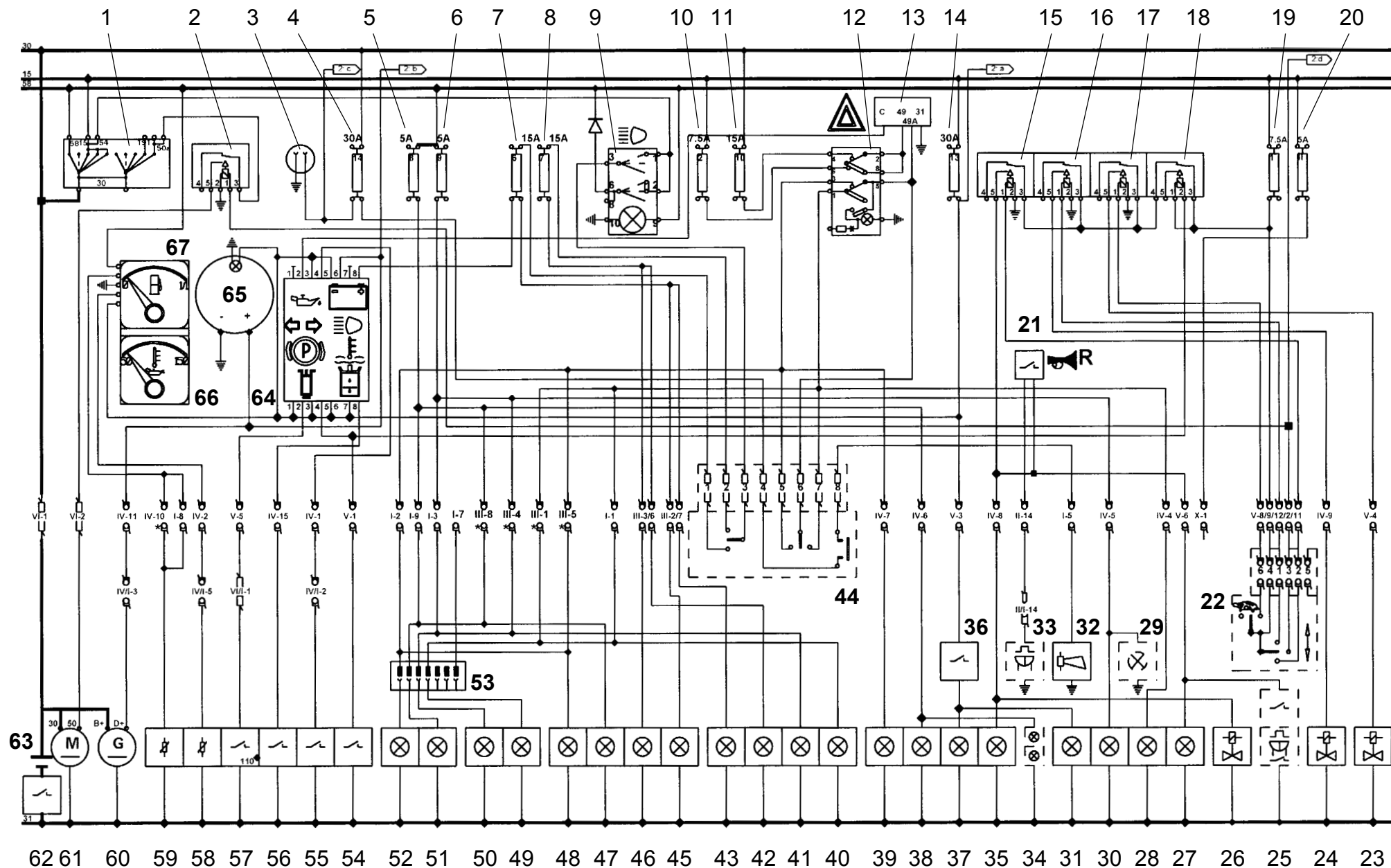
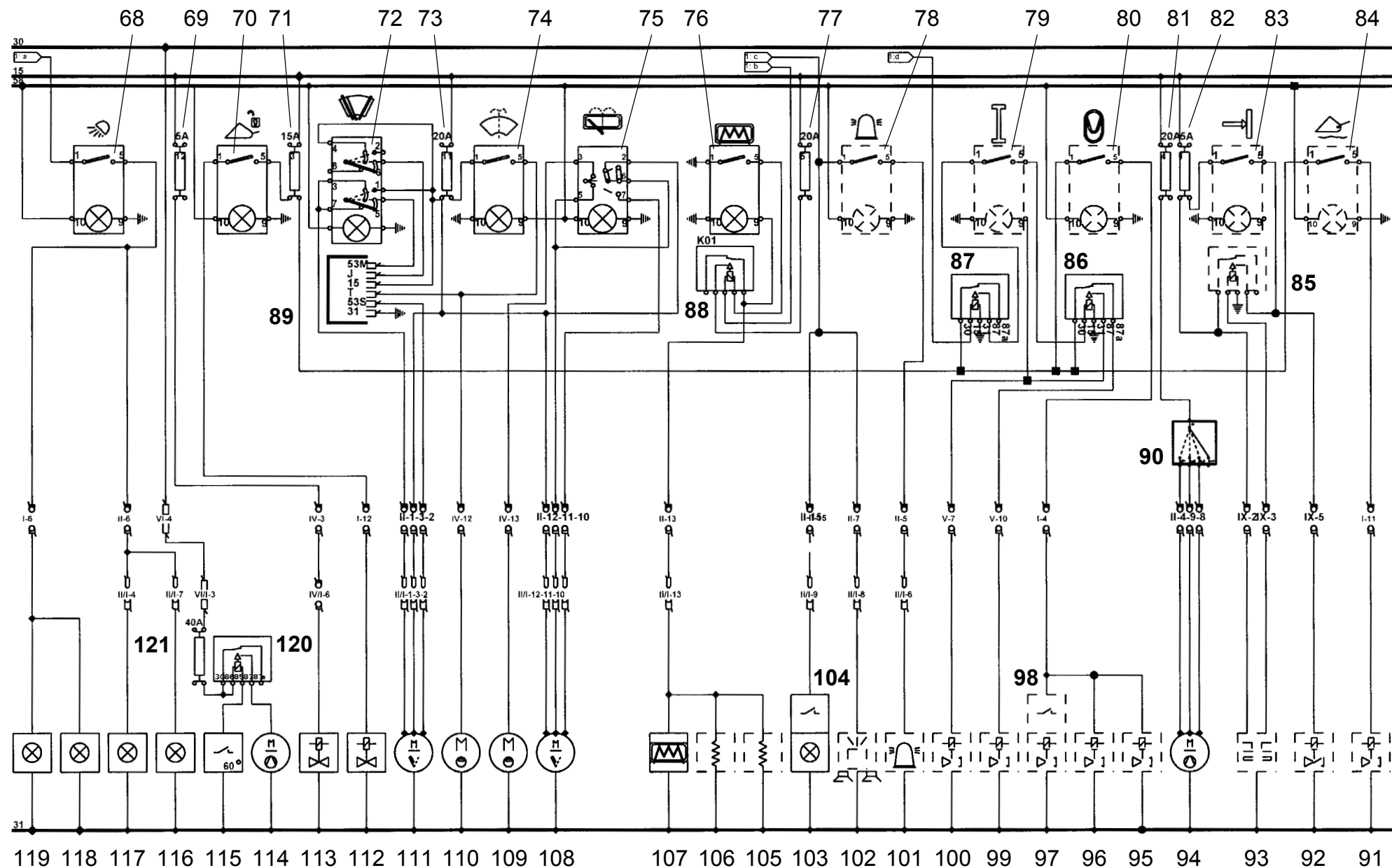


Appendices

**10.1 - 11.2001 Elektrik-Schaltplan/Schéma électrique/Wiring diagramm/Elektrisch schakelschema/EI-oversigt/
(11.1) Diagrama de conexiones eléctricas/Elektrisk koblingsskjema/EI-kopplingsschema**



**10.1 - 11.2001 Elektrik-Schaltplan/Schéma électrique/Wiring diagramm/Elektrisch schakelschema/El-oversigt/
(11.1) Diagrama de conexiones eléctricas/Elektrisk koblingsskjema/El-kopplingschema**



11.1 Wiring diagram

Item Designation

- 01 Starter switch
- 02 Start blocking relay
- 03 Socket on instrument panel
- 04 Fuse (chapter 2.2, item 14)
- 05 Fuse (chapter 2.2, item 8)
- 06 Fuse (chapter 2.2, item 9)
- 07 Fuse (chapter 2.2, item 6)
- 08 Fuse (chapter 2.2, item 7)
- 09 Switch for driving lights required by German traffic regulations
- 10 Fuse (chapter 2.2, item 2)
- 11 Fuse (chapter 2.2, item 10)
- 12 Hazard flasher light switch
- 13 Flasher transmitter
- 14 Fuse (chapter 2.2, item 13)
- 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 Fuse (opt.)
- 21 Switch: disconnectable reversing buzzer (opt.)
- 22 Activation of: fast/slow driving stages, forwards/backwards
- 23 Valve, slow/fast driving speed
- 24 Valve, forward drive direction
- 25 Adjustable, disconnectable reversing buzzer (opt.)
- 26 Valve, reverse drive direction
- 27 Reversing light, right
- 28 Turn indicator light, rear right
- 29 Motor compartment illumination (opt.)
- 30 Rear light, right
- 31 Brake light, right

Item Designation

- 32 Horn
- 33 Reversing warning indicator (opt.)
- 34 License plate illumination (opt.)
- 35 Reversing light, left
- 36 Brake light switch
- 37 Brake light, left
- 38 Rear light, left
- 39 Turn indicator light, rear left
- 40 Turn indicator light, front right
- 41 Parking light, right
- 42 Dipped beam, right
- 43 High beam, right
- 44 Steering column switch
- 45 High beam, left
- 46 Dipped beam, left
- 47 Parking light, left
- 48 Turn indicator light, front left

Bucket protection:

- 49 Turn indicator, right
- 50 Contour light, right
- 51 Contour light, left
- 52 Turn indicator, left
- 53 Socket, 7-pin
- 54 Parking brake switch
- 55 Switch, engine oil pressure
- 56 Switch, hydraulic oil filter
- 57 Switch, hydraulic oil temperature
- 58 Engine oil pressure sensor
- 59 Immersion tube sensor
- 60 Generator
- 61 Starter motor
- 62 Battery main switch
- 63 Battery
- 64 Indicator light unit
- 65 Operating hour meter
- 66 Engine oil temperature display
- 67 Fuel level display

Item Designation

- 68 Activation of working lights
- 69 Fuse (chapter 2.2, item 12)
- 70 Activation of release for quick-change device
- 71 Fuse (chapter 2.2, item 3)
- 72 Activation of front interval wiper
- 73 Fuse (chapter 2.2, item 11)
- 74 Activation of front washer
- 75 Activation of rear wiper/washer
- 76 Activation of rear window heater
- 77 Fuse (chapter 2.2, item 5)
- 78 Activation of beacon light (opt.)
- 79 Activation of switch gear (opt.)
- 80 Activation of lifting device suspension (opt.)
- 81 Fuse (chapter 2.2, item 4)
- 82 Fuse (option)
- 83 Activation of lifting restriction (opt.)
- 84 Activation of floating position (AL 70e only)
- 85 Relay, lifting restriction (opt.)
- 86 Gear shift impulse relay
- 87 Gear shift timer relay
- 88 Relay, rear window heater
- 89 Interval transmitter
- 90 Activation of ventilation/fan
- 91 Floating position valve (AL 70e only)
- 92 Valve, lifting restriction (opt.)
- 93 Proximity switch, lifting restriction (opt.)
- 94 Fan motor, heating
- 95 Combination valve pipe break safety device/lifting device suspension (opt.)
- 96 Reservoir valve, lifting device suspension (opt.)
- 97 Reservoir valve, lifting device suspension

Item Designation

- 98 Pressure switch, lifting device suspension (opt.)
- 99 Valve, gear stage 2 (opt.)
- 100 Valve, gear stage 1 (opt.)
- 101 Beacon light (opt.)
- 102 Radio (opt.)
- 103 Interior lights
- 104 Switch, interior lights
- 105 Heatable rearview mirror, right (opt.)
- 106 Heatable rearview mirror, left (opt.)
- 107 Rear window heater
- 108 Motor, rear wiper
- 109 Motor, rear washer
- 110 Motor, front washer
- 111 Motor, front wiper
- 112 Valve, release for quick-change device
- 113 Valve, engine switch-off
- 114 Ventilation motor, oil cooler
- 115 Temperature switch, oil cooler
- 116 Working light, rear left
- 117 Working light, rear right
- 118 Working light, front left (opt.)
- 119 Working light, front right (opt.)
- 120 Relay, oil cooler
- 121 Fuse (oil cooler)

opt. = optional equipment

11.2 Hydraulic circuit diagram

Item	Designation
01	Pipe break protection, tilt cylinder (option)
02	Tilt cylinder DW 100/60/426/739 (AL 70e and AL 85t) Tilt cylinder DW 110/70/426/739 (AL 100t and AL 100ti)
03	Locking cylinder DW 63/50/274
04	Auxiliary hydraulics
05	Electrical locking device
06	Lifting cylinder DW 80/50/570/885 (AL 70e and AL 85t) Lifting cylinder DW 90/50/570/885 (AL 100t and AL 100ti)
07	Pipe break protection, lifting cylinder (option)
08	3-way valve
09	Floating position valve (AL 70e only)
10	Lifting device suspension (option)
11	Steering cylinder DW 85/35/260/545
12	Steering unit 320/160 cm ³ /rev.
13	Priority valve
14	Gear shift (fast loader)
15	Hydraulic oil cooler
16	Drive motor A6VM 80 HA
17	Gear-type pump, 28 cm ³ /rev. (AL 70e and AL 85t) Gear-type pump, 33 cm ³ /rev. (AL 100t and AL 100ti)
18	Drive pump A4VG 56 DA
19	Drive motor AL 70e - KHD F4L 1011 F / 37 kW / 2300 rpm AL 85t - KHD F4L 2011 / 42 kW / 2300 rpm AL 100t - KHD BF4L 1011 F / 51.5 kW / 2500 rpm AL 100ti - KHD BF4L 1011 F / 51.5 kW / 2500 rpm
20	Strainer
21	Combined suction and return flow filter
22	Hydraulic oil reservoir
23	Electrical contamination indicator
24	Main brake cylinder
25	Lamella brake
26	Parking brake valve
27	Control pressure transmitter
28	Shut-off valve, working hydraulics