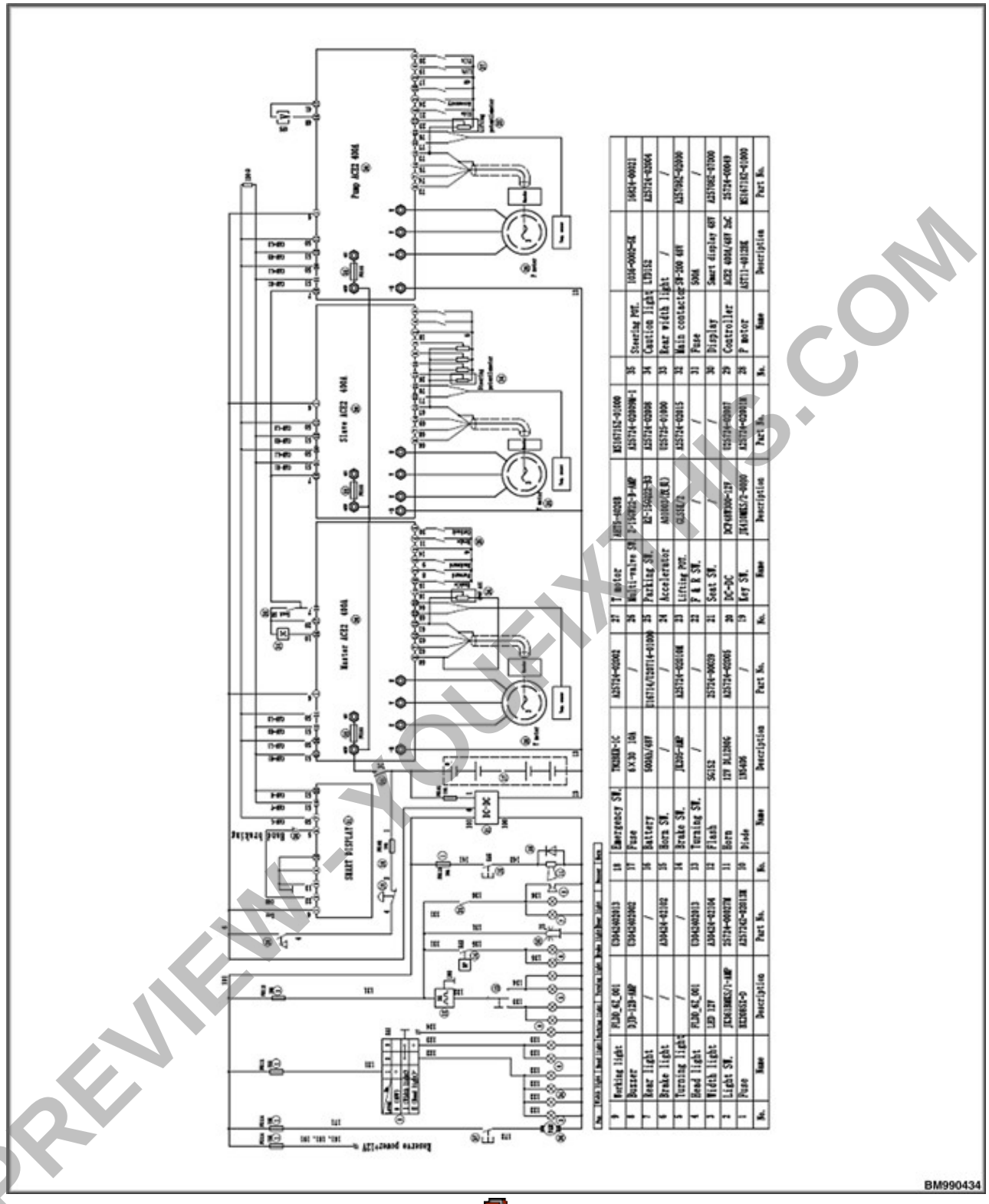


Figure 5. Electrical System Principle Diagram (General Pedal)

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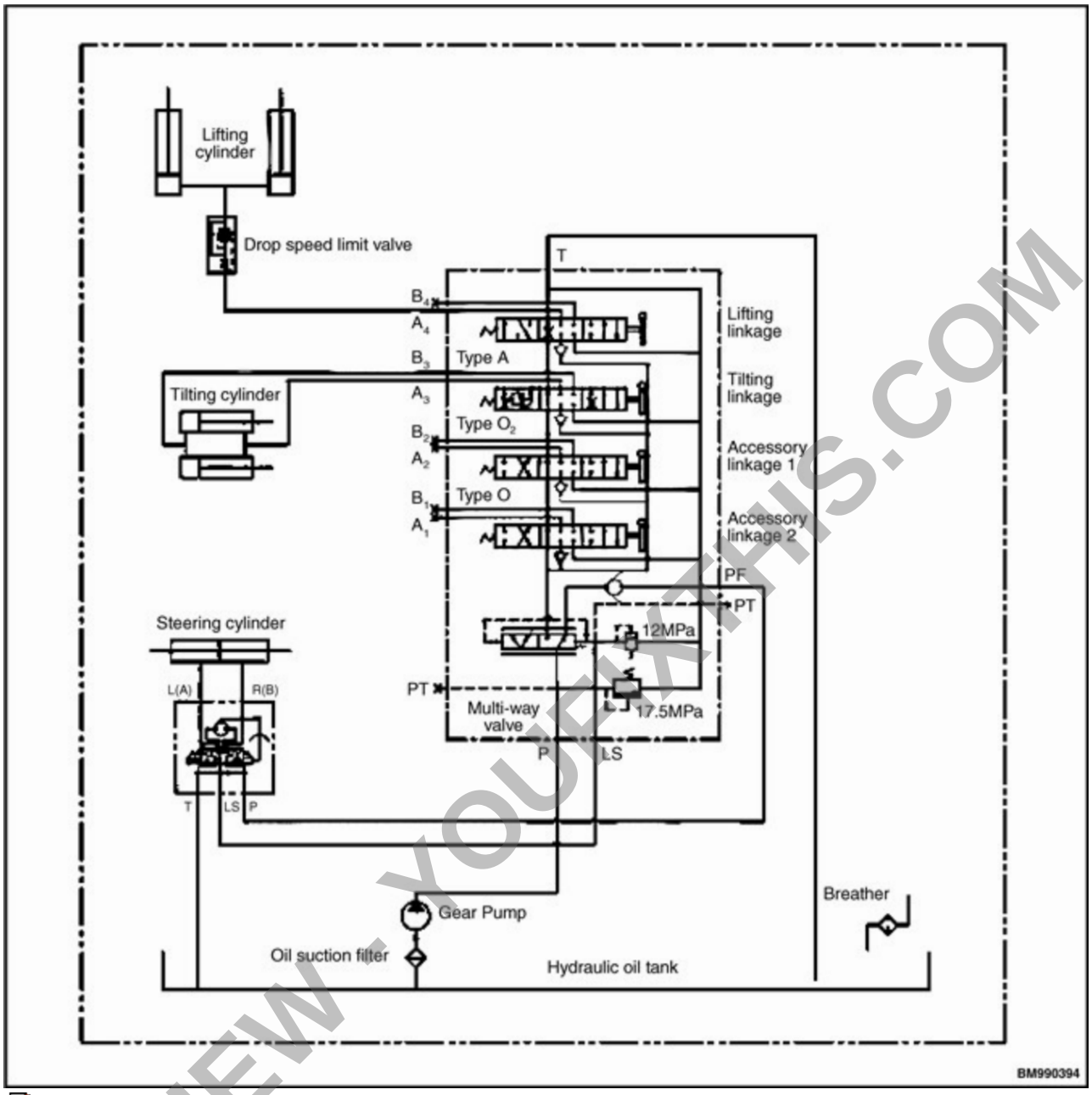


Figure 16. Hydraulic Schematic Drawing (Sheet 1 of 2)

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0xFF50	80	80	FORW + BACK	Closed
0xFF52	82	82	ENCODER ERROR	Open
0xFF56	86	86	PEDAL WIRE KO	
0xFFB5	80	151	MONOTROL XX	
0xFF98	82	152	SENSOR SUPPLY XX	
0xFF99	3	153	OFFSET SPD.SENS.	
0xFF9A	3	154	SIXSTEP ERROR	
0xFF9B	45	155	WAIT MOTOR STILL	
0xFF9D	4	157	FAULT DRV.POWER	
0xFF9E	4	158	NOT RDY DRV.POW.	
0xFF9F	5	159	HVIL FAIL	
0xFFA0	0	160	SENS BAT TEMP KO	
0xFFA1	0	161	RPM HIGH	
0xFFA2	0	162	BUMPER STOP	
0xFFA3	7	163	ED SLIP MISMATCH	
0xFFA4	6	164	PWM ACQ. ERROR	
0xFFA8	3	168	SIN/COS D.ERR XX	
0xFFA9	3	169	ENCODER D.ERR XX	
0x3101	41	170	WRONG KEY VOLT.	Open
0xFFAB	2	171	ACQUIRING A.S.	
0xFFAC	2	172	ACQUIRE ABORT	
0xFFAD	2	173	ACQUIRE END	
0xFFAF	81	175	SPEED FB. ERROR	
0xFFB0	3	176	HOME SENS.ERR XX	
0xFFB1	76	177	COIL SHOR. EB.	Open
0xFFB2	65	178	MOTOR TEMP. STOP	Closed
0xFFB3	95	179	STEER SENSOR KO	Closed
0xFFB4	57	180	OVERLOAD	Open
0xFF51	83	181	WRONG ENC SET	Open
0xFFB9	64	185	TILLER ERROR	
0xFFBA	45	186	WAIT MOT.P STILL	
0xFFBB	49	187	LIFT+LOWER	Closed
0xFFBC	50	188	PUMP VACC NOT OK	Closed
0xFFBD	79	189	PUMP INC START	Closed
0xFFBE	33	190	PUMP VMN NOT OK	Closed
0xFFBF	56	191	PUMP I NO ZERO	Open
0xFFC0	90	192	PUMP VACC RANGE	Closed
0x3302	69	193	SMARTDRIVER KO	Open

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Tyre	Refer to Table of Specifications (Solid)	
Wheel Rim	4.33R-8 (Whole)	6.50F-10 (Whole)

TRANSMISSION

These transmissions are both typical of double speed reduction, of which the first reduction gear is a cylindrical spiral gear, while and other is the planetary gear, in a compact and small structure. The structures of the transmissions are shown in Figure 2.

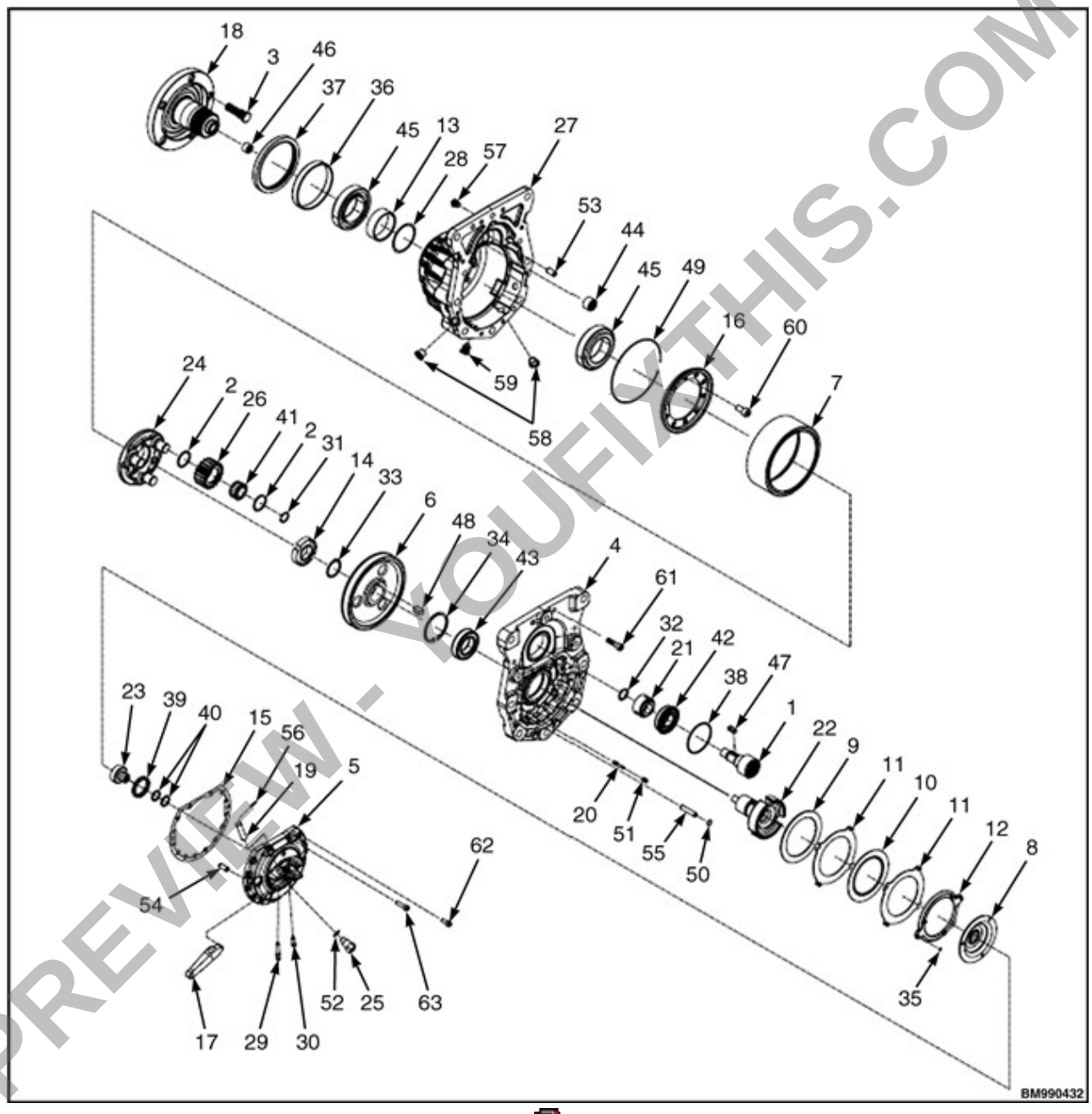


Figure 2. Axle Box

Legend for Figure 2.

1.	INPUT SHAFT	33.	POSITIONING RING
2.	SNAP SPRING	34.	POSITIONING RING
3.	HUB BOLT	35.	SNAP RING

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d. A supplementary charge or an equalizing charge shall be performed to the battery every 30 days using the 2nd-phase current of normal charge.

e. Extended long storage will affect the general service life of battery.

Use of Battery

Battery Routine Charging Steps:

1. Container cover and other coverings on battery box must be removed or opened before charge to ensure a full dispersion of flammable and combustible gas generated during charge, and steady 30 minutes when charge has been completed (only useable after 30 minutes when charge has been completed). Charging room shall be well ventilated and indoor charging house shall be installed with ventilating device.

2. Turn off the forklift truck's power supply first, and then open the battery power plug to disconnect the plug from the body end power plug.

3. Open the liquid filling plug cover on each battery unit and measure the density of electrolyte. If the density of electrolyte is smaller than 1.13kg/l (Hawker) or 1.15kg/l (Zibo), it indicates that the battery has been over-discharged (discharging depth having exceeded 80%). Repeated over-discharging may shorten the service life of battery.

4. Measure the temperature of electrolyte. If it is higher than 45°C (113°F), the following steps shall be continued after waiting for battery to cool down.

5. Connect the plug between the battery and the charger cable.

6. If Trak® air (air disturbance system) is equipped, confirm that the air pipeline has been connected.

7. If battery is equipped with automatic water supply system, connect the water pipe plug.

8. Turn on the charging switch of charger, and begin charge.

9. After charge is completed, turn off the charger power supply, poke the cable plug connection for battery and charger and other supporting auxiliary system connections (such as automatic water supply, etc.).

10. If the battery automatic water supply system is not equipped, check the liquid level of the electrolyte after the battery is charged. If the liquid level is lower than the allowable height (below the minimum of the liquid filling plug or the buoy is not floating at all), it shall be supplemented with distilled water that meets the standard or battery replenishment water produced by a regular manufacturer (the lowest point of the filling plug is 1-2cm upwards or the buoy floats), but any acid cannot be added.

11. Water shall be added after charge, and water addition before charge may possibly give rise to overflow of acidic liquid.

12. Connect the battery cable plug.

NOTE: The energy charger can adjust the charging curve according to the actual situation (new and old batteries, different brands of batteries). The method is to open the charger, find the three-gear switch on the internal circuit board of the charger. I-0-II can be chosen. The default is 0 shift. For the specific operation, refer to the Charger Manual.

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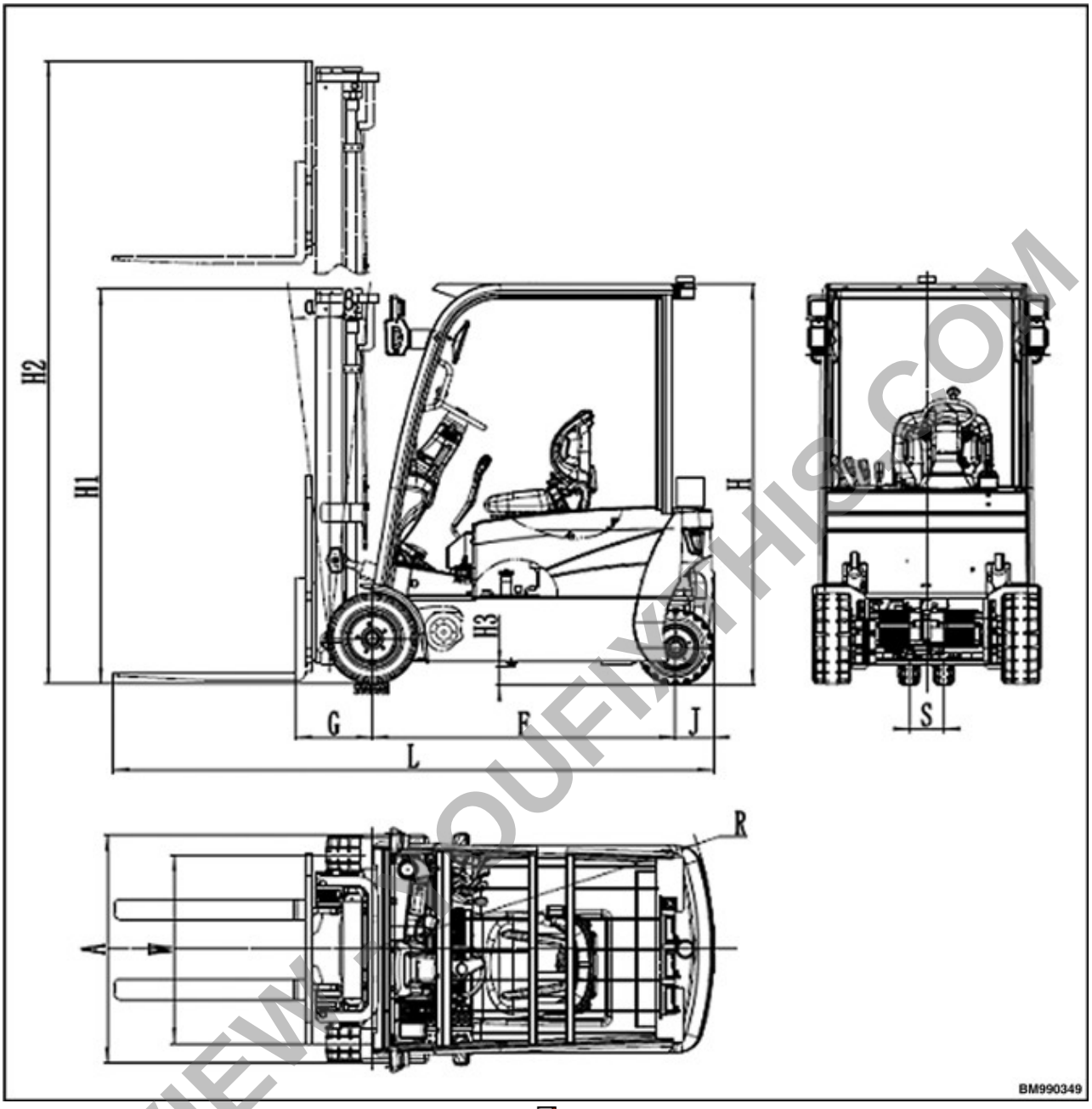


Figure 1. Forklift Truck Exterior

Model			**1**	**J30UTT**	**J35UTT**	**J40UTT**
Rated Capacity		kg	2	1600	1800	2000
Load Centre		mm	3	500		
Lifting Height		mm	4	3000		
Free Lifting Height		mm	5	0		
Fork Size	s x e x 1	mm	6	35 x 100 x 920		40 x 122 x 1070
Mast Tilting Angle	a°/β°	Deg	7	6.5/6.5		
Overall Dimensions	Length (to forkface)	mm	8	1930		2045
	Width A	mm	9	1085		1140
	Height when mast	mm	10	1975		

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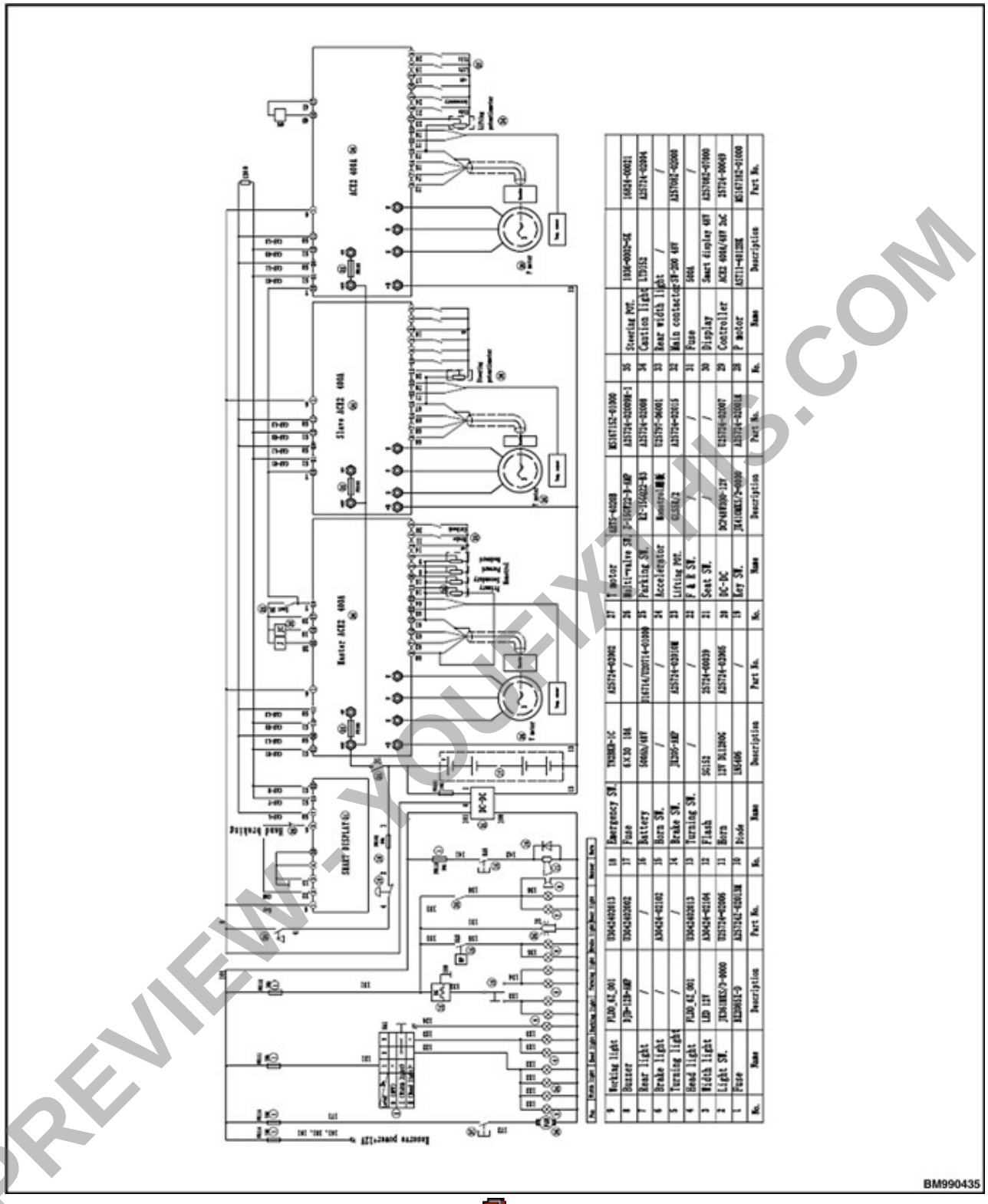


Figure 6. Electrical System Principle Diagram (Monotrol Pedal)

INSTRUMENTS

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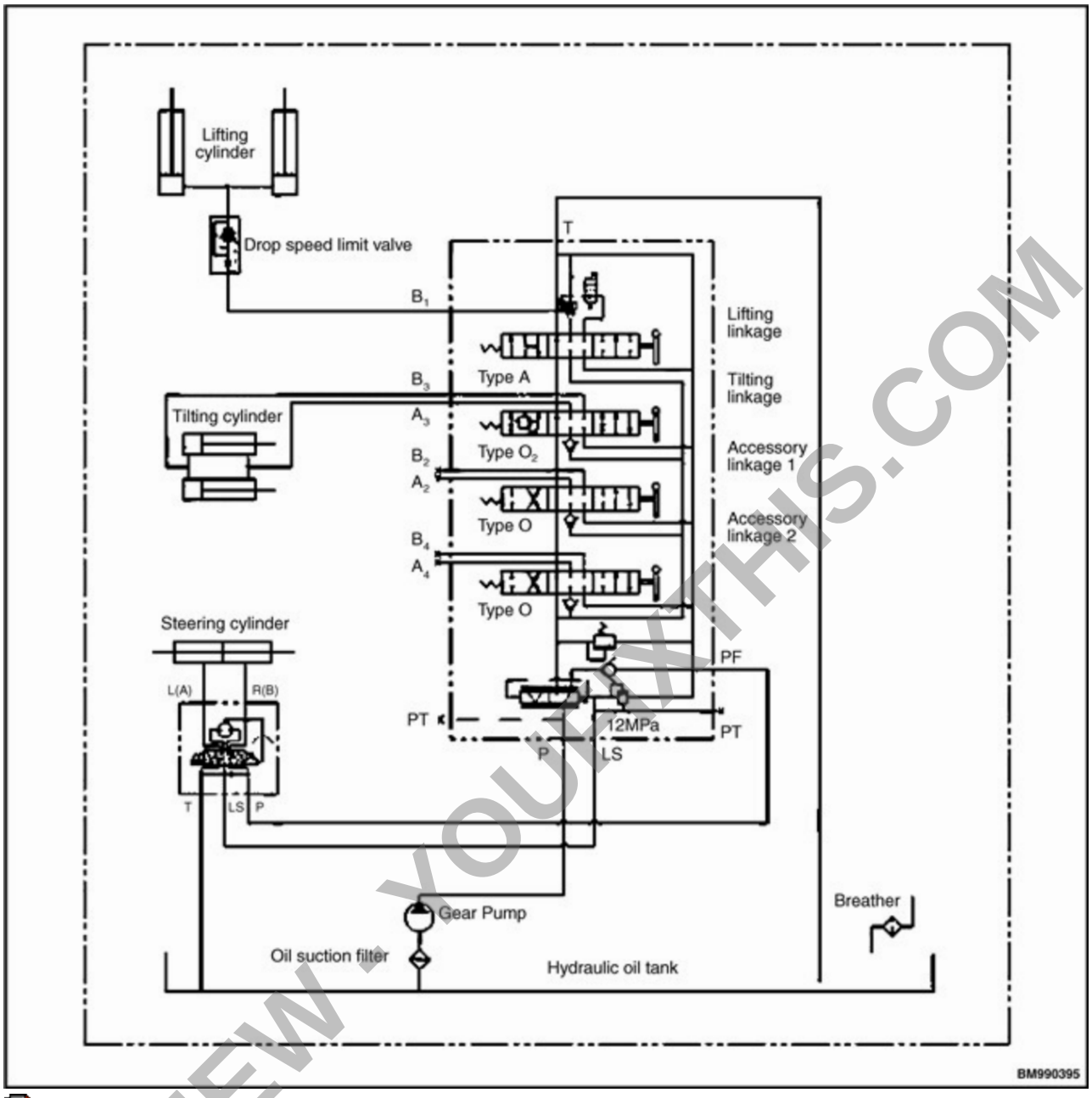


Figure 16. Hydraulic Schematic Drawing (Sheet 2 of 2)

GEAR PUMP

Gear pump is driven by lifting motor. The structure of gear pump is indicated as in Figure 17.

Maintenance of Gear Pump

Disassembly

1. Before disassembly, it shall be thoroughly cleaned. The demounted parts shall be put on clean paper or cloth. Take care not to contaminate or injure the parts.

a. Clamp the flange part of pump on the clamp bench.

b. Dismount the Connecting Bolt 11, Pump Cover 5, and Pump Housing 1.

c. Detach the Lining Plate 6, the Driving Gear 2, and the Driven Gear 3.

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