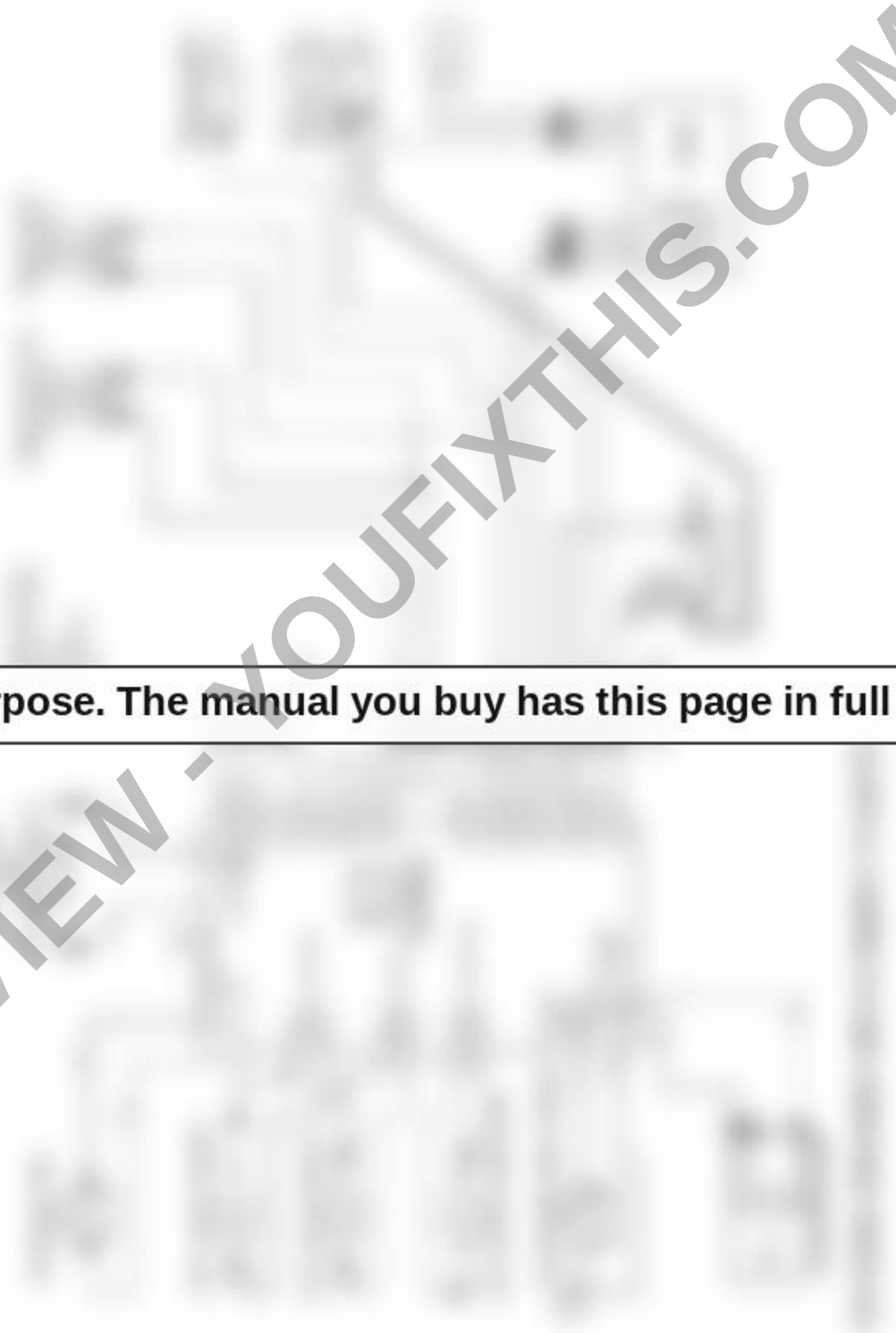
10 Wiring diagram

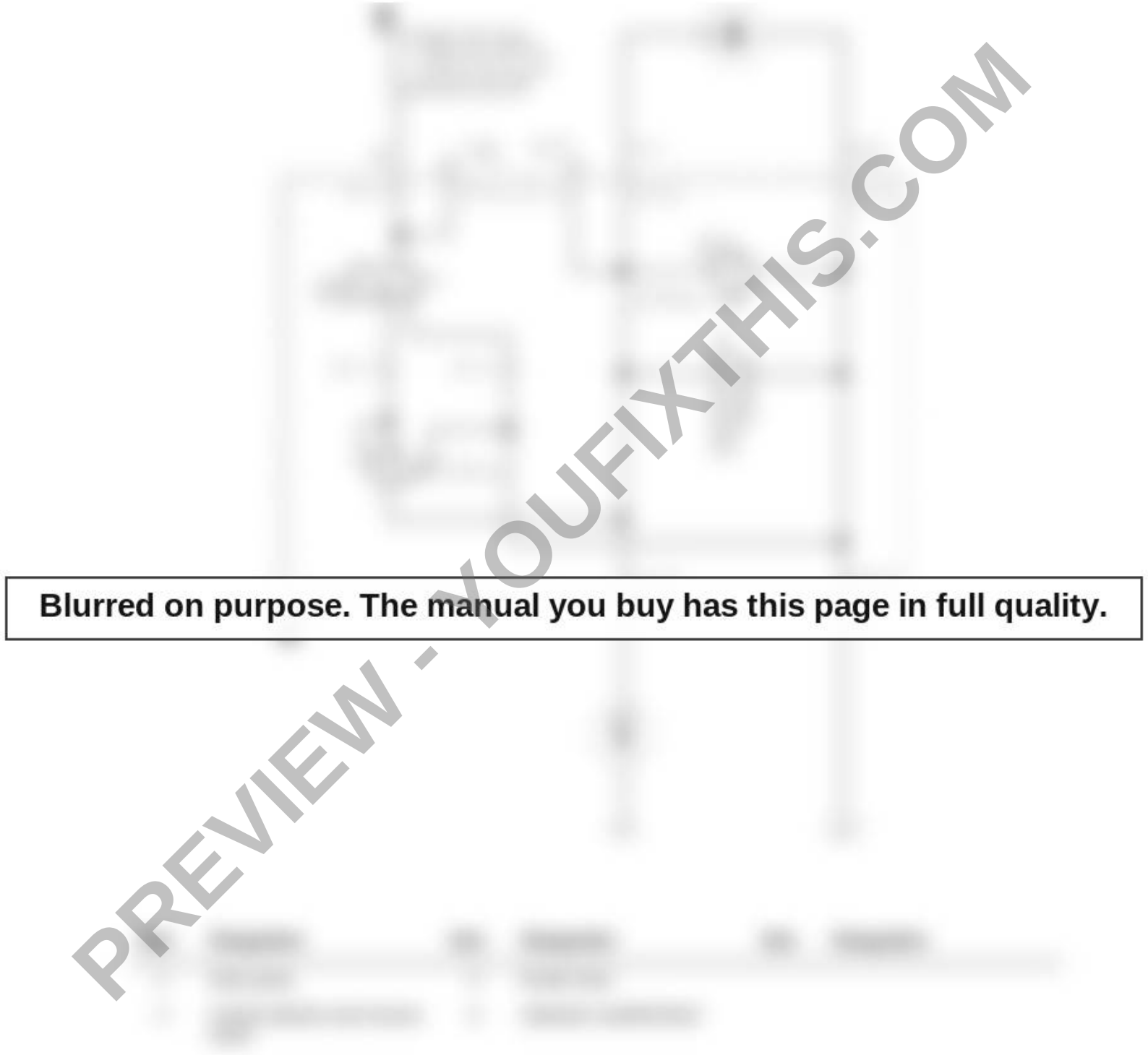


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11 Hydraulic wiring diagram



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13 Torque values



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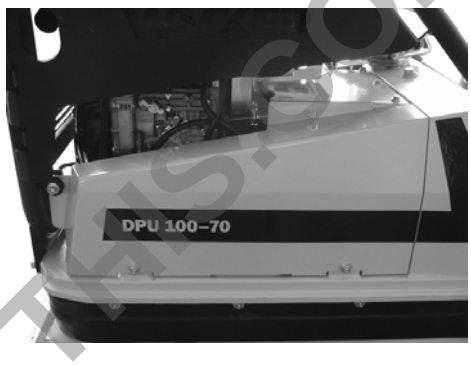
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1. Use an Allen wrench (8 mm) to loosen the four cheese head screws (12,13) and remove them together with the discs (11) of each protective hood (10,16).
2. Remove the protective hoods (10,16) from the machine. Remove the bushings (14) from the protective hoods (10,16) and store towards the side.

DANGER
The protective hoods (10,16) are heavy and can fall down!





3. Unscrew the two hexagonal bolts (4) with a ring wrench (24 mm) and remove them together with the conical spring washers (5).



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9 Malfunction

9.1 Troubleshooting

Malfunction	Cause	Remedy
Forward or reverse travel speed too low	Forward/reverse safety pressure too low.	Properly adjust pressure relief valve (only Wacker Service).
	Exciter speed too low.	Readjust engine speed and check pressure valve (Wacker Service).
Loss of hydraulic oil	Leaks, hydraulic hose is defective.	Replace defective parts. **Note:** Bleed after every disassembly.
Oil control lamp does not go out	Oil level in engine too low.	Replenish oil up to marking on dipstick.
	Oil filter clogged.	Clean or replace oil filter.
Charging control lamp does not go out	Generator defective.	Contact Wacker Service.
	Controller defective.	Replace controller.
Engine is difficult to start	Push-button switch on control panel not in start position.	Set push-button switch to start position.
	Throttle lever not in full throttle position.	Shift throttle lever to full throttle in direction of machine.
Engine will not start	Ignition lock defective.	Replace defective parts.
	Starter defective.	
	Starter button defective.	
	Battery discharged.	Charge battery.
	Vibrating is switched on.	Switch vibrating off.

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8 Maintenance

8.1 Maintenance schedule

Component	Maintenance work	Maintenance interval
Air cleaner	Check cyclone and oil bath air cleaner - replace oil and clean cyclone if necessary.	Daily
Drive motor	Check oil level, refill oil if necessary.	
	Initial oil change.	After 25 hours
Center pole height adjustment, Transport retainer	Relubricate	Weekly
Hydraulic	Check the oil level - add oil as needed.	Monthly
Drive motor	Replace oil, oil filter.	Every 250 h
	Keep cooling fins free of dirt, dry clean.	
Battery	Check acid level and fill up with distilled water as needed.	
Valve clearance	Check, set to 0.15 mm when engine is cold.	
Hydraulic	Initial oil change.	After 500 hours
Fuel filter	Replace the fuel filter.	Every 500 h
Hydraulic filter	Change hydraulic filter.	
Hydraulic	Oil change.	Every 1000 h

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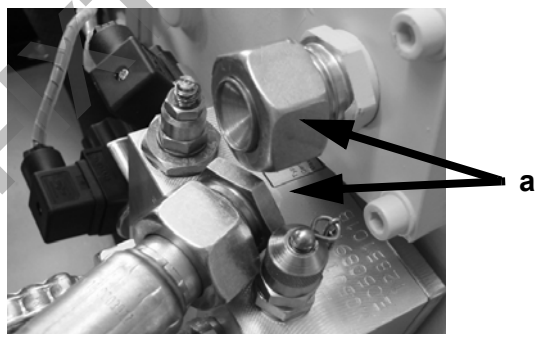
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- First remove the left side cover (left side from the operator's position). See chapter 7.1 "Disassembling covers and the protective frame". The disassembly of the actuator and the protective frame facilitates the disassembly process but is not a requirement.

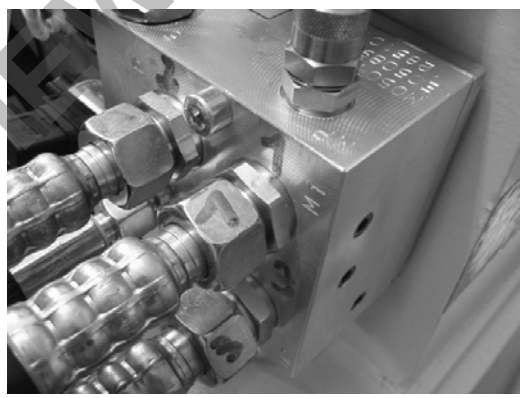
Note: In case the components listed above must be serviced, the tank with its 42 liters of hydraulic oil may **suddenly** drain during the work. In order to avoid this, the hose pipes can be closed off with plugs or the tank can be emptied prior to commencing work. The technician must decide the best course of action for each individual case and carry out the corresponding action.
Please observe the appropriate rules and regulations for working with hydraulic oil valid in your country!

1. Loosen the screwed connection of the suction line (1) with an open end wrench (36 mm) and remove from intake pipe. We recommend closing off the hose pipes and openings with plugs (a).



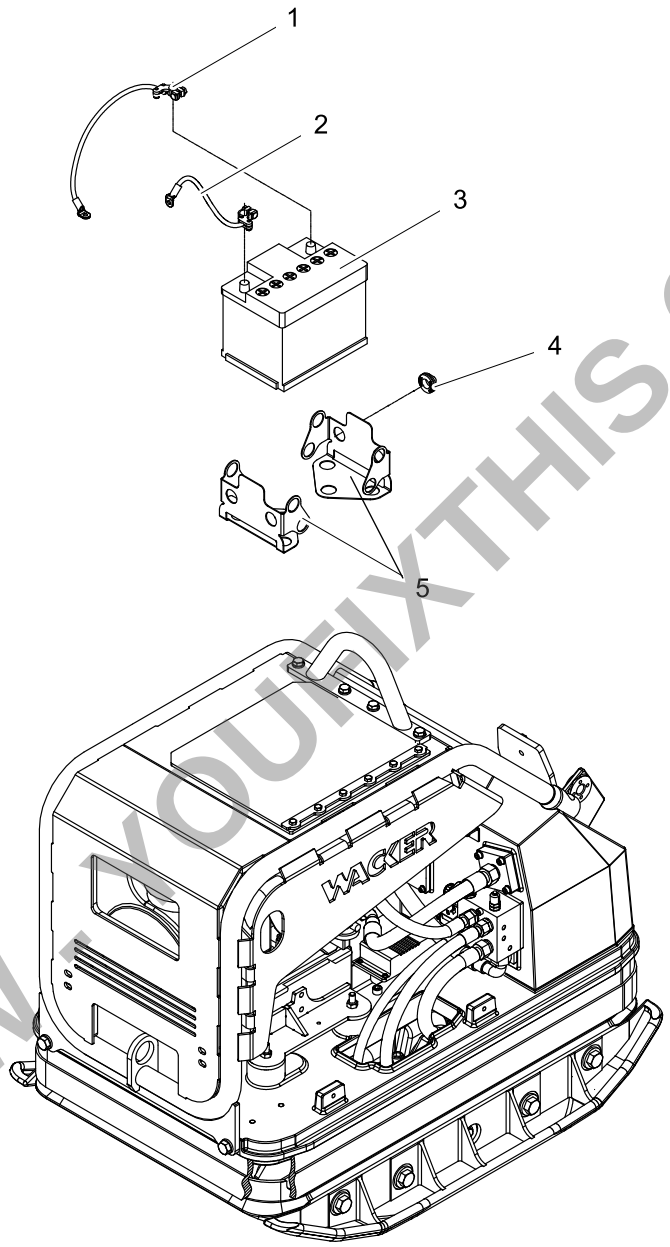


2. Five hose pipes (5-9) are connected to the hydraulic manifold block (3). We recommend marking the hose pipes and their connections for faster re-assembly and to avoid connection errors. Using number is one possibility.



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7.2 Battery

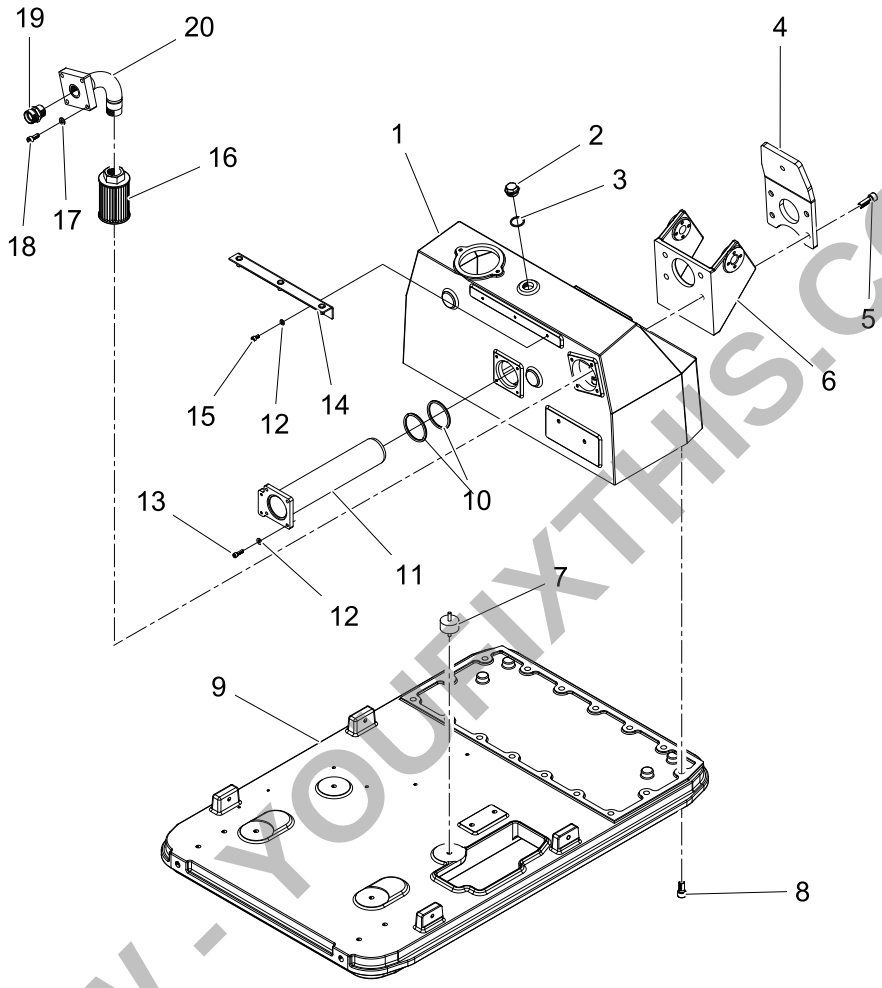


Item	Designation	Item	Designation	Item	Designation
1	Minus pole line	3	Battery	5	Battery protection support
2	Plus pole line	4	Damper		

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7.12 Tank



Item	Designation	Item	Designation	Item	Designation
1	Tank	8	Cheese head screw	15	Cheese head screw
2	Screw plug	9	Upper mass	16	Suction filter
3	Sealing ring	10	O-ring	17	Disc
4	Detent plate	11	Lead-through	18	Cheese head screw
5	Cheese head screw	12	Conical spring washer	19	Screwed socket
6	Center pole support	13	Cheese head screw	20	Intake pipe
7	Rubber damper	14	Bracket		

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10 Wiring diagram

10.1 Components

The "Item" column refers to the wiring harness, see chapters 7.3 and 8.3.

Item	Designation in wiring diagramm	Meaning
A1	Schaltteil	Switching element
A2	Regler	Controller
B	Grenztaster	Limit switch
BT	Batterie	Battery
E1	LED Leuchte Vibration	Vibration LED
E2	LED Leuchte Öldruck	Oil pressure LED
E3	LED Leuchte Ladekontrolle	Charge indicator LED
F	Selbsttätig rückstellende Sicherung MF800 Bourns	Automatically resetting fuse MF800 Bourns
G	Generator	Generator
M	Starter	Starter
S1	Öldruckschalter	Oil pressure switch
S2	Druckknopfschalter Vibration	Vibration push-button switch
S3	Drucktaster Start	Start push-button
S4	Zündanlaßschalter	Ignition start switch
SV1	Magnetventil Vibration	Vibration solenoid valve
SV2	Magnetventil Vor-/Rücklauf	Solenoid valve advance and reverse travel
X2	AMP Steckverbinder 12pol.	AMP 12-pin plug connector
X3	AMP Steckverbinder 4pol.	AMP 4-pin plug connector
	Stellung gezogen	Positioned
	Pinbelegung AMP Steckverbindung 4pol. optional: 1. +12 V 2. Vibration 3. Vor/Rücklauf 4. GND	Pin assignment AMP plug connection 4-pin. optional: 1. +12 V 2. Vibration 3. Forward/reverse travel 4. GND

10.2 Line colors

Abbr.	Color	Abbr.	Color
BL	Blue	RS	Pink
BR	Brown	RT	Red
GE	Yellow	SW	Black
GN	Green	VI	Purple
GR	Gray	WS	White
OR	Orange	TR	Transparent

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