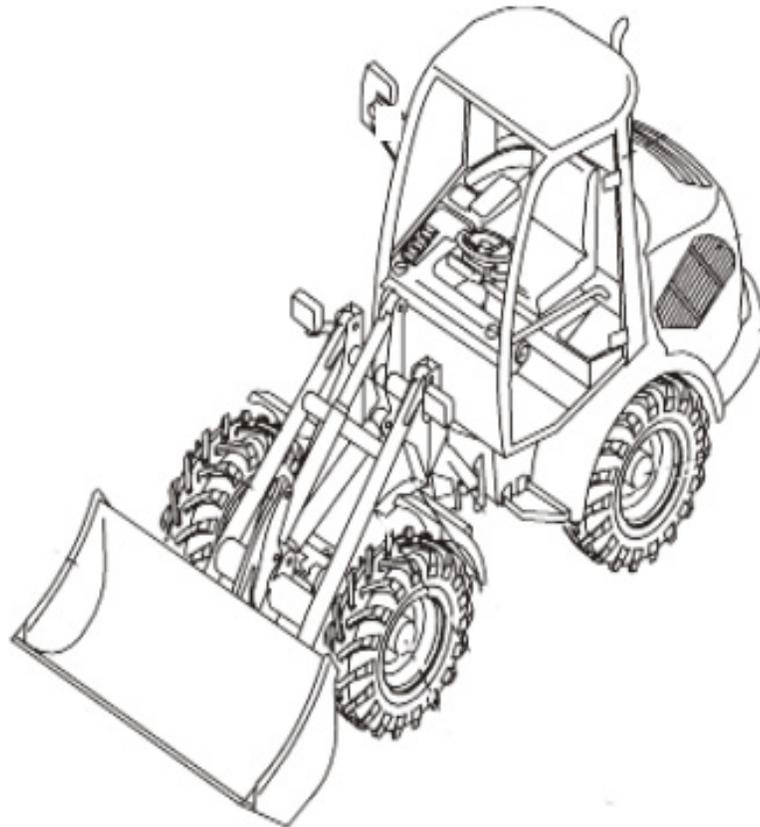


PARTS MANUAL

TW80

Serial No. E107240~

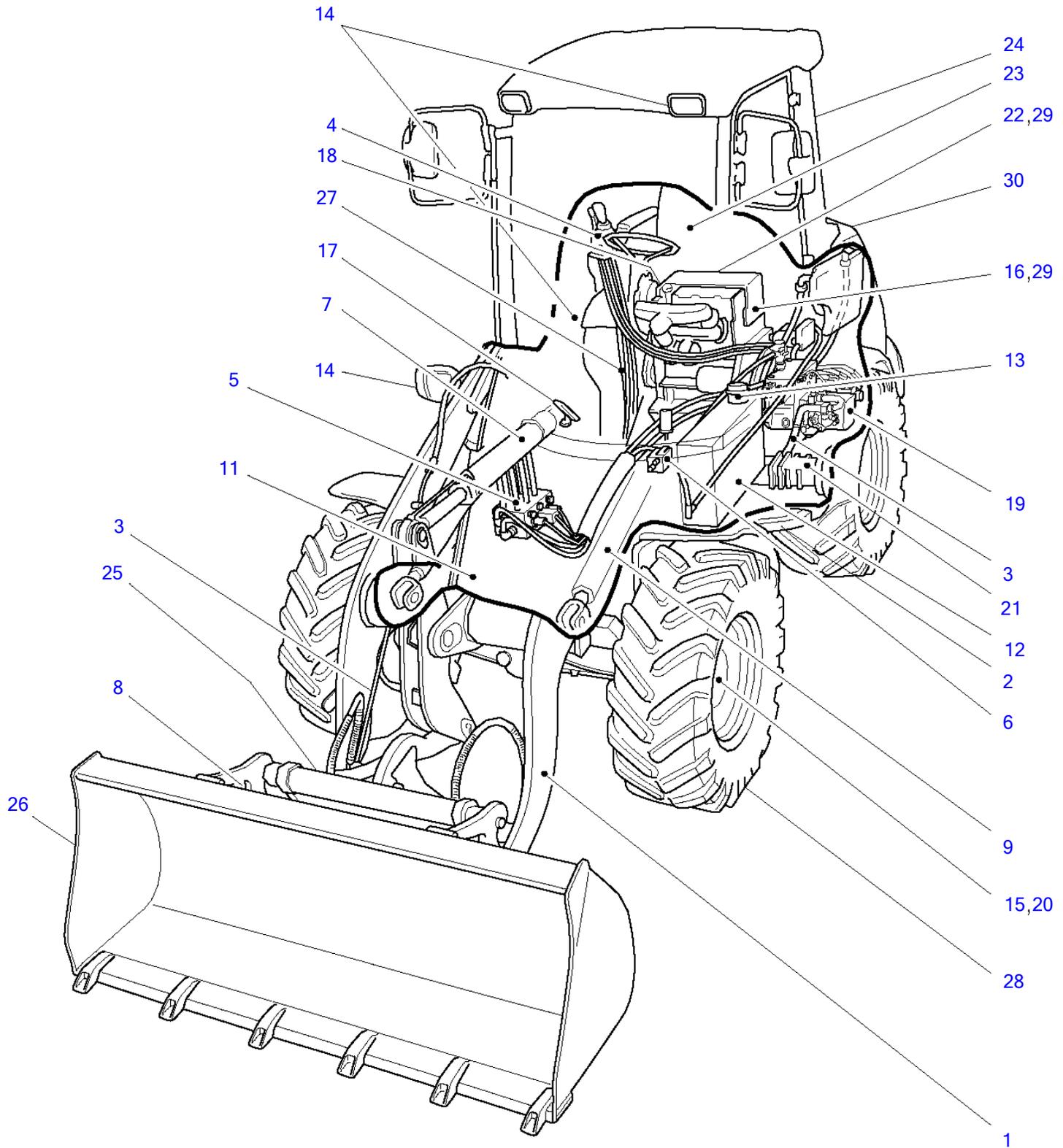
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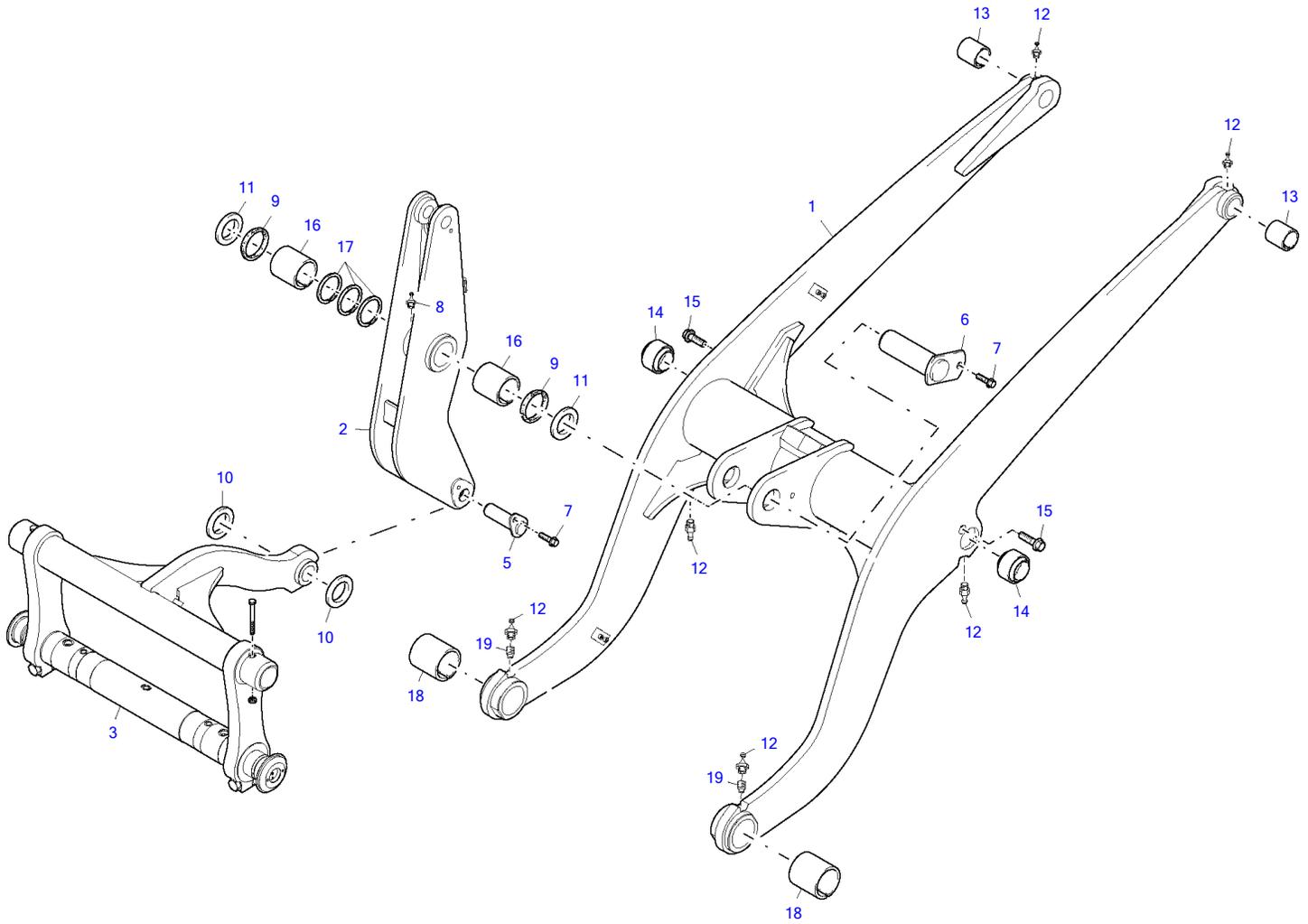
WHEEL LOADER

TAKEUCHI

Index

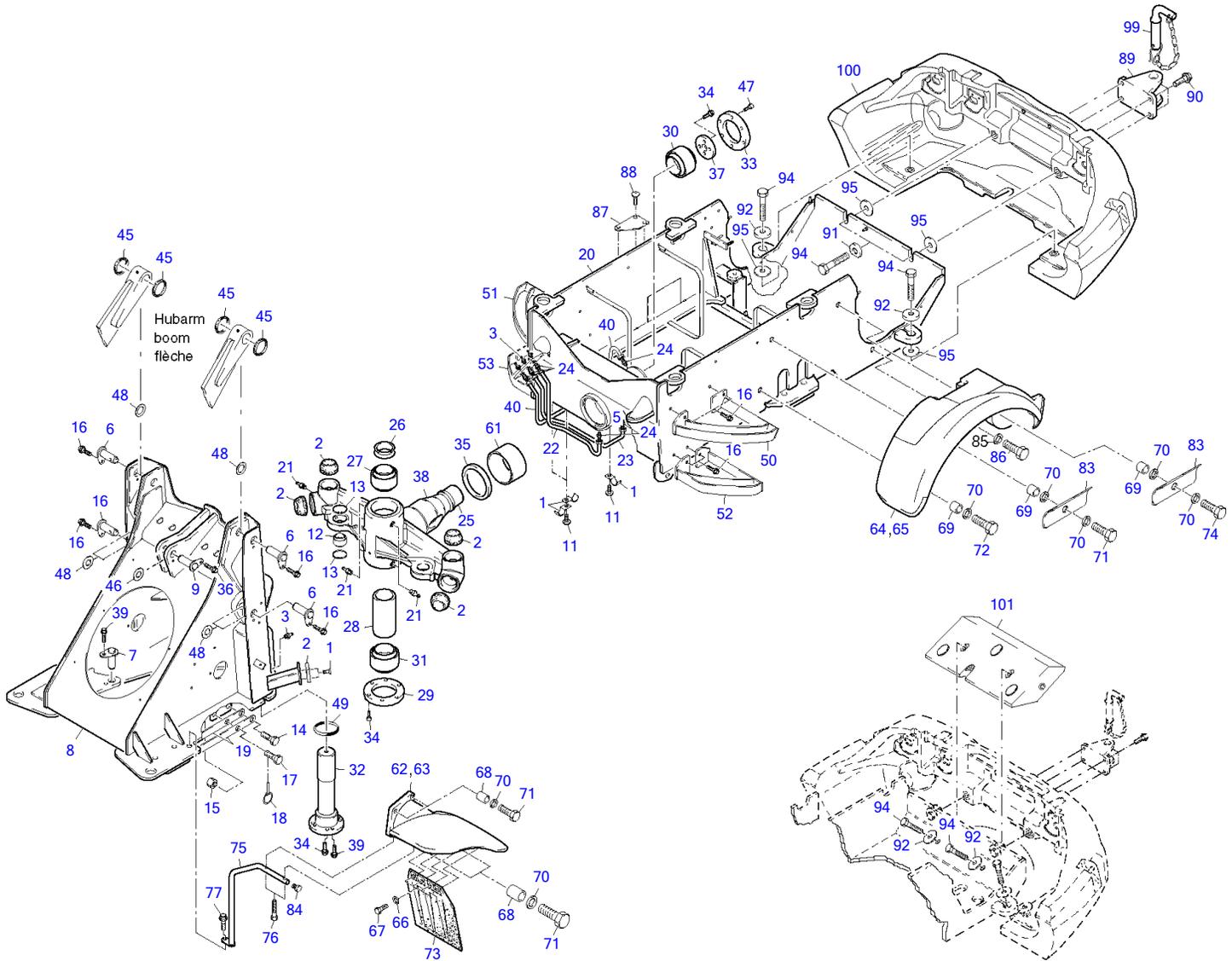


Item	Part number	Description	main	Q'ty	Chan.	Serial No.	Serv.	Remarks
1	8006820	Lifting System						
2	8006801	Base						
3	8006825	Steering Hydraulics						
	8007006	Working Hydraulics						
	8010081	Return Hydraulics						
	8017517	Driving Hydraulics						
	8018585	Hydraulic Lift System						
	8016623	Hydraulic Quick Release						
4	8018579	Servo Control Compl						
	8007923	Server Contr Bracket						
	8011331	Valve Compl						
5	8018506	Directional Valve						
6	8005560	Brake Throllte Valve						
7	8018297	Working Cylinder						
9	8018295	Lifting Cylinder						
11	3931751	Steering Cylinder						
12	8006825	Hydraulic Tank Compl						
13	8009636	Return Filter Compl						
14	8008690	Electric System						
	8008388	Electric System (Cabin)						
	8008597	Printed Circuit Compl						
	8009633	Working Headlights Compl						
15	8018547	Drive Set						
16	8006826	Diesel Engine Compl						
	8008274	Exhaust System						
17	8005490	Inching Actuator						
18	3944347	Air Filter System						
19	8017516	Oil Pressure Pump Compl						
	8016961	Oil Pressure Pump 12V						
	8016961	Oil Pressure Pump 12V sec 2						
	8016962	Oil Motor 12V						
20	8006764	Front Axle						
	8009258	Axle Pipe						
21	8006765	Rear Axle						
	8009546	Axle Pipe						
	8000892	Brake Disk						
	2902754	Rear Axle Multiple Disk Brake						
22	8008536	Fuel Supply System						
23	8008016	Driver's Seat						
	8008626	Seat Lower Part Compl						
24	8003354	Cabin						
	8003297	Cabin Door Left						
	8003340	Lining						
	8004889	Wiper System						
	3930421	Steering Column Compl						
25	8007008	Hyd Quick Release Eq						
26	3705791	Pallet Fork Compl						
27	8003053	Engine Heating						
28	8016611	Decals and Accessories						
	8016645	Protective Hoses						
30	8006828	Covering						
	8016810	Engine Hood Compl						
	8008759	Exterior Covering						
99	8018988	Maintenance Filter Kits						



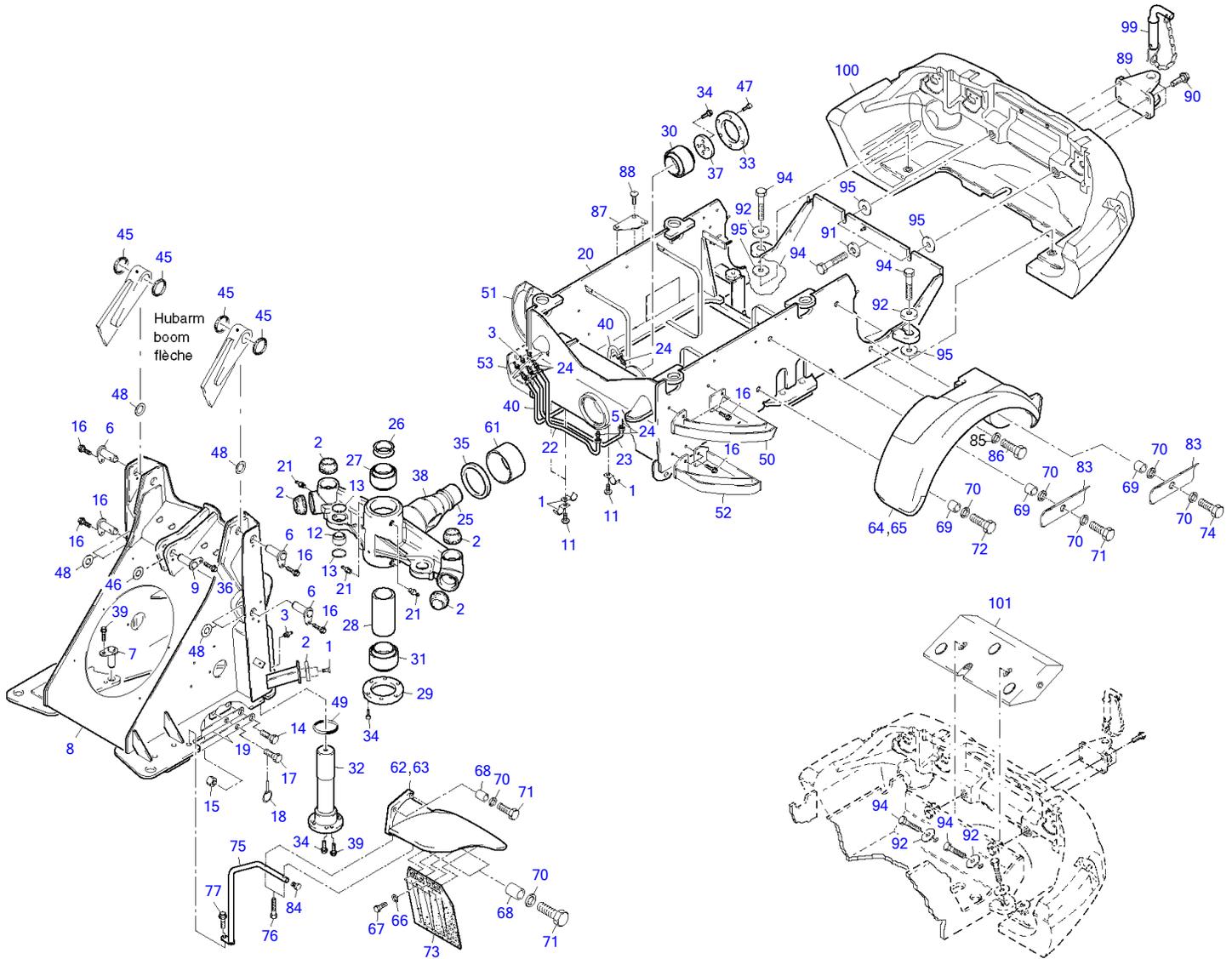
Item	Part number	Description	Lifting System			Remarks
			Q'ty	Chan.	Serial No.	
	8006820	Lifting System				
1	8006381	Boom Compl	1			
2	8007002	Shift Lever Compl	1			
3	8007008	Hyd Quick Release Eq	1			
5	2911255	Pin Compl	1			
6	3933753	Pin Compl	1			
7	1782905	Serrated Hex Head Screw	1			
8	0300569	Grease Nipple	1			
9	0809472	Wiper Seal	2			
10	8004668	Disk 1.0 MM	1			
	8004669	Disk 1.2 MM	1			
	8004670	Disk 1.5 MM	1			
	8004671	Disk 2.0 MM	1			
11	2909079	Disk 1.0 MM	1			
	2909091	Disk 1.2 MM	1			
	2909104	Disk 1.5 MM	1			
	2909080	Disk 2.0 MM	1			
12	0324590	Grease Nipple	6			
13	8004387	Split Bush	2			
14	2915806	Spherical Bearing	2			
15	2916794	Self-Locking Bolt	2			
16	0306689	Split Bush	2			
17	2961437	Circlip	3			
18	8004389	Split Bush	2			
19	2985537	Threaded Pin	2			

Base



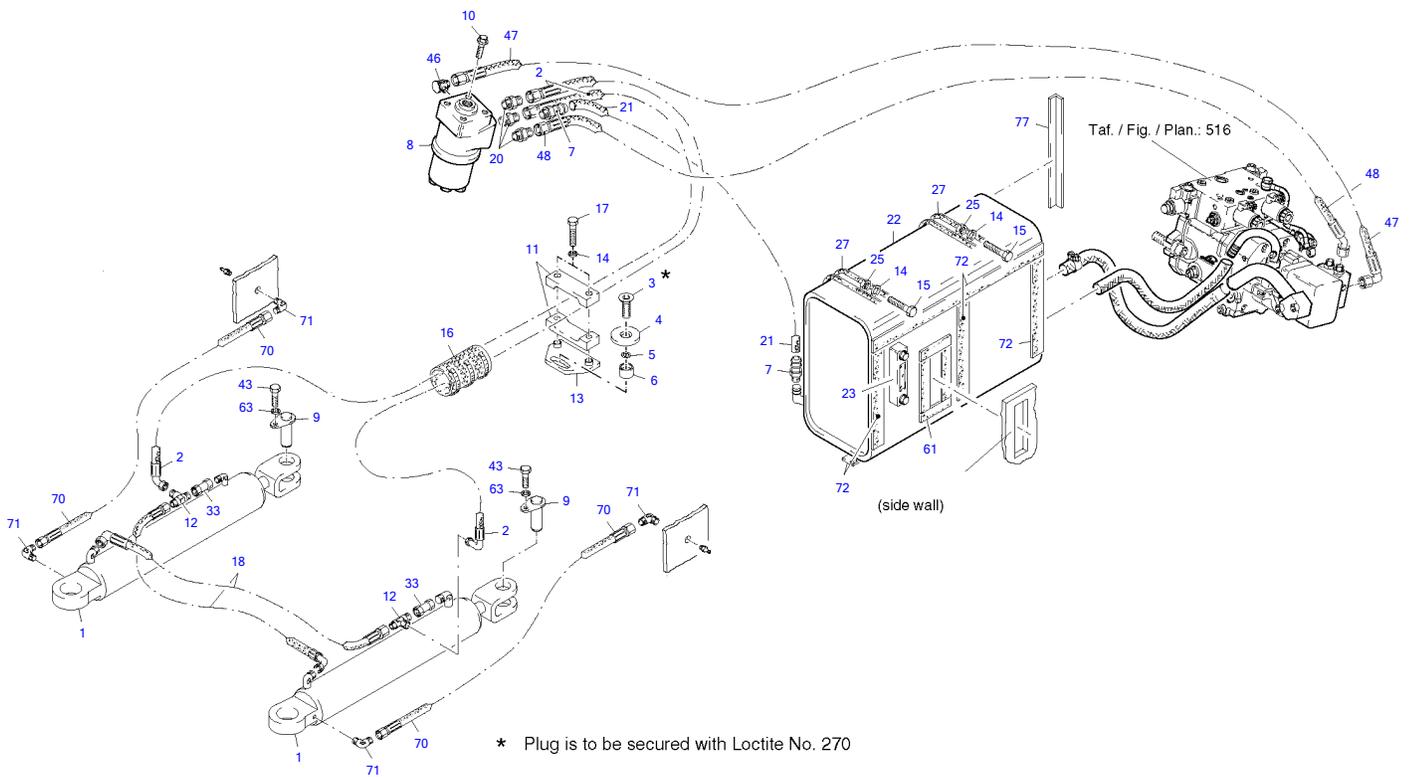
Item	Part number	Description	Base Qty	Chan.	Serial No.	Serv.	Remarks
	8006801	Base	1				
1	1025249	Clamp	4				
2	3928869	Stop Buffer	4				
3	0324590	Grease Nipple	1				
6	3740921	Pin Compl	4				
7	3945177	Pin Compl	2				
8	8019914	Frame Front	1				
9	3933720	Pin Compl	1				
11	1039369	Oval Head Screw	3				
12	0447032	Spherical Bearing	2				
13	0318069	Circlip Tone 400	4				
14	1308876	Hex Head Screw A3C	1				
15	0327322	Nut A3C	1				
16	1783337	Serrated Hex Head Screw	12				
17	1014053	Special Screw	1				
18	1011163	Split Pin	1				
19	8004060	Safety Rod	2				
20	8019917	Frame Rear	1				
21	0300569	Grease Nipple	6				
22	3927960	Conduit	1				
23	3927971	Conduit	1				
24	2658564	Screw Connection A3C	6				
25	8006549	Artic Pend Joint	1				
26	0884177	V-Ring	1				
27	2919399	Spherical Bearing	1				
28	2452566	Spacer	1				
29	2452577	Disk	2				
30	2908614	Spherical Bearing	1				
31	2478168	Spherical Bearing	1				
32	3931068	Pin	1				
33	1009716	Disk	1				
34	0884166	Self-Locking Bolt	18				
35	1009705	Distance Ring	1				
36	1782905	Serrated Hex Head Screw	1				
37	1009727	Disk	1				
38	8006800	Artic Pend Joint Comp	1				
39	3762610	Self-Locking Bolt	8				
40	3954065	Conduit	1				
45	8002032	Wiper Seal	4				
46	8004668	Disk 1.0 MM	1				
	8004669	Disk 1.2 MM	1				
	8004670	Disk 1.5 MM	1				
	8004671	Disk 2.0 MM	1				
47	0336185	Self-Locking Bolt	6				
48	8003214	Disk 1.0 MM	1				
	8003215	Disk 1.2 MM	1				
	8003216	Disk 1.5 MM	1				
	8003217	Disk 2.0 MM	1				
49	2916363	O-Ring	1				
50	8005065	Left Climb Bracket	1				
51	8005067	Right Climb Bracket	1				
52	3953893	Left Climb Bracket	1				
53	3953906	Right Climb Bracket	1				
61	2444293	Bush	1				
62	3927620	Left Front Fender	1				
63	3927631	Right Front Fender	1				
64	3927642	Left Rear Fender	1				
65	3927653	Right Rear Fender	1				
66	0447985	Washer A3C	8				
67	8016036	Hex Head Screw A3C	8				
68	3930772	Spacer	8				
69	3930783	Spacer	8				
70	1620160	Washer A3C	8				
71	3930943	Hex Head Screw A3C	10				
72	3930954	Hex Head Screw A3C	2				
73	3955317	Mud Flap Ripp	2				
74	8009218	Hex Head Screw A3C	2				
75	3934298	Holder	2				

Base



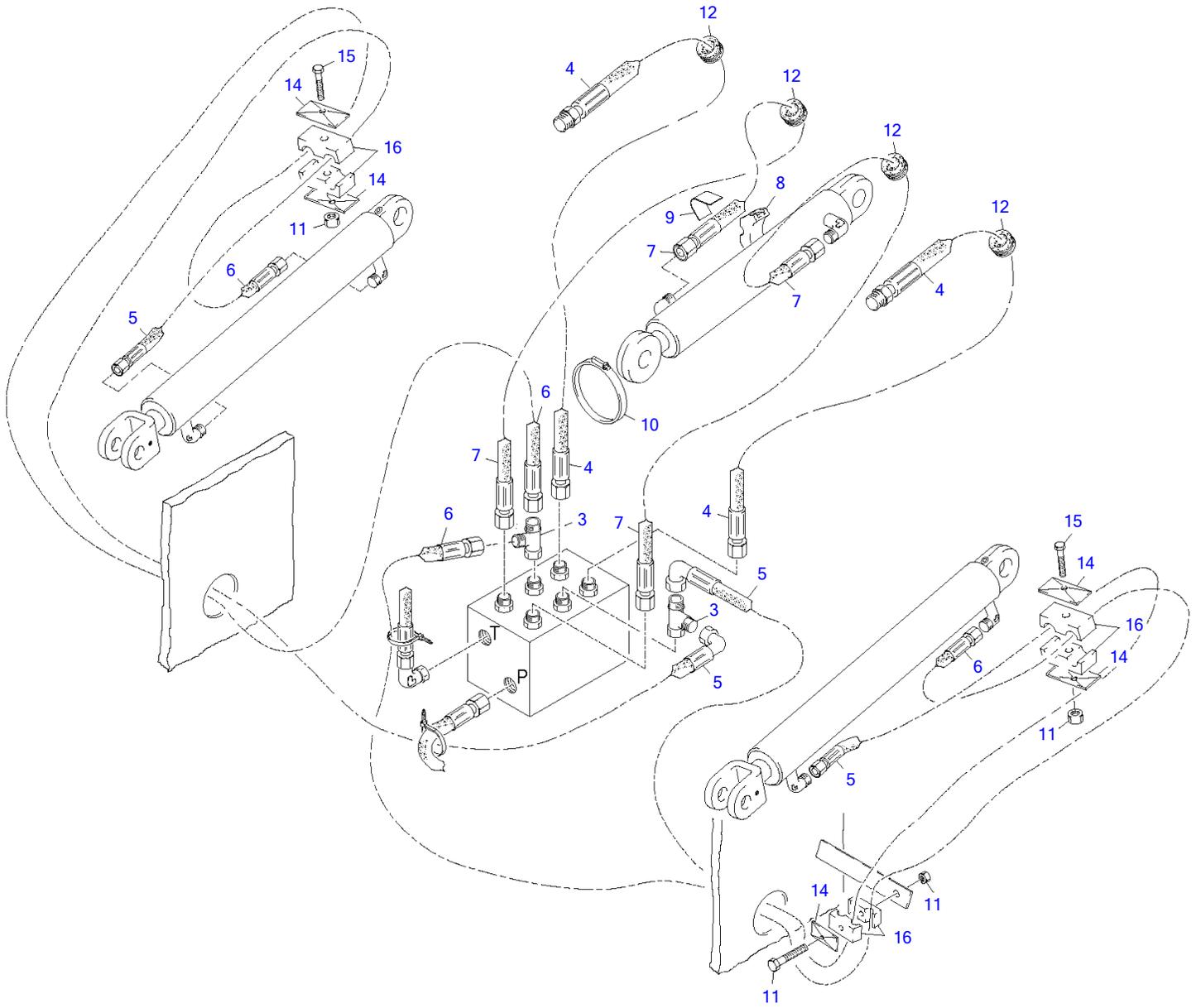
Item	Part number	Description	Base Q'ty	Chan.	Serial No.	Serv.	Remarks
76	3934390	Bolt A3B	4				
77	2916794	Self-Locking Bolt	2				
83	3936450	Cover Plate	4				
84	3938805	Holder	2				
85	1356294	Washer A3C	2				
86	1398589	Hex Head Screw A3C	2				
87	8008792	Plate	1				
88	3934378	Lens Head Screw A3R	3				
89	3944949	Coupling Device	1				
90	2993151	Serrated Hex Head Screw	4				
91	1005438	Washer A3C	2				
92	1781813	Washer A3C	2				
	1781813	Washer A3C	4				
94	1618393	Hex Head Screw A3C	4				
	1618393	Hex Head Screw A3C	6				
95	1781802	Washer A3C 4.0 MM	4				
	3930885	Washer A3C 2.0 MM	1				
	3930896	Washer A3C 3.0 MM	1				
	3930909	Washer A3C 5.0 MM	1				
99	3944574	Linchpin	1				
100	8016070	Counter Weight	1				
101	8016071	Counter Weight	1				

TW80 Book No. 8020870 01.10 S/N E107240
Steering Hydraulics



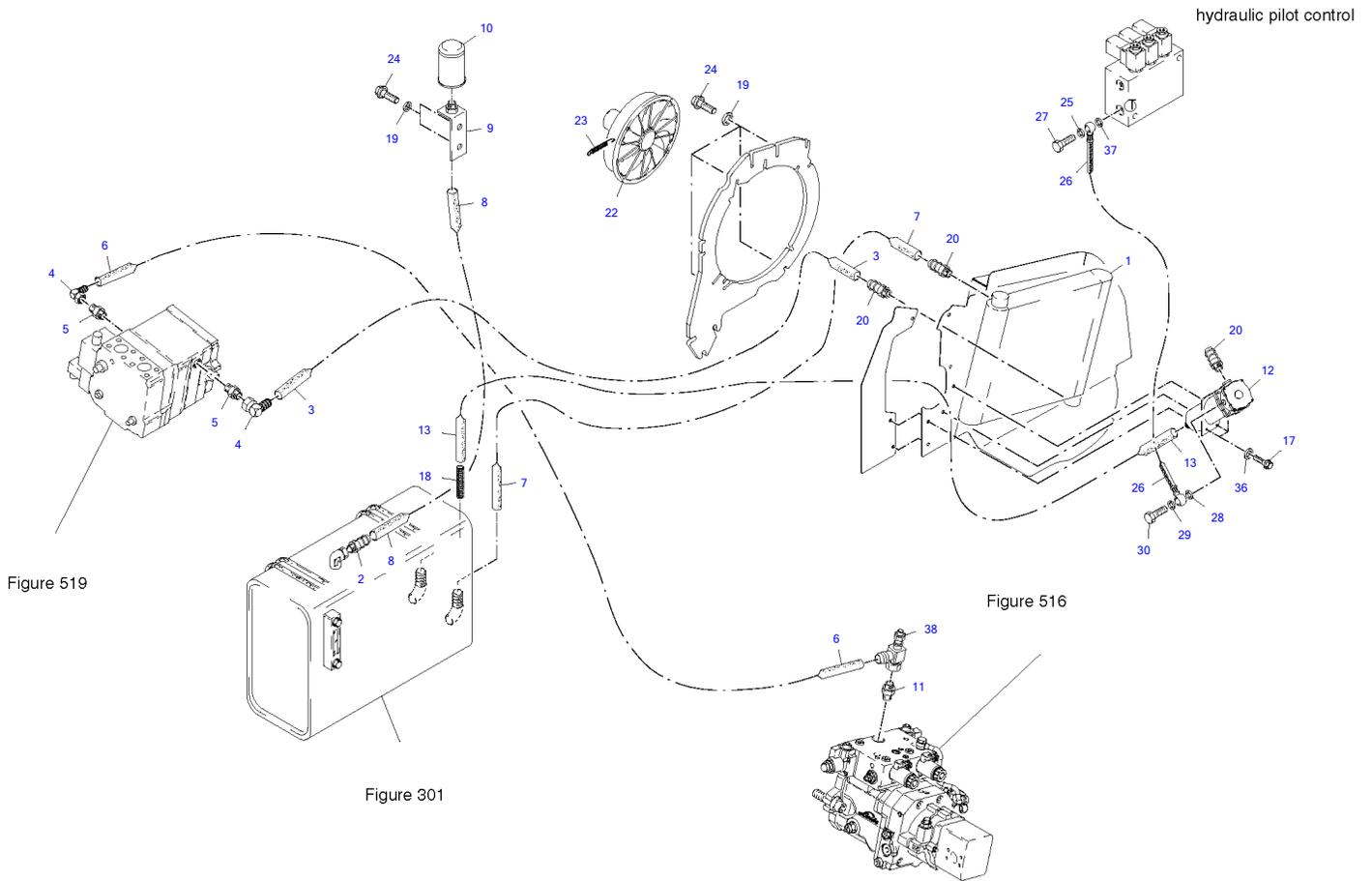
Steering Hydraulics

Item	Part number	Description	Q'ty	Chan.	Serial No.	Serv.	Remarks
	8006825	Steering Hydraulics					
1	3931751	Steering Ram	2				
2	3947680	HP-Hose 13 x 1550	2				
3	1002184	Countersunk Screw	1				
4	1745591	Washer	1				
5	1388656	Spring Washer A3C	1				
6	0323624	Split Bush	1				
7	8006878	Coupling A3C	2				
8	8008873	Steering Valve	1				
9	3945177	Pin Compl	2				
10	2990216	Self-Locking Bolt	4				
11	3760607	Block	2				
12	2904789	Coupling A3C	2				
13	2908147	Console Compl	1				
14	2481254	Ripp Washer A3C	2				
15	0410073	Hex Head Screw A3C	2				
16	3937075	Rubber Mat	1				
17	0893418	Hex Head Screw A3C	2				
18	3742956	HP-Hose 10 X 500	2				
20	2481696	Coupling A3C	3				
21	8006759	LP-Hose 700 MM	1				
22	8009294	Hydraulic Tank Compl	1				
23	3925322	Sight Glass	1				
25	0399760	Nut A3C	2				
27	0909224	Profile Rubber 680 MM	1				
33	3742978	Double Nipple	2				
34	3925300	Suction Hose 38 x 525	1				
35	3737879	Clip	2				
36	1896571	LP-Hose 480 MM	1				
37	8008624	Compression Spring Cord	1				
43	1307104	Hex Head Screw A3C	2				
46	2456833	Coupling A3C	1				
47	3750412	HP-Hose 8 X 220	1				
48	3951175	HP-Hose 13 X 2000	1				
61	0909304	Profile Rubber 600 MM	1				
63	2481243	Ripp Washer A3C	2				
70	3747519	Hose Line 4 X 500	2				
71	1661841	Coupling A3C	4				
72	0909304	Profile Rubber 2900 MM	1				
77	0935113	Profile Rubber 300 MM	1				



Working Hydraulics

Item	Part number	Description	Q'ty	Chan.	Serial No.	Serv.	Remarks
	8007006	Working Hydraulics					
3	3761379	Coupling A3C	2				
4	8008471	HP-Hose 13 X 1600	2				
5	3762541	HP-Hose 10 X 1750	2				
6	2912052	HP-Hose 10 X 1550	2				
7	3947679	HP-Hose 13 X 1600	2				
8	3924730	Clip	1				
9	8004184	Clamp Strap	1				
10	1373604	Clip	1				
11	0399760	Hex Nut A3C	4				
12	3763484	Rubber Socket	4				
14	0874960	Cover Plate	6				
15	1336869	Hex Head Screw A3C	4				
	2912085	2-Piece Clip Body	4				

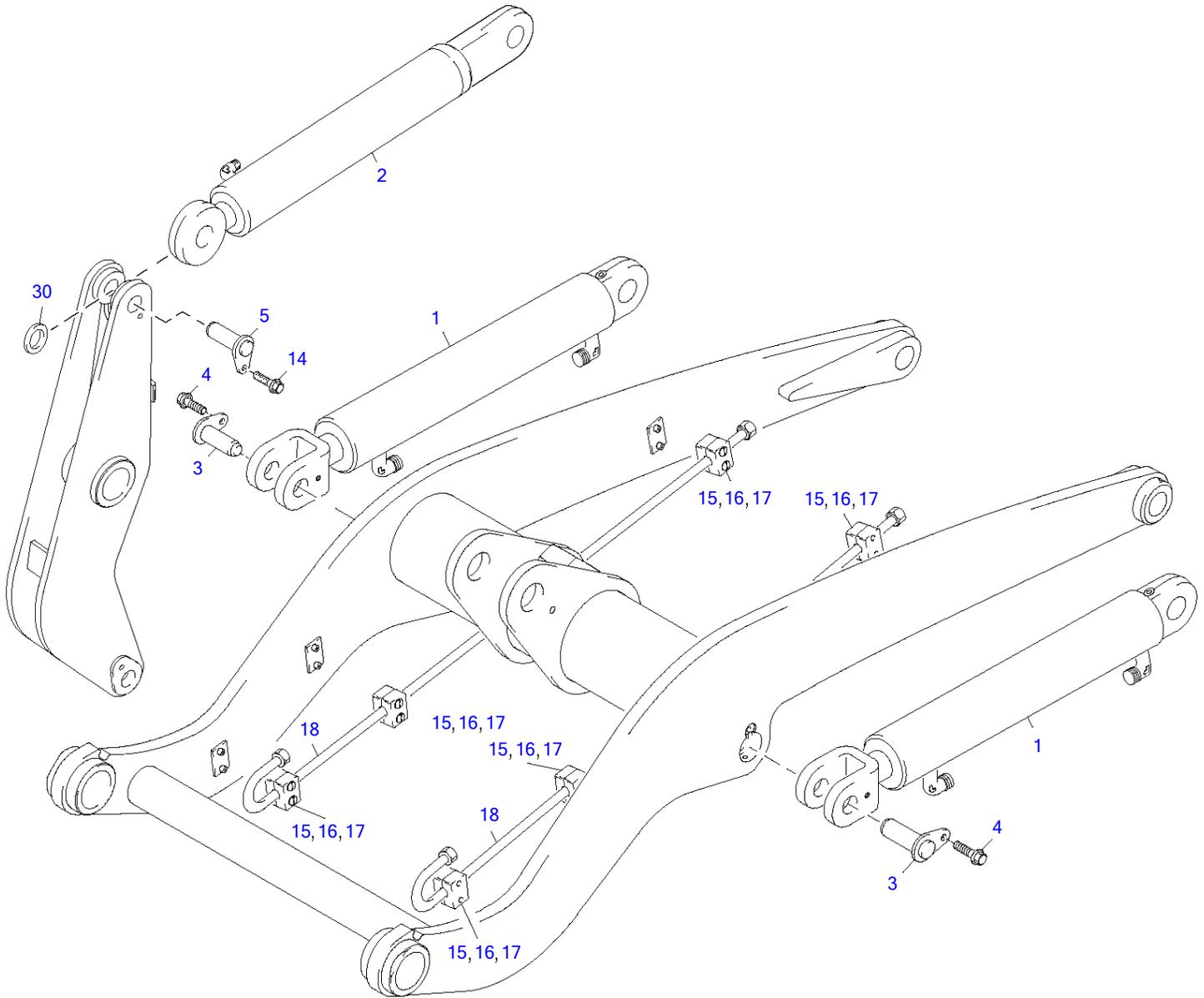


Return Hydraulics

Item	Part number	Description	Q'ty	Chan.	Serial No.	Serv.	Remarks
	8010081	Return Hydraulics					
1	8011354	Oil Cooler/Ventilator Body	1				
2	8006878	Coupling A3C	1				
3	1896571	LP-Hose 1400 MM	1				
4	8010053	Elbow Nipple Compl	2				
5	3951244	Coupling A3C	2				
6	1896571	LP-Hose 1500 MM	1				
7	1896571	LP-Hose 1150 MM	1				
8	8006759	LP-Hose 800 MM	1				
9	8008092	Holder	1				
10	3929440	Air Filter	1				
11	8010061	Coupling A3C	2				
12	8009636	Return Filter Compl	1				
13	1896571	LP-Hose 400 MM	1				
17	1309195	Hex Socket Head Cap Screw	3				
18	8008624	Compression Spring Cord	1				
19	2481254	Serrated Washer A3C	6				
20	8010060	Coupling A3C	4				
22	8017098	Ventilator 12 V	1				
23	3923842	Fastener	1				
24	1307079	Hex Head Screw A3C	6				
25	0350898	Usit Ring	1				
26	2970494	Hose Line	1				
27	0862944	Female Screw A3C	1				
28	1074306	Usit Ring	1				
29	0373588	Usit Ring	1				
30	2982909	Female Screw A3C	1				
36	3939464	Ripp Washer A3C	3				
37	3768296	Gasket A3C	1				
38	8018820	Angular Connection Compl	1				

Driving Hydraulics

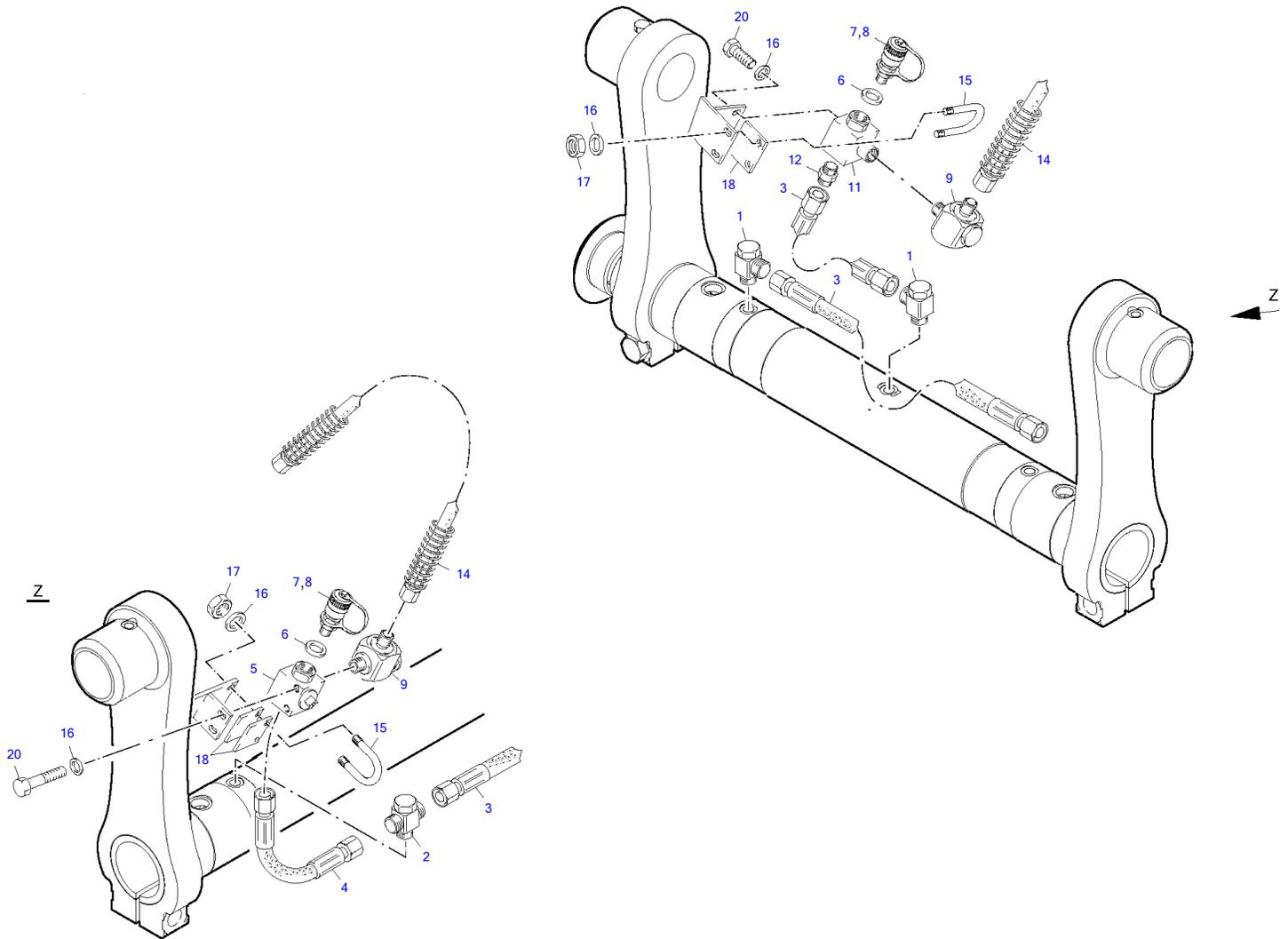
Item	Part number	Description	Q'ty	Chan.	Serial No.	Serv.	Remarks
	8017517	Driving Hydraulics	1				
1	2442848	Oil Pipe A3C	1				
2	1096982	Clip Norma	2				
3	8017518	Hose Line 6 X 1850	1				
9	2960243	Air Vent	1				
11	0399760	Hex Nut A3C	2				
12	3951777	HP-Hose 13 X1850	1				
13	8017519	Hose Line 6 X 1700	1				
15	8008166	HP-Hose 25 X 1500	1				
16	8008166	HP-Hose 25 X 1500	1				
17	1391980	Half of Flange Compl	8				
18	0860179	O-Ring	4				
21	2993151	Serrated Hex Head Screw	16				
25	8017413	Banjo	1				
26	8016983	Banjo	3				
27	8016984	Banjo	1				
30	2977571	HP Hose 13 X 1950	1				
44	3940945	Hose Line 6 X 850	1				
45	2443850	Female Screw S A3C	1				
46	0373588	Usit Ring U	15				
47	0350898	Usit Ring U	1				
48	0862944	Female Screw A3C	1				
50	0311528	Female Screw A3C	6				
52	3768296	Gasket A3C	1				



Hydraulic Lift System

Item	Part number	Description	Q'ty	Chan.	Serial No.	Serv.	Remarks
	8018585	Hydraulic Lift System	1				
	8016715	Hydraulic Lift Arm	1				
1	8018295	Lifting Cylinder	2				
2	8018297	Working Cylinder	1				
3	3741159	Pin Compl	2				
4	1783337	Serrated Hex Head Screw	2				
5	2911255	Pin Compl	1				
14	1782905	Serrated Hex Head Screw	1				
15	0877203	2-Piece Clip Body	6				
16	1302325	Washer	12				
17	1780969	Oval Head Screw	12				
18	8017655	Conduit	2				
30	8004668	Disk 1.0 MM	1				
	8004669	Disk 1.2 MM	1				
	8004670	Disk 1.5 MM	1				
	8004671	Disk 2.0 MM	1				

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Hydraulic Quick Release



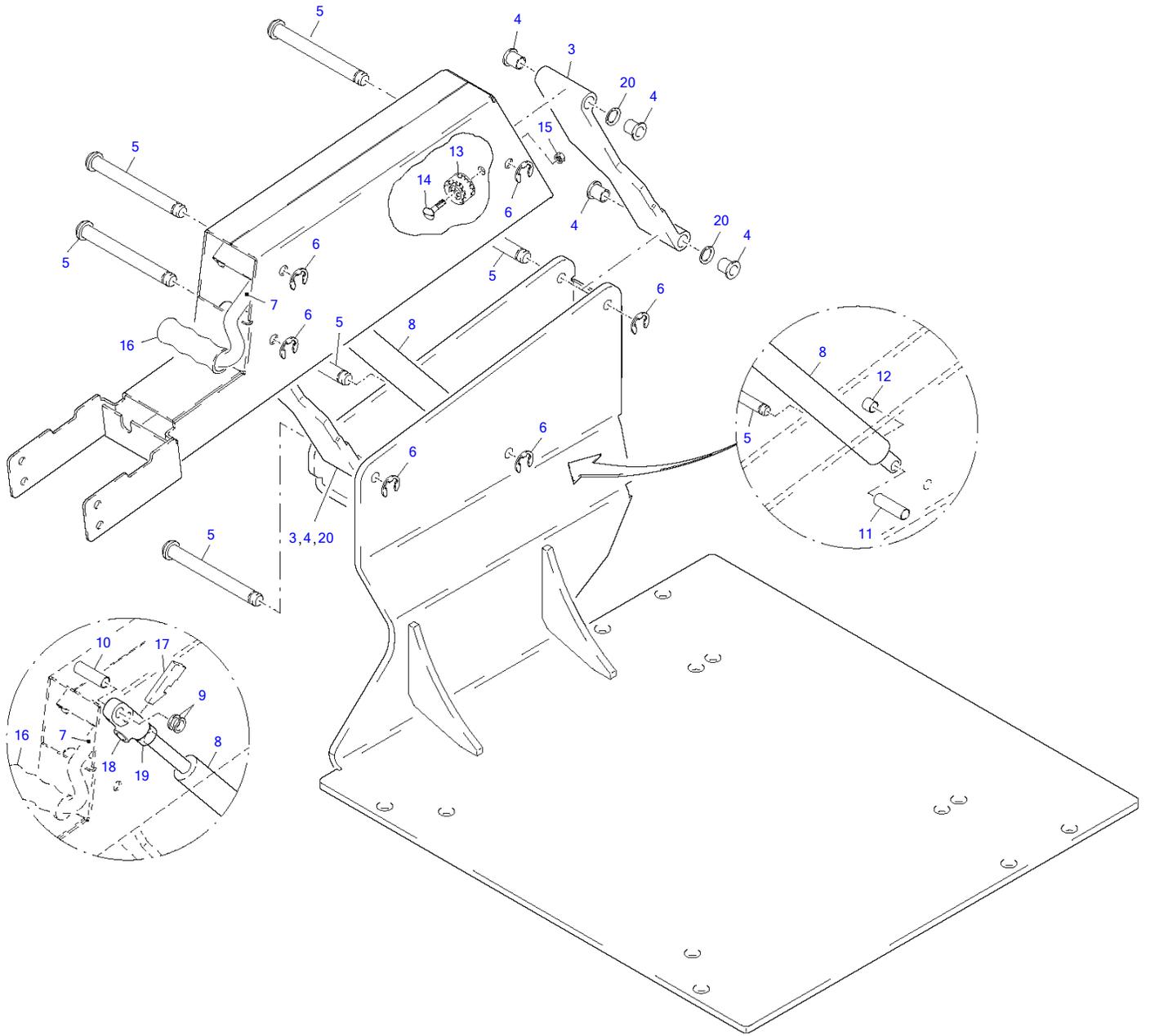
Hydraulic Quick Release

Item	Part number	Description	Q'ty	Chan.	Serial No.	Serv.	Remarks
	8016623	Hydraulic Quick Release	1				
1	2456822	Coupling A3C	2				
2	2456844	Coupling A3C	1				
3	8003356	HP-Hose	2				
4	8003357	HP-Hose	1				
5	2970905	Shut Off Cock	1				
7	2605709	Screw Plug A3C	2				
9	8013001	Slew Coupling	2				
11	2971746	Square Steel Bar	1				
12	2908501	Coupling A3C	1				
14	8008375	HP-Hose 13 X 825	2				
15	8002703	Clamp Strap	2				
16	2992014	Ripp Washer A3C	8				
17	0487336	Nut A3C	4				
18	8010355	Plate	3				
20	1307115	Hex Head Screw A3C	4				
	8007008	Hyd Quick Release EQ	1				

Servo Control Compl

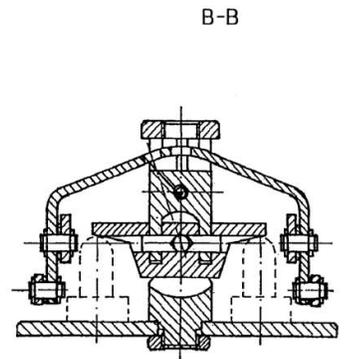
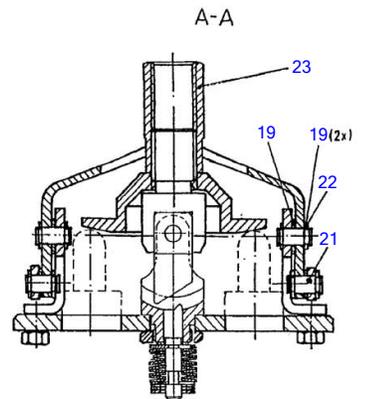
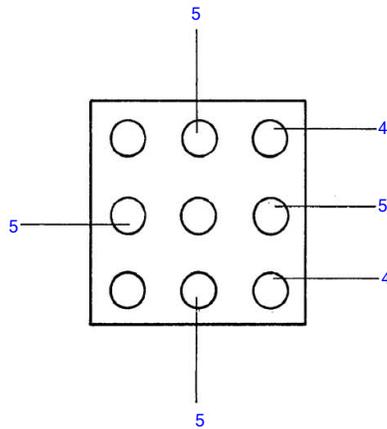
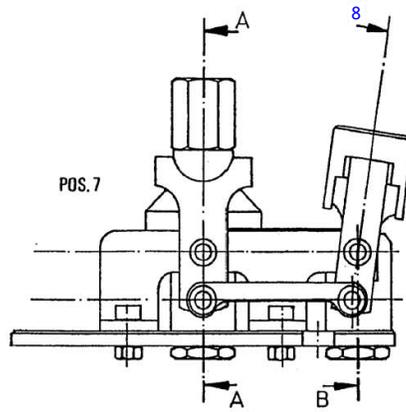
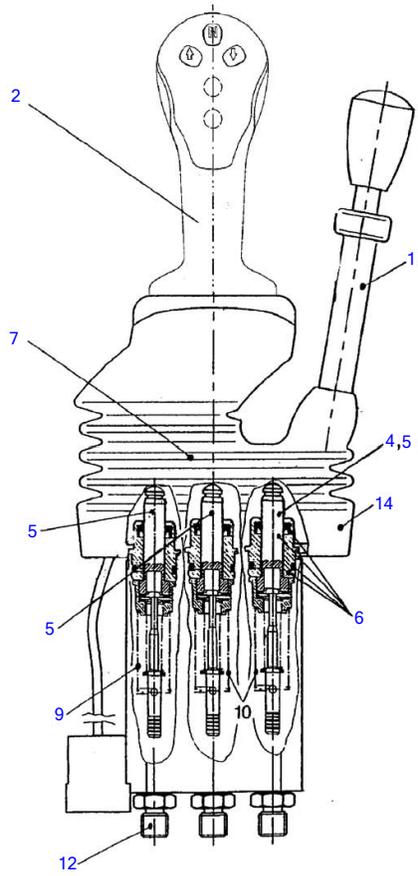
Item	Part number	Description	Q'ty	Chan.	Serial No.	Serv.	Remarks
	8018579	Servo Control Compl	1				
1	8018506	Directional Valve	1				
2	2990169	Stud	3				
3	1722787	Serrated Nut	3				
4	2980576	Screw Connection A3C	4				
5	2481696	Screw Connection A3C	1				
6	8006878	Screw Connection A3C	1				
7	1361586	Screw Connection A3C	2				
10	3951788	HP Hose 13 X 3000	1				
11	8006759	LP Hose 3350 MM	1				
12	0373588	Usit Ring U	9				
13	0311528	Female Screw A3C	6				
14	0350898	Usit Ring U	5				
15	0862944	Female Screw A3C	2				
16	2980827	Female Screw A3C	1				
17	8011331	Valve Compl	1				
18	1347271	Hex Head Screw A3C	2				
19	0487336	Hex Nut A3C	2				
20	8017593	Solenoid Valve	1				
	8020545	Solenoid Valve 12V	3				
21	0893156	Hex Nut A3C	1				
22	2481254	Serrated Washer A3C	2				
23	1356341	Washer A3C	2				
24	1347486	Screw Plug A3C	1				
25	0858506	Usit Ring U	1				
26	3766192	Double Nipple	1				
27	0858573	Usit Ring U	1				
28	3766181	Pressure Accumulator	1				
29	3932707	Hose Line 6 X 2600	2				
31	3945315	Hose Line 6 X 1550	1				
32	2903937	Screw Connection A3C	1				
33	3931013	Hose Line 6 1400	1				
34	3947873	Hose Line 6 X 2200	3				
35	3945304	Hose Line 6 X 2300	3				
36	1307080	Hex Head Screw A3C	1				
39	1625030	Hex Head Screw A3C	1				
40	2986801	Heater Hose 800 MM	1				
43	2989848	Gasket A3C	3				
44	3768296	Gasket A3C	2				
45	8009530	Screw Connection A3C	1				

TW80 Book No. 8020870 01.10 S/N E107240
Servo Control Bracket

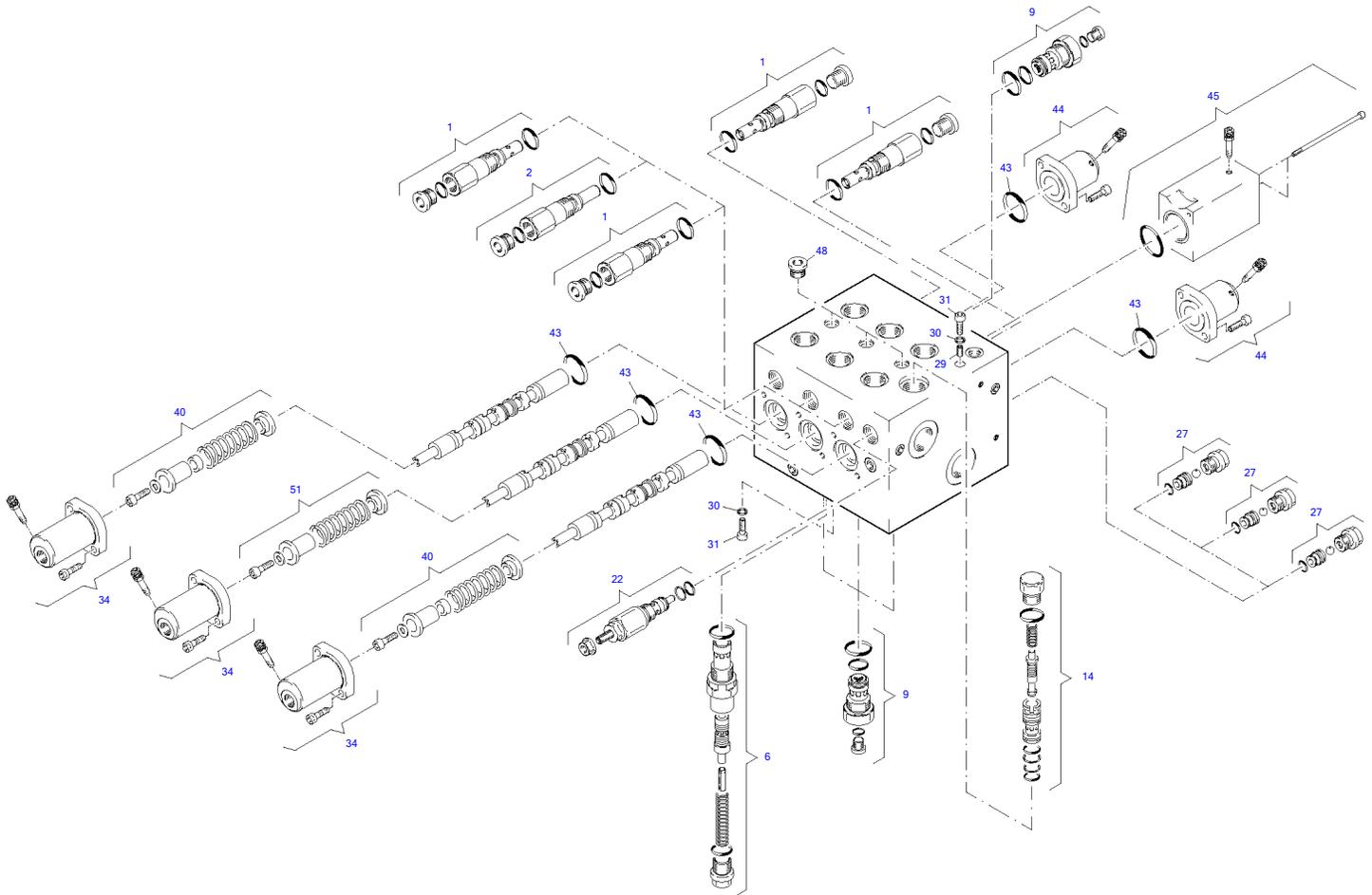


Servo Control Bracket

Item	Part number	Description	Q'ty	Chan.	Serial No.	Serv.	Remarks
	8007923	Servo Control Bracket	1				
3	8007487	Hinge Part	2				
4	1749733	Bush	8				
5	0879192	Bolt	6				
6	0498748	Locking Washer	6				
7	3764849	Control Lever Compl	1				
8	3762450	Pneumatic Spring	1				
9	0863138	Washer A3C	2				
10	3764872	Spacer Pipe	1				
11	8007496	Spacer Pipe	1				
12	3764930	Spacer Pipe	1				
13	0466364	Round Buffer	1				
14	0487314	Oval Head Screw	1				
15	0487336	Hex Nut A3C	1				
16	3960676	Handle	1				
17	3768069	Lever	1				
18	3987699	Release	1				
19	0498522	Hex Nut A3C	1				
20	0885849	Disk Spring	4				



Item	Part number	Description	Valve Compl				Remarks
			Q'ty	Chan.	Serial No.	Serv.	
	8011331	Valve Compl	1				
1	3981864	Lock	1				
2	8011332	Servo Control Handle	1				
4	3971486	Valve Insert 408A	2				
5	3971475	Valve Insert 408B	4				
6	3971533	Sliding Insert	6				
7	8003291	Actuation	1				
9	3971408	Pressure Spring	2				
10	3971419	Pressure Spring	4				
12	2917886	Screw Connection A3C	8				
14	3981875	Boot	1				
19	3971555	Shim	20				
21	8004038	Pin A3C	4				
22	8004039	Locking Washer	8				
23	8011883	Connection	1				



Item	Part number	Description	Directional Valve			
			Q'ty	Chan.	Serial No.	Serv. Remarks
	8018506	Directional Valve	1			
1	8021285	Valve Compl	4			
2	8021286	Valve Compl	1			
6	3964307	Lowering Brake	1			
9	3988952	Check Valve	4			
14	3988929	Regulating Valve	1			
22	2984912	Pilot	1			
27	8011968	Two-Way Valve	3			
29	3964261	Nozzle	1			
30	0407385	Gasket A	2			
34	8011960	Cap Compl	3			
40	8011966	Set of Springs	2			
43	0391251	O-Ring	5			
44	8011961	Cap Compl	2			
45	3985108	Control Head	1			
48	0423556	Screw Plug A3C	3			
51	8011967	Set of Springs	1			
	3988963	Seal Kit	1			

