



BOMAG
FAYAT GROUP

Bomag GmbH
Industriegebiet Hellerwald
D-56154 Boppard



Hybrid

87036 - BW174 AP-4 AM HYBRID



Kubota V3307-CR-T-E4B



BO_F26_001

0	1	2	3	4	5	6	7	8	9
Created Erstellt T. Seis 28.08.2018	BW 174AP-AM HYBRID		BOMAG FAYAT GROUP	Cover sheet Deckblatt				Higher-level function Anlage	Page Blatt 1 from von 84
Checked Geprüft Nallin 28.08.2018								Mounting location Einbauort	Kind of Document Dokumentenart 563 EPE/00

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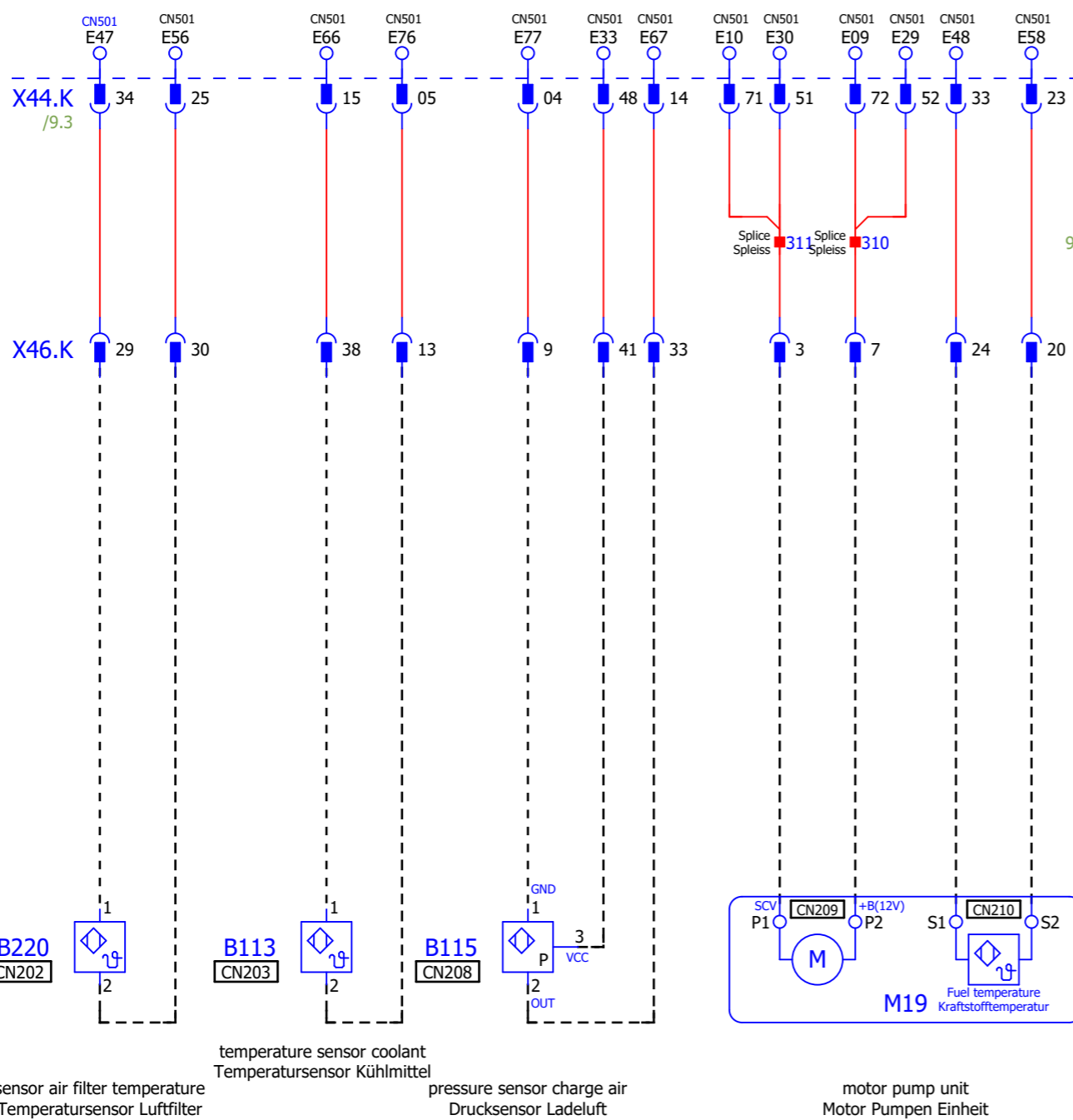
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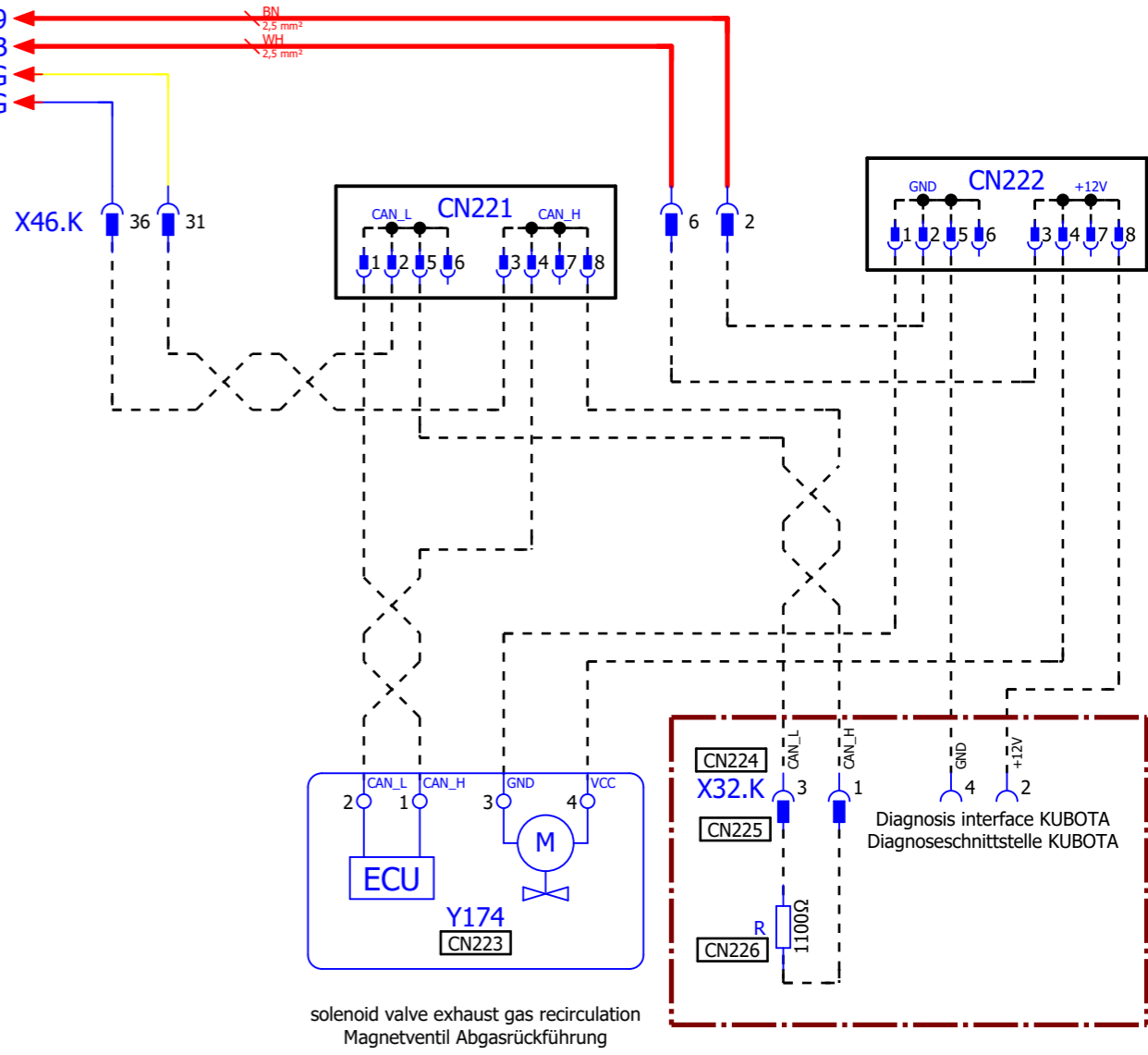
Harness Engine interface - Engine internal
Kabelbaum Motorschnittstelle - Motorintern

X44.K
Plug, engine-controller motor-part
Stecker Motorsteuergerät Motorseite
Molex 80 pole blue
CN501

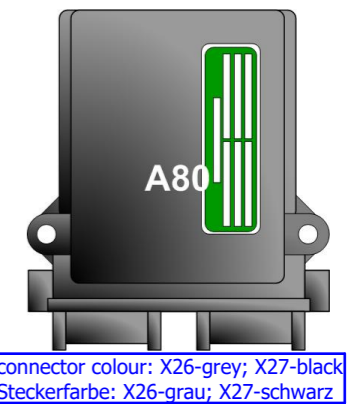
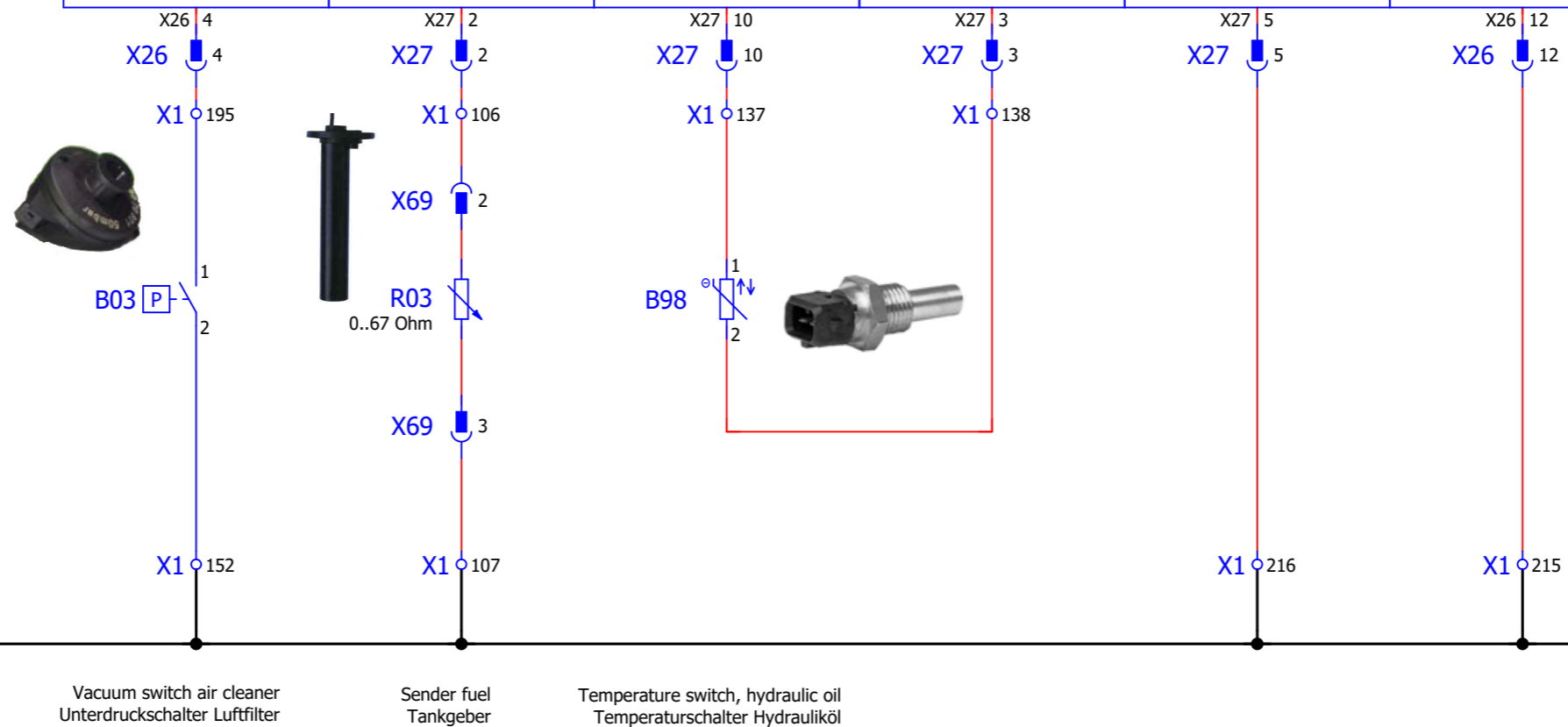
X45.K
Plug, engine-controller machine-part
Stecker Motorsteuergerät Maschinenseite
Molex 80 pole st_grey
CN502



10.4 / SP319
9.2 / EGR_UB
9.9 / CAN-KUBDIAG
9.9 / CAN+KUBDIAG

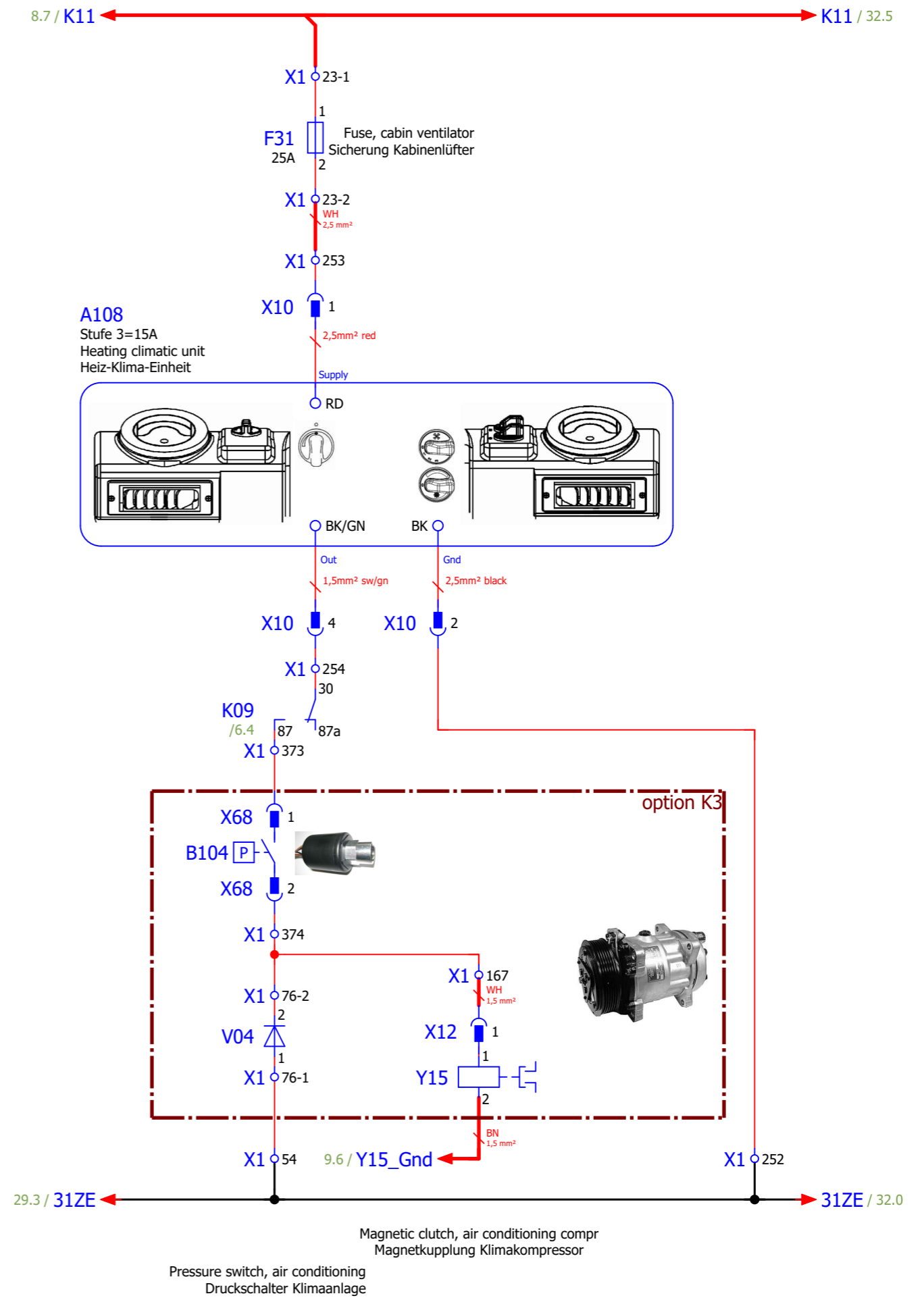
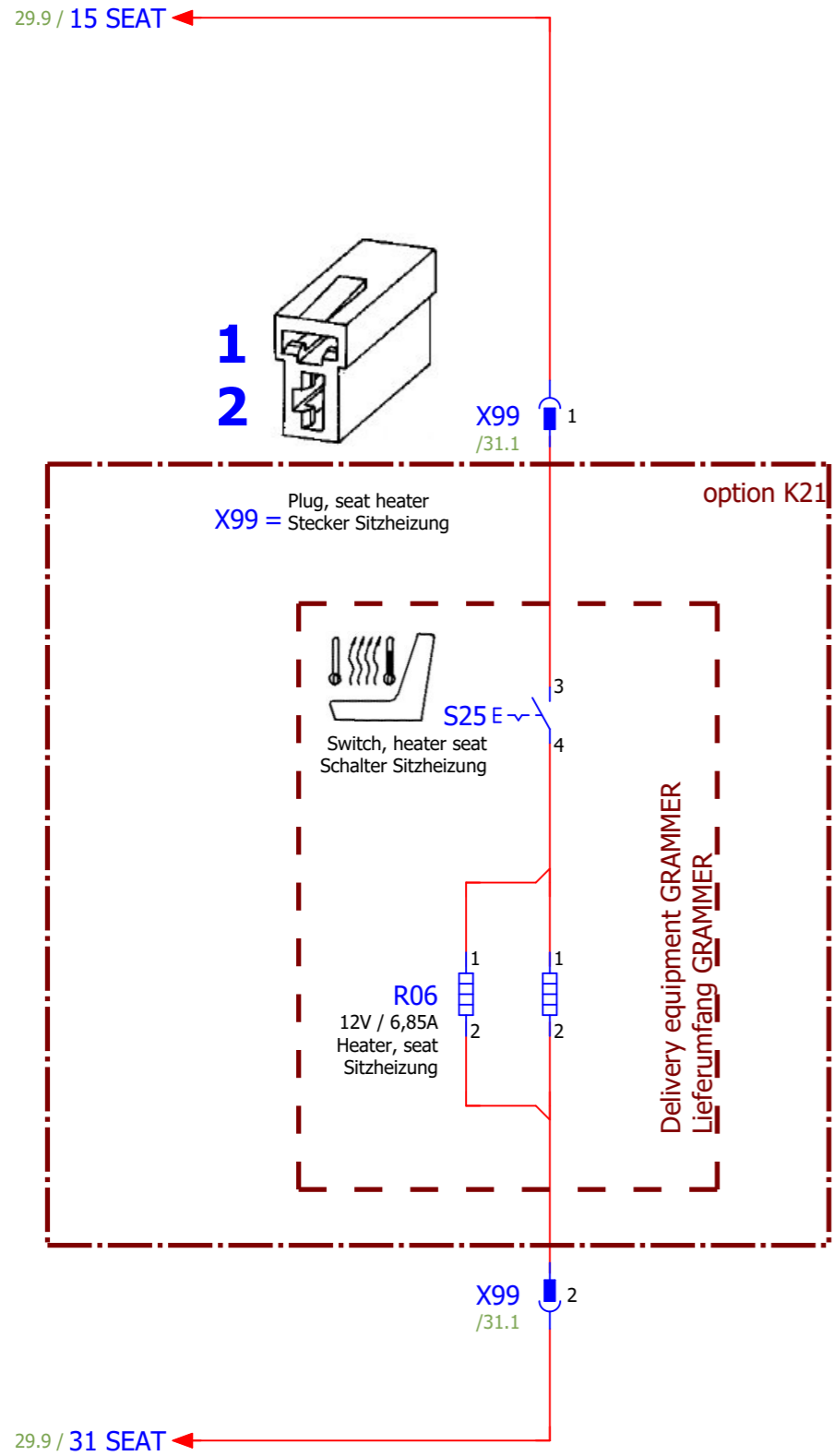


Vacuum switch air cleaner Unterdruckschalter Luftfilter	Sender fuel Tankgeber	Sensor hydraulic oil-temp Sensor Hydrauliköltemp.	Sensor hydraulic oil-temp Sensor Hydrauliköltemp.	Ground Masse	Ground Masse
Vacuum switch air cleaner	Sender fuel	Sensor hydraulic oil-temp	Sensor hydraulic oil-temp	Ground	Ground
Module data-collector	Module data-collector	Module data-collector	Module data-collector	Module data-collector	Module data-collector
A80	A80	A80	A80	A80	A80
DI4	RESISTENT IN1	KTY IN	GND KTY IN	GROUND	GROUND

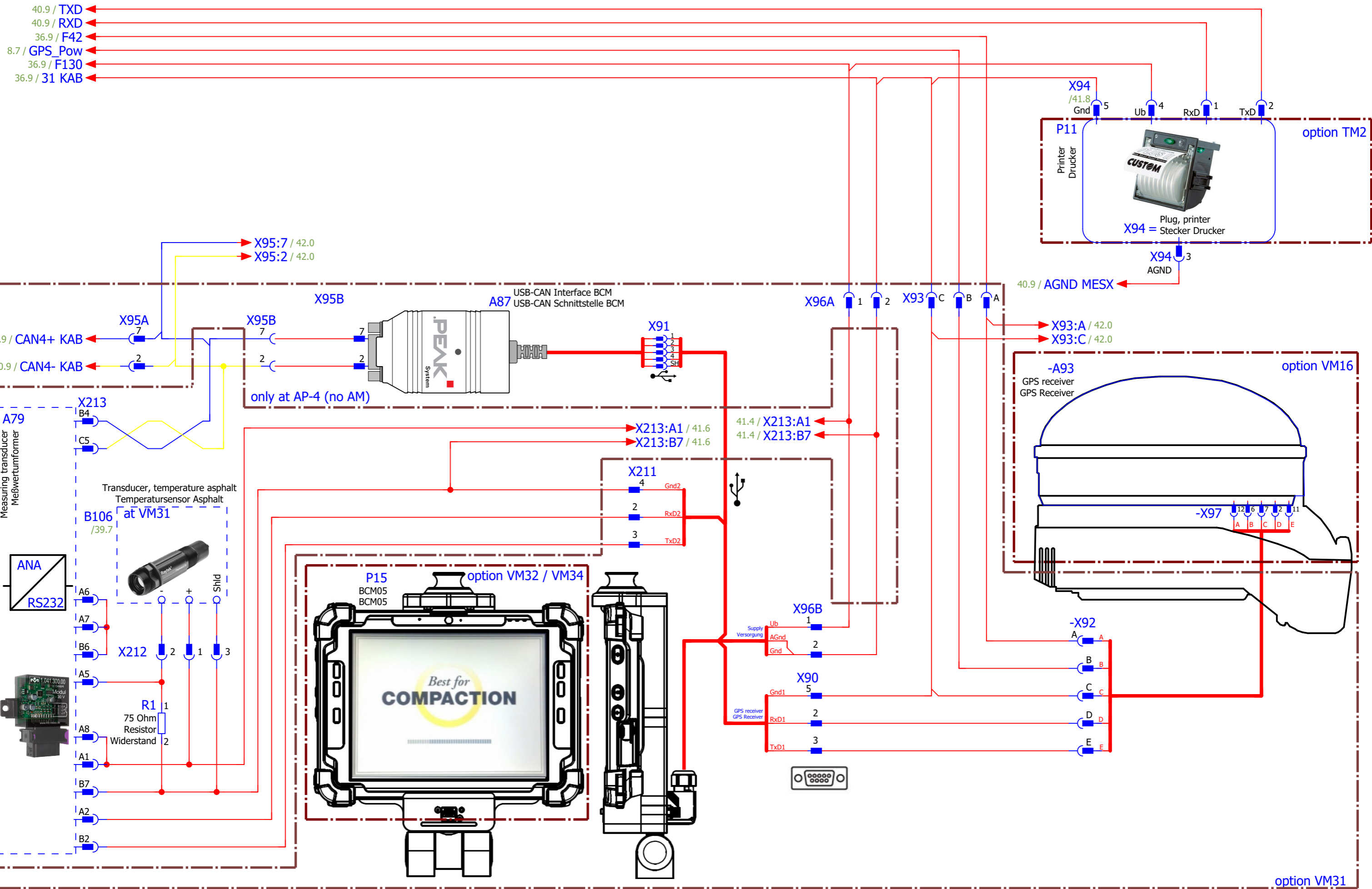


20.9 / 31ZE

31ZE / 22.0



0	1	2	3	4	5	6	7	8	9
Created Erstellt T. Seis 28.08.2018	BW 174AP-AM HYBRID		 BOMAG FAYAT GROUP	Heater, seat	heating-cooling unit			Higher-level function Anlage	Page Blatt 31 from von 84
Checked Geprüft Nallin 28.08.2018		Heater, seat		heating-cooling unit			Mounting location Einbauort	Kind of Document Dokumentenart	&EFS
								563	EPE/00



Device tag list

Betriebsmittelliste

Device tag BMK	Page Path Blatt Pfad	Mounting location Einbauort	Higher-level function Anlage	Function text	Funktionstext	characteristics Techn.-Kenngrößen
S26	32 6			switch, working light (rear)	Schalter Arbeitsscheinwerfer (hinten)	
S30	6 0			Disconnect switch, battery	Batterietrennschalter	250A
S31	19 8			Switch, travel direction	Schalter Fahrtrichtung	
S33	18 1			Switch, crab walk	Schalter Hundegang	24 steps
S35	30 4			Switch, vibration low/high	Vibrationsschalter klein/groß	
S36	23 1			Switch vibration	Schalter Vibration	
S37	33 2			switch indicator	Schalter Blinker	
S38	35 3			Switch, rotary beacon	Schalter Rundumkennleuchte	
S42	29 6			Speed range selector, fast-slow	Stufenumschalter schnell-langsam	12 steps
S45	34 2			Switch, cabin inside light	Schalter Kabineninnenleuchte	
S55	29 0			Travel lever	Fahrhebel	---> Pin overview
S89	18 3			Switch steering	Wahlschalter Lenkung	5 steps
S90	28 4			Switch "2.edge cutter"	Schalter 2.KSG	
S114	28 7			Switch, water pump	Schalter Wasserpumpe	
S117	32 5			Switch socket	Schalter Steckdose	
S127	28 5			Switch, engine speed	Schalter Motordrehzahl	
S147	35 7			switch working lights sidewise	Schalter Arbeitsbeleuchtung seitwärts	
S149	35 0			Switch, working headlights front	Schalter Arbeitsbeleuchtung vorne	
S150	35 2			Switch, working headlights rear	Schalter Arbeitsbeleuchtung hinten	
S158	34 3			Switch, cabin night lamp	Schalter Nachtbeleuchtung	
S159	30 8			Switch mode travel lever	Schalter Fahrhebelmodus	
S163	34 1			switch rear screen heating unit	Schalter Heckscheibenheizung	
S167	35 5			Switch, illumination drum	Schalter Bandagenbeleuchtung	
S299	16 6			Switch, regeneration mode	Schalter Regenerationsmodus	
S376	16 8			switch operating mode	Schalter Betriebsartenwahl	
S417	32 9			switch maintenance flap	Schalter Wartungsklappe	
V04	31 6			Diode	Diode	SF64
V41	6 3			Diode (A1)	Diode (A1)	SF64
V42	6 9			Diode (A2)	Diode (A2)	MR756
V44	8 9			Diode (A4)	Diode (A4)	SF64
Y04	17 4			Solenoid valve, brake	Magnetventil Bremse	1,8A
Y06	24 7			Solenoid valve, sprinkler system	Magnetventil Berieselung	
Y07	15 8			solenoid valve vibration front high	Magnetventil Vibration vorne gross	400-1200mA
Y08	15 8			solenoid valve vibration front low	Magnetventil Vibration vorne klein	400-1200mA
Y09	15 4			solenoid valve vibration rear high	Magnetventil Vibration hinten gross	400-1200mA
Y10	15 5			solenoid valve vibration rear low	Magnetventil Vibration hinten klein	400-1200mA
Y15	31 7			Magnetic clutch, air conditioning compr	Magnetkupplung Klimakompressor	

Plug overview

Steckerübersicht

Designation Bezeichnung	Mounting location Einbauort	Function text Funktionstext
X44.K		Plug, engine-controller motor-part Stecker Motorsteuergerät Motorseite

Contact Kontakt	Page Blatt	Path Pfad	Type Typ
15	11	2	Molex 80 pole blue
18	12	6	
23	11	5	
24	12	6	
25	11	1	
27	10	5	
28	10	5	
29	10	6	
32	10	8	
33	11	4	
34	11	1	
36	12	8	
37	12	7	
38	12	6	
41	12	4	
42	12	4	
43	12	3	
45	12	2	
46	12	1	
47	12	1	
48	11	3	
51	11	4	
52	11	4	
60	10	3	
61	12	4	
62	12	3	
63	12	3	
65	12	2	
66	12	1	
67	12	1	
68	10	6	
71	11	3	
72	11	4	
80	10	2	

Designation Bezeichnung	Mounting location Einbauort	Function text Funktionstext
X45.K		Plug, engine-controller machine-part Stecker Motorsteuergerät Maschinenseite

Contact Kontakt	Page Blatt	Path Pfad	Type Typ
1	9	1	Molex 80 pole st_grey
3	9	1	
5	9	6	
12	9	0	
13	9	7	

Designation Bezeichnung	Mounting location Einbauort	Function text Funktionstext
X45.K		Plug, engine-controller machine-part Stecker Motorsteuergerät Maschinenseite

Contact Kontakt	Page Blatt	Path Pfad	Type Typ
16	9	8	Molex 80 pole st_grey
17	9	8	
18	9	1	
20	9	4	
21	9	1	
23	9	1	
24	9	4	
29	10	9	
33	9	7	
36	9	8	
37	9	8	
38	9	2	
39	9	5	
40	9	4	
45	9	3	
48	10	2	
49	9	3	
50	10	1	
58	9	2	
59	9	5	
60	9	4	
65	10	2	
71	12	9	
78	9	2	
79	9	5	
80	9	5	

Designation Bezeichnung	Mounting location Einbauort	Function text Funktionstext
X46.K		connector engine interface Stecker Motorschnittstelle

Contact Kontakt	Page Blatt	Path Pfad	Type Typ
1	10	4	AMP Hybrid-connector, 42-pin
2	11	8	
3	11	4	
4	10	2	
6	11	8	
7	11	4	
8	10	3	
9	11	3	
12	10	1	
13	11	2	
14	10	5	
15	10	6	
17	10	2	

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