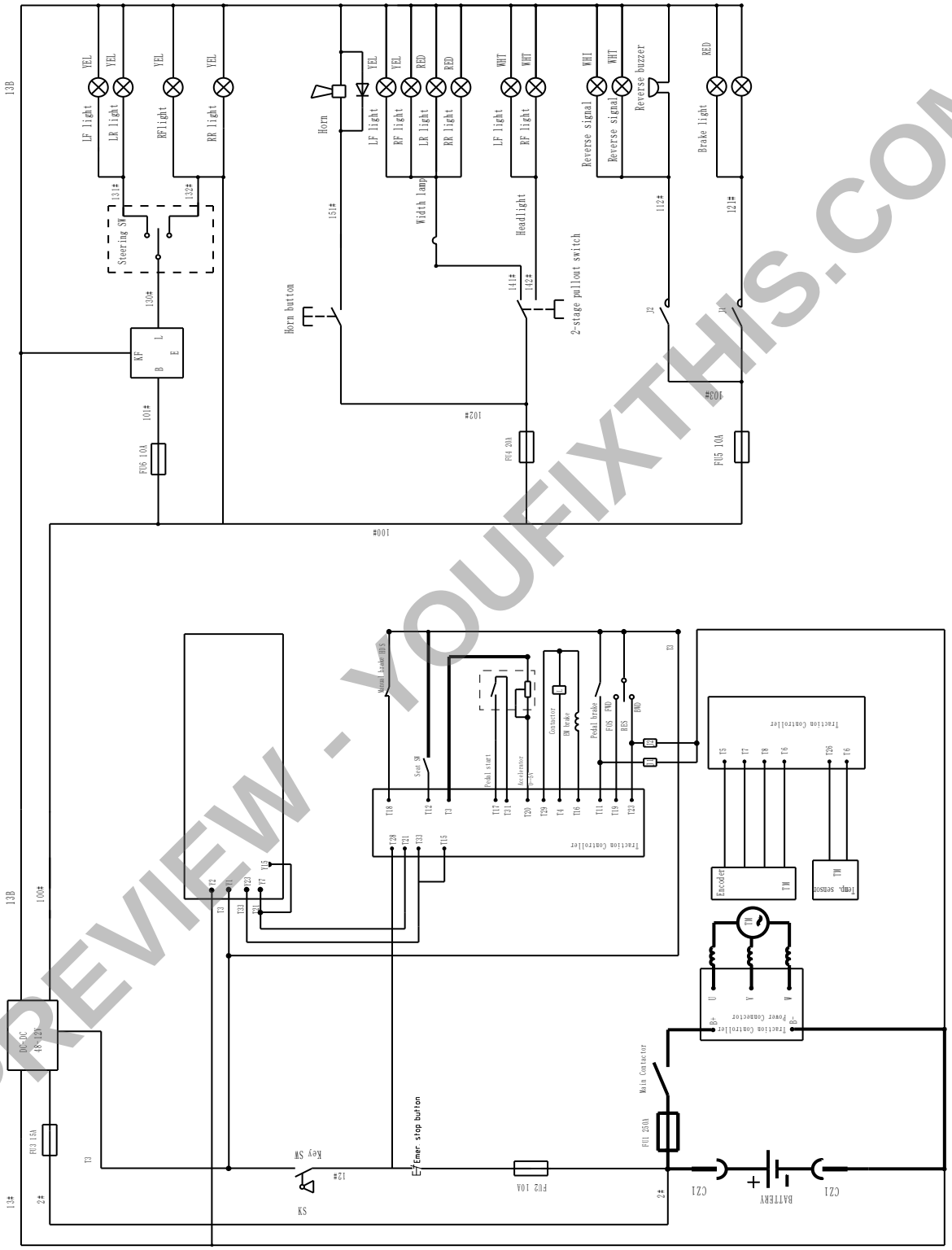
Electrical schematic



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Fault codes

Error code	Display test	Solution
20	ERROR Accelerator pedal switch activated at start	Release accelerator pedal
21	ERROR Direction switch active on start	Turn the direction switch to neutral
22	ERROR Front and rear direction switch activated at the same time	Direction switch failure
23	ERROR Accelerator pedal analog value out of range	Accelerator pedal fault or analog quantity needs to be recalibrated
24	ERROR Accelerator pedal analog fault	
31	ERROR Driver can communication failure	Please check that can line or controller and instrument are disconnected
32	ERROR Low battery voltage	Need to charge
34	ERROR Internal error of traction driver	
36	ERROR Tilt switch active on start	Reset tilt switch
37	ERROR Sideshift switch active on start	Reset sideshift switch
38	ERROR Appliance switch activated at start-up	Reset appliance switch
39	ERROR Lift switch active at start-up	Reset lift switch
41	ERROR Lifting analog value out of range	
42	ERROR Forward and backward analog value out of range	
43	ERROR Tilt back analog value out of range	
44	ERROR Left and right analog value out of range	
81	WARNING Low temperature of traction driver	
82	WARNING Over temperature of traction driver	
83	ERROR Traction driver temperature sensor error	
84	WARNING Low temperature of traction motor	
85	WARNING Over temperature of traction motor	
86	ERROR Traction motor temperature sensor error	
87	ERROR Traction motor speed sensor error	
88	WARNING High traction driver voltage	
89	WARNING Low traction driver voltage	Need to charge or check the power harness
91	WARNING Limited energy mode of traction driver	Low battery, vehicle speed limit
97	ERROR Traction driver output port error	Check output harness for short and open circuit
98	ERROR Traction motor driver short circuit	Check the power harness
101		
102	ERROR High temperature of traction driver	
103	ERROR High temperature of traction motor	
104	ERROR Traction driver overcurrent	
105	ERROR Traction drive precharge timeout	Replace precharge resistor
110	ERROR Low voltage of the traction driver voltage	
111	ERROR High voltage of the traction driver voltage	
114	ERROR Internal power supply failure of traction driver	Check the motor encoder and temperature sensor harness
121	WARNING Low Pump driver temperature	

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Troubleshooting

Mechanical breakdowns

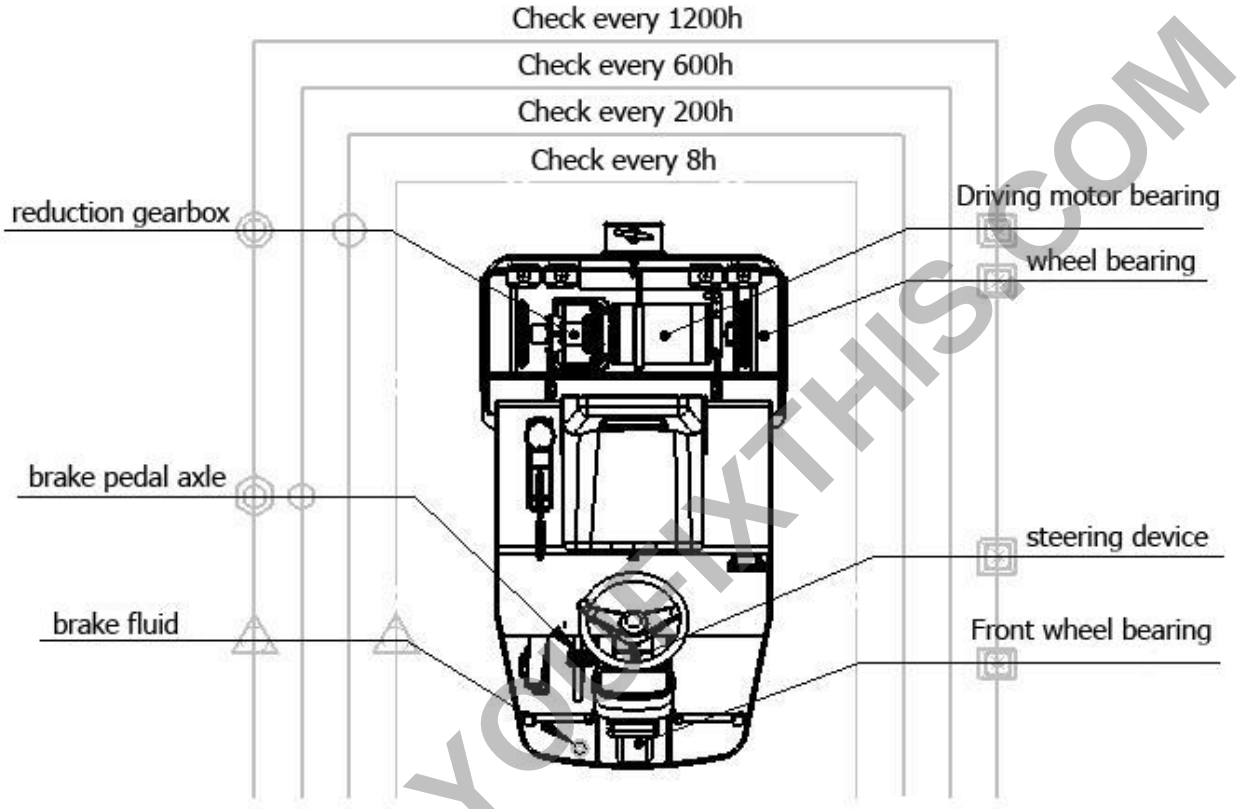
Fault	Possible cause	Possible repair
Improper braking	1. Leaking in brake system 2. Clearance between brake shoe is not well adjusted 3. Brake is overheated 4. Improper contact between brake drum and friction pad 5. Impurity on friction plate 6. Impurity in brake liquid 7. Micro adjust valve on brake pedal is not well adjusted	1. Repair 2. Adjust the adjuster 3. Check the return spring 4. Readjust 5. Repair or change 6. Check the brake liquid 7. Adjust
Noise in brake	1. Friction plate surface is hardened or has impurity 2. Base plate is deformed or screws are loosened 3. Brake shoe is deformed or is not mounted correctly 4. Friction plate is worn out 5. Wheel bearing is loosened	1. Repair or change 2. Repair or change 3. Repair or change 4. Change 5. Repair
Uneven brake	1. Oil stain on the friction plate surface 2. Clearance between brake shoe is not well adjusted 3. Branch pump doesn't work 4. Return spring on the brake shoe is damaged 5. Brake drum is slanting	1. Repair or change 2. Adjust the adjuster 3. Repair or change 4. Change 5. Repair or change
Improper brake	1. Oil leaking in brake system 2. Clearance between brake shoe is not well adjusted 3. Air in brake system 4. Brake pedal is not well adjusted	1. Repair or change 2. Adjust the adjuster 3. Release the air 4. Readjust

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Periodic inspection and maintenance

Maintenance points



Inspection and maintenance every day (8 hours)

Braking system	Check brake fluid level and fill if required.

Inspection and maintenance every month (200 hours)

Every month, in addition to the daily inspections, the following maintenance should be carried out. When the parts must be adjusted and replaced, please contact with maintenance personnel. Keep a monthly maintenance record.

Drive axle	Check gearbox oil level and fill if required.

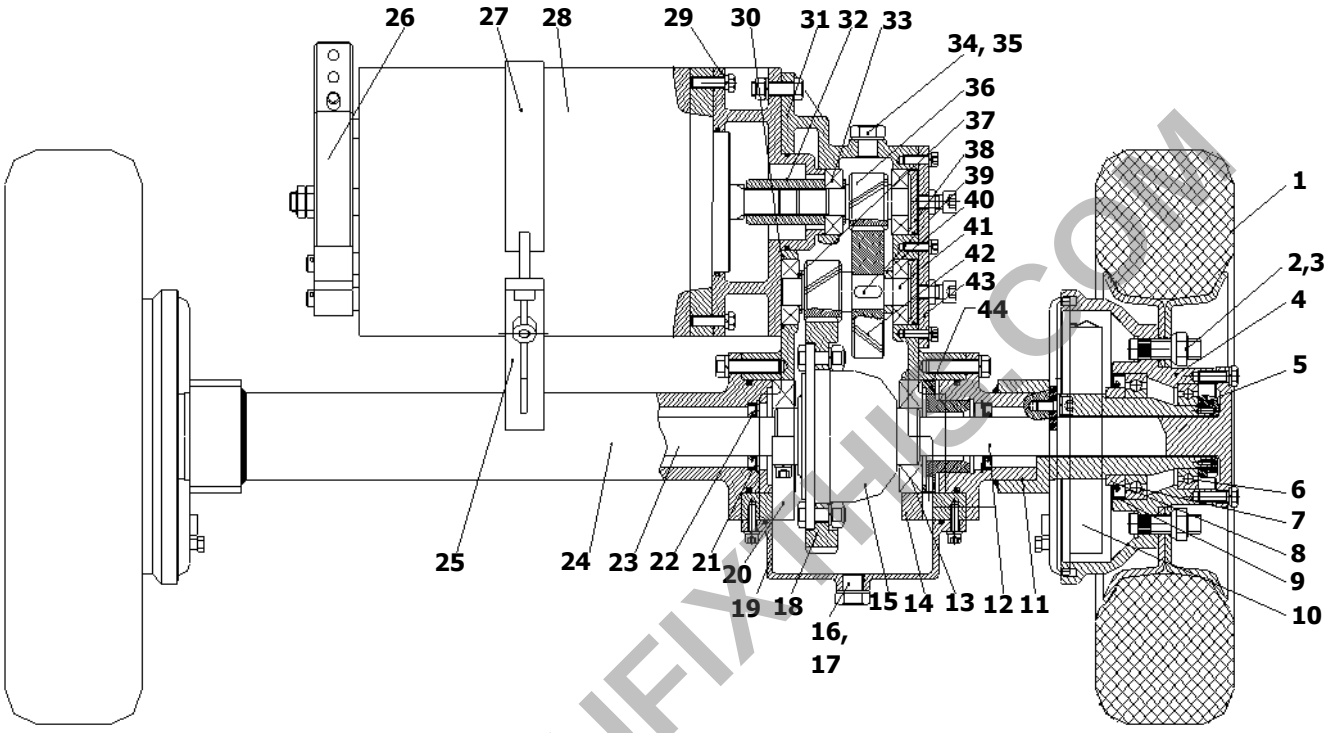
Inspection and maintenance every three months (600 hours)

Every three months, in addition to the monthly maintenance, the following maintenance should be carried out. When the parts must be adjusted and replaced, please contact with maintenance personnel.

Braking system	Check brake pedal axle oil and fill I required.

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Driving axle structure



1	Wheel	23	Major semi-axis
2	Wheel bolt	24	Shaft bush
3	Wheel nut	25	Motor bracket
4	Brake drum	26	Mechanical arrester
5	Nut	27	Motor hoop
6	Rolling bearing	28	Motor 3KW
7	Bearing 6011	29	Motor flange
8	Shaft sleeve	30	O-type ring 47x2.65
9	Framework oil seal FB70x90x10	31	Gear box housing
10	Arrester	32	Coupling band
11	Shaft tube	33	Bearing 6204
12	Minor semi-axis	34	Seal screw M10
13	Bearing 6208	35	Combined washer 10
14	Hoop 1	36	Gear 17
15	Differential 462	37	Washer 20x30x3
16	Seal screw M16	38	Bearing gland
17	Combined washer 16	39	Thin flat key 5x8x20
18	Gear 83	40	Washer 20x30x5.5
19	Oil tank cover	41	Gear 18
20	Hoop 2	42	Gear 46
21	Framework oil seal FB28x47x7	43	End cap
22	Circlip for hole	44	Nut sleeve

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