

Premium Automobiles Pte Ltd

55 Ubi Road 1, Singapore 408699

Tel : (65) 6366 2323 Fax : (65) 6841 1183

Supplementary Estimate 1

GST Reg No. 19-9902271-W

AIG Asia Pacific Insurance Pte Ltd

78 Shenton Way
#07-16 AIG Building
Singapore 079120

Attn: Mr. Adrian Ling - Motor Claims Dept
Tel: 6841 0055 - Fax: 6256 4315

Estimate No. PA/OD/0306/2020/NS
Date 11-Apr-20
Service Advisor Glory Tan
Pages 1 of 1
Regn No SJS 8231 D
Model No Audi A3 Sedan 1.0 TFSI 8V

Quantity	Description	Unit Price	Amount
Parts			
1	Battery Console <i>Cre</i>	\$	189.00
2	Shock absorber suspension strut storage <i>#na</i>	\$	117.00
3	Shock absorber deep groove ball thrust bearing <i>na</i>	\$	44.00
4	Seat cushion airbag front RHS ?	\$	1,428.00
5	Backrest cover front RHS ?	\$	2,068.00
6	Gearbox selector mechanism <i>noisy (subject to insurance approval)</i>	\$	1,813.00
Labours			
1	To remove and renew rhs front backrest cover.	S/N \$	780.00
TOTAL			\$ 6,439.00

For Premium Automobiles Pte Ltd

Authorised Signature

Paul
13/04/2020
all parts subject
to insurance approval

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Estimated Labour Charges for Accident Vehicle SJS 8231 D

<u>S/N Nature of Jobs</u>	<u>Estimated Charges</u>	<u>Surveyor's Recommendations</u>
6 to remove and reinstall engine assy with gearbox assy to facilitate car o-liner repairs. Renew accordingly.	S/N \$ 2,800.00	? ✓
⑦ To remove and reinstall front suspension assy with subframe to facilitate car o-liner repairs. Inspect for damages and renew in necessary.	S/N \$ 2,400.00	? photo ✓
8 To renew front windscreen.	S/N \$ 480.00	✓
9 To install solar film for front windscreen.	S/N \$ 400.00	✓
10 to place vehicle on car o-liner.	S/N \$ 1,800.00	? photo
SUB TOTAL LABOUR CHARGES	: <u>\$ 7,880.00</u>	

Premium Automobiles

15, Ubi Road 1, Singapore 408695
Tel: #3166721

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Estimated Labour Charges for Accident Vehicle S15 8231 D

S/N	Nature of Jobs	Estimated Charges	Surveyor's Recommendations
11	to renew turbocharge and other engine compartments.	S/N \$ 980.00	X
12	To remove and transfer rhs front door's multi-lock system and power window devices. Inspect for damages.	S/N \$ 280.00	/
13	To dismantle rhs front door panel trim. To remove and transfer rhs wing mirror assy.	S/N \$ 350.00	/
14	To dismantle and renew front bumper, bonnet, both front fenders, both headlights and rhs front door. (Cut out and reweld rhs fender top support and closing element and (rhs A-lower pillar) Align both front chassis frames to specification of origin. Renew front lock carrier and align to position. Re-organise front crash management components. reinstall all parts removed.	S/N \$ 12,600.00	X
			<p>0.5 (9.5) days side panel RH 4750 + 2000 = 6750 (subject to insurance approval)</p>
15	To respray front bumper, both front fenders, bonnet, hinges, rhs A-pillar, engine compartment, (rhs front fender top support and rhs front door. To carry out joint sealer works and stone chip treatment.	S/N \$ 7,200.00	X
			<p>(6) 2 days panel RH 3300 + 1100 = 4400 (subject to insurance approval)</p>
16	To renew rhs front rim. To carry out pre-repair wheel alignment check and post-repair wheel alignment check.	S/N \$ 520.00	/
17	To carry out diagnostic check.	S/N \$ 384.00	/
TOTAL LABOUR CHARGES		\$ 36,434.00	

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Material List for Accident Vehicle Regn No. SJS 8231 D

		<u>Damage Parts & Prices</u>	
S/N	Parts Description	S/NETT	Remarks
1	FRONT BUMPER <i>de</i>	\$ 1,894.00	
2	FRONT BUMPER FIXING PARTS <i>re</i>	\$ 176.00	
3	FRONT BUMPER GUIDE SECTION - LH / RH <i>ca</i>	\$ 72.00	<i>1pc</i>
4	FRONT BUMPER GRILLE - CENTRE <i>ca</i>	\$ 151.00	
5	FRONT BUMPER CLOSING ELEMENT - LOWER CENTRE <i>ca</i>	\$ 505.00	
6	FRONT BUMPER CLOSING ELEMENT - LH / RH <i>ca</i>	\$ 560.00	<i>1pc</i>
7	FRONT BUMPER COVER TRIM - LH / RH <i>X</i>	\$ 306.00	2
8	WHEEL HOUSING LINER ADAPTER - LH / RH <i>re</i>	\$ 72.00	<i>1pc</i>
9	RADIATOR GRILLE <i>ca</i>	\$ 1,338.00	
10	RADIATOR GRILLE CLOSING ELEMENT <i>ca</i>	\$ 180.00	
11	FRONT BUMPER AIR GUIDE GRILLE - LH / RH <i>ca</i>	\$ 354.00	<i>1pc</i>
12	FRONT BUMPER SIDE REINFORCEMENT BEAM <i>bt</i>	\$ 681.00	
13	FRONT BUMPER FOAM FILLER PIECE <i>ca</i>	\$ 178.00	
14	FOAM FILLER PIECE COVER <i>cut</i>	\$ 115.00	
15	AIRCON STICKER <i>re</i>	NEC \$ 7.00	
16	CAUTION SIGN STICKER <i>re</i>	NEC \$ 13.00	
17	SIGNAL HORN - LH HIGH TONE <i>X</i>	\$ 188.00	
18	SIGNAL HORN RH LOW TONE <i>su</i>	\$ 188.00	
19	FRONT FENDER - LH / RH <i>bt</i>	\$ 1,604.00	2
20	FRONT FENDER ATTACHMENT PARTS <i>re</i>	\$ 68.00	
SUB TOTAL SPARE PARTS		: \$ 8,650.00	

Premium Automobiles

55 Upper Road 1, Singapore 408699
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Material List for Accident Vehicle Regn No. SJS 8231 D

S/N	Parts Description	Damage Parts & Prices		Remarks
		S/NETT		
21	FRONT FENDER BRACKET - RH <i>bt</i> ✓	\$	26.00	
22	FRONT FENDER BRACKET - RH bt ✓	\$	36.00	
23	FRONT FENDER BRACE <i>bt</i> ✓	\$	90.00	
24	FRONT FENDER CLOSING ELEMENT - RH <i>na</i> ✓	\$	31.00	
25	FRONT FENDER INSULATION - RH <i>na</i> ✓	\$	40.00	
26	WHEEL HOUSING LINER SEAL - RH <i>na</i> ✓	\$	32.00	
27	WHEEL HOUSING LINER <i>phub</i> (LH) (RH) <i>de</i> ✓ <i>1pc</i> ✓	\$	318.00	
28	WHEEL HOUSING LINER ATTACHMENT PARTS <i>na</i> ✓	\$	84.00	
29	BONNET <i>bt</i> ✓	\$	2,988.00	
30	BONNET ATTACHMENT PARTS <i>na</i> ✓	\$	155.00	
31	BONNET LID HINGE - LH / RH bt ✓	2 \$	116.00	
32	BONNET GAS FILLED STRUT <i>x</i>	\$	112.00	
33	BONNET CATCH HOOK bt ✓	\$	84.00	
34	BONNET STRIKER - LH / RH bt ?	<i>1pc</i> ✓ \$	208.00	
35	BONNET EDGE PROTECTION <i>na</i> ✓	\$	26.00	
36	BONNET COVER - RH bt <i>de</i> ✓	\$	39.00	
37	WATER BOX SEAL <i>x</i>	\$	56.00	
38	BONNET LID LOCK <i>ca</i> ✓	2 \$	403.00	
39	FLAT CONNECTOR HOUSING ?	\$	13.00	
40	BONNET BOWDEN CABLE - CENTRE <i>x</i>	\$	54.00	
SUB TOTAL SPARE PARTS		\$ 4,911.00		

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Material List for Accident Vehicle Regn No. SJS 8231 D

S/N	Parts Description	Damage Parts & Prices		Remarks
		S/NETT		
41	BONNET LID LOCK CABLE X	\$	69.00	
42	RELEASE HANDLE BRACKET ?	\$	36.00	
43	ACTUATING LEVER X	\$	47.00	
44	WATER BOX SEAL - LH / RH X	2 \$	26.00	
45	BONNET SOUND ABSORBER X	\$	207.00	
46	PLENUM CHAMBER COVER bro cra ✓	\$	169.00	
47	SIDE MEMBER - RH UPPER bt ✓	\$	384.00	
48	LED HEADLIGHT - LH / RH bro ✓	2 \$	10,386.00	
49	MAIN LIGHTS POWER MODULE cra ✓	\$	714.00	
50	LIGHT CONTROL SYSTEM CONTROL UNIT X cut ✓	\$	524.00	
51	LED WITH HEAT SINK - RH bt ✓	\$	689.00	
52	HEADLIGHT HOSE - RH X	\$	38.00	
53	LIFT CYLINDER - LH / RH X (RH) bro ✓	1 set \$	268.00	
54	LIFT CYLINDER HOSE X	\$	64.00	
55	HEADLIGHT WASHER PUMP X	\$	149.00	
56	WINDSCREEN WASHER SYSTEM PUMP X	\$	120.00	
57	WASH WATER RESERVOIR X	\$	190.00	
58	LOCK CARRIER cra ✓	\$	685.00	
59	AIRCON CONDENSER bro bt ✓	\$	519.00	
60	REFRIGERANT LINE bro cut ✓	\$	613.00	
SUB TOTAL SPARE PARTS		: \$ 15,897.00		

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Material List for Accident Vehicle Regn No. SJS 8231 D

S/N	Parts Description	Damage Parts & Prices		Remarks
		S/NETT		
61	REFRIGERANT LINE re cut ✓	\$	471.00	
62	REFRIGERANT LINE BRACKET re bt ✓	\$	25.00	
63	REFRIGERANT LINE DUAL CLIP re ree ✓	\$	29.00	
64	RADIATOR X bt ✓	\$	932.00	
65	ADDITIONAL RADIATOR X bt ✓	\$	851.00	
66	RADIATOR BRACKET X cm ✓	2 \$	78.00	
67	RADIATOR BUSH - LOWER X ree ✓	2 \$	19.00	
68	READY MIX COOLANT ree ✓	\$	169.00	
69	RADIATOR FAN X	\$	1,070.00	
70	RADIATOR AIR GUIDE - LH / RH re cm ✓	2 \$	46.00	
71	RADIATOR AIR GUIDE - UPPER CENTRE X	\$	12.00	
72	EXTERNAL TEMPERATURE SENSOR X	\$	55.00	
73	TEMPERATURE SENSOR BRACKET re ree ✓	\$	18.00	
74	AIR INTAKE AIR DUCT COVER X	\$	28.00	
75	AIR INTAKE AIR GUIDE X	\$	54.00	
76	AIR INTAKE AIR GUIDE X	\$	63.00	
77	AIR INTAKE SEAL X	\$	13.00	
78	AIR INTAKE AIR FILTER X	\$	256.00	
79	AIR INTAKE AIR GUIDE X	\$	19.00	
80	AIR INTAKE WATER DRAINAGE HOSE X	\$	32.00	
SUB TOTAL SPARE PARTS			\$ 4,240.00	

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Material List for Accident Vehicle Regn No. SJS 8231 D

S/N	Parts Description	Damage Parts & Prices		Remarks
		S/NETT		
81	AIR INTAKE MANIFOLD X	\$	131.00	
82	EXHAUST MANIFOLD X	\$	5,049.00	
83	OIL RETURN TUBE O-RING X	2 \$	46.00	
84	INTAKE PIPE GASKET X	2 \$	27.00	
85	CONVERTER AND PIPE GASKET X	\$	19.00	
86	CONVERTER AND PIPE CLAMP X	\$	48.00	
87	COOLANT HOSE X	\$	232.00	
88	COOLANT HOSE X	\$	115.00	
89	AIRCON COMPRESSOR X	\$	2,123.00	
90	CHARGE AIR COOLER X	\$	686.00	
91	CHARGE AIR COOLER SEAL X	\$	13.00	
92	CHARGE AIR COOLER SEAL X	\$	13.00	
93	INTAKE MANIFOLD X	\$	600.00	
94	INTAKE MANIFOLD SEAL X	\$	13.00	
95	SIDE PANEL - RH ?bt ✓	\$	2,063.00	
96	WINDSCREEN ca ✓	\$	1,020.00	
97	RAIN SENSOR GEL FOIL re ✓	\$	130.00	
98	INTERIOR MIRROR SPRING CLIP re ✓	\$	20.00	
99	WATER DEFLECTOR STRIP - RH M13 ✓	\$	87.00	
100	FRONT DOOR - RH bt ✓	\$	2,375.00	
SUB TOTAL SPARE PARTS		: \$ 14,810.00		

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Material List for Accident Vehicle Regn No. SJS 8231 D

S/N	Parts Description	Damage Parts & Prices		Remarks
		S/NETT		
101	FRONT OUTER DOOR SEAL - RH <i>new</i>	NEC	\$ 151.00	
102	BONDING AGENT <i>new</i>	NEC	\$ 46.00	
103	CLEANING SOLUTION <i>new</i>	NEC	\$ 64.00	
104	FRONT DOOR ATTACHMENT PARTS <i>new</i>		\$ 227.00	
105	FRONT DOOR CATCH <i>X</i>		\$ 99.00	
106	DOOR HINGE HALF-UPPER PART - RH UPPER <i>X</i>		\$ 75.00	
107	DOOR HINGE HALF-UPPER PART - RH LOWER <i>X</i>		\$ 45.00	
108	DOOR HINGE HALF-LOWER PART - RH UPPER <i>X</i>		\$ 45.00	
109	DOOR HINGE HALF-LOWER PART - RH LOWER <i>X</i>		\$ 45.00	
110	FRONT WINDOW SLOT SEAL - RH <i>sea</i>		\$ 291.00	
111	WINDOW GUIDE TRIM STRIP - RH <i>X</i>		\$ 242.00	
112	TYRE PRESSURE DATA PLATE <i>new</i>		\$ 27.00	
113	NOISE INSULATION <i>X</i> <i>Con</i>		\$ 244.00	
114	FRONT BUMPER REINFORCEMENT BEAM COVER PLATE <i>bf</i>		\$ 90.00	
115	STEERING WHEEL AIRBAG UNIT <i>ACT</i>		\$ 3,221.00	
116	DASHBOARD AIRBAG <i>ACT</i>		\$ 4,330.00	
117	HEAD AIRBAG UNIT - LH / RH <i>ACT</i>	2	\$ 3,512.00	
118	KNIE AIRBAG UNIT <i>ACT</i>		\$ 1,756.00	
119	SEATBELT - LH / RH <i>ACT</i>	2	\$ 2,080.00	
120	SEATBELT HEIGHT ADJUSTER <i>?</i>	2	\$ 368.00	
SUB TOTAL SPARE PARTS		:	<u>\$ 16,958.00</u>	

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Material List for Accident Vehicle Regn No. SJS 8231 D

S/N	Parts Description	Damage Parts & Prices		Remarks
		S/NETT		
121	AIRBAG CONTROL UNIT <i>ACT</i>	\$	1,482.00	
122	AIRBAG CRASH SENSOR <i>ACT</i>	3	TBC	
123	SPORTS STEERING WHEEL ?	\$	2,237.00	
124	DASHBOARD <i>crash</i>	\$	4,014.00	
125	LOUDSPEAKER COVER X	\$	88.00	
126	AIR VENT - CENTRE X	\$	142.00	
127	STOWAGE COMPARTMENT - RH X	\$	426.00	
128	MOULDED HEADLINER <i>dash</i>	\$	1,666.00	
129	A-PILLAR TRIM - LH X	\$	151.00	
130	A-PILLAR TRIM - RH UPPER X	\$	151.00	
131	B-PILLAR TRIM - LH / RH X	2	\$ 408.00	
132	C-PILLAR TRIM - LH / RH X	2	\$ 284.00	
133	D-PILLAR TRIM - LH / RH X	2	\$ 218.00	
134	FOLDING GRAB HANDLE - FRONT X	2	\$ 266.00	
135	FOLDING GRAB HANDLE - LH / RH REAR X	2	\$ 266.00	
136	ASSEMBLY CARRIER ? <i>bt</i>	\$	962.00	
137	BONDED RUBBER BUSHES SET ? <i>na</i>	\$	93.00	
138	TRACK CONTROL ARM ? <i>bt</i>	\$	345.00	
139	COMPLETE STABILIZER ? X	\$	380.00	
140	WHEEL BEARING HOUSING ? <i>bt</i>	\$	555.00	
SUB TOTAL SPARE PARTS		: \$ 12,652.00		

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Material List for Accident Vehicle Regn No. SJS 8231 D

S/N	Parts Description	Damage Parts & Prices		Remarks
		S/NETT		
141	WHEEL BEARING ? ne ✓	\$	479.00	
142	GUIDE JOINT - RH ? ca ✓	\$	119.00	
143	COUPLING ROD ? bt ✓	\$	90.00	
144	GAS SHOCK ABSORBER ? bt ✓	\$	256.00	
145	DRIVE SHAFT - RH ? bt ✓	\$	2,190.00	
146	TRACK ROD ? bt ✓	\$	88.00	
147	TIE ROD END - RH ? X	\$	121.00	
148	STEERING GEAR ? Jam (fault code)	\$	4,503.00	
149	STEERING BOX REPAIR SET ? ne ✓	\$	44.00	
150	GEARBOX ASSEMBLY ? X ne (subject to insurance approval)	\$	16,515.00	
151	TRANSMISSION FLUID ?	\$	60.00	
152	FRONT ALUMINIUM RIM - RH cut ✓		TBC	
153	FRONT NO PLATE bt ✓	S/N \$	60.00	
154	ACRYLIC SEALANT ne ✓	S/N \$	180.00	
155	CAVITY WAX ne ✓	S/N \$	140.00	
156	STONE CHIP ne ✓	S/N \$	180.00	
157	FRONT WINDSCREEN SEALANT ne ✓	S/N \$	200.00	
158	SUNDRIES ?	\$	1,000.00	
TOTAL SPARE PARTS CHARGES		:	\$ 104,343.00	
TOTAL LABOUR CHARGES		:	\$ 36,434.00	
GRAND TOTAL		:	\$ 140,777.00	

All charges are not inclusive of GST.
Legend: Remarks (OK) = Approved, Remarks (X) = Not approved
Spare parts are Special Nett.

Offboard Diagnostic Information System

Diagnostic protocol(Long)

08.04.2020 11:57

XML_to_HTML_Main.xml Version: 5.61.0 from 08.01.2019

General information

Order number: ---

Protocol type: Guided fault finding
Protocol status: Intermediate protocol

Workshop information

Serial number of diagnostic tester: 9c2f1fc024dcfc6023256bf0f1b605c7
 Hardware platform: STD PC (Hewlett-Packard / HPProBook450G1)
 Operating system: Windows 7
 VCI type: VAS 5054 (094106074)
 VCI connecting type: Bluetooth
 Communication path: CAN/K-line
 Importer number: 771
 Dealer/dealership number: 00102
 Dealership identifier:

Status of contract:

(manual input)
 Authorised dealer

Software versions:

Offboard Diagnostic Information System Service: Offboard Diagnostic Information System Service Patch 5.2.6
 Main feature: 98.0.20
 More:

Vehicle:

Brand: Audi
 Type: Audi A3 2013>
 Model year: 2019 (K)
 Variant: Saloon, 4-door
 Engine code: CHZD 1.0l TFSI / 85 kW
 Vehicle identification number (automatic): WAUZZZ8V4K1025575
 Vehicle identification number (manual): WAUZZZ8V4K1025575
 Mileage (km): 16026
 ASAM project name: AU37X
 ASAM project version: 1110.2.413

Diagnostic session

Start of diagnosis: 08.04.2020 11:52**End of diagnosis:** 08.04.2020 11:57

Time required (TU): 17

Mouse clicks: Diagnostic session/Diagnostic start-up/Diagnostic exit/Function tests: 30 /20 /0 /5
 Keyboard entries: Diagnostic session/Diagnostic start-up/Diagnostic exit/Function tests: 26 /26 /0 /0

Diagnostic data used:

GFF DIBB brand: A
 GFF DIBB version: 2020.02.0
 GFF DIBB language: en_GB
 GFF technical version: 2.19.10
 Base DIBB version: 2019.12.10.AutoGenerated
 Base DIBB language: en_GB
 DTC_Exclusion Version: 167.0.0
 DTC_Factors version: 1.0.0

Global variables:

Error messages outside guided fault finding:

Source details for the diagnostic entry data:

Initial system test with fault memory entries

Address: 0001 System name: 01 - Engine electronics Protocol variant: UDS/ISOTP (Ereignisse: 3)

Identification:

Event memory entries (Data source: Vehicle):

Address: 0002 System name: 02 - Gearbox electronics (7-speed 0CW) Protocol variant: UDS/ISOTP (Ereignisse: 0)

Identification:

4/13/2020

Address: 0042 System name: 42 - Driver door electronics Protocol variant: UDS/ISOTP (Ereignisse: 1)

Identification:

Event memory entries (Data source: Vehicle):

Address: 0052 System name: 52 - Front passenger door electronics Protocol variant: UDS/ISOTP (Ereignisse: 1)

Identification:

Event memory entries (Data source: Vehicle):

Address: 0003 System name: 03 - Brake electronics Protocol variant: UDS/ISOTP (Ereignisse: 2)

Identification:

Event memory entries (Data source: Vehicle):

Address: 0044 System name: 44 - Power steering Protocol variant: UDS/ISOTP (Ereignisse: 3)

* Identification:

Event memory entries (Data source: Vehicle):

Entry in fault memory

Number:	B200FF0: Internal malfunction
Fault type 2:	passive/sporadic
Symptom:	8448
Status:	01101000

Standard ambient conditions:

Extended ambient conditions:

Entry in fault memory

Number:	B1168F2: Steering angle sensor no initialization
Fault type 2:	active/static
Symptom:	16133
Status:	00101111

Standard ambient conditions:

Extended ambient conditions:

Entry in fault memory

Number:	B116829: Steering angle sensor Implausible signal
Fault type 2:	passive/sporadic
Symptom:	16650
Status:	01101000

Standard ambient conditions:

Extended ambient conditions:

Address: 0015 System name: 15 - Airbag Protocol variant: UDS/ISOTP (Ereignisse: 12)

Identification:

Event memory entries (Data source: Vehicle):

Address: 0076 System name: 76 - Acoustic parking aid Protocol variant: UDS/ISOTP (Ereignisse: 1)

Identification:

Event memory entries (Data source: Vehicle):

Address: 00D6 System name: D6 - Light control left 2 (LED) Protocol variant: UDS/ISOTP (Ereignisse: 0)

Identification:

Address: 0017 System name: 17 - Dash panel insert Protocol variant: UDS/ISOTP (Ereignisse: 0)

Identification:

Address: 00B7 System name: B7 - Entry and start system control unit Protocol variant: UDS/ISOTP (Ereignisse: 0)

Identification:

System name: 08 - AC/heating electronics
 Protocol variant: UDS/ISOTP (Ereignisse: 1)
 Event memory entries (Data source: Vehicle):
 System name: 09 - Electronic central electronics
 Protocol variant: UDS/ISOTP (Ereignisse: 1)
 Event memory entries (Data source: Vehicle):
 Code:
 Flash capability:
 System designation:
 ASAM base variant:
 ASAM 2D/ODX data record:
 ASAM 2D/ODX CU variant:
 Target data container:
 Version of the target data:
 Equipment abbrev:
 System abbrev:
 Event memory entries (Data source: Vehicle):
 Entry in fault memory:
 Number:
 Fault type 2:
 Symptom:
 Status:

Ergebnisse: 1)

Diagnostic protocol

Address: 0008 System name: 08 - AC/heating electronics functions (automatic control) Protocol variant: UDS/ISOTP (Ereignisse: 1)

Identification:

Event memory entries (Data source: Vehicle):

Address: 0009 System name: 09 - Electronic central electrics (BCM) Protocol variant: UDS/ISOTP (Ereignisse: 4)

Identification:

Data source: Vehicle
 Hardware part number: 5Q0937084CF
 Part number: 5Q0937084DC
 Hardware version number: H38
 Software version number: 0273
 Production date: 21.01.2019
 Code: 00 00 00 00 00 00 00 00 00 00
 Code: 00 00 00 00 00 [...]
 Code: 00000000000000000000000000000000
 Code: 00000000000000000000000000000000
 Flash capability: unknown
 System designation: BCM MQBAB M+
 ASAM base variant: BV_CentrElectUDS
 ASAM 2D/ODX data record: EV_BCMMQB
 ASAM 2D/ODX data record version: 019001
 ASAM/ODX CU variant used: EV_BCMMQB_019
 Target data container: 8V0909514AB
 Version of the target data container: 0026
 Equipment code: 9B 19 E9 9B C7 FE A0 67 0E 00 E4 1
 Equipment code: F
 System abbreviation: J519

Event memory entries (Data source: Vehicle):

Entry in fault memory

Number: U112300: Databus error value received
 Fault type 2: active/static
 Symptom: 541204
 Status: 00001001

Standard ambient conditions:

Extended ambient conditions:

Entry in fault memory

Number: U112300: Databus error value received
 Fault type 2: passive/sporadic
 Symptom: 545300
 Status: 00001000

Standard ambient conditions:

Extended ambient conditions:

Entry in fault memory

Number: U112300: Databus error value received
 Fault type 2: active/static
 Symptom: 568342
 Status: 00001001

Standard ambient conditions:

Extended ambient conditions:

Entry in fault memory

Number: U112100: Databus missing message
 Fault type 2: active/static
 Symptom: 576516
 Status: 00001001

Standard ambient conditions:

Extended ambient conditions:

Address: 0019 System name: 19 - Data bus diagnostic interface Protocol variant: UDS/ISOTP (Ereignisse: 2)

Identification:

Event memory entries (Data source: Vehicle):

Address: 0029 System name: 29 - Light control left Protocol variant: UDS/ISOTP (Ereignisse: 0)

4/13/2020

Identification:

Address: 002B System name: 2B - Electronic steering lock (ESL MQB A0) Protocol variant: UDS/ISOTP (Ereignisse: 5)

Identification:

Address: 004B System name: 4B - Multifunction module Protocol variant: UDS/ISOTP (Ereignisse: 5)

Identification:

Event memory entries (Data source: Vehicle):

Address: 00BB System name: BB - Door electronics driver side rear Protocol variant: UDS/ISOTP (Ereignisse: 2)

Identification:

Event memory entries (Data source: Vehicle):

Address: 00BC System name: BC - Door electronics passenger side rear Protocol variant: UDS/ISOTP (Ereignisse: 2)

Identification:

Event memory entries (Data source: Vehicle):

Additional system tests with fault memory entries

No system tests available.

Work steps performed

Test plans

Test plan 1

Control unit address	Error	Evaluation factor
SYS_8X_J623_CPTA_1_0312_21_unplausibel_CAN_00021 Error list: Control unit address 0001	Error U042800: Invalid Data Received From Steering Angle Sensor Module	
SYS_8X_J623_CPTA_1_0312_21_Crash_00021 Error list: Control unit address 0001	Error P160900: Crash shut-off was triggered	
SYS_8V_J623_1_0117_21_Kommunikationsfehler_Steuergeraet_00000 Error list: Control unit address 0001	Error U042800: Invalid Data Received From Steering Angle Sensor Module	
P160900_Crashabschaltung_XX_0511_21_00021 Error list: Control unit address 0001	Error P160900: Crash shut-off was triggered	
U112300_Datenbus_empfanger_Fehlerwert_XX_0312_21_00021 Error list: Control unit address 0001	Error U112300: Databus error value received	
G85_8V_XXXX_1_1011_21_Lenkwinkelgeber_00021 Error list: Control unit address 0003	Error B1168F2: Steering angle sensor no initialization	
J104_8V_XXXX_1_0512_21_Multikollisionsbremse_00021 Error list: Control unit address 0003	Error B13BCF1: Multiple collision brake triggered	
G85_8V_XXXX_1_1211_21_00021 Error list: Control unit address 0044 0044	Error B116829: Steering angle sensor Implausible signal B1168F2: Steering angle sensor no initialization	
J500_8V_XXXX_1_1111_21_interne_Stoerung_00021 Error list: Control unit address 0044	Error B200FF0: Internal malfunction	
J234_8V_XXXX_1_0212_21_Crashdaten_gespeichert_00021 Error list: Control unit address 0015	Error B102800: Front crash data stored	

XXXX_1_0312_21_Multikollisions
list:
Control unit address
5
8V_XXXX_2_0811_21_Zuender_A
Error list:
Control unit address
0015
8V_XXXX_1_1111_21_0002
Error list:
Control unit address
0015
8V_XXXX_1_1111_21_0
Error list:
Control unit address
N154_8V_XXXX_1_1111_2
Error list:
Control unit address
0015
N199_8V_XXXX_1_11
Error list:
Control unit address
0015
N251_8V_XXXX_1
Error list:
Control unit address
0015
N252_8V_XX
Error list:
Control unit address
0015
N295_8V
Error list:
Control unit address
0015
SYS_8V_XXXX_1_1111_21_00021
Error list:
Control unit address
0015

ereignisse: 0)

V_XXXX_1_0312_21_Multikollisionsbremse_00021
 Error list:
 Control unit address
 0015
 8V_XXX_2_0811_21_Zuender_Airbag_Front_F_00021
 Error list:
 Control unit address
 0015
 N131_8V_XXXX_1_1111_21_00021
 Error list:
 Control unit address
 0015
 N153_8V_XXXX_1_1111_21_00021
 Error list:
 Control unit address
 0015
 N154_8V_XXXX_1_1111_21_00021
 Error list:
 Control unit address
 0015
 N199_8V_XXXX_1_1111_21_00021
 Error list:
 Control unit address
 0015
 N251_8V_XXXX_1_1111_21_00021
 Error list:
 Control unit address
 0015
 N252_8V_XXXX_1_1111_21_00021
 Error list:
 Control unit address
 0015
 N295_8V_XXXX_1_1111_21_00021
 Error list:
 Control unit address
 0015
 SYS_J386_4N_X_1_1016_21_Crashverhalten_aktiv_00021
 Error list:
 Control unit address
 0042
 SYS_J387_4N_X_1_1116_21_Crashverhalten_aktiv_00021
 Error list:
 Control unit address
 0052
 F435_8V_XXXX_1_0412_21_00021
 Error list:
 Control unit address
 00BB
 SYS_J926_4N_X_1_1116_21_Crashverhalten_aktiv_00021
 Error list:
 Control unit address
 00BB
 F436_8V_XXXX_1_0612_21_00021
 Error list:
 Control unit address
 00BC
 SYS_J927_4N_X_1_1116_21_Crashverhalten_aktiv_00021
 Error list:
 Control unit address
 00BC
 SYS_8V_J255_XXXX_1011_21_3_Funktionseinschraenkung_00021
 Error list:
 Control unit address
 0008
 CAN_XX_XXXX_1_0812_21_datenbus_fehler_BCM_00021
 Error list:
 Control unit address
 0009
 0009
 0009
 J533_8V_X_2_0811_21_fkteinschrkg_00021
 Error list:
 Control unit address
 0009
 004B
 SYS_8V_J533_X_3_0916_21_nv_warnung_00021
 Error list:

Diagnostic protocol

B102A00: Driver side crash data stored
 B1071F0: Belt tensioner crash data stored
 Evaluation factor: -

Error
 B13BCF1: Multiple collision brake triggered
 Evaluation factor: -

Error
 B10001B: Driver airbag igniter Resistance too high
 Evaluation factor: -

Error
 B10021B: Passenger airbag igniter Resistance too high
 Evaluation factor: -

Error
 B10061B: Driver side seat belt tension igniter Resistance too high
 Evaluation factor: -

Error
 B10071B: Front passenger side seat belt tension igniter Resistance too high
 Evaluation factor: -

Error
 B10081B: Driver thorax airbag igniter Resistance too high
 Evaluation factor: -

Error
 B10051B: Driver head curtain airbag igniter Resistance too high
 Evaluation factor: -

Error
 B10041B: Front passenger head curtain airbag igniter Resistance too high
 Evaluation factor: -

Error
 B100C1B: Driver knee airbag igniter Resistance too high
 Evaluation factor: -

Error
 B1908F0: Crash response active
 Evaluation factor: -

Error
 B1908F0: Crash response active
 Evaluation factor: -

Error
 B122B13: Central locking motors Open circuit
 Evaluation factor: -

Error
 B1908F0: Crash response active
 Evaluation factor: -

Error
 B122B13: Central locking motors Open circuit
 Evaluation factor: -

Error
 B1908F0: Crash response active
 Evaluation factor: -

Error
 B139700: Function limitation due to crash signal
 Evaluation factor: -

Error
 U112300: Databus error value received
 U112300: Databus error value received
 U112300: Databus error value received
 Evaluation factor: -

Error
 U112100: Databus missing message
 U112300: Databus error value received
 Evaluation factor: -

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Control unit address
0019
SYS_X_J533_1_0218_21_crashabschaltung_deaktivieren_00000
Error list:
Control unit address
0019
SYS_X_J745_1_0916_21_Kommunikation_00000
Error list:
Control unit address
004B
004B
004B
004B
KOM_4G_J446_1_0516_21_Funktionseinschraenkung_00021
Error list:
Control unit address
0076

Diagnostic protocol

Error
B1802F1: NV-Energy management Alarm triggered
Evaluation factor
Error
B189CF0: Crash shut-off active
Evaluation factor
Error
U116F00: Control module for light activation, right No communication
U116F00: Control module for light activation, right No communication
U117100: Right LED headlamp power output stage No communication
U117100: Right LED headlamp power output stage No communication
Evaluation factor
Error
U112300: Databus error value received

Function tests

Function test 1: ID19_8V_CMBA_1_1117_21_00021

Result: ?

Time required (TU): 1.1
08.04.2020 11:55:11,532 - 08.04.2020 11:56:04,135
Mouse clicks: 1
Keyboard entries: 0

Function test 2: SYS_8V_1_0313_21_Hauptprogramm_Startmodul_00021

Result: OK

Time required (TU): 3.3
08.04.2020 11:56:18,495 - 08.04.2020 11:56:26,118
Mouse clicks: 4
Keyboard entries: 0

Background checks

Background check 1: SYS_X_1_0818_21_IUPR_Datenerfassung_00000

Result: OK

Time required (TU): 0.0
08.04.2020 11:56:18,063 - 08.04.2020 11:56:31,088
Mouse clicks: 0
Keyboard entries: 0

Background check 2: SYS_X_0918_21_ATL_Verschleiss_3d77_Datenerfassung_00000

Result: OK

Time required (TU): 0.0
08.04.2020 11:56:31,143 - 08.04.2020 11:56:31,714
Mouse clicks: 0
Keyboard entries: 0