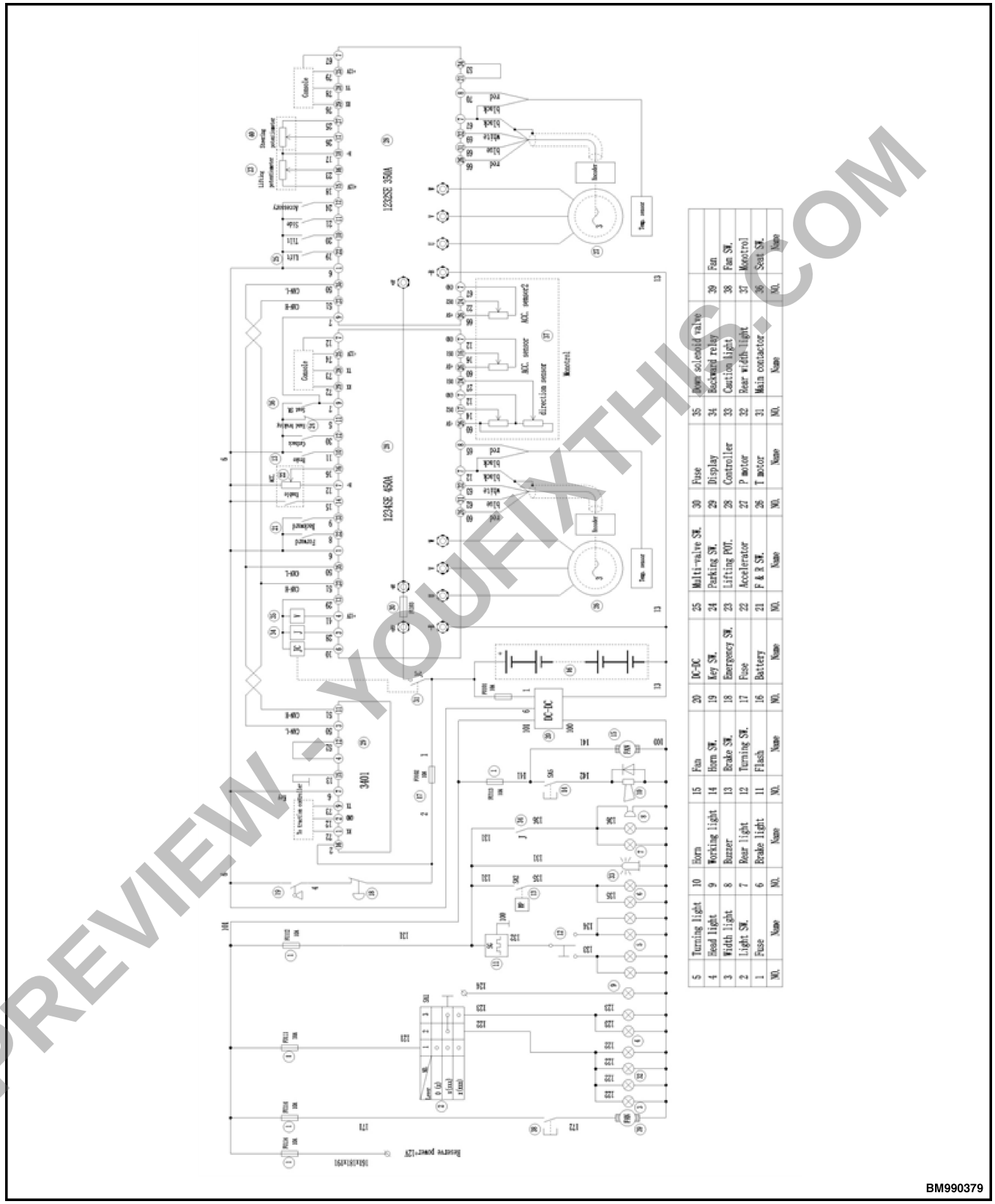


Figure 15. Electric System Schematic Diagram (Universal Purpose)

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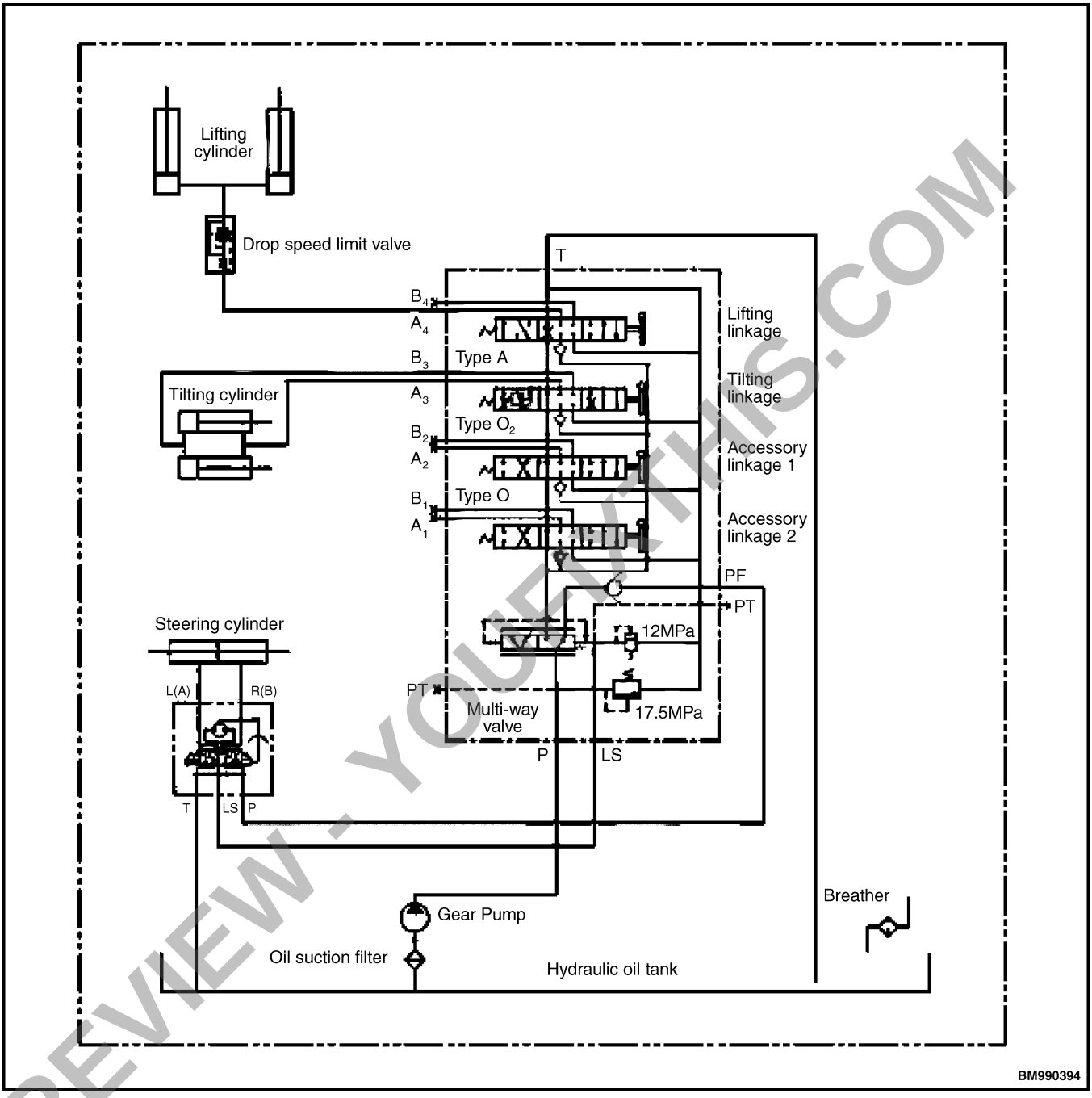


Figure 30. Hydraulic Schematic Drawing (Sheet 1 of 2)

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Table 6. Common Curtis Fault Codes (Continued)

Code	Fault Name	Description	Conditions for Fault Removal
18	Voltage is too high.	1. Battery parameter setting error. 2. Battery impedance is too high. 3. Battery connection is disconnected during regenerative braking.	Reason: Capacitor voltage exceeds maximum voltage limit when MOSFEET axle is operating. Troubleshooting: Decrease the voltage and then restart the key switch.
22	Controller temperature is too high, resulting in performance reduction.	1. Working environment of the controller is harsh. 2. Vehicle overload. 3. Controller is not installed correctly.	Reason: Heat dissipation temperature exceeds 85℃. Troubleshooting: Reduce the temperature.
23	Low voltage and performance reduction.	1. Low battery capacity. 2. Battery parameter setting is erroneous. 3. Power consumption of non-controller system. 4. Battery impedance is too large. 5. Battery connection is disconnected. 6. The fuse is disconnected, or the main contactor is disconnected.	Reason: Capacitor voltage is too low. Troubleshooting: Increase capacitor voltage.
24	Too high voltage and performance reduction.	1. Regenerative braking current during regenerative braking results to increase in battery voltage. 2. Battery parameter setting error. 3. Battery impedance is too large. 4. Battery connection is disconnected during regenerative braking.	Reason: Capacitor voltage exceeds maximum voltage limit when MOSFEET axle is operating. Troubleshooting: Reduce the capacitor voltage.
25	Failure of controller output 5V power.	1. External load impedance is too low.	Reason: 5V output has an error of more than ±10%. Troubleshooting: Adjust the output voltage to the normal range.
26	Device 6 output overcurrent.	1. External load impedance is too low.	Reason: Drive 6 output current exceeds 15mA. Troubleshooting: Adjust the load, then restart the driver with the VCL setting “set_digout”.

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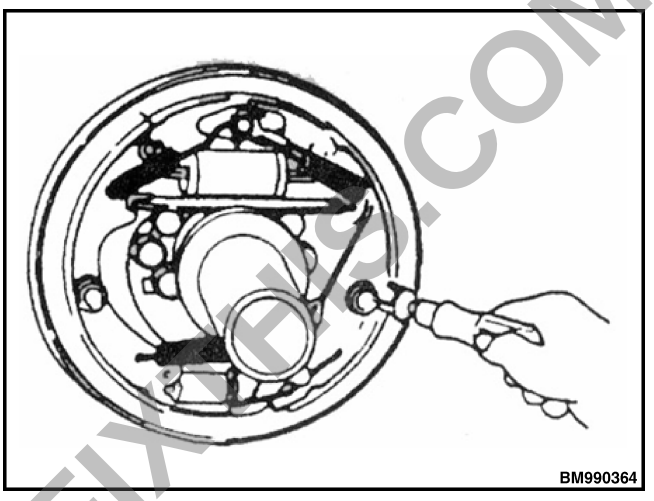
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Brake Disassembly and Assembly, Adjustment Essentials

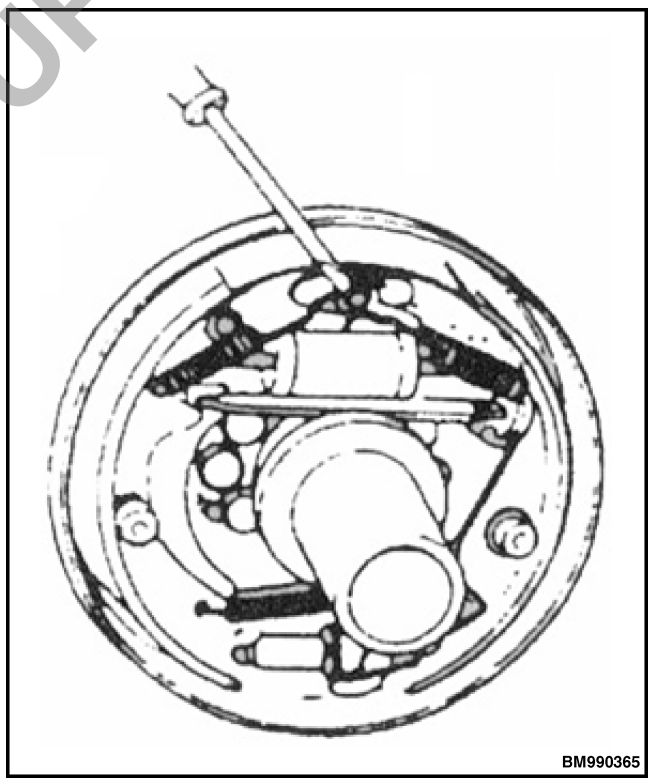
This section describes the disassembly, assembly, and adjustment of the brake pedal in the disassembled state of the wheel and wheel hub. Although the adjustment structure of other models is different, the maintenance methods are basically the same.

Disassembly of the Brake

STEP 1.
Remove the support pin, adjusting rod, adjustment device and spring on the driven shoe.



STEP 2.
Remove the shoe return spring.



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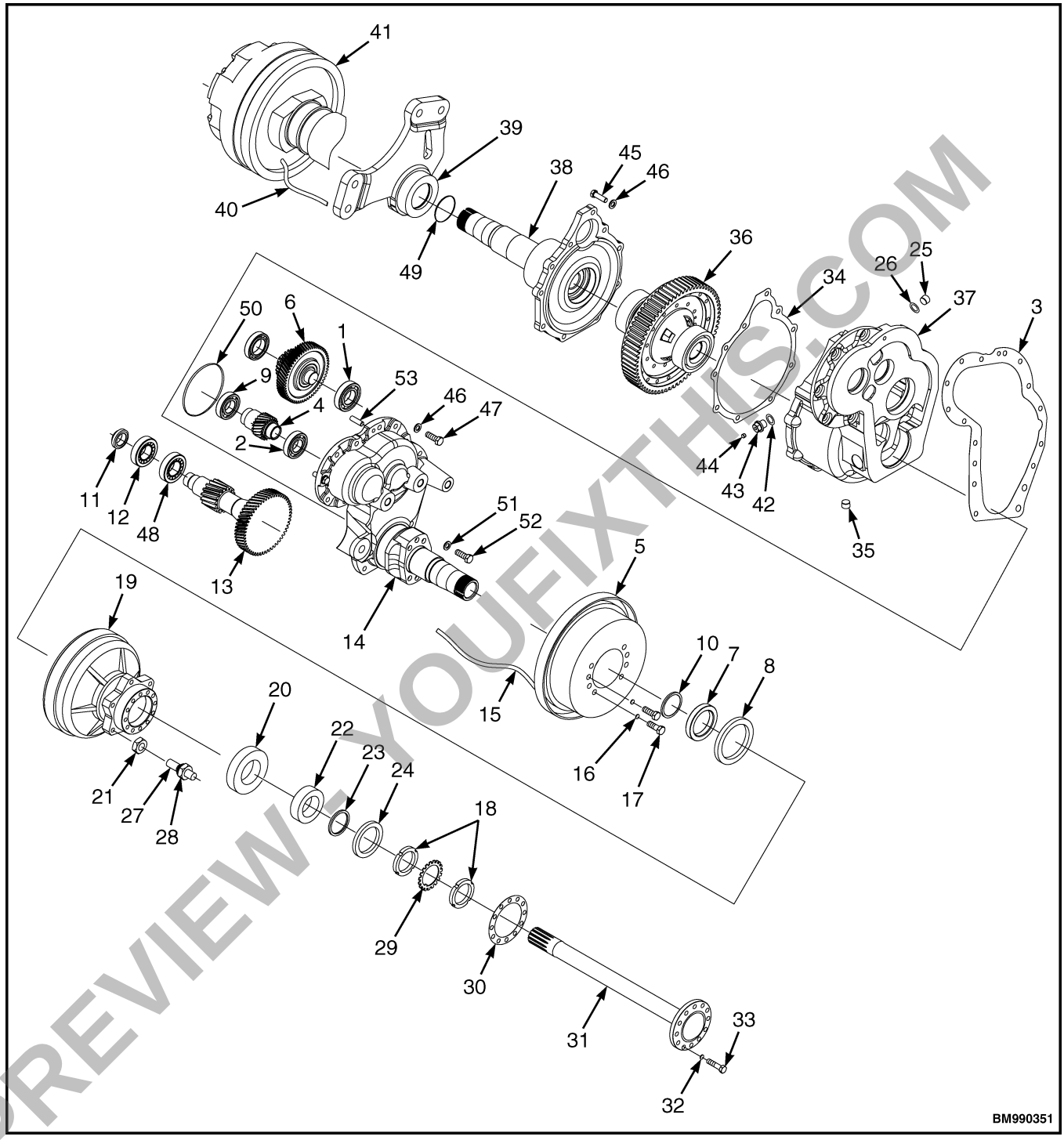
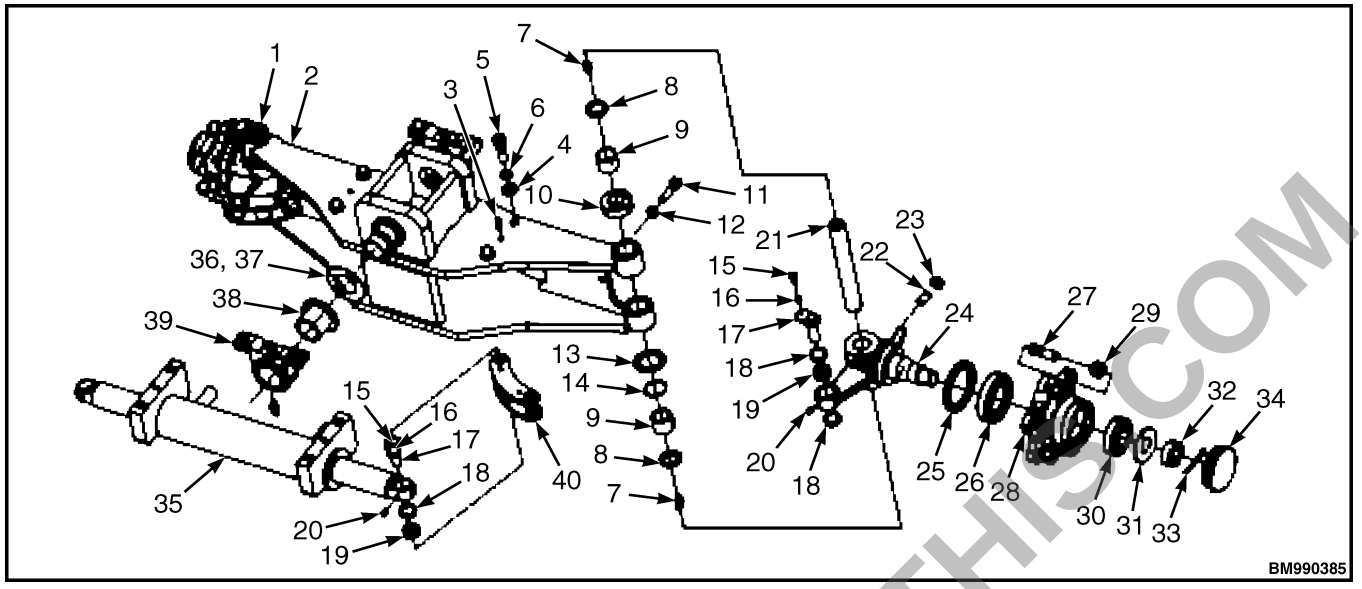


Figure 2. Axle Box (J1.5UT)

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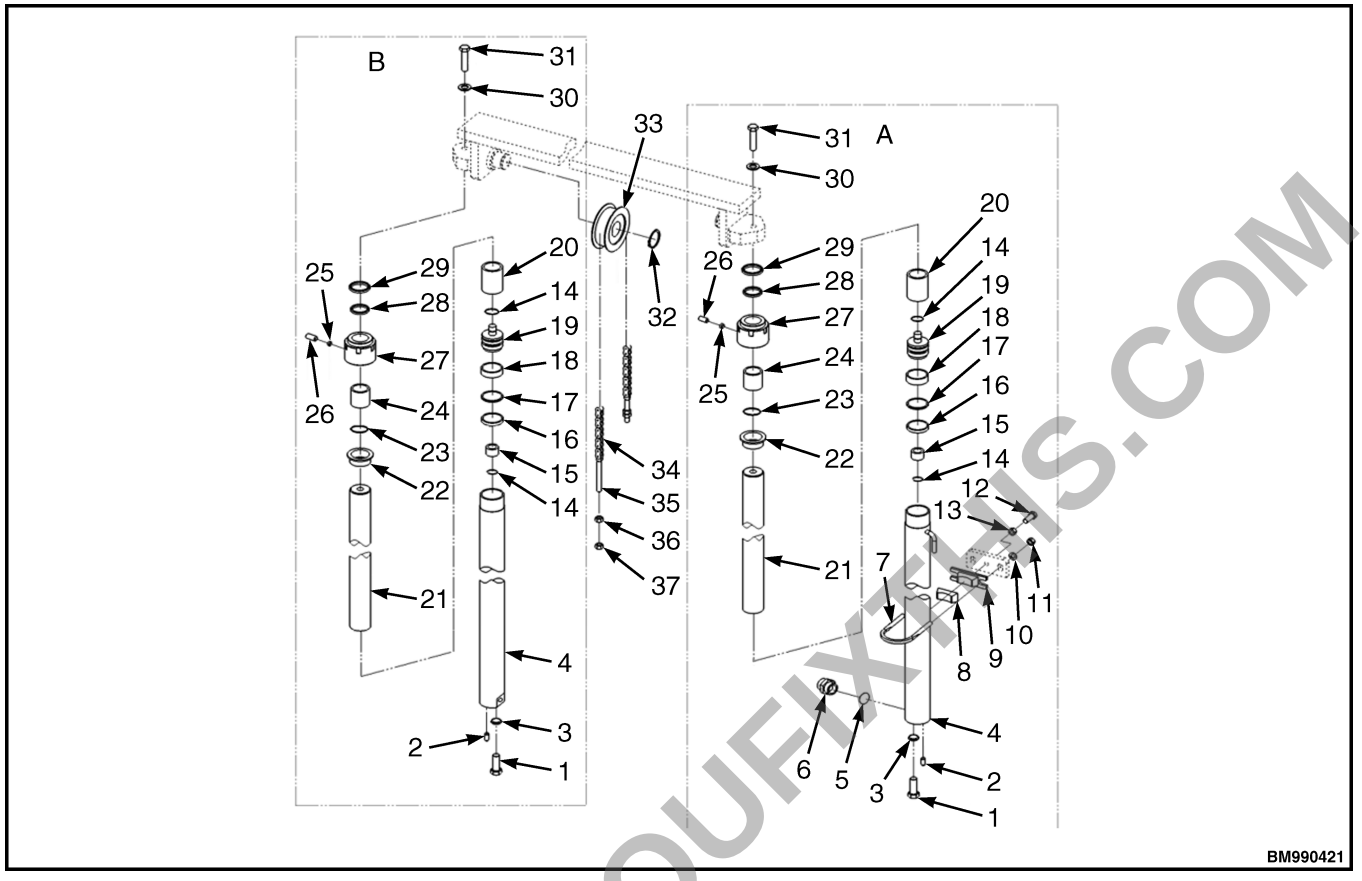


1. LEFT STEERING KNUCKLE ASSEMBLY
2. STEERING AXLE ASSEMBLY
3. CYLINDRICAL PIN Φ8 X 18
4. WASHER 12
5. BOLT M12 X 40
6. WASHER 12
7. 45° CURVED NECK GREASE NIPPLE Z1/8
8. OIL SEAL Φ25 X Φ32 X 7
9. BEARING Φ25 X Φ32 X 22
10. BEARING 198905
11. BOLT M10 X 1.25 X 40
12. NUT M10 X 1.25
13. ADJUSTING SHIM Φ26 X Φ46 X 0.2
14. O-RING 24.8 X 4.3
15. BOLT M6 X 12
16. WASHER 6
17. LINK PIN
18. LINING
19. BEARING GE15ES
20. STRAIGHT-THROUGH TYPE GREASE NIPPLE M6
21. MASTER PIN
22. SCREW M12 X 30
23. NUT M12
24. RIGHT STEERING KNUCKLE ASSEMBLY
25. OIL SEAL Φ64 X Φ82 X 7
26. BEARING 30208
27. WHEEL HUB BOLTS
28. WHEEL HUB
29. WHEEL HUB NUT
30. BEARING 30206
31. WASHER
32. SLOTTED NUT M24 X 2
33. COTTER PIN 5 X 40
34. WHEEL HUB COVER
35. STEERING CYLINDER ASSEMBLY
36. ADJUSTING SHIM Φ76 X Φ43 X 0.5
37. ADJUSTING SHIM Φ76 X Φ43 X 1
38. LINING
39. REAR AXLE SUPPORT
40. LINK

Figure 21. Steering Axle (J1.5UT)

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1. BOLT M12 X 1.25 X 25
2. CYLINDRICAL PIN B10 X 25
3. WASHER 12
4. CYLINDER BODY
5. O-RING 22 X 2.4
6. EXPLOSION RELIEF VALVE
7. HOOP
8. RUBBER SLEEVE
9. HOOP SEAT
10. WASHER 10
11. NUT M10 X 1.25
12. BOLT M12 X 1.25 X 30
13. NUT M12 X 1.25
14. ROUNDWIRE SNAP RING 24
15. VALVE SLEEVE
16. HOLE SEAL 45 X 35 X 6
17. RETAINER RING
18. HOLE SUPPORT RING
19. PISTON
20. SPACER SLEEVE Φ35 X 50
21. PISTON ROD
22. LINING
23. O-RING 49.7 X 3.5
24. STEEL-BACKED BEARING Φ35 X Φ39 X 30
25. NYLON CUSHION Φ6 X 3
26. SCREW M8 X 8
27. CYLINDER HEAD
28. SHAFT SEAL 35 X 45 X 6
29. DUST RING 35 X 45 X 5/6.5
30. WASHER 14
31. BOLT M14 X 1.5 X 35
32. RETAINER RING 40
33. SPROCKET WHEEL
34. CHAIN
35. COTTER PIN B3.2 X 30
36. SPHERICAL NUT M14 X 1.5
37. NUT M14 X 1.5

Figure 56. Lifting Cylinder (J1.5UT)

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Model			1	J1.5UT	J2.0UT	J2.5UT
Rated Capacity		kg	2	1500	2000	2500
Load Centre		mm	3	500	500	
Lifting Height H2		mm	4	3000	3000	
Free Lifting Height		mm	5	135	140	
Fork Size	s x e x l	mm	6	35 x 100 x 920	40 x 100 x 1070	40 x 120 x 1070
Mast Tilting Angle	F/B(a°/ß°)	Deg	7	5/10	5/10	
Overall Dimensions	Length (to forkface)	mm	8	2106	2302	2317
	Width B1	mm	9	1120	1266	
	Mast Height 1	mm	10	2000	2030	
	Height when mast extended H3	mm	11	4009	4017	
	Height to Safeguard H	mm	12	2155	2145	
Turning Radius	Min R	mm	13	1965	2065	2080
Front Overhang G		mm	14	410	454	
Tread	Front Q/ Rear S	mm	15/16	955/920	1058/960	
Ground Clearance	Unladen	mm	17	105	110	
Wheelbase F		mm	18	1380	1485	
Fork Spread	Min/Max	mm	19	250/930	250/1000	
Aisle width of stacking, with pallets (Ast)	800 x 1200 Horizontally	mm	20	3575	3719	3734
	1000 x 1200 Longitudinally	mm	21	3775	3919	3934
Speed	Travel (Laden)	km/h	22	15	15	
	Travel (Unladen)	km/h	23	16	16	
	Lifting (Laden)	mm/s	24	310	310	
	Lifting (Unladen)	mm/s	25	500	500	

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