	Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy 1)
1.0	Electronic ignition switch control module (N73) Voltage supply Circuit 30, 31	$\begin{array}{c c} N73 \\ 3 - (& - ()^{+} &) - 2 \\ (B) & (A) \\ N73 \\ 3 - (& - ()^{+} &) - 3 \\ (B) & (A) \end{array}$		11 – 14 V	Wiring.
2.0	Electronic ignition switch control module (N73) Voltage supply Circuit 15	$\begin{array}{c} N73 \\ 3 - (& - ()^{+}) - 1 \\ (B) & (A) \end{array}$	Ignition: ON	11 – 14 V	Wiring.
3.0	Electronic ignition switch control module (N73) Voltage supply Circuit 15R	$\begin{array}{c} A37\\ 3 - 4 \\ (B) \end{array} \xrightarrow{- ()^{+} } - 4 \\ (A) \end{array}$	Ignition: Position 1	11 – 14 V	Wiring.
4.0	Front driver/passenger-side door control module (N69/1, N69/2), Voltage supply Circuit 30, 31	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		11 – 14 V	Wiring.

	Test scope	Test connection		Test condition	Nominal value	Possible cause/remedy 1)
5.0	Rear driver/passenger-side door control module (N69/3, N69/4) Voltage supply Circuit 30, 31	N69/3 N69/4 3 € () ⁺ -) — 8		11 – 14 V	Wiring.
6.0	Roof control panel control module (N70) Voltage supply Circuit 30, 31	$\begin{array}{c} N70 \\ 1 - \mathbf{C} \mathbf{C} \\ (A) \end{array}$) —2 (A)		11 – 14 V	Wiring.
7.0	Left/right front ESA control module (with memory) (N32/1, N32/2) Voltage supply Circuit 30, 31	$ \begin{array}{c} $	>2 (1) >3 (1)		11 – 14 V	Wiring.

	Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy 1)
8.0	Signal pick-up and activation module (SAM) (N10/1) Voltage supply Circuit 30, 31	$\begin{array}{c c} N10/1 \\ 12 - (& - ()^{+} &) - 1 \\ (6) & () \end{array}$	3	11 – 14 V	Wiring.
9.0	Lower control field control module (N72) Voltage supply Circuit 30, 31	$\begin{array}{c} N72 \\ 6 - \mathbf{C} \mathbf{C} \\ (A) \mathbf{C} \\ \mathbf{A} \\ \mathbf{A} \\ \mathbf{C} $	5	11 – 14 V	Wiring.
10.0	PSE control module (A37) Voltage supply Circuit 30, 31	$\begin{array}{c} A37 \\ 3 - \overbrace{}^{-} \underbrace{}^{+} \underbrace{}^{+} \underbrace{}_{(2)} $		11 – 14 V	Wiring.
11.0	Non-USA vehicles only, continue to next test step.				
12.0	Data line CAN H PSE control module (A37) -//- (open circuit)	-	 7 Disconnect connector 1 of 8 A37 and connector 10 of 1) X30/7 	<1 Ω	Wiring.

	Test scope	Test connection		Test condition	Nominal value	Possible cause/remedy 1)
13.0	Data line CAN H PSE control module (A37) Γ٦– (short circuit to grnd)	⊥ <u>~</u> @++	A37) — 8 (1)		>20 kΩ	Wiring.
14.0	Data line CAN H PSE control module (A37) Γ1+ (short circuit to pos.)	<u>-</u> + <u>-</u> <u>0</u> +	A37) — 8 (1)		>20 kΩ	Wiring.
15.0	Data line CAN L PSE control module (A37) –//– (open circuit)	X30/7 2 € - ⁻ ⁻ ⁻ ⁻ ⁻ ⁺ → ⁻ ⁽¹⁰⁾	A37 >— 9 (1)		<1 Ω	Wiring.
16.0	Data line CAN L PSE control module (A37) Γ٦– (short circuit to grnd)	⊥ ~ @++	A37 >— 9 (1)		>20 kΩ	Wiring.
17.0	Data line CAN L PSE control module (A37) Γ1+ (short to pos.)	±+ − 0 ⁺	A37) — 9 (1)	Disconnect connector 1 of A37 and connector 10 of X30/7	> 20 kΩ	Wiring.

	Test scope	Test connection		Test condition	Nominal value	Possible cause/remedy 1)
18.0	Data line CAN H/L PSE control module (A37) Γ1 (short circuit)	N69/ 8 C @	⁺►) —9	Disconnect connector 1 of N69/1 and connector 10 of X30/7	>20 kΩ	Wiring.
19.0	Data line CAN H Front driver-side door control module (N69/1) -//- (open circuit)	X30/7 1 → c → ② (9)		Disconnect connector S3 of N69/1 and connector 9 of X30/7	<1 Ω	Wiring.
20.0	Data line CAN H Front driver-side door control module (N69/1) ΓΊ– (short circuit to grnd)	⊥ -@	-	Disconnect connector S3 of N69/1 and connector 9 of X30/7	>20 kΩ	Wiring.
21.0	Data line CAN H Front driver-side door control module (N69/1) Γ1+ (short to pos.)	Ē + - @	N69/1 ┶ >── 18 (S3)	of A37 and connector 10	>20 kΩ	Wiring.
22.0	Data line CAN L Front driver-side door control module (N69/1) -//- (open circuit)	X30/7 2 → (→ ① (9)		Disconnect connector S3 of N69/1 and connector 9 of X30/7	<1 Ω	Wiring.

	Test scope	Test connection		Test condition	Nominal value	Possible cause/remedy 1)
23.0	Data line CAN L Front driver-side door control module (N69/1) ΓΊ– (short circuit to grnd)	⊥ -@+	N69/1 >— 9 (S3)	Disconnect connector S3 of N69/1 and connector 9 of X30/7	>20 kΩ	Wiring.
24.0	Data line CAN L Front driver-side door control module (N69/1) Γ1+ (short to pos.)	±+ - ®+	N69/1 >— 9 (S3)		>20 kΩ	Wiring.
25.0	Data line CAN H/L Front driver-side door control module (N69/1) רז (short circuit)	N69/1 18 (⁻ ⁻ ⁻ ⁻ ⁺ →) — 9 (S3)	Disconnect connector S3 of N69/1 and connector 9 of X30/7	>20 kΩ	Wiring.
26.0	Data line CAN H Front passenger-side door control module (N69/2) -//- (open circuit)	X30/7 1 — € → (8)		Disconnect connector S3 of N69/2 and connector 8 of X30/7	<1 Ω	Wiring.

	Test scope	Test connection		Test condition	Nominal value	Possible cause/remedy 1)
27.0	Data line CAN H Front passenger-side door control module (N69/2) ΓΊ– (short circuit to grnd)	⊥ - @++	N69/2 >— 18 (S3)	Disconnect connector S3 of N69/2 and connector 8 of X30/7	>20 kΩ	Wiring.
28.0	Data line CAN H Front passenger-side door control module (N69/2) Γ1+ (short to pos.)	<u>-</u> + - <u></u> Ω+	N69/2 >— 18 (S3)		>20 kΩ	Wiring.
29.0	Data line CAN L Front passenger-side door control module (N69/2) -//- (open circuit)	X30/7 1 — C → ① →	N69/2 >— 9 (S3)		<1 Ω	Wiring.
30.0	Data line CAN L Front passenger-side door control module (N69/2) ΓΊ– (short circuit to grnd)	←	N69/2 >— 9 (S3)		>20 kΩ	Wiring.

	Test scope	Test con	nection	Test condition	Nominal value	Possible cause/remedy 1)
31.0	Data line CAN L Front passenger-side door control module (N69/2) (open circuit) Γ1+ (short to pos.)	⊡ +	<u></u> @+-	Disconnect connector S3 of N69/2 and connector 8 of X30/7	>20 kΩ	Wiring.
32.0	Data line CAN H/L Front passenger-side door control module (N69/2) Γ٦ (short circuit)	18 — ((S3)	N69/2 ←	Disconnect connector S3 of N69/2 and connector 8 of X30/7	>20 kΩ	Wiring.
33.0	Data line CAN H Rear driver-side door control module (N69/3) -//- (open circuit)	X30/7 1 — ((7)	<u></u> @+►	Disconnect connector from N69/3 and connector 7 of X30/7	<1 Ω	Wiring.
34.0	Data line CAN H Rear driver-side door control module (N69/3) Γ٦– (short circuit to grnd)	<u> </u>	- ¯@+►	Disconnect connector from of N69/3 and connector 7 of X30/7	>20 kΩ	Wiring.

	Test scope	Test connection		Test condition	Nominal value	Possible cause/remedy 1)
35.0	Data line CAN H Rear driver-side door control module (N69/3) Γ1+(short to pos.)	±+ - ®+	N69/3 -) — 9		>20 kΩ	Wiring.
36.0	Data line CAN L Rear driver-side door control module (N69/3) -//- (open circuit)	X30/7 2 (- [−] (Ω) ⁺ (7)	N69/3 → → 4		<1 Ω	Wiring.
37.0	Data line CAN L Rear driver-side door control module (N69/3) Γ٦– (short circuit to grnd)	⊥ ~ @⁺•	N69/3 -) — 4		>20 kΩ	Wiring.
38.0	Data line CAN L Rear driver-side door control module (N69/3) Γ1+ (short to grnd)	É∄ + - ∓@±•	N69/3 -) — 4		>20 kΩ	Wiring.

	Test scope	Test conr	nection		Test condition	Nominal value	Possible cause/remedy 1)
39.0	Data line CAN H / L Rear driver-side door control module (N69/3) Γ1 (short circuit)	4	N69/3 - ͡᠒⁺►) — 9	Disconnect connector from of N69/3 and connector 7 of X30/7	>20 kΩ	Wiring.
40.0	Data line CAN H Rear passenger-side door control module (N69/4) -//- (open circuit)	X30/7 1 — ((6)	<u>←@</u> +		Disconnect connector from of N69/4 and connector 6 of X30/7	<1 Ω	Wiring.
41.0	Data line CAN H Rear passenger-side door control module (N69/4) Γη– (short to grnd)		<u>←</u> @+►		Disconnect connector from of N69/4 and connector 6 of X30/7	>20 kΩ	Wiring.
42.0	Data line CAN H Rear passenger-side door control module (N69/4) Γ1+ (short to pos.)	Ē ∄ +	<u>←_</u> @+ >		Disconnect connector from of N69/4 and connector 6 of X30/7	>20 kΩ	Wiring.
43.0	Data line CAN L Rear passenger-side door control module (N69/4) -//- (open circuit)	X30/7 2 — ((6)	- ¯@+ -	N69/4 Ƴ— 4	Disconnect connector from of N69/4 and connector 6 of X30/7	<1 Ω	Wiring.

	Test scope	Test connection		Test condition	Nominal value	Possible cause/remedy 1)
44.0	Data line CAN L Rear passenger-side door control module (N69/4) ΓΊ– (short to grnd)	⊥ -@+	N69/4)— 4		>20 kΩ	Wiring.
45.0	Data line CAN L Rear passenger-side door control module (N69/4) Γ1+ (short to pos.)	Ē. + -	N69/4)— 4		>20 kΩ	Wiring.
46.0	Data line CAN H/L Rear passenger-side door control module (N69/4) ГЛ (short circuit)	N69/4 4 € @+) — 9	Disconnect connector from of N69/3 and connector 7 of X30/7	>20 kΩ	Wiring.
47.0	Data line CAN H Lower control field control module (N72) -//- open circuit	X30/7 1 — ∢ → -@+→ (1)	N72)— 4 (A)	Disconnect connector A from of N72 and connector 1 of X30/7	<1 Ω	Wiring.

	Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy 1)
48.0	Data line CAN H Lower control field control module (N72) ΓΊ– (short to grnd)	⊥ <u>~</u> @+ ≻	 Disconnect connector A from N72 and connector 1 of X30/7 	>20 kΩ	Wiring.
49.0	Data line CAN H Lower control field control module (N72) Γ1+ (short to pos.)	E + ← @ + >-	 72 Disconnect connector A 4 from N72 and connector 1 A) of X30/7 	>20 kΩ	Wiring.
50.0	Data line CAN L Lower control field control module (N72) –//– open circuit	2 (72 Disconnect connector A 3 from N72 and connector 1 A) of X30/7 	<1 Ω	Wiring.
51.0	Data line CAN L Lower control field control module (N72) Γ٦– (short to grnd)	<u>⊥</u> <u>~</u> <u>@</u> +→ →	 72 Disconnect connector A 3 from N72 and connector 1 A) of X30/7 	>20 kΩ	Wiring.

	Test scope	Test connection		Test condition	Nominal value	Possible cause/remedy 1)
52.0	Data line CAN L Lower control field control module (N72) Γ٦+ (short to pos.)	± + -@+→	N72)— 3 (A)		>20 kΩ	Wiring.
53.0	Data line CAN H/L Lower control field control module (N72) Г1 (short circuit)	A) N10/1 4 (-= ⁻ ⁽ ⁽ ⁽ [−]))— 3 (4)		>20 kΩ	Wiring.
54.0	Data line CAN H Signal pick-up and activation module (SAM) (N10/1) -//- (open circuit)	X30/7 1 — ∢ → ⓐ ⁺ → (2)	N10/1)—2 (4)		<1 Ω	Wiring.
55.0	Data line CAN H Signal pick-up and activation module (SAM) (N10/1) Γ٦– (short to grnd)	⊥ ~ @ *	N10/1)— 2 (4)		>20 kΩ	Wiring.

	Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy 1)
56.0	Data line CAN H Signal pick-up and activation module (SAM) (N10/1) Γ1+ (short to pos.)	N10 ⊡ + - @+→ >— (>20 kΩ	Wiring.
57.0	Data line CAN L Signal pick-up and activation module (SAM) (N10/1) -//- (open circuit)	X30/7 N10 2 (-= ② ⁺ -) (2) (<1 Ω	Wiring.
58.0	Data line CAN L Signal pick-up and activation module (SAM) (N10/1) ΓΊ– (short to grnd)	N10 ⊥ - @ *- > (>20 kΩ	Wiring.
59.0	Data line CAN L Signal pick-up and activation module (SAM) (N10/1) Γ1+ (short to pos.)	N10 ⊡ + -⊂@⁺→ >(>20 kΩ	Wiring.

	Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy 1)
60.0	Data line CAN H/L Signal pick-up and activation module (SAM) (N10/1) Γ٦ (short circuit)	N10/1 2 (⁻ · ⁽ @ ⁺ -) (4)	 Disconnect connector 4 from N10/1 and connector 2 of X30/7 	>20 kΩ	Wiring.
61.0	Data line CAN H Roof control panel control module (N70) -//- (open circuit)		N70 Disconnect connector A 	<1 Ω	Wiring.
62.0	Data line CAN H Roof control panel control module (N70) Γ٦– (short to grnd)		N70 Disconnect connector A — 6 from of N70 and connector (A) 3 of X30/7	>20 kΩ	Wiring.
63.0	Data line CAN H Roof control panel control module (N70) Γ1+ (short to pos.)		N70 Disconnect connector A 	>20 kΩ	Wiring.

	Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy 1)
64.0	Data line CAN L Roof control panel control module (N70) -//- (open circuit)	$\begin{array}{cccc} X30/7 & N70 \\ 2 - & - & - & 3 \\ (3) & (4) \end{array}$		<1 Ω	Wiring.
65.0	Data line CAN L Roof control panel control module (N70) ΓΊ– (short to grnd)	N70 ⊥ - @ - 3 (A)		>20 kΩ	Wiring.
66.0	Data line CAN L Roof control panel control module (N70) Γ1+ (short to pos.)	$\overrightarrow{E} + \overrightarrow{-} \textcircled{Q}^{+} 3$ (A)		>20 kΩ	Wiring.
67.0	Data line CAN H/L Roof control panel control module (N70) רז (short circuit)	N32/1 6 - (@ + → - 3 (A) (A)	Disconnect connector A from N70 and connector 3 of X30/7	>20 kΩ	Wiring.

	Test scope	Test connection		Test condition	Nominal value	Possible cause/remedy 1)
68.0	Data line CAN H Left front ESA control module (with memory) (N32/1) –//– (open circuit)	X30/7 1 — € — — — — — — — — — — — — — — — — — — —	N32/1)— 7 (1)	Disconnect connector 1 from N32/1 and connector 4 of X30/7	<1 Ω	Wiring.
69.0	Data line CAN H Left front ESA control module (with memory) (N32/1) Γ1– (short to grnd)	⊥@+►	N32/1) — 7 (1)		>20 kΩ	Wiring.
70.0	Data line CAN H Left front ESA control module (with memory) (N32/1) Γ1+ (short to pos.)		N32/1) — 7 (1)	from N32/1 and connector	>20 kΩ	Wiring.
71.0	Data line CAN L Left front ESA control module (with memory) (N32/1) -//- (open circuit)	$\begin{array}{c} X30/7 \\ 2 - \mathbf{c} \\ (4) \end{array} \xrightarrow{- \mathbf{O}^+} $	N32/1 > — 6 (1)	from N32/1 and connector	<1 Ω	Wiring.

	Test scope	Test connection		Test condition	Nominal value	Possible cause/remedy 1)
72.0	Data line CAN L Left front ESA control module (with memory) (N32/1) Γ1– (short to grnd)	⊥ - -@+ -	N32/1) — 6 (1)	Disconnect connector 1 from N32/1 and connector 4 of X30/7	>20 kΩ	Wiring.
73.0	Data line CAN L Left front ESA control module (with memory) (N32/1) Γ1+ (short to pos.)	Ē + - +►	N32/1) — 6 (1)		>20 kΩ	Wiring.
74.0	Data line CAN H/L Left front ESA control module (with memory) (N32/1) Γ1 (short circuit)	N32/1 7 (- ⁻ - ⁻ - ⁻ - ⁻ Ω ⁺ - (1)) — 6 (1)	Disconnect connector 1 from N32/1 and connector 4 of X30/7	>20 kΩ	Wiring.
75.0	Data line CAN H Right front ESA control module (with memory) (N32/2) -//- (open circuit)	X30/7 1 € - ⁻ ⊕ ⁺ (5)	N32/2)— 7 (1)		<1 Ω	Wiring.

	Test scope	Test connection		Test condition	Nominal value	Possible cause/remedy 1)
76.0	Data line CAN H Right front ESA control module (with memory) (N32/2) ΓΊ– (short to grnd)	⊥ ~ @++	N32/2)— 7 (1)	Disconnect connector 1 from of N32/2 and connector 5 of X30/7	>20 kΩ	Wiring.
77.0	Data line CAN H Right front ESA control module (with memory) (N32/2) Γ1+ (short to pos.)	<u>[</u>		Disconnect connector 1 from of N32/2 and connector 5 of X30/7	>20 kΩ	Wiring.
78.0	Data line CAN L Right front ESA control module (with memory) (N32/2) -//- (open circuit)	X30/7 2 (⁻ ⁻ ⁻ ⁻ [−] ⁻		Disconnect connector 1 from of N32/2 and connector 5 of X30/7	<1 Ω	Wiring.
79.0	Data line CAN L Right front ESA control module (with memory) (N32/2) ΓΊ– (short to grnd)	~ ¯@+►		Disconnect connector 1 from of N32/2 and connector 5 of X30/7	>20 kΩ	Wiring.

	Test scope	Test cor	nection		Test condition	Nominal value	Possible cause/remedy 1)
80.0	Data line CAN L Right front ESA control module (with memory) (N32/2) Γ1+ (short to pos.)	ĒŦ +	<u>@</u> +-	≻−6	Disconnect connector 1 from of N32/2 and connector 5 of X30/7	>20 kΩ	Wiring.
81.0	Data line CAN H/L Right front ESA control module (with memory) (N32/2) Γ1 (short circuit)	7 — c (1)	N32/2 ∢¯ @ ⁺≻	> — 6 (1)	Disconnect connector 1 from N32/1	>20 kΩ	Wiring.
82.0	Non-USA vehicles only, continue to next test step.						
83.0	Non-USA vehicles only, continue to next test step.						

	Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy 1)
84.0	Non-USA vehicles only, continue to next test step.				
85.0	Non-USA vehicles only, continue to next test step.				
86.0	Non-USA vehicles only, continue to next test step.				
87.0	Non-USA vehicles only, continue to next test step.				
88.0	Non-USA vehicles only, continue to next test step.				
89.0	Data line CAN H Electronic ignition switch control module (N73) -//- (open circuit)		Disconnect connector B from N73 and connector 2 of N10/1	<1 Ω	Wiring.

	Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy 1)
90.0	Data line CAN H Electronic ignition switch control module (N73) ΓΊ– (short to grnd)	N7: ⊥@+- > 1((E	from N73 and connector 2	>20 kΩ	Wiring.
91.0	Data line CAN H Electronic ignition switch control module (N73) Γ1+ (short to pos.)	N7: ⊡ +@+- > 1((E	from N73 and connector 2	>20 kΩ	Wiring.
92.0	Data line CAN L Electronic ignition switch control module (N73) -//- (open circuit)	N10/1 N73 7 $- \mathbf{c}$ $- \mathbf{O}^+ \mathbf{c}$ $- \mathbf{O}^+$ (2) (E	from N73 and connector 2	<1 Ω	Wiring.
93.0	Data line CAN L Electronic ignition switch control module (N73) Γ٦– (short to grnd)	N73 ⊥ - @ ⁺ →)- 1 (E	from N73 and connector 2	>20 kΩ	Wiring.

	Test scope	Test con	inection		Test condition	Nominal value	Possible cause/remedy 1)
94.0	Data line CAN L Electronic ignition switch control module (N73) Γ٦+ (short to pos.)	Ē +	<u>≁-</u> @ <u>+</u> +		Disconnect connector B from N73 and connector 2 from N10/1	>20 kΩ	Wiring.
95.0	Data line CAN H/L Electronic ignition switch control module (N73) Γ٦ (short circuit)	10 — с (В)	N73 <¯ ஹ ⁺►		Disconnect connector B from N73 and connector 2 of N10/1	>20 kΩ	Wiring.
96.0	Wiper motor (M6/1) Stage: Interval wipe Voltage supply	5-(M6/1 `(⊻) +►) —1	Ignition: ON Disconnect connector from M6/1, Set combination switch (S4) to: Stage: Interval wipe	11 – 14 V, approx. 10 seconds are measureable.	Wiring, \Rightarrow 100.0, 102.0, 106.0, 110.0, Driver-side fuse and relay module box (K40/2), Wiper stage 1 relay (K40/2k1)
97.0	Wiper motor (M6/1) Stage 1 Voltage supply	5-(M6/1 <u>←</u> (¥)++) —1	Ignition: ON Disconnect connector from M6/1, Set combination switch (S4) to: Stage 1	11 – 14 V, approx. 10 seconds are measureable.	Wiring, ⇒ 100.0, 102.0, 106.0, 110.0, K40/2, K40/2k1

	Test scope	Test cor	nnection		Test condition	Nominal value	Possible cause/remedy 1)
98.0	Wiper motor (M6/1) Stage 2 Voltage supply	5 — ((M7)	M6/1 ←_(¥)+►	► 3 (M7)		11 – 14 V, approx. 5 seconds are measureable.	Wiring, ⇒ 100.0, 103.0, 107.0, 110.0, K40/2, Wiper stage 2 relay (K40/2k2).
99.0	Windshield washer pump (M5/1) Voltage supply	1(M5/1 ←_()*►) —2	Disconnect connector from M5/1, Set combination switch (S4) to: Wash	11 – 14 V	Wiring, \Rightarrow 100.0, 104.0, 108.0, 111.0, K40/2, Windshield washer relay (K40/2k3).
100.0	Wiper motor (M6/1) Circuit 31	M6/1 5 — C	→ [−] (¥) ⁺ →	<u>⊡</u> +	Ignition: OFF	11 – 14 V	Wiring, \Rightarrow 100.1
100.1	Circuit 31	K40/2 4 (M7)	- ⁻(¥)⁺►	<u></u>	Ignition: OFF	11 – 14 V	Wiring, \Rightarrow 100.2, K40/2
100.2	Circuit 31	K40/2 4 (C1)	- ⁻(¥)⁺►	<u></u>	Ignition: OFF	11 – 14 V	Wiring.

	Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy 1)
101.0	Windshield wiper system Circuit 31b Activation of: Signal pick-up and activation module (SAM) (N10/1) by wiper motor (M6/1)	-	Remove N10/1 from K40/2 Ignition: ON Wiper arm "parked"	<1 V	Wiper motor (M6/1)
102.0	Wiper stage 1 relay (K40/2k1) Voltage supply Circuit 15R	⊥ - ⁻ (⊻) ⁺ → → 5	Remove wiper stage 1 relay (K40/2k1). Ignition: ON	11 – 14 V	Wiring, ⇒ 105.0, K40/2
103.0	Wiper stage 2 relay (K40/2k2) Voltage supply Circuit 15R	⊥ - ⁻ (¥) ⁺ → → 1	Remove wiper stage 2 relay (K40/2k2). Ignition: ON	11 – 14 V	Wiring, ⇒ 105.0, K40/2
104.0	Windshield washer relay (K40/2k3) Voltage supply Circuit 15R	⊥ - (15) K40/2k3 → 1 (15)	relay (K40/2k3).	11 – 14 V	Wiring, ⇒ 105.0, K40/2

	Test scope	Test connection		Test condition	Nominal value	Possible cause/remedy 1)
105.0	Driver-side fuse and relay module box (K40/2) Voltage supply Circuit 15R	⊥ - <u></u>	K40/2)— 1 (C1)		11 – 14 V	Wiring.
106.0	Windshield wiper system Interval wipe Activation of: Wiper stage 1 relay (K40/2k1) by Signal pick-up and activation module (SAM) (N10/1)	K40/2k1 2 € - - € + -	Ē +	Remove wiper stage 1 relay (K40/2k1). Ignition: ON Combination switch (S4) set to: Interval wipe	Cycled voltage: 11 – 14 V	⇒ 110.0, N10/1, K40/2, Electronic ignition switch control module (N73).
107.0	Wiper stage 1 Activation of: Wiper stage 1 relay (K40/2k1) by Signal pick-up and activation module (SAM) (N10/1)	K40/2k1 1 — C → ⁻ (¥) ⁺ →	Ê च +	Remove wiper stage 1 relay (K40/2k1). Ignition: ON Combination switch (S4) set to: Stage 1	11 – 14 V	⇒ 110.0, N10/1, K40/2, Electronic ignition switch control module (N73).
108.0	Wiper stage 2 Activation of: Wiper stage 2 relay (K40/2k2) by Signal pick-up and activation module (SAM) (N10/1)	K40/2k2 1 — C → (¥)+→	Ē ∄ +	Remove wiper stage 2 relay (K40/2k2). Ignition: ON Combination switch (S4) set to: Stage 2	11 – 14 V	⇒ 110.0, N10/1, K40/2, Electronic ignition switch control module (N73).

	Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy 1)
109.0 BI4B4	Windshield wiper system Wash Activation of: windshield washer relay (K40/2k3) by Signal pick-up and activation module (SAM) (N10/1)	K40/2k3 ⊥ - ⊂(y) + ► > — 86		11 – 14 V	⇒ 111.0, N10/1, K40/2, Electronic ignition switch control module (N73).
110.0	Combination switch (S4) Activation of electronic ignition switch control module (N73)	N73 ⊥ ~ ① ⁺ ≻ 1 (B)	from N73 Ignition: ON Interval wipe: Stage 1:	31.5 – 31.7 Ω 31.0 – 31.1 Ω 30.8 – 30.9 Ω	Wiring, S4
111.0	Combination switch (S4) Wash function Activation of electronic ignition switch control module (N73)	N73 ⊥ (B)	N73 Ignition: ON Combination switch (S4) set to: Single wipe:	31.0 – 31.1 Ω 30.8 – 30.9 Ω	Wiring, S4

	Test scope	Test connection		Test condition	Nominal value	Possible cause/remedy 1)
112.0 81484 81643	Rain sensor (B38) Actuation line for rain sensor (B38) -//- (open circuit)	B38 3 ∢ @+		Disconnect connector (E) from N70 and connector from B38	<1 Ω	Wiring.
113.0 BI2I 1 BI643	Rain sensor (B38) Actuation line for rain sensor (B38) Γ1+ (short circuit to pos.)	B38 3 (- ⁻ <u>⊙</u> +►	<u></u>	Disconnect connector (E) from N70 and connector from B38	>20 kΩ	Wiring.
114.0 BI2I 1 BI643	Rain sensor (B38) Actuation line for rain sensor (B38) Г٦- (short circuit to grnd)	B38 3 ∢	N70 ⊥_	Disconnect connector (E) from N70 and connector from B38	>20 kΩ	Wiring.
115.0	Rear window wiper motor (M6/4) Activation by PSE control module (A37)	M6/4 3 (() + - (1)	Ē +	Disconnect connector from M6/4 Tailgate window wiper switch (S6/1s4): Activate Wipe	11 – 14 V	Wiring, \Rightarrow 118.0, A37, Signal pick-up and activation module (SAM) (N10/1).

	Test scope	Test conne	ection		Test condition	Nominal value	Possible cause/remedy 1)
116.0 BI483	Windshield washer pump (M5/1) Model 210 Wagon Activate relay: Wash function	1-(M5/1 (⊻) +	> ─ 4	Tailgate window wiper switch (S6/1s4): Activate Wash	11 – 14 V	Wiring, ⇒ 117.0, 118.0, N10/1, K40/2
117.0 81483	Windshield washer relay (K40/2k3) Activation by: Signal pick-up and activation module (SAM) (N10/1)	K40/2k23 88.1— C	- <u>(</u>)+►	⊡ +	Remove windshield washer relay (K40/2k3) Tailgate window wiper switch (S6/1s4): Activate Wash	11 – 14 V	Wiring, ⇒ 111.0, N10/1, K40/2
118.0 BII42	Tailgate window wiper switch (S6/1s4) Activation by: Signal pick-up and activation module (SAM) (N10/1)		-	N10/1 >	Disconnect connector 2 from N10/1 Switch (S6/1s4): Rest position: Press wipe and keep depressed: Press wash and keep depressed:	200 Ω	Wiring, (S6/1s4).

	Test scope	Test connect	tion	Test condition	Nominal value	Possible cause/remedy 1)
119.0	Headlamp washer pump (M5/2) Activation of HCS pump relay (K40/2k5)		M5/2 - €) *)	Press HCS switch (S4/1).	11 – 14 V, measurable for approx. 1 second.	Wiring, ⇒ 121.0, N10/1, K40/2
120.0	HCS pump relay (K40/2k5) Activation of: Signal pick-up and activation module (SAM) (N10/1)	K40/2k5 1 — C – –	<u>-</u> €)±- =	+ Remove HCS pump relay (K40/2k5). Press HCS switch (S4/1).	11 – 14 V, measurable for approx. 1 second.	Wiring, ⇒ 121.0, N10/1, K40/2
121.0 BII4I	HCS switch (S4/1) Activation of: Signal pick-up and activation module (SAM) (N10/1)	N10/1 7 — (– – – – – – – – – – – – – – – – – – –	<u>-</u> ()⁺- ⊡	+ Disconnect connector 1 + from N10/1. Press HCS switch (S4/1).	11 – 14 V	Wiring, N10/1, K40/2
122.0	Dome lamp with delay/front reading lamp (N70e1) Activation by PSE control module (A37)			Ignition: OFF Door switch ON/OFF (N70s2) Driver/passenger door: OPEN CLOSE		DM, B&A, Vol. 1, 3.4 PSE, 23, N70, A37

	Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy 1)
123.0	Rear dome lamp (E15/3) Activation of PSE (A37) via Roof control panel control module (N70)	E15/3 2 (Rear dome lampswitch on/off (N70s2): ON	11 – 14 V	Wiring, N70, A37
	Except Model 208.4				
124.0	Rear dome lamp (E15/3) Activation via PSE control module (A37)	E15/3 2 (Rear dome lampswitch on/off (N70s2): OFF Dome lamp switch on/off (N70s4): ON Left/right rear door: OPEN Left/right rear door: CLOSED	11 – 14 V 11 – 14 V <1 V	Wiring, DM, B&A, Vol. 1, 3.4 PSE, 23, N70, PSE control module (A37)
125.0	Left/right D-pillar interior lamp (E25/3, E15/4), Model 210 Wagon Activation of PSE control module (A37) by roof control panel control module (N70)	E25/3 E25/4 2 ∢ € →	Rear dome lampswitch on/off (N70s2): ON	11 – 14 V	Wiring, N70, A37

	Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy 1)
126.0	Left/right D-pillar interior lamp (E25/3, E15/4), Model 210 Wagon Activation of rear dome lamp (E15/3) by PSE control module (A37)	E25/3 E25/4 2 (→ - ()+→ → 1	CLOSED Tailgate:	11 – 14 V	Wiring, DM, B&A, Vol. 1, 3.4 PSE, 23, Tailgate closing assist switch/interior illumination switch (A12s1), A37, N70
127.0 BI4D1	Left/right front door entrance/exit lamp (E17/9, E17/10) Activation from frontdriver/passenger-side door control module (N69/1, N69/2)	E17/9 E17/10 1 (→- () →) 2	Driver/passenger door:	11 – 14 V <1 V	Wiring, DM, B&A, Vol. 1, 3.4 PSE, 23, A37, N70, N69/1, N69/2

	Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy 1)
128.0 BI407	Left/right rear door entrance/exit lamp (E17/5, E17/6) Activation from rear driver/passenger-side door control module (N69/3, N69/4)	E17/5 E17/6 1 → C → 2	Ignition: OFF Rear dome lampswitch on/off (N70s2): ON Left/right rear door: OPEN CLOSED	11 – 14 V, 11 – 14 V, <1 V	Wiring, DM, B&A, Vol. 1, 3.4 PSE, 23, A37, N70, N69/3, N69/4
129.0	Front dome lamp with delay/reading lamp (N70e1) Delay: 5 min. Roof control panel control module (N70)		Ignition: OFF Door: OPEN After approx. 5 minutes:	N70 illuminated. N70 goes out.	N70
130.0	Entrance/exit lamps (E17/5, E17/6, E17/9, E17/10) Roof control panel control module (N70)		Ignition: OFF Door: OPEN After approx. 5 minutes:	Entrance/exit lamps illuminated. Entrance/exit lamps go out.	N70

	Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy 1)
131.0 BI2I2	Left and right vanity mirror (E14/5) Voltage supply Activation by Roof control panel control module (N70)	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		11 – 14 V	⇒ 6.0 N70
132.0 BIII5	Heated rear window Activation of signal pick-up and activation module (SAM) (N10/1) by switch in A/C pushbutton control module (Automatic A/C) (N22)	N10/1 ⊥ - ⁻ (2) (2)	Ignition: ON Heated rear window on, keep button depressed: Switch not pressed: Heated rear window off, keep button depressed:	<1 V	Wiring, N22
133.0	Heated rear window Activation of relays in A37	A37 ⊥ -	Ignition: ON Heated rear window on.	11– 14 V	Wiring, A37