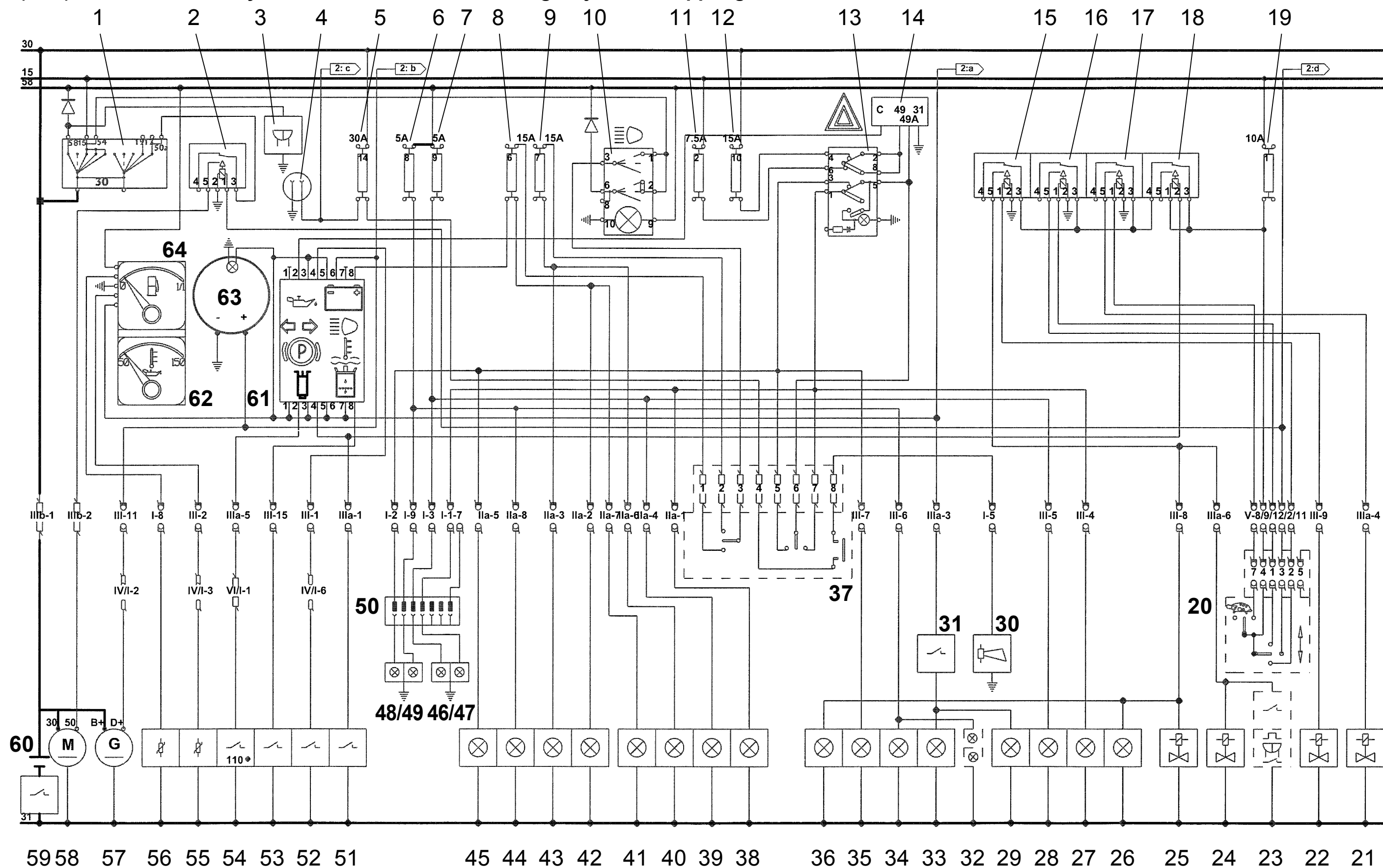
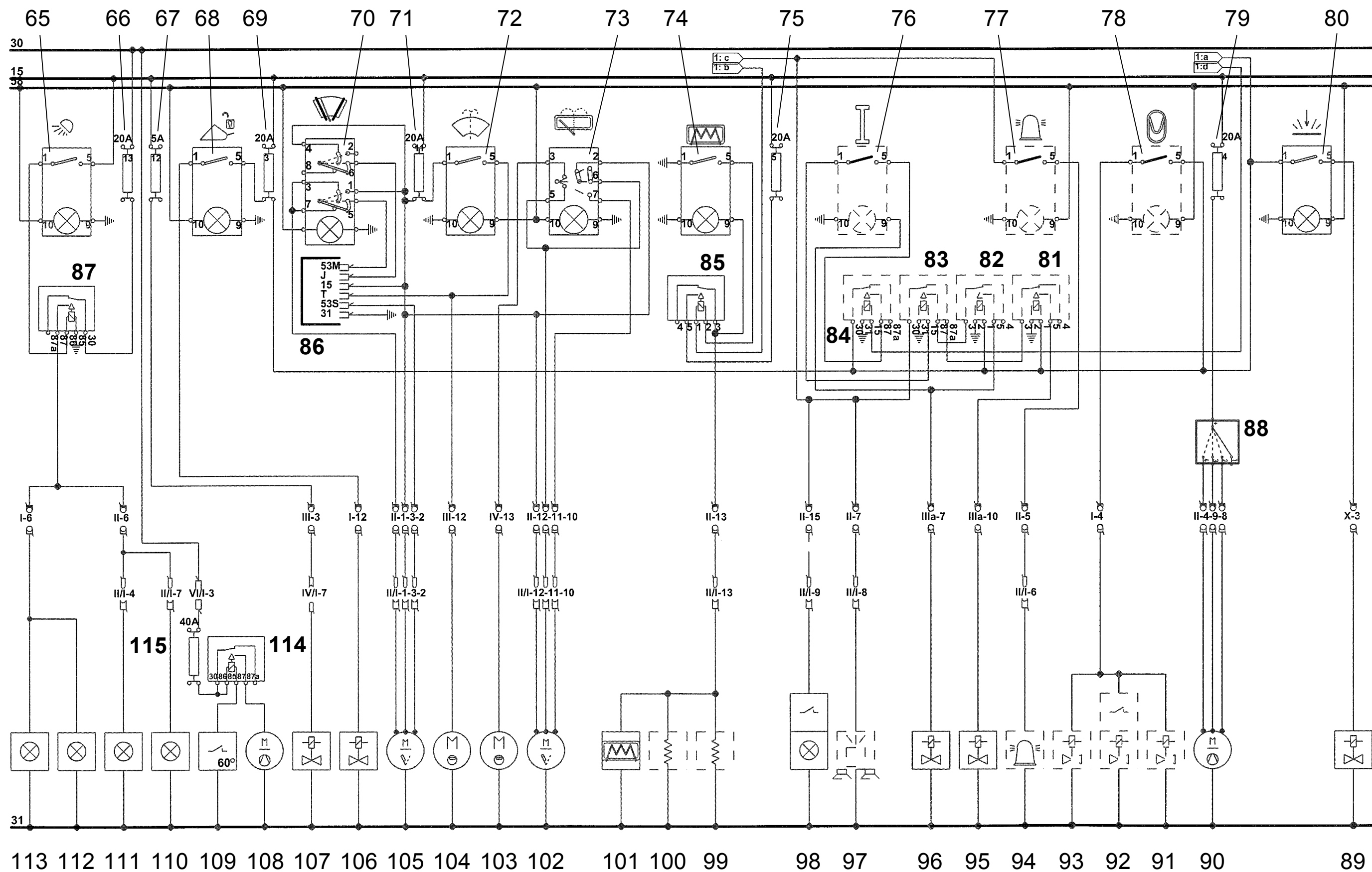


Wiring and Hydraulics

10.1 - 02.05 Elektrik-Schaltplan/Schéma électrique/Wiring diagramm/Elektrisch schakelschema/EI-oversigt/Diagrama de conexiones eléctricas/ (11.1) Sähkökytkentäkaavio/Elektrisk koblingsskema/EI-kopplingsschema



10.1 - 02.05 Elektrik-Schaltplan/Schéma électrique/Wiring diagramm/Elektrisch schakelschema/El-oversigt/Diagrama de conexiones (11.1) eléctricas/Sähkökytkentäkaavio/Elektrisk koblingsskema/El-kopplingsschema



10.1 Wiring diagram**Item Designation**

- 01 Starter switch
- 02 Start blocking relay
- 03 Parking light warning buzzer
- 04 Socket on instrument panel
- 05 Fuse (chapter 2.2, item 14)
- 06 Fuse (chapter 2.2, item 8)
- 07 Fuse (chapter 2.2, item 9)
- 08 Fuse (chapter 2.2, item 6)
- 09 Fuse (chapter 2.2, item 7)
- 10 Switch for driving lights required by German traffic regulations
- 11 Fuse (chapter 2.2, item 2)
- 12 Fuse (chapter 2.2, item 10)
- 13 Hazard flasher light switch
- 14 Flasher transmitter
- 15 Relay for performance adaptation, backwards
- 16 Relay for performance adaptation, forwards
- 17 Relay for performance adaptation, fast/slow
- 18 Drive cut-off relay
- 19 Fuse (chapter 2.2, item 1)
- 20 Activation of:
fast/slow driving stages, forwards/backwards
- 21 Valve, slow/fast driving speed
- 22 Valve, forward drive direction
- 23 Reversing warning indicator (opt.)
- 24 Valve, reverse drive direction
- 25 Valve, determination of direction (opt.)
- 26 Reversing light, right
- 27 Turn indicator light, rear right
- 28 Rear light, right
- 29 Brake light, right
- 30 Horn
- 31 Brake light switch
- 32 License plate illumination (opt.)
- 33 Brake light, left
- 34 Rear light, left
- 35 Turn indicator light, rear left
- 36 Reversing light, left
- 37 Steering column switch
- 38 Turn indicator light, front right
- 39 Parking light, right
- 40 Dipped beam, right
- 41 High beam, right
- 42 High beam, left
- 43 Dipped beam, left
- 44 Parking light, left
- 45 Turn indicator light, front left

Bucket protection:

- 46 Turn indicator, right
- 47 Contour light, right
- 48 Contour light, left
- 49 Turn indicator, left

- 50 Socket, 7-pin
- 51 Parking brake switch
- 52 Switch, engine oil pressure
- 53 Switch, hydraulic oil filter

Item Designation

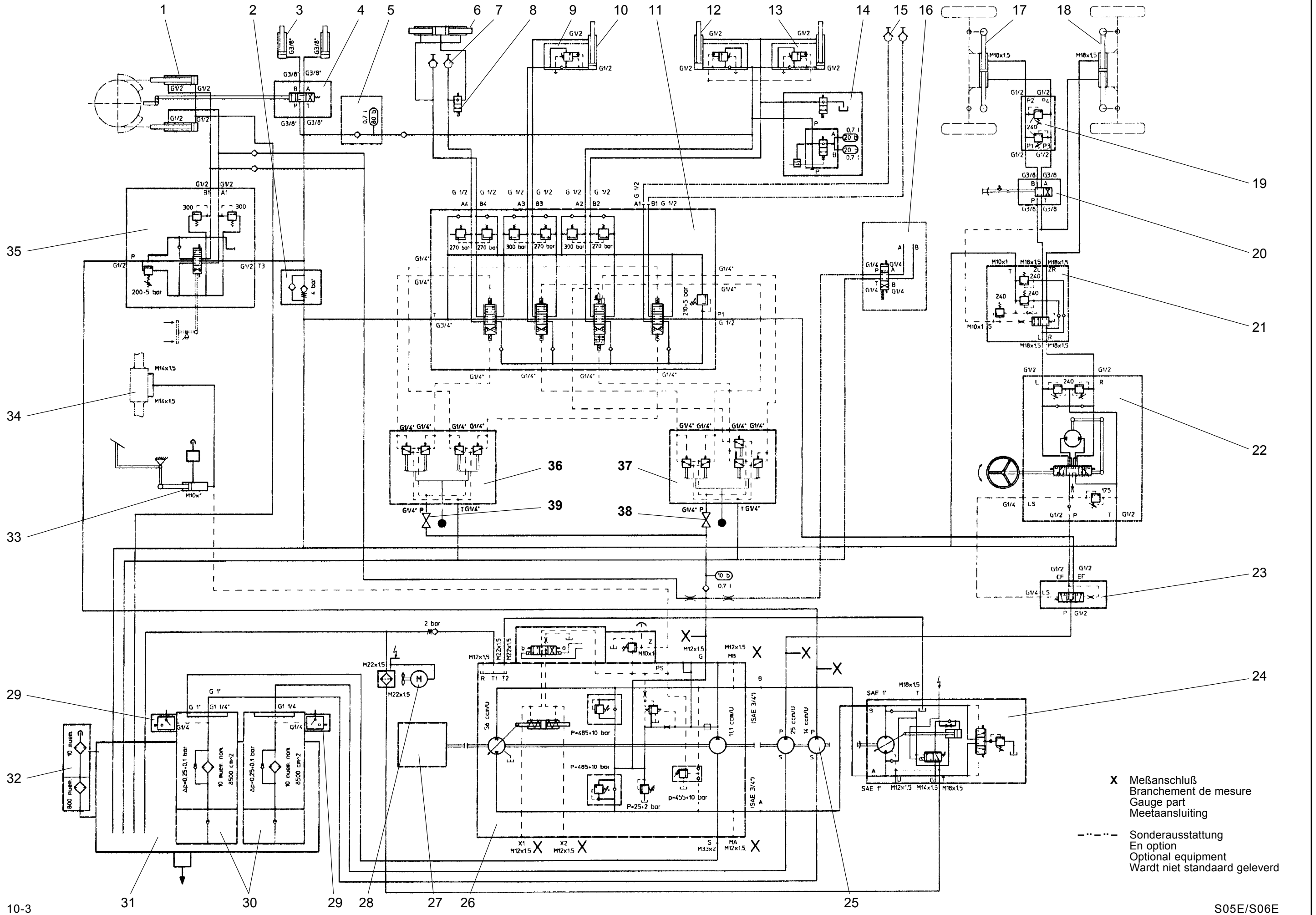
- 54 Switch, hydraulic oil temperature
- 55 Engine oil pressure sensor
- 56 Immersion tube sensor
- 57 Generator
- 58 Starter motor
- 59 Battery main switch
- 60 Battery
- 61 Indicator light unit
- 63 Operating hour meter
- 62 Engine oil temperature display
- 64 Fuel level display

Item Designation

65	Activation of working lights
66	Fuse (chapter 2.2, item 13)
67	Fuse (chapter 2.2, item 12)
68	Activation of release for quick-change device
69	Fuse (chapter 2.2, item 3)
70	Activation of front interval wiper
71	Fuse (chapter 2.2, item 11)
72	Activation of front washer
73	Activation of rear wiper/washer
74	Activation of rear window heater
75	Fuse (chapter 2.2, item 5)
76	Activation of switch gear (opt.)
77	Activation of beacon light (opt.)
78	Activation of lifting device suspension
79	Fuse (chapter 2.2, item 4)
80	Activation of permanent operation of auxiliary hydraulics (opt.)
81	Micro relay 2nd gear (opt)
82	Micro relay 1st gear (opt)
83	Gear shift impulse relay (opt)
84	Gear shift timer relay (opt)
85	Relay, rear window heater
86	Interval transmitter
87	Relay for working lights
88	Activation of ventilation/fan
89	Valve, permanent operation of auxiliary hydraulics (opt.)
90	Fan motor, heating
91	Reservoir valve, lifting device suspension
92	Reservoir valve, lifting device suspension
93	Combination valve: pipe break protection / lifting device suspension (opt)
94	Beacon light (opt.)
95	Valve, gear stage 2 (opt.)
96	Valve, gear stage 1 (opt.)
97	Radio (opt.)
98	Interior lights
99	Heatable rearview mirror, right (opt.)
100	Heatable rearview mirror, left (opt.)
101	Rear window heater
102	Motor, rear wiper
103	Motor, rear washer
104	Motor, front washer
105	Motor, front wiper
106	Valve, release for quick-change device
107	Valve, engine switch-off
108	Ventilation motor, oil cooler
109	Temperature switch, oil cooler
110	Working light, rear left
111	Working light, rear right
112	Working light, front left
113	Working light, front right
114	Relay, oil cooler
115	Fuse (oil cooler)

opt. = optional equipment

10.2 - 06.2001 Hydraulischschaltplan/Schéma hydraulique/Hydraulisch schakelschema/Hydraulic circuit diagram/Hydraulikoversigt/Plano de conexiones hidráulicas/Hydraulisk koblingsskjema/ (11.2) Hydraulik kopplingsschema AS 70 / AS 90 / AZ 85t



10.2 Hydraulic circuit diagram

Item Designation

01	Swivel cylinder DW 100/50/620/960
02	Servo pressure valve (option)
03	Supporting cylinder EW 50/145/438
04	Supporting valve
05	Reservoir system, pipe break protection (option)
06	Locking cylinder DW 63/50/274
07	Auxiliary hydraulics, external circuit
08	Electrical locking device
09	Pipe break protection, tilt cylinder (option)
10	Tilt cylinder DW 90/50/465/783 (AS 70) Tilt cylinder DW 100/50/465/783 (AS 90 / AZ 85t)
11	4-way valve
12	Lift cylinder DW 80/50/555/857 (AS 70) Lift cylinder DW 90/50/555/857 (AS 90 / AZ 85t)
13	Pipe break protection, lift cylinder (option)
14	Lifting device suspension
15	Auxiliary hydraulics, internal circuit (option)
16	Gear shift (fast loader)
17	Steering cylinder, front
18	Steering cylinder, rear
19	Double shock valve
20	Steering switching valve
21	Blocking valve (option)
22	Steering unit, 200/100 cm ³ /rev.
23	Priority valve
24	Drive motor A6VM 107 HA
25	Gear-type pump, (25 + 14) cm ³ /rev. (AS 70) Gear-type pump, (32 + 14) cm ³ /rev. (AS 90 / AZ 85t)
26	Drive pump A4VG 56 DA
27	Drive motor KHD BF4L 1011 FT (AS 70) Drive motor KHD BF4L 1011F (AS 90 / AZ 85t)
28	Hydraulic oil cooler with electric fan
29	Electric contamination indicator
30	Suction filter
31	Hydraulic oil tank
32	Filling/ventilation filter
33	Stepped main brake cylinder
34	Lamella brake
35	1-way valve
36	Control pressure transmitter, auxiliary hydraulics
37	Control pressure transmitter, working hydraulics
38	Shut-off valve, working hydraulics
39	Shut-off valve, auxiliary hydraulics