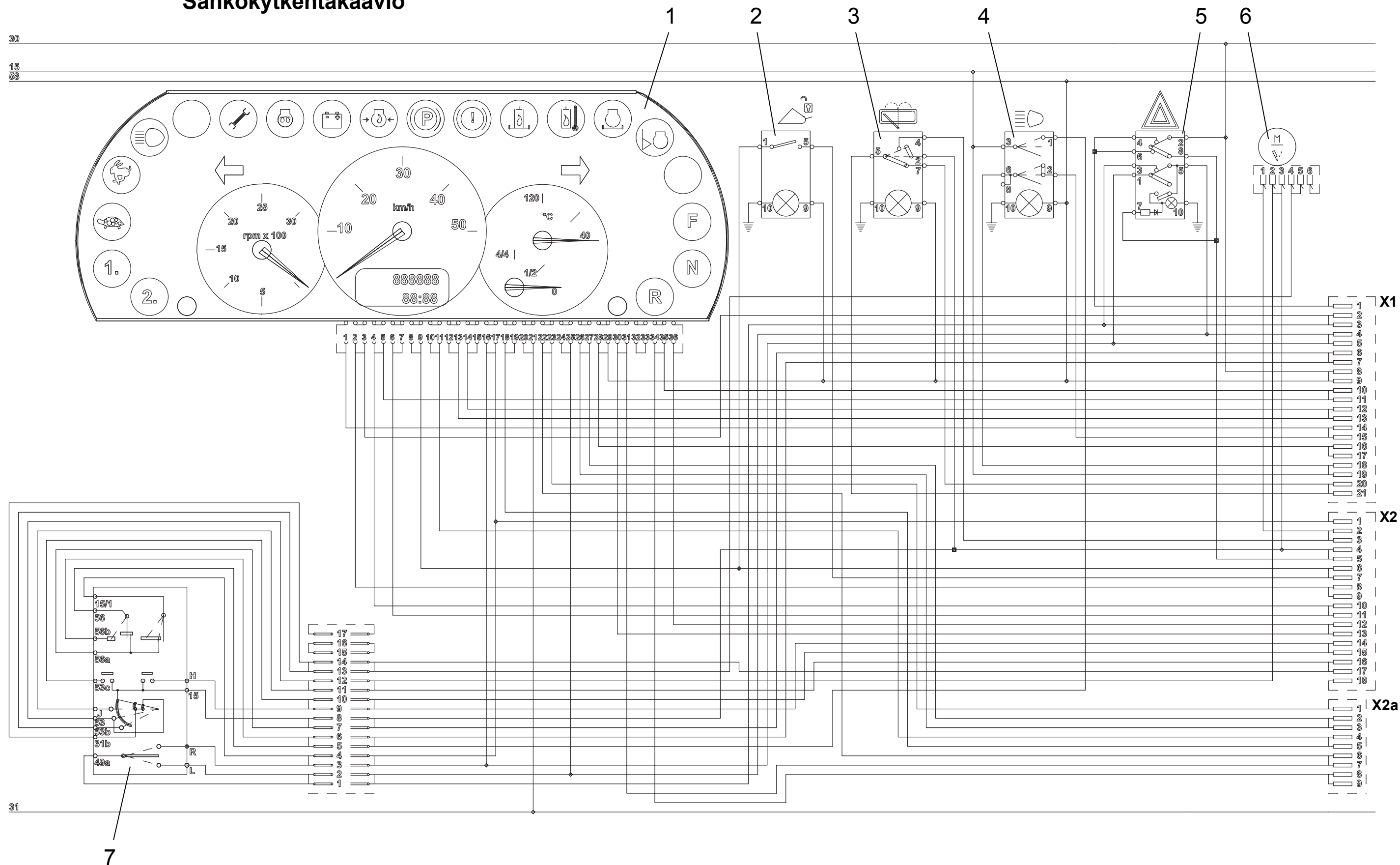
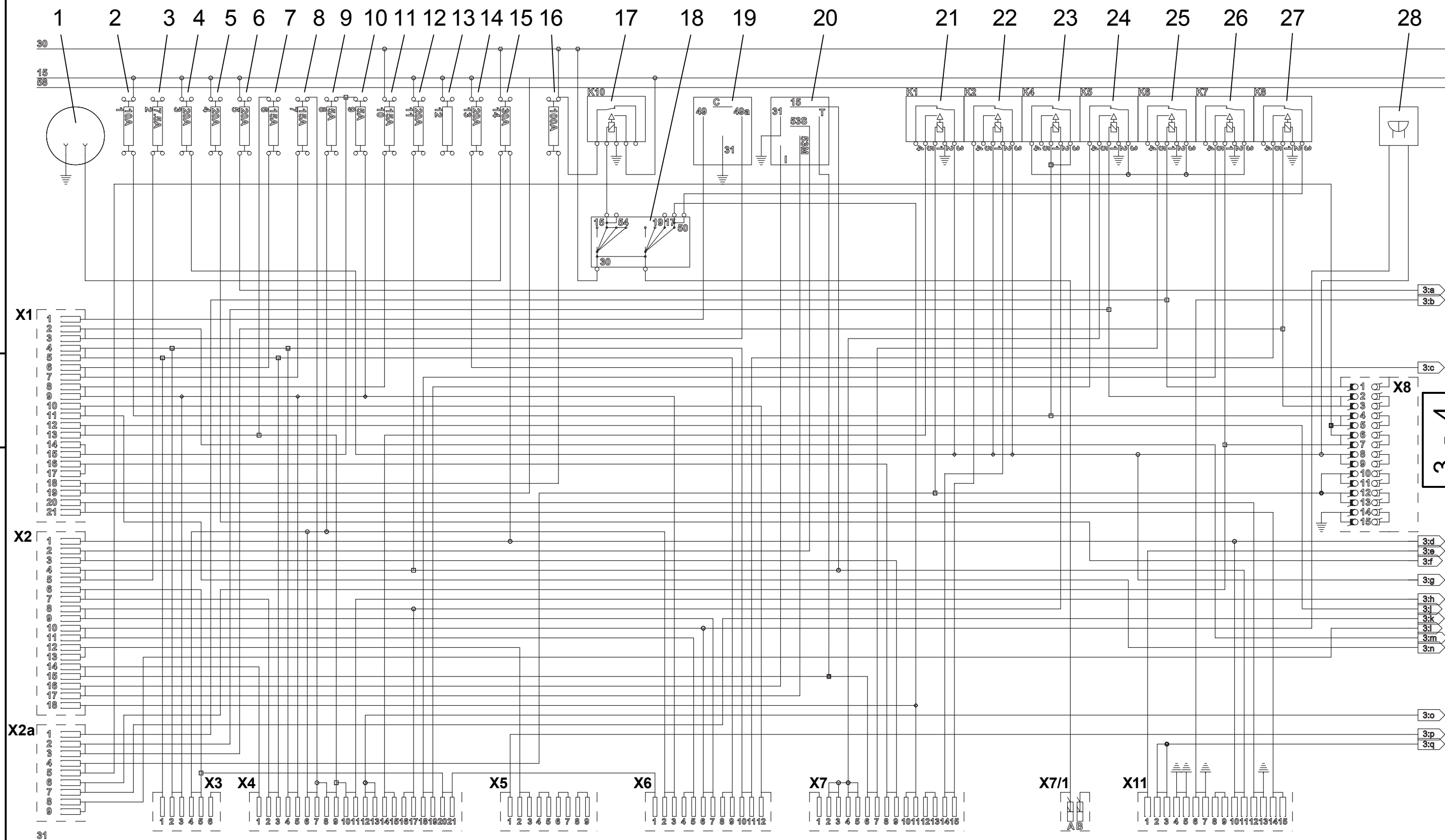


Circuit diagrams

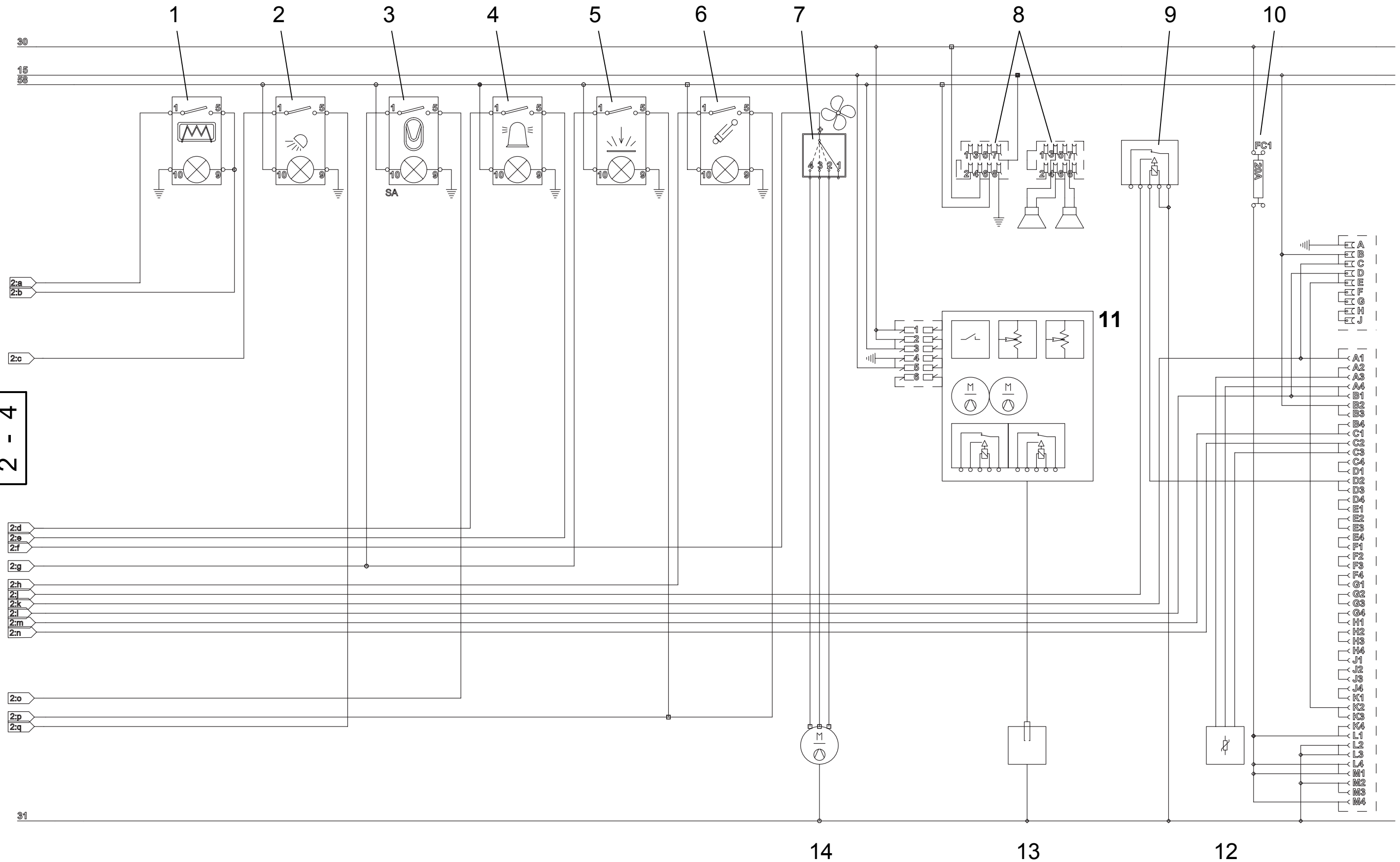
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Diagrama de conexiones eléctricas/Elektrisk koblingsskjema/EI-kopplingsschema/Esquema de circuitos eléctricos/
Sähkökytkentäkaavio**



**10.1 - 06.2008 Elektrik-Schaltplan/Schéma électrique/Wiring diagram/Elektrisch schakelschema/EI-oversigt/Elektriskdiagram/
Diagrama de conexiones eléctricas/Elektrisk koblingsskjema/EI-kopplingsschema/Esquema de circuitos eléctricos/
Sähkökytkentäkaavio**



10.1 - 06.2008 Elektrik-Schaltplan/Schéma électrique/Wiring diagramm/Elektrisch schakelschema/Elektriskdiagram/
EI-oversigt/Diagrama de conexiones eléctricas/Elektrisk koblingsskjema/EI-kopplingsschema/
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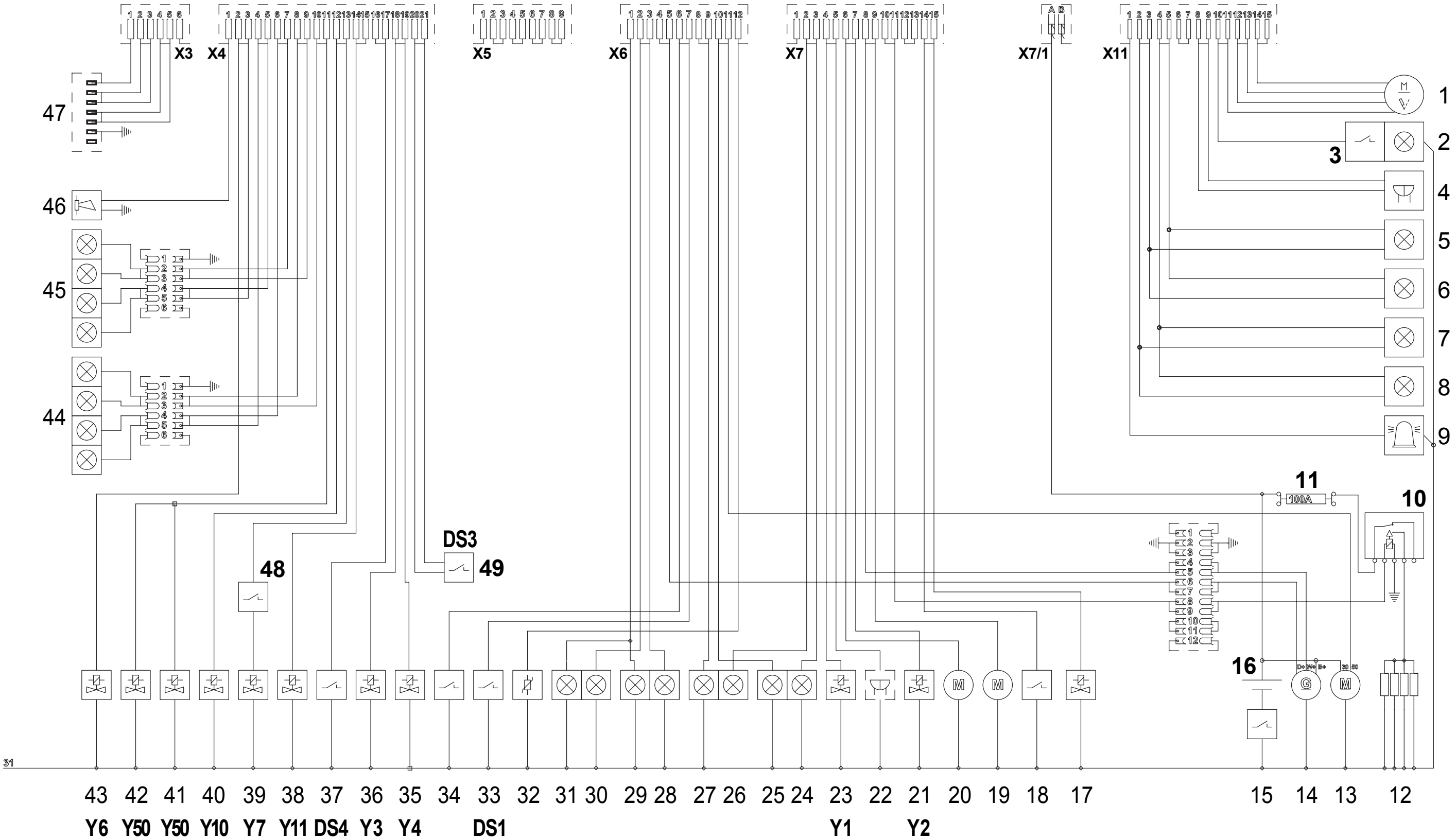


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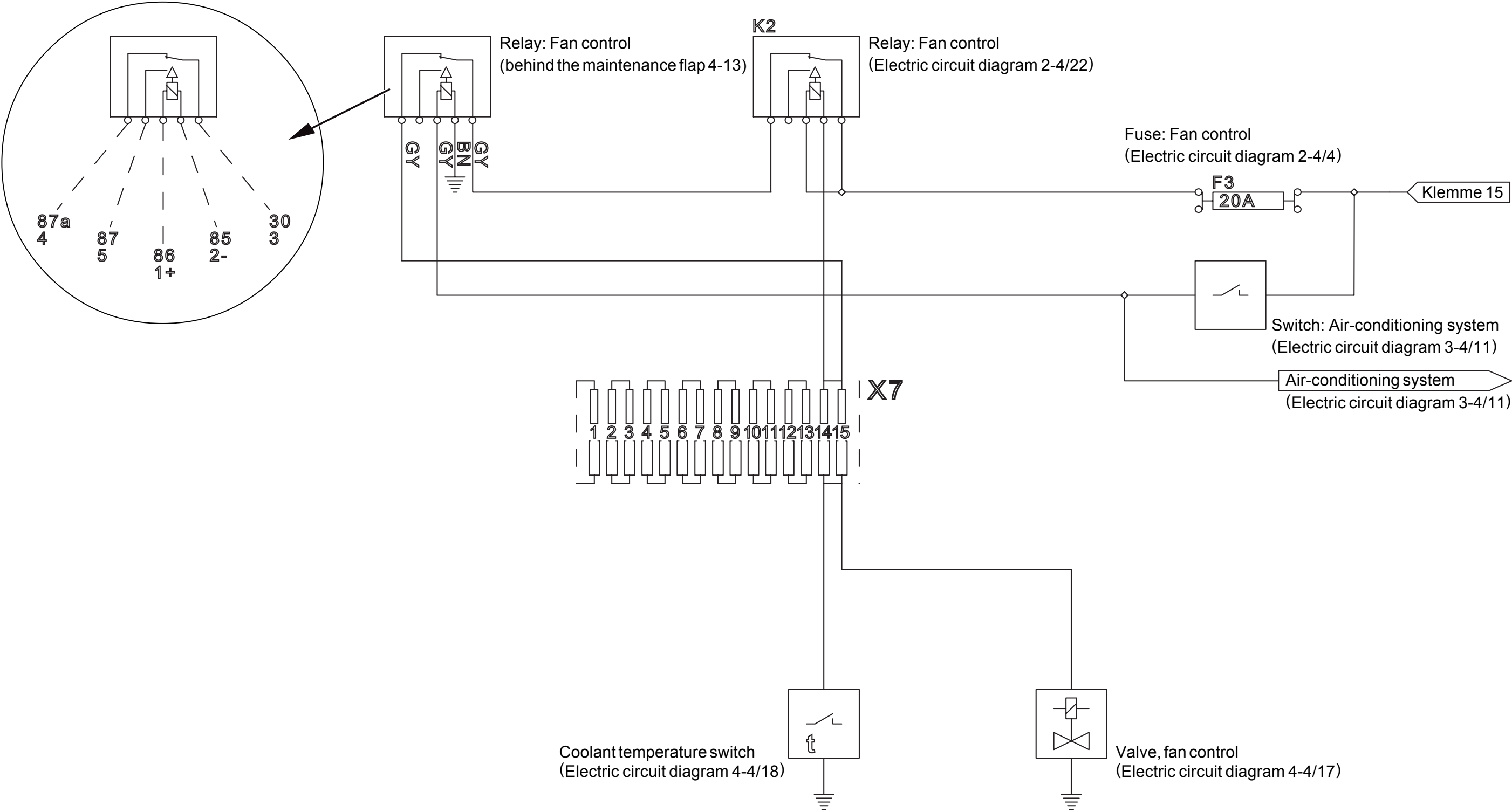
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10.1.1 - 06.2009 Electric circuit diagram (air-conditioning system fan control)



10.1 Electric circuit diagram**Sheet/item Designation**

1-4/1	Multifunction panel
1-4/2	Actuator: release of quick-change device
1-4/3	Actuator: rear window wiper/washer
1-4/4	Actuator: road lights
1-4/5	Actuator: Hazard flasher
1-4/6	Windshield wiper motor, front
1-4/7	Steering column switch

Sheet/item Designation

2-4/1	2-pole socket
2-4/2	Fuse 10,0 A (traction drive)
2-4/3	Fuse 7,5 A (turn signal)
2-4/4	Fuse 20,0 A (hydraulics/brake light)
2-4/5	Fuse 20,0 A (heater)
2-4/6	Fuse 20,0 A (rear window heater)
2-4/7	Fuse 15,0 A (high beam)
2-4/8	Fuse 15,0 A (low beam)
2-4/9	Fuse 5,0 A (parking light, tail light left)
2-4/10	Fuse 5,0 A (parking light, tail light right)
2-4/11	Fuse 15,0 A (hazard flasher)
2-4/12	Fuse 20,0 A (windshield wiper/washer)
2-4/13	Free
2-4/14	Fuse 20,0 A (working light)
2-4/15	Fuse 30,0 A (beacon light)
2-4/16	Maxi fuse 100,0 A
2-4/17	Maxi relay (power supply)
2-4/18	Start switch
2-4/19	Turn signal relay
2-4/20	Interval timer
2-4/21	Relay for differential lock
2-4/22	Relay, fan control
2-4/23	Traction drive cut-out relay
2-4/24	Relay for power adaptation: reverse
2-4/25	Relay for power adaptation: forward
2-4/26	Relay Alpha max.
2-4/27	Starter interlock relay
2-4/28	Acoustic buzzer, hydraulic oil temperature

Sheet/item Designation

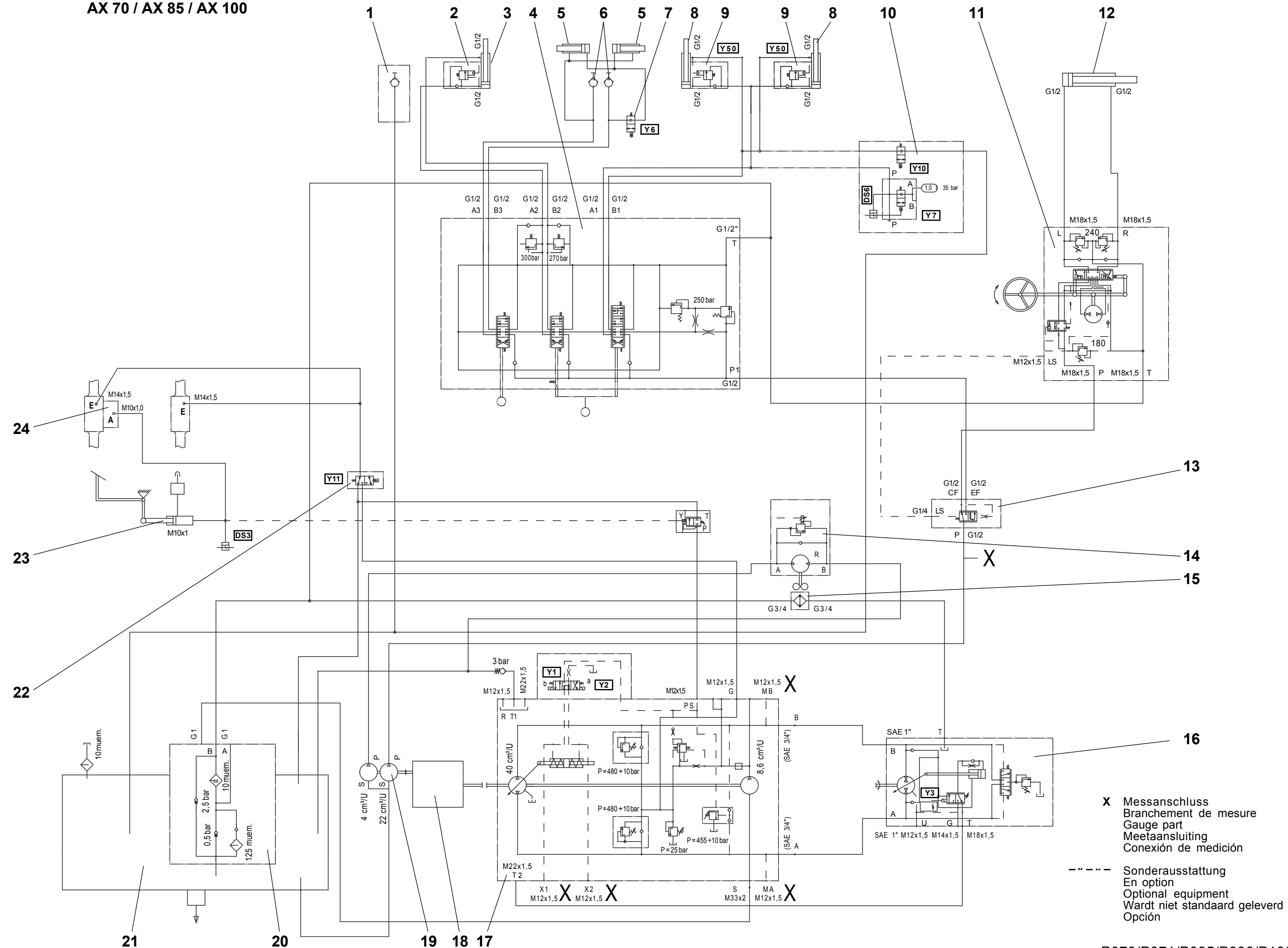
3-4/1	Actuator: Rear window heater
3-4/2	Actuator: working lights
3-4/3	Actuator: lifting device suspension (option)
3-4/4	Actuator: Warning beacon (opt.)
3-4/5	Actuator: Permanent auxiliary hydraulics (opt.)
3-4/6	Actuator: Pipe break protection (option)
3-4/7	Actuator: fan/blower
3-4/8	Radio (option)
3-4/9	Relay for controller engine
3-4/10	Fuse (20A) controller engine
3-4/11	Air-conditioning system (option)
3-4/12	Accelerator
3-4/13	Coupling, air condition compressor
3-4/14	Heater fan motor

Sheet/item Desigation

4-4/1	Wiper motor, rear
4-4/2	Interior lighting
4-4/3	Switch: Interior lighting
4-4/4	Reversing buzzer
4-4/5	Working lights, rear (option)
4-4/6	Working lights, rear (option)
4-4/7	Working lights, front
4-4/8	Working lights, front
4-4/9	Warning beacon (opt.)
4-4/10	Relay, glow plugs
4-4/11	Maxi fuse (glow plugs) 100 A
4-4/12	Glow plugs
4-4/13	Starter
4-4/14	Alternator
4-4/15	Battery main switch (option)
4-4/16	Battery
4-4/17	Valve, fan control
4-4/18	Coolant temperature switch 93° C
4-4/19	Window washer motor, rear
4-4/20	Windshield washer motor, front
4-4/21	Valve, forward drive direction
4-4/22	Reversing buzzer
4-4/23	Valve, reverse drive direction
4-4/24	Reversing light, left
4-4/25	Turn signal, rear left
4-4/26	Reversing light, right
4-4/27	Turn signal, rear right
4-4/28	Tail light, right
4-4/29	Brake light, right
4-4/30	Tail light, left
4-4/31	Brake light, left
4-4/32	Dip pipe sensor
4-4/33	Switch: Hydraulic oil filter (option)
4-4/34	Switch: hydraulic oil temperature
4-4/35	Direction detection valve
4-4/36	Alpha max. valve
4-4/37	Switch: Parking brake
4-4/38	Differential lock valve
4-4/39	Memory valve, lifting device suspension (option)
4-4/40	Reservoir valve, lifting device suspension (option)
4-4/41	Valve, pipe break protection
4-4/42	Valve, pipe break protection
4-4/43	Quick-change device release valve
4-4/44	Driving light, left
4-4/45	Driving light, right
4-4/46	Signal horn
4-4/47	7-pole socket (option)
4-4/48	Lifting device suspension switch (option)
4-4/49	Brake light switch

**NOTE**

The bold numbers next to the item numbers in the electric circuit diagram are cross-references to the respective part in the hydraulic diagram.



10.2 Hydraulic circuit diagram**Item Designation**

- 01 Unpressurised return line (option)
- 02 Pipe break protection, tip cylinder (option)
- 03 Tip cylinder:
 - AX 70, AX 85 - DW 90/50/424/1480
 - AX 100 - DW 100/50/424/1480
- 04 3-way valve
- 05 Locking cylinder DW 40/25/50/167
- 06 Auxiliary hydraulics
- 07 Valve, quick change device lock
- 08 Lift cylinder
 - AX 70 - DW 70/40/600/876
 - AX 85 - DW 80/40/600/876
 - AX 100 - DW 90/45/600/876
- 09 Pipe break protection, lift cylinder (option)
- 10 lifting device suspension (option)
- 11 Steering unit, 320/160 cm³/rev.
- 12 Steering cylinder DW 80/35/295/585
- 13 Priority valve
- 14 Fan motor
- 15 Hydraulic oil cooler
- 16 Drive motor:
 - AX 70/20 km/h and AX 85/20 km/h: - A6VM 80 HA
 - AX 70/30 km/h, AX 85/30 km/h, AX 100 - A6VM 107 HA
- 17 Drive pump A4VG 40 DA
- 18 Drive engine:
 - AX 70, AX 85 - John Deere 4024HF295A / 46.0 kW / 2800 rpm
 - AX 100 - John Deere 4024HF295B / 49.0 kW / 2800 rpm
- 19 Tandem gear pump, 32/4 cm³/rev.
- 20 Combined suction and return flow filter
- 21 Hydraulic oil tank
- 22 Differential lock
- 23 Main brake cylinder
- 24 Drum brake
 - AX 70 - 20 km/h
 - AX 85 - 20 km/hDisc brake
 - AX 70 - 30 km/h
 - AX 85 - 30 km/h
 - AX 100

option = Special equipment