

Service Training

Electrical diagrams and schematics

FENDT 700 Vario S4 Profi/ProfiPlus – NA version

738 22 1001-
739 22 1001-
740 22 1001-
741 22 1001-
742 22 1001-

743 22 1001-



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FENDT

February 2015
No. X990.005.543.161
4395-Aen
FENDT X714 Profi/ProfiPlus - NA
English

IMPORTANT: *This circuit diagram set is valid from the chassis number indicated and onwards. Chassis number with which the circuit diagram set ends can not be used to determine a creation date Use AGCONET or contact Fendt technical service to make sure whether a current wiring diagram set is available with an updated chassis number range.*

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1 Fuse assignment "Variant Profi - ProfiPlus"

⚠ DANGER:
Use only genuine fuses! The use of over-rated fuses will destroy the electrical unit! Fire hazard!

A111 - Central electrical system ECU

NOTE: Remove panel from right side of cab

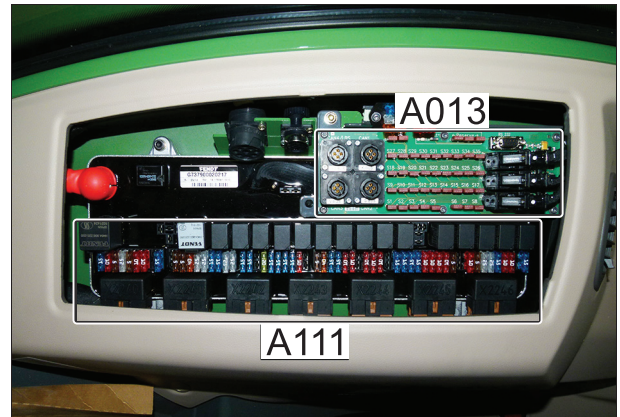


Fig. 1.

I055382

UB 30

Anzugsmoment 17 Nm

Test

K1	K3	K4	K5	K6	K7	K8	K9	K10	K11
UB15					NA Pin 7				

Nr.	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	
PIN	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	AS	30	30	AS	AS	AS	AS	30	AS
A		15	10	5	25	5	10	10		15		5	5	40	25	25	15	15	15	25	25	15	15		20		15	15	15	10	
Verbraucher																															

Bei Arbeiten an der ZE - Batterie Klemme UB 30 abklemmen

K12	K13	K14	K15	K16	K17	K18	K19	K20
C3.Kreis	C4.Kreis		NA		FL Dämpfung		MV TK	

F31	F32	F33	F34	F35	F36	F37	F38	F39	F40	F41	F42	F43	F44	F45	F46	F47	F48	F49	F50	F51	F52	F53	F54	F55	F56	F57	F58	F59	F60
30	30	AS	AS	30	15	15	30	15	15	15	AS	AS	30	15	15	15	15	30	30	15	15	30	15	15	30	15	30	15	15
5	40	15	15	10	10		10	10	10		15	15	15	15	10	10	10	10	5		10	5	25	25	15	10	10		15

Fig. 2.

I055367

(Fuse no. 1-10)

Fuse	PIN	Value (A)	Consumer
1	30	-	-
2	30	15	Cab courtesy light & radio
3	30	10	Multifunction armrest supply & Terminal
4	30	5	Battery isolator switch on instrument panel

Fuse	PIN	Value (A)	Consumer
5	30	25	Engine control unit
6	30	5	Microfuse board supply, front control panel, immobiliser, tachograph
7	30	10	Front loader implement lock and front loader suspension
8	30	10	Ignition switch
9	30	-	-
10	30	15	300° windscreen wiper

(Fuse no. 11–20)

Fuse	PIN	Value (A)	Consumer
11	30	-	-
12	30	5	ISO cab socket (X028) and ISO diagnostics (X1539) connection
13	30	5	VarioGuide & VarioDoc
14	30	40	EXT supply - ECU
15	30	25	Trailer ABS socket
16	30	25	Heated rear windscreen
17	30	15	Air conditioning system overpressure fans
18	30	10	Rotating beacons
19	30	25	25 A socket
20	30	25	25 A socket

(Fuse no. 21–30)

Fuse	PIN	Value (A)	Consumer
21	30	15	Forward/reverse shuttle switch relay
22	AS	15	Front right/left inner work lights on roof
23	30	-	-
24	30	-	-
25	AS	-	-
26	AS	15	Outer front work lights on roof
27	AS	15	Rear inner work lights on roof
28	AS	15	Rear outer work lights on roof
29	30	10	Actuator unit
30	AS	-	-

(Fuse no. 31–40)

Fuse	PIN	Value (A)	Consumer
31	30	5	Air conditioning ECU
32	30	40	Air conditioning system (main fan)
33	AS	15	Right work light on rear lamp
34	AS	15	Left work light on rear lamp
35	30	10	3rd hydraulic circuit SV
36	15	10	Implement socket (GSD), ISO socket (cab), Engine diagnostics
37	15		-

Fuse	PIN	Value (A)	Consumer
38	30	10	4th hydraulic circuit SV
39	15	10	Exhaust gas recirculation
40	15	10	10 A socket

(Fuse no. 41–50)

Fuse	PIN	Value (A)	Consumer
41	15	-	-
42	AS	15	Work light on right A pillar
43	AS	15	Work light on left A pillar
44	30	15	Work light relay (NA)
45	15	15	Seat & electric mirror adjustment
46	15	10	Electrical valves
47	15	10	Electrical valves
48	15	5	Radio, tachograph
49	30	10	Forward/reverse shuttle switch
50	30	5	Front loader suspension

(Fuse no. 51–60)

Fuse	PIN	Value (A)	Consumer
51	15	-	-
52	15	5	Air dryer heating unit
53	30	5	Front loader implement lock relay
54	15	25	Fuel pre-filter heater
55	15	25	AdBlue relay
56	30	15	Neutral/turbo clutch solenoid valve
57	15	10	Heater valve, air conditioning ECU
58	30	10	Air conditioning clutch
59	15	-	-
60	15	15	NOx sensors' supply

NOTE: Remove panel from right side of cab

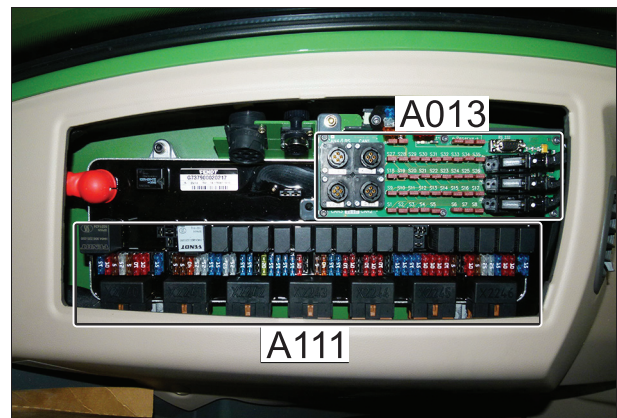


Fig. 3.

I055382

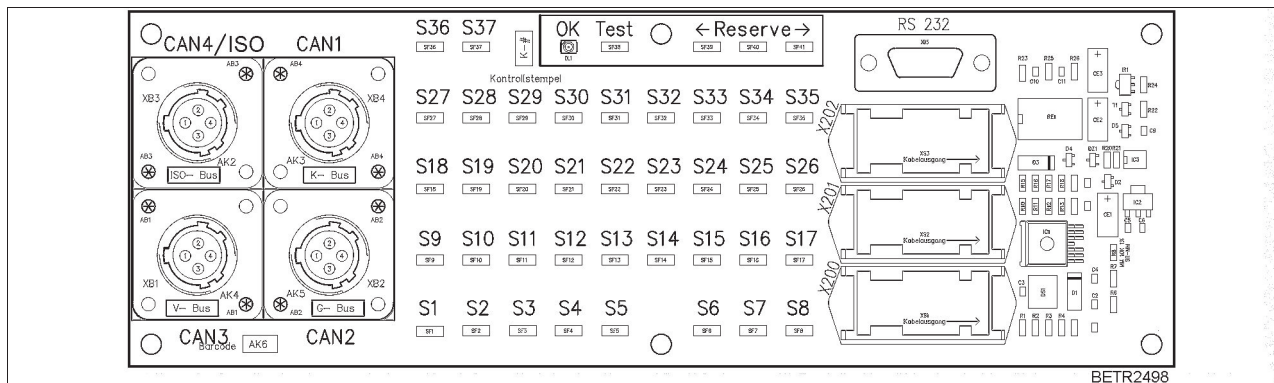


Fig. 4. **A013** - PCB, microfuses

1002329

Fuse no.	Connector / PIN	Component
S4	X200/14	X015 - External control socket, contact 58 R
S5	X200/13	B017 - Clutch pedal sensor
S6	X200/12	B016 - Travel speed range detection sensor
S7	X200/11	B014 - Collecting shaft sensor
S8	X200/10	B015 - Bevel pinion sensor
S12	X200/7	B040 - Front power lift position sensor
S13	X200/6	B032 - Left draft sensing pin
S14	X200/5	B031 - Right draft sensing pin
S15	X200/4	B145 - Rear power lift position sensor
S16	X201/4	B168 - Steering angle sensor
S17	X201/5	B003 - Front axle suspension position sensor
S19	X201/7	B055 - Foot throttle sensor
S29	X202 / 7	B081 - 360° steering wheel sensor
S30	X202/6	A011 - Radar sensor
S31	X202/5	B039 - High-pressure sensor 2
S32	X202/4	B008 - High-pressure Sensor 1
S34	X202/11	B021 - Rear PTO clutch speed sensor
S35	X202/10	B020 - Rear PTO stub shaft speed sensor
S36	X202/9	B002 - Front PTO speed sensor
S37	X202/8	S074 - Starter lockout & clutch pedal limit switch

NOTE: Fuses not listed in **A013** - PCB, microfuses are currently unassigned

A111 - Central electrical system ECU

NOTE: Remove panel from right side of cab

NOTE: When working on the **A111** - Central electrical system ECU; Disconnect the battery.

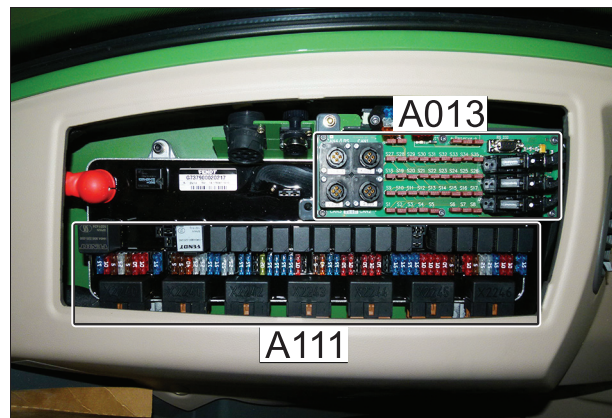


Fig. 5.

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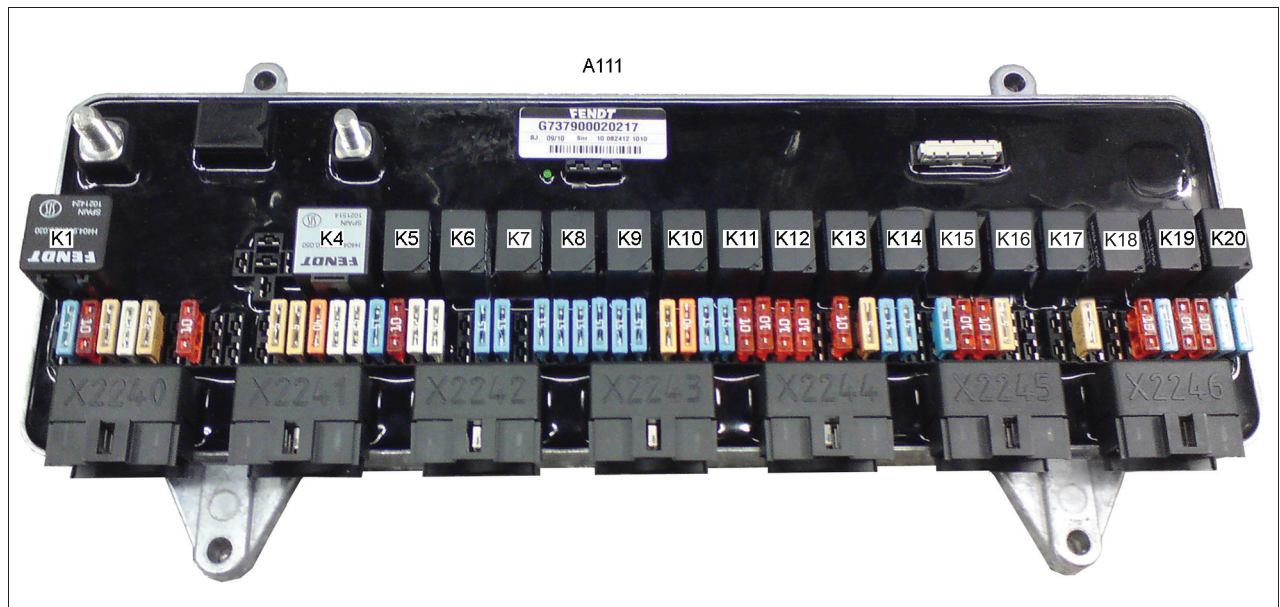


Fig. 6. Central electrical system - relay assignment

1055309

Relay	Consumer	Relay	Consumer
1	K1 (ZE) - UB15 relay	11	K11 (ZE) - Rear lamp work light relay
2	-	12	K12 (ZE) - 3rd hydraulic circuit relay;
3	K3 (ZE) - Not assigned	13	K13 (ZE) - 4th hydraulic circuit relay;
4	K4 (ZE) - Rear window heater relay	14	K14 (ZE) - A pillar work light relay
5	K5 (ZE) - Rotating beacon relay	15	K15 (ZE) - Work light relay (NA)
6	K6 (ZE) - Front inner roof work light relay	16	K16 (ZE) - Forward/reverse shuttle switch relay
7	K7 (ZE) - ABS socket relay	17	K17 (ZE) - Front loader suspension solenoid valve relay
8	K8 (ZE) - Front outer roof work light relay	18	K18 (ZE) - Front loader implement lock solenoid valve relay
9	K9 (ZE) - Rear inner roof work light relay	19	K19 (ZE) - Clutch & turbo-clutch relay
10	K10 (ZE) - Rear outer roof work light relay	20	K20 (ZE) - Air conditioning clutch relay

2 Component list for wiring diagram set 743.900.000.004_b_NA

Abbrevia- tion	Description	Abbrevia- tion	Description
ABS	Anti-lock braking system	IS	Implement socket
	Exhaust gas recirculation	HKH	Rear power lift
AS	Work lights	HZW	Rear PTO
CSF	DPF and DOC	MFA	Multi-function armrest
DPF	Diesel particle filter	MFB	Multifunction control panel
DOC	Diesel oxidation catalytic converter	EP	Earth pin
ECU	Electronic control unit	MV	Solenoid valve
EDC	Electronic engine management	NOx	Nitrogen oxide
EPC	Electrohydraulic control	TPMS	Tyre pressure monitoring system
Ext.	External	SCR	Selective catalytic reduction
FKH	Front power lift	Sig.	Signal
FL	Front loader	STVZO	German vehicle licensing regulations
Front PTO	Front PTO	ZE	Central electrics

DIN component designation	Separa- tion point	Circuit diagram sheet no.
A007 - Instrument panel	X100 X101	4, 9, 10, 11, 24, 26
A009 - Actuator unit	X037	4, 12, 16
A011 - Radar sensor	X479	19
A013 - PCB, microfuses	X200 X201 X202	7, 9, 10, 11, 12, 13, 14, 16, 19, 20, 21, 22, 24, 36
A050 - Basic control ECU	X1402 X1403	2, 9, 10, 11, 12, 13, 14, 16, 17, 19, 20, 21, 22, 24, 25, 31, 33, 36, 41
A056 - Radio	X1315 X1316	35
A077 - Immobiliser ECU	X1852	3, 9, 10, 12
A078 - Tachograph ECU	X2026	5, 12, 40
A082 - Nitrogen oxide NOx sensor 1, upstream of SCR	X2014	3, 9, 10, 15
A083 - Nitrogen oxide NOx sensor 2, downstream of SCR	X2015	3, 9, 10, 15
A084 - AdBlue module	X2018	3, 39
A099 - Engine control ECU (EDC 17)	X2186 X2187	3, 9, 10, 12, 15, 36, 37, 38, 39
A100 - MFA, multifunction armrest	X2184	4, 9, 10, 11, 12, 13, 14, 16, 30, 35
A101 - VarioDoc ECU	X2192	5, 11, 14, 40
A102 - VarioGuide GNSS ECU	X2185	5, 11, 13, 14, 40
A103 - Terminal NT01/02	X2183 X2198 X2199	4, 9, 10, 11, 12, 13, 14, 34

DIN component designation	Separation point	Circuit diagram sheet no.
A111 - Central electrical system ECU	X2239 X2240 X2241 X2242 X2243 X2244 X2245 X2246	6, 8, 9, 10, 11, 14, 16, 18, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 35, 36, 37, 39, 40, 41
A112 - Air conditioning control ECU	X2251 X2254	4, 11, 31
A128 - Right/left dashboard control panel	X2530	4, 9, 10, 11, 26, 28
A129 - Main fan regulator	X2425 X2426	32
A133 - Air intake throttle flap ECU	-	37
A134 - Exhaust gas recirculation ECU	X2621	15, 37

DIN component designation	Separation point	Circuit diagram sheet no.
B002 - Front PTO speed sensor	X151	22
B003 - Front axle suspension position sensor	X152	20
B004 - Air filter vacuum switch	X153	36
B007 - Immersed tube fuel sensor	X156	26
B008 - High-pressure Sensor 1	X157	16
B009 - Discharge temperature sensor	X158	16
B013 - Hydraulic oil temperature sensor	X162	26
B014 - Collecting shaft sensor	X163	16
B015 - Bevel pinion sensor	X164	16
B016 - Travel speed range detection sensor	X165	16
B017 - Clutch pedal sensor	X166	16
B019 - Compressed air supply sensor (circuit 2)	X168	26
B020 - Rear PTO stub shaft speed sensor	X169	22
B021 - Rear PTO clutch speed sensor	X170	22
B031 - Right draft sensing pin	X179	19
B032 - Left draft sensing pin	X180	19
B039 - High-pressure sensor 2	X177	16
B040 - Front power lift position sensor	X188	19
B050 - Front left loudspeaker	X311 X312	35
B051 - Front right loudspeaker	X289 X290	35
B055 - Foot throttle sensor	X898	36
B060 - Compressed air sensor (circuit 1)	X1410	26
B061 - Rear right loudspeaker	X1620 X1621	35
B062 - Rear left loudspeaker	X1622 X1623	35

DIN component designation	Separation point	Circuit diagram sheet no.
B076 - External temperature sensor	X1538	31
B081 - 360° steering wheel sensor	X1519	21
B084 - Hydraulic oil level sensor	X860	19
B085 - Camshaft speed sensor	-	37
B086 - Rail pressure sensor	-	37
B087 - Fuel low pressure sensor	-	37
B088 - Crankshaft speed sensor	-	37
B089 - Engine temperature sensor (Deutz)	-	37
B090 - Oil pressure sensor	-	37
B091 - Water in fuel sensor	X1660	36
B092 - Boost pressure/charge air temperature sensor	-	37
B102 - AdBlue temperature/level sensor	X2017	39
B145 - Rear power lift position sensor	X2221	19
B158 - Solar thermal radiation sensor	X2253	31
B167 - Internal temperature sensor	X2415	31
B168 - Steering angle sensor	X2333	20
B180 - Ambient air temperature sensor (EDC)	X2456	36
B187 - Evaporator temperature sensor	X2420	32
B188 - Output temperature sensor	X2513	31
B191 - Exhaust gas back pressure before turbo sensor	-	37
B192 - CSF differential pressure sensor	X2616	39
B193 - Exhaust temperature before CSF sensor	X2617	39
B194 - Pressure after CSF sensor	X2618	39
B217 - Temperature after venturi sensor	X2741	37
B218 - Differential pressure venturi sensor	X2742	37
B236 - Exhaust temperature before SCR sensor	X2835	39

DIN component designation	Separation point	Circuit diagram sheet no.
E023 - Rear window heater	X259 X260	33
E037 - Seat heater	-	30
E050 - Front left inner work lights in roof	X798	29
E051 - Front right inner work lights in roof	X799	29
E063 - Temperature-controlled air dryer	X1556	25
E070 - Front right outer work lights in roof	X1292	29
E071 - Front left outer work lights in roof	X1291	29
E074 - Work light on right sidelight	X1289	29
E075 - Work light on left sidelight	X1290	29
E078 - Work light on rear right mudguard	X1286	29
E079 - Work light on rear left mudguard	X1286	29
E106 - Right hand exterior mirror (adjustment/heater)	X868	35
E107 - Left hand exterior mirror (adjustment/heater)	X869	35

DIN component designation	Separation point	Circuit diagram sheet no.
E108 - Work light on right A pillar	X1614	29
E109 - Work light on left A pillar	X1614	29
E110 - Direction indicator on right-hand A pillar (NA)	X1695	27
E111 - Direction indicator on left-hand A pillar (NA)	X1695	27
E122 - H7 additional right headlight	X1845 X2158	28
E123 - H7 additional left headlight	X1846 X2159	28
E143 - Front right headlight	X2168 X2170	28
E144 - Front left headlight	X2169 X2171	28
E158 - Right LED cab lighting	X2258	30
E171 - Licence plate LED lighting	X2320 X2321	27
E172 - Left LED cab lighting	X2322	30
E173 - Entry LED lighting	X2323	30
E216 - AdBlue suction and return line heater	X2548	39
E217 - AdBlue pressure line heater	X2549	39
E219 - Fuel pre-filter heater	X2585	36
E220 - Right rotating beacon	X2599, X2600	33
E221 - Left rotating beacon	X2599, X2600	33
E222 - Left rear direction indicator (NA)	X2604	42
E223 - Right rear direction indicator (NA)	X2604	42
E238 - Left LED brake/tail light (NA)	X2536	42
E239 - Right LED brake/tail light (NA)	X2536	42
E240 - Left LED brake light (NA)	X2532	42
E241 - Right LED brake light (NA)	X2532	42
E242 - Left LED tail light (NA)	X2606	42
E243 - Right LED tail light (NA)	X2606	42
E244 - Left exterior rear hazard warning light (NA)	X897	42
E245 - Right exterior rear hazard warning light (NA)	X897	42
E246 - LED work light on rear right mudguard	X1286	29
E247 - LED work light on rear left mudguard	X1286	29
E248 - LED work light on right A pillar	X1614	29
E249 - LED work light on left A pillar	X1614	29
E250 - Rear external roof work lights on right	X2719	29
E251 - Rear right inner roof work lights	X2720	29
E252 - Rear external roof work lights on left	X2721	29
E253 - Rear left inner roof work lights	X2722	29
E254 - Rear right outer roof LED work lights	X2719	29
E255 - Rear right inner roof LED work lights	X2720	29
E256 - Rear left outer roof LED work lights	X2721	29

DIN component designation	Separation point	Circuit diagram sheet no.
E257 - Rear left inner roof LED work lights	X2722	29
E258 - Front right BI-LED headlight	X2723	28
E259 - Front left BI-LED headlight	X2723	28
E276 - Front right outer roof LED work lights	X2921	29
E277 - Front left outer roof LED work lights	X2923	29
E279 - Right LED work light (side light)	X1289	29
E280 - Left LED work light (side light)	X1290	29
E303 - Front right inner roof LED work light	X2925	29
E304 - Front left inner roof LED work light	X2927	29

DIN component designation	Separation point	Circuit diagram sheet no.
FH - Heater flange fuse	-	37
F102 - UB30d fuse	X2682	8

DIN component designation	Separation point	Circuit diagram sheet no.
G001 - Battery 1	X058 X059 X060 X066 X1118	8, 10
G002 - Alternator 1	X062 X064	8, 26

DIN component designation	Separation point	Circuit diagram sheet no.
H006 - Audio warning signal	X204	26
H009 - Reversing signal bleeper	X1544	16
H011 - Horn	X2224	27

DIN component designation	Separation point	Circuit diagram sheet no.
K1 (ZE) - UB15 relay	-	6
K3 (ZE) - Not assigned	-	6
K4 (ZE) - Rear window heater relay	-	6
K5 (ZE) - Rotating beacon relay	-	6
K6 (ZE) - Front inner roof work light relay	-	6
K7 (ZE) - ABS socket relay	-	6
K8 (ZE) - Front outer roof work light relay	-	6
K9 (ZE) - Rear inner roof work light relay	-	6

DIN component designation	Separation point	Circuit diagram sheet no.
K10 (ZE) - Rear outer roof work light relay	-	6
K11 (ZE) - Rear lamp work light relay	-	6
K12 (ZE) - 3rd hydraulic circuit relay;	-	6
K13 (ZE) - 4th hydraulic circuit relay;	-	6
K14 (ZE) - A pillar work light relay	-	6
K15 (ZE) - Work light relay (NA)	-	6
K16 (ZE) - Forward/reverse shuttle switch relay	-	6
K17 (ZE) - Front loader suspension solenoid valve relay	-	6
K18 (ZE) - Front loader implement lock solenoid valve relay	-	6
K19 (ZE) - Clutch & turbo-clutch relay	-	6
K20 (ZE) - Air conditioning clutch relay	-	6
K061 - ISO bus disconnect relay	X1592 X1593 X1594 X1595	8, 9, 14
K063 - Grid heater relay	-	37
K065 - Starter relay	-	37
K068 - Battery isolation impulse relay	X1679 X1752 X1805	8
K081 - ISO BUS relay	X2024	14
K083 - AdBlue relay	X2550	39
K090 - AdBlue module relay heater	X2892	39
K091 - AdBlue suction and return line heater relay	X2892	39
K092 - AdBlue pressure line heater relay	X2892	39
K093 - Overpressure fan relay	X2424	32

DIN component designation	Separation point	Circuit diagram sheet no.
M001 - Starter	X061	8, 37
M002 - Front wiper motor	X347	33
M003 - Front screen washer pump	X301	33
M004 - Rear wiper motor	X258	33
M005 - Rear screen washer pump	X303	33
M007 - Seat adjustment compressor motor	X2277	30
M015 - Actuator motor for top/middle air flap	X1546	31
M016 - Servomotor for bottom air valve	X1547	31
M046 - Left headlight actuator motor	X2526	28
M047 - Right headlight actuator motor	X2527	28
M048 - Main fan	X2421	32
M049 - Heater valve	X2422	32
M050 - Overpressure fan	X2423	32
M055 - Front wiper motor	X2627	33

DIN component designation	Separation point	Circuit diagram sheet no.
N001 - Aerial amplifier	X2179, X2180	35
N014 - Interference suppressor for E276	X2864, X2920	29
N015 - Interference suppressor for E277	X2865, X2922	29
N016 - Interference suppressor for E303	X2908, X2924	29
N017 - Interference suppressor for E304	X2909, X2926	29

DIN component designation	Separation point	Circuit diagram sheet no.
R002 - Heater flange	-	37
R006 - Engine BUS terminating resistance	X2201	15
R007 - Engine BUS terminating resistance	X2202	15
R009 - Valve BUS terminating resistance	X2203	13
R014 - Terminating resistance	X2541	36
R019 - Front loader detection resistor, (MK)	-	41

DIN component designation	Separation point	Circuit diagram sheet no.
S002 - Ignition switch	X072 X246	8, 36
S017 - Filter contamination switch	X228	16
S019 - Left-hand external rear PTO button	X229	22
S020 - Right-hand external rear PTO button	X230	22
S021 - External front power lift raise button	X231	19
S022 - External front power lift lower button	X232	19
S025 - LS pump pressure monitor switch	X235	17
S027 - Right-hand external rear power lift raise button	X237	19
S028 - Right-hand external rear power lift lower button	X238	19
S029 - Left-hand external rear power lift raise button	X239	19
S030 - Left-hand external rear power lift lower button	X240	19
S034 - Coolant level switch	X244	36
S035 - High & low-pressure switch for air conditioning system	X341	31
S047 - Engine brake switch	X140	36
S048 - EPC Lock switch (only in conjunction with EPC SA)	X148	17
S053 - Seat contact switch	X2277	16
S067 - External valve actuation raise button	X1114	17
S068 - External valve actuation lower button	X1115	17
S074 - Starter lockout & clutch pedal limit switch	X1429	16, 36

DIN component designation	Separation point	Circuit diagram sheet no.
S075 - Wheel driven safety steering pump flow monitor switch	X1499	17
S080 - Parking brake switch	X1467	25
S105 - Right brake switch	X2032	25
S106 - Left brake switch	X2033	25
S119 - Hydraulic oil filter contamination switch	X2225	17
S125 - Battery isolation switch	X2250	8
S132 - SA/DA comfort front power lift switch	X2364	19
S134 - Auxiliary pump pressure monitor switch	X2458	17
S142 - Left door contact switch	X2521 X2522	30
S143 - Headlight range adjustment switch	X2525	28
S157 - Forward/reverse shuttle switch	X2725 X2726	16, 27, 33

DIN component designation	Separation point	Circuit diagram sheet no.
U003 - Radio aerial	-	35
U004 - GNSS aerial	X2334	5, 40

DIN component designation	Circuit diagram sheet no.
X007 - Implement socket	24
X008 - On-board computer counter input socket	24
X015 - External control socket	24
X028 - ISO socket (cab)	14
X037 - Separation point on A009	12, 16
X058 - Separation point on G001	8
X059 - Separation point on G001	10
X060 - Separation point on G001	10
X061 - Separation point on M001	8
X062 - Separation point on G002	8
X064 - Separation point on G002	26
X066 - Separation point on G001	10
X072 - Separation point on S002	8, 36
X100 - Separation point on A007	11, 24, 26
X101 - Separation point on A007	9, 10, 26
X140 - Separation point on S047	36
X148 - Separation point on S048	17
X151 - Separation point on B002	22
X152 - Separation point on B003	20
X153 - Separation point on B004	36
X156 - Separation point on B007	26
X157 - Separation point on B008	16

DIN component designation	Circuit diagram sheet no.
X158 - Separation point on B009	16
X162 - Separation point on B013	26
X163 - Separation point on B014	16
X164 - Separation point on B015	16
X165 - Separation point on B016	16
X166 - Separation point on B017	16
X168 - Separation point on B019	26
X169 - Separation point on B020	22
X170 - Separation point on B021	22
X177 - Separation point on B039	16
X179 - Separation point on B031	19
X180 - Separation point on B032	19
X188 - Separation point on B040	19
X200 - Separation point on A013	9, 11, 16, 19, 24
X201 - Separation point on A013	10, 12, 20, 36
X202 - Separation point on A013	11, 13, 14, 16, 19, 21, 22
X204 - Separation point on H006	26
X228 - Separation point on S017	16
X229 - Separation point on S019	22
X230 - Separation point on S020	22
X231 - Separation point on S021	19
X232 - Separation point on S022	19
X235 - Separation point on S025	17
X237 - Separation point on S027	19
X238 - Separation point on S028	19
X239 - Separation point on S029	19
X240 - Separation point on S030	19
X244 - Separation point on S034	36
X246 - Separation point on S002	8
X254 - 10 amp socket	23
X258 - Separation point on M004	33
X259 - Separation point on E023	33
X260 - Separation point on E023	33
X289 - Separation point on B051	35
X290 - Separation point on B051	35
X301 - Separation point on M003	33
X303 - Separation point on M005	33
X311 - Separation point on B050	35
X312 - Separation point on B050	35
X315 - Separation point on Y002	16
X316 - Separation point on Y003	16
X317 - Separation point on Y004	16
X318 - Separation point on Y005	16
X319 - Separation point on Y008	22
X320 - Separation point on Y009	20

DIN component designation	Circuit diagram sheet no.
X321 - Separation point on Y010	20
X322 - Separation point on Y011	22
X323 - Separation point on Y012	20
X324 - Separation point on Y013	20
X325 - Separation point on Y014	20
X336 - Separation point on Y032	17
X341 - Separation point on S035	31
X342 - Separation point on Y024	31
X347 - Separation point on M002	33
X360 - Separation point on Y026	22
X361 - Separation point on Y027	22
X368 - Separation point on Y028	22
X400 - Rear ISO implement socket	14
X479 - Separation point on A011	19
X798 - Separation point on E050	29
X799 - Separation point on E051	29
X810 - EDC diagnostics socket (engine control unit)	36
X860 - Separation point on B084	19
X868 - Separation point on E106	35
X869 - Separation point on E107	35
X898 - Separation point on B055	36
X1114 - Separation point on S067	17
X1115 - Separation point on S068	17
X1118 - Separation point on G001	8
X1286 - Separation point on E078/E079	29
X1289 - Separation point on E074	29
X1290 - Separation point on E075	29
X1291 - Separation point on E071	29
X1292 - Separation point on E071	29
X1315 - Separation point on radio (compact plug)	35
X1316 - Separation point on radio (compact plug)	35
X1402 - Separation point on A050	9, 10, 11, 12, 14, 16, 17, 19, 21, 22, 24, 25, 31, 33, 36, 41
X1403 - Separation point on A050	9, 10, 13, 14, 16, 17, 19, 20, 21, 22, 24, 25
X1410 - Separation point on B060	26
X1429 - Separation point on S074	16, 36
X1459 - Separation point on Y055	19
X1467 - Separation point on S080	25
X1497 - Separation point on Y060	17
X1498 - Separation point on Y061	17
X1499 - Separation point on S075	17
X1501 - Separation point on Y062	19
X1517 - Separation point on Y082	19
X1518 - Separation point on Y083	19
X1519 - Separation point on B081	21

DIN component designation	Circuit diagram sheet no.
X1538 - Separation point on B076	31
X1539 - ISO BUS diagnostics socket	14
X1544 - Separation point on H009	16
X1546 - Separation point on M015	31
X1547 - Separation point on M016	31
X1556 - Separation point on E063	25
X1586 - V-BUS cable coupling (VarioGuide)	13
X1587 - cable coupling for Y087	13, 21
X1588 - Separation point on Y087	13, 21
X1589 - Separation point on Y087	13
X1592 - Separation point on K061	9
X1593 - Separation point on K061	8
X1594 - Separation point on K061	14
X1595 - Separation point on K061	14
X1611 - Separation point on X400 PCB, ISO (bus terminal)	14
X1612 - Separation point on X400 PCB, ISO (bus terminal)	14
X1614 - Separation point on E108/E109	29
X1616 - Separation point on X1806	8
X1617 - Separation point on X1806	8
X1618 - Separation point on X1806	8
X1620 - Separation point on B061	35
X1621 - Separation point on B061	35
X1622 - Separation point on B062	35
X1623 - Separation point on B062	35
X1649 - 10 amp socket	23
X1660 - Separation point on B091	36
X1679 - Separation point on K068	8
X1687 - Separation point on E087	27
X1688 - Separation point on E087	27
X1691 - Separation point on E088/E089	27
X1692 - Separation point on E088/E089	27
X1703 - Separation point on G002	8
X1743 - Separation point on Y099	21
X1752 - Separation point on K068	8
X1805 - Separation point on K068	8
X1806 - UB 30 distributor	8
X1845 - Separation point on E122	28
X1846 - Separation point on E123	28
X1852 - Separation point on A077	9, 10, 12
X2014 - Separation point on A082	9, 10, 15
X2015 - Separation point on A083	9, 10, 15
X2017 - Separation point on B102	39
X2018 - Separation point on A084	39
X2019 - Separation point on Y120	39
X2024 - Separation point on K081	14

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