current converter (DC/DC)	Stand-by	
Temperature of the direct current voltage converter (DC/DC)	20	°C

1



Hybrid control ECU 2

HCU2 (1 Faults)

U1007 Suspension and wheels CAN

Properties

Cause	Distant
Status	Intermittent fault
Characterisation of the fault	Communication impossible

List of associated variables

Vehicle mileage	253255	Km
Speed of rotation of the reversible alternator	0	Rpm
Operating status of the traction chain	Active	
Traction battery voltage	226.2	V
Current of the traction battery	-4.5	A
Deliberate press by the driver on the accelerator pedal	0.000	%
Measured voltage of the service battery	13.5	V



U1305 Speed of rotation of the steering wheel information fault

Properties

Cause	Distant
Status	Intermittent
Characterisation of the fault	No signal

List of associated variables

Time reference	019745489.0	s
Mileage	00253266	km
Vehicle speed	0	km/h
Speed of rotation of the steering wheel	270	°/s
Electropump assembly measured current	0.0	A
Battery voltage	11.5	V
Electropump unit temperature	20	°C
Speed of rotation of the electropump assembly motor	0	Rpm
Engine status	The engine stopped	
Presence of ignition positive	Yes	
Steering status	Not assisted	
Overheating of the electric pump unit	NO	

U1105 Speed of rotation of the steering wheel information fault

Properties

Cause	Distant
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Status

Intermittent

Characterisation of the fault

Speed of rotation of the steering wheel
information absent or lost

List of associated variables

Time reference	019743174.0	s
Mileage	00253264	km
Vehicle speed	0	km/h
Speed of rotation of the steering wheel	200	°/s
Electropump assembly measured current	9.0	A
Battery voltage	14.0	V
Electropump unit temperature	20	°C
Speed of rotation of the electropump assembly motor	2203	Rpm
Engine status	Engine running	
Presence of ignition positive	Yes	
Steering status	Power steering	
Overheating of the electric pump unit	NO	



Battery charge status control unit BECB_GEN2



Diesel additive pump

POMPE_MUX_TI



Electric secondary brake

FSE



Dynamic headlamp height
adjuster

LADCT (2 Faults)

2

U1105

No communication on the CAN with the steering wheel angle sensor

Properties

Cause	Local
Status	Intermittent
Characterisation of the fault	Not characterised

List of associated variables

No value to display

U1213

Fault in the vehicle speed information received by the CAN from the ABS or ESP ECU: Value not valid

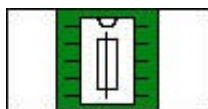
Properties

Cause	Local
Status	Intermittent
Characterisation of the fault	Not characterised

List of associated variables

No value to display

4



Engine wiring housing

★ **BSM_2010 (4 Faults)**

Important, ECU present on the vehicle but configured absent

B1137 15

Fault right dipped headlamp

Properties

Status	Intermittent
Features	Short circuit to positive or open circuit

B1138 15

Fault left-hand dipped headlamp output

Properties

Status

Intermittent

Features

Short circuit to positive or open circuit

B1301 13

Control fault of the variable swept volume for a displacement air conditioning compressor

Properties

Status

Intermittent

Features

Open circuit

U1F00 00

Absence of recording in the faults log

Properties

Status

Permanent

Features

Not characterised



Supplies protection and management unit

BPGA2010

1



Service module / Independent telematic unit

BTA (1 Faults)

FD80

GSM module internal fault

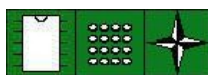
Properties

Cause

Local

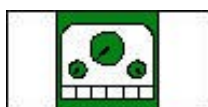
Characterisation of the fault

Not characterised.



Telematic navigator / remote control

CRT_UDS



Instrument panel

COMBINE_UDS



Control panel dot matrix display MATT_C_2010

1



Controls under the steering wheel COM2008P (1 Faults)

B1836 00 Transponder aerial fault

Properties

From

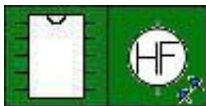
Local

Status

Intermittent

Characterisation of the fault

3



Hands-free unit

BML (3 Faults)

U1F00 00 Event not recorded fault

Properties

Cause

Local

Status

Present

Characterisation of the fault

Not characterised

B1735 07 Accesses locking sensor fault (front right-hand door)

Properties

Cause

Local

Status

Intermittent

Characterisation of the fault

Not characterised

B1737 07 Accesses locking sensor fault (rear right-hand door)

Properties

Cause	Local
Status	Intermittent
Characterisation of the fault	Not characterised



Electronic key reader

LCE



Seat belt not fastened warning lights unit

TNB_2010

1



Rain and brightness sensor

PLUIE_LUMINOSITE_UDS (1 Faults)

U1802 81 Vehicle speed data fault.

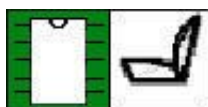
Properties

Status

Intermittent

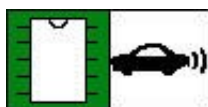
Characterisation of the fault

Data received invalid



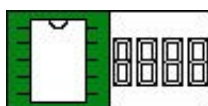
Seat driver position memory module.

BDMC



Parking assistance

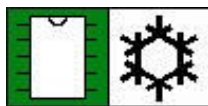
AAS_UDS



Head Up Display

VTH_UDS

2



Air conditioning

CLIM_REGULEE_UDS (2 Faults)

B1310 01 Passenger compartment air blower repeat signal fault

Properties

Status

Permanent

Characterisation of the fault

Not characterised

U1F00 00 Event not stored in the history

Properties

Status

Intermittent

Characterisation of the fault

Not characterised



Telematic unit (RTx) or audio-navigation

★ **ECU not recognised**

Down-grade mode: this information is not guaranteed

2



Airbags and pretensioners ECU

RBG_UDS (2 Faults)

B1400 64

CAN + supply voltage fault

Properties

Status

Intermittent

Characterisation of the fault

Signal plausibility fault

List of associated variables

Number of the downgrade mode

2

Type of event of the fault

Appearance

Time since last reconnection of the battery

0.6

s

Vehicle mileage

253295.7

Km

Status of the electrical network

Engine not running : operational

Vehicle configuration mode

Customer

Position of the BSI shunt

Customer

Status of the Vehicle Electrical System

Off

Status of power train

The engine stopped

Vehicle speed

0.00

Km/h

Supply voltage measured at the

2.7

Volt

terminals of the ECU

Number of the downgrade
mode

2

Type of event of the fault

Disappearance

Time since last reconnection of
the battery

???

s

Vehicle mileage

0.0

Km

Status of the electrical network

Engine not running : operational

Vehicle configuration mode

Customer

Position of the BSI shunt

Park

Status of the Vehicle Electrical
System

Off

Status of power train

The engine stopped

Vehicle speed

0.00

Km/h

Supply voltage measured at the
terminals of the ECU

12.2

Volt

U1F00 00

Fault not recorded in the built-in systems interface faults log

Properties

Status

Permanent

Characterisation of the fault

Not characterised

List of associated variables

Number of the downgrade
mode

1

Type of event of the fault

Appearance

Time since last reconnection of
the battery

3.9

s

Vehicle mileage

253295.2

Km

Status of the electrical network

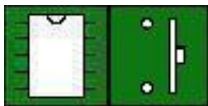
Engine not running : operational

Vehicle configuration mode	Customer	
Position of the BSI shunt	Customer	
Status of the Vehicle Electrical System	Off	
Status of power train	The engine stopped	
Vehicle speed	0.00	Km/h
Supply voltage measured at the terminals of the ECU	12.2	Volt



Controls on the steering wheel /
integral controls steering wheel

VCI



Multifunction control panel

FMUX



Clock

HORL (1 Faults)

B1004 96

ECU internal fault

Properties

Status Intermittent

Characterisation of the fault Not characterised



Windscreen wiper

ESSUIV_UDS



Electric steering lock

AVE



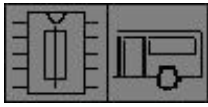
Vibrators control ECU

Not present



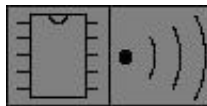
UNDER-INFLATION DETECTION

Not present



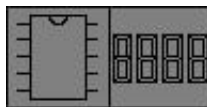
Trailer relay unit

Not present



Anti-theft alarm

Not present



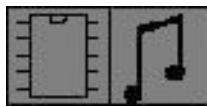
Multifunction screen

Not present



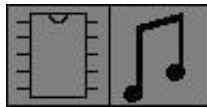
Multifunction video camera (CMF)

Not present



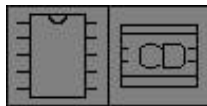
Audio amplifier

Not present



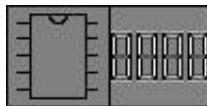
Radio

Not present



External CD player

Not present



Touch screen

Not present

Help