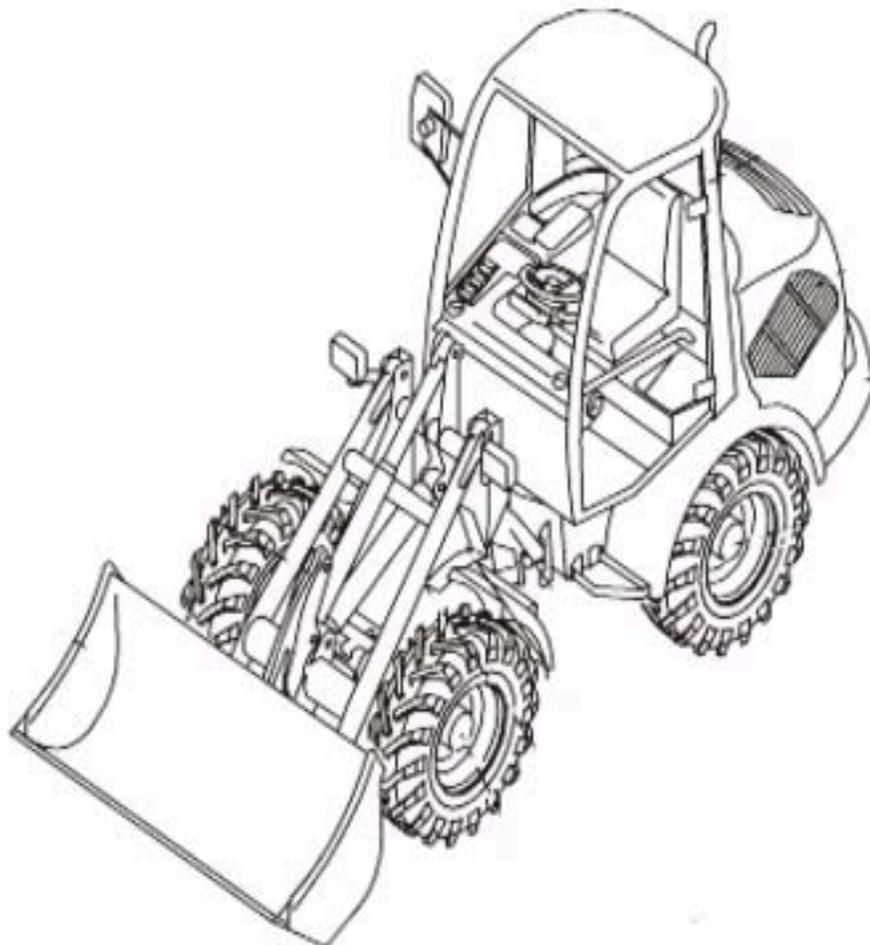


PARTS MANUAL

TW65

Serial No. E106266~

Book No 8020866



WHEEL LOADER

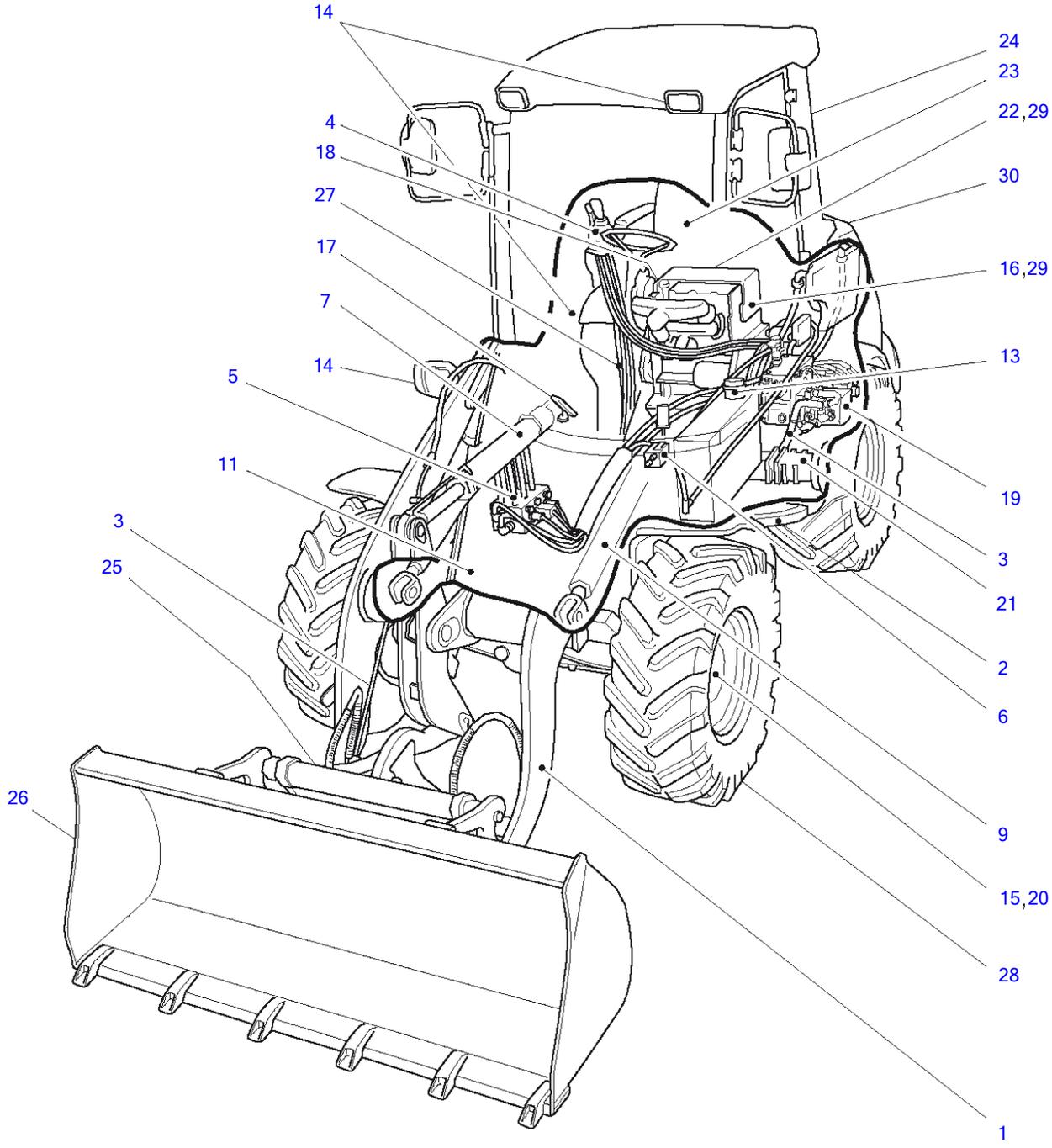
TAKEUCHI

Product: Takeuchi TW65 Wheel Loader Parts Manual(Book No.8020866/8016561/8020866)

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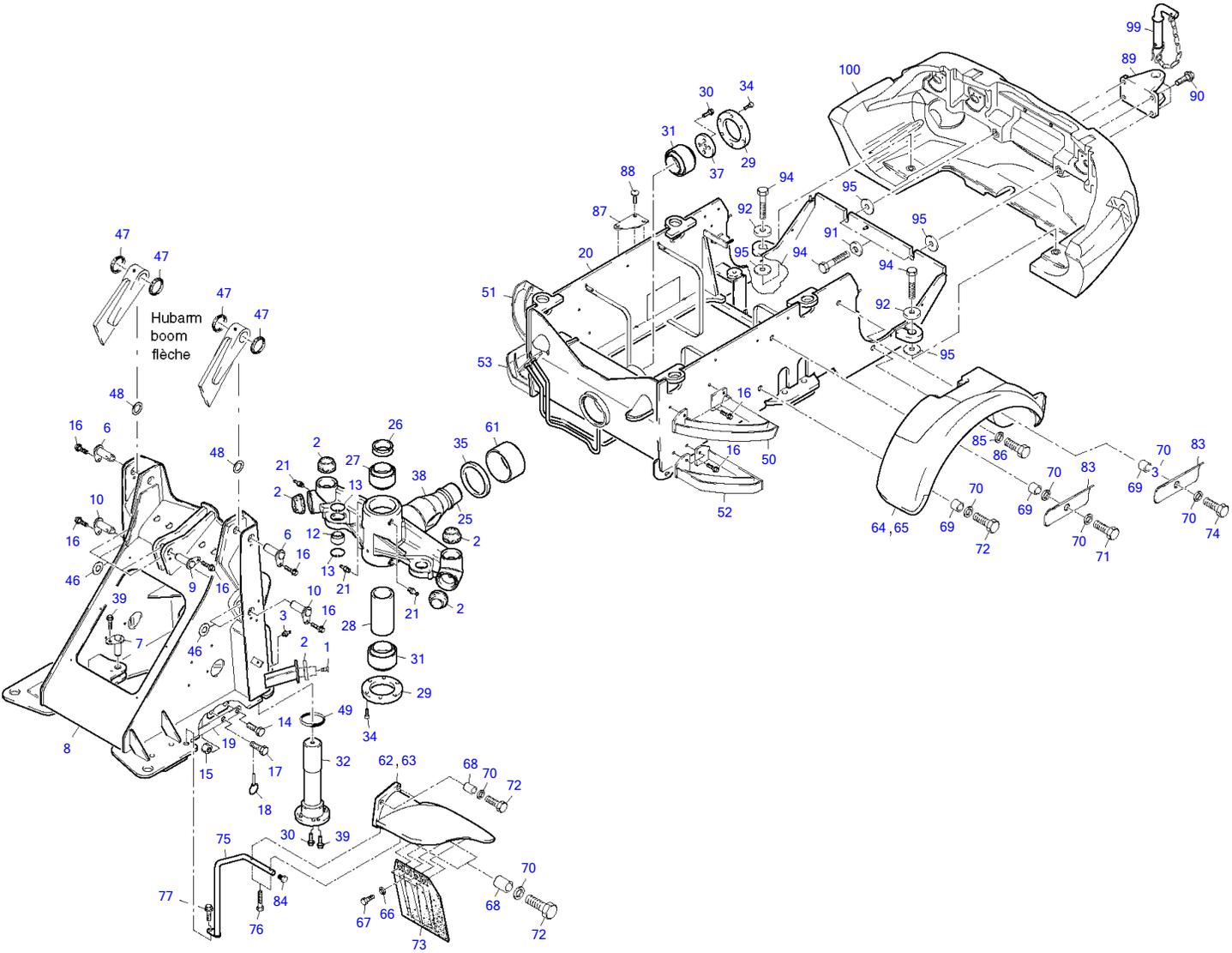
<https://www.arepairmanual.com/downloads/takeuchi-tw65-wheel-loader-parts-manualbook-no-802086680165618020866/>



Item	Part number	Description	Index	Q'ty	Chan.	Serial No.	Serv.	Remarks
1	8003072	Lifting Unit						
2	8002532	Base Frame						
3	8011561	Steering Hydraulics						
	8011945	Working Hydraulics						
	8017507	Return Hydraulics						
	8017454	Driving Hydraulics						
	8017642	Hydraulic Lifting Unit						
	8016545	Hyd Quick Release Eq						
4	8017492	Pilot Control Compl						
	8007923	Server Contr Bracket						
5	8017657	Directional Valve						
	8011331	Valve Compl						
6	8005560	Brake Throttle Valve						
7	8017566	Working Ram						
9	8017548	Lifting Ram						
11	3959515	Steering Ram						
13	8009636	Return Filter Compl						
14	8008690	Electric System						
	8008388	Electric System Cabin						
	8008597	Printed Circuit Compl						
	8009633	Working Headlight Compl						
15	8017415	Drive Set						
16	8011116	Diesel Engine Compl						
	8008274	Exhaust Installation						
17	8005490	Inch-Actuator						
18	3944347	Air Filter System						
19	8017230	Oil Pressure Pump Compl						
	8016978	Oil Pressure Pump 12V						
	8016978	Oil Pressure Pump Compl 12V						
	8016981	Oil Motor						
20	8006363	Front Axle						
	8009258	Axle Pipe						
21	8006364	Rear Axle						
	8009258	Axle Pipe						
	8000892	Brake Disk						
	8009421	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	8003071	Hyd Quick Release Eq						
26	3705791	Pallet Fork Compl						
27	8003053	Heating Circuit						
28	8016611	Decals and Accessories						
	8016644	Protective Hoses						
	8018983	Filter Set						
30	8011730	Covering						
	8016809	Engine Hood Compl						
	8008759	Covering						

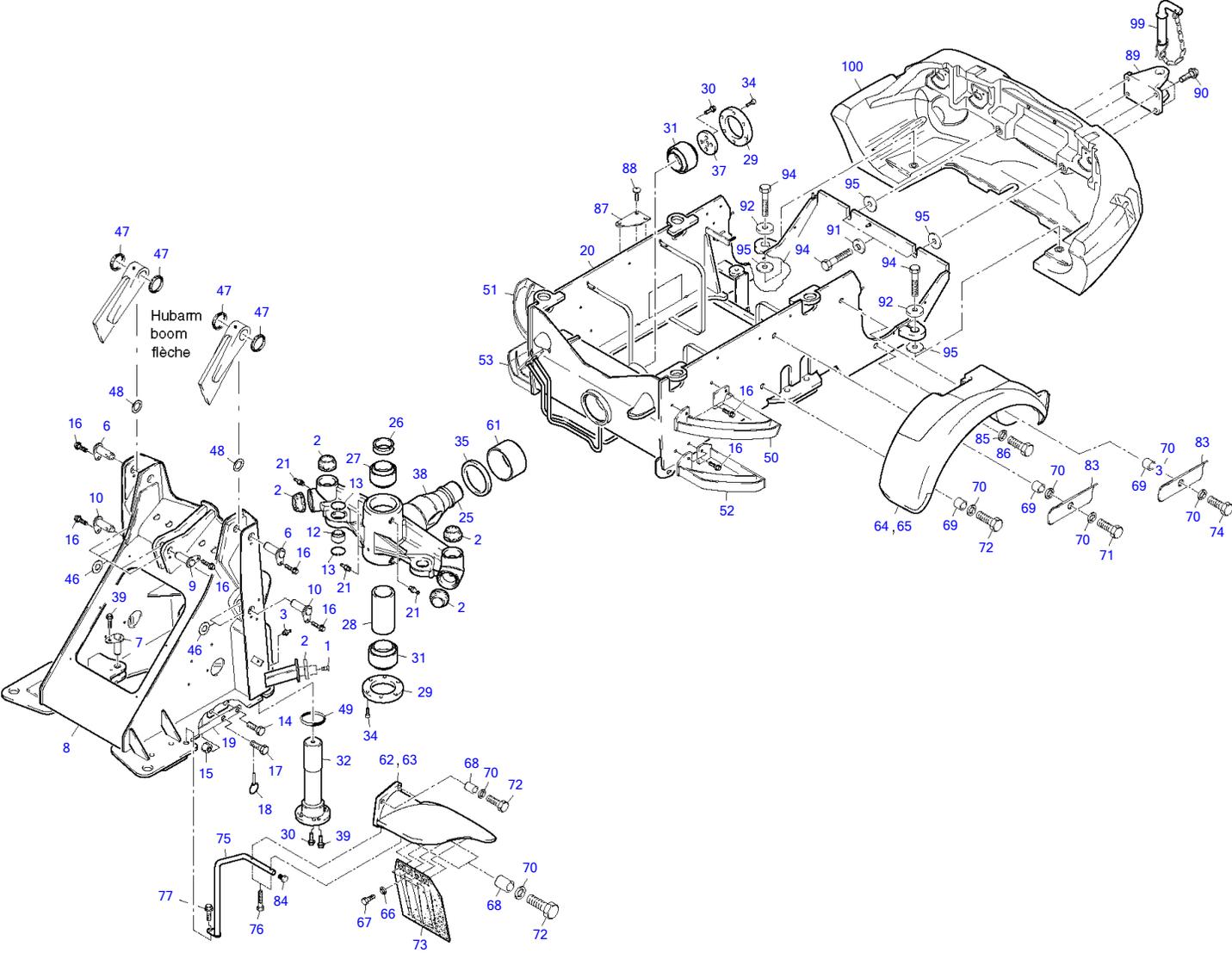
Item	Part number	Description	Lifting Unit			Remarks
			Q'ty	Chan.	Serial No.	
	8003072	Lifting Unit	1			
1	8002521	Boom Compl	1			
2	8003055	Shift Lever Compl	1			
3	8003071	Hyd Quick Release Eq	1			
4	1783337	Serrated Hex Head Screw	1			
5	0877689	Pin Compl	1			
6	0847887	Pin Compl	1			
7	1782905	Serrated Hex Head Screw	1			
8	0809472	Wiper Seal	2			
10	1782654	Disk 1.0 MM	1			
	8003252	Disk 1.2 MM	1			
	8003253	Disk 1.5 MM	1			
	1782665	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	7			
13	8004387	Split Bush	2			
14	2915806	Spherical Bearing	2			
15	2916794	Self-Locking Bolt	2			
16	8004388	Split Bush	2			
17	2961437	Circlip	1			
18	8004389	Split Bush	2			
19	2985537	Threaded Pin	2			

TW65 Book No. 8020866 03.08 S/N E106266
Base Frame

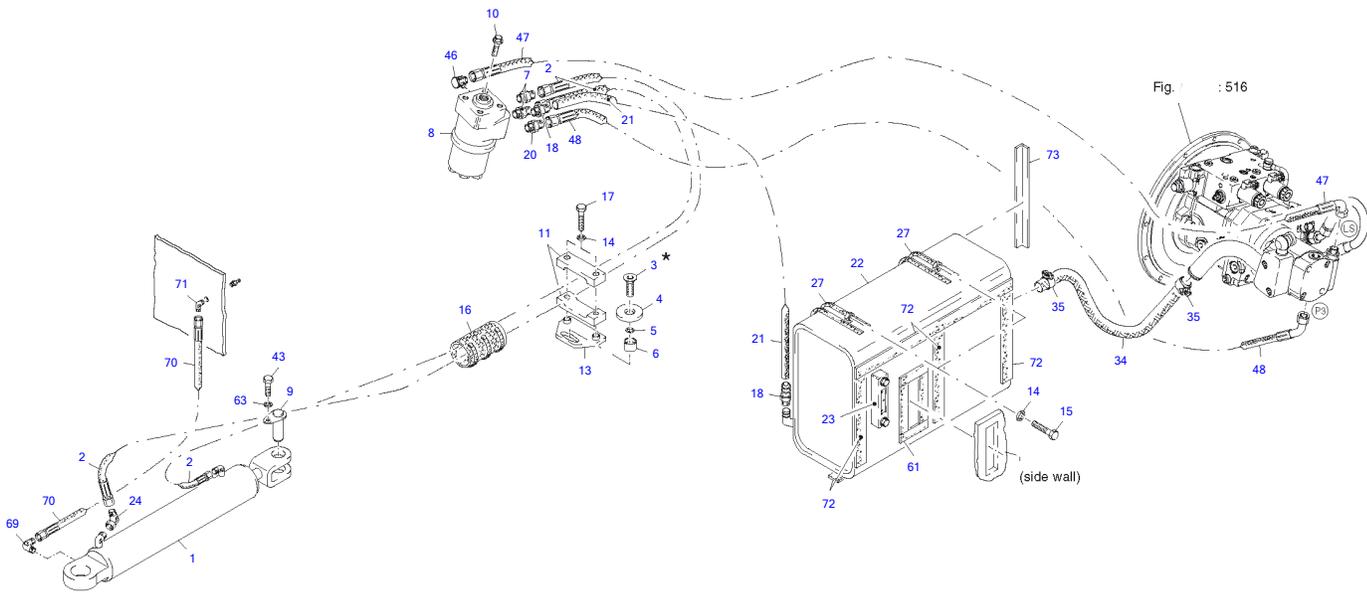


Item	Part number	Description	Base Frame Q'ty	Chan.	Serial No.	Serv.	Remarks
	8002532	Base Frame	1				
2	3928869	Stop Buffer	4				
3	0324590	Grease Nipple	1				
6	8017589	Pin Compl	2				
7	8017579	Pin Compl	1				
8	8017287	Frame Front	1				
9	8017582	Pin Compl	1				
10	8017583	Pin Compl	2				
12	0447032	Spherical Bearing	1				
13	0318069	Circlip Tone 400	2				
14	1627236	Hex Head Screw A3C	1				
15	0327322	Nut A3C	1				
16	1783337	Serrated Hex Head Screw	13				
17	1014053	Special Screw	1				
18	1011163	Split Pin	1				
19	3931820	Safety Rod	1				
20	8017297	Rear Frame	1				
21	0300569	Grease Nipple	5				
25	3924490	Artic Pend Joint	1				
26	0884177	V-Ring	1				
27	2919399	Spherical Bearing	1				
28	0896751	Spacer	1				
29	0896740	Disk	2				
30	0884166	Self-Locking Bolt	8				
31	2919388	Spherical Bearing	2				
32	3923820	Pin	1				
34	0321371	Hex Head Cap Screw	12				
35	0896762	Distance Ring	1				
37	0896773	Disk	1				
38	3925297	Artic Pend Joint Compl	1				
39	3762610	Self-Locking Bolt	5				
46	4674104	Shim 1.0 MM	1				
	8001149	Shim 1.5 MM	1				
	4626253	Shim 2.0 MM	1				
47	8002032	Wiper Seal	4				
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	8004155	Left Climb Bracket	1				
51	8004156	Right Climb Bracket	1				
52	3953893	Left Climb Bracket	1				
53	3953906	Right Climb Bracket	1				
61	2441632	Bush	1				
62	3925059	Left Front Fender	1				
63	3925060	Right Front Fender	1				
64	3925071	Left Rear Fender	1				
65	3925082	Right Rear Fender	1				
66	0447985	Washer A3C	8				
67	8016036	Hex Head Screw A3C	8				
68	3930772	Spacer	8				
69	3930783	Spacer	6				
70	1620160	Washer A3C	18				
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				
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	3930954	Hex Head Screw A3C	2				
87	8008792	Cover Plate	1				
88	3934378	Lens Head Screw A3R	3				
89	3944949	Draw BAr Coupling	1				

TW65 Book No. 8020866 03.08 S/N E106266
Base Frame



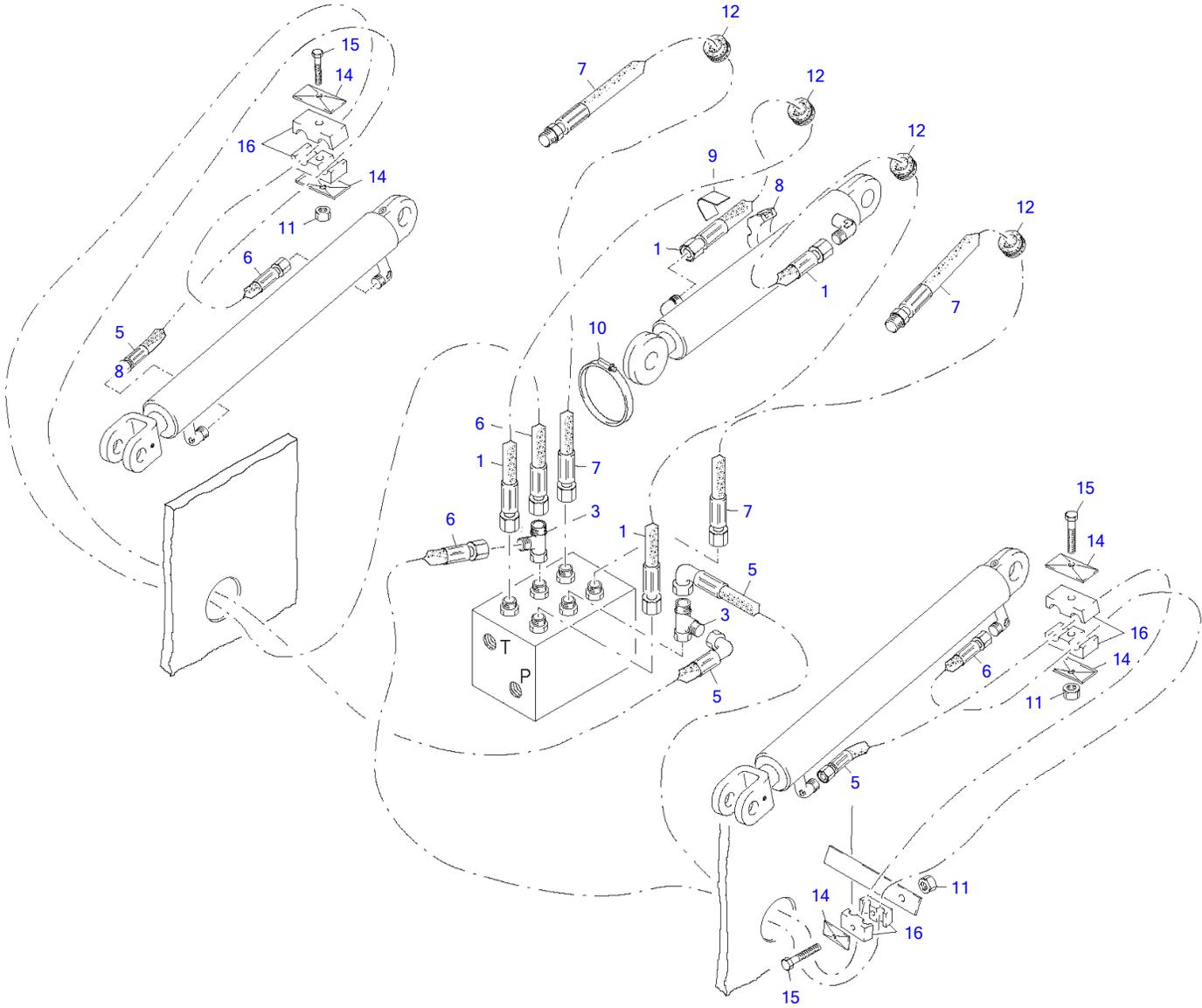
							Base Frame		
Item	Part number	Description	Q'ty	Chan.	Serial No.	Serv.	Remarks		
90	2993151	Serrated Hex Head Screw	4						
91	1005438	Washer	2						
92	1781813	Disk	2						
94	1618393	Hex Head Screw A3C	2						
95	1781802	Washer A3C 4.0 MM	4						
	3930885	Washer A3C 2.0 MM	1						
	3930896	Washer A3C 3.0 MM	1						
	3930909	Washer A3C 5.0 MM	1						
99	3944574	Pin	1						
100	8016020	Counter Weight	1						



Plug is to be secured with Loctite No. 270

Steering Hydraulics

Item	Part number	Description	Q'ty	Chan.	Serial No.	Serv.	Remarks
	8011561	Steering Hydraulics	1				
1	3959515	Steering Ram	1				
2	2912052	HP-Hose 10 x 1550	2				
3	1002184	Countersunk Screw	1				
4	1745591	Washer	1				
5	1388656	Spring Washer A3C	1				
6	0323624	Split Bush	1				
7	1666948	Coupling A3C	1				
8	8011864	Steering Valve	1				
9	8017579	Pin Compl	1				
10	2990216	Self-Locking Bolt	4				
11	3760607	Block	2				
13	2908147	Console Compl	1				
14	2481254	Serrated Washer A3C	4				
15	0410073	Hex Head Screw A3C	2				
16	3937075	Rubber Mat	1				
17	0893418	Hex Head Screw A3C	2				
18	8006878	Coupling A3C	2				
20	2481696	Coupling A3C	1				
21	8006759	LP-Hose 700 MM	1				
22	8017885	Hydraulic Tank Compl	1				
23	3925322	Sight Glass	1				
24	2904552	Coupling A3C	1				
25	0399760	Nut A3C	2				
27	0909224	Profile Rubber 650 MM	2				
34	8019819	Suction Hose 38 X 450	1				
35	3737879	Clip	2				
37	8008624	Compression Spring Cord	1				
43	1307104	Hex Head Screw A3C	1				
46	2456833	Coupling A3C	1				
47	8017406	HP-Hose 8 X 1900	1				
48	3951777	HP-Hose 13 X 1850	1				
61	0909304	Profile Rubber 600 MM	1				
63	2481243	Ripp Washer A3C	1				
69	1661830	Coupling A3C	1				
70	3747519	Hose Line 4 X 500	1				
71	1661841	Coupling A3C	1				
72	0909304	Profile Rubber 2900 MM	1				
73	0935113	Profile Rubber 300 MM	1				

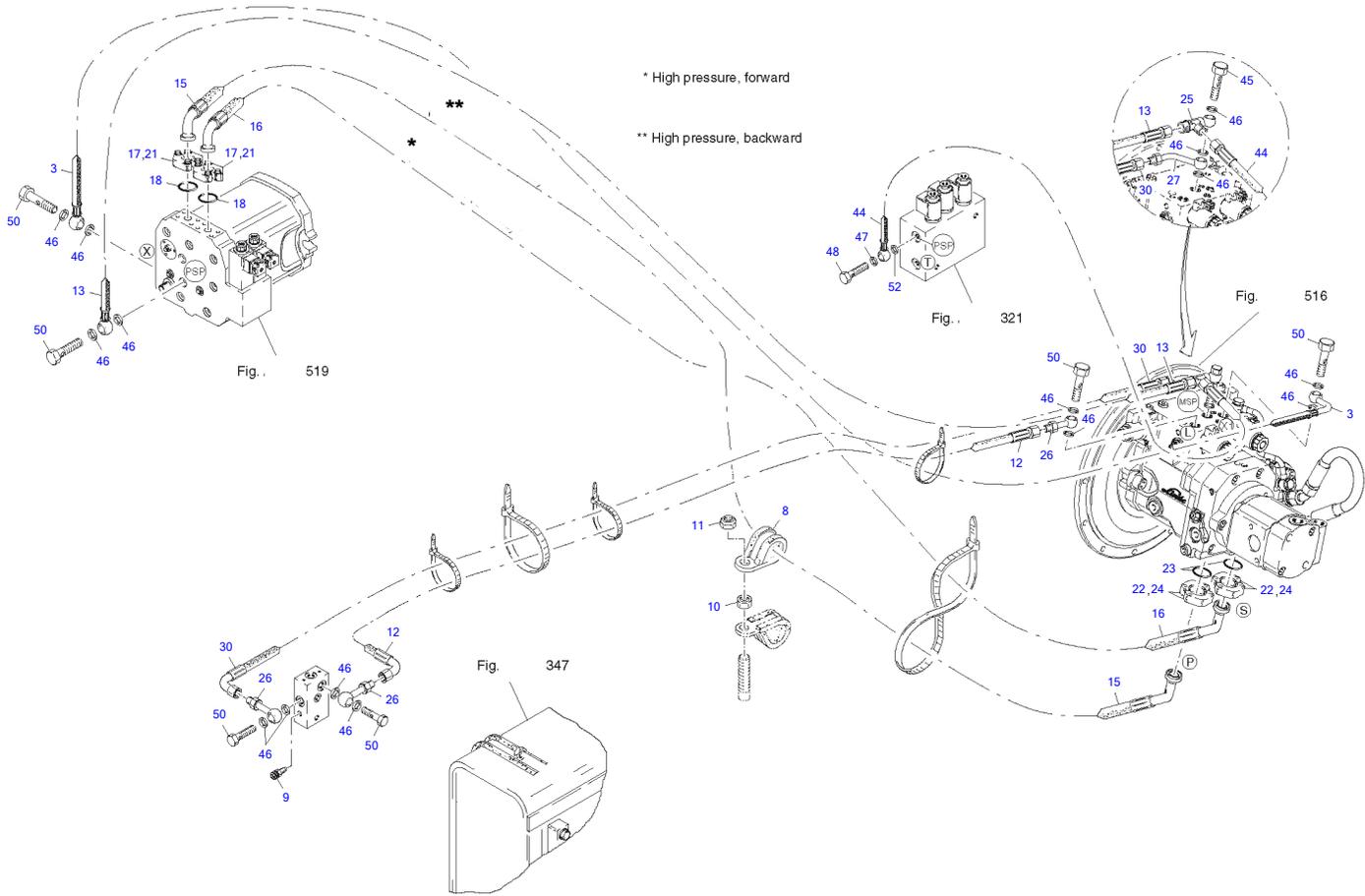


Working Hydraulics

Item	Part number	Description	Q'ty	Chan.	Serial No.	Serv.	Remarks
	8011945	Working Hydraulics	1				
1	3934732	HP-Hose 13 X 1500	2				
3	3761379	Coupling A3C	2				
5	3762541	HP-Hose 10 X 1750	2				
6	2912052	HP-Hose 10 X 1550	2				
7	8011944	HP-Hose 13 X 1500	2				
8	3924730	Clip	1				
9	8004184	Clamp Strap	1				
10	2991568	Clamp	1				
11	2991568	Clamp	4				
12	3763484	Rubber Socket	4				
14	0874960	Cover Plate	6				
15	1336869	Hex Head Screw A3C	4				
16	2912085	2-Piece Clip Body	4				

Return Hydraulics

Item	Part number	Description	Q'ty	Chan.	Serial No.	Serv.	Remarks
	8017507	Return Hydraulics	1				
1	8011354	Oil Cooler/Ventilator	1				
2	8006878	Coupling A3C	3				
3	8006759	LP-Hose 1250 MM	1				
4	8005332	Gasket	2				
5	8005342	Nut A3C	2				
6	8006759	LP-Hose 1250 MM	1				
7	1896571	LP-Hose 1075 MM	1				
8	8006759	LP-Hose 800 MM	1				
9	8008092	Holder	1				
10	3929440	Air Filter	1				
11	8004460	Coupling A3C	2				
12	8009636	Return Filter Compl	1				
13	1896571	LP-Hose 400 MM	1				
14	1722787	Serrated Nut	1				
15	8010060	Coupling A3C	1				
17	1309195	Hex Head Cap Screw	3				
18	8008624	Compression Spring Cord	1				
19	2481254	Ripp Washer A3C	6				
20	8009530	Coupling A3C	2				
22	8017098	Ventilator 12V	1				
23	3923842	Quick Lock	1				
24	1307079	Hex Head Screw A3C	6				
25	0350898	Usit Ring U	1				
26	2970494	Hose Line	1				
27	0862944	Female Screw A3C	1				
28	1074306	Usit Ring U	1				
29	0373588	Usit Ring U	1				
30	2982909	Female Screw A3C	1				
31	0916665	Hose 130 MM	1				
33	8007024	Connecting Pipe Compl	1				
34	2456957	Screw Connection A3C	2				
36	3939464	Ripp Washer A3C	3				
37	3768296	Gasket A3C	1				
38	8018818	Connecting Piece Compl	1				

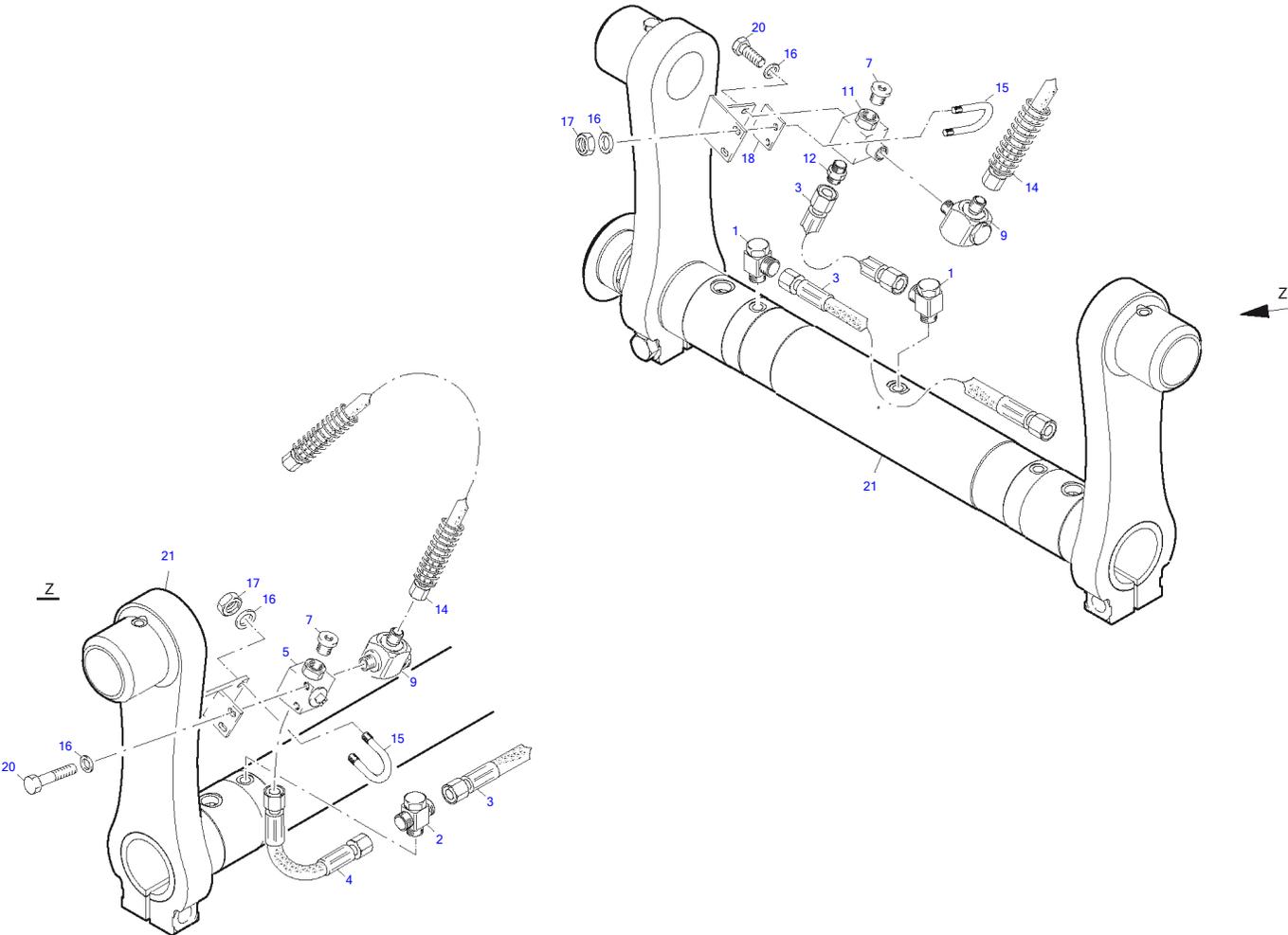


Driving Hydraulics

Item	Part number	Description	Q'ty	Chan.	Serial No.	Serv.	Remarks
	8017454	Driving Hydraulics	1				
3	8017477	Hose Line 6 X 1700	1				
8	3745142	Clip Norma	1				
9	2960243	Air Vent	1				
10	0893156	Nut A3C	1				
11	0327297	Nut A3C	1				
12	3934709	HP-Hose 13 X 1750	1				
13	8017519	Hose Line 6 X 1700	1				
15	8009540	HP-Hose 20 X 1400	1				
16	8009540	HP-Hose 20 X 1400	1				
17	1391980	Half of Flange Compl	4				
18	0860179	O-Ring	2				
21	2993151	Serrated Hex Head Screw	8				
22	1391559	Half of Flange Compl	4				
23	0860168	O-Ring	2				
24	0828022	Self-Locking Screw	8				
25	8017413	Banjo	1				
26	8016983	Banjo	3				
27	8016984	Banjo	1				
30	2991488	Hp-Hose 13 X 1800	1				
45	2443850	Female Screw S A3C	1				
46	0373588	Usit Ring U	12				
47	0350898	Usit Ring U	1				
48	0862944	Female Screw A3C	1				
50	0311528	Female Screw A3C	3				
52	3768296	Gasket A3C	1				

Hydraulic Lifting Unit

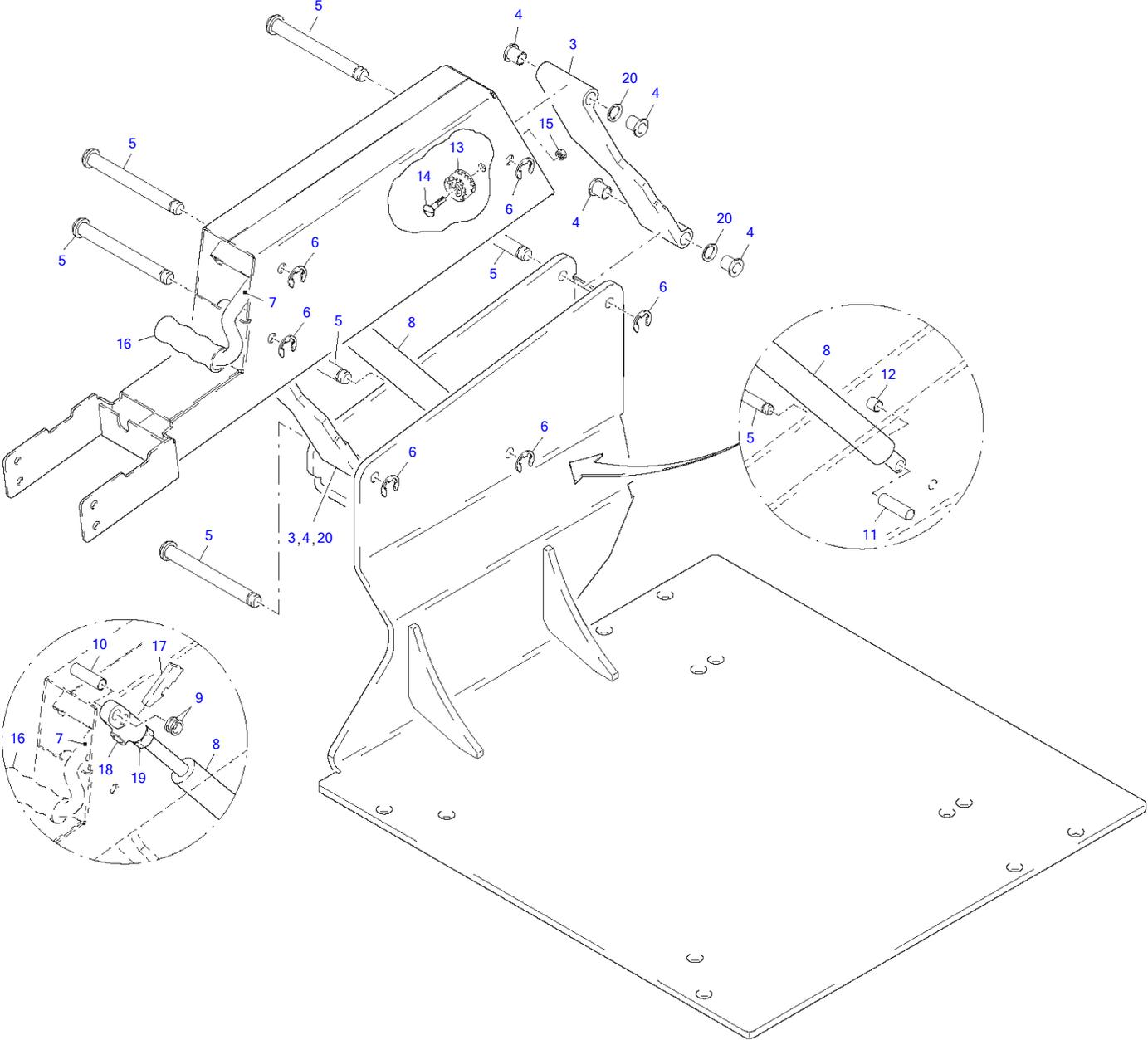
Item	Part number	Description	Q'ty	Chan.	Serial No.	Serv.	Remarks
	8017642	Hydraulic Lifting Unit	1				
	8016544	Boom	1				
1	8017548	Lifting Cylinder	2				
2	8017566	Working Cylinder	1				
3	8017586	Pin Compl	2				
4	1783337	Serrated Hex Head Screw	3				
5	8017588	Pin Compl	1				
6	8019384	Shovel Position Indicator	1				
15	0877203	2-Piece Clip Body	4				
16	1302325	Washer	8				
17	1780969	Oval Head Screw	8				
18	8017653	Conduit	2				
30	4674104	Shim 1.0 MM	1				
	8001149	Shim 1.5 MM	1				
	4626253	Shim 2.0 MM	1				



Hyd Quick Release Eq

Item	Part number	Description	Q'ty	Chan.	Serial No.	Serv.	Remarks
	8016545	Hyd Quick Release Eq	1				
1	2456822	Coupling A3C	2				
2	2456844	Coupling A3C	1				
3	8003356	HP-Hose 8 X 425	2				
4	8003357	HP-Hose 8 X 200	1				
5	2970905	Shut off Cock	1				
7	2605709	Screw Plug A3C	2				
9	8013001	Seivel Joint	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	1				
20	1307115	Hex Head Screw A3C	4				
21	8003071	Hyd Quick Release Eq	1				

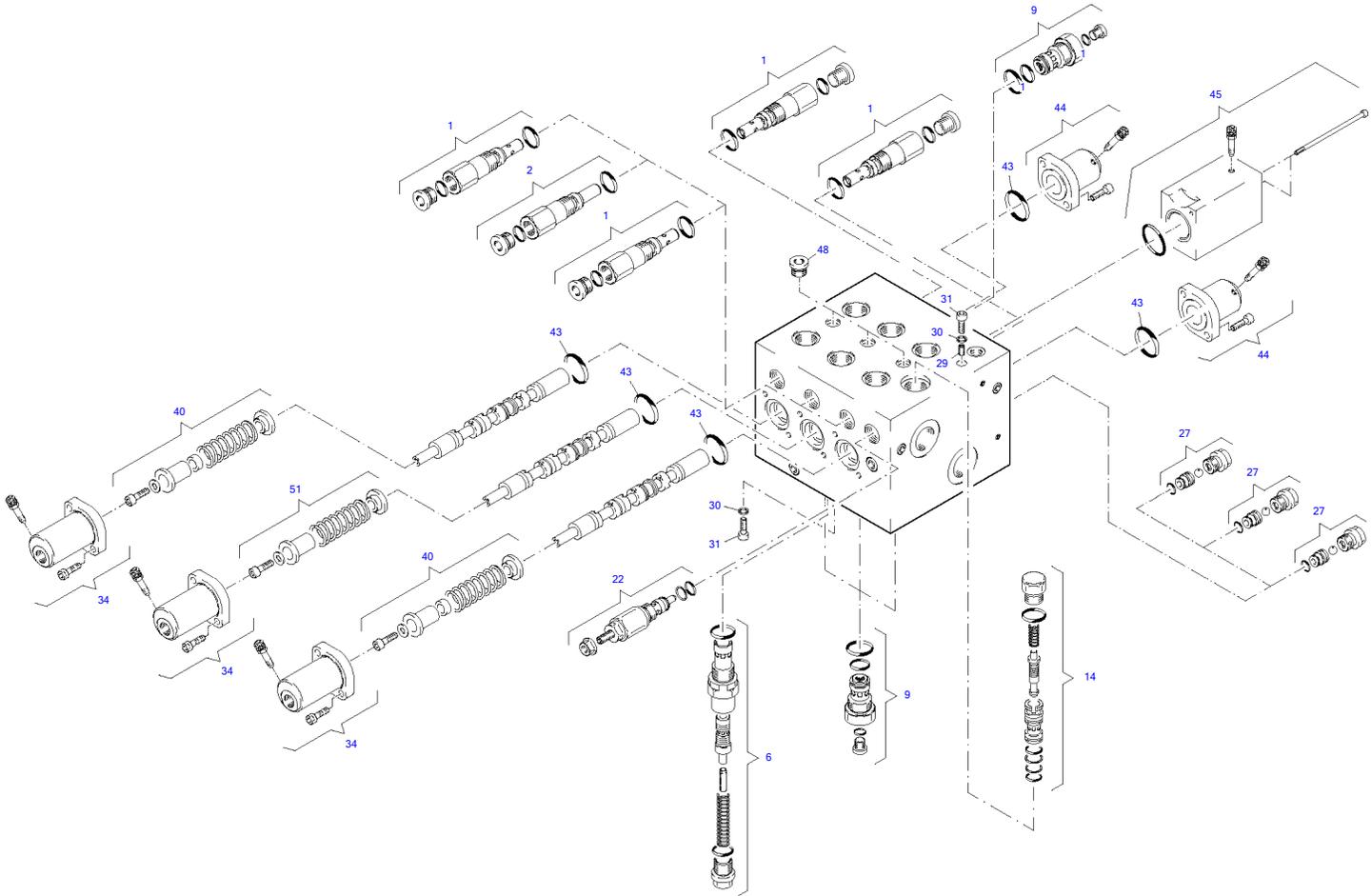
Pilot Control Compl						
Item	Part number	Description	Q'ty	Chan.	Serial No.	Serv. Remarks
	8017492	Pilot Control Compl	1			
1	8008717	Directional Valve	1			
2	2990169	Stud	3			
3	1722787	Serrated Nut	3			
4	2980576	Screw Connection A3C	4			
5	2481696	Screw Connection A3C	1			
6	8006878	Screw Connection A3C	1			
7	1361586	Screw Connection A3C	2			
8	2989848	Gasket A3C	3			
9	8009530	Screw Connection A3C	1			
10	8003019	HP-Hose 13 X 2800	1			
11	8006759	LP-Hose 3150 MM	1			
12	0373588	Usit Ring U	9			
13	0311528	Hollow Screw A3C	6			
14	0350898	Usit Ring U	5			
15	0862944	Hollow Screw A3C	2			
16	2980827	Hollow 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 X 1400	1			
34	3947873	Hose Line 6 X 2200	6			
36	1307080	Hex Head Screw A3C	1			
39	1625030	Hex Head Screw A3C	1			
40	2986801	Heater Hosse 800 MM	1			
43	3768296	Gasket A3C	2			



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				

TW65 Book No. 8020866 03.08 S/N E106266
Directional Valve



Item	Part number	Description	Directional Valve			
			Q'ty	Chan.	Serial No.	Serv. Remarks
	8017657	Directional Valve	1			
1	8020880	Valve Compl	4			
2	8020881	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			

Valve Compt

