

1.3 Onboard power supply control unit -J519-

1.3.1 Connector assignment:

A - Pin connector, T6, black
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B - Pin connector, T6a, brown
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C - Pin connector, T6b, red
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D - Pin connector, T5, black
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E - Pin connector, T5a, brown
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F - Pin connector, T6c, black
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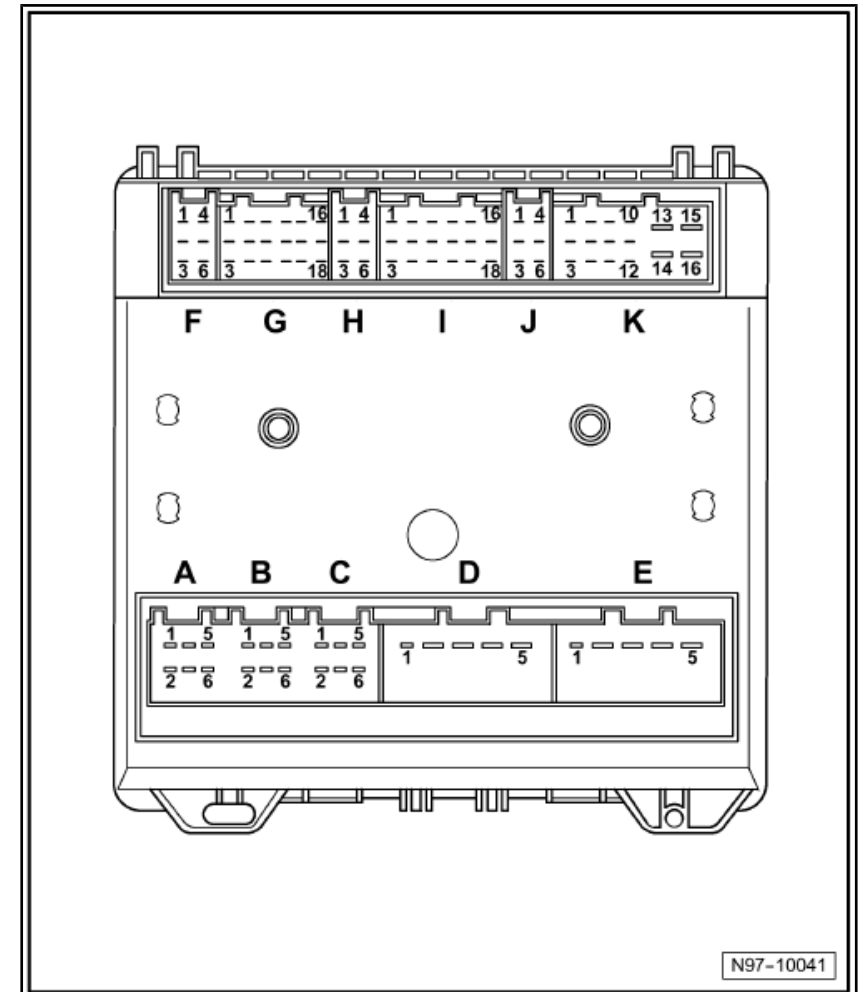
G - Pin connector, T18, black
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H - Pin connector, T6d, brown
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I - Pin connector, T18a, brown
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J - Pin connector, T6e, red
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K - Vacant



1.4 Contact assignment of pin connector -T6-, on onboard supply control unit (Item A)

Pin	Assignment/Component	Terminal
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1	-	636 - Earth point onboard supply control unit		31
2	-	Vacant		
3	-	B129 - Connection (interior light, 31l), in interior wiring harness		TK
4	-	B153 - Connection (RTS), in interior wiring harness (output right turn signal)		BLR
5	-	SB36 - Fuse 36 on fuse holder B (turn signal input)		30a
6	-	B152 - Connection (LTS), in interior wiring harness (output left turn signal)		BLL

1.5 Contact assignment of pin connector -T6a-, on onboard supply control unit (Item A)

Pin		Assignment/Component		Terminal
1	-	Z5 - Front passenger side heated exterior mirror (output)		
2	-	Z4 - Driver side heated exterior mirror (output)		
3	-	SB16 - Fuse 16 on fuse holder B (input)		15
4	-	SB20 - Fuse 20 on fuse holder C (input heated exterior mirror)		30a
5	-	SB17 - Fuse 17 on fuse holder C (interior light output) SC24 - Fuse 24 on fuse holder C (interior light output)	¹⁾ ¹⁾	30g 30g
5	-	B315 - Positive connection 1 (30a), in main wiring harness (interior light output)	²⁾	30g
6	-	SB7 - Fuse 7 on fuse holder C (interior light input)	¹⁾	30a
6	-	SB17 - Fuse 17 on fuse holder C (interior light input)	²⁾	30a


Note

♦ ¹⁾ for models with roof console only

♦ ²⁾ for models without roof console only

1.6 Contact assignment of pin connector -T6b-, on onboard supply control unit (Item C)

Pin		Assignment/Component		Terminal
1	-	Vacant		
2	-	SC35 - Fuse 35 on fuse holder C		RFL
3	-	Vacant		
4	-	Vacant		
5	-	Vacant		

6	-	B520-Connection (RL), in main wiring harness		RFL
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1.7 Contact assignment of pin connector -T5-, on onboard supply control unit (Item D)

Pin		Assignment/Component		Terminal
1	-	J49-Electric fuel pump 2 relay		85
2	-	V - Windscreen wiper motor, Pin 1 (speed 2)		53b
3	-	V - Windscreen wiper motor, Pin 2 (speed 1)		53
4	-	370 - Earth connection 5, in main wiring harness		31
5	-	SB32 - Fuse 32 on fuse holder (windscreen wiper motor input)		30a

1.8 Contact assignment of pin connector -T5a-, on onboard supply control unit (Item E)

Pin		Assignment/Component		Terminal
1	-	SB3 - Fuse 3 on fuse holder B (input)		30a
2	-	H1 - Horn or dual tone horn (output) C13 - Positive connection in dual tone horn wiring harness (output)		
3	-	SB13 - Fuse 13 on fuse holder B (horn or dual tone horn input)		30a
4	-	Z1-Heated rear window (output)		
5	-	S41-Heated rear window fuse (input)		30a

1.9 Contact assignment of pin connector -T6c-, on onboard supply control unit (Item F)

Pin		Assignment/Component		Terminal
1	-	Vacant		
2	-	Vacant		
3	-	B441-Connection (CCS), in main wiring harness, GND on/off		
4	-	E45-Cruise control system switch, T41 Pin 31, GND R		
5	-	E45-Cruise control system switch, T41 Pin 27, GND memory		
6	-	E45-Cruise control system switch, T41 Pin 30, GND memory		

1.10 Contact assignment of pin connector -T18-, on onboard supply control unit (Item G)

Pin		Assignment/Component		Terminal
1	-	B406-Connection 1 (convenience CAN bus, low), in main wiring harness		CAN-L
2	-	B397-Connection 1 (convenience CAN bus, high), in main wiring harness		CAN-H
3	-	Vacant		
4	-	E2-Turn signal switch, T41 Pin 32 (right turn signal input)		BLR
5	-	SD18 - Fuse 18 on fuse holder D (input battery voltage measurement, positive)		30A
6	-	A - Battery (input battery voltage measurement, negative)		31
7	-	F2 - Driver door contact switch (input)		
8	-	Vacant		
9	-	O4 - Positive connection (30as), in seat heating wiring harness (deactivate - output J131, J132)		
10	-	E3 - Hazard warning light switch (input)		
11	-	F11 - Rear right door contact switch (J741 Pin 7), (input)		
12	-	E2-Turn signal switch, T41 Pin 34 (left turn signal input)		BLL
13	-	F10 - Rear left door contact switch (J741 Pin 8), (input)		
14	-	E15 - Heated rear window switch (input)		
15	-	H-Horn plate, T41 Pin 10 (input)		
16	-	F266 - Bonnet contact switch (input)		
17	-	F3 - Front passenger door contact switch (input)		
18	-	E231 - Exterior mirror heater button (input)		

1.11 Contact assignment of pin connector -T6d-, on onboard supply control unit (Item H)

Pin		Assignment/Component		Terminal
1	-	J245 - Sliding sunroof adjustment control unit (output)		
2	-	E180 - Heated windscreen switch (input)	1)	
3	-	G213 - Rain sensor, (signal - input)		
4	-	J39 - Headlight washer system relay (output)		85
5	-	K122-Heated windscreen warning lamp	1)	
6	-	G213 - Rain sensor (GND)		31

1.12 Contact assignment of pin connector -T18a-, on onboard supply control unit (Item I)

Pin		Assignment/Component		Terminal
1	-	Vacant		
2	-	K10 - Heated rear window warning lamp (output)		
3	-	Vacant		
4	-	F5 - Luggage compartment light switch (input via B475)		
5	-	F111 - Rear lid contact switch (input via B534)		
6	-	SB35 - Fuse 35 on fuse holder B (input via B340)		58d
7	-	V - Windscreen wiper motor (input)		
8	-	D - Ignition/starter switch, Pin 8 (input - S-contact via SB19 and B518)		86s
9	-	E34 - Rear wiper switch, T41 Pin 20 (input - windscreen and rear window washer pump)		
10	-	F4 - Reversing light switch (input - reversing lights via B520)		RFL
11	-	E38-Intermittent wipe regulator, T41 Pin 17 (input - intermittent)		INT
12	-	D-Ignition/starter switch, Pin 8 (input)		50b
13	-	C - Alternator (input - battery charge)		61
14	-	E22-Intermittent wiper switch, T41 Pin 16 (input - windscreen wiper speed 2)		53b
15	-	D-Ignition/starter switch, Pin 2 (input - X-contact via B173)		X
16	-	K6-Hazard warning light system warning lamp		
17	-	Vacant		
18	-	E22-Intermittent wiper switch, T41 Pin 16 (input - windscreen wiper speed 1)		53

1.13 Contact assignment of pin connector -T6e-, on onboard supply control unit (Item J)

Pin		Assignment/Component		Terminal
1	-	A18 - Windscreen heater voltage transformer (output)	1)	
2	-	J7 - Battery isolation relay (output)		85
	-	J713 - Second battery charging circuit relay (output)		85
3	-	J207 - Starter inhibitor relay (output)		50a
4	-	J98 - Gearshift indicator control unit (output)		
5	-	G213 - Rain sensor (voltage supply - output)		15
6	-	F125 - Multifunction switch (input - release AG)		