Cranbury, New Jersey Multiple Vehicle Accident

HWY14MH012

Attachment 4 to Vehicle Data Recorders, Specialist's Factual Report

VIN	WD3PE8CC1C5	**Model series/model designation**	906.635
Order number		**License plate**	

Control unit version

Control unit: ARCADE906

Control unit	ARCADE906
MB number	906 901 47 00
Supplier	Bosch
Hardware status	10/39
Software status	07/14
Diagnosis identifier	13/4
Version (internal)	Q2_LowLine_0D04

File name: F:\Programme\DAS\bin\..\trees\transp\906\srs\arcade\sgscreen\svSRS.s

Cell co-ordinate: 3 , 3

VIN	WD3PE8CC1C5██████	**Model series/model designation**	906.635
Order number		**License plate**	

Stored fault codes

Control unit: ARCADE906

Code	Text	Status
9013	S68/1 (Driver seat belt buckle switch) - Open circuit	STORED

Name	Current values (first/last)	Unit
Fault / Event	Fault	
Odometer reading (when fault first occurred)	54032	km
Odometer reading (when fault last occurred)	54032	km
Frequency counter	1	
Operating cycle counter	Not present	

Code	Text	Status
9250	R12/2 (Front passenger ETR [GUS] squib) - Resistance too large	Current and stored

Name	Current values (first/last)	Unit
Fault / Event	Fault	
Odometer reading (when fault first occurred)	58320	km
Odometer reading (when fault last occurred)	58320	km
Frequency counter	1	
Operating cycle counter	Not present	

Code	Text	Status
9200	R12/3 (Driver airbag squib) - Resistance too large	Current and stored

Name	Current values (first/last)	Unit
Fault / Event	Fault	
Odometer reading (when fault first occurred)	58320	km
Odometer reading (when fault last occurred)	58320	km

| Frequency counter | 1 | |
| Operating cycle counter | Not present | |

| 9220 | R12/4 (Front passenger airbag squib) - Resistance too large | | STORED |

Name	Current values (first/last)	Unit
Fault / Event	Fault	
Odometer reading (when fault first occurred)	58320	km
Odometer reading (when fault last occurred)	58320	km
Frequency counter	2	
Operating cycle counter	Not present	

| 9223 | R12/4 (Front passenger airbag squib) - Short circuit to ground | | STORED |

Name	Current values (first/last)	Unit
Fault / Event	Fault	
Odometer reading (when fault first occurred)	58320	km
Odometer reading (when fault last occurred)	58320	km
Frequency counter	1	
Operating cycle counter	Not present	

| 9221 | R12/4 (Front passenger airbag squib) - Resistance too small | | Current and stored |

Name	Current values (first/last)	Unit
Fault / Event	Fault	
Odometer reading (when fault first occurred)	58320	km
Odometer reading (when fault last occurred)	58320	km
Frequency counter	1	
Operating cycle counter	Not present	

File name :   F:\Programme\DAS\bin\..\trees\transp\906\srs\arcade\sgscreen\gfSRS01.s

Cell co-ordinate :   5 , 5

VIN	WD3PE8CC1C5█████	**Model series/model designation**	906.635
Order number		**License plate**	

Current fault codes

Control unit: ARCADE906

Code	Text		Status
9250	R12/2 (Front passenger ETR [GUS] squib) - Resistance too large		Current and stored

Name	Current values (first/last)	Unit
Fault / Event	Fault	
Odometer reading (when fault first occurred)	58320	km
Odometer reading (when fault last occurred)	58320	km
Frequency counter	1	
Operating cycle counter	Not present	

Code	Text		Status
9200	R12/3 (Driver airbag squib) - Resistance too large		Current and stored

Name	Current values (first/last)	Unit
Fault / Event	Fault	
Odometer reading (when fault first occurred)	58320	km
Odometer reading (when fault last occurred)	58320	km
Frequency counter	1	
Operating cycle counter	Not present	

Code	Text		Status
9221	R12/4 (Front passenger airbag squib) - Resistance too small		Current and stored

Name	Current values (first/last)	Unit
Fault / Event	Fault	
Odometer reading (when fault first occurred)	58320	km
Odometer reading (when fault last occurred)	58320	km

Frequency counter	1	
Operating cycle counter	Not present	

File name :   F:\Programme\DAS\bin\..\trees\transp\906\srs\arcade\sgscreen\afSRS01.s

Cell co-ordinate :   5 , 5

VIN	WD3PE8CC1C5 ▮▮▮▮▮	**Model series/model designation**	906.635
Order number		**License plate**	

Control module data

Control unit: ARCADE906

No.	Name	Actual values
005	Selftest	COMPLETED
006	Control module is in trigger-ready state.	YES
321	Control module is interlocked.	YES
322	Tester identification	90556800
004	A crash event has occurred.	YES

File name: F:\Programme\DAS\bin\..\trees\transp\906\srs\arcade\sgscreen\cvSRS01.s

Cell co-ordinate: 7 , 4

VIN	WD3PE8CC1C5████████	**Model series/model designation**	906.635
Order number		**License plate**	

Current fault codes

Control unit: TPM21V

Code	Text		Status
A10E	N88/1 (TPM [RDK] control unit) - The voltage supply is too high		Current and stored

Name	Current values (first/last)	Unit
Constant occurrence	Fault/First occurrence of fault:	
Total odometer reading (km)	58320	km
New main odometer reading:	58320	km
Frequency counter	1	
Cycle counter	0	

Code	Text		Status
C431	No CAN message from control unit N10 (SAM control unit).		Current and stored

Name	Current values (first/last)	Unit
Constant occurrence	Fault/First occurrence of fault:	
Total odometer reading (km)	58320	km
New main odometer reading:	58320	km
Frequency counter	1	
Cycle counter	0	

Code	Text		Status
C902	No response from component Antenna 3		Current and stored

Name	Current values (first/last)	Unit
Constant occurrence	Fault/First occurrence of fault:	
Total odometer reading (km)	58320	km
New main odometer reading:	58320	km

Frequency counter	1	
Cycle counter	0	

File name :   F:\Programme\DAS\bin\..\trees\Transp\906\Traktion\TPM21V\sgscreen\afTPM21V.s

Cell   5 , 5
co-ordinate :

VIN	WD3PE8CC1C5░░░░░	**Model series/model designation**	906.635
Order number		**License plate**	

Stored fault codes

Control unit: TPM21V

Code	Text		Status
A10E	N88/1 (TPM [RDK] control unit) - The voltage supply is too high		Current and stored

Name	Current values (first/last)	Unit
Constant occurrence	Fault/First occurrence of fault:	
Total odometer reading (km)	58320	km
New main odometer reading:	58320	km
Frequency counter	1	
Cycle counter	0	

Code	Text		Status
A10D	N88/1 (TPM [RDK] control unit) - The voltage supply is too low.		STORED

Name	Current values (first/last)	Unit
Constant occurrence	Fault/First occurrence of fault:	
Total odometer reading (km)	58320	km
New main odometer reading:	58320	km
Frequency counter	2	
Cycle counter	2	

Code	Text		Status
A10A	Signal via CAN - Undervoltage		STORED

Name	Current values (first/last)	Unit
Constant occurrence	Fault/First occurrence of fault:	
Total odometer reading (km)	58320	km
New main odometer reading:	58320	km
Frequency counter	2	

| Cycle counter | 2 | |

| C431 | No CAN message from control unit N10 (SAM control unit). | | Current and stored |

Name	Current values (first/last)	Unit
Constant occurrence	Fault/First occurrence of fault:	
Total odometer reading (km)	58320	km
New main odometer reading:	58320	km
Frequency counter	1	
Cycle counter	0	

| C902 | No response from component Antenna 3 | | Current and stored |

Name	Current values (first/last)	Unit
Constant occurrence	Fault/First occurrence of fault:	
Total odometer reading (km)	58320	km
New main odometer reading:	58320	km
Frequency counter	1	
Cycle counter	0	

| C011 | CAN bus failure | | Event STORED |

Name	Current values (first/last)	Unit
Constant occurrence	Fault/First occurrence of fault:	
Total odometer reading (km)	The main odometer reading is < NOT AVAILABLE.	
New main odometer reading:	The main odometer reading is < NOT AVAILABLE.	
Frequency counter	17	
Cycle counter	4	

File name :   F:\Programme\DAS\bin\..\trees\Transp\906\Traktion\TPM21V\sgscreen\gfTPM21V.s

Cell co-ordinate :   5 , 5

VIN	WD3PE8CC1C5███████	**Model series/model designation**	906.635
Order number		**License plate**	

Control unit version

Control unit: TPM21V	
Control unit	TPM21V
MB number	906 545 00 16
MB object number for software	9064480637
Supplier	Schrader
Hardware status	08/18
Software status	09/40
Diagnosis identifier	3/1
Version (internal)	Variant_0301

File name :   F:\Programme\DAS\bin\..\trees\transp\906\Traktion\TPM21V\sgscreen\svTPM21V.s

Cell co-ordinate :   3 , 3

VIN	WD3PE8CC1C5███████	**Model series/model designation**	906.635
Order number		**License plate**	

Fault codes / Events

Control unit: CR6NFZ

Code	Text		Status
16CC00	Fill level of AdBlue tank is too low.		STORED

Name	Current values (first/last)	Unit
Frequency counter	3	
Operating cycle counter	The fault has not reoccurred for 17 or more operating cycles.	
Kilometer reading	56016 | 57534	km
Engine speed	--- | ---	
Remaining distance	--- | ---	
Remaining distance	--- | ---	
Status Metering unit	0.0 | 0.0	-
Engine off time	0.0 | 72500.0	s
Fuel tank level	2 | 2	-
Fill level of AdBlue tank	5.00 | 5.00	l
Current AdBlue refill event	6.0 | 6.0	-
Stored AdBlue refill event	5.0 | 4.0	-
Metered AdBlue quantity since refilling	255000.0 | 255000.0	mg
AdBlue metering	255000.0 | 255000.0	mg
Frequency counter 'Possible engine starts'	--- | ---	
Frequency counter (Metering unit)	0 | 0	-
Average temperature in SCR catalytic converter	--- | ---	
Number of possible engine starts	--- | ---	

143200	A frontal impact was detected.		STORED

Name	Current values (first/last)	Unit
Fault freeze frame data have not been read out		

156000	The negative control deviation of exhaust gas recirculation control is too high.		STORED

Name	Current values (first/last)	Unit
Frequency counter	1	
Operating cycle counter	The fault has not reoccurred for 108 or more operating cycles.	
Kilometer reading	52798 | 52798	km
Engine speed	680 | 680	rpm
Current injected quantity	20.0 | 20.0	mm^3/hub
Engine state	3 | 3	-
Exhaust gas recirculation positioner	0.0 | 0.0	%
Exhaust gas recirculation rate (Filtered value)	27.0 | 27.0	%
Boost pressure	1022 | 1022	hPa
Exhaust back pressure upstream of turbocharger	1134 | 1134	hPa
Charge pressure positioner (Specified value)	94.8 | 94.8	%
Exhaust gas recirculation positioner	4.4 | 4.4	%
Throttle valve position	3.2 | 3.2	%
Exhaust gas recirculation rate (specified value)	3.1 | 3.1	%
Return exhaust volume flow rate downstream of exhaust gas recirculation cooler	20.000 | 20.000	Kg/h
Atmospheric pressure	1008 | 1008	hPa
Charge pressure (set value)	1064 | 1064	hPa
Pressure differential in diesel particulate filter	4.118 | 4.118	hPa

109B00	Control unit N3/30 (CDI control unit) has received no LIN message from component G2/7 (Alternator with LIN bus).		CURRENT

Name	Current values (first/last)	Unit
Frequency counter	1	

Operating cycle counter	The operating cycle counter is not supported by the control unit or there is no relevant information available.	
Kilometer reading	58320 | 58320	km
Engine speed	0 | 0	rpm
Current injected quantity	0.0 | 0.0	mm^3/hub
Engine state	1 | 1	-
Battery voltage	11.1 | 11.1	V
Accelerator pedal position	0.0 | 0.0	%
Exhaust gas recirculation positioner	0.0 | 0.0	%
Fan capacity request by engine	0.0 | 0.0	%
Plausibility error EGS Electronic transmission control	16 | 16	-
Current gear	0 | 0	-
Byte 1	0 | 0	-
Byte 2	0 | 0	-
Vehicle speed	0 | 0	km/h
Coolant temperature	22.0 | 22.0	deg C
Air mass	0.000 | 0.000	kg/h
Maximum rail pressure	7.3 | 7.3	bar

16CE00	The test of the AdBlue system has not yet been carried out.		Event CURRENT

Name	Current values (first/last)	Unit
Frequency counter	1	
Operating cycle counter	The operating cycle counter is not supported by the control unit or there is no relevant information available.	
Kilometer reading	58320 | 58320	km
Engine speed	--- | ---	
Remaining distance	--- | ---	
Remaining distance	--- | ---	
Status Metering unit	0.0 | 0.0	-
Engine off time	0.0 | 0.0	s
Fuel tank level	3 | 3	-
Fill level of AdBlue tank	8.00 | 8.00	l
Current AdBlue refill event	6.0 | 6.0	-
Stored AdBlue refill event	5.0 | 5.0	-

Metered AdBlue quantity since refilling	255000.0 | 255000.0	mg
AdBlue metering	255000.0 | 255000.0	mg
Frequency counter 'Possible engine starts'	--- | ---	
Frequency counter (Metering unit)	0 | 0	-
Average temperature in SCR catalytic converter	--- | ---	
Number of possible engine starts	--- | ---	

105F00	One or more signals sent from control unit A1 (Instrument cluster) via the CAN bus is implausible.		Event CURRENT

Name	Current values (first/last)	Unit
Frequency counter	1	
Operating cycle counter	The operating cycle counter is not supported by the control unit or there is no relevant information available.	
Kilometer reading	58320 | 58320	km
Engine speed	0 | 0	rpm
Coolant temperature	22.0 | 22.0	deg C
Ambient temperature	19.0 | 19.0	deg C
Vehicle speed	0 | 0	km/h
Fan operation	0.0 | 0.0	%
Current injected quantity	0.0 | 0.0	mm^3/hub
Operating mode	--- | ---	
Operating mode	1 | 1	-
Fuel temperature	22.0 | 22.0	deg C
Engine oil temperature	27.0 | 27.0	deg C
Intake air temperature	20.0 | 20.0	deg C
Engine off time	0.0 | 0.0	s
Time since engine start	0 | 0	ms
Air mass	0.000 | 0.000	Kg/h
Engine off time	0 | 0	min
Run-on time	0 | 0	ms

124900	No CAN message was received from control unit EGS.		Event STORED

Name	Current values (first/last)	Unit
Frequency counter	1	

Operating cycle counter	The fault has not reoccurred for 103 or more operating cycles.	
Kilometer reading	54042 | 54042	km
Engine speed	0 | 0	rpm
Current injected quantity	0.0 | 0.0	mm^3/hub
Engine state	1 | 1	-
Battery voltage	12.3 | 12.3	V
Accelerator pedal position	0.0 | 0.0	%
Exhaust gas recirculation positioner	0.0 | 0.0	%
Fan capacity request by engine	0.0 | 0.0	%
Plausibility error EGS Electronic transmission control	2 | 2	-
Current gear	13 | 13	-
Byte 1	0 | 0	-
Byte 2	0 | 0	-
Vehicle speed	0 | 0	km/h
Coolant temperature	15.0 | 15.0	deg C
Air mass	0.000 | 0.000	kg/h
Maximum rail pressure	7.3 | 7.3	bar

File name :   F:\Programme\DAS\bin\..\trees\transp\global\Motor\CR6\sgscreen\gfCDI01.s

Cell co-ordinate :   5 , 7

VIN	WD3PE8CC1C5 ▮▮▮▮▮	**Model series/model designation**	906.635
Order number		**License plate**	

Control unit version

Control unit: CR6NFZ

Control unit	CR6NFZ
MB number	005 446 93 40
MB object number for software (CODE)	6429027601
MB object number for software (DATA)	6429034204
MB object number for software (BOOT)	6429027000
Supplier	Bosch
Hardware status	08.44.00
Software status	12.14.00
Diagnosis identifier	020414
Version (internal)	CR6NFZ_Diag_14h
SCN (Software Calibration Number)	0054469340150117
CVN (Calibration verification number)	689DC35E

File name :   F:\Programme\DAS\bin\..\trees\transp\global\Motor\CR6\sgscreen\svCDI.s

Cell co-ordinate :   3 , 3

VIN	WD3PE8CC1C5█████	**Model series/model designation**	906.635
Order number		**License plate**	

Sensor Brake pressure

Control unit: ESP9CEI

No.	Name	Actual values	Unit
033	Brake pressure	32.6	bar
034	Status Brake pressure	VALID	

File name :   F:\Programme\DAS\bin\..\trees\transp\global\traktion\esp9\menues\MnCvEsp9.s

Cell co-ordinate :   31 , 13

VIN	WD3PE8CC1C5████████	**Model series/model designation**	906.635
Order number		**License plate**	

N80b1 (Steering angle sensor)

Control unit: ESP9CEI

No.	Name	Actual values	Unit
031	Steering wheel angle	-22	°
032	Status Steering angle sensor	CALIBRATED	
095	Status Offset of component Steering angle sensor:	SIGNAL VALID	
107	Steering wheel angle	-22.50	°

File name: F:\Programme\DAS\bin\..\trees\transp\global\traktion\esp9\menues\MnCvEsp9.s

Cell co-ordinate: 27 , 13

VIN	WD3PE8CC1C5███████	**Model series/model designation**	906.635
Order number		**License plate**	

Sensor Brake pressure

Control unit: ESP9CEI

No.	Name	Actual values	Unit
033	Brake pressure	-0.6	bar
034	Status Brake pressure	VALID	

File name: F:\Programme\DAS\bin\..\trees\transp\global\traktion\esp9\menues\MnCvEsp9.s

Cell co-ordinate: 31 , 13

VIN	WD3PE8CC1C5█████	Model series/model designation	906.635
Order number		License plate	

Sensor 'Yaw rate, lateral and longitudinal acceleration'

Control unit: ESP9CEI

No.	Name	Actual values	Unit
025	Longitudinal acceleration	0.27	m/s^2
026	Status Longitudinal acceleration	VALID	
***	***	---	
027	Lateral acceleration	-0.49	m/s 2
028	Status Lateral acceleration	VALID	
***	***	---	
029	Yaw rate sensor	0.2	°/s
030	Status Yaw rate sensor	VALID	
***	***	---	
128	Calibration of component Sensor 'Yaw rate, lateral and longitudinal acceleration'	YES	

File name: F:\Programme\DAS\bin\..\trees\transp\global\traktion\esp9\menues\MnCvEsp9.s

Cell co-ordinate: 39 , 13

VIN	WD3PE8CC1C5█████	**Model series/model designation**	906.635
Order number		**License plate**	

Stored fault codes

Control unit: ESP9CEI

Code	Text		Status
C034100	The signal from component Sensor 'Yaw rate, lateral and longitudinal acceleration' is implausible.		STORED

Name	Current values (first/last)	Unit
Event / Fault	---	
Odometer reading (when fault first occurred)	---	
Odometer reading (when fault last occurred)	---	
Frequency counter	---	
Operating cycle counter	---	

Code	Text		Status
C102100	No CAN message from control unit EGS electronic transmission control.		STORED

Name	Current values (first/last)	Unit
Event / Fault	---	
Odometer reading (when fault first occurred)	---	
Odometer reading (when fault last occurred)	---	
Frequency counter	---	
Operating cycle counter	---	

Code	Text		Status
C045400	Component N80b1 (Steering angle sensor) does not function properly. Signal fault		STORED

Name	Current values (first/last)	Unit
Event / Fault	---	
Odometer reading (when fault first occurred)	---	
Odometer reading (when fault last occurred)	---	

Frequency counter	---	
Operating cycle counter	---	

File name :   F:\Programme\DAS\bin\..\trees\transp\global\traktion\esp9\sgscreen\GfEsp9.s

Cell   1 , 3
co-ordinate :

VIN	WD3PE8CC1C5▮▮▮▮	**Model series/model designation**	906.635
Order number		**License plate**	

Control unit version

Control unit: ESP

Control unit	ESP9CEI
MB object number for software	906 902 07 01
HW version	000 901 59 01
Supplier	Bosch
Hardware status	11.11.00
Software status	11.37.00
Diagnosis identifier	003001
Version (internal)	Diag_003001

File name :   F:\Programme\DAS\bin\..\trees\transp\global\traktion\esp9\menues\MnEsp901.s

Cell co-ordinate :   25 , 23