

Parts Manual

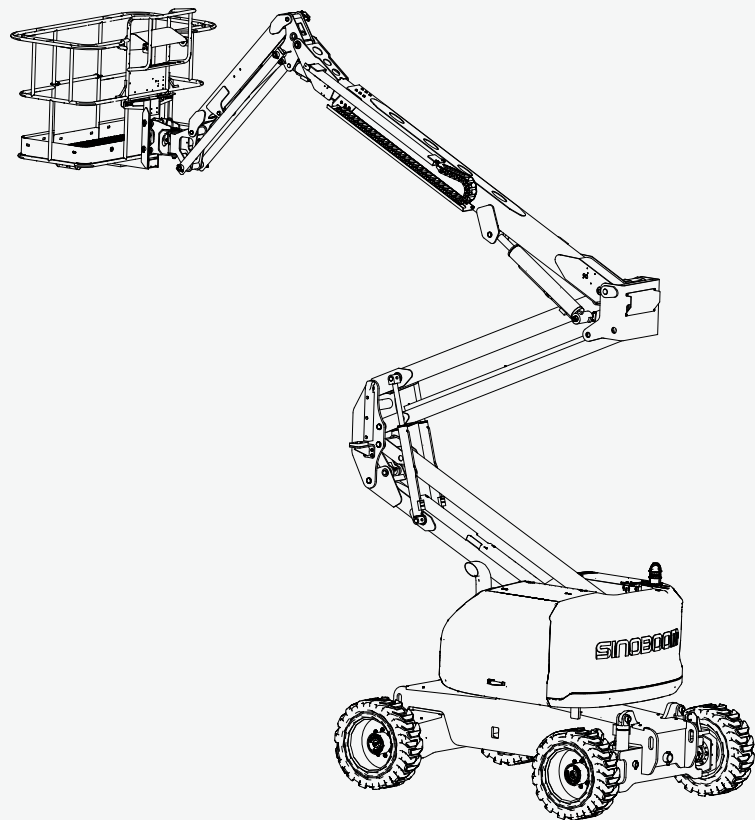
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AB15J Plus (AB15J Plus/AB480J Plus) *From 0403000100 to present*



GB CE ANSI AS/NZS SP®

SINOBOOM



WARNING

Operating, servicing and maintaining this vehicle or equipment can expose you to chemicals including engine exhaust, carbon monoxide, phthalates and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure and avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle or equipment in a well-ventilated area and wear gloves or wash your hands frequently when servicing. For more information, go to: www.P65warnings.ca.gov.

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Contact us:

Website: www.sinoboom.com.cn (China) / www.sinoboom.com (except China)

Sales Tel: 400-601-5828 (China) / 0086-0731-87116222 (except China)

Service Tel: 400-608-1289 (China) / 0086-0731-87116333 (except China)

E-mail: info@sinoboom.com (China) / sales@sinoboom.com (except China)

Address: No.128, East Jinzhou Avenue, Ningxiang High-tech Industrial Park, Changsha,
Hunan, China

Postal code: 410600

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TO USERS

Thank you for choosing and using the machine of **Hunan Sinoboom Intelligent Equipment Co., Ltd.**

This manual is intended to provide users with necessary parts information. This manual covers the basic configuration information of one or more models. Please refer to the information applicable to your machine model. When replacement parts are required, **Hunan Sinoboom Intelligent Equipment Co., Ltd** recommends that only the original or recommended parts be used. When ordering replacement parts, the complete part number and description should be used to ensure proper identification and delivery of the desired item. This complete identification should also be used when requesting equipment information.

Due to continuous improvement and upgrading of product design and different product models covered, some charts and texts in the manual may be not applicable to your machine. Our company reserves the right to revise the manual due to technical improvement, and the manual is subject to change without further notice. Please contact Sinoboom or its authorized agent for the latest manual.

Please go to www.sinoboom.com to download your desired Operation Manual, Maintenance Manual and Parts Manual. Consider this manual as a part of the machine, and always keep the manual with the machine. Without the written permission of Sinoboom, do not copy, spread, sell or alter the manual.

If you have any questions, contact **Hunan Sinoboom Intelligent Equipment Co., Ltd.**

Manual Revision History:

[illegible]

APPLICABLE MODELS

The manual applies to the following models and serial numbers:

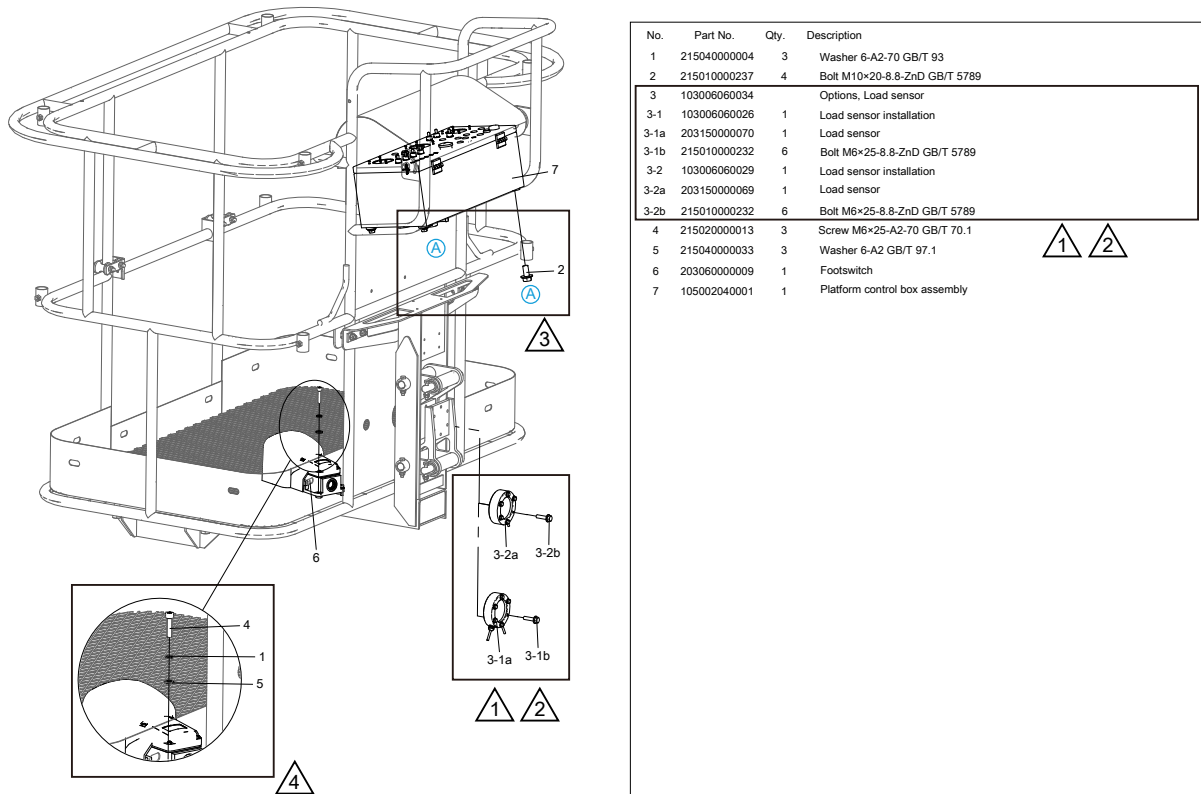
Model	Metric Trade Name	Imperial Trade Name	Serial No.
AB15J Plus	AB15J Plus	AB480J Plus	From 0403000100 to present

Note:

- Check the machine model and serial number on the machine nameplate, and whose position can be found in the **Decals Diagram** section of the Parts Manual
- Product model numbers are indicated on the nameplates to distinguish products with different main technical parameters.
- Product trade identification is indicated on marketing materials and machine decals for distinction of products with different main parameters, and can be classified as metric type and imperial type: the metric trade identification is applicable to the machines for countries/regions using metric system or as specially required by customers; the imperial trade identification is applicable to the machines for countries/regions using imperial system or as specially required by customers.

NOTE

1. The special meanings expressed in the illustrations and tables in this manual are explained as follows:



- △1 Add “-1, -2, -3.....” after the number to represents an option (one multiple choice), such as choose 3-1 and 3-2 according to specific needs.
- △2 Add “lowercase a, b, c.....” after the number to indicate a variety of components, such as 1a and 1b to make up 1.
- △3 “A, B, C.....” in figure indicates the same parts in many positions, and the same position is indicated by the same symbol.
- △4 The diagram indicated by the lead is a local enlargement or a local illustration.

2. The optional parts are not interchangeable by default, unless otherwise specified in special circumstances.

3. In the remarks of the parts list (e.g., SC:100XXXX), the 7-digit number following "SC:" represents the supplier information for the part, which can be found on the corresponding part (usually on the part nameplate or at the steel stamp location). With this information, you can then identify the required part number from multiple optional parts.

Nameplate Illustration Sample



4. If you require a specific spare part color, please note the Sinoboom code when placing your order. The corresponding Sinoboom codes for different colors can be found in the table below:

Color Description	Code	Color Description	Code	Color Description	Code
RAL2002	01	RAL7039	15	RAL4010	24
RAL7024	02	RAL1021	16	XB0003G	26
RAL7015	03	RAL7016	17	RAL9003	29
RAL5012	04	RAL110-M	19	RAL7035	30
RAL9017	07	RAL1028	20	RAL9005	31
RAL2020	08	RAL1004	21	PANTONE 2728C	32
RAL5002	12	XB0001G	22	RAL3024	33
RAL3002	14	XB0002G	23	XB0006B	34

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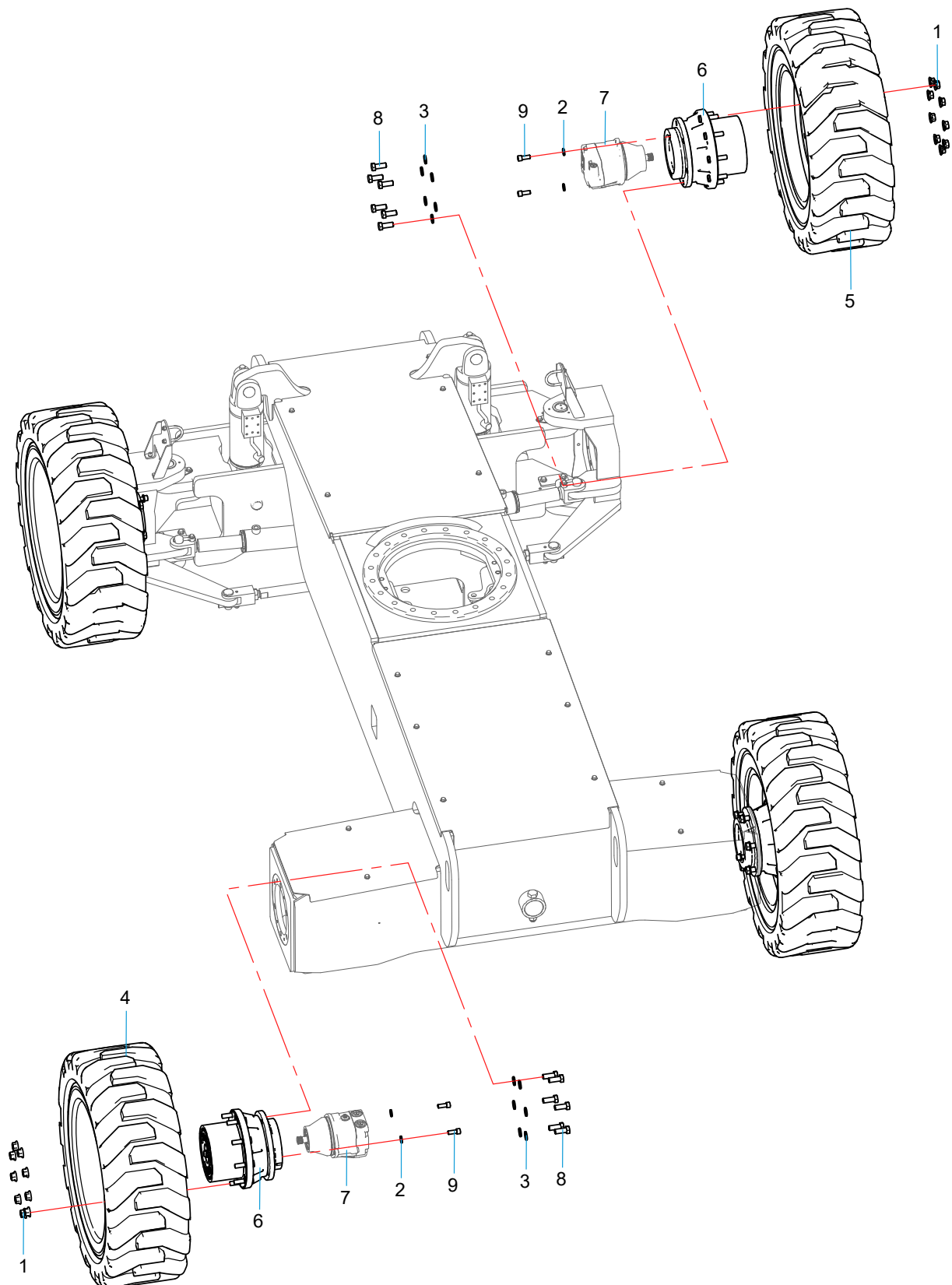
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1 CHASSIS ASSEMBLY

1.1 DRIVE INSTALLATION



No.	Part No.	Qty.	Description
1	215030000063	36	Nut M16×1.5-10-DKL DTF 6177.2
2	215040000051	8	Washer 12-DKL GB/T 1230
3	215040000039	24	Washer 16-200HV-ZnD GB/T 97.1
4	104022030002	2	Left wheel options(See details)
5	104022030001	2	Right wheel options(See details)
6	105001030100	4	Options, Reducer(See details)
7	102015053019	4	Drive motor options
7-1	202020003094	1	Drive motor(See details)
8	215010000111	24	Bolt M16×40-10.9-DKL GB/T 5783
9	215020000074	8	Screw M12×30-10.9-DKL GB/T 70.1

1.2 LEFT TIRE ASSEMBLY OPTIONS

No.	Part No.	Qty.	Description
1	104009030020	1	Tire, solid, left
2	104021033013	1	Tire assembly, foam-filled, left
3	105074033025	1	Tire assembly, foam-filled, non-marking, left
4	104021030010	1	Left tire and wheel assembly, non-marking

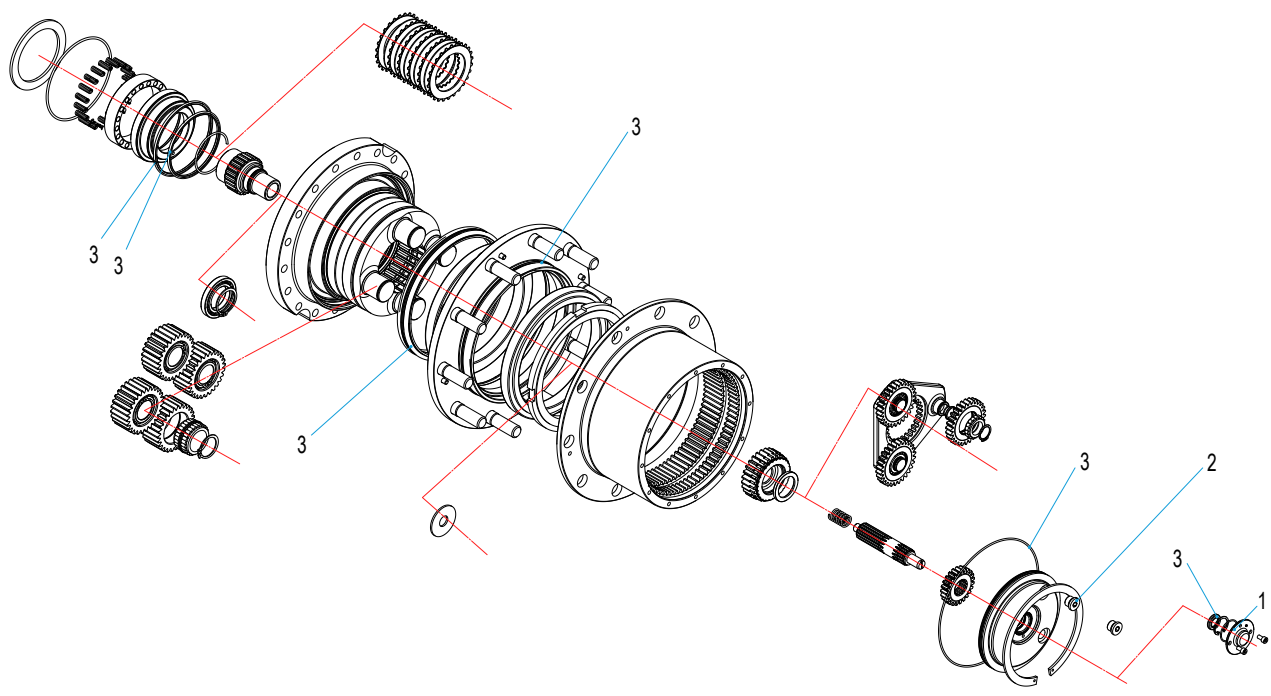
1.3 RIGHT TIRE ASSEMBLY OPTIONS

No.	Part No.	Qty.	Description
1	105074033026	1	Tire assembly, foam-filled, non-marking, right
2	104021033014	1	Tire assembly, foam-filled, right
3	104021030011	1	Right tire and wheel assembly, non-marking
4	104009030013	1	Tire, solid, right

1.4 DRIVE REDUCER OPTIONS

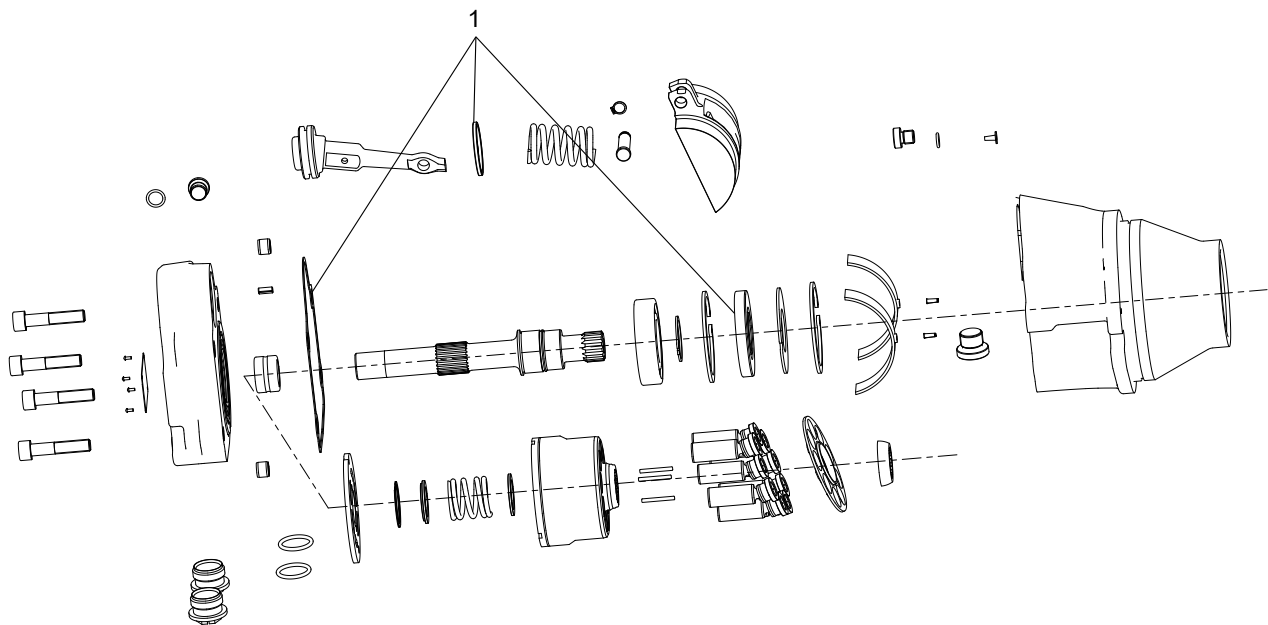
No.	Part No.	Qty.	Description
1	204020000026	1	Reducer(1000138, See later for subcomponent information)
2	204020000036	1	Planetary reducer(1000154)
2a	207990003211	1	Sealed bag
3	204020000020	1	Reducer(08.280)
4	204020000005	1	Reducer(14.066)

1.5 DRIVE REDUCER (PN.204020000026)



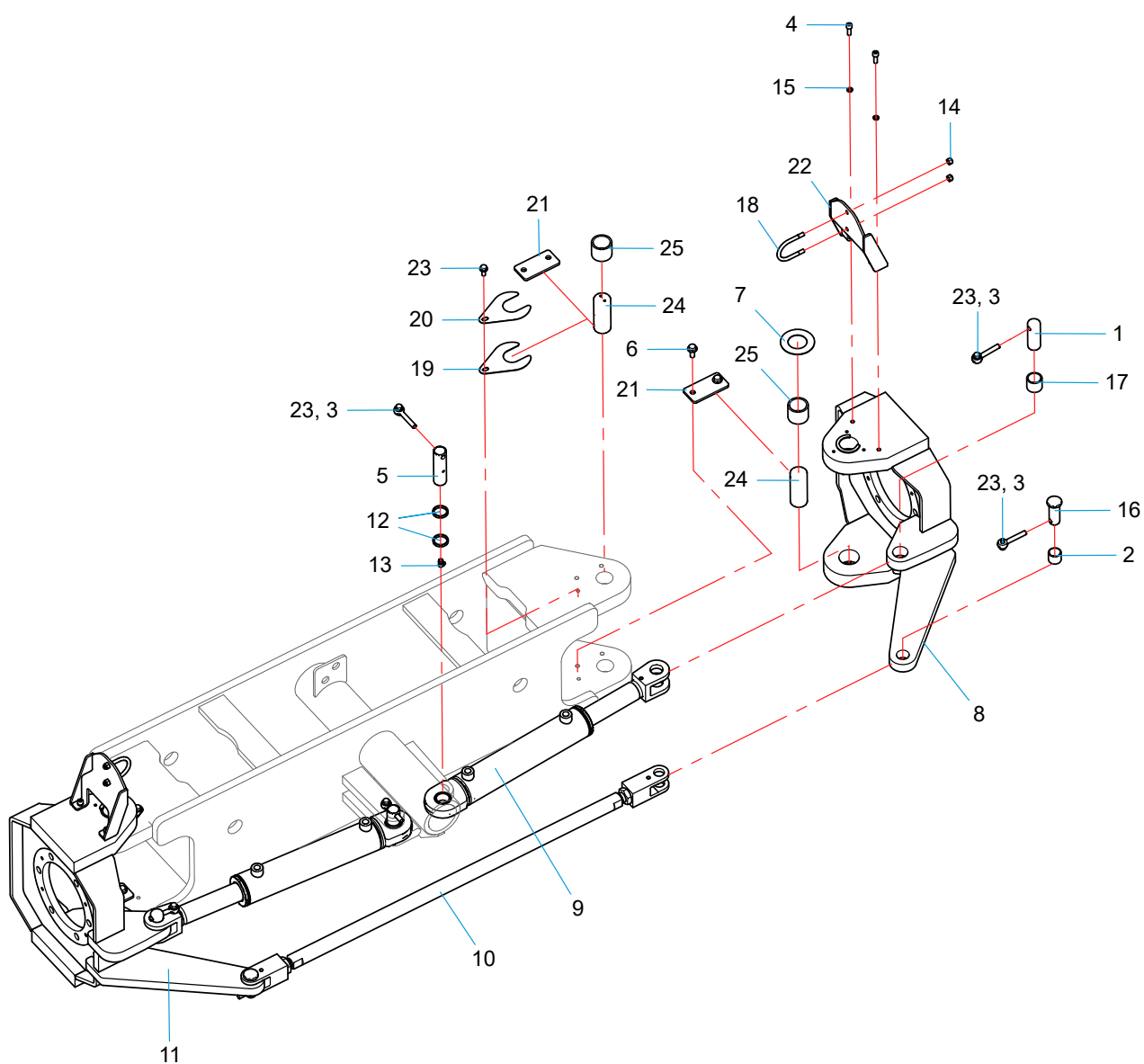
No.	Part No.	Qty.	Description
1	201990003020	1	Small end cap
2	207080003000	2	Oil plug
3	207060003012	1	Seal kit

1.6 DRIVE MOTOR (PN.202020003094)



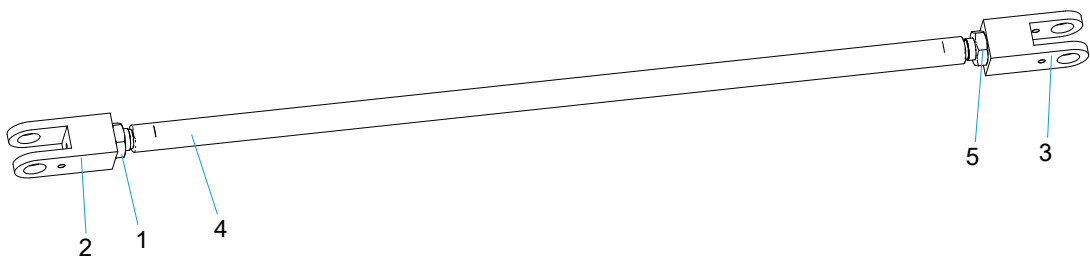
No.	Part No.	Qty.	Description
1	207990004051	1	Seal kit, Drive motor

1.7 STEER INSTALLATION



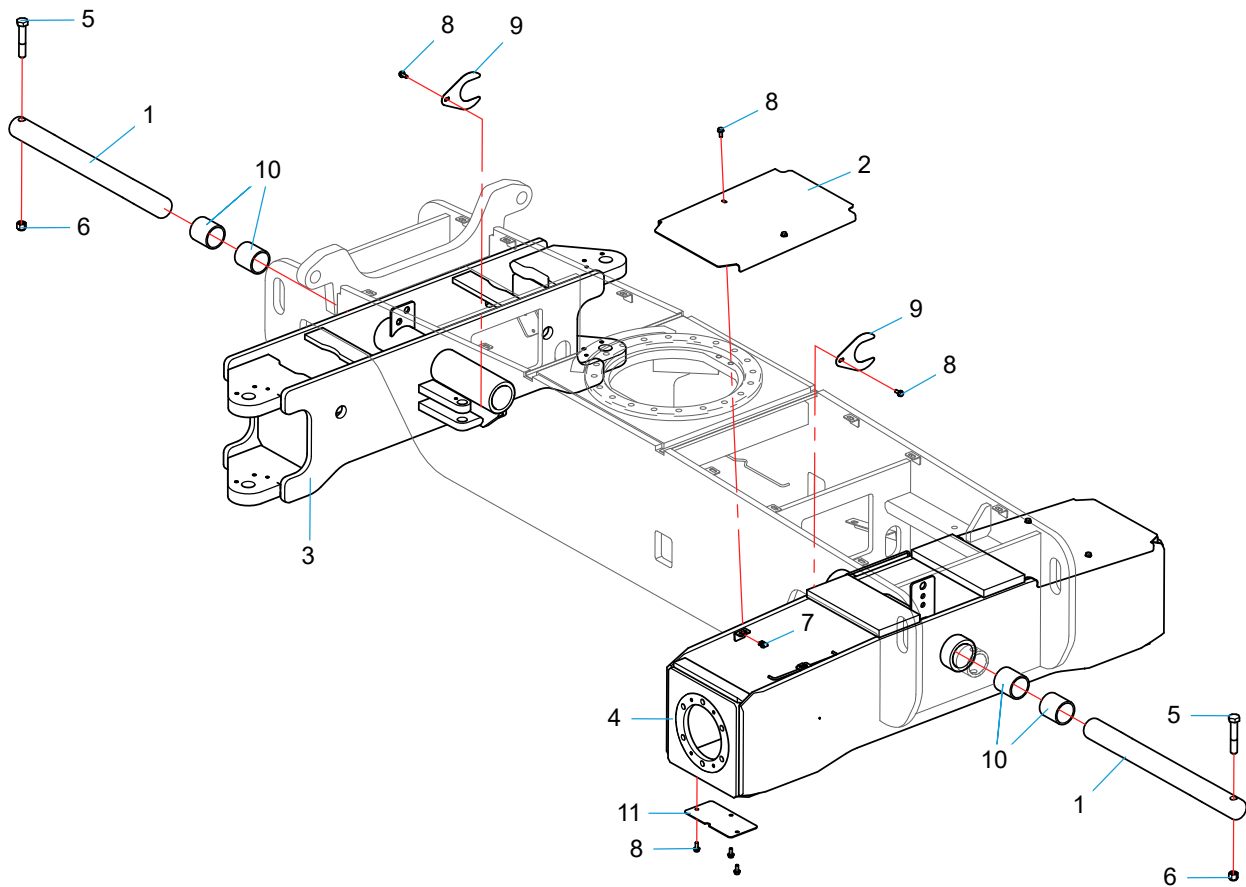
No.	Part No.	Qty.	Description
1	105001030060	2	Shaft XGΦ30-80[Z]
2	214030000035	2	Self-lubricating bearing
3	101012010044	6	Keeper pin
4	215020000024	4	Screw M8×25-8.8-ZnD GB/T 70.1
5	105001030055	2	Shaft XGΦ30-105 [Z]
6	215010000238	6	Bolt M10×25-8.8-ZnD GB/T 5789
7	105001030054	2	Washer
8	103011033049	1	Tray, Steering connection (R) [G]
9	103011053007	2	Cylinder, steer(A)
9a-1	207990003541	1	Seal kit, cylinder(SC: 1000026)
9a-2	207990003941	1	Seal kit, cylinder(SC: 1000898)
9a-3	207990003363	1	Seal kit, cylinder(SC: 1000148)
10	103011033060	1	Steer linkage(See details)
11	103011033048	1	Plate, steer connection (L) [G]
12	105001030034	4	Bush, spacer
13	207010000004	2	Grease nipple 90° M10×1 GB/T 1153
14	215030000026	4	Nut M8-8-ZnD GB/T889.1
15	215040000005	4	Washer 8-ZnD GB/T 93
16	104021033028	2	Shaft
17	214030000006	2	Self-lubricating bearing
18	104016020023	2	U-clamp
19	103008033000	2	Shim
20	103008033001	2	Shim
21	103008033055	4	Clamp Plate
22	104021030002	2	Tube Bracket
23	215010000234	8	Bolt M8×20-8.8-ZnD GB/T 5789
24	103008033056	4	Shaft XGΦ40-100[Z]
25	214030000053	4	Self-lubricating bearing

1.8 STEER LINKAGE



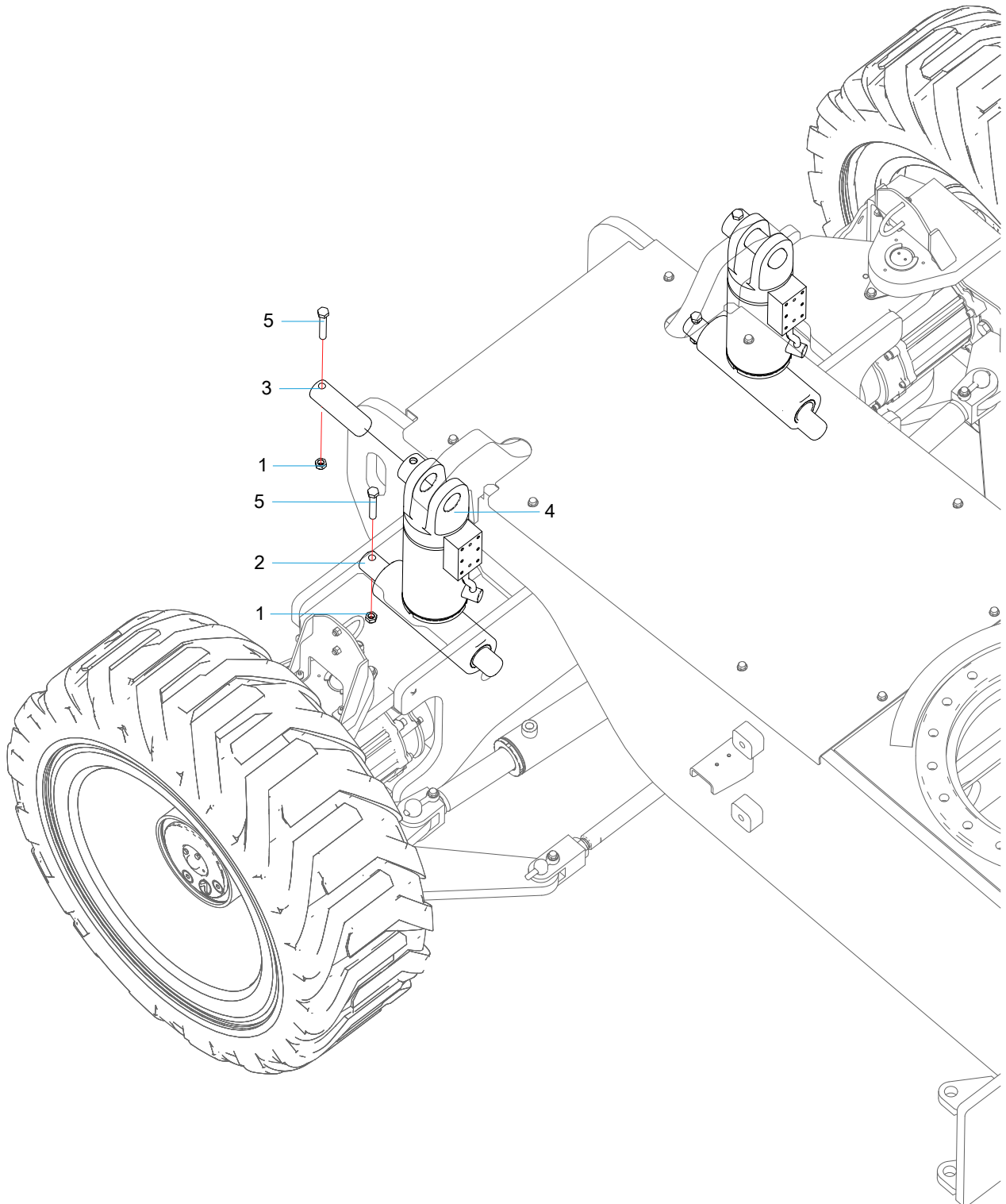
No.	Part No.	Qty.	Description
1	215030000077	1	Nut M24×2-LH-8 GB/T6173
2	102004033036	1	Head, mounting
3	102004033032	1	Head, mounting
4	103011033059	1	Rod, connecting
5	215030000076	1	Nut M24×2-8-ZnD GB/T6173

1.9 AXLE INSTALLATION



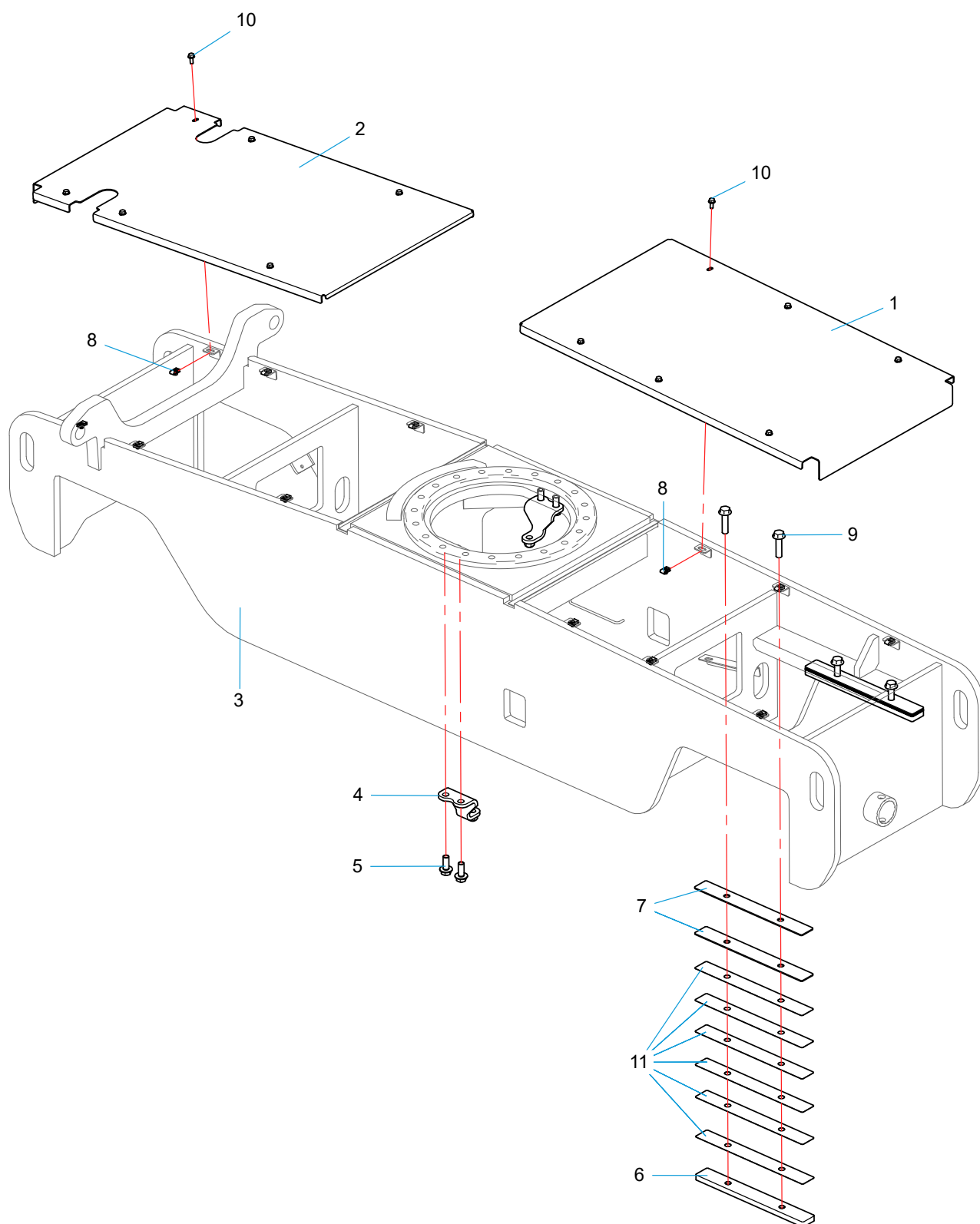
No.	Part No.	Qty.	Description
1	105001030043	2	Shaft XGΦ65-695[Z]
2	103011033064	2	Plate, cover (small)
3	103011033029	1	Axle, front [Z]
4	103011033023	1	Axle, rear [Z]
5	215010000219	2	Bolt M20×110-8.8-ZnD GB/T 5782
6	215030000098	2	Nut M20-8-ZnD GB/T 889.1
7	215030000106	4	B type spring nuts
8	215010000234	12	Bolt M8×20-8.8-ZnD GB/T 5789
9	114004033006	2	Shim
10	214030000071	4	Bearing, self-lubricating
11	103011033074	2	Plate, cover

1.10 OSCILLATE CYLINDER INSTALLATION



No.	Part No.	Qty.	Description
1	215030000029	4	Nut M12-8-ZnD GB/T 6184
2	103008030060	2	Shaft XGΦ40-340[Z]
3	104008030005	2	Shaft XGΦ40-125[Z]
4	105001030077	2	Cylinder, support(C)
4a	207990003892	1	Seal kit, cylinder
5	215010000106	4	Bolt M12×70-8.8-ZnD GB/T 5783

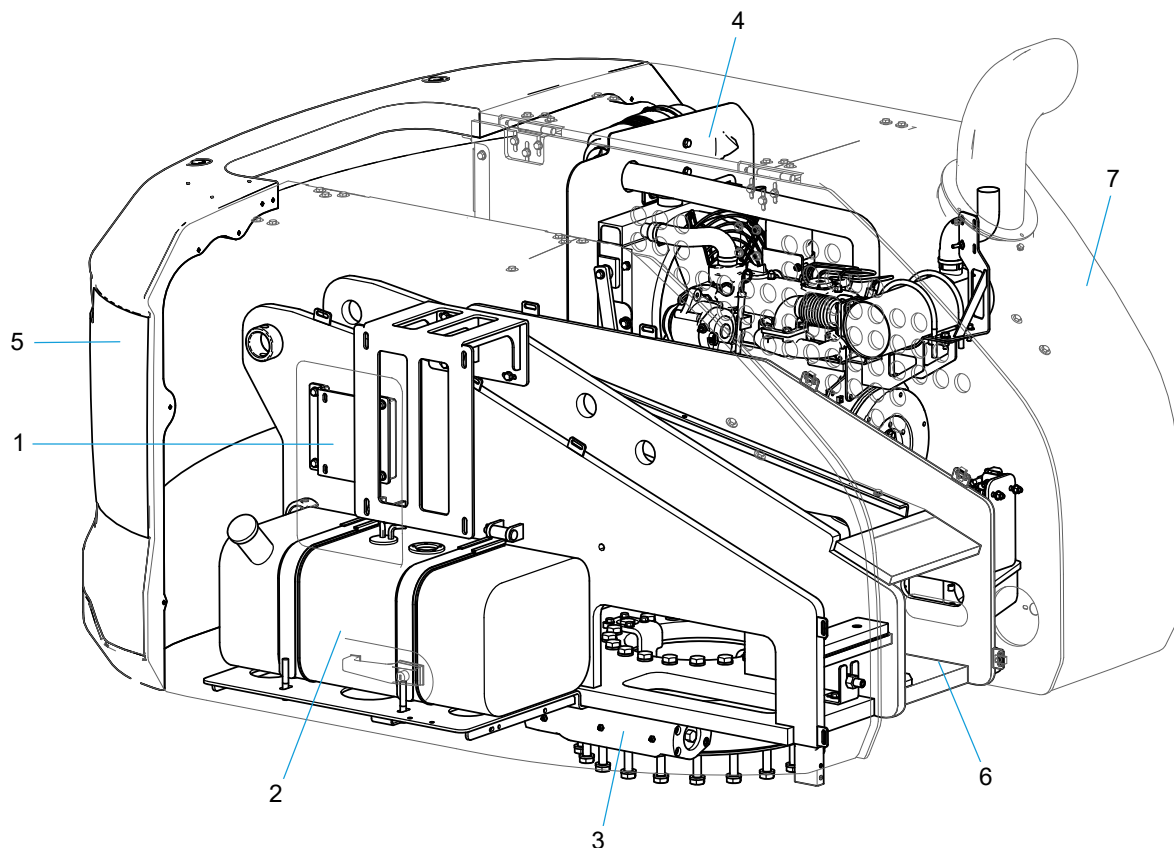
1.11 CHASSIS ACCESSORY INSTALLATION



No.	Part No.	Qty.	Description
1	105084033060	1	Plate, cover
2-1	103011033071	1	Plate, cover(Continuous rotation specs)
2-2	104030030010	1	Cover(Non-continuous rotation specs)
3-1	105084033010	1	Chassis [Z](Continuous rotation specs)
3-2	104030030011	1	Chassis[Z](Non-continuous rotation specs)
4	105084033036	2	Bracket, rotary coupler(Continuous rotation specs)
5	215010000276	4	Bolt M16×40-8.8-ZnD GB/T 5789(Continuous rotation specs)
6	105031030026	2	Plate, backing
7	103008033057	4	Pad, adjusting
8	215030000106	12	B type spring nuts
9	215010000225	4	Bolt M16×65-10.9-DKL GB/T 5789
10	215010000234	12	Bolt M8×20-8.8-ZnD GB/T 5789
11	105031030011	12	Pad, adjusting

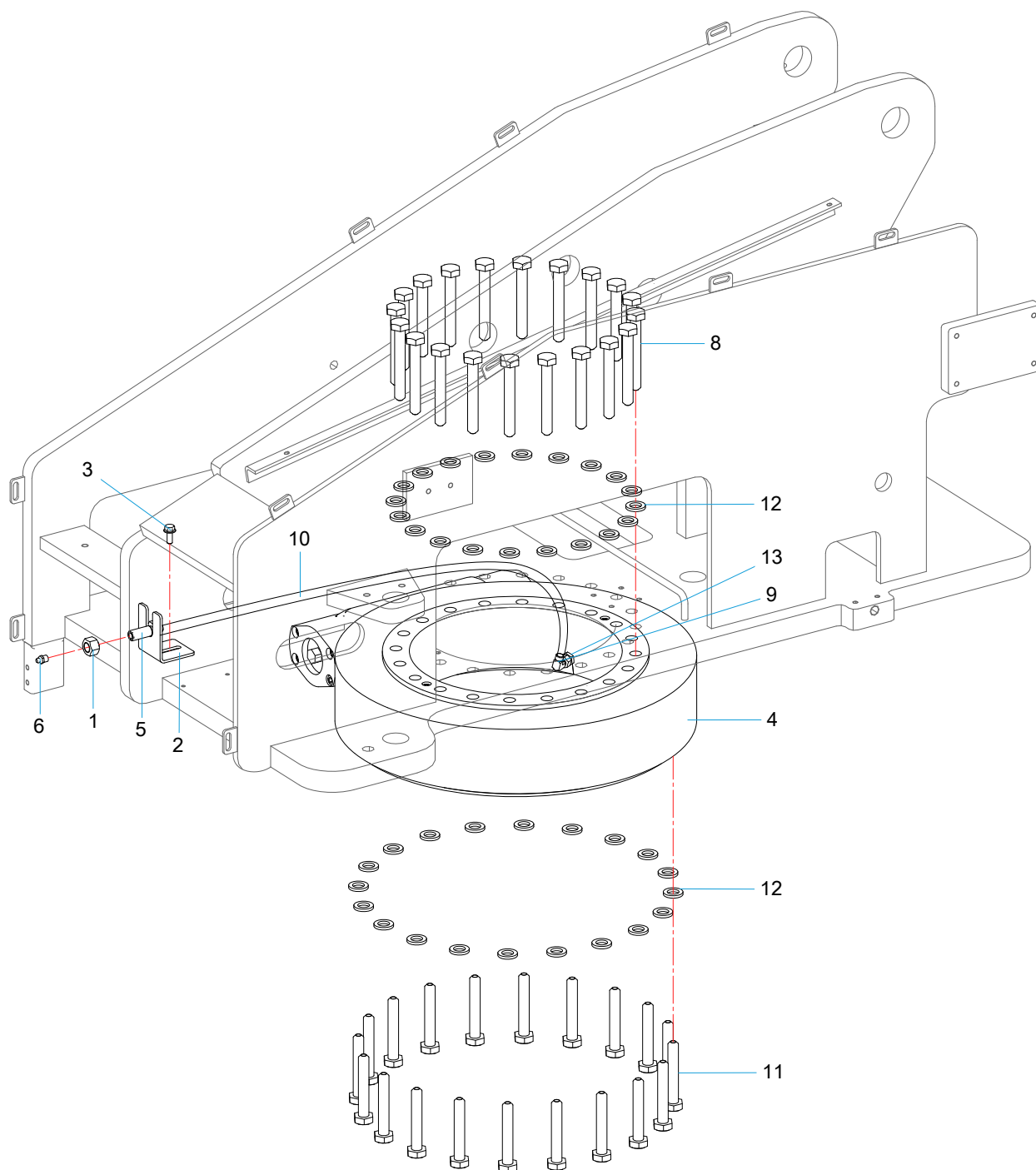
2 TURNTABLE ASSEMBLY

2.1 TURNTABLE ASSEMBLY



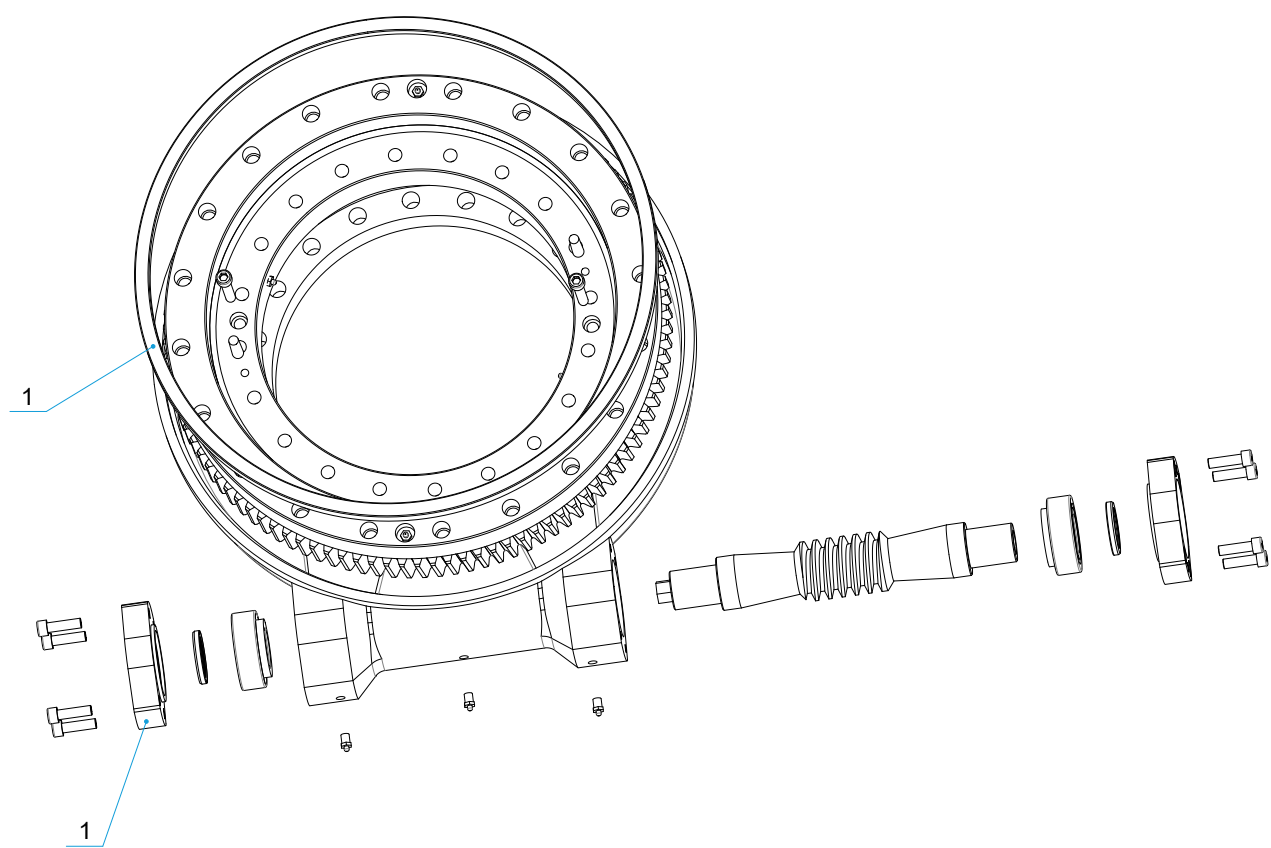
No.	Part No.	Qty.	Description
1-1	104030020103	1	Attachment assembly(Continuous rotation config)
1-2	104030020102		Attachment assembly(Non-continuous rotation config)
2	104030020099	1	Fuel tank assembly
3	104030020126	1	Slewing mechanism
4	104030020108		Engine options
4-1	104030020093	1	Kubota engine installation(D1105)
5	104030020058		Options,Counterweight
6	104030020098	1	Turnable weldment assembly[Z]
7	104030020104	1	Turnable cover assembly

2.2 SLEWING MECHANISM



No.	Part No.	Qty.	Description
1	215030000010	1	Nut M16-8-ZnD GB/T 6170
2	105001020226	1	Plate
3	215010000234	1	Bolt M8×20-8.8-ZnD GB/T 5789
4	103011023072		OPT, reducer (slewing)
4-1	204020000015	1	Reducer, slewing(SC: 1000111 or 1000123, see later for subcomponent information)
4-2	204020000045	1	Reducer, slewing(SC: 1000875, see later for subcomponent information)
5	105001020225	1	Fitting
6	207010000003	1	Grease nipple M10×1 GB/T 1152
7	305140000001	1	Threadlocker, Locktite(Not shown)
8	215010000154	20	Bolt M16×120-10.9-DKL GB/T 1228
9	213010000205	1	Coupler
10	213050011174	1	Hose
11	215010000152	20	Bolt M16×100-10.9-DKL GB/T 1228
12	215040000052	40	Washer 16-DKL GB/T 1230
13	213010000060	1	Coupler

2.3 SLEWING REDUCER (PN.204020000015)-1000123

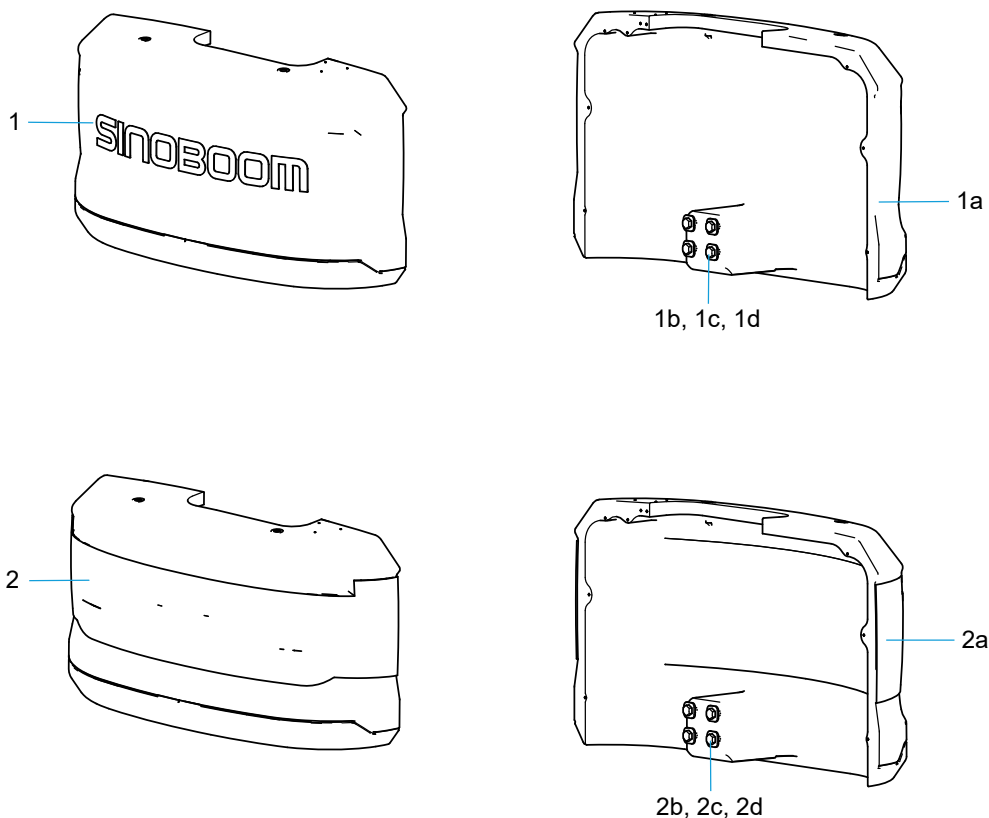


No.	Part No.	Qty.	Description
1	204120003016	1	Service kit, seal (slewing reducer)

2.4 SLEWING REDUCER (PN.204020000045)

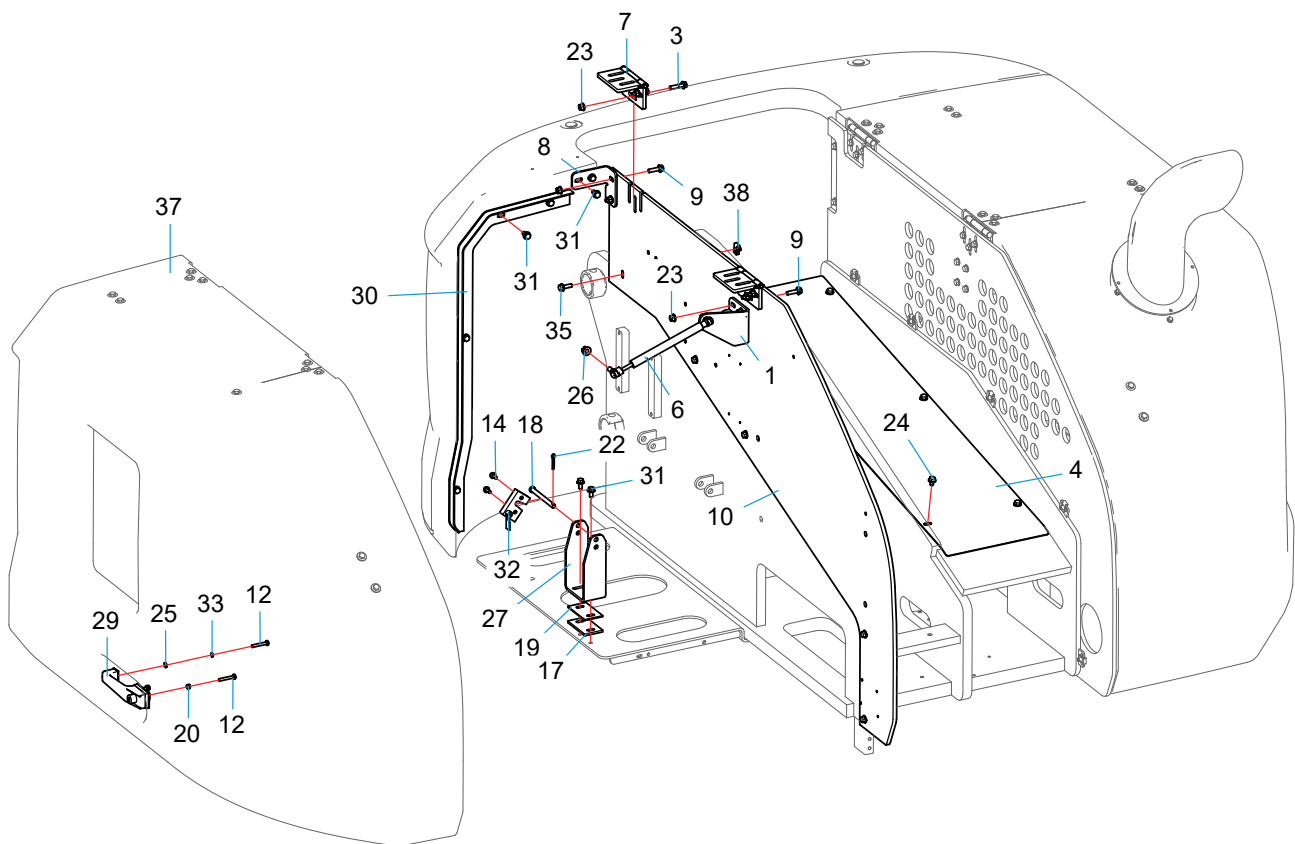
No.	Part No.	Qty.	Description
1	204120003017	1	Service kit, seal (slewing reducer)

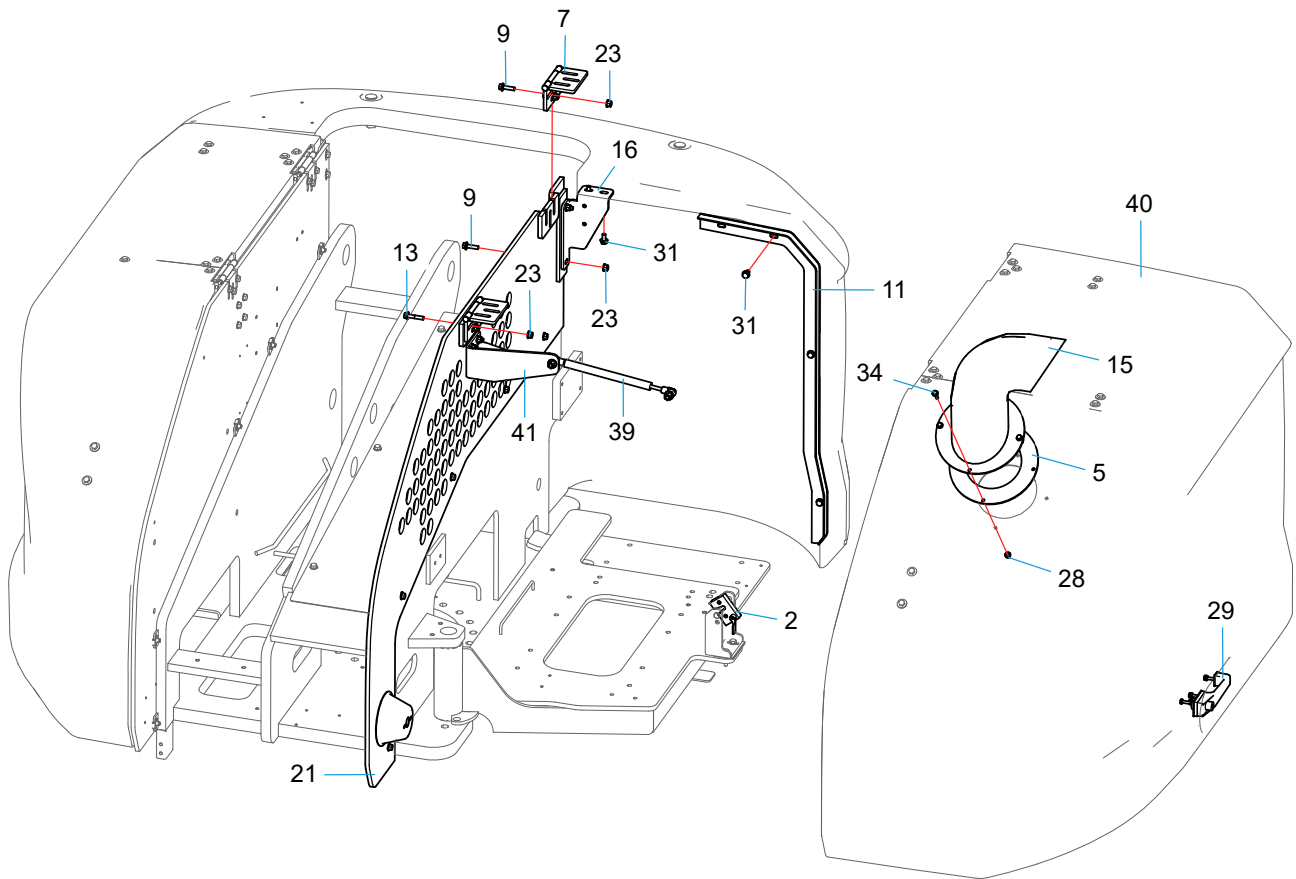
2.5 COUNTERWEIGHT OPTIONS



No.	Part No.	Qty.	Description
1	104030020057	1	Counterweight installation(With SINOBOOM logo)
1a	104021020012	1	Counterweight[Z](With SINOBOOM logo)
1b	213060003001	2	Hole plug
1c	105001020138	4	Pad
1d	215010000164	4	Bolt M24×70-8.8-ZnD GB/T 5783
2	104030020059	1	Counterweight installation(Without SINOBOOM logo)
2a	104021023019	1	Counterweight[Z](Without SINOBOOM logo)
2b	105001020138	4	Pad
2c	213060003001	2	Hole plug
2d	215010000164	4	Bolt M24×70-8.8-ZnD GB/T 5783

2.6 TURNTABLE COVER INSTALLATION

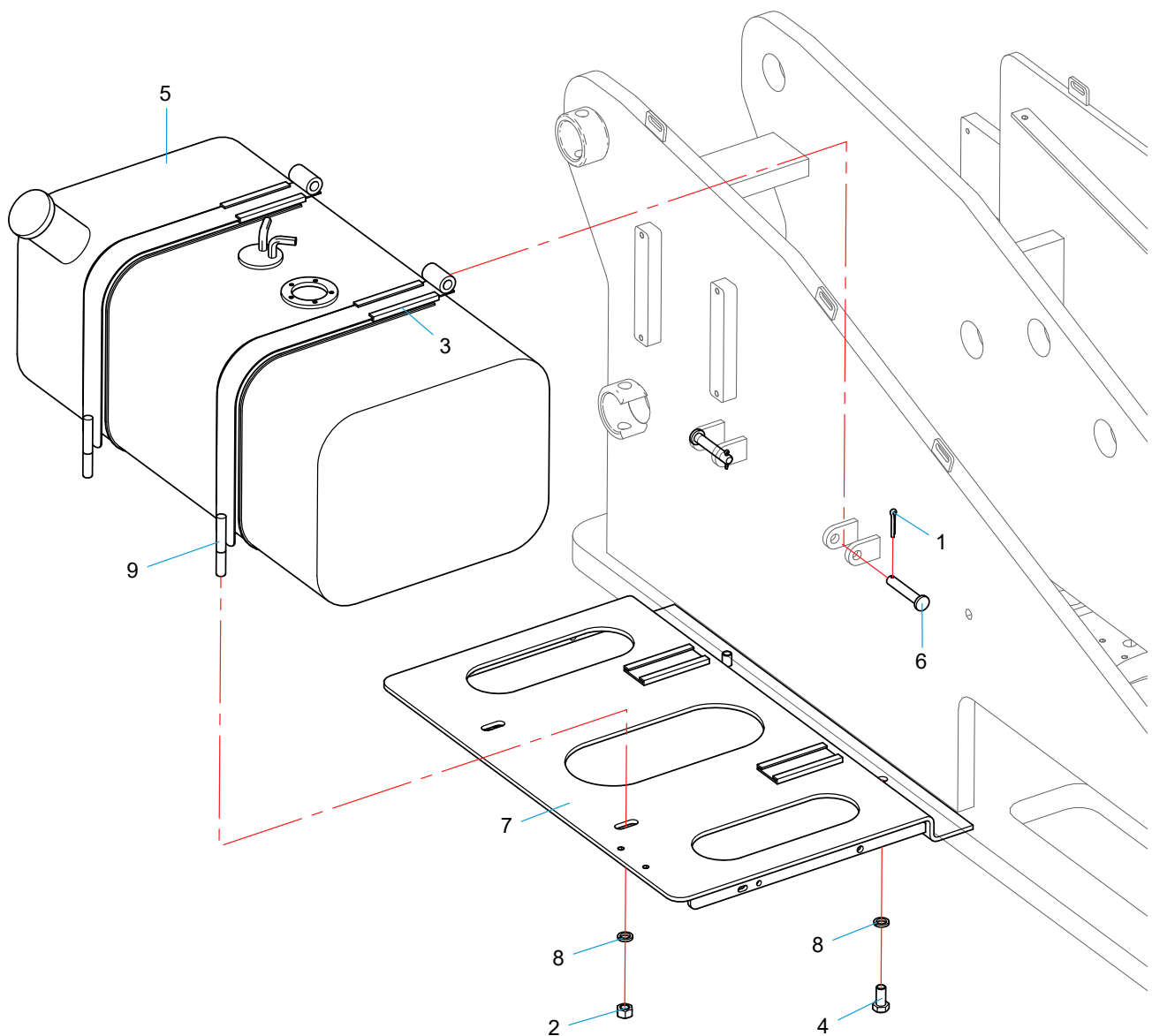




No.	Part No.	Qty.	Description
1	104021020031	1	Bracket, gas strut (L)
2	209050000002	1	Latch, right
3	215010000296	6	Bolt M8×35-8.8 ZnD GB/T 5789
4	104030020064	1	Cover plate
5	104021020060	1	Plate, bottom
6	210010000098	1	Gas strut
7	105001020118	4	Hinge
8	104021020001	1	Bracket
9	215010000236	15	Bolt M8×30-8.8-ZnD GB/T 5789
10	104030020073	1	Side plate
11	104030020116	1	Bracket
12	215010000054	8	Bolt M6×40-A2-70 GB/T 5783
13	215010000297	3	Bolt M8×40-8.8 ZnD GB/T 5789
14	215010000230	4	Bolt M6×16-8.8-ZnD GB/T 5789
15	104021020062	1	Weldment, exhaust elbow
16	104016020011	1	Bracket
17	103003020073	1	Adjusting pad
18	105017020107	1	Clevis pin XJΦ10-115

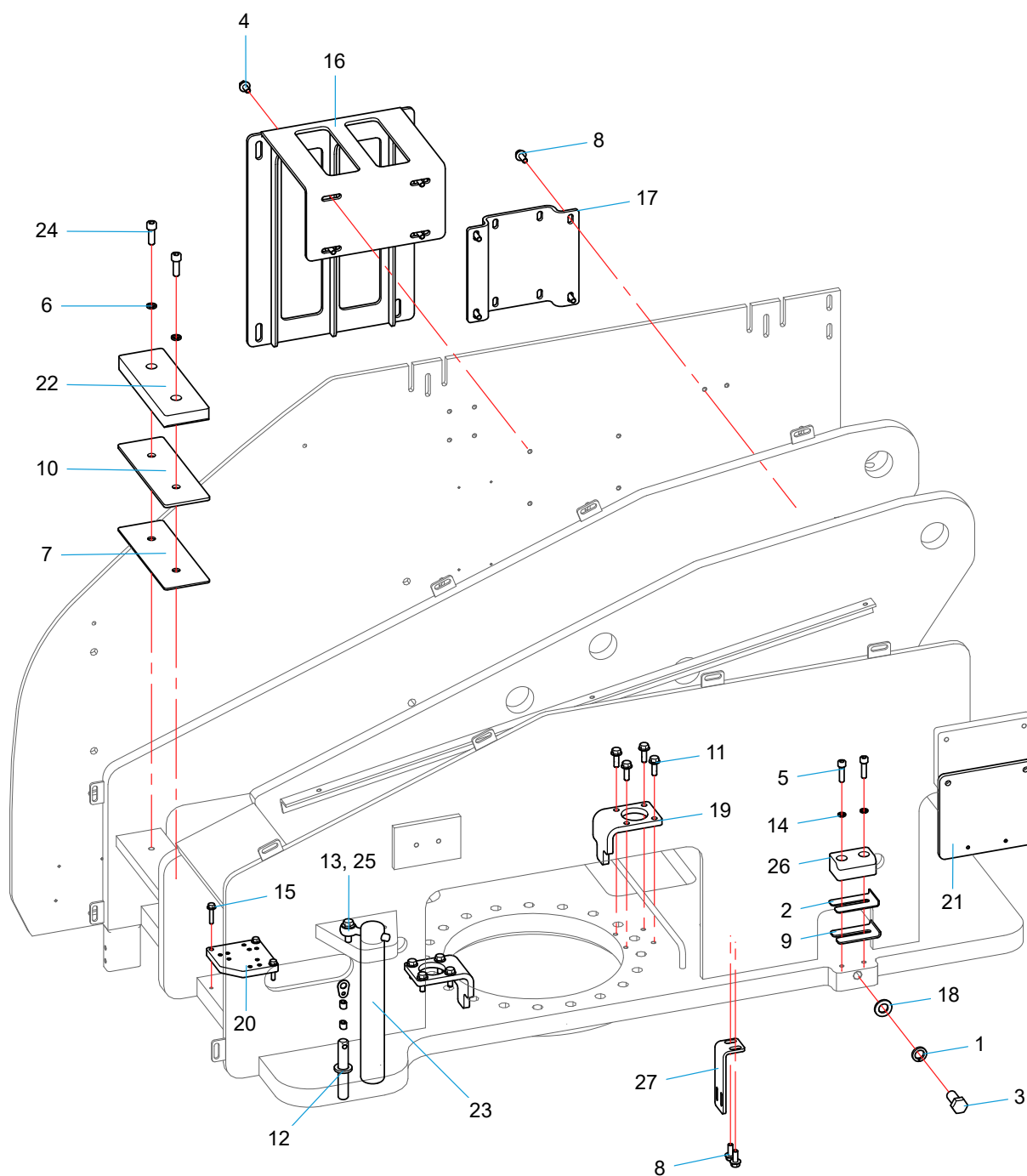
No.	Part No.	Qty.	Description
19	103003020076	1	Adjusting pad
20	215030000004	2	Nut M6-A2-70 GB/T 6170
21	104030020113	1	Plate, side (R)
22	215060000003	1	Pin 3.2×16-ZnD GB/T 91
23	215030000108	24	Nut M8-8-ZnD GB/T 6183.1
24	215010000233	6	Bolt M8×12-8.8-ZnD GB/T 5789
25	215040000033	6	Washer 6-A2 GB/T 97.1
26	215030000109	4	Nut M10-8-ZnD GB/T 6183.1
27	104021020021	1	Bracket
28	215030000107	4	Nut M6-8-ZnD GB/T 6183.1
29	209030000009	2	Lock handle
30	104021020027	1	Bracket
31	215010000286	13	Bolt M8×16-8.8-ZnD GB/T 5789
32	209050000003	1	Latch, left
33	215040000004	6	Washer 6-A2-70 GB/T 93
34	215010000232	4	Bolt M6×25-8.8-ZnD GB/T 5789
35	215010000235	10	Bolt M8×25-8.8-ZnD GB/T 5789
36	216030000004	1	Seal strip(Not shown)
37	104021020006	1	Turnable cover
38	215030000106	10	B type spring nuts
39	210010000049	1	Gas strut
40	104021020046	1	Turnable cover
41	104021020034	1	Bracket, gas strut (R)

2.7 FUEL TANK INSTALLATION



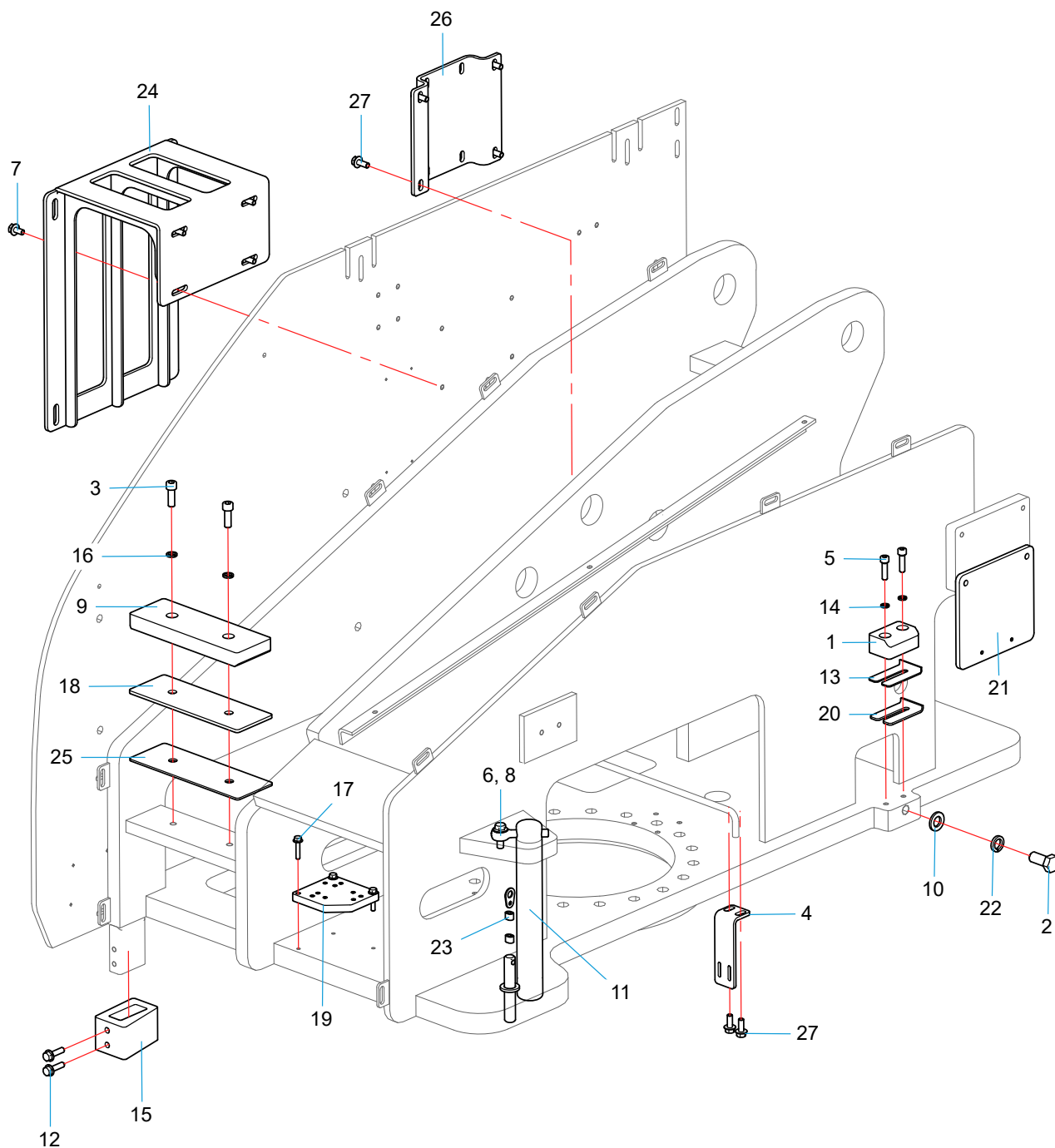
No.	Part No.	Qty.	Description
1	215060000003	2	Pin 3.2×16-ZnD GB/T 91
2	215030000008	2	Nut M12-8-ZnD GB/T 6170
3	216030000023	4	Double U-typed clamp
4	215010000089	2	Bolt M12×25-8.8-ZnD GB/T 5783
5	104015020009	1	Tank, fuel
6	215060000034	2	Clevis pin B12×70-ZnD GB/T 882
7	104021020014	1	Bottom plate, oil tank
8	215040000007	4	Washer 12-ZnD GB/T 93
9	104015020011	2	Safety belt

2.8 TURNTABLE ACCESSORY INSTALLATION (CONTINUOUS ROTATION CONFIG)



No.	Part No.	Qty.	Description
1	215040000008	1	Washer 16-ZnD GB/T 93
2	104009020066	1	Shim
3	215010000109	1	Bolt M16×35-8.8-ZnD GB/T 5783
4	215010000286	4	Bolt M8×16-8.8-ZnD GB/T 5789
5	215020000025	2	Screw M8×30-8.8-ZnD GB/T 70.1
6	215040000006	2	Washer 10-ZnD GB/T 93
7	104009020159	1	Shim
8	215010000234	6	Bolt M8×20-8.8-ZnD GB/T 5789
9	104009020068	1	Shim
10	104009020158	1	Shim
11	215010000235	8	Bolt M8×25-8.8-ZnD GB/T 5789
12	105001020178	1	Safety pin
13	215010000239	1	Bolt M10×30-8.8-ZnD GB/T 5789
14	215040000005	2	Washer 8-ZnD GB/T 93
15	215010000282	3	Bolt M6×30-8.8-ZnD GB/T 5789
16	104021020082	1	Bracket
17	104009020069	1	Bracket
18	215040000039	1	Washer 16-200HV-ZnD GB/T 97.1
19	105084023031	2	Plate
20	105074023184	1	Plate
21	104030020124	1	Plate
22	104009020074	1	Block
23	104009020077	1	Pin XGΦ40-295[Z]
24	215020000050	2	Screw M10×30-8.8-ZnD GB/T 70.1
25	209020000002	1	Pin
26	104009020075	1	Block
27	104009020071	1	Plate, folded

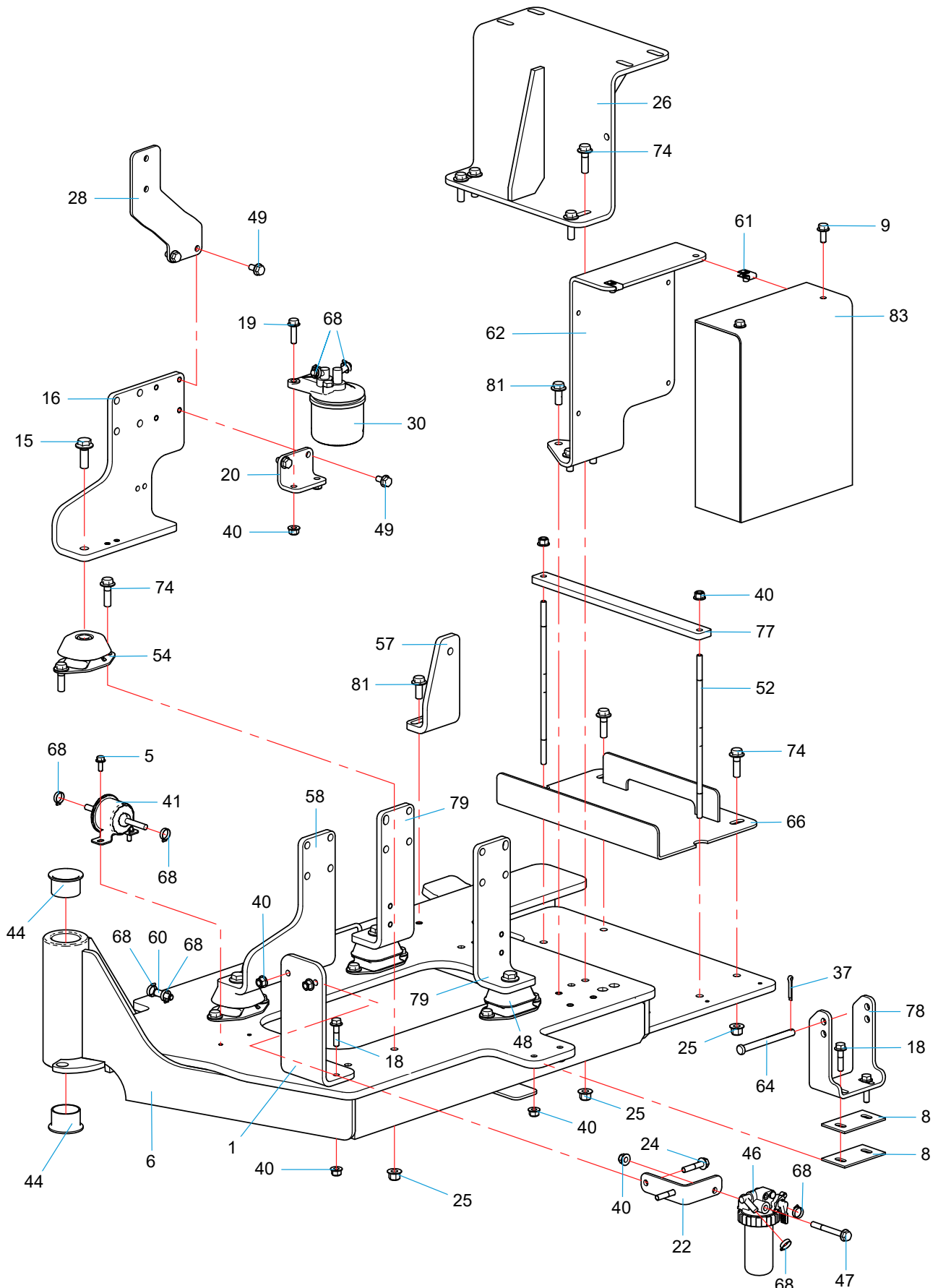
2.9 TURNTABLE ACCESSORY INSTALLATION (NON-CONTINUOUS ROTATION CONFIG)

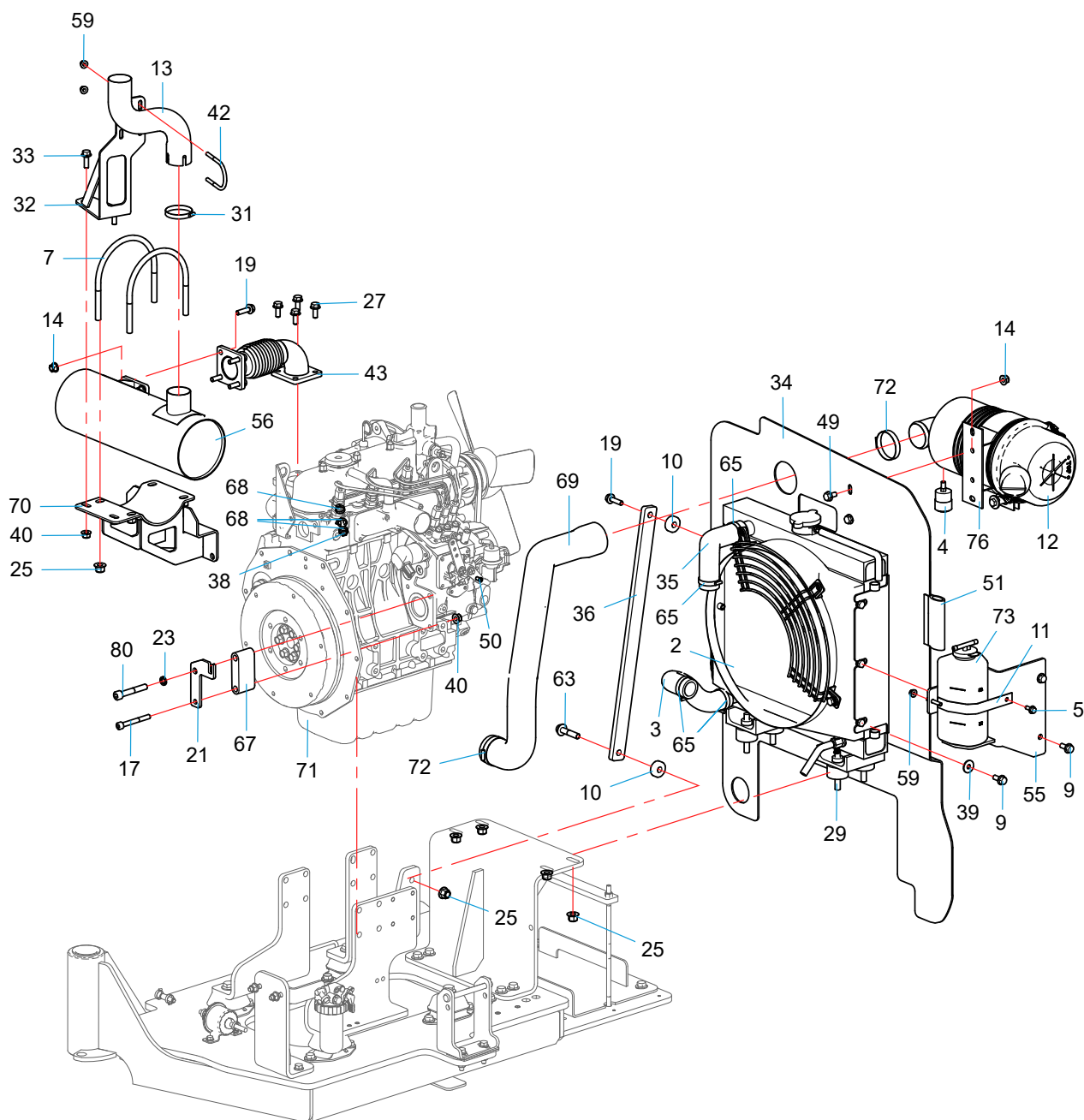


No.	Part No.	Qty.	Description
1	104009020075	1	Block
2	215010000109	1	Bolt M16×35-8.8-ZnD GB/T 5783
3	215020000050	2	Screw M10×30-8.8-ZnD GB/T 70.1
4	104009020071	1	Plate, folded
5	215020000025	2	Screw M8×30-8.8-ZnD GB/T 70.1
6	215010000239	1	Bolt M10×30-8.8-ZnD GB/T 5789
7	215010000286	4	Bolt M8×16-8.8-ZnD GB/T 5789
8	209020000002	1	Pin
9	104009020074	1	Block
10	215040000039	1	Washer 16-200HV-ZnD GB/T 97.1
11	104009020077	1	Pin XGΦ40-295[Z]
12	215010000236	2	Bolt M8×30-8.8-ZnD GB/T 5789
13	104009020066	1	Shim
14	215040000005	2	Washer 8-ZnD GB/T 93
15	104009020079	1	block
16	215040000006	2	Washer 10-ZnD GB/T 93
17	215010000282	3	Bolt M6×30-8.8-ZnD GB/T 5789
18	104009020158	1	Shim
19	105074023184	1	Plate
20	104009020068	1	Shim
21	104030020124	1	Plate
22	215040000008	1	Washer 16-ZnD GB/T 93
23	105001020178	1	Safety pin
24	104021020082	1	Bracket
25	104009020159	1	Shim
26	104009020069	1	Bracket
27	215010000234	6	Bolt M8×20-8.8-ZnD GB/T 5789

3 ENGINE ASSEMBLY

3.1 KUBOTA ENGINE INSTALLATION (D1105)



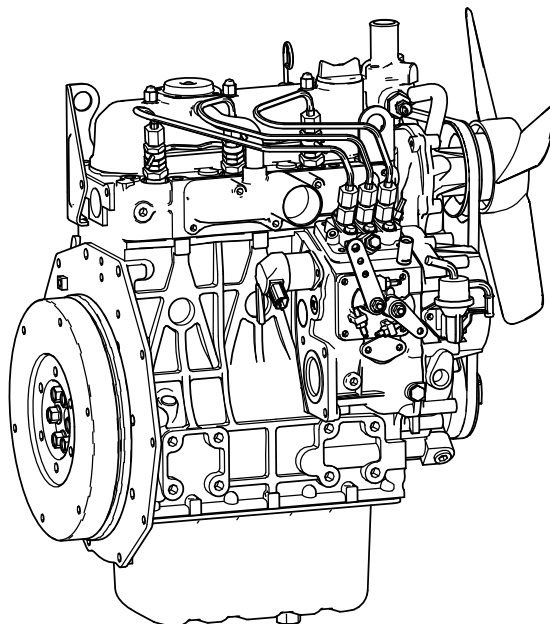


No.	Part No.	Qty.	Description
1	105084023119	1	Bracket
2	201040000016	1	Radiator
3	102004030085	1	Tube, Water Inlet
4	201020000011	1	Indicator
5	215010000230	3	Bolt M6×16-8.8-ZnD GB/T 5789
6	104030020081	1	Mount, engine
7	104031020026	2	U-clamp
8	103003020076	2	Adjusting pad
9	215010000234	7	Bolt M8×20-8.8-ZnD GB/T 5789
10	105084023127	2	Support plate
11	102004030272	1	Strap, fixing
12	201020003075	1	Air filter
13	104030020139	1	Exhaust bend
14	215030000121	6	Nut M8-10-ZnD GB/T 6183.1
15	215010000270	4	Bolt M12×35-10.9-DKL GB/T 5789
16	105084023181	1	Support plate,right rear
17	215020000041	1	Screw M8×70-8.8-ZnD GB/T 70.1
18	215010000296	4	Bolt M8×35-8.8 ZnD GB/T 5789
19	215010000236	7	Bolt M8×30-8.8-ZnD GB/T 5789
20	104030020084	1	Plate
21	102004030054	1	Plate
22	105084180001	1	Plate, bending
23	215040000006	1	Washer 10-ZnD GB/T 93
24	215010000297	2	Bolt M8×40-8.8 ZnD GB/T 5789
25	215030000109	24	Nut M10-8-ZnD GB/T 6183.1
26	104030020090	1	Support
27	215010000264	4	Bolt M8×20-10.9-DKL GB/T 5789
28	102004030296	1	Plate
29	216030000002	4	Water tank shock pad
30	201050000002	1	Diesel precision filter
31	216020000003	1	Clamp
32	104031020153	1	Support
33	215010000235	2	Bolt M8×25-8.8-ZnD GB/T 5789
34	104030020083	1	Wind board
35	102004030069	1	Pipe, water outlet
36	105084023169	1	Support bar
37	215060000003	1	Pin 3.2×16-ZnD GB/T 91
38	104030020109	1	Reducing coupler
39	215040000015	3	Washer 8-200HV-ZnD GB/T 96.1

No.	Part No.	Qty.	Description
40	215030000108	16	Nut M8-8-ZnD GB/T 6183.1
41	201050003012	1	Electric feed pump
42	105054023043	1	U-clamp
43	201030003041	1	Exhaust tube
44	214030000015	2	Bearings 40×44×30 SF-LF
45	213050000096	1	Fuel pipe(Not shown)
46	201050000003	1	Fuel-water separator
47	215010000317	1	Bolt M8×70-8.8-ZnD GB/T 5789
48	216040003010	2	Shock pad
49	215010000286	6	Bolt M8×16-8.8-ZnD GB/T 5789
50	104021023056	1	sleeve
51	207070000003	1	Rubber sealing strip
52	103008023013	2	Rod, tie
53	213050000095	1	Fuel pipe(Not shown)
54	216040003007	2	Shock pad
55	102004030269	1	Bracket
56	201030003042	1	Muffler
57	104030020135	1	Folded plate
58	105084023182	1	Support plate, left rear
59	215030000107	3	Nut M6-8-ZnD GB/T 6183.1
60	104020023104	1	Reducing coupler
61	215030000106	2	B type spring nuts
62	104030020142	1	Folded plate
63	215010000246	1	Bolt M10×45-8.8 ZnD GB/T 5789
64	105017020107	1	Clevis pin XJΦ10-115
65	216020000014	4	Clamp
66	104030020107	1	Bracket
67	102004030237	1	Nylon block
68	216020000004	11	Clamp
69	104030020145	1	Tube
70	104031020178	1	Bracket
71	201010000004	1	Kubota engine
72	216020000002	2	Clamp
73	201040000017	1	Expansion tank
74	215010000248	15	Bolt M10x35-8.8 ZnD GB/T 5789
75	213050000085	1	Fuel pipe(Not shown)
76	201020003076	1	Air filter support
77	103008023012	1	plate

No.	Part No.	Qty.	Description
78	104021020020	1	Bracket
79	105084023183	2	Support plate, front
80	215020000270	1	Screw M10×1.25×65-8.8-ZnD GB/T 70.1
81	215010000238	4	Bolt M10×25-8.8-ZnD GB/T 5789
82	305140000001	1	Threadlocker, Locktite(Not shown)
83	104030020144	1	Cover

3.2 KUBOTA ENGINE ASSEMBLY D1105-E4B-EU-X1 (PN.201010000004)

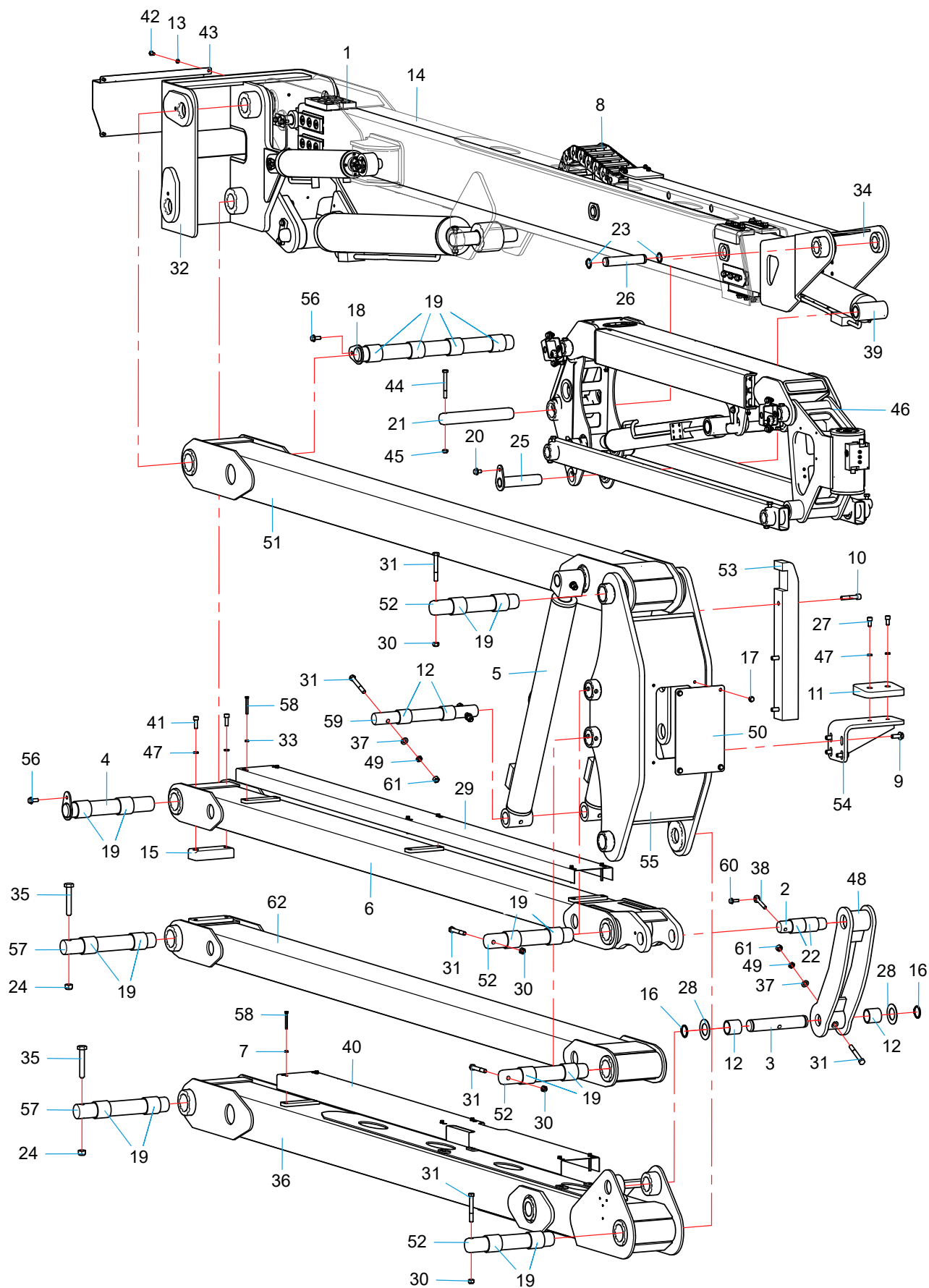


No.	Part No.	Qty.	Description
1	201050000002	1	Diesel precision filter
2	201990003209	1	KUBOTA , diesel filter
3	201050000003	1	Fuel-water separator
4	201020003064	1	Air filter element
5	201990003208	1	KUBOTA , engine oil filter
6	201990003206	1	KUBOTA , starting motor
7	201990003215	1	KUBOTA , thermostat
8	201990003210	1	KUBOTA , Generator
9	201990003216	1	KUBOTA , pump , water
10	201990003212	1	KUBOTA , fan
11	201990003211	1	KUBOTA , pulley
12	201990003214	1	KUBOTA , Switch , oil
13	201990003213	1	KUBOTA , thermoswitch
14	201990003207	1	KUBOTA , belt

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4 BOOM ASSEMBLY

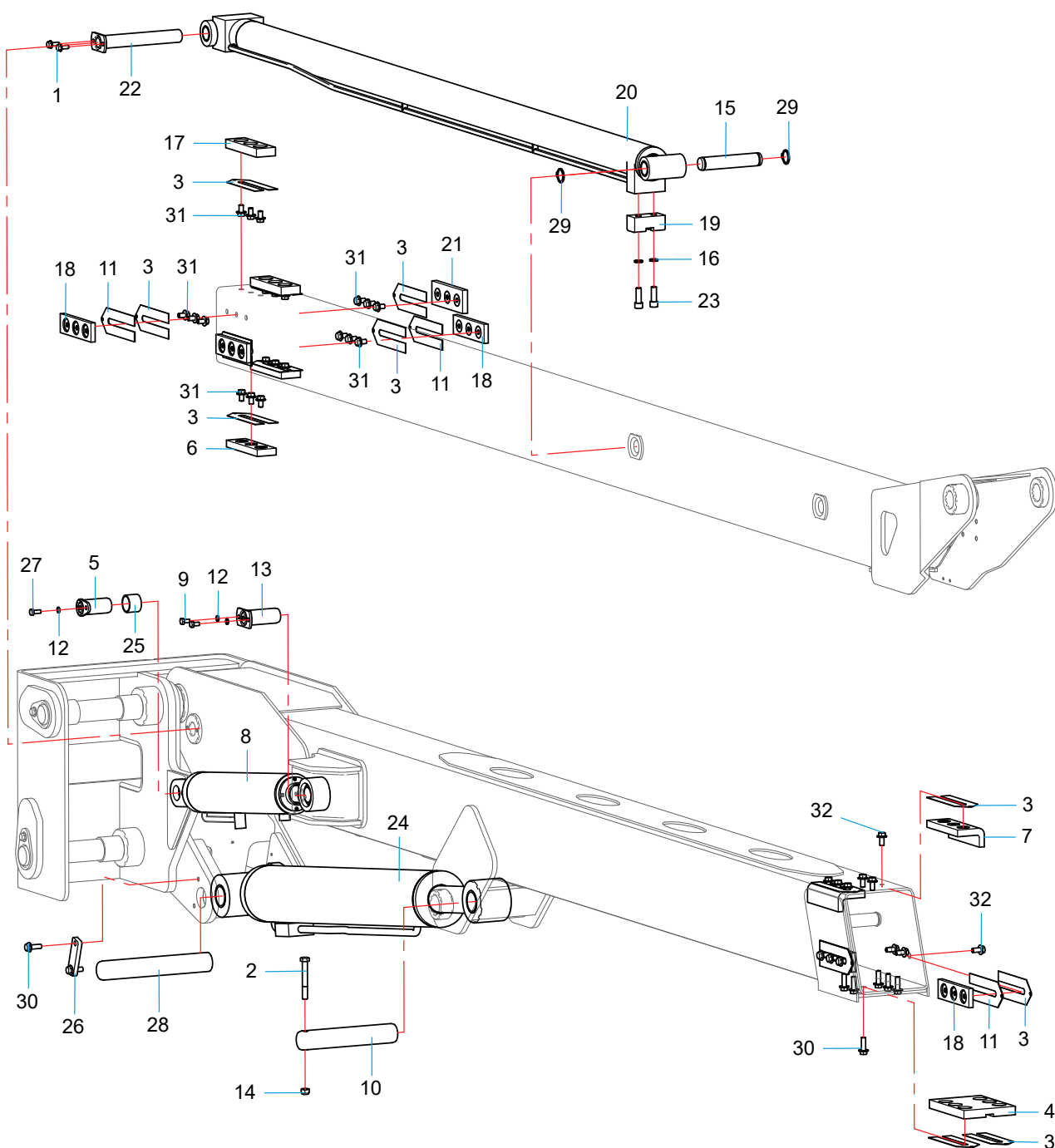
4.1 BOOM ASSEMBLY



No.	Part No.	Qty.	Description
1	104030010041	1	Extension Boom Installation
2	104009010120	1	ShaftXGΦ40-176
3	104009010118	1	ShaftXGΦ40-220
4	104009010139	1	Shaft assemblyXGΦ50-325
5	104015050003	2	Articulating boom lift cylinder(A)
5a	207990004095	1	Seal kit, cylinder
6	104020010007	1	Link,upper [Z]
7	215040000033	12	Washer 6-A2 GB/T 97.1
8	104030010037	1	Cable track system
9	215010000243	4	Bolt M12×30-8.8-ZnD GB/T 5789
10	215020000318	3	Screw M12×60-10.9-DKL GB/T 70.1
11	104013010014	1	Cushion block
12	214030000065	6	Self-lubricating bearing 40×48×45
13	215040000005	4	Washer 8-ZnD GB/T 93
14	104020010002	1	Base boom
15	104015010018	1	Cushion block
16	215040000097	2	Ring, retaining 40-DKL JB/ZQ 4342
17	215010000233	4	Bolt M8×12-8.8-ZnD GB/T 5789
18	104009010140	1	Pin assembly Φ50-592[Z]
19	214030000067	18	Self-lubricating bushing 50×58×50
20	215010000245	1	Bolt M10×16-8.8-ZnD GB/T 5789
21	104009010186	1	ShaftXGΦ40-275
22	214030000054	2	Self-lubricating bearing
23	215040000096	2	Ring, retaining 30-DKL JB/ZQ 4342
24	215030000031	2	Nut M16-8-ZnD GB/T 6184
25	104010010011	1	Shaft assembly Φ35-152
26	104020010024	1	Shaft assembly Φ30-156
27	215020000048	2	Screw M10×20-8.8-ZnD GB/T 70.1
28	104009010136	2	Shim
29	104015010003	1	Plate, cover
30	215030000029	4	Nut M12-8-ZnD GB/T 6184
31	215010000016	9	Bolt M12×90-8.8-ZnD GB/T 5782
32	104030010039	1	Upright, upper
33	215040000004	12	Washer 6-A2-70 GB/T 93
34	104030010040	1	Telescopic boom
35	215010000152	2	Bolt M16×100-10.9-DKL GB/T 1228
36	104020010008	1	Link, lower [Z]
37	215040000037	5	Washer 12-200HV-ZnD GB/T 97.1

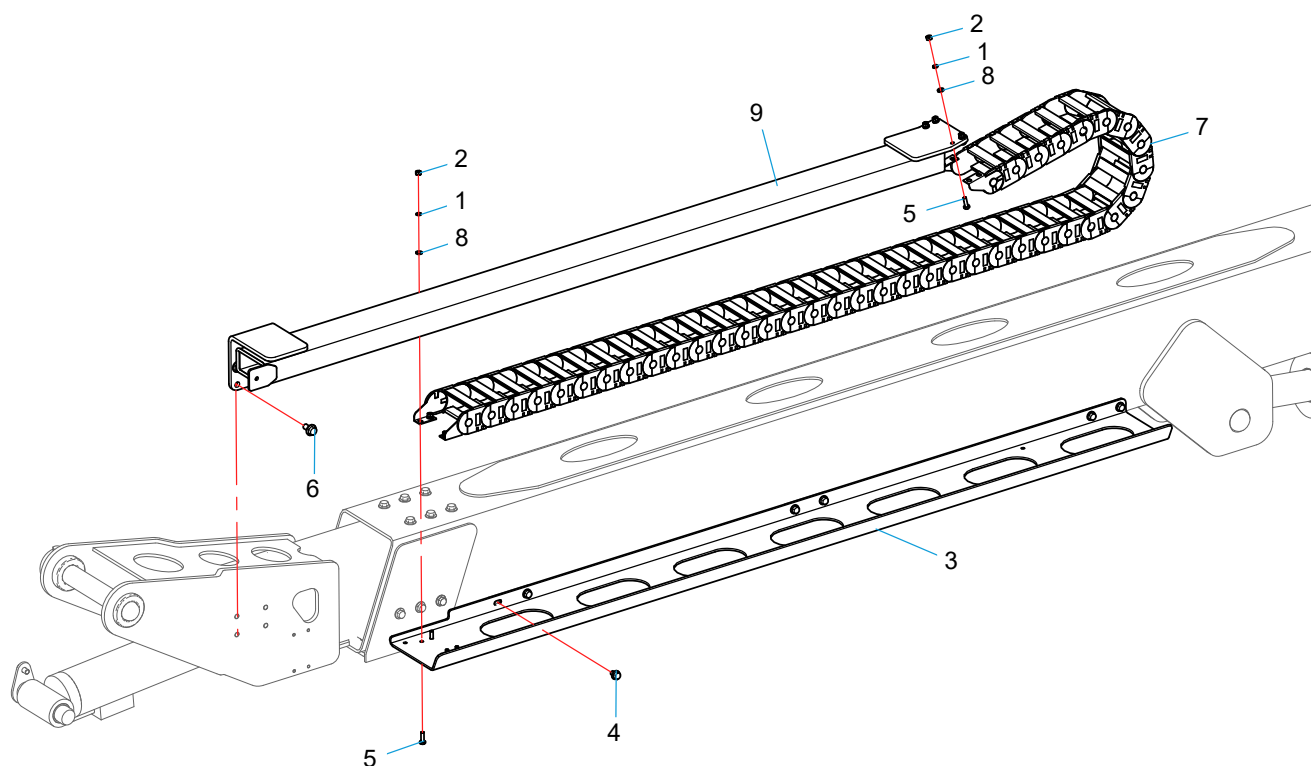
No.	Part No.	Qty.	Description
38	101012010044	1	Keeper pin
39	104021053049	1	Level cylinder upper(B)
39a	207990004014	1	Seal kit, cylinder
40	104015010005	1	Plate, cover
41	215020000050	2	Screw M10×30-8.8-ZnD GB/T 70.1
42	215010000056	4	Bolt M8×16-8.8-ZnD GB/T 5783
43	104020010031	1	Plate, folded
44	215010000013	1	Bolt M10×90-8.8-ZnD GB/T 5782
45	215030000027	1	Nut M10-8-ZnD GB/T 6184
46	104030010032	1	Jib boom assembly
47	215040000006	4	Washer 10-ZnD GB/T 93
48	104015010009	1	Support bar
49	215030000018	5	Nut M12-04-ZnD GB/T 6172.1
50	104009010137	1	Plate, cover
51	104020010023	1	Link, upper [Z]
52	104016010014	4	Pin XGΦ50-328[Z]
53	104021013006	1	Bumper strip
54	104013010012	1	Bracket
55	104016010013	1	Bracket, connecting (lower)
56	215010000238	2	Bolt M10×25-8.8-ZnD GB/T 5789
57	104021020089	2	Shaft XGΦ50-350
58	215010000205	12	Bolt M6×55-A2-70 GB/T5783
59	104009010122	2	ShaftXGΦ40-397
60	215010000235	1	Bolt M8×25-8.8-ZnD GB/T 5789
61	215030000008	5	Nut M12-8-ZnD GB/T 6170
62	104020010004	1	Link, lower [Z]

4.2 TELESCOPIC BOOM INSTALLATION



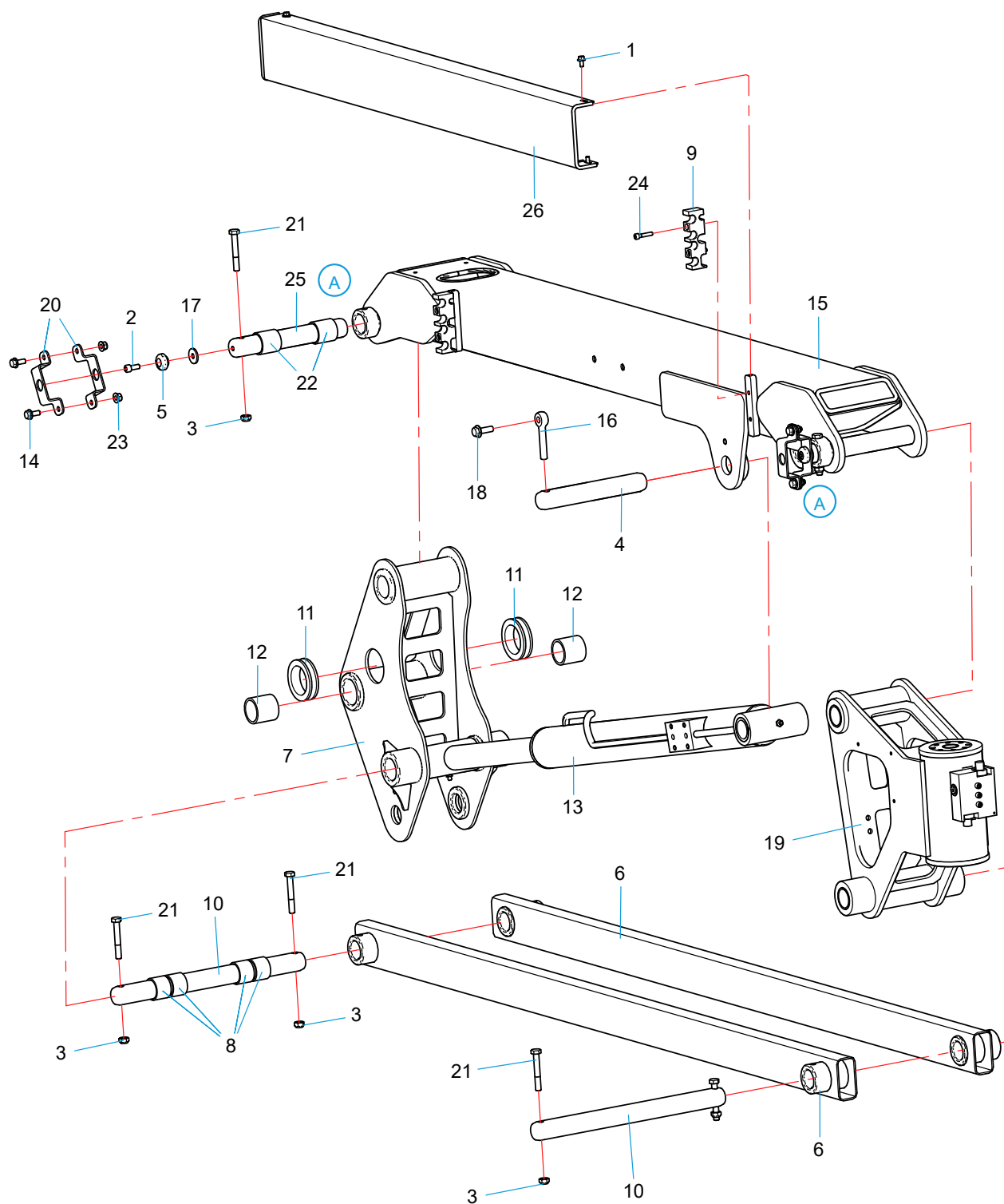
No.	Part No.	Qty.	Description
1	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
2	215010000016	1	Bolt M12×90-8.8-ZnD GB/T 5782
3	104009010103	14	shim
4	104030010050	1	Slider block assembly
5	104009010099	1	Shaft assemblyΦ35-70
6	104009010106	2	Slider block assembly
7	104020010019	2	Slider block assembly
8	104009010152	1	Cylinder, level (lower)(B)
8a-1	207990004040	1	Seal kit, cylinder(SC: 1000898)
8a-2	207990004147	1	Seal kit, cylinder(SC: 1000145)
8a-3	207990004104	1	Seal kit, cylinder(SC: 1000026)
9	215010000056	2	Bolt M8×16-8.8-ZnD GB/T 5783
10	104009010182	1	Shaft XGΦ45-246
11	104011010072	5	shim
12	215040000005	3	Washer 8-ZnD GB/T 93
13	104009010117	1	Shaft assemblyΦ35-85
14	215030000029	1	Nut M12-8-ZnD GB/T 6184
15	104020010024	1	Shaft assembly Φ30-156
16	215040000007	2	Washer 12-ZnD GB/T 93
17	104009010112	2	Slider block assembly
18	103006013021	5	Wear pad assembly
19	104020010026	1	Slider block
20	104017050008	1	Telescopic cylinder(A)
20a	207990004096	1	Seal kit, cylinder
21	104008010106	1	Slider block assembly
22	104021010024	1	Shaft assemblyΦ30-210
23	215020000076	2	Screw M12×35-8.8-ZnD GB/T 70.1
24	104013050001	1	Main lift cylinder(B)
24a	207990004094	1	Seal kit, cylinder
25	214030000069	1	Bushing, self-lubricating
26	104008010135	1	Snab plate
27	215010000057	1	Bolt M8×20-8.8-ZnD GB/T 5783
28	104009010160	1	ShaftXGΦ45-285
29	215040000096	2	Ring, retaining 30-DKL JB/ZQ 4342
30	215010000239	8	Bolt M10×30-8.8-ZnD GB/T 5789
31	215010000245	24	Bolt M10×16-8.8-ZnD GB/T 5789
32	215010000237	13	Bolt M10×20-8.8-ZnD GB/T 5789

4.3 CABLE TRACK INSTALLATION



No.	Part No.	Qty.	Description
1	215040000004	8	Washer 6-A2-70 GB/T 93
2	215030000004	8	Nut M6-A2-70 GB/T 6170
3	104021010011	1	Bracket, cable track
4	215010000233	6	Bolt M8×12-8.8-ZnD GB/T 5789
5	215010000051	8	Bolt M6×20-A2-70 GB/T 5783
6	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
7	204190000005	1	Drag chain and joint
7a	204190000004	1	Joint
7b	204190000006	38	Link section
7c	204190000007	1	Joint
8	215040000033	8	Washer 6-A2 GB/T 97.1
9	104021010019	1	Tube, carrier

4.4 JIB BOOM ASSEMBLY

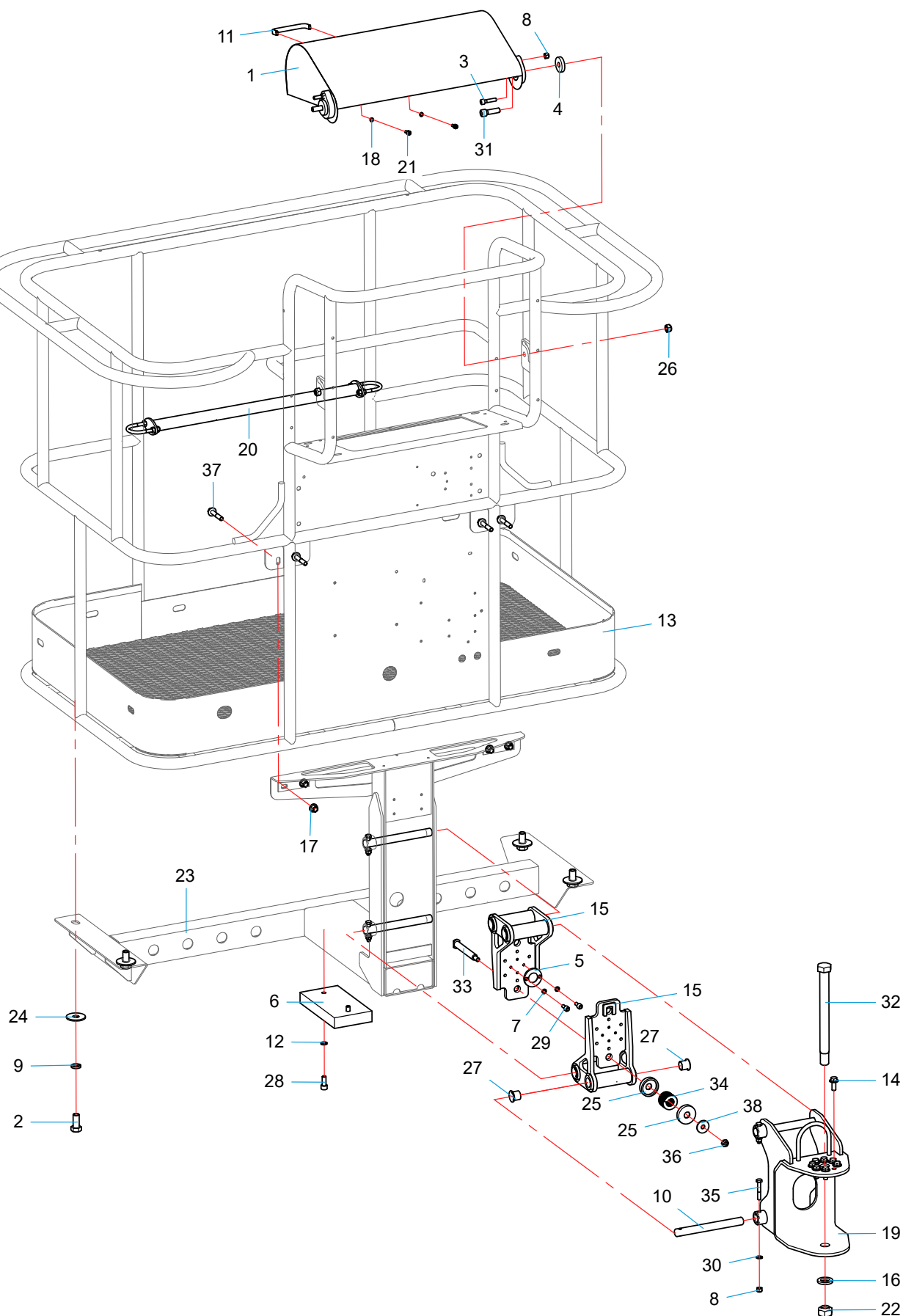


No.	Part No.	Qty.	Description
1	215010000281	4	Bolt M6×12-8.8-ZnD GB/T 5789
2	215020000023	2	Screw M8×20-8.8-ZnD GB/T 70.1
3	215030000027	6	Nut M10-8-ZnD GB/T 6184
4	104022010042	1	Shaft XGΦ35-225
5	112001013052	2	Plate, folded
6	114015013239	2	Level arm
7	104030010031	1	Pivot
8	214030000069	4	Bushing, self-lubricating
9	104030010054	2	Clamp
10	104014010080	2	Shaft XGΦ35-405[Z]
11	102004030845	2	Rubber grommet
12	214030000065	2	Self-lubricating bearing 40×48×45
13	105002010039	1	Cylinder, arti-boom(B)
13a	207990004090	1	Seal kit, cylinder
14	215010000234	4	Bolt M8×20-8.8-ZnD GB/T 5789
15	114015013240	1	Boom tube
16	209020000002	1	Pin
17	215040000103	2	Washer 8-100HV-ZnD GB/T 5287
18	215010000239	1	Bolt M10×30-8.8-ZnD GB/T 5789
19	202020003022	1	Swing cylinder
19a	207990003020	1	Seal kit, rotator
20	112001013051	4	Folded Plate
21	215010000011	6	Bolt M10×70-8.8-ZnD GB/T 5782
22	214030000004	2	Self-lubricating bearing
23	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
24	215020000014	4	Screw M6×30-A2-70 GB/T 70.1
25	114015013188	2	Shaft XGΦ35-240[Z]
26	114015013175	1	Hose cover

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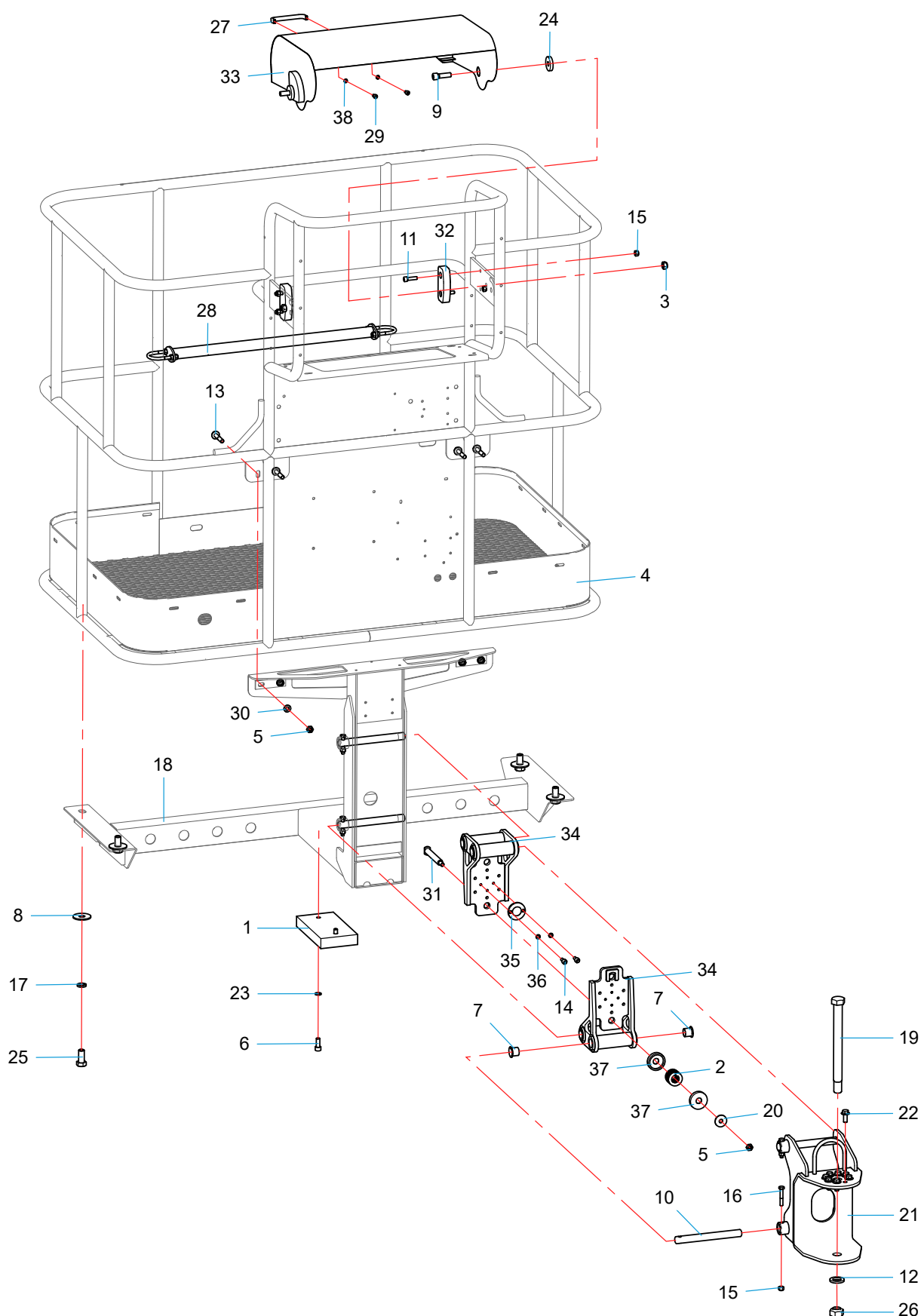
5 PLATFORM ASSEMBLY

5.1 1.45M (57IN) PLATFORM ASSEMBLY



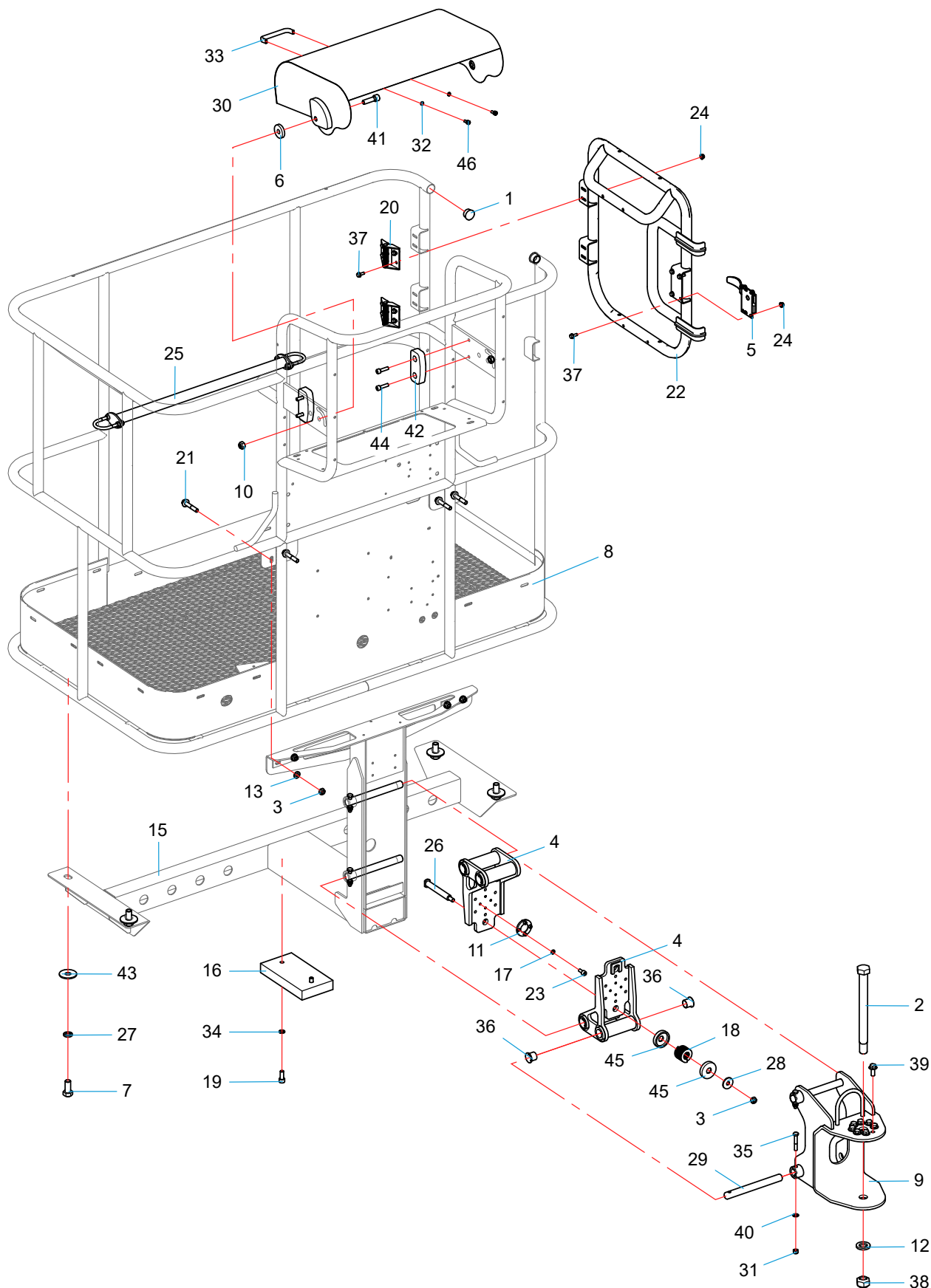
No.	Part No.	Qty.	Description
1	105001040029	1	Protective Cover
2	215010000109	4	Bolt M16×35-8.8-ZnD GB/T 5783
3	215020000026	2	Screw M8×35-8.8-ZnD GB/T 70.1
4	105001040055	2	Plate
5	103006060038	1	Plate
6	105001040006	1	Pad
7	215040000003	2	Washer 5-A2-70 GB/T 93
8	215030000026	6	Nut M8-8-ZnD GB/T889.1
9	215040000008	4	Washer 16-ZnD GB/T 93
10	105001040034	4	Shaft
11	209030000001	1	Handle, C.C.96mm
12	215040000006	2	Washer 10-ZnD GB/T 93
13	105001040039	1	Platform
14	215010000267	8	Bolt M10×25-10.9-DKL GB/T 5789
15	105029013046	2	Weighing Rack
16	215040000108	1	Washer 22-DKL GB/T 1230
17	215030000109	4	Nut M10-8-ZnD GB/T 6183.1
18	215040000002	2	Washer 4-A2-70 GB/T 93
19	105050043078	1	Support
20	105064043183	1	Door Pole
21	215020000001	2	Screw M4×10-A2-70 GB/T 70.1
22	215030000104	1	Nut M22-8-ZnD GB/T 899.1
23	105050043099	1	Bracket
24	215040000020	4	Washer 16-200HV-ZnD GB/T 96.1
25	105029013045	2	Retaining ring
26	215030000029	2	Nut M12-8-ZnD GB/T 6184
27	214080000001	8	Bearing 20×23×21.5 SF-1F
28	215020000049	2	Screw M10×25-8.8-ZnD GB/T 70.1
29	215020000006	2	Screw M5×12-A2-70 GB/T 70.1
30	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
31	215020000208	2	Screw M12×40-8.8-ZnD GB/T 70.1
32	103010013578	1	Pin,swing motor
33	105029013067	1	Special screw
34	210110000001	1	Compression spring
35	215010000163	4	Bolt M8×50-8.8-ZnD GB/T 5782
36	215030000027	1	Nut M10-8-ZnD GB/T 6184
37	215010000258	4	Bolt M10×55-8.8-ZnD GB/T 5789
38	215040000125	1	Washer 10-100HV-ZnD GB/T 5287

5.2 1.45M (57IN) PLATFORM ASSEMBLY - WITH HALF-HEIGHT MESH DEVICE



No.	Part No.	Qty.	Description
1	105001040006	1	Pad
2	210110000001	1	Compression spring
3	215030000029	2	Nut M12-8-ZnD GB/T 6184
4	105068043044	1	Platform
5	215030000027	5	Nut M10-8-ZnD GB/T 6184
6	215020000049	2	Screw M10×25-8.8-ZnD GB/T 70.1
7	214080000001	8	Bearing 20×23×21.5 SF-1F
8	215040000020	4	Washer 16-200HV-ZnD GB/T 96.1
9	215020000208	2	Screw M12×40-8.8-ZnD GB/T 70.1
10	105001040034	4	Shaft
11	215020000025	4	Screw M8×30-8.8-ZnD GB/T 70.1
12	215040000108	1	Washer 22-DKL GB/T 1230
13	215010000258	4	Bolt M10×55-8.8-ZnD GB/T 5789
14	215020000006	2	Screw M5×12-A2-70 GB/T 70.1
15	215030000026	8	Nut M8-8-ZnD GB/T889.1
16	215010000163	4	Bolt M8×50-8.8-ZnD GB/T 5782
17	215040000008	4	Washer 16-ZnD GB/T 93
18	105050043099	1	Bracket
19	103010013578	1	Pin,swing motor
20	215040000125	1	Washer 10-100HV-ZnD GB/T 5287
21	105050043078	1	Support
22	215010000267	8	Bolt M10×25-10.9-DKL GB/T 5789
23	215040000006	2	Washer 10-ZnD GB/T 93
24	105001040055	2	Plate
25	215010000109	4	Bolt M16×35-8.8-ZnD GB/T 5783
26	215030000104	1	Nut M22-8-ZnD GB/T 899.1
27	209030000001	1	Handle, C.C.96mm
28	105064043183	1	Door Pole
29	215020000001	2	Screw M4×10-A2-70 GB/T 70.1
30	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1
31	105029013067	1	Special screw
32	105068043027	2	Stop block
33	105068043022	1	Protective Cover
34	105029013046	2	Weighing Rack
35	103006060038	1	Plate
36	215040000003	2	Washer 5-A2-70 GB/T 93
37	105029013045	2	Retaining ring
38	215040000002	2	Washer 4-A2-70 GB/T 93

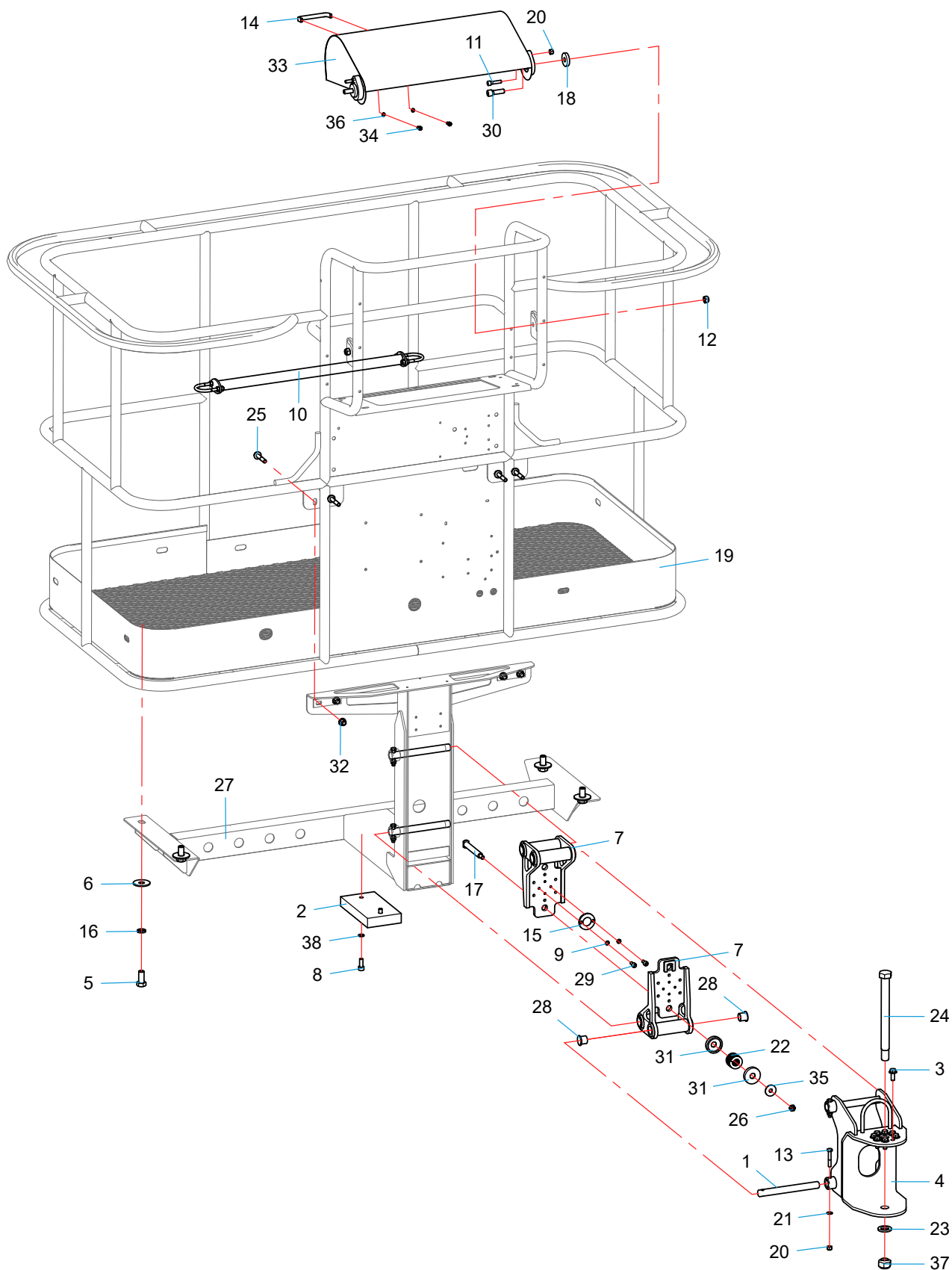
5.3 1.45M (57IN) PLATFORM ASSEMBLY - WITH SWING GATE



No.	Part No.	Qty.	Description
1	105064043177	2	Tube cap
2	103010013578	1	Pin,swing motor
3	215030000027	5	Nut M10-8-ZnD GB/T 6184
4	105029013046	2	Weighing Rack
5	209050003006	1	Lock
6	105001040055	2	Plate
7	215010000109	4	Bolt M16×35-8.8-ZnD GB/T 5783
8	103014040007	1	Platform
9	105050043078	1	Support
10	215030000029	2	Nut M12-8-ZnD GB/T 6184
11	103006060038	1	Plate
12	215040000108	1	Washer 22-DKL GB/T 1230
13	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1
14	305140000001	1	Threadlocker, Locktite(Not shown)
15	105050043099	1	Bracket
16	105001040006	1	Pad
17	215040000003	4	Washer 5-A2-70 GB/T 93
18	210110000001	1	Compression spring
19	215020000049	2	Screw M10×25-8.8-ZnD GB/T 70.1
20	209050003009	2	Hinge
21	215010000258	4	Bolt M10×55-8.8-ZnD GB/T 5789
22	105068043015	1	Gate, side
23	215020000006	4	Screw M5×12-A2-70 GB/T 70.1
24	215030000107	12	Nut M6-8-ZnD GB/T 6183.1
25	105064043183	1	Door Pole
26	105029013067	1	Special screw
27	215040000008	4	Washer 16-ZnD GB/T 93
28	215040000125	1	Washer 10-100HV-ZnD GB/T 5287
29	105001040034	4	Shaft
30	105068043022	1	Protective Cover
31	215030000026	4	Nut M8-8-ZnD GB/T889.1
32	215040000002	2	Washer 4-A2-70 GB/T 93
33	209030000001	1	Handle, C.C.96mm
34	215040000006	2	Washer 10-ZnD GB/T 93
35	215010000163	4	Bolt M8×50-8.8-ZnD GB/T 5782
36	214080000001	8	Bearing 20×23×21.5 SF-1F
37	215010000230	12	Bolt M6×16-8.8-ZnD GB/T 5789
38	215030000104	1	Nut M22-8-ZnD GB/T 899.1
39	215010000267	8	Bolt M10×25-10.9-DKL GB/T 5789

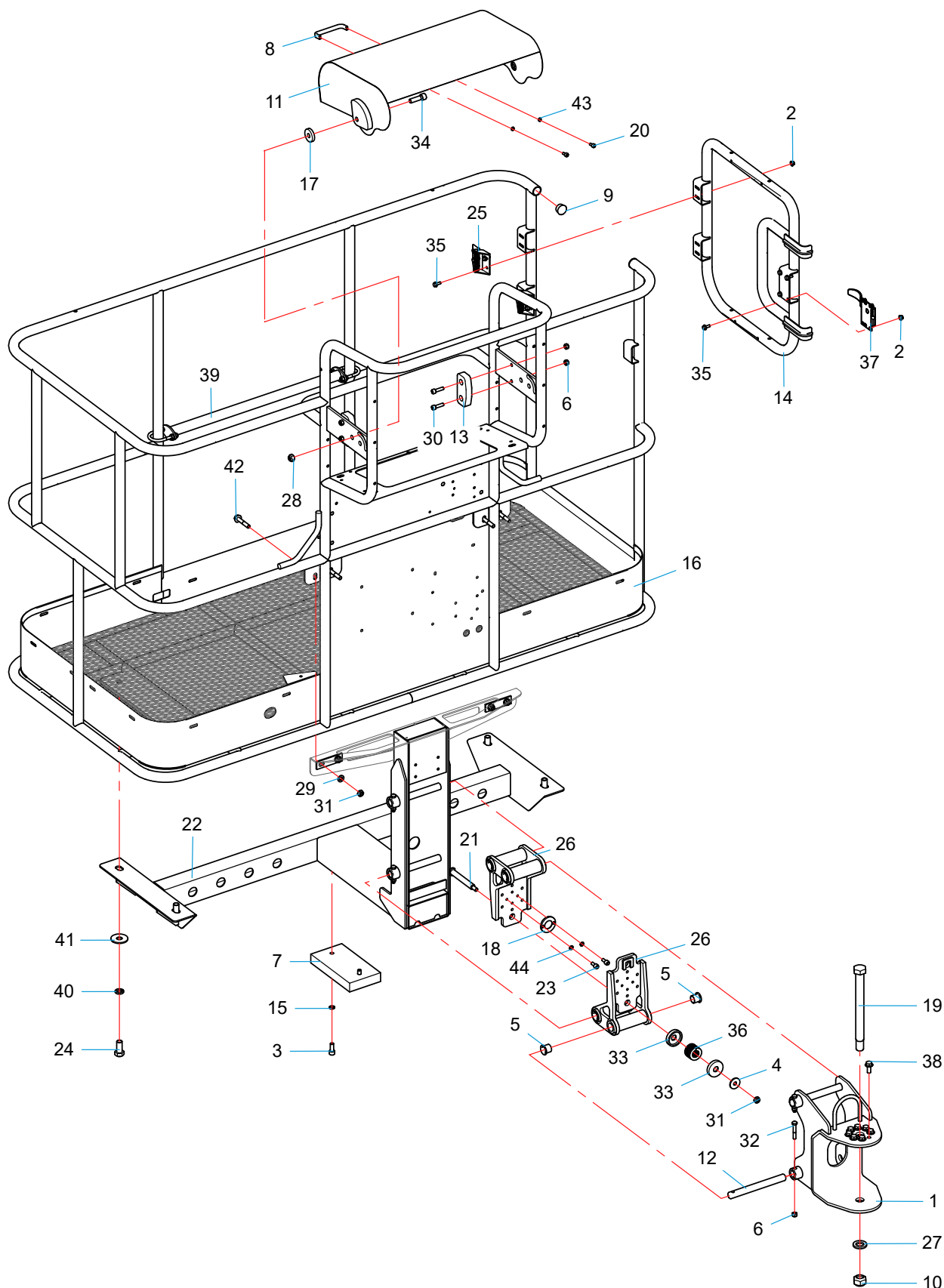
No.	Part No.	Qty.	Description
40	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
41	215020000208	2	Screw M12×40-8.8-ZnD GB/T 70.1
42	105068043027	2	Stop block
43	215040000020	4	Washer 16-200HV-ZnD GB/T 96.1
44	215020000025	4	Screw M8×30-8.8-ZnD GB/T 70.1
45	105029013045	2	Retaining ring
46	215020000001	2	Screw M4×10-A2-70 GB/T 70.1

5.4 1.83M (72IN) PLATFORM ASSEMBLY



No.	Part No.	Qty.	Description
1	105001040034	4	Shaft
2	105001040006	1	Pad
3	215010000267	8	Bolt M10×25-10.9-DKL GB/T 5789
4	105050043078	1	Support
5	215010000109	4	Bolt M16×35-8.8-ZnD GB/T 5783
6	215040000020	4	Washer 16-200HV-ZnD GB/T 96.1
7	105029013046	2	Weighing Rack
8	215020000049	2	Screw M10×25-8.8-ZnD GB/T 70.1
9	215040000003	2	Washer 5-A2-70 GB/T 93
10	105064043183	1	Door Pole
11	215020000026	2	Screw M8×35-8.8-ZnD GB/T 70.1
12	215030000029	2	Nut M12-8-ZnD GB/T 6184
13	215010000163	4	Bolt M8×50-8.8-ZnD GB/T 5782
14	209030000001	1	Handle, C.C.96mm
15	103006060038	1	Plate
16	215040000008	4	Washer 16-ZnD GB/T 93
17	105029013067	1	Special screw
18	105001040055	2	Plate
19	105021040007	1	Platform
20	215030000026	6	Nut M8-8-ZnD GB/T889.1
21	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
22	210110000001	1	Compression spring
23	215040000108	1	Washer 22-DKL GB/T 1230
24	103010013578	1	Pin,swing motor
25	215010000258	4	Bolt M10×55-8.8-ZnD GB/T 5789
26	215030000027	1	Nut M10-8-ZnD GB/T 6184
27	105050043099	1	Bracket
28	214080000001	8	Bearing 20×23×21.5 SF-1F
29	215020000006	2	Screw M5×12-A2-70 GB/T 70.1
30	215020000208	2	Screw M12×40-8.8-ZnD GB/T 70.1
31	105029013045	2	Retaining ring
32	215030000109	4	Nut M10-8-ZnD GB/T 6183.1
33	105001040029	1	Protective Cover
34	215020000001	2	Screw M4×10-A2-70 GB/T 70.1
35	215040000125	1	Washer 10-100HV-ZnD GB/T 5287
36	215040000002	2	Washer 4-A2-70 GB/T 93
37	215030000104	1	Nut M22-8-ZnD GB/T 899.1
38	215040000006	2	Washer 10-ZnD GB/T 93

5.5 1.83M (72IN) PLATFORM ASSEMBLY - WITH SWING GATE



No.	Part No.	Qty.	Description
1	105050043078	1	Support
2	215030000107	12	Nut M6-8-ZnD GB/T 6183.1
3	215020000049	2	Screw M10×25-8.8-ZnD GB/T 70.1
4	215040000125	1	Washer 10-100HV-ZnD GB/T 5287
5	214080000001	8	Bearing 20×23×21.5 SF-1F
6	215030000026	8	Nut M8-8-ZnD GB/T889.1
7	105001040006	1	Pad
8	209030000001	1	Handle, C.C.96mm
9	105064043177	2	Tube cap
10	215030000104	1	Nut M22-8-ZnD GB/T 899.1
11	105068043022	1	Protective Cover
12	105001040034	4	Shaft
13	105068043027	2	Stop block
14	105068043015	1	Gate, side
15	215040000006	2	Washer 10-ZnD GB/T 93
16	105068043026	1	Platform
17	105001040055	2	Plate
18	103006060038	1	Plate
19	103010013578	1	Pin,swing motor
20	215020000001	2	Screw M4×10-A2-70 GB/T 70.1
21	105029013067	1	Special screw
22	105050043099	1	Bracket
23	215020000006	2	Screw M5×12-A2-70 GB/T 70.1
24	215010000109	4	Bolt M16×35-8.8-ZnD GB/T 5783
25	209050003009	2	Hinge
26	105029013046	2	Weighing Rack
27	215040000108	1	Washer 22-DKL GB/T 1230
28	215030000029	2	Nut M12-8-ZnD GB/T 6184
29	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1
30	215020000025	4	Screw M8×30-8.8-ZnD GB/T 70.1
31	215030000027	5	Nut M10-8-ZnD GB/T 6184
32	215010000163	4	Bolt M8×50-8.8-ZnD GB/T 5782
33	105029013045	2	Retaining ring
34	215020000208	2	Screw M12×40-8.8-ZnD GB/T 70.1
35	215010000230	12	Bolt M6×16-8.8-ZnD GB/T 5789
36	210110000001	1	Compression spring
37	209050003006	1	Lock
38	215010000267	8	Bolt M10×25-10.9-DKL GB/T 5789
39	105064043183	1	Door Pole

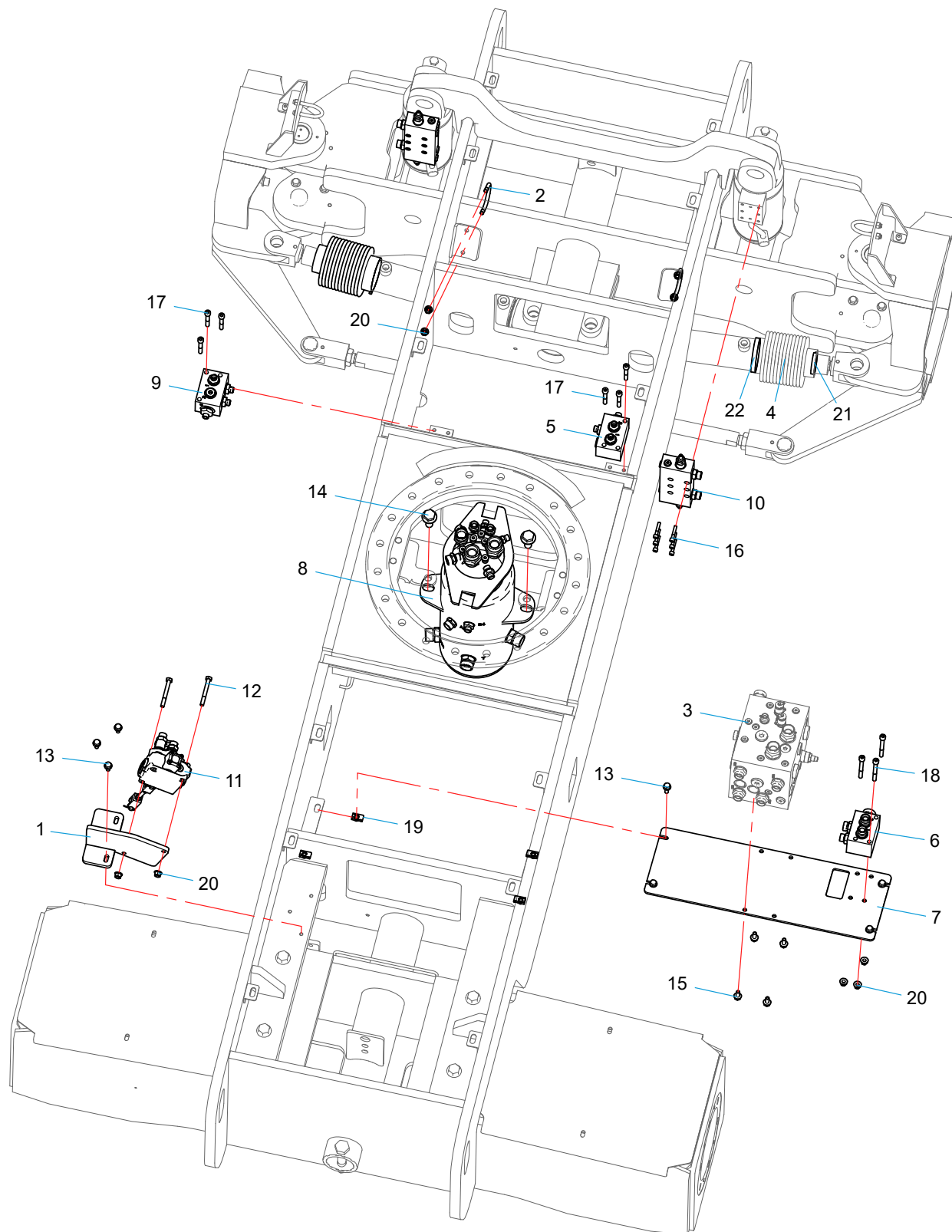
No.	Part No.	Qty.	Description
40	215040000008	4	Washer 16-ZnD GB/T 93
41	215040000020	4	Washer 16-200HV-ZnD GB/T 96.1
42	215010000258	4	Bolt M10×55-8.8-ZnD GB/T 5789
43	215040000002	2	Washer 4-A2-70 GB/T 93
44	215040000003	2	Washer 5-A2-70 GB/T 93

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6 HYDRAULIC SYSTEM

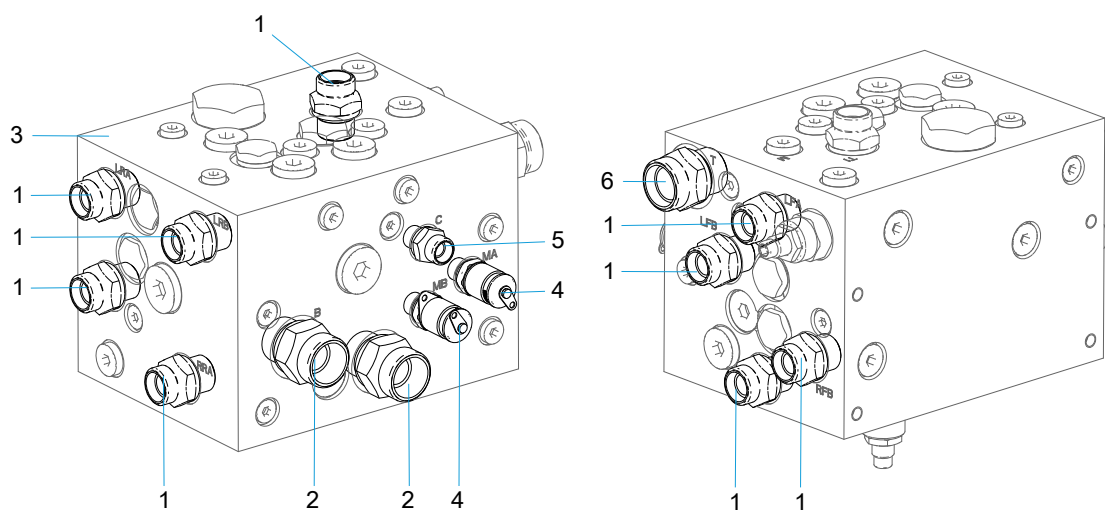
6.1 CHASSIS HYDRAULIC SYSTEM (CONTINUOUS ROTATION CONFIG)

6.1.1 CHASSIS HYDRAULIC COMPONENTS INSTALLATION



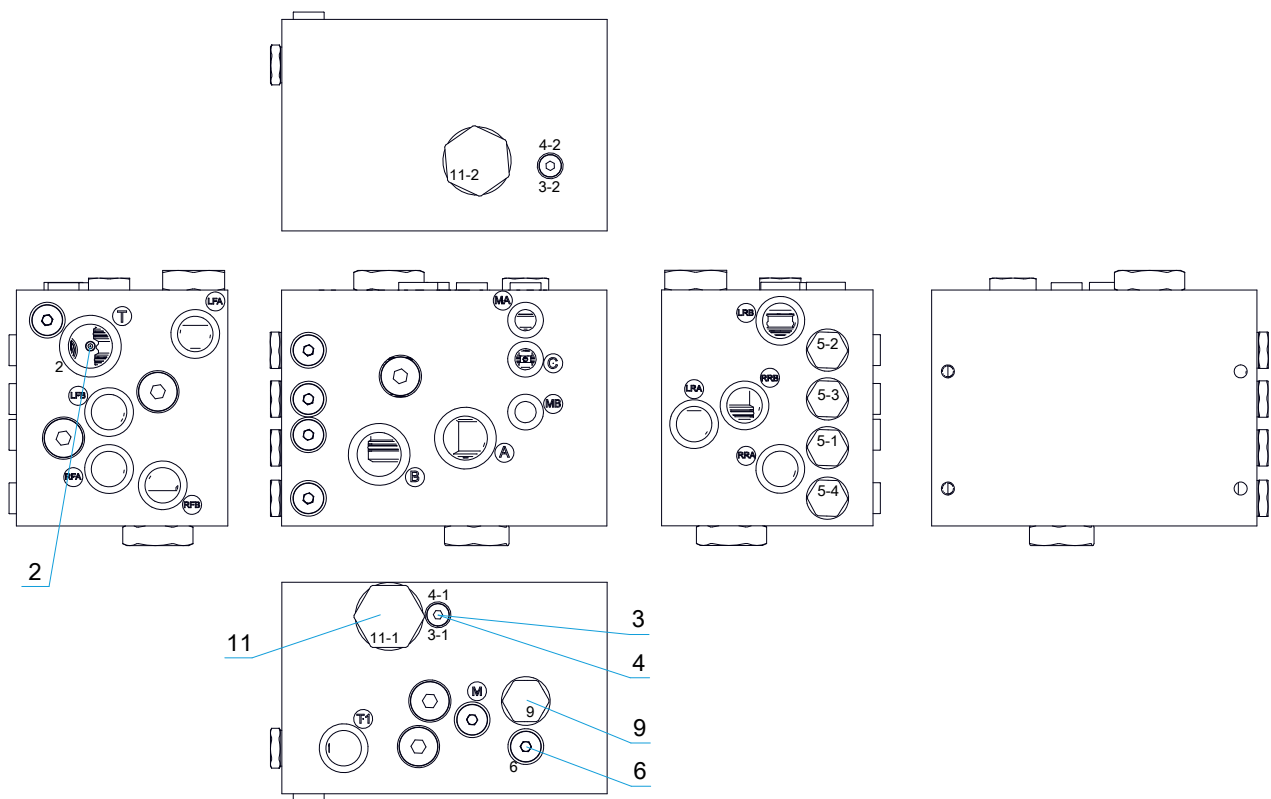
No.	Part No.	Qty.	Description
1	103011033144	1	Bracket, mounting (multi-way valve, osci
2	104016020023	2	U-clamp
3	104031050084	1	Traction manifold & fittings installation(See details)
4	105047050001	2	Bellow, steer cylinder
5	105051053366	1	N-port brake manifold & fittings installation(See details)
6	105051053381	1	L-port drain manifold & fittings installation(See details)
7	105084033057	1	Plate
8	105084053077		Central rotary joint fitting installation option(See details)
9	105084053079	1	X-port 2-speed manifold & fittings installation(See details)
10	105084053180	2	OPT, INST, fittings (counterbalance valve, oscillate)(See details)
11	114015053096		OPT, INST, fittings (oscillate multi-way valve)(See details)
12	215010000005	2	Bolt M8×70-8.8-ZnD GB/T 5782
13	215010000234	7	Bolt M8×20-8.8-ZnD GB/T 5789
14	215010000276	2	Bolt M16×40-8.8-ZnD GB/T 5789
15	215010000286	4	Bolt M8×16-8.8-ZnD GB/T 5789
16	215020000015	12	Screw M6×35-A2-70 GB/T 70.1
17	215020000038	6	Screw M8×60-8.8-ZnD GB/T 70.1
18	215020000041	3	Screw M8×70-8.8-ZnD GB/T 70.1
19	215030000106	4	B type spring nuts
20	215030000108	9	Nut M8-8-ZnD GB/T 6183.1
21	216020000003	2	Clamp
22	216020000009	2	Hose clamp

6.1.2 DRIVE CONTROL VALVE AND FITTINGS INSTALLATION



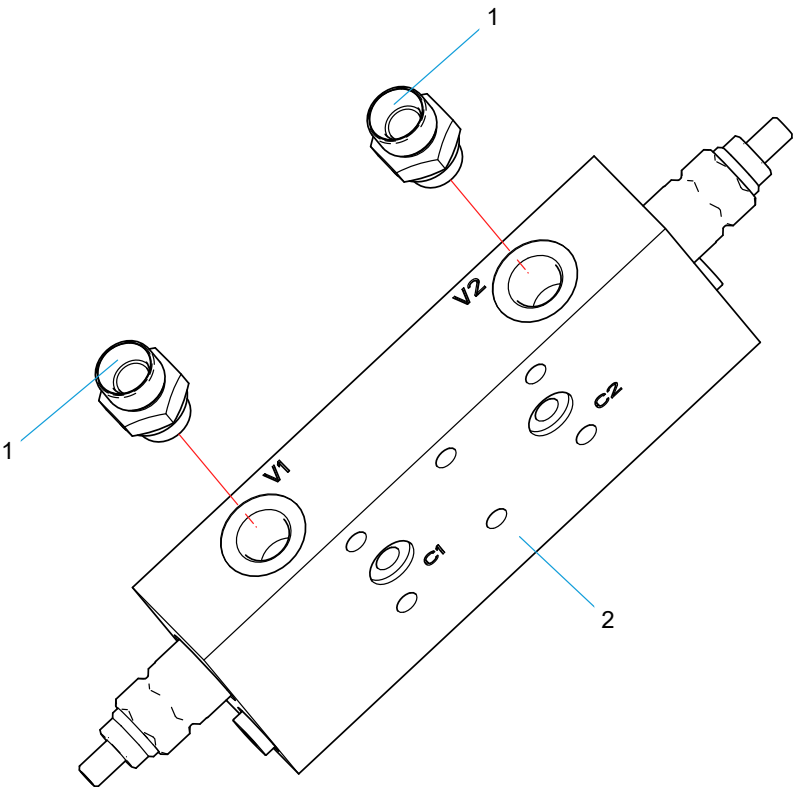
No.	Part No.	Qty.	Description
1	213010000039	9	Coupler
2	213010000018	2	Coupler
3	202040003985	1	Valve, control (travel)(See details)
4	213010000010	2	Coupler
5	213010000012	1	Coupler
6	213010000045	1	Coupler

6.1.3 DRIVE CONTROL VALVE (PN.202040003985)



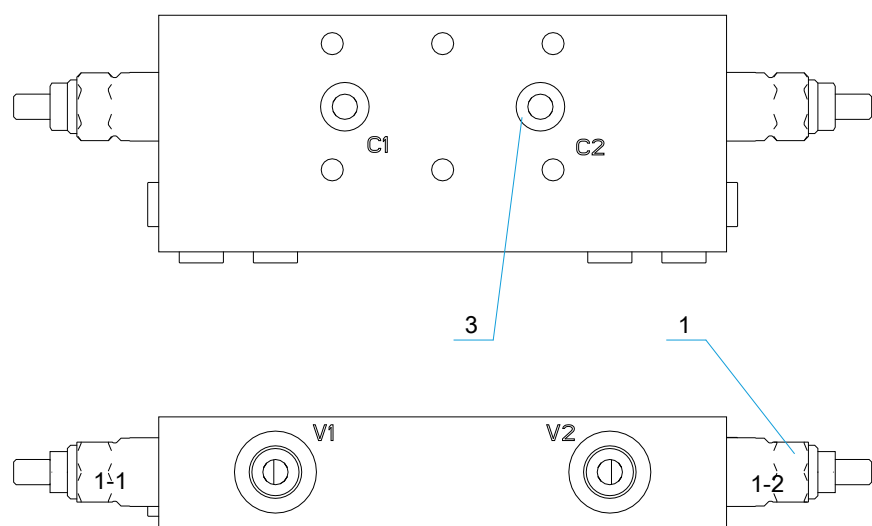
No.	Part No.	Qty.	Description
4	202130000008	2	Damper plug
3	202130003010	2	Damper
2	202130003015	1	Damper
5	202990003071	4	Check valve
9	202990003108	1	Flushing valve
6	202990003154	1	Shuttle valve
11	202990003211	2	Dividing-combining valve

6.1.4 OSCILLATE COUNTERBALANCE VALVE AND FITTINGS
INSTALLATION OPTIONS



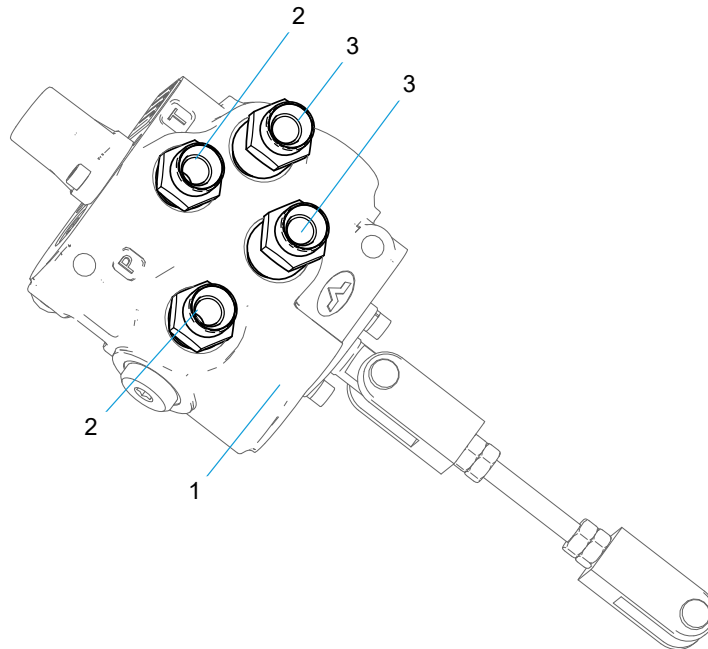
No.	Part No.	Qty.	Description
1	213010000005	2	Coupler
2	202040003786	1	Oscillate counterbalance manifold(See details)

6.1.5 OSCILLATE COUNTERBALANCE VALVE (PN.202040003786)



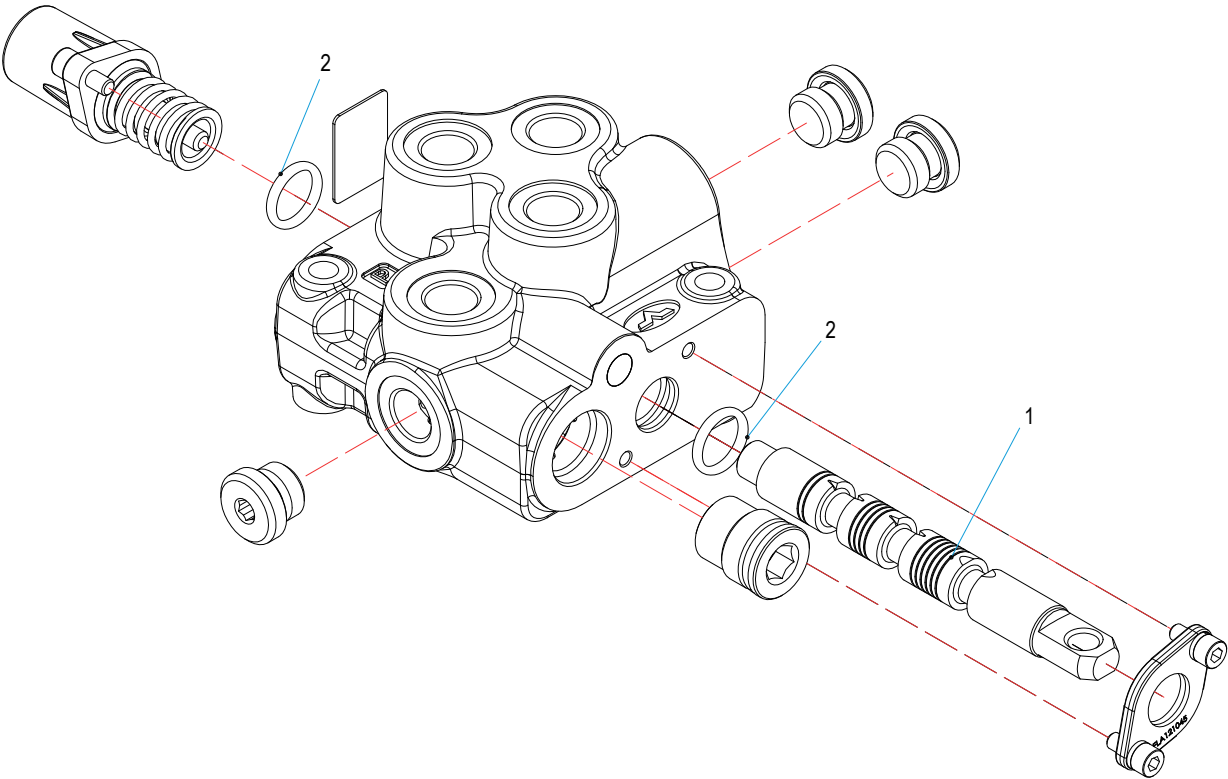
No.	Part No.	Qty.	Description
1	202040003216	2	Spool
3	207040003049	2	O-ring

6.1.6 OSCILLATE MULTI-WAY VALVE AND FITTINGS INSTALLATION OPTIONS



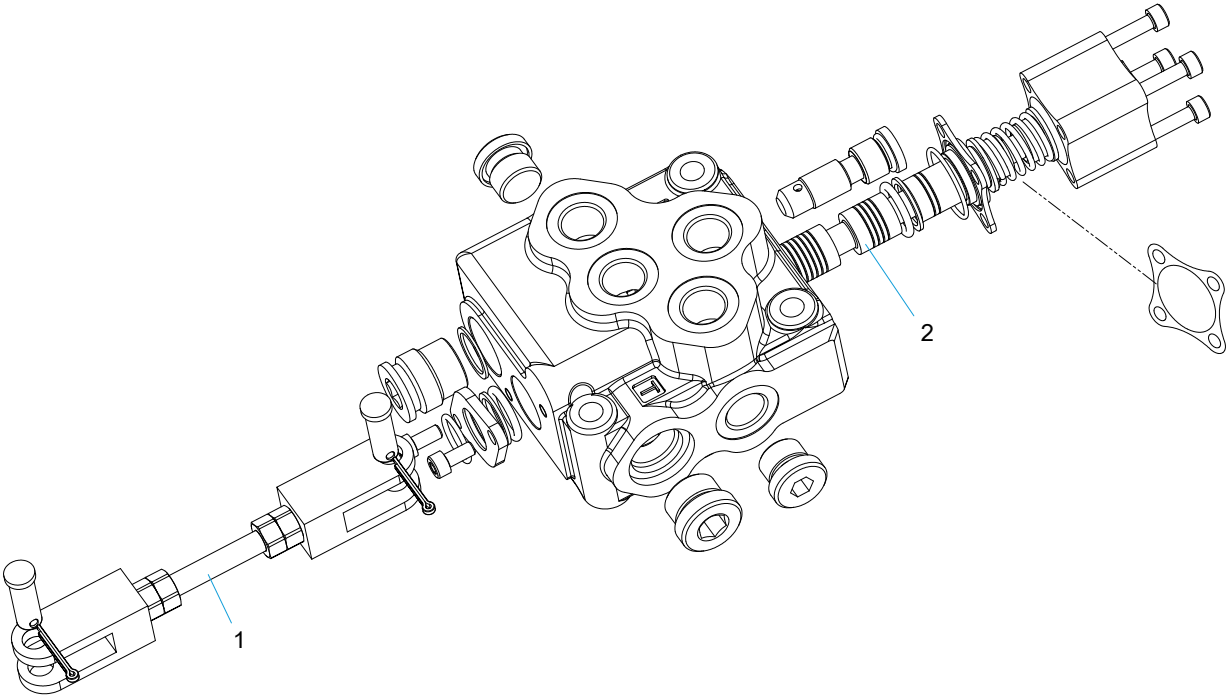
No.	Part No.	Qty.	Description
1-1	202040003026	1	Oscillate multi-way valve(SC: 1000191)
1-2	202040003485	1	Oscillate control manifold(SC: 1000179)
2	213010000005	2	Coupler
3	213010003251	2	Coupler

6.1.7 OSCILLATE MULTI-WAY VALVE (PN.202040003026)



No.	Part No.	Qty.	Description
1	202990003065	1	Multi-way valve spool, oscillate
2	207060003007	2	O-ring

6.1.8 OSCILLATE MULTI-WAY VALVE (PN.202040003485)

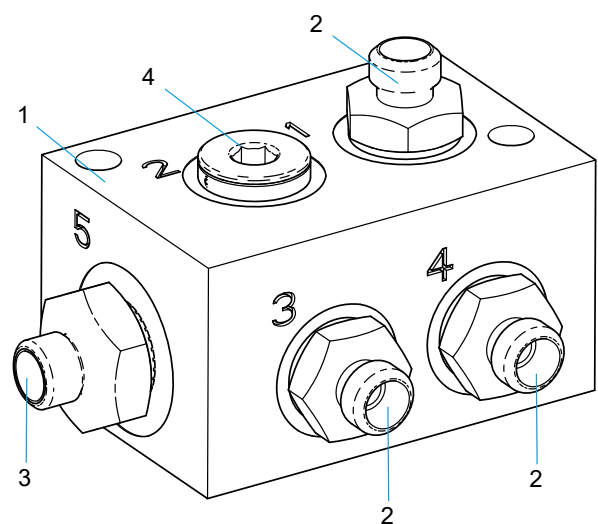


No.	Part No.	Qty.	Description
1	202990003905	1	Rod, tie
2	202990003904	1	Rod, vavle

[illegible]

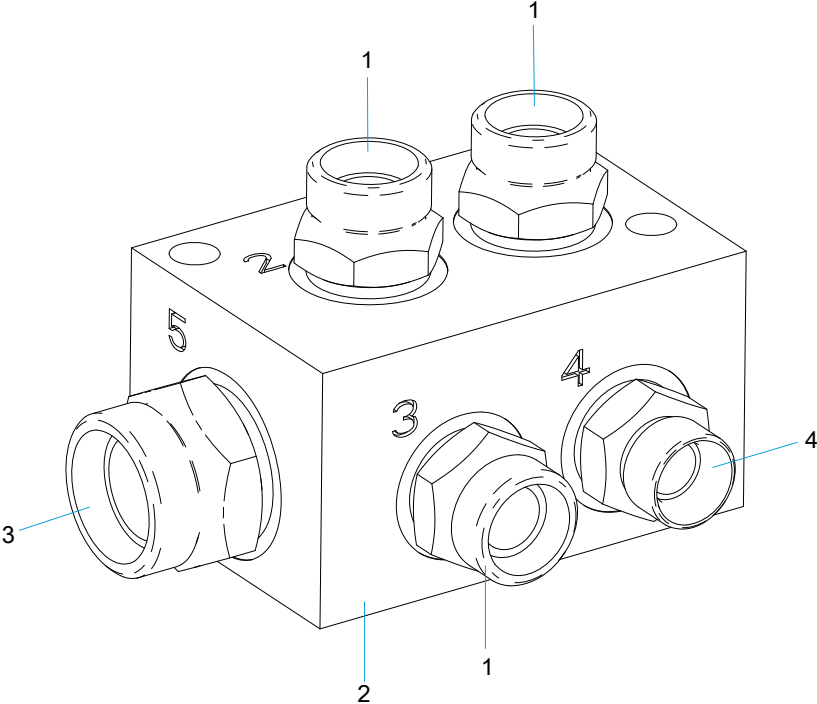
No.	Part No.	Qty.	Description
1	213010000030	2	Coupler
2	202100003026	1	Hydraulic rotary coupler(A)
2a	207990003452	1	Seal kit, Hydraulic rotary coupler
3	213010000031	6	Coupler
4	213010000202	4	Coupler
5	213010000037	2	Coupler
6	213010000052	2	Coupler
7	213010000049	2	Coupler
8	213010000065	2	Coupler

6.1.10 2-SPEED MULTI-COUPLING AND FITTINGS INSTALLATION



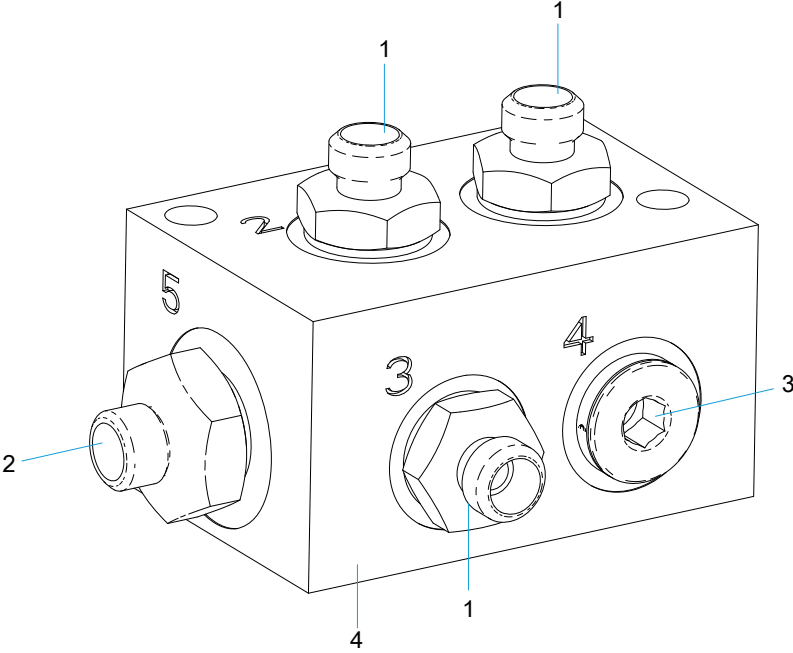
No.	Part No.	Qty.	Description
1	105001050037	1	Manifold
2	213010000047	3	Coupler
3	213010000138	1	Coupler
4	213060000001	1	Plug

6.1.11 DRAIN MULTI-COUPLING AND FITTINGS INSTALLATION



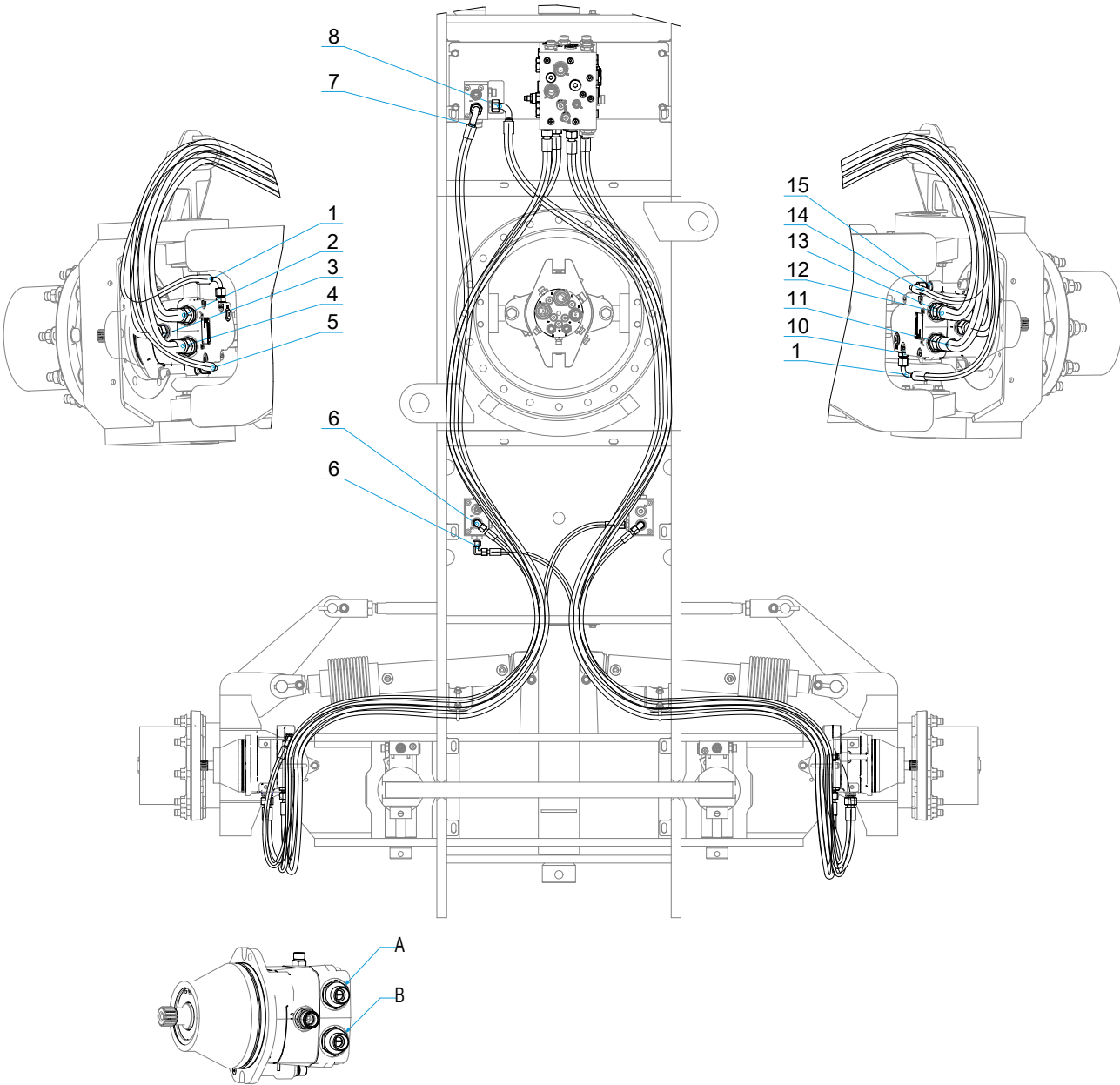
No.	Part No.	Qty.	Description
1	213010000003	3	Coupler
2	105001050037	1	Manifold
3	213010000017	1	Coupler
4	213010000005	1	Coupler

6.1.12 BRAKE MULTI-COUPLING AND FITTINGS INSTALLATION

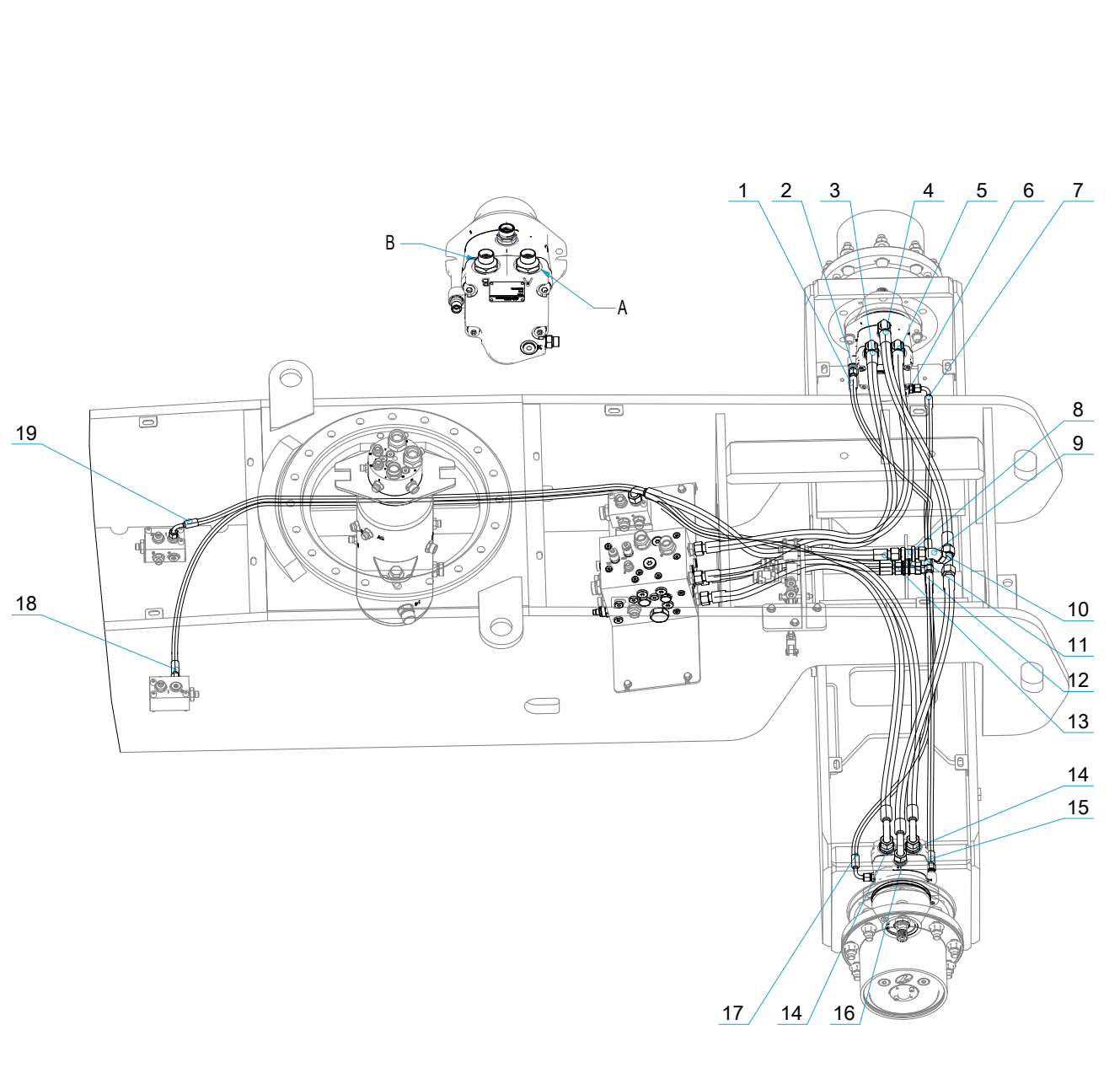


No.	Part No.	Qty.	Description
1	213010000047	3	Coupler
2	213010000138	1	Coupler
3	213060000001	1	Plug
4	105001050037	1	Manifold

6.1.13 PIPE LAYOUT DRAWING OF FRONT AXLE

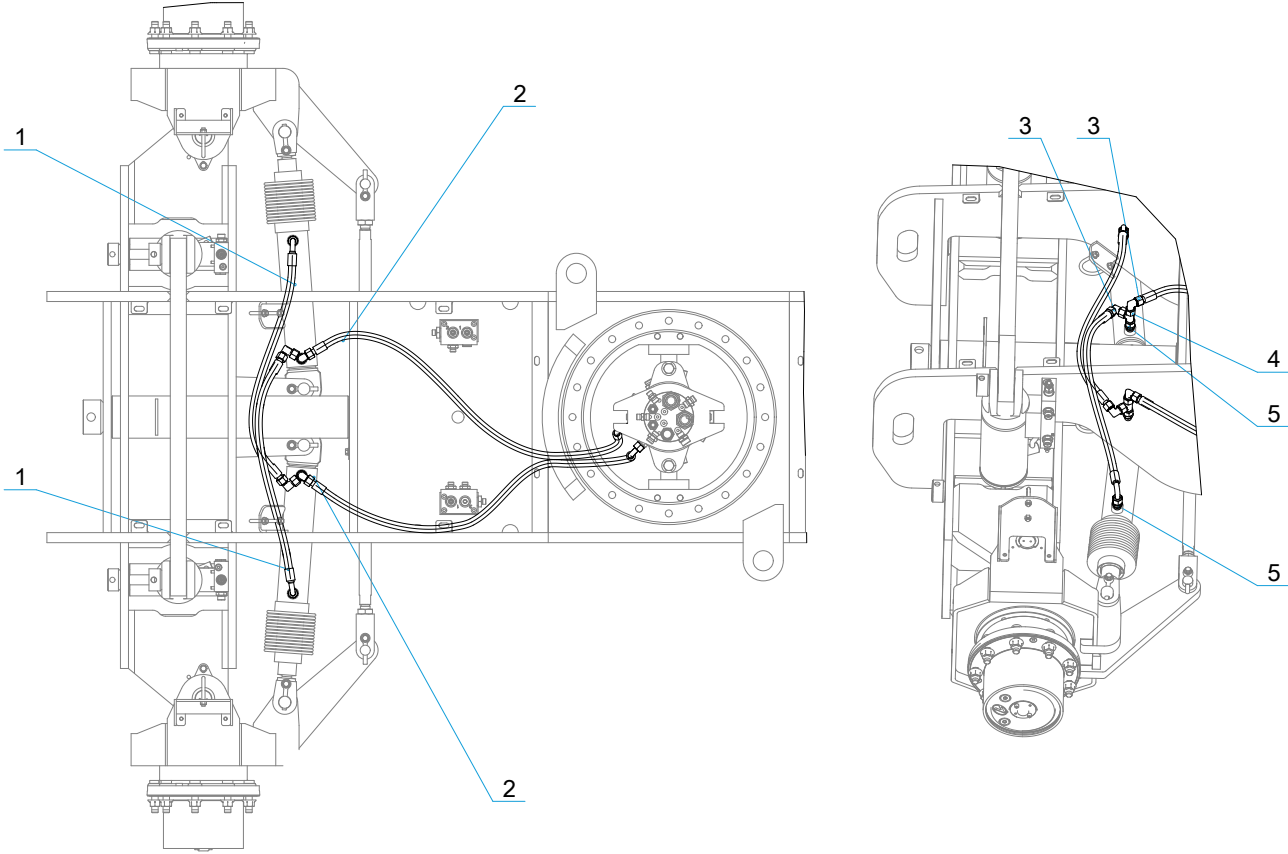


No.	Part No.	Qty.	Description
1	213050000649	2	Hose
2	213050013578	1	Hose
3	213010000089	2	Coupler
4	213050013577	1	Hose
5	213050001487	1	Hose
6	213010000024	3	Coupler
7	213050003564	1	Hose
8	213050000273	1	Hose
10	213010000144	2	Coupler
11	213050000598	1	Hose
12	213050013576	1	Hose
13	213010000152	4	Coupler
14	213050013579	1	Hose
15	213010000013	2	Coupler



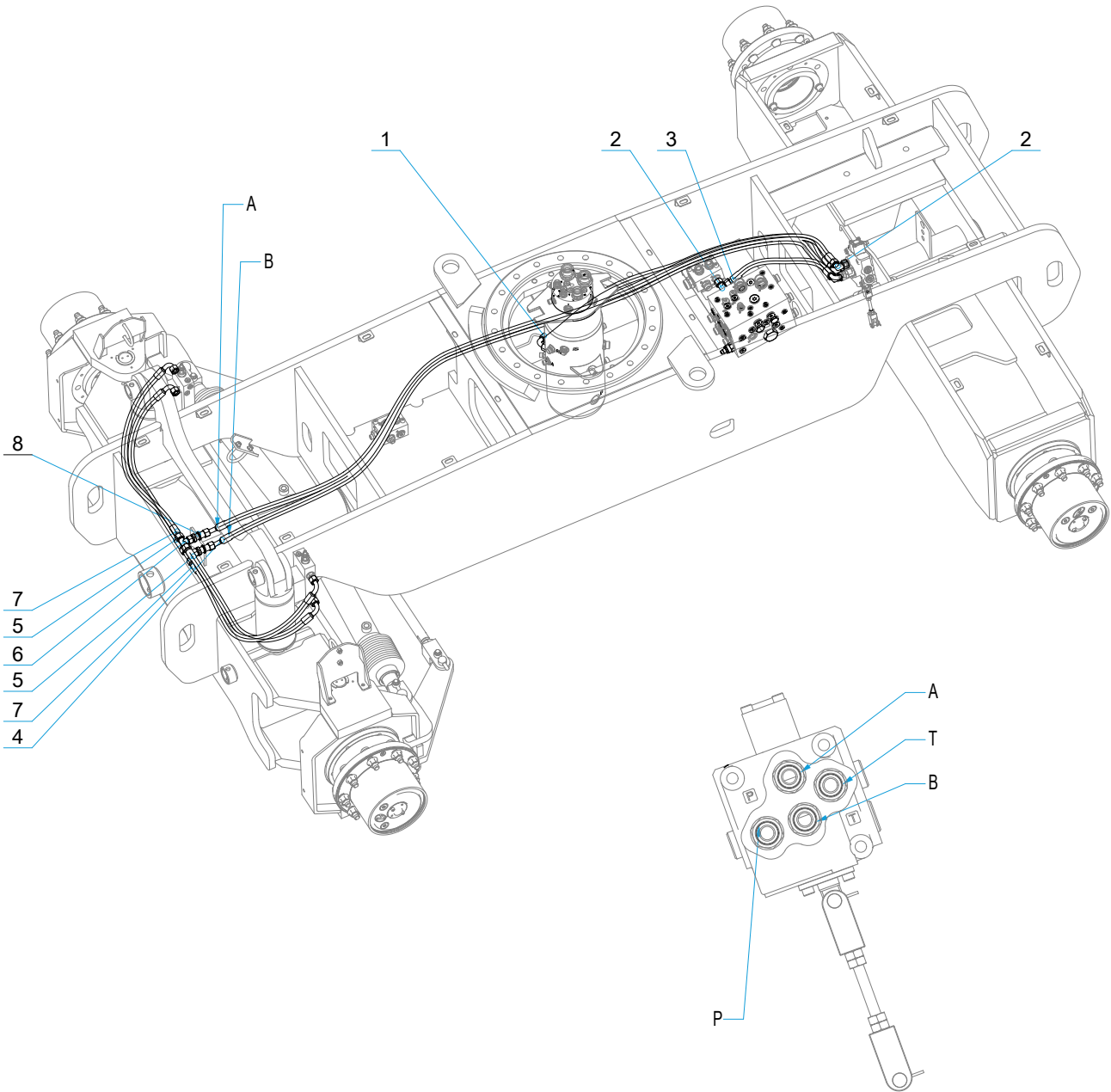
No.	Part No.	Qty.	Description
1	213050003095	1	Hose
2	213010000013	2	Coupler
3	213050013571	2	Hose
4	213050001505	2	Hose
5	213050013572	2	Hose
6	213010000144	2	Coupler
7	213050000999	1	Hose
8	213010000110	1	Coupler
9	213010000170	1	Coupler
10	213010000241	1	Coupler
11	213010000158	2	Coupler
12	213010000139	2	Coupler
13	213050000731	1	Hose
14	213010000152	4	Coupler
15	213050000260	1	Hose
16	213010000089	2	Coupler
17	213050000616	1	Hose
18	213050001456	1	Hose
19	213050005520	1	Hose

6.1.15 PIPE LAYOUT DRAWING OF STEERING



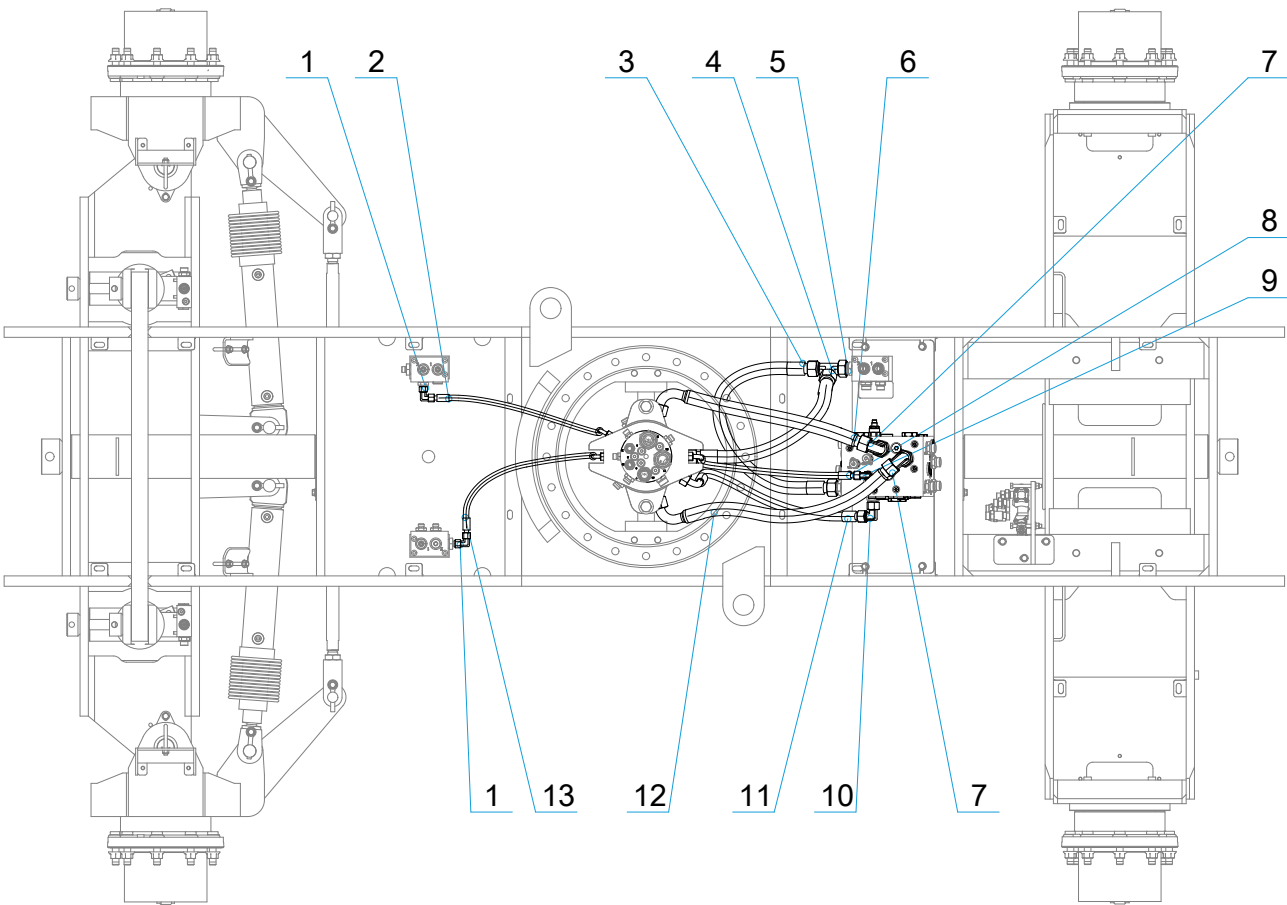
No.	Part No.	Qty.	Description
1	213050000044	2	Hose
2	213050000379	2	Hose
3	213010000055	4	Coupler
4	213010000032	2	Coupler
5	213010000031	4	Coupler

6.1.16 OSCILLATING PIPE LAYOUT DRAWING



No.	Part No.	Qty.	Description
1	213050000368	1	Hose
2	213010000055	4	Coupler
3	213050000369	1	Hose
4	213050012035	2	Hose
5	213050000044	2	Hose
6	213010000155	2	Coupler
7	213050003343	2	Hose
8	213010000087	2	Coupler

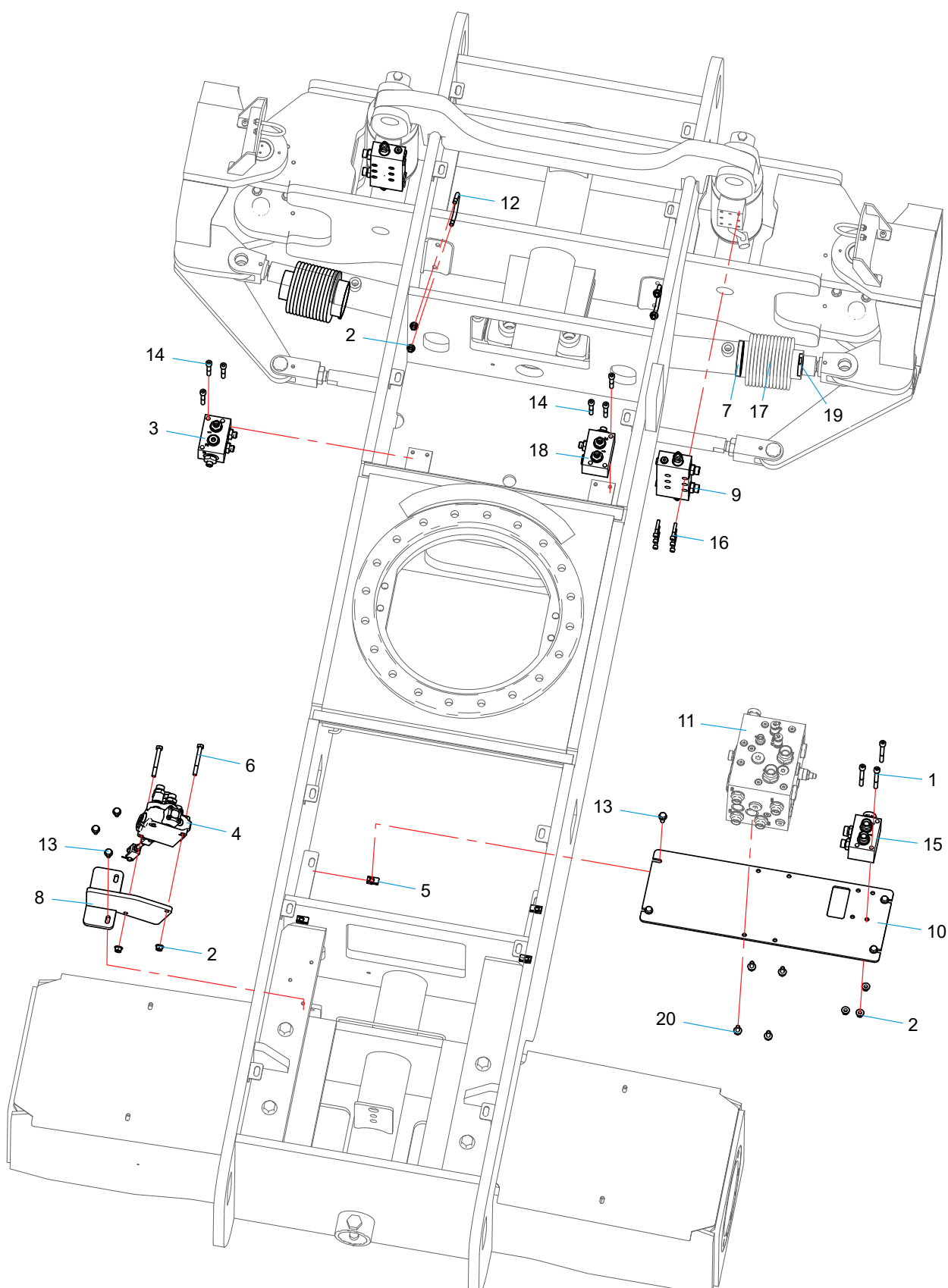
6.1.17 ROTARY COUPLER PIPE LAYOUT DRAWING



No.	Part No.	Qty.	Description
1	213010000024	2	Coupler
2	213050000453	1	Hose
3	213050000308	1	Hose
4	213050013564	1	Hose
5	213010000043	1	Coupler
6	213050013563	1	Hose
7	213010000056	2	Coupler
8	213050003300	1	Hose
9	213010000009	1	Coupler
10	213010000008	1	Coupler
11	213050001512	1	Hose
12	213050012091	1	Hose
13	213050003255	1	Hose

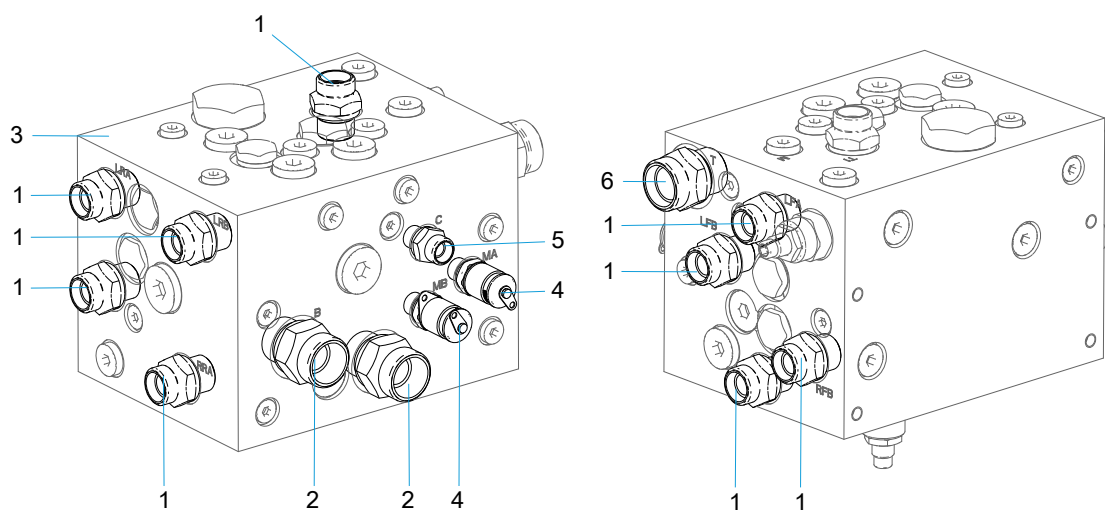
6.2 CHASSIS HYDRAULIC SYSTEM (NON-CONTINUOUS ROTATION CONFIG)

6.2.1 CHASSIS HYDRAULIC COMPONENTS INSTALLATION



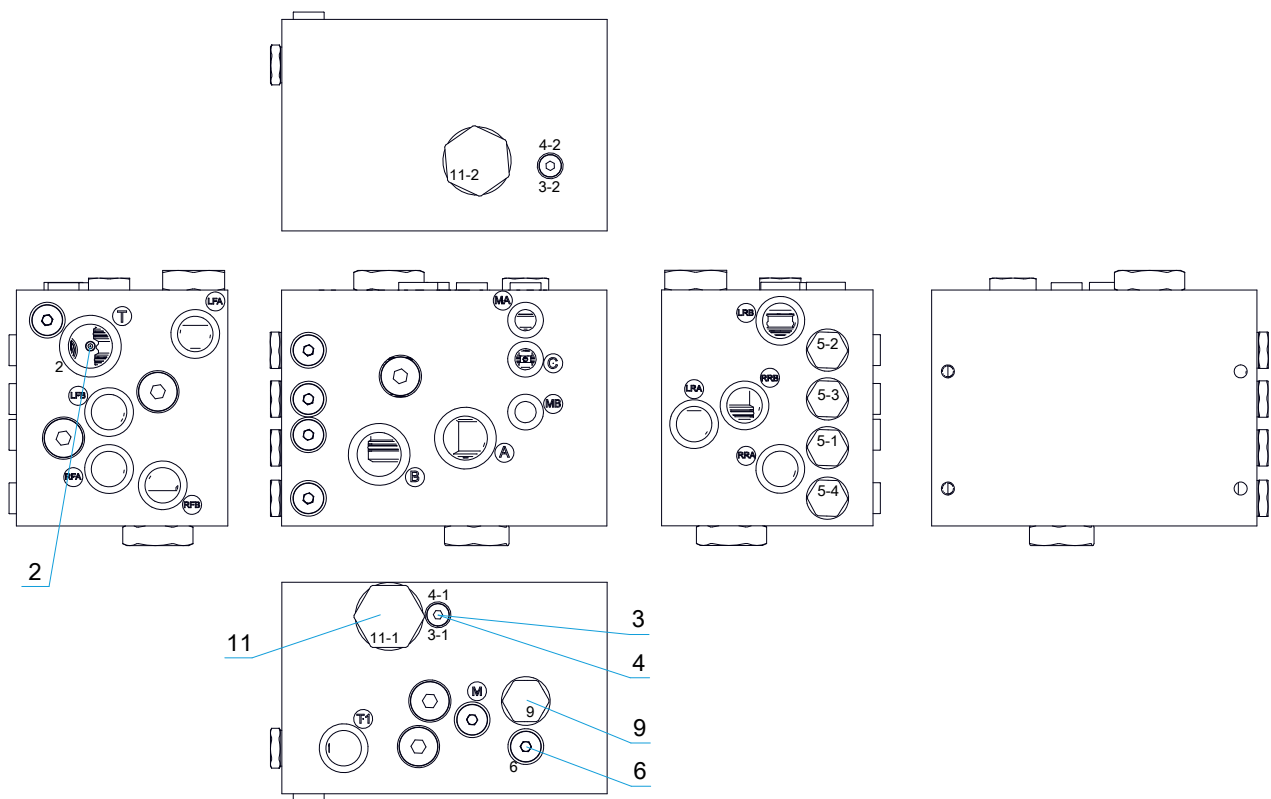
No.	Part No.	Qty.	Description
1	215020000041	3	Screw M8×70-8.8-ZnD GB/T 70.1
2	215030000108	9	Nut M8-8-ZnD GB/T 6183.1
3	105084053079	1	X-port 2-speed manifold & fittings installation(See details)
4	114015053096		OPT, INST, fittings (oscillate multi-way valve)(See details)
5	215030000106	4	B type spring nuts
6	215010000005	2	Bolt M8×70-8.8-ZnD GB/T 5782
7	216020000009	2	Hose clamp
8	103011033144	1	Bracket, mounting (multi-way valve, osci
9	105084053180	2	OPT, INST, fittings (counterbalance valve, oscillate)(See details)
10	105084033057	1	Plate
11	104031050084	1	Traction manifold & fittings installation(See details)
12	104016020023	2	U-clamp
13	215010000234	7	Bolt M8×20-8.8-ZnD GB/T 5789
14	215020000038	6	Screw M8×60-8.8-ZnD GB/T 70.1
15	105051053381	1	L-port drain manifold & fittings installation(See details)
16	215020000015	12	Screw M6×35-A2-70 GB/T 70.1
17	105047050001	2	Bellow, steer cylinder
18	105051053366	1	N-port brake manifold & fittings installation(See details)
19	216020000003	2	Clamp
20	215010000286	4	Bolt M8×16-8.8-ZnD GB/T 5789

6.2.2 DRIVE CONTROL VALVE AND FITTINGS INSTALLATION



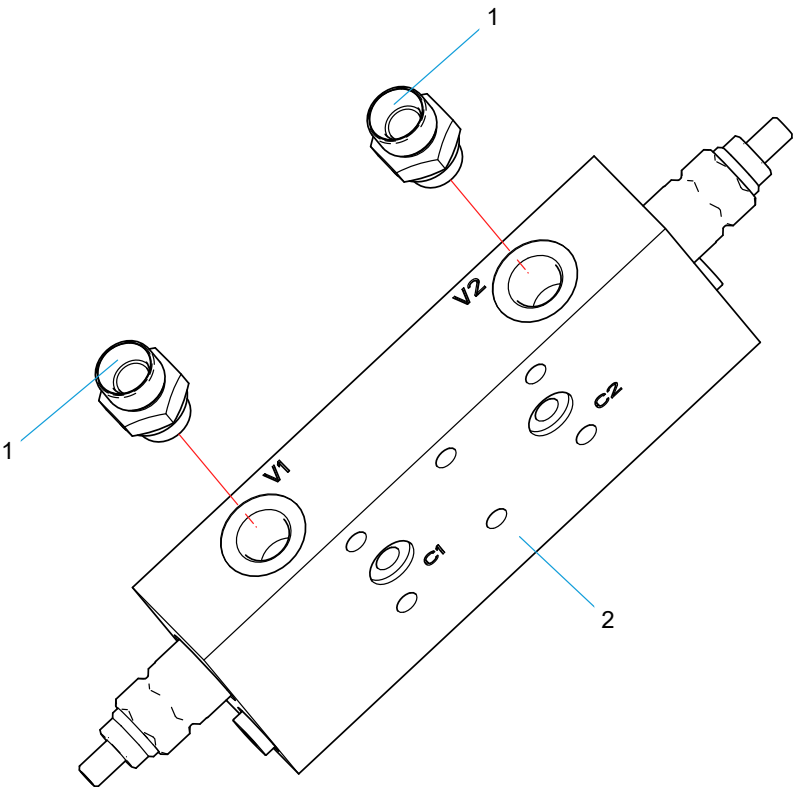
No.	Part No.	Qty.	Description
1	213010000039	9	Coupler
2	213010000018	2	Coupler
3	202040003985	1	Valve, control (travel)(See details)
4	213010000010	2	Coupler
5	213010000012	1	Coupler
6	213010000045	1	Coupler

6.2.3 DRIVE CONTROL VALVE (PN.202040003985)



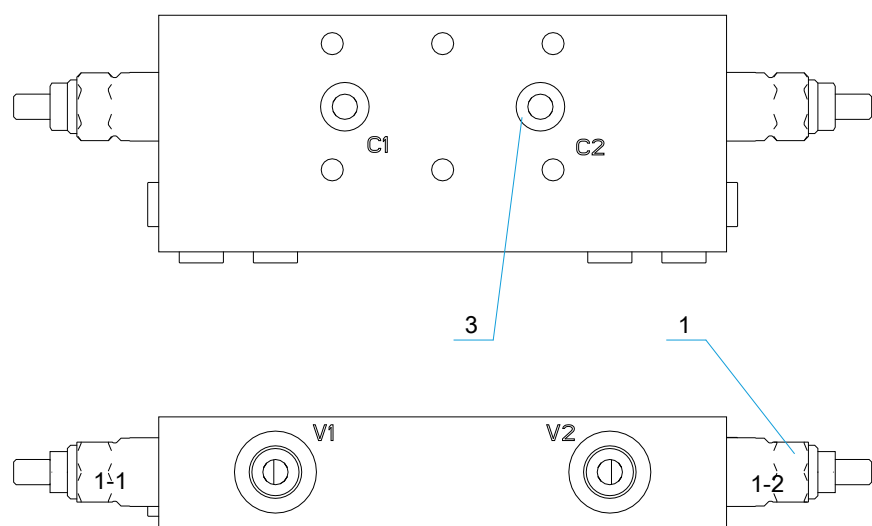
No.	Part No.	Qty.	Description
4	202130000008	2	Damper plug
3	202130003010	2	Damper
2	202130003015	1	Damper
5	202990003071	4	Check valve
9	202990003108	1	Flushing valve
6	202990003154	1	Shuttle valve
11	202990003211	2	Dividing-combining valve

6.2.4 OSCILLATE COUNTERBALANCE VALVE AND FITTINGS
INSTALLATION OPTIONS



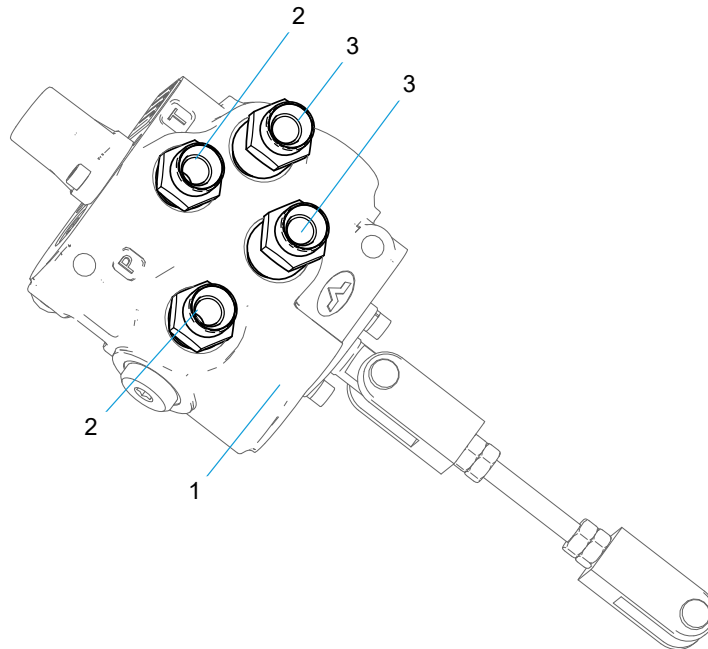
No.	Part No.	Qty.	Description
1	213010000005	2	Coupler
2	202040003786	1	Oscillate counterbalance manifold(See details)

6.2.5 OSCILLATE COUNTERBALANCE VALVE (PN.202040003786)



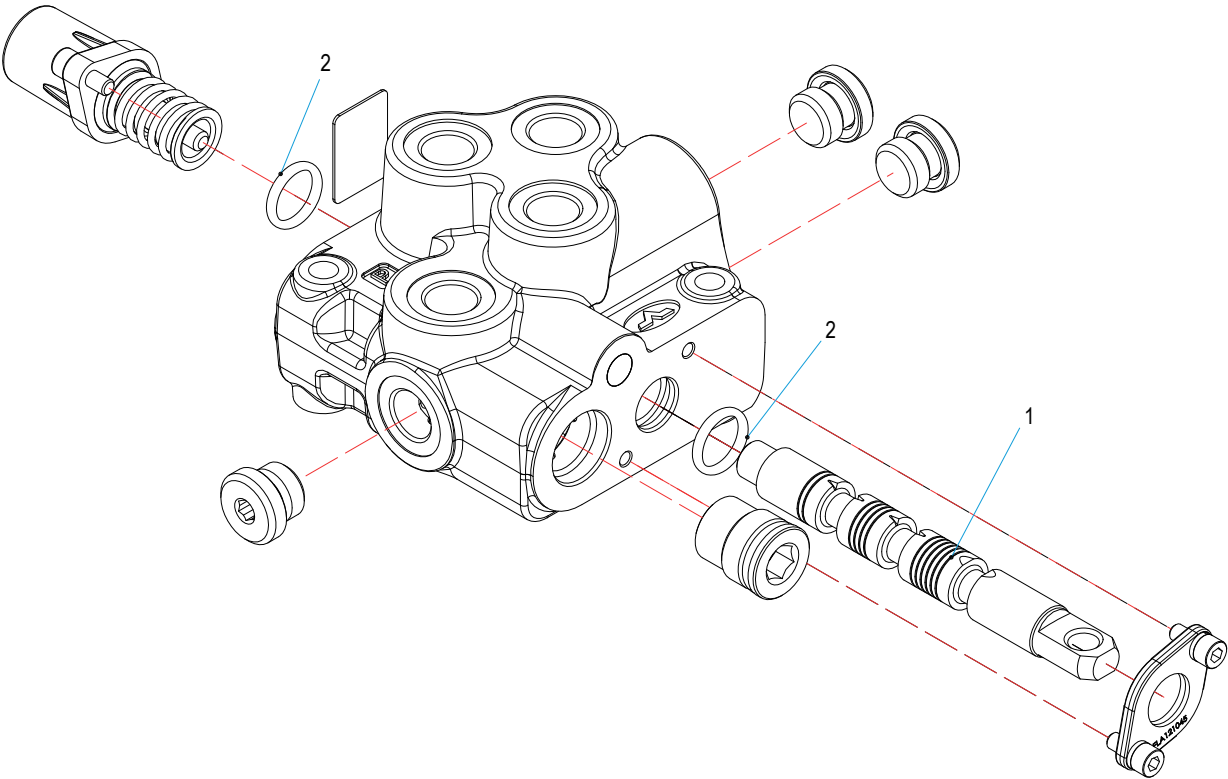
No.	Part No.	Qty.	Description
1	202040003216	2	Spool
3	207040003049	2	O-ring

6.2.6 OSCILLATE MULTI-WAY VALVE AND FITTINGS INSTALLATION OPTIONS



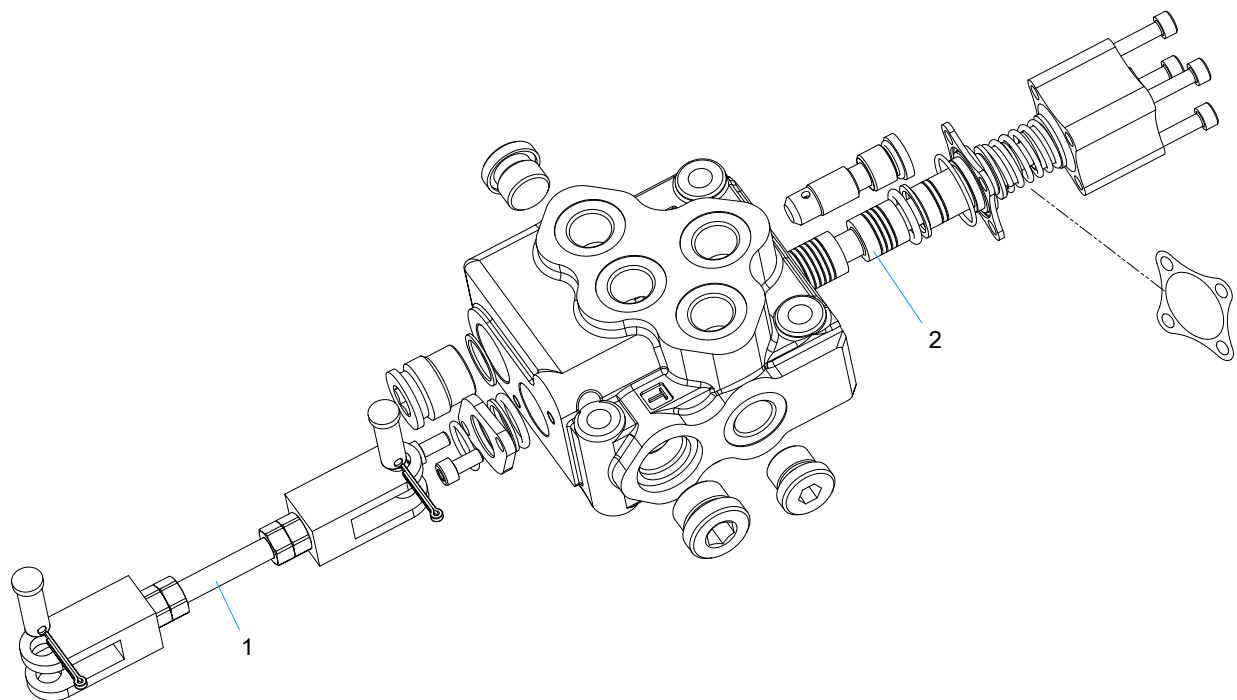
No.	Part No.	Qty.	Description
1-1	202040003026	1	Oscillate multi-way valve(SC: 1000191)
1-2	202040003485	1	Oscillate control manifold(SC: 1000179)
2	213010000005	2	Coupler
3	213010003251	2	Coupler

6.2.7 OSCILLATE MULTI-WAY VALVE (PN.202040003026)



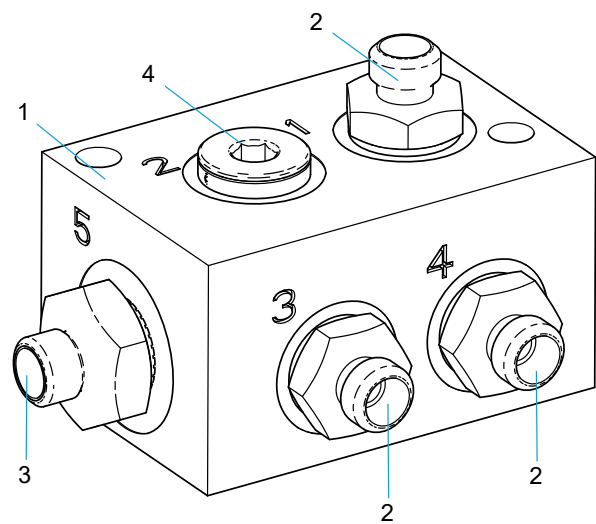
No.	Part No.	Qty.	Description
1	202990003065	1	Multi-way valve spool, oscillate
2	207060003007	2	O-ring

6.2.8 OSCILLATE MULTI-WAY VALVE (PN.202040003485)



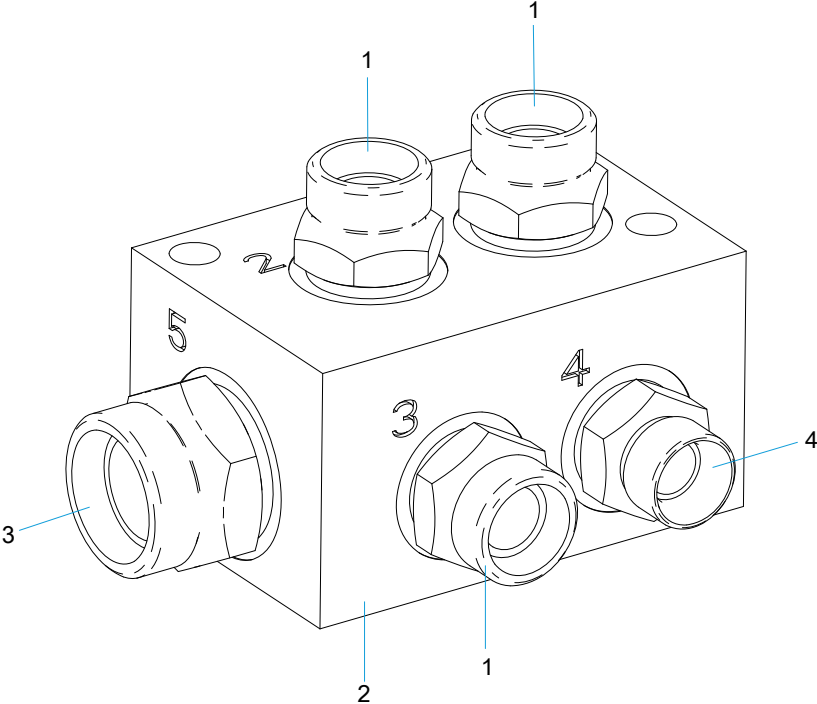
No.	Part No.	Qty.	Description
1	202990003905	1	Rod, tie
2	202990003904	1	Rod, vavle

6.2.9 2-SPEED MULTI-COUPLING AND FITTINGS INSTALLATION



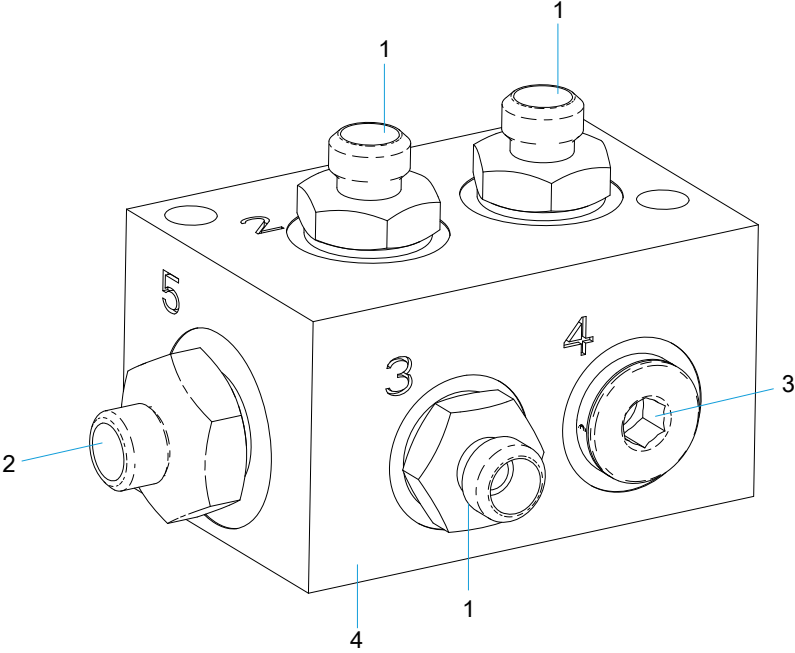
No.	Part No.	Qty.	Description
1	105001050037	1	Manifold
2	213010000047	3	Coupler
3	213010000138	1	Coupler
4	213060000001	1	Plug

6.2.10 DRAIN MULTI-COUPLING AND FITTINGS INSTALLATION



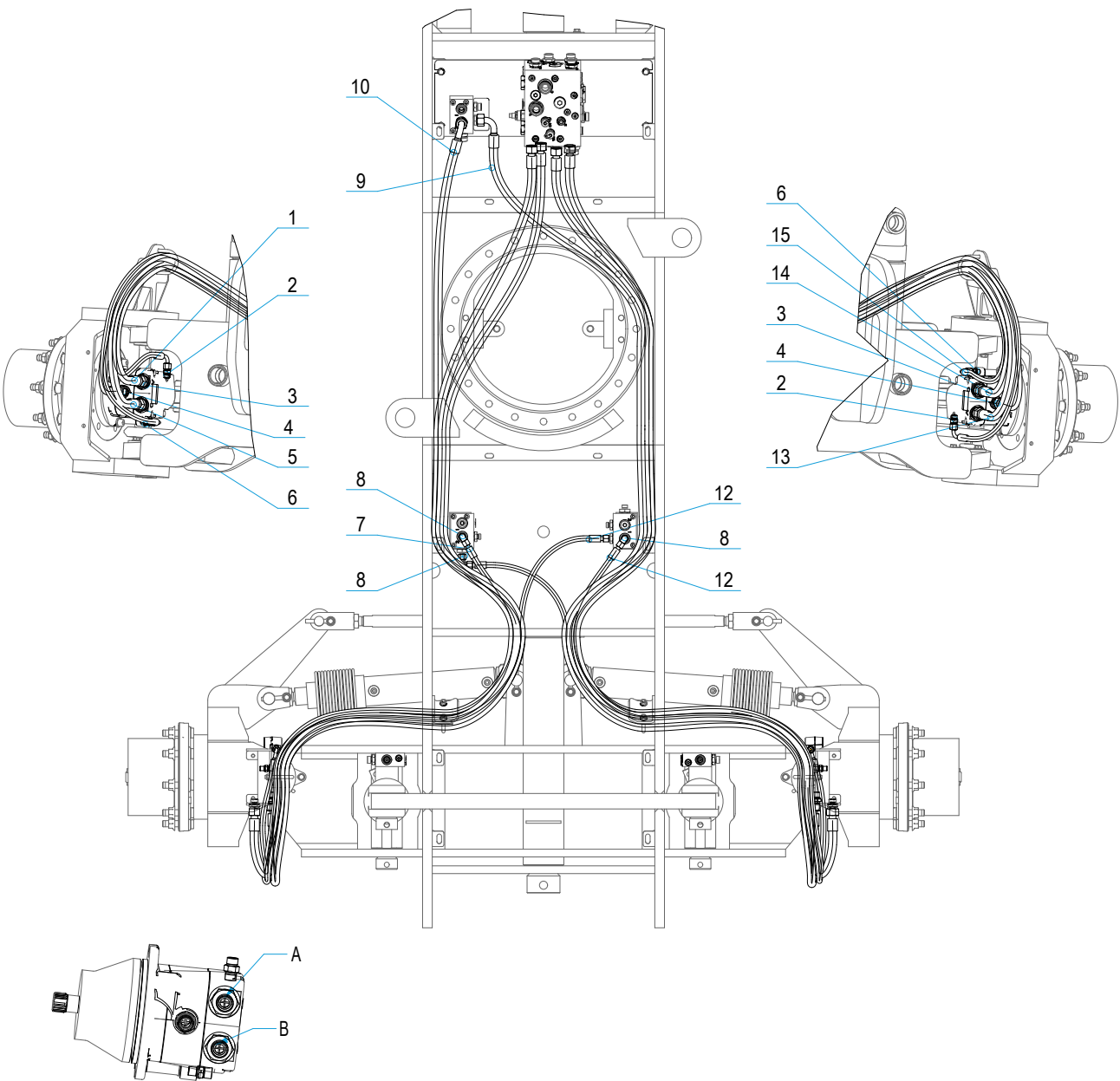
No.	Part No.	Qty.	Description
1	213010000003	3	Coupler
2	105001050037	1	Manifold
3	213010000017	1	Coupler
4	213010000005	1	Coupler

6.2.11 BRAKE MULTI-COUPLING AND FITTINGS INSTALLATION



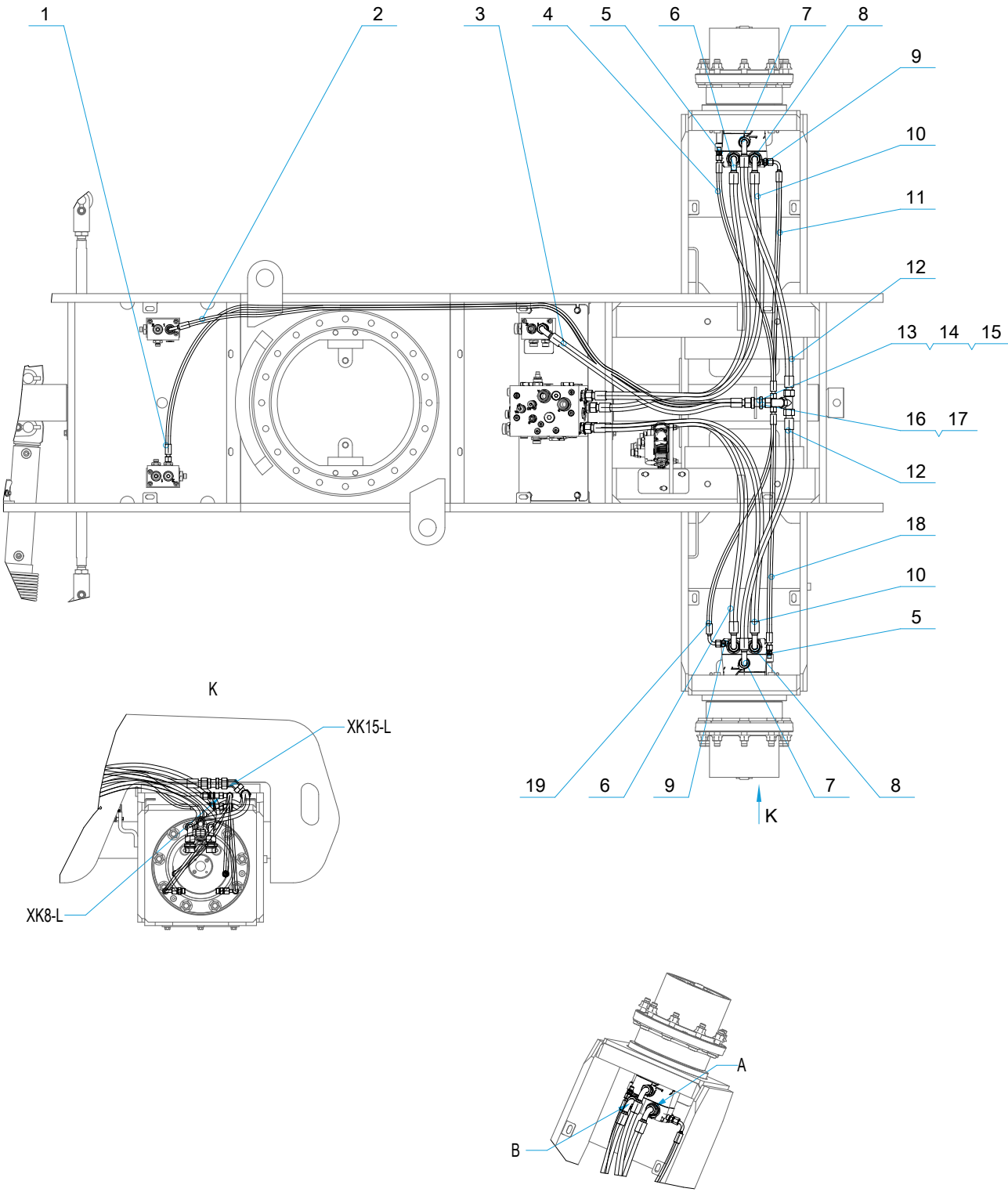
No.	Part No.	Qty.	Description
1	213010000047	3	Coupler
2	213010000138	1	Coupler
3	213060000001	1	Plug
4	105001050037	1	Manifold

6.2.12 PIPE LAYOUT DRAWING OF FRONT AXLE



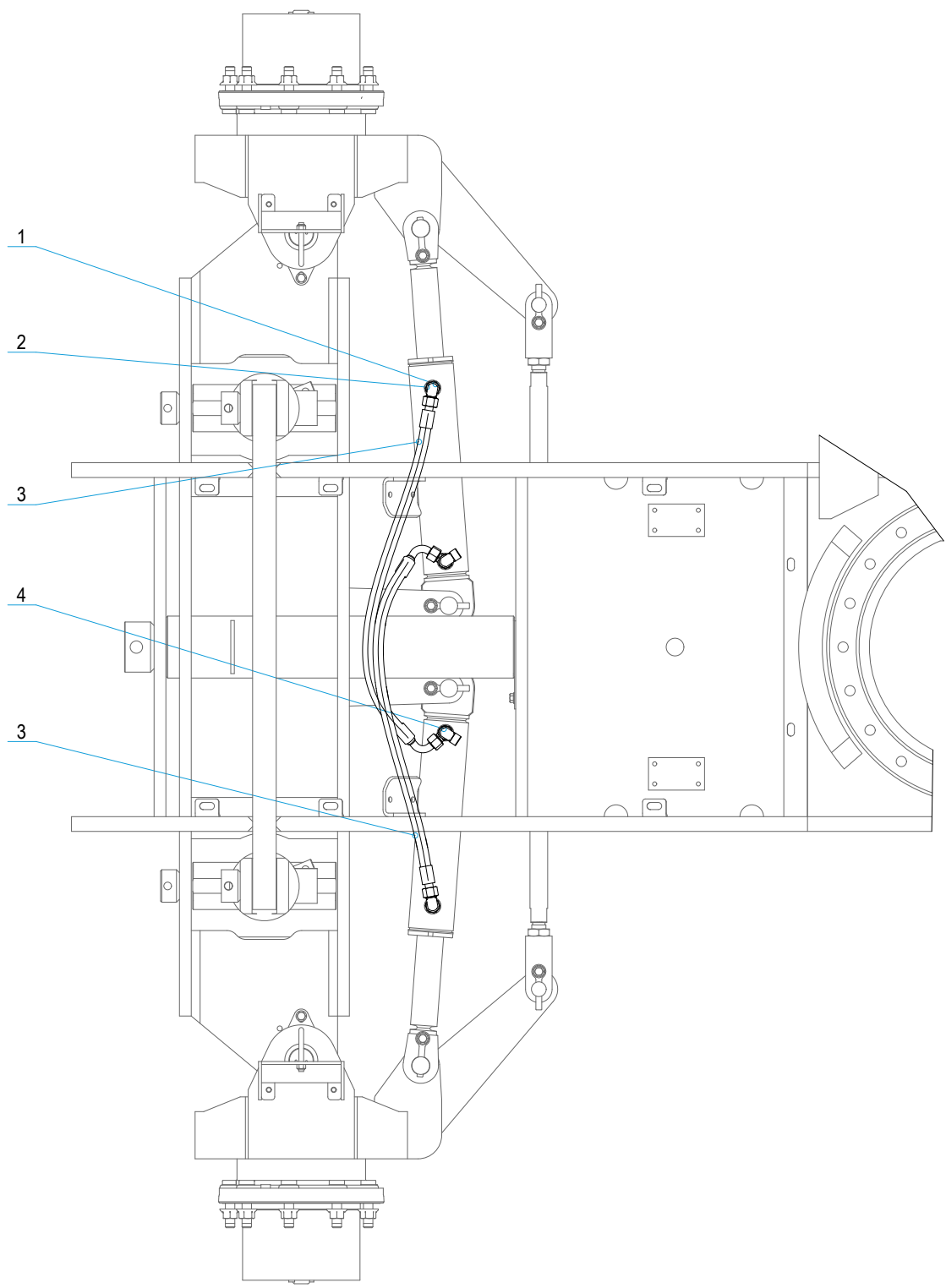
No.	Part No.	Qty.	Description
1	213050013578	1	Hose
2	213010000144	2	Coupler
3	213010000152	4	Coupler
4	213010000089	2	Coupler
5	213050013577	1	Hose
6	213010000013	2	Coupler
7	213050001487	1	Hose
8	213010000024	3	Coupler
9	213050000273	1	Hose
10	213050003564	1	Hose
12	213050000649	2	Hose
13	213050000598	1	Hose
14	213050013576	1	Hose
15	213050013579	1	Hose

6.2.13 PIPE LAYOUT DRAWING OF REAR AXLE



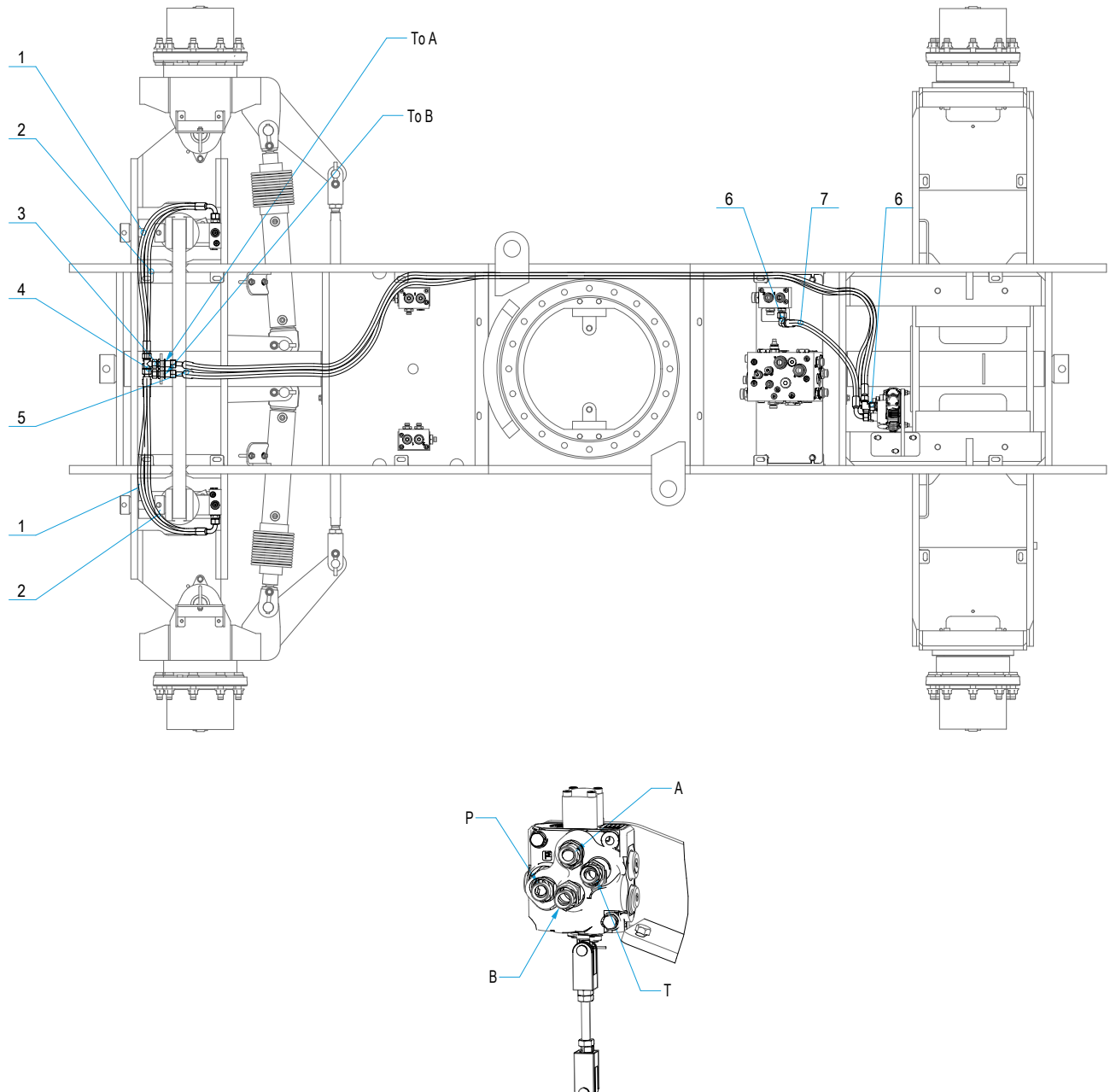
No.	Part No.	Qty.	Description
1	213050001456	1	Hose
2	213050005520	1	Hose
3	213050000731	1	Hose
4	213050003095	1	Hose
5	213010000013	2	Coupler
6	213050013571	2	Hose
7	213010000089	2	Coupler
8	213010000152	4	Coupler
9	213010000144	2	Coupler
10	213050013572	2	Hose
11	213050000999	1	Hose
12	213050001505	2	Hose
13	213010000110	1	Coupler
14	213010000170	1	Coupler
15	213010000241	1	Coupler
16	213010000139	2	Coupler
17	213010000158	2	Coupler
18	213050000260	1	Hose
19	213050000616	1	Hose

6.2.14 PIPE LAYOUT DRAWING OF STEERING



No.	Part No.	Qty.	Description
1	213010000055	4	Coupler
2	213010000031	4	Coupler
3	213050000044	2	Hose
4	213010000032	2	Coupler

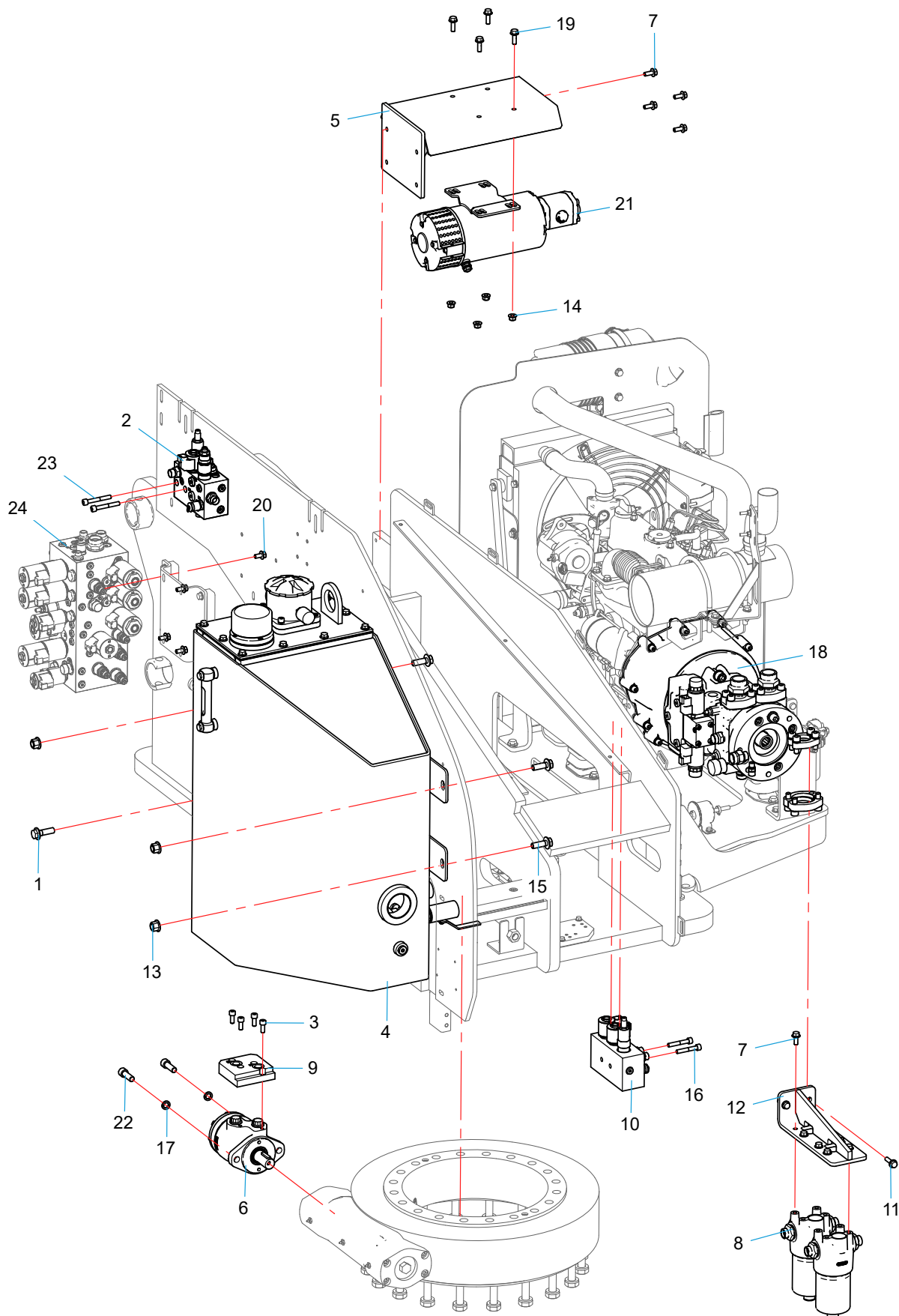
6.2.15 OSCILLATING PIPE LAYOUT DRAWING



No.	Part No.	Qty.	Description
1	213050003343	2	Hose
2	213050000044	2	Hose
3	213010000087	2	Coupler
4	213010000155	2	Coupler
5	213050012035	2	Hose
6	213010000055	3	Coupler
7	213050000369	1	Hose

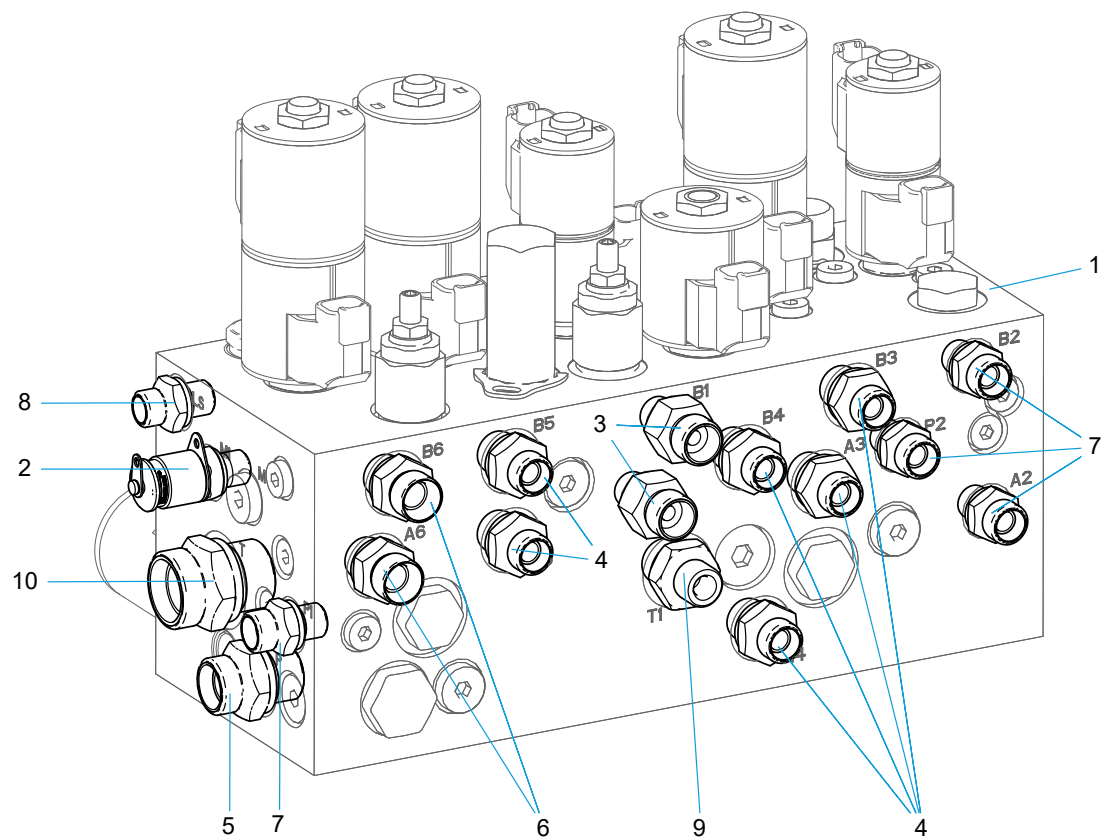
6.3 TURNTABLE HYDRAULIC SYSTEM (CONTINUOUS ROTATION CONFIG)

6.3.1 TURNTABLE HYDRAULIC COMPONENTS INSTALLATION



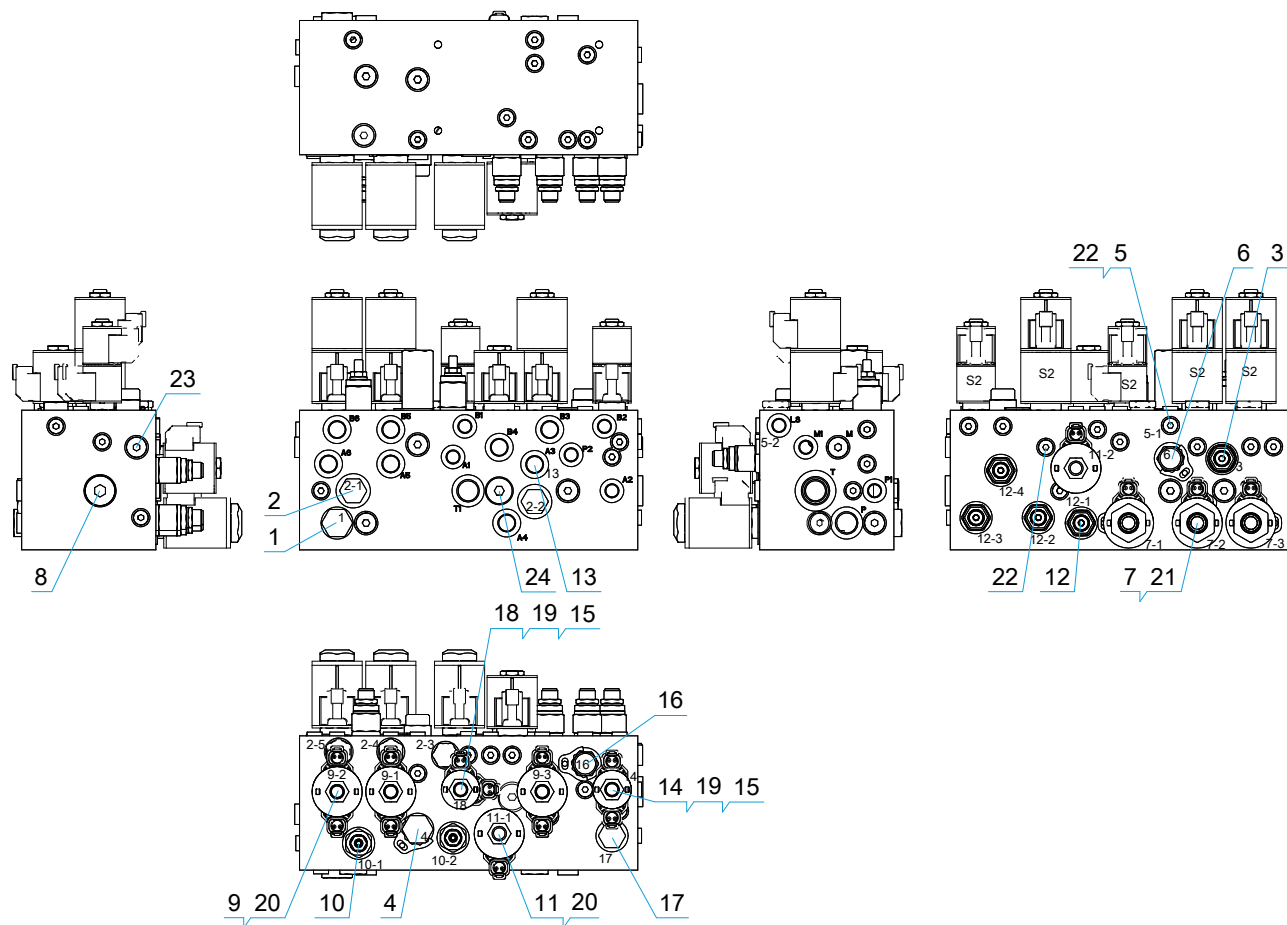
No.	Part No.	Qty.	Description
1	215010000244	1	Bolt M12×40-8.8 ZnD GB/T 5789
2	105084053141	1	Float Control Valve & Fittings Installation(See details)
3	215020000023	4	Screw M8×20-8.8-ZnD GB/T 70.1
4	104030050023		Hydraulic tank assembly option
4-1	104009020149	1	Hydraulic tank assembly(For use without cold weather heating package, see details)
4-2	104030050024	1	Hydraulic tank assembly(For use with cold weather heating package, see details)
5	105001020254	1	Bracket
6	103011053176		Cycloid motor options
6-1	202020000014	1	Cycloid motor(SC: 1000035)
6-2	202020003090	1	Cycloid motor(SC: 1000107, see later for subcomponent information)
7	215010000234	12	Bolt M8×20-8.8-ZnD GB/T 5789
8	103011053052	2	Filter & fittings installation options(See details)
9	202990003005	1	Slewing transition block
10	105051053275	1	Brake/2-speed valve & fittings installation(SC: 1000176, see details)
11	215010000236	2	Bolt M8×30-8.8-ZnD GB/T 5789
12	105030023001	1	Bracket
13	215030000110	3	Nut M12-8-ZnD GB/T 6183
14	215030000108	6	Nut M8-8-ZnD GB/T 6183.1
15	215010000270	3	Bolt M12×35-10.9-DKL GB/T 5789
16	215020000032	2	Screw M8×50-8.8-ZnD GB/T 70.1
17	215040000007	2	Washer 12-ZnD GB/T 93
18	104030050021		Pump drive options
18-1	104030050022	1	Kubota engine, pump drive(See details)
19	215010000235	4	Bolt M8×25-8.8-ZnD GB/T 5789
20	215010000286	4	Bolt M8×16-8.8-ZnD GB/T 5789
21	105074053142		Emergency power unit options
21-1	202010000041	1	Power unit, 12V(SC: 1000250, see later for subcomponent information)
21-2	202010003090	1	Power unit(SC: 1000631, see later for subcomponent information)
22	215020000076	2	Screw M12×35-8.8-ZnD GB/T 70.1
23	215020000038	2	Screw M8×60-8.8-ZnD GB/T 70.1
24	104030050019	1	Boom function manifold & fittings installation(See details)

6.3.2 BOOM FUNCTION VALVE AND FITTINGS INSTALLATION



No.	Part No.	Qty.	Description
1	104030050020		Boom function manifold options
1-1	202040003817	1	Boom function manifold(See details)
2	213010000010	1	Coupler
3	213010000036	2	Coupler
4	213010000006	6	Coupler
5	213010000039	1	Coupler
6	213010000005	2	Coupler
7	213010000012	4	Coupler
8	213010000007	1	Fitting
9	213010000125	1	Coupler
10	213010000045	1	Coupler

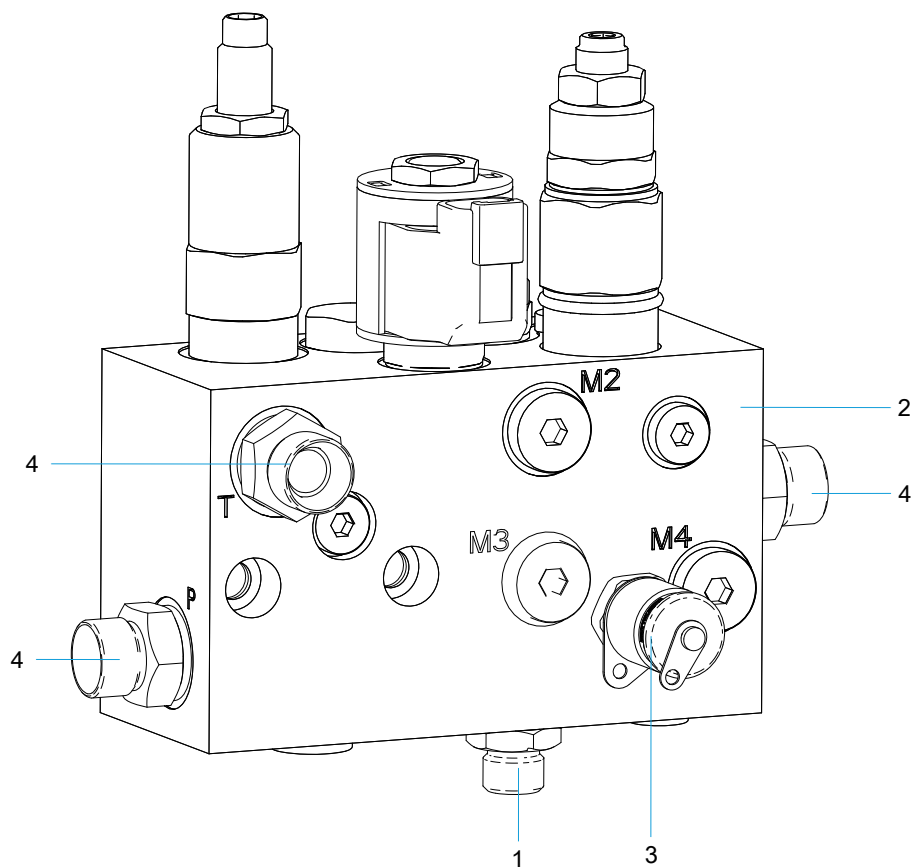
6.3.3 BOOM FUNCTION MANIFOLD (PN.202040003817)



No.	Part No.	Qty.	Description
1	202990003095	1	Check valve
2	202990003071	5	Check valve
3	202990000011	1	Spool
4	202990003263	1	logical valve
5	202130003003	2	Damper
6	202990003640	1	Valve,flow
7	202990000005	3	Spool
9	202990003282	3	Solenoid valve
10	202990003539	2	Two way relief valve
11	202040003334	2	Solenoid valve
12	202040003150	4	Relief valve
13	202130000005	1	Damper plug
14	202040000399	1	Solenoid valve
16	202990003042	1	Pressure compensator valve
17	202990003044	1	Bi-directional hydraulic lock
18	202990003008	1	3-position 4-way solenoid directional valve

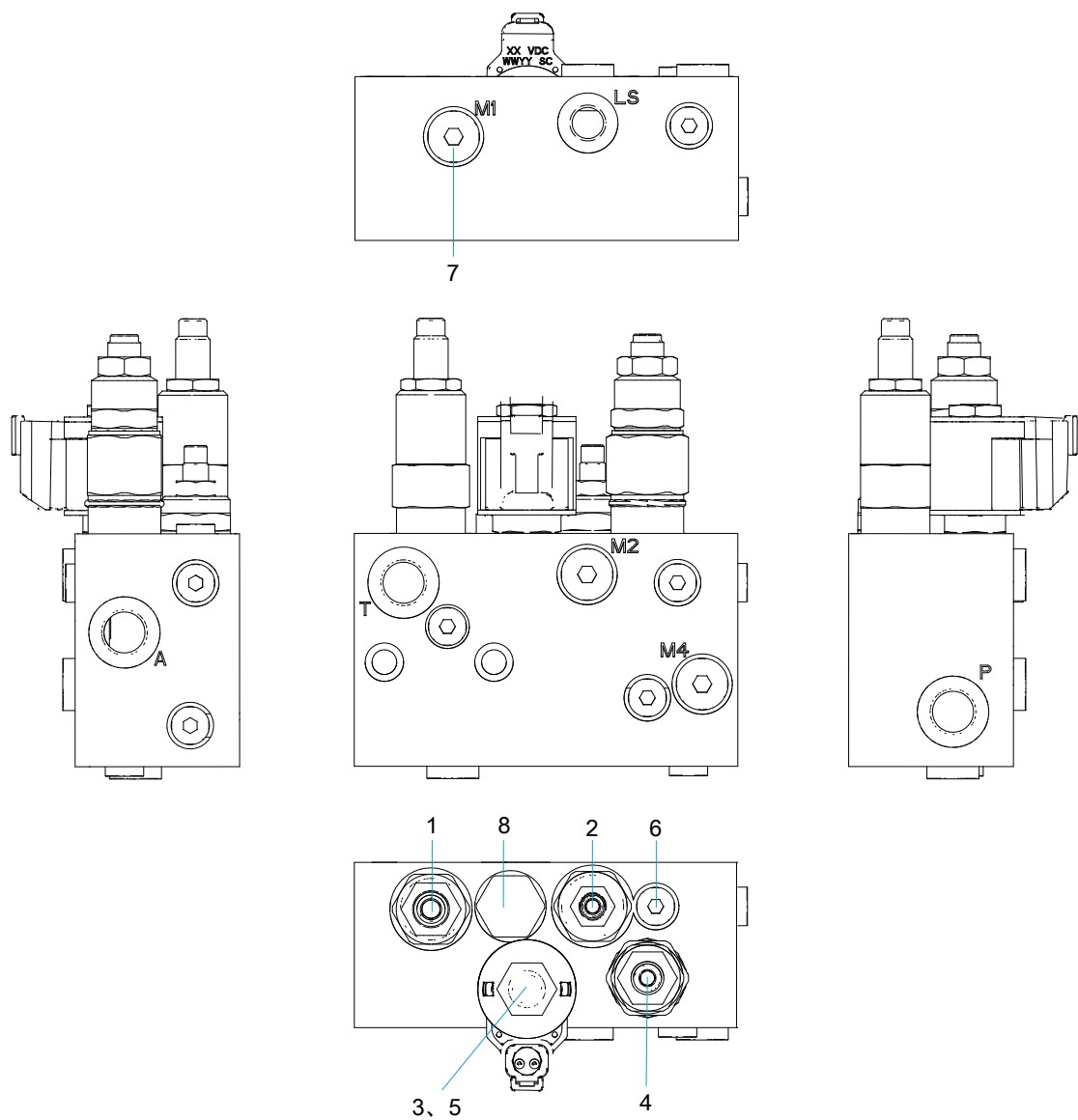
No.	Part No.	Qty.	Description
19	202040003153	4	Coil
20	202990003712	8	Coil
21	202990003714	3	Coil

6.3.4 OSCILLATE CONTROL VALVE AND FITTINGS INSTALLATION



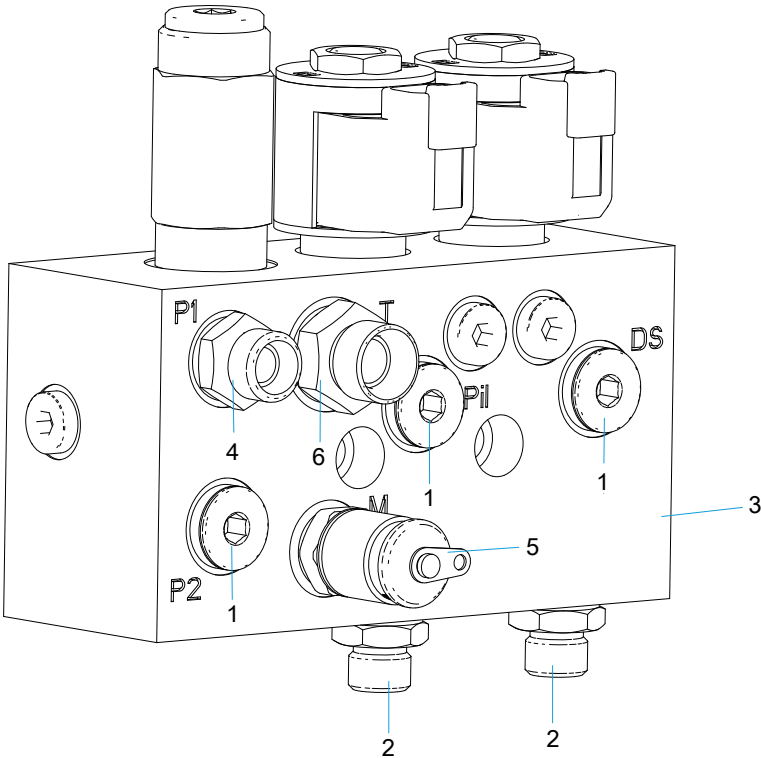
No.	Part No.	Qty.	Description
1	213010000007	1	Fitting
2	202040003521	1	Oscillate control valve
3	213010000010	1	Coupler
4	213010000005	3	Coupler

6.3.5 OSCILLATE CONTROL VALVE (PN.202040003521)



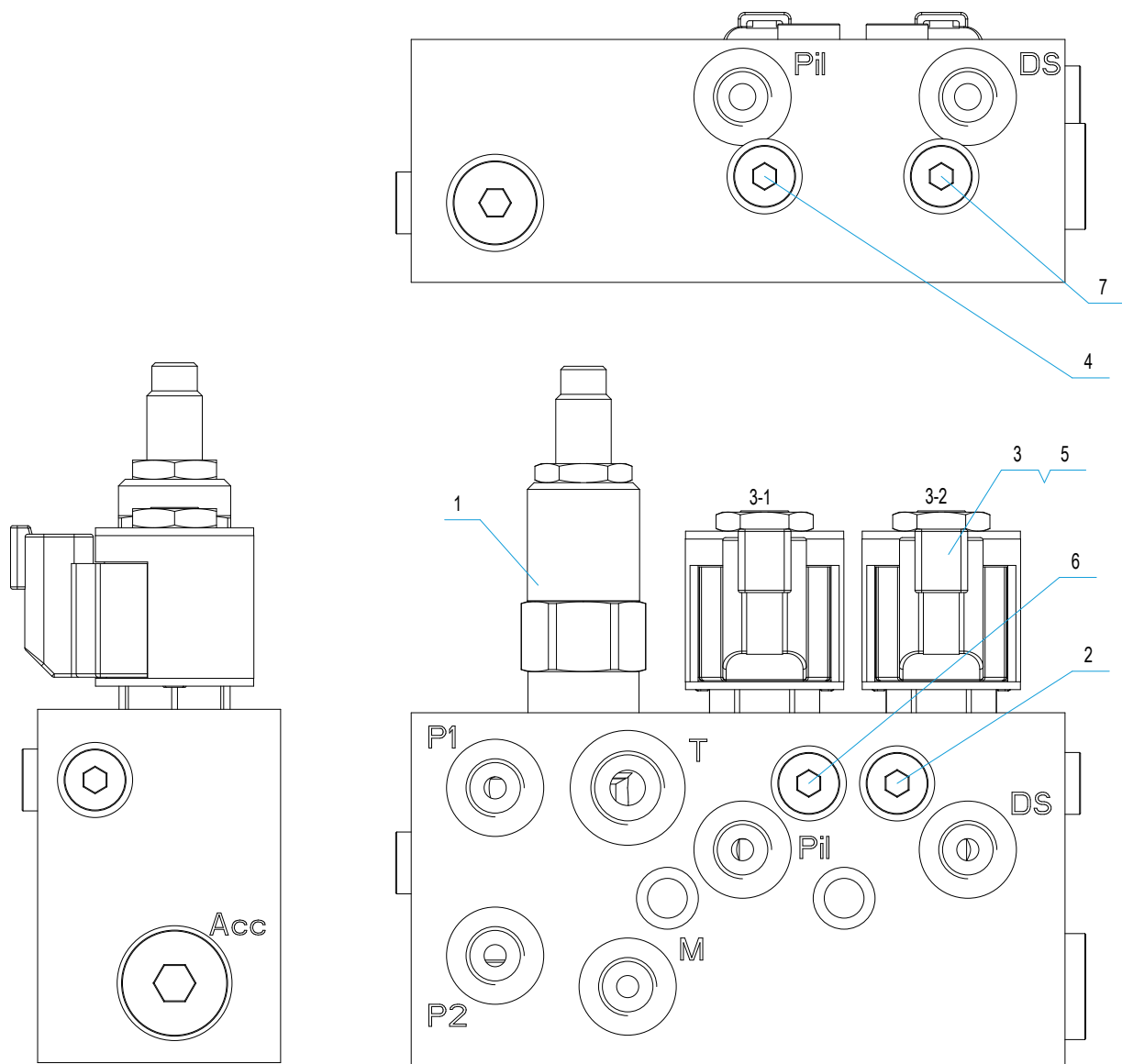
No.	Part No.	Qty.	Description
1	202040003345	1	Pressure reducing valve
2	202040003353	1	Flow valve
3	202040003351	1	Solenoid valve
4	202040003346	1	Hydraulic controlled valve
5	202990000037	1	Coil
6	202130003003	1	Damper
7	202990003192	1	High pressure piece
8	202990003071	1	Check valve

6.3.6 BRAKE/2-SPEED CONTROL VALVE (1000176) AND FITTINGS
INSTALLATION



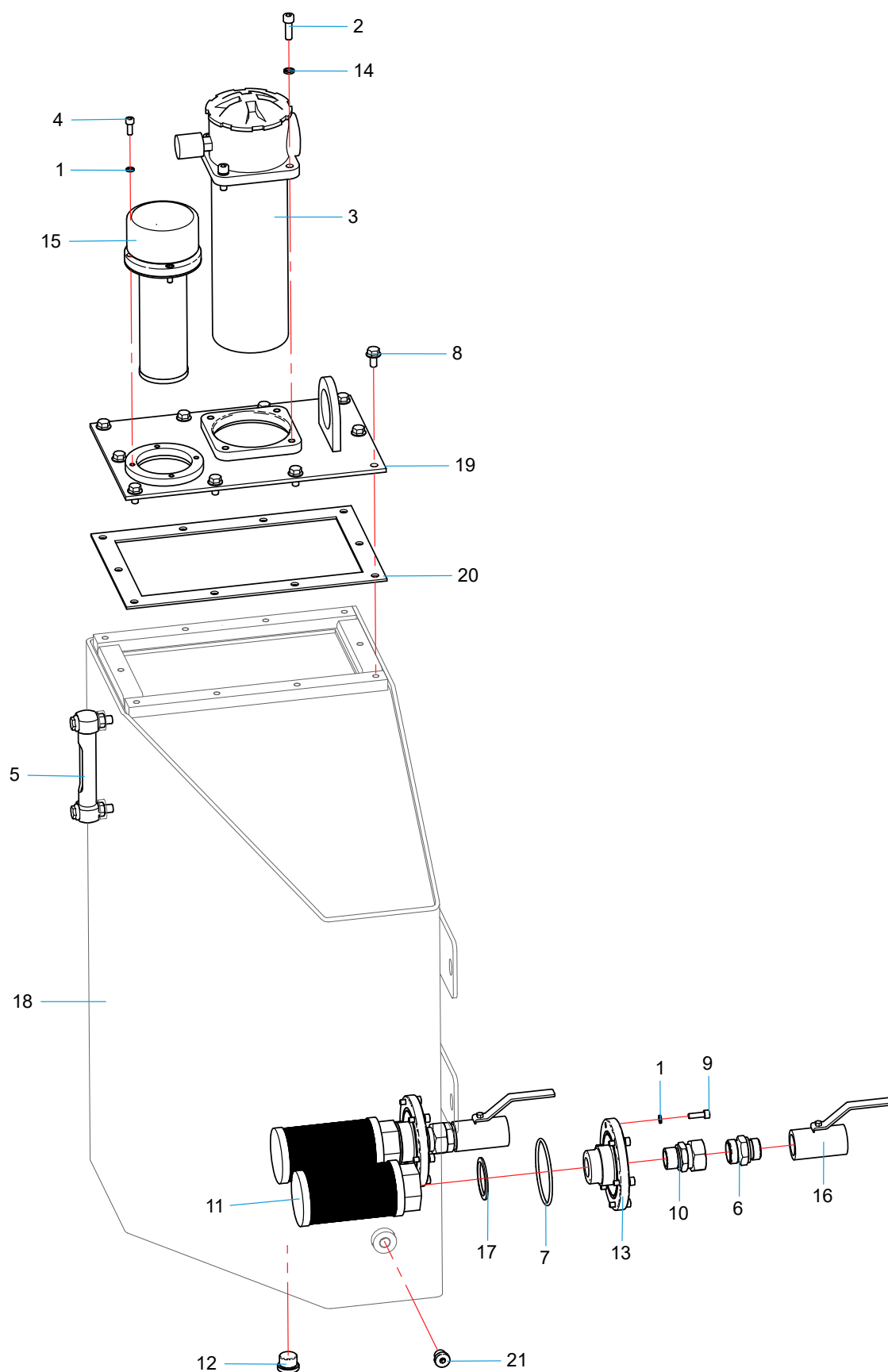
No.	Part No.	Qty.	Description
1	213060000003	3	Plug
2	213010000007	2	Fitting
3	202040000006	1	Brake/2-speed control valve(12V)
4	213010000012	1	Coupler
5	213010000010	1	Coupler
6	213010000005	1	Coupler

6.3.7 BRAKE/2-SPEED CONTROL VALVE (PN.202040000006)



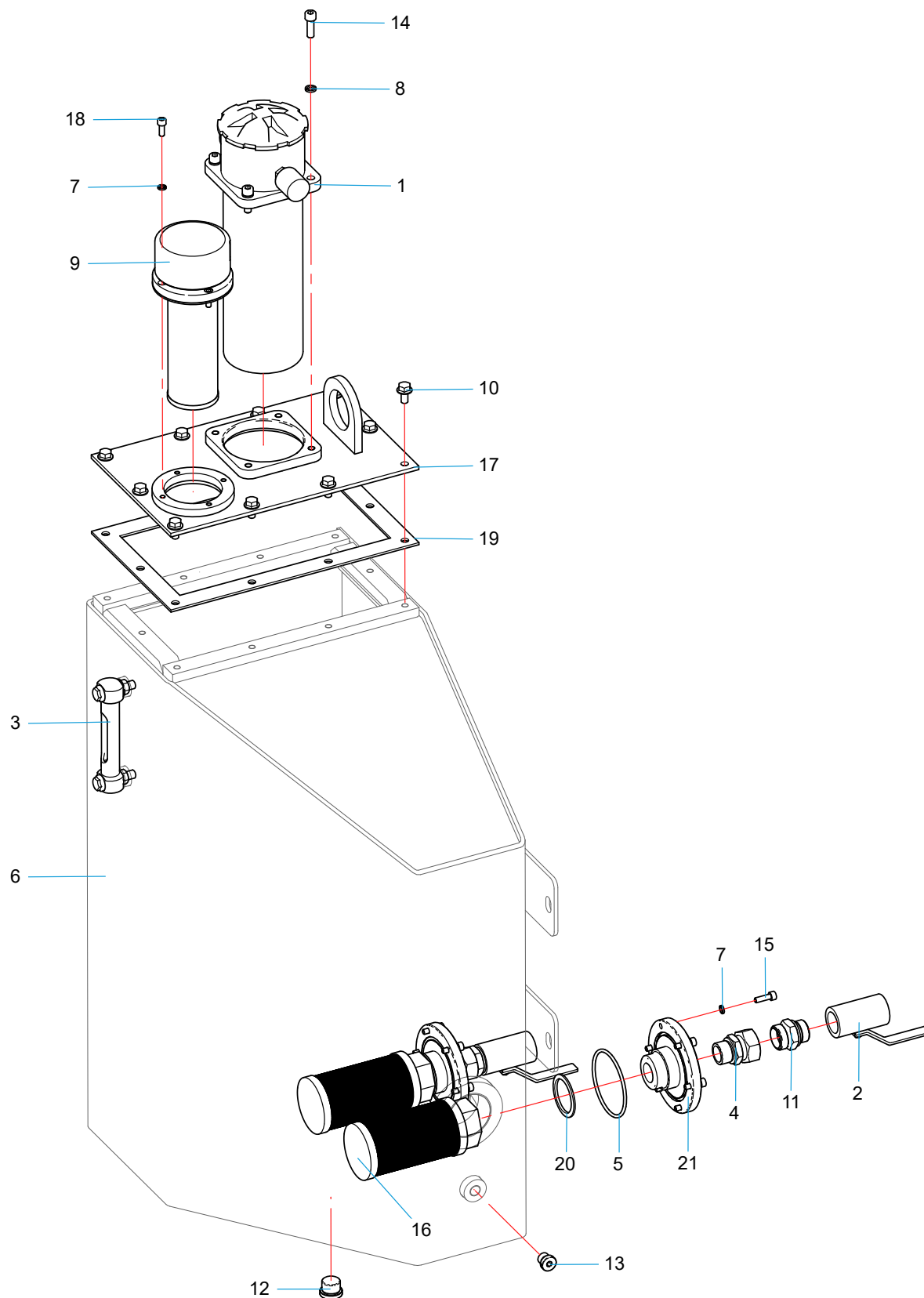
No.	Part No.	Qty.	Description
1	202990003103	1	Relief valve
2	202130000008	1	Damper plug
3	202990003158	2	Solenoid valve
4	202130000004	1	Plug
5	202990000037	2	Coil
6	202130003015	1	Damper
7	202130000001	1	Damper

6.3.8 HYDRAULIC TANK ASSEMBLY (PN.104009020149)



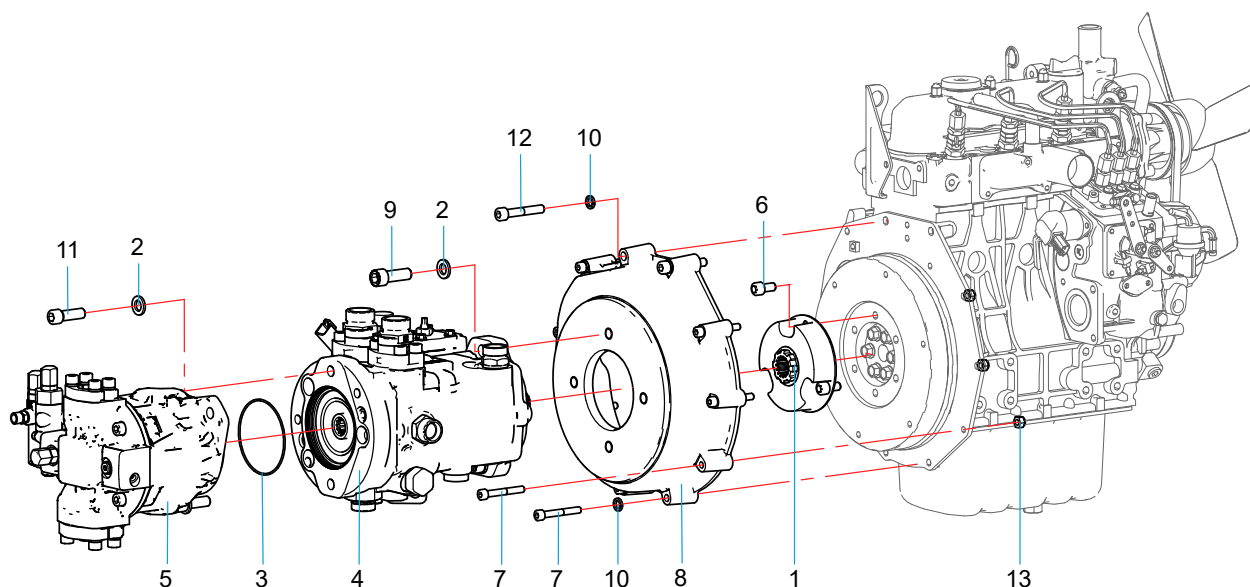
No.	Part No.	Qty.	Description
1	215040000004	16	Washer 6-A2-70 GB/T 93
2	215020000024	4	Screw M8×25-8.8-ZnD GB/T 70.1
3	202080000007	1	Oil return filter
4	215020000011	4	Screw M6×16-A2-70 GB/T 70.1
5	202120000005	1	Level gauge
6	105001050027	2	Fitting, non-standard
7	207040000020	2	O ring 77.5×3.55 GB/T 3452.1
8	215010000286	10	Bolt M8×16-8.8-ZnD GB/T 5789
9	215020000012	12	Screw M6×20-A2-70 GB/T 70.1
10	213010000123	2	Fitting
11	202080000006	2	Suction filter
12	213060000004	1	Plug
13	104009020135	2	Flange
14	215040000005	4	Washer 8-ZnD GB/T 93
15	202070003014	1	Air filter
15a	202070003015	1	Filter element
16	202040000049	2	Ball valve
17	207060000005	2	Combined sealing ring
18	104009020134	1	Hydraulic tank
19	104009020145	1	Fuel tank plate
20	104009020151	1	Rubber plate
21	213060000010	1	Plug

6.3.9 HYDRAULIC TANK ASSEMBLY (PN.104030050024)



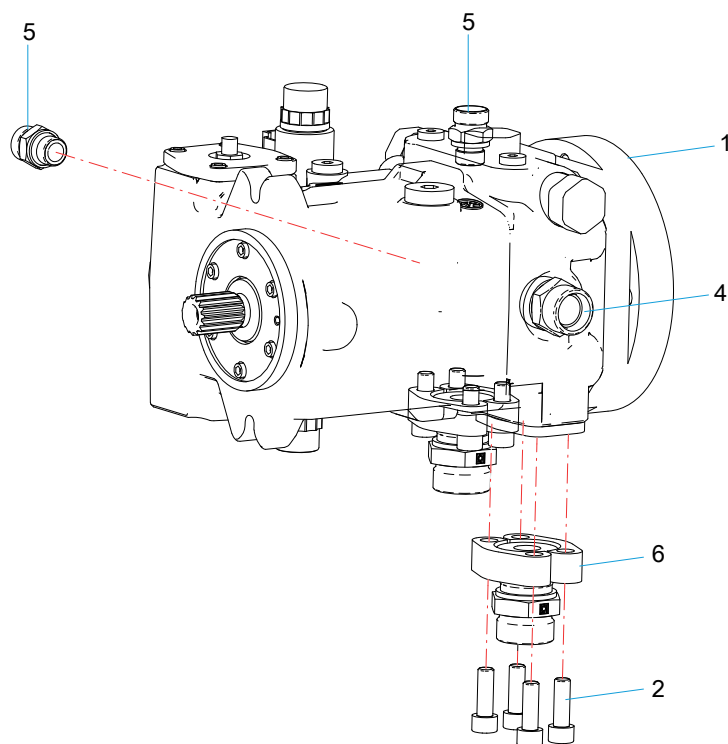
No.	Part No.	Qty.	Description
1	202080000007	1	Oil return filter
2	202040000049	2	Ball valve
3	202120000005	1	Level gauge
4	213010000123	2	Fitting
5	207040000020	2	O ring 77.5×3.55 GB/T 3452.1
6	104030050025	1	Hydraulic tank
7	215040000004	16	Washer 6-A2-70 GB/T 93
8	215040000005	4	Washer 8-ZnD GB/T 93
9	202070003014	1	Air filter
9a	202070003015	1	Filter element
10	215010000286	10	Bolt M8×16-8.8-ZnD GB/T 5789
11	105001050027	2	Fitting, non-standard
12	213060000004	1	Plug
13	213060000010	1	Plug
14	215020000024	4	Screw M8×25-8.8-ZnD GB/T 70.1
15	215020000012	12	Screw M6×20-A2-70 GB/T 70.1
16	202080000006	2	Suction filter
17	104009020145	1	Fuel tank plate
18	215020000011	4	Screw M6×16-A2-70 GB/T 70.1
19	104009020151	1	Rubber plate
20	207060000005	2	Combined sealing ring
21	104009020135	2	Flange

6.3.10 KUBOTA OIL PUMP TRANSMISSION



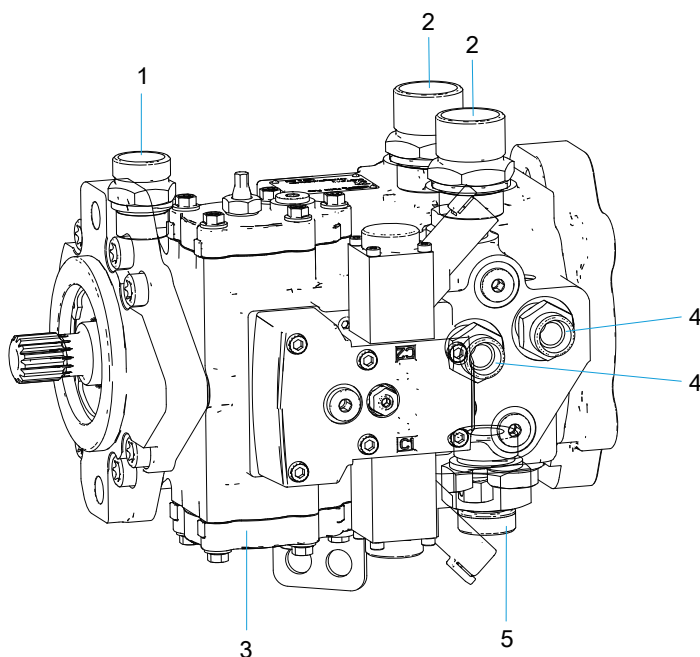
No.	Part No.	Qty.	Description
1	204040003010	1	Shaft coupling
2	215040000051	4	Washer 12-DKL GB/T 1230
3	207040000060	1	O-ring
4	105051053288		Options, Closed-circuit pump & fittings installation
4-1	105051053290	1	Closed-circuit pump & fittings installation(SC: 1000054)
4-2	105051053301	1	Closed-circuit pump & fittings installation(SC: 1000107)
5	105084053144		Open-circuit pump & fittings installation, options
5-1	105084053143	1	Open-circuit pump & fittings installation(SC: 1000054)
5-2	105084053164	1	Open-circuit pump & fittings installation(SC: 1000857)
6	215020000332	3	Screw M10×1.25×20-10.9-DKL GB/T 70.1
7	215020000038	9	Screw M8×60-8.8-ZnD GB/T 70.1
8	102004030082	1	Cover, flywheel flange
9	215020000245	2	Screw M14×40-10.9 GB/T 70.1
10	215040000006	8	Washer 10-ZnD GB/T 93
11	215080000005	2	Hexagon socket head cap screw 1/2-13UNC-1.5-GR8-DKL ASME B18.3
12	215020000333	2	Screw M10×1.25×60-8.8-ZnD GB/T 70.1
13	215030000026	3	Nut M8-8-ZnD GB/T889.1

6.3.11 CLOSED PUMP (1000054) AND FITTINGS INSTALLATION



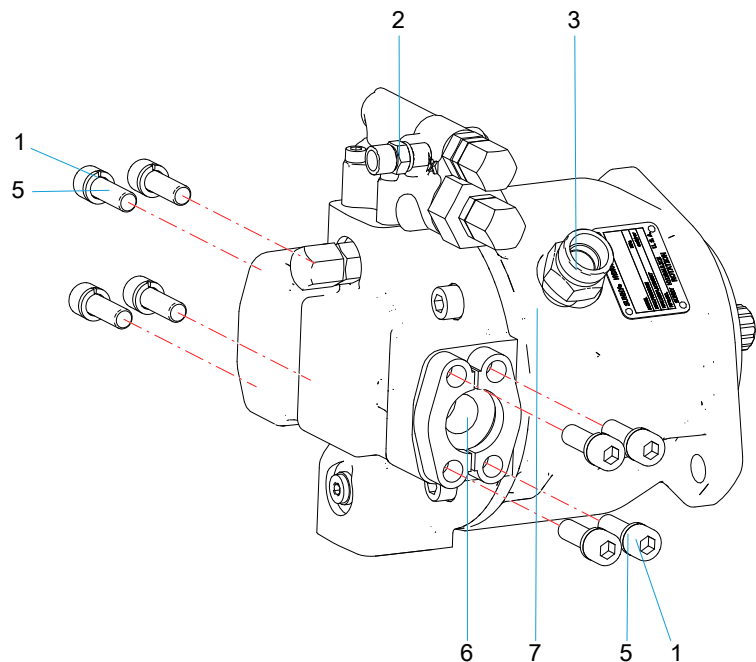
No.	Part No.	Qty.	Description
1	202010000045	1	Closed-circuit variable pump
1a	207990003106	1	Seal kit,Closed-circuit pump
2	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
3	213010000168	1	Coupler
4	213010000103	1	Coupler
5	213010000108	2	Coupler
6	213030000018	2	Flange

6.3.12 CLOSED PUMP (1000107) AND FITTINGS INSTALLATION



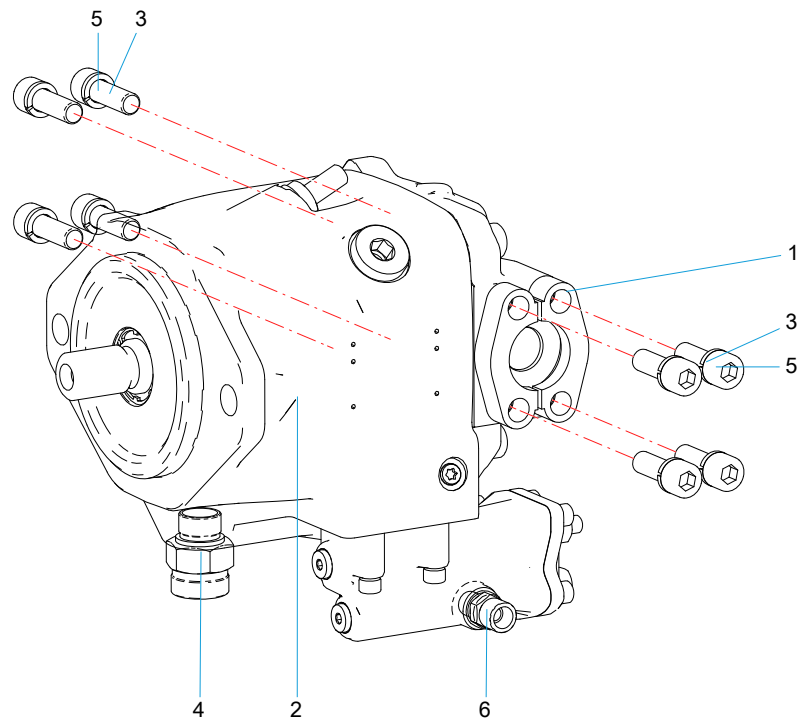
No.	Part No.	Qty.	Description
1	213010000029	1	Coupler
2	213010000027	2	Coupler
3	202010000054	1	Closed-circuit variable pump
3a	207990003118	1	Seal kit, closed-circuit pump(Not shown)
4	213010000162	2	Coupler
5	213010003017	1	Coupler

6.3.13 OPEN-CIRCUIT PUMP (1000054) AND FITTINGS INSTALLATION



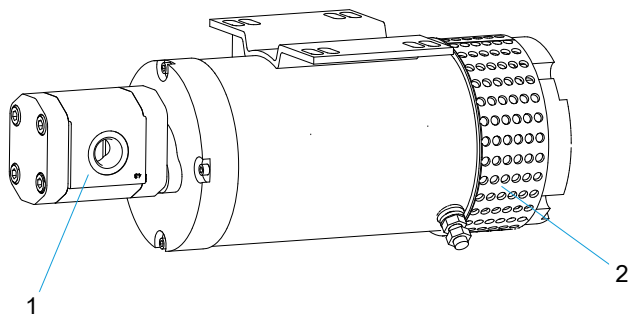
No.	Part No.	Qty.	Description
1	215040000006	8	Washer 10-ZnD GB/T 93
2	213010000013	1	Coupler
3	213010000213	1	Coupler
4	213030000002	1	Flange
5	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
6	213030000007	1	Flange
7	202010000048	1	Plunger variable pump
7a	207990003946	1	Seal kit, open-circuit pump

6.3.14 OPEN-CIRCUIT PUMP (1000857) AND FITTINGS INSTALLATION



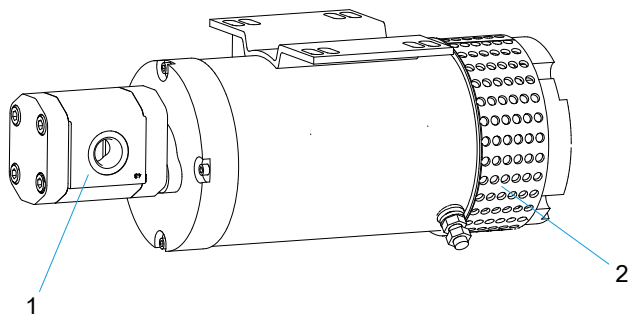
No.	Part No.	Qty.	Description
1	213030000007	1	Flange
2	202010003140	1	Open-circuit pump
2a	207990003982	1	Seal kit, Open-circuit pump
3	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
4	213010000213	1	Coupler
5	215040000006	8	Washer 10-ZnD GB/T 93
6	213010000013	1	Coupler
7	213030000002	1	Flange(Not shown)

6.3.15 POWER UNIT (PN.202010000041)



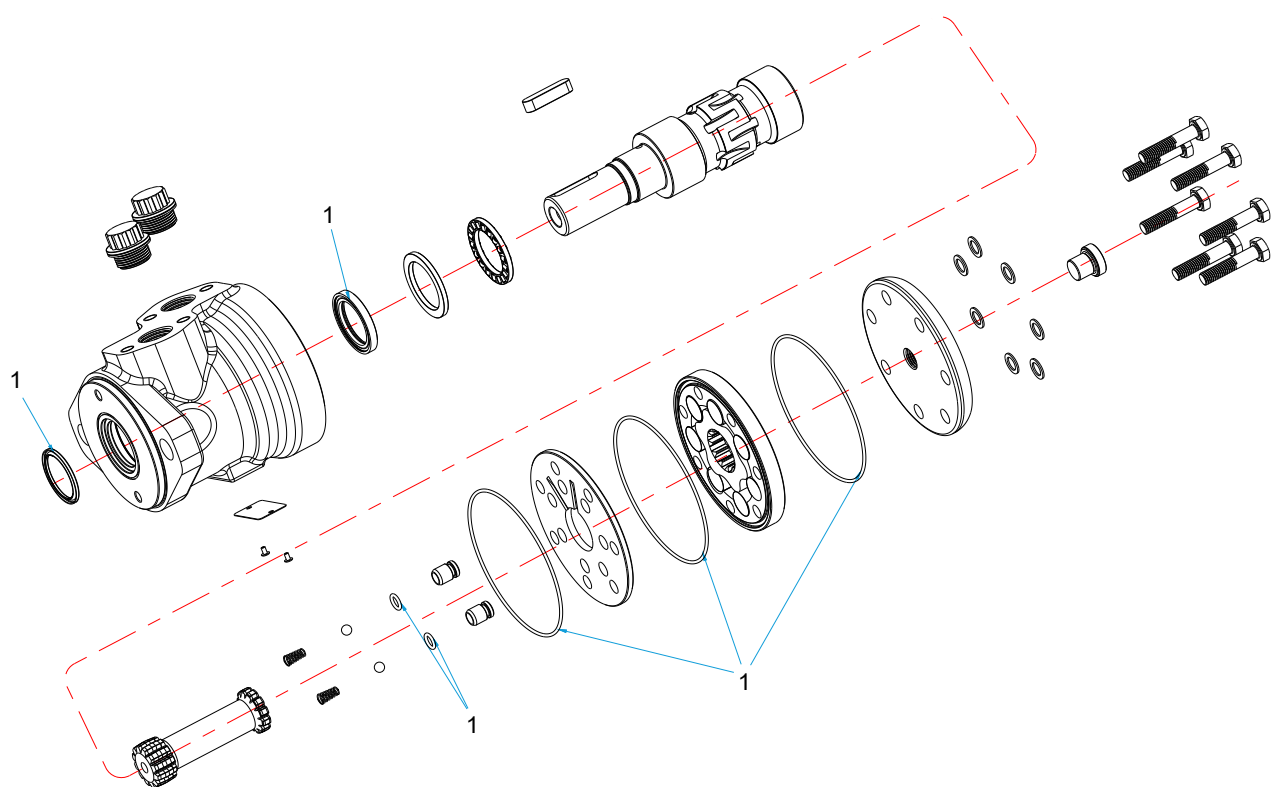
No.	Part No.	Qty.	Description
1	202010003073	1	Gear pump
1a	207990003107	1	Seal kit, gear pump
2	203010003058	1	DC motor

6.3.16 POWER UNIT (PN.202010003090)



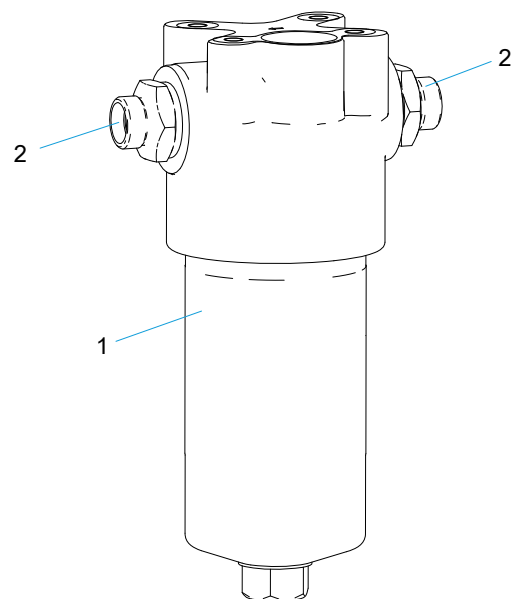
No.	Part No.	Qty.	Description
1	202010003073	1	Gear pump
1a	207990003107	1	Seal kit, gear pump
2	203010003058	1	DC motor

6.3.17 CYCLOID MOTOR (PN.202020003090)



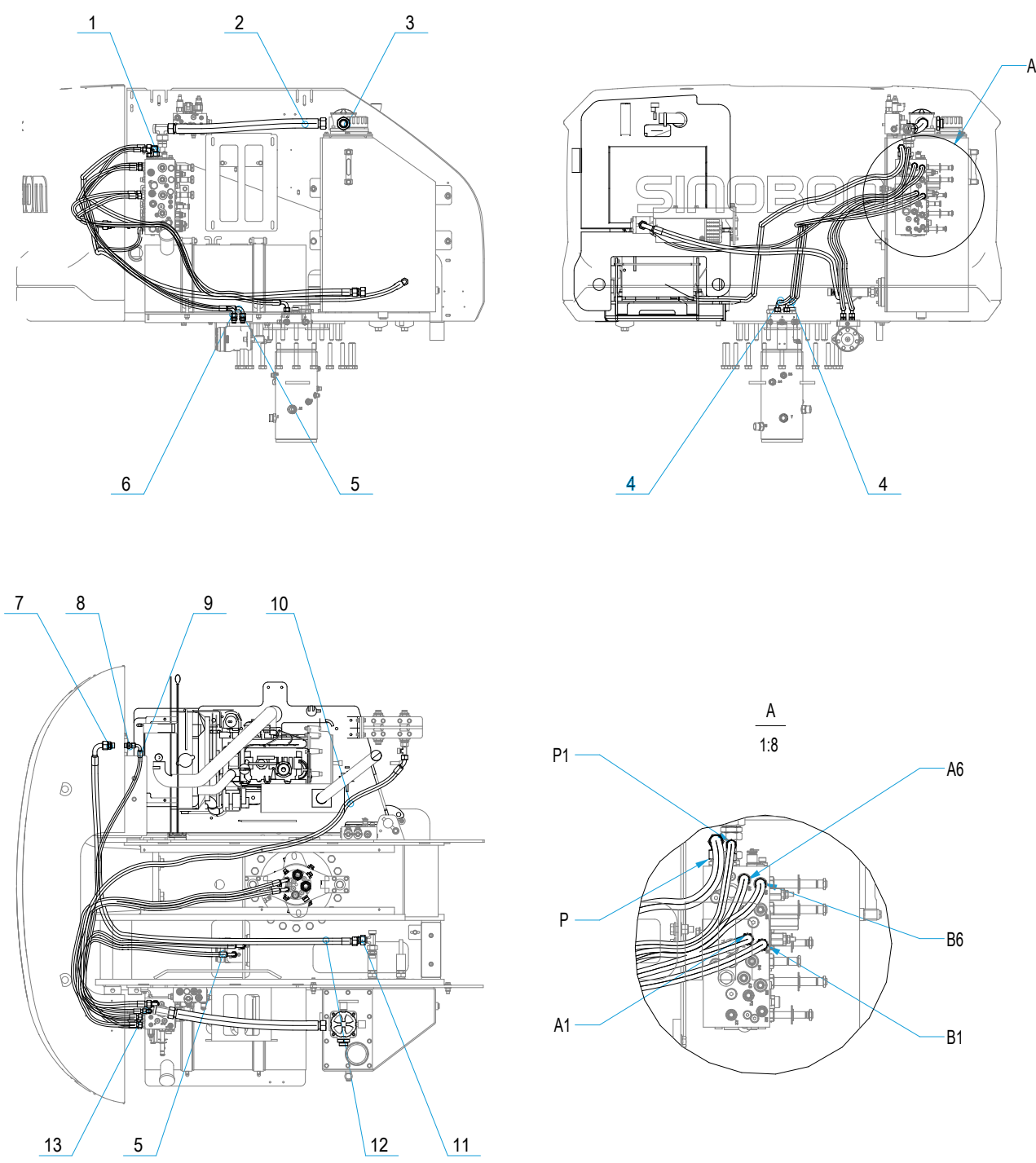
No.	Part No.	Qty.	Description
1	202990003346	1	Seal kit, Cycloid motor

6.3.18 HIGH PRESSURE FILTER AND FITTINGS INSTALLATION OPTIONS



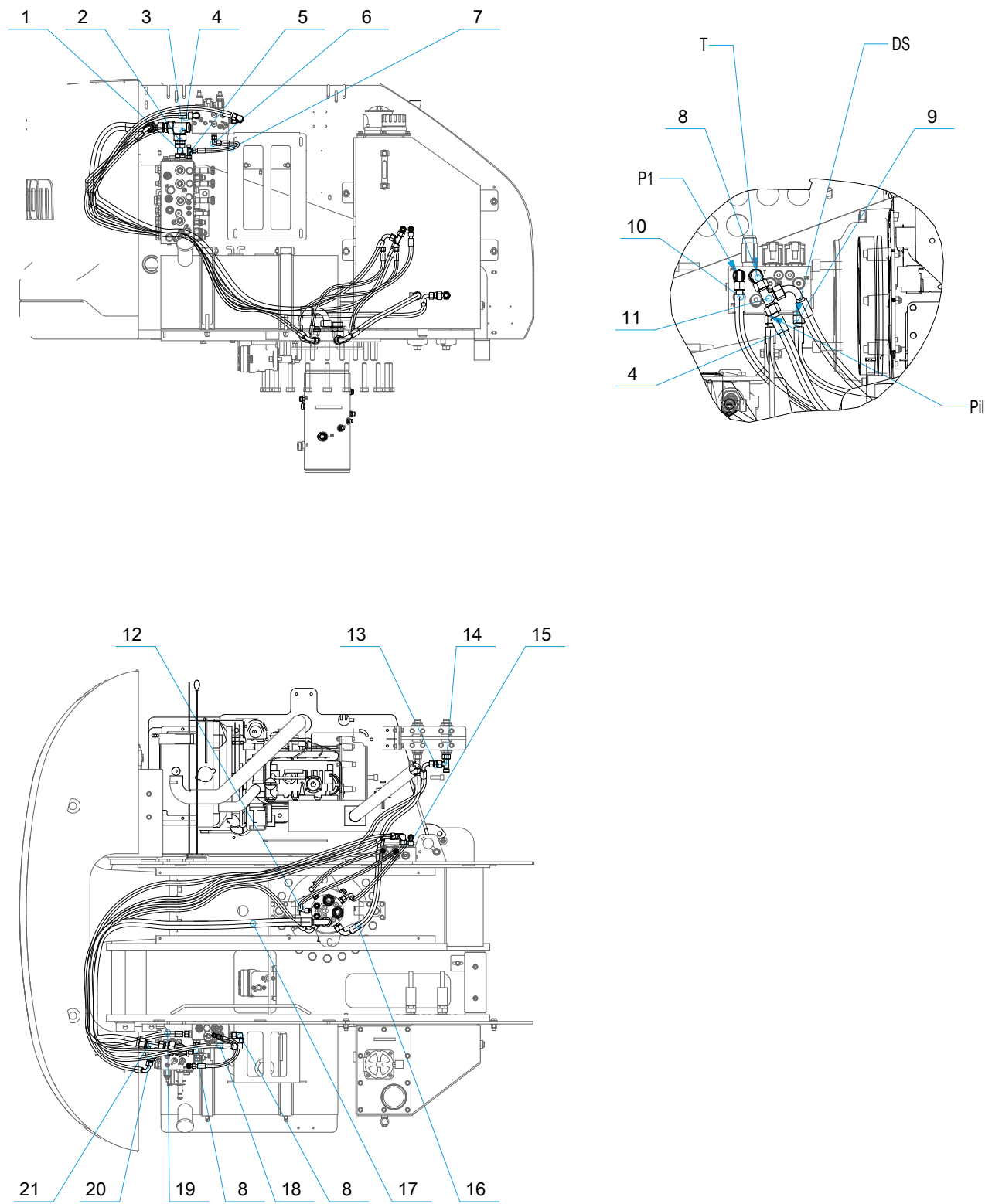
No.	Part No.	Qty.	Description
	103011053052		Filter & fittings installation options
1-1	202080003017	1	High pressure filter(1000181)
1-1a	202080003018	1	Filter element
1-2	202080000046	1	High pressure filter(1000060)
1-2a	202080000048	1	Filter element
2	213010000014	2	Coupler

6.3.19 PIPE LAYOUT DRAWING OF BOOM FUNCTION MANIFOLD



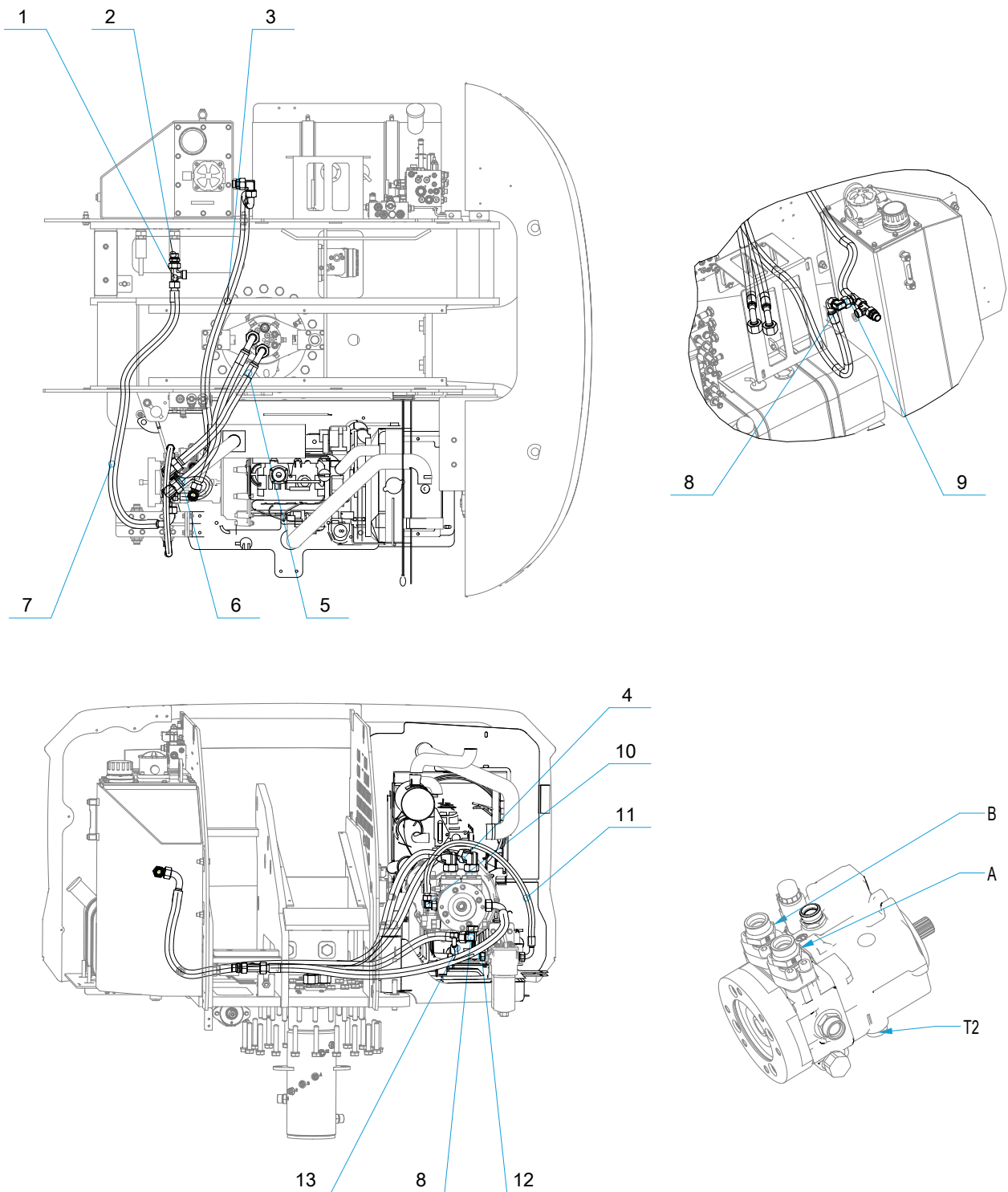
No.	Part No.	Qty.	Description
1	213010000008	1	Coupler
2	213050000775	1	Hose
3	213010000128	1	Coupler
4	213050003100	2	Hose
5	213050001600	2	Hose
6	213010000005	2	Coupler
7	213010000092	1	Coupler
8	213010000125	1	Coupler
9	213050001482	1	Hose
10	213050013992	1	Hose
11	213010000104	1	Coupler
12	213050012438	1	Hose
13	213010000009	1	Coupler

6.3.20 PIPE LAYOUT DRAWING OF BRAKE/2-SPEED CONTROL VALVE



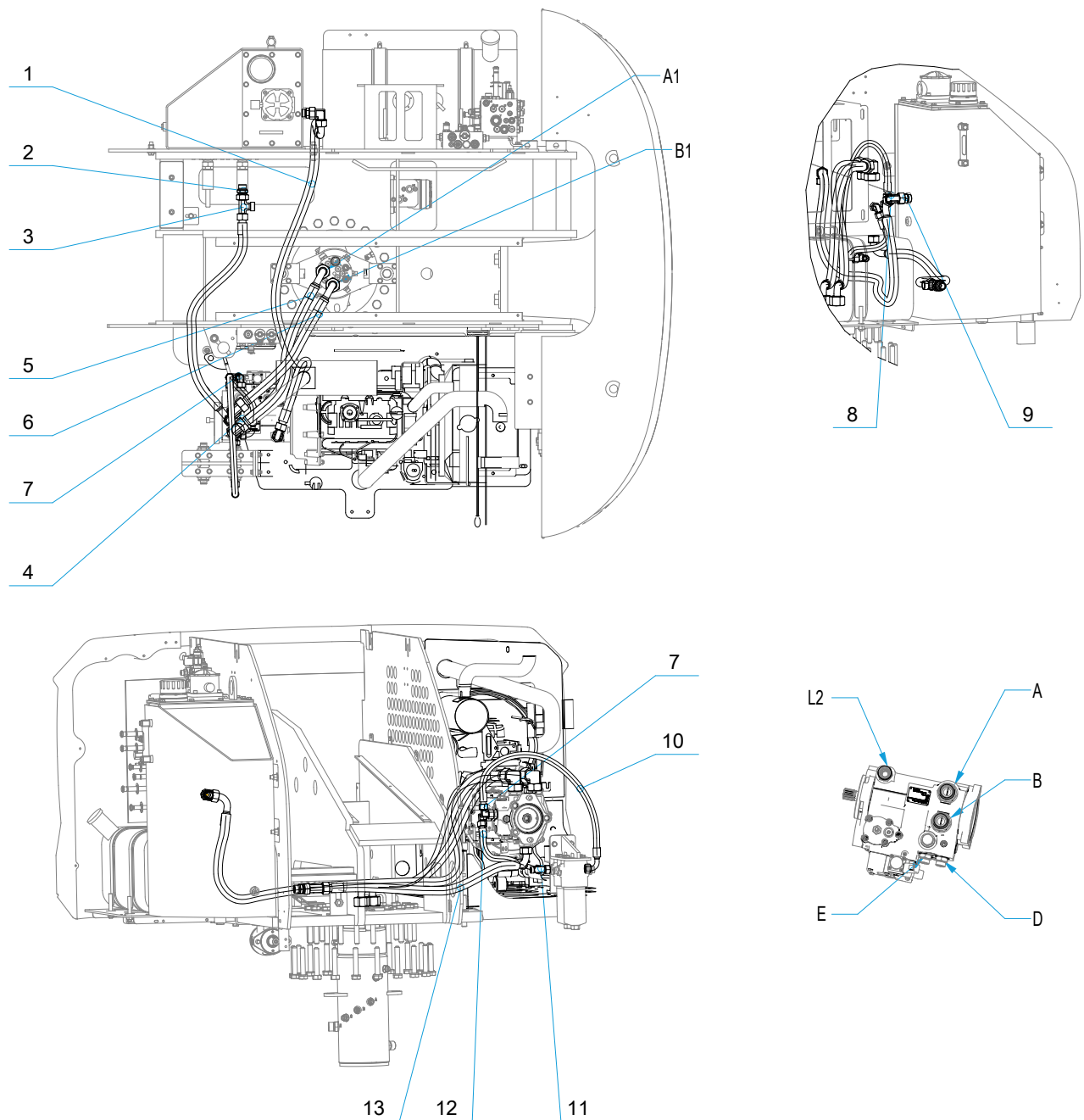
No.	Part No.	Qty.	Description
1	213010000134	1	Coupler
2	213010000034	2	Coupler
3	213010000130	1	Coupler
4	213050000233	2	Hose
5	213010000026	1	Coupler
6	213010000024	1	Coupler
7	213050008467	1	Hose
8	213010000055	4	Coupler
9	213050017106	1	Hose
10	213050000203	1	Hose
11	213010000032	1	Coupler
12	213050017105	1	Hose
13	213010000011	1	Coupler
14	213010000078	1	Coupler
15	213010000009	1	Coupler
16	213050017103	1	Hose
17	213050000247	1	Hose
18	213050017104	1	Hose
19	213050000252	1	Hose
20	213010000046	1	Coupler
21	213010000043	1	Coupler

6.3.21 CLOSED PUMP (PN.202010000045) TUBES LAYOUT



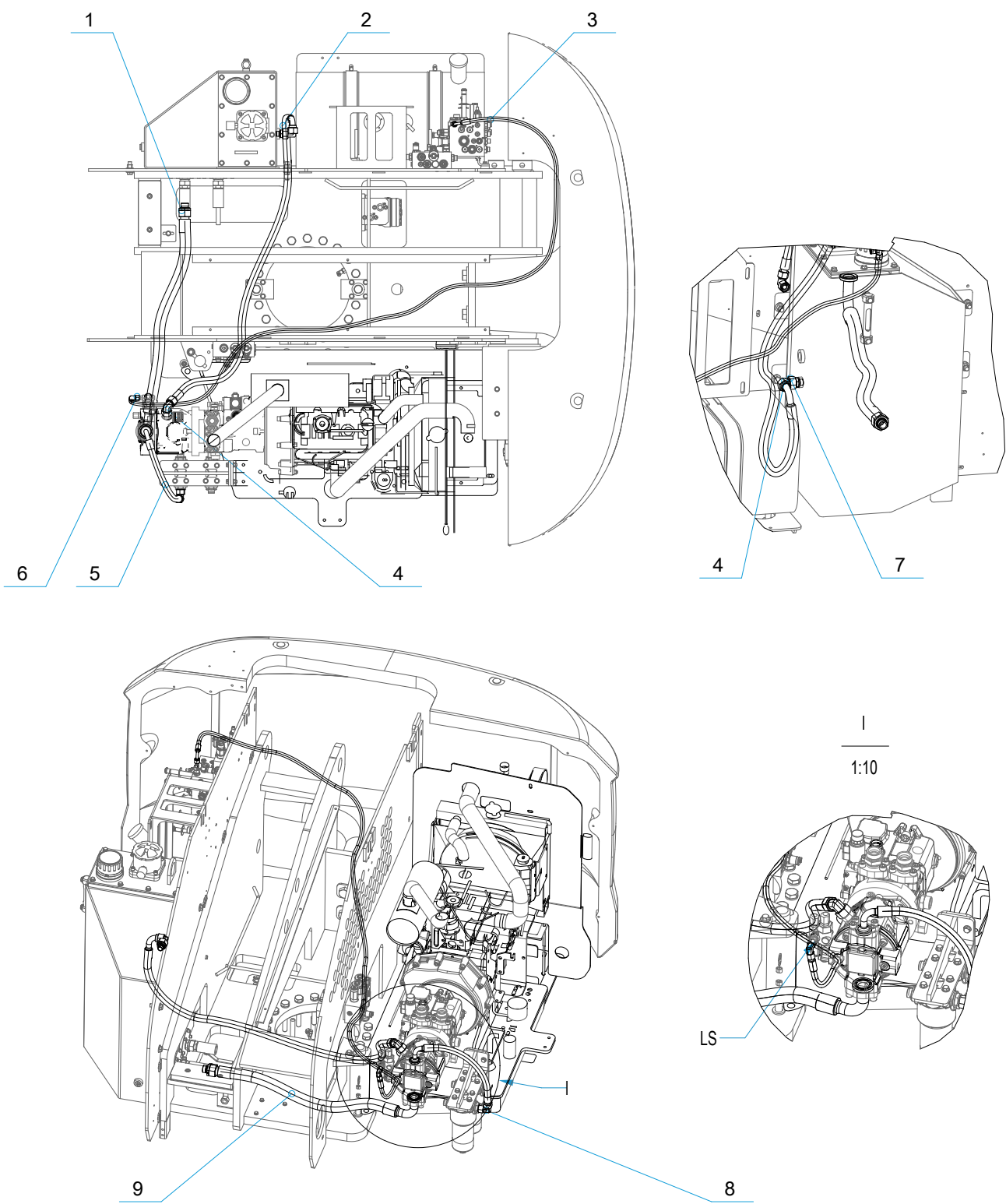
No.	Part No.	Qty.	Description
1	213010000043	1	Coupler
2	213010000045	1	Coupler
3	213050000279	1	Hose
4	213010000022	2	Coupler
5	213050017100	1	Hose
6	213050017101	1	Hose
7	213050000696	1	Hose
8	213010000041	2	Coupler
9	213010000037	1	Coupler
10	213010000008	1	Coupler
11	213050000575	1	Hose
12	213010000078	1	Coupler
13	213050016081	1	Hose

6.3.22 CLOSED PUMP (PN.202010000054) TUBES LAYOUT



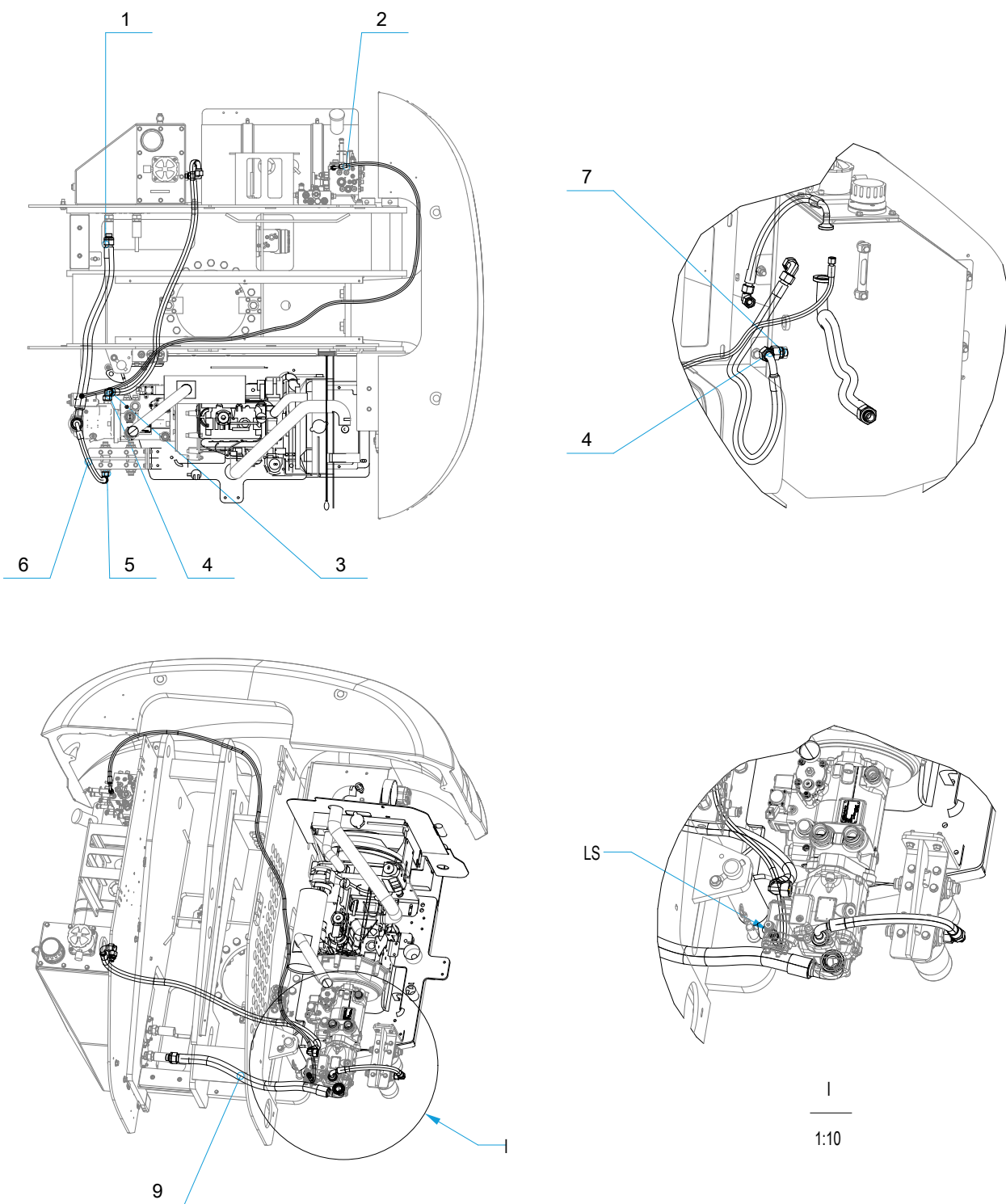
No.	Part No.	Qty.	Description
1	213050000854	1	Hose
2	213010000045	1	Coupler
3	213010000043	1	Coupler
4	213010000022	2	Coupler
5	213050017101	1	Hose
6	213050017100	1	Hose
7	213010000008	2	Coupler
8	213010000041	2	Coupler
9	213010000037	1	Coupler
10	213050000575	1	Hose
11	213010000078	1	Coupler
12	213050017102	1	Hose
13	213050003396	1	Hose

6.3.23 OPEN PUMP (PN.202010000048) TUBES LAYOUT



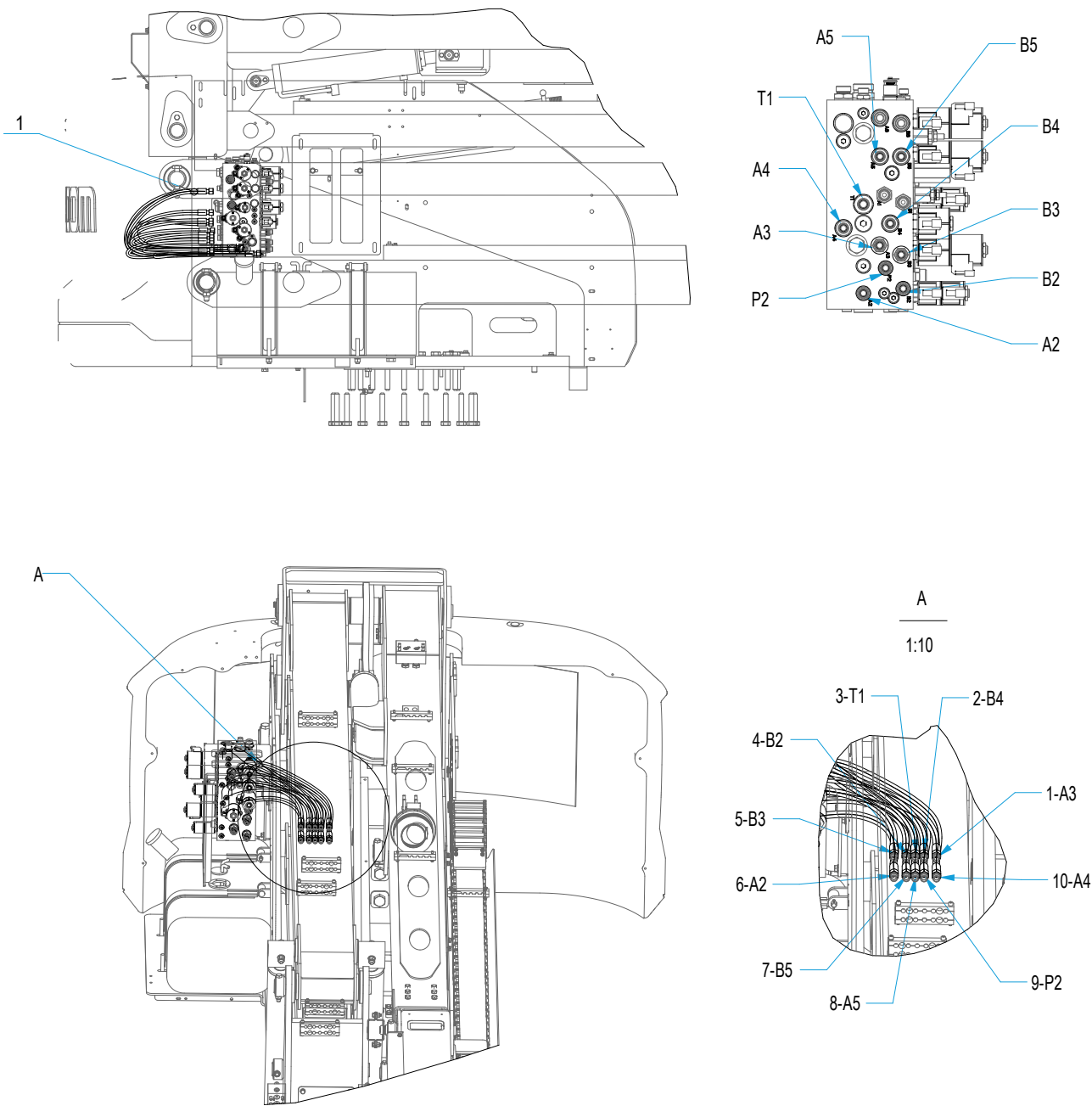
No.	Part No.	Qty.	Description
1	213010000143	1	Coupler
2	213050000836	1	Hose
3	213050008344	1	Hose
4	213010000067	2	Coupler
5	213050015433	1	Hose
6	213010000024	1	Coupler
7	213010000198	1	Coupler
8	213010000008	1	Coupler
9	213050016082	1	Hose

6.3.24 OPEN PUMP (PN.202010003140) TUBES LAYOUT



No.	Part No.	Qty.	Description
1	213010000143	1	Coupler
2	213050014737	1	Hose
3	213050001035	1	Hose
4	213010000067	2	Coupler
5	213010000008	1	Coupler
6	213050015433	1	Hose
7	213010000198	1	Coupler
9	213050016082	1	Hose

6.3.25 BOOM TUBES LAYOUT



No.	Part No.	Qty.	Description
1	213050000391	10	Hose

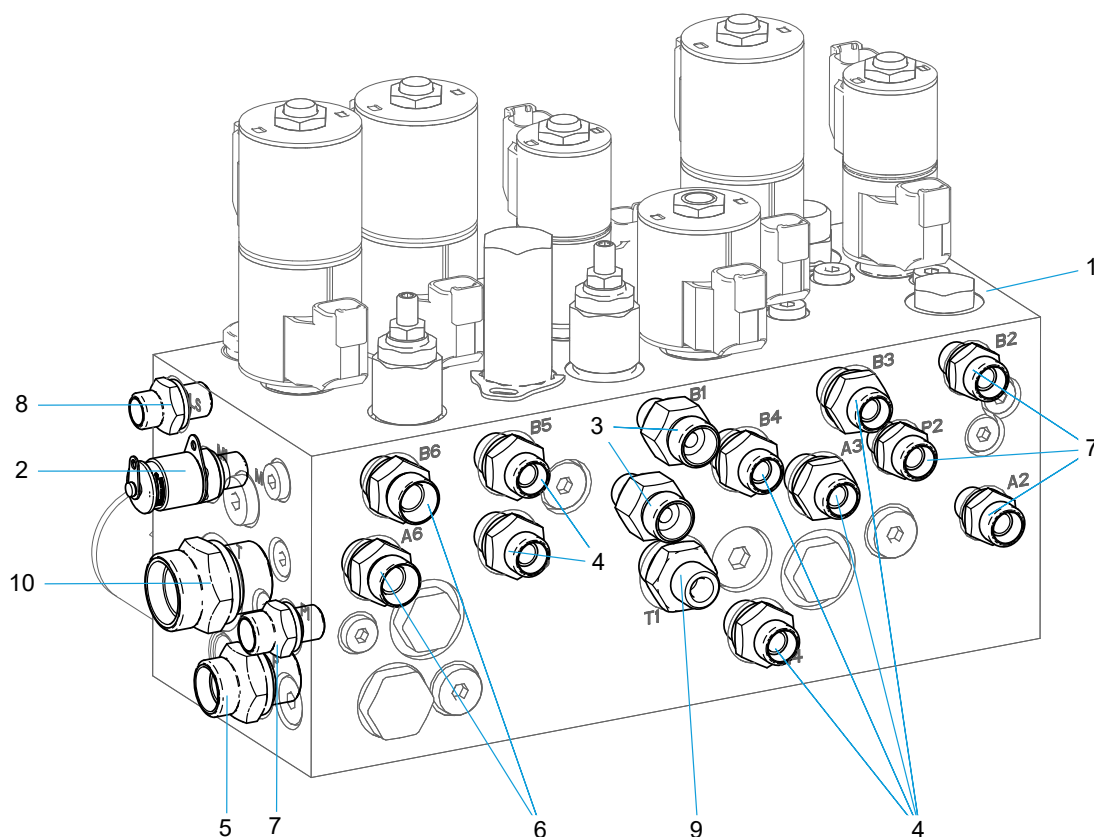
6.4 TURNTABLE HYDRAULIC SYSTEM (NON-CONTINUOUS ROTATION CONFIG)

This exploded view diagram illustrates the assembly of a hydraulic excavator chassis. The central component is the main chassis frame (4). Key sub-assemblies and components are shown in their relative positions, with red dashed lines indicating their assembly paths. The components are numbered as follows:

- 1:** Bolt for the rear panel.
- 2:** Hydraulic valve block for the rear panel.
- 3:** Screws for the rear panel.
- 4:** Main chassis frame.
- 5:** Rear panel.
- 6:** Hydraulic cylinder for the rear panel.
- 7:** Screws for the rear panel.
- 8:** Hydraulic valve block for the rear panel.
- 9:** Mounting plate for the rear panel.
- 10:** Hydraulic valve block for the rear panel.
- 11:** Hydraulic cylinder for the rear panel.
- 12:** Mounting plate for the rear panel.
- 13:** Bolt for the rear panel.
- 14:** Screws for the rear panel.
- 15:** Bolt for the rear panel.
- 16:** Bolt for the rear panel.
- 17:** Bolt for the rear panel.
- 18:** Hydraulic valve block for the rear panel.
- 19:** Screws for the rear panel.
- 20:** Bolt for the rear panel.
- 21:** Hydraulic cylinder for the rear panel.
- 22:** Bolt for the rear panel.
- 23:** Bolt for the rear panel.
- 24:** Bolt for the rear panel.

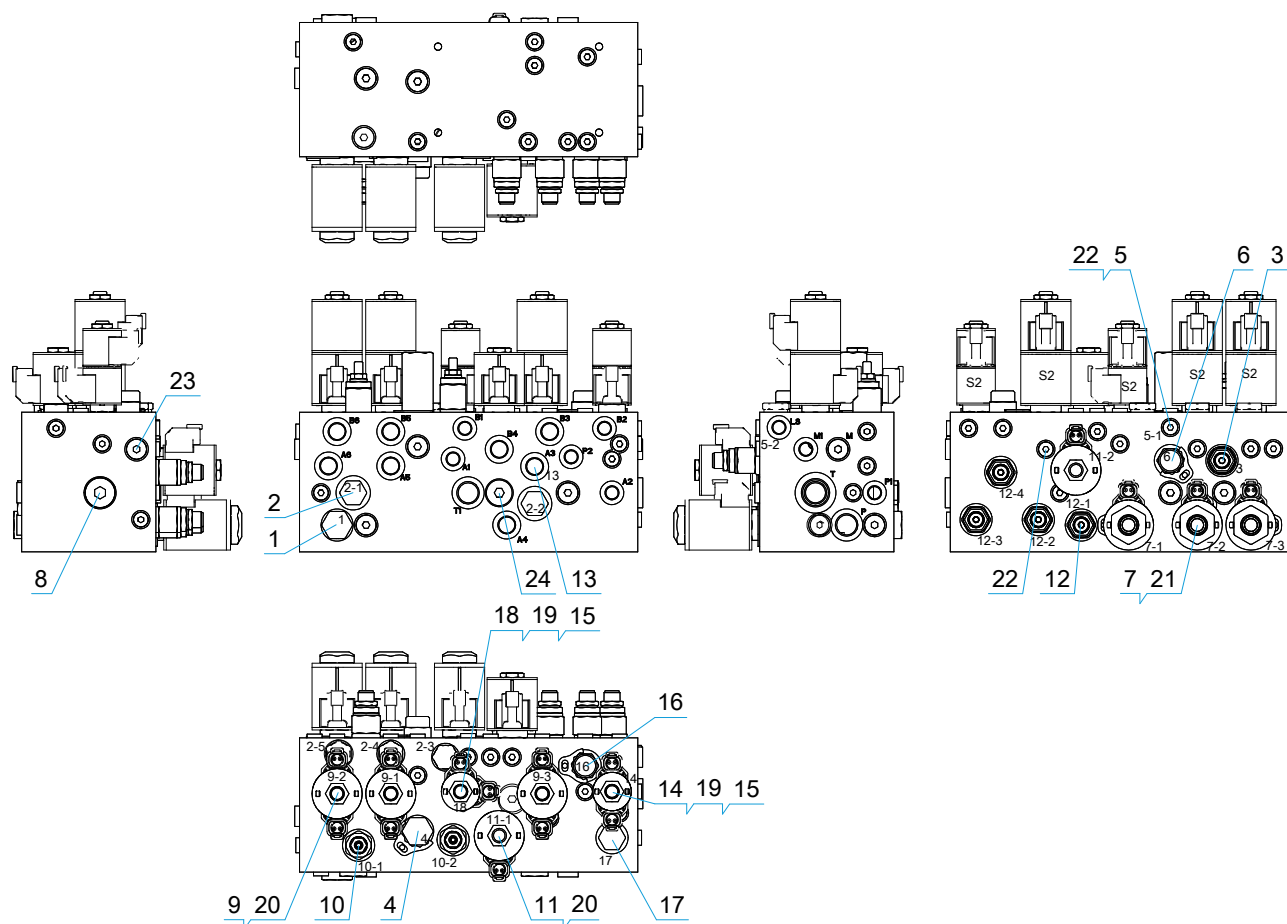
No.	Part No.	Qty.	Description
1	215010000244	1	Bolt M12×40-8.8 ZnD GB/T 5789
2	105084053141	1	Float Control Valve & Fittings Installation(See details)
3	215020000023	4	Screw M8×20-8.8-ZnD GB/T 70.1
4	104030050023		Hydraulic tank assembly option
4-1	104009020149	1	Hydraulic tank assembly(For use without cold weather heating package, see details)
4-2	104030050024	1	Hydraulic tank assembly(For use with cold weather heating package, see details)
5	105001020254	1	Bracket
6	103011053176		Cycloid motor options
6-1	202020000014	1	Cycloid motor(SC: 1000035)
6-2	202020003090	1	Cycloid motor(SC: 1000107, see later for subcomponent information)
7	215010000234	12	Bolt M8×20-8.8-ZnD GB/T 5789
8	103011053052	2	Filter & fittings installation options(See details)
9	202990003005	1	Slewing transition block
10	105051053275	1	Brake/2-speed valve & fittings installation(SC: 1000176, see details)
11	215010000236	2	Bolt M8×30-8.8-ZnD GB/T 5789
12	105030023001	1	Bracket
13	215030000110	3	Nut M12-8-ZnD GB/T 6183
14	215030000108	6	Nut M8-8-ZnD GB/T 6183.1
15	215010000270	3	Bolt M12×35-10.9-DKL GB/T 5789
16	215020000032	2	Screw M8×50-8.8-ZnD GB/T 70.1
17	215040000007	2	Washer 12-ZnD GB/T 93
18	104030050021		Pump drive options
18-1	104030050022	1	Kubota engine, pump drive(See details)
19	215010000235	4	Bolt M8×25-8.8-ZnD GB/T 5789
20	215010000286	4	Bolt M8×16-8.8-ZnD GB/T 5789
21	105074053142		Emergency power unit options
21-1	202010000041	1	Power unit, 12V(SC: 1000250, see later for subcomponent information)
21-2	202010003090	1	Power unit(SC: 1000631, see later for subcomponent information)
22	215020000076	2	Screw M12×35-8.8-ZnD GB/T 70.1
23	215020000038	2	Screw M8×60-8.8-ZnD GB/T 70.1
24	104030050019	1	Boom function manifold & fittings installation(See details)

6.4.2 BOOM FUNCTION VALVE AND FITTINGS INSTALLATION



No.	Part No.	Qty.	Description
1	104030050020		Boom function manifold options
1-1	202040003817	1	Boom function manifold(See details)
2	213010000010	1	Coupler
3	213010000036	2	Coupler
4	213010000006	6	Coupler
5	213010000039	1	Coupler
6	213010000005	2	Coupler
7	213010000012	4	Coupler
8	213010000007	1	Fitting
9	213010000125	1	Coupler
10	213010000045	1	Coupler

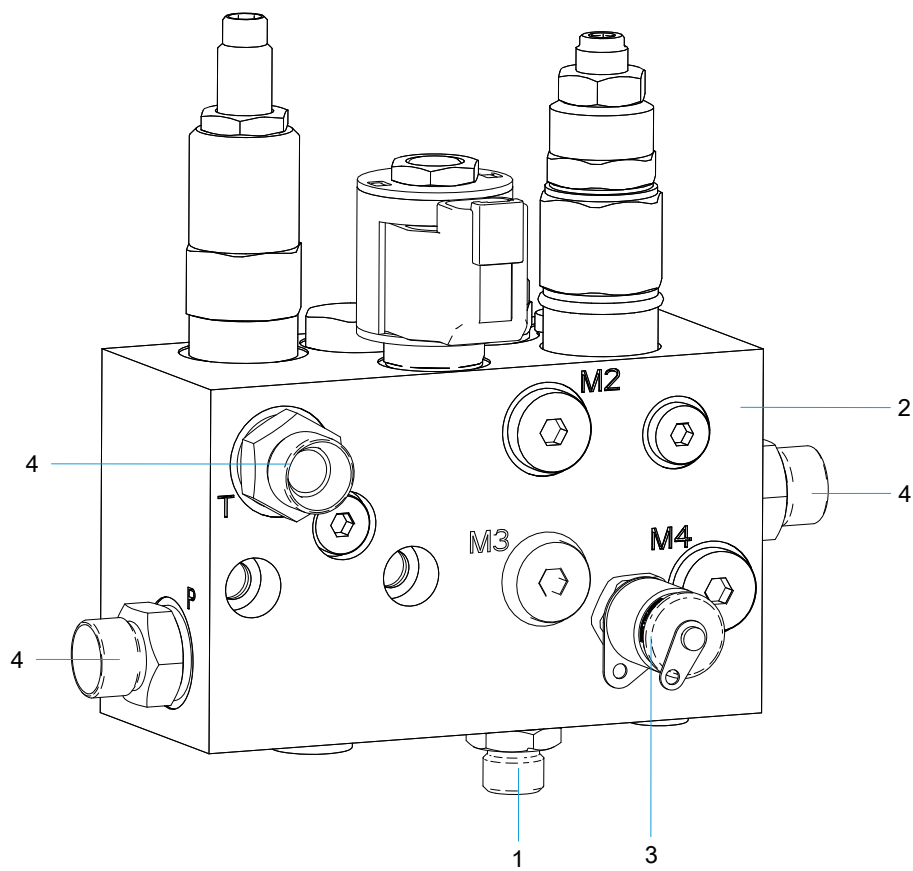
6.4.3 BOOM FUNCTION MANIFOLD (PN.202040003817)



No.	Part No.	Qty.	Description
1	202990003095	1	Check valve
2	202990003071	5	Check valve
3	202990000011	1	Spool
4	202990003263	1	logical valve
5	202130003003	2	Damper
6	202990003640	1	Valve,flow
7	202990000005	3	Spool
9	202990003282	3	Solenoid valve
10	202990003539	2	Two way relief valve
11	202040003334	2	Solenoid valve
12	202040003150	4	Relief valve
13	202130000005	1	Damper plug
14	202040000399	1	Solenoid valve
16	202990003042	1	Pressure compensator valve
17	202990003044	1	Bi-directional hydraulic lock
18	202990003008	1	3-position 4-way solenoid directional valve

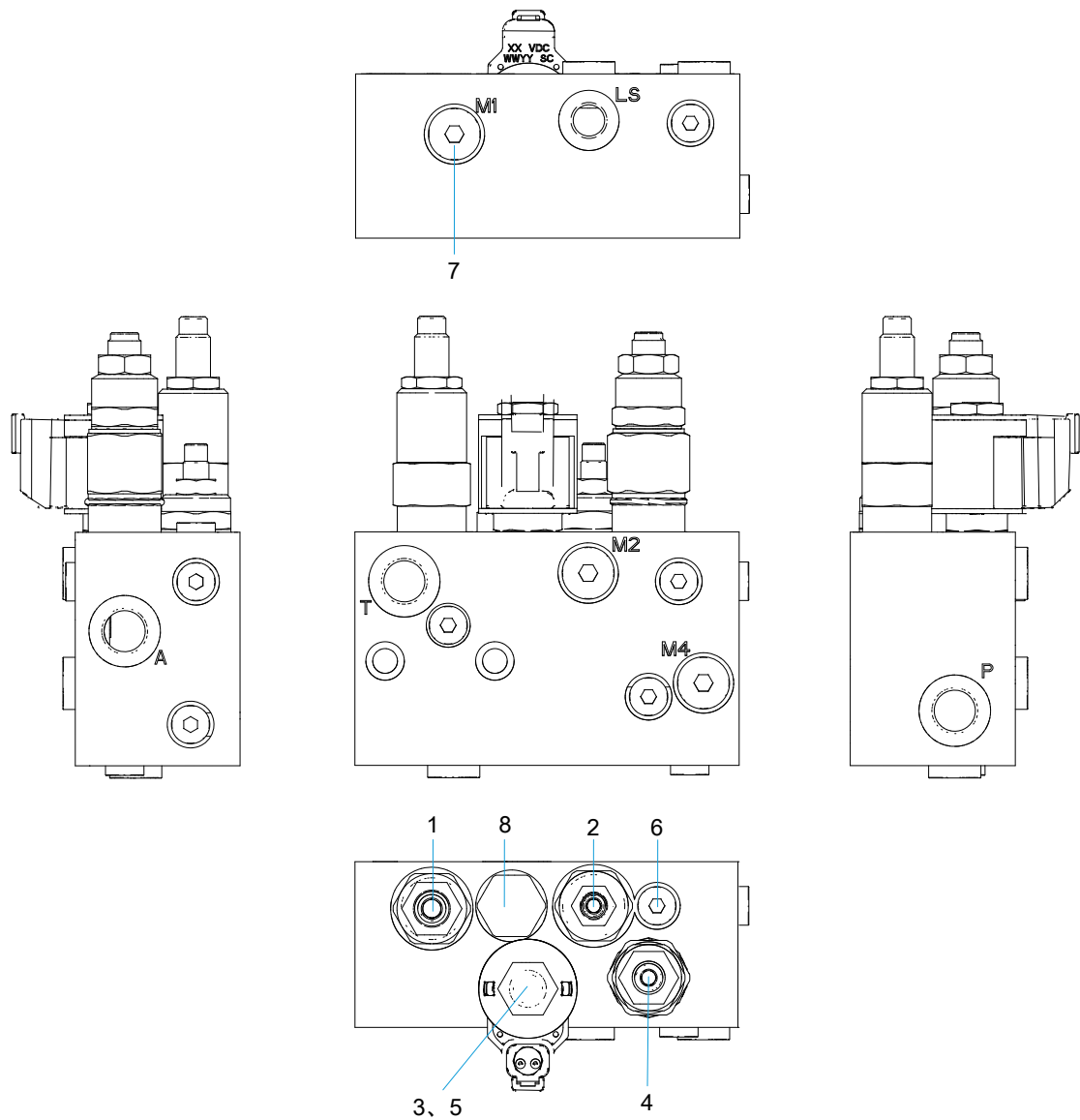
No.	Part No.	Qty.	Description
19	202040003153	4	Coil
20	202990003712	8	Coil
21	202990003714	3	Coil

6.4.4 OSCILLATE CONTROL VALVE AND FITTINGS INSTALLATION



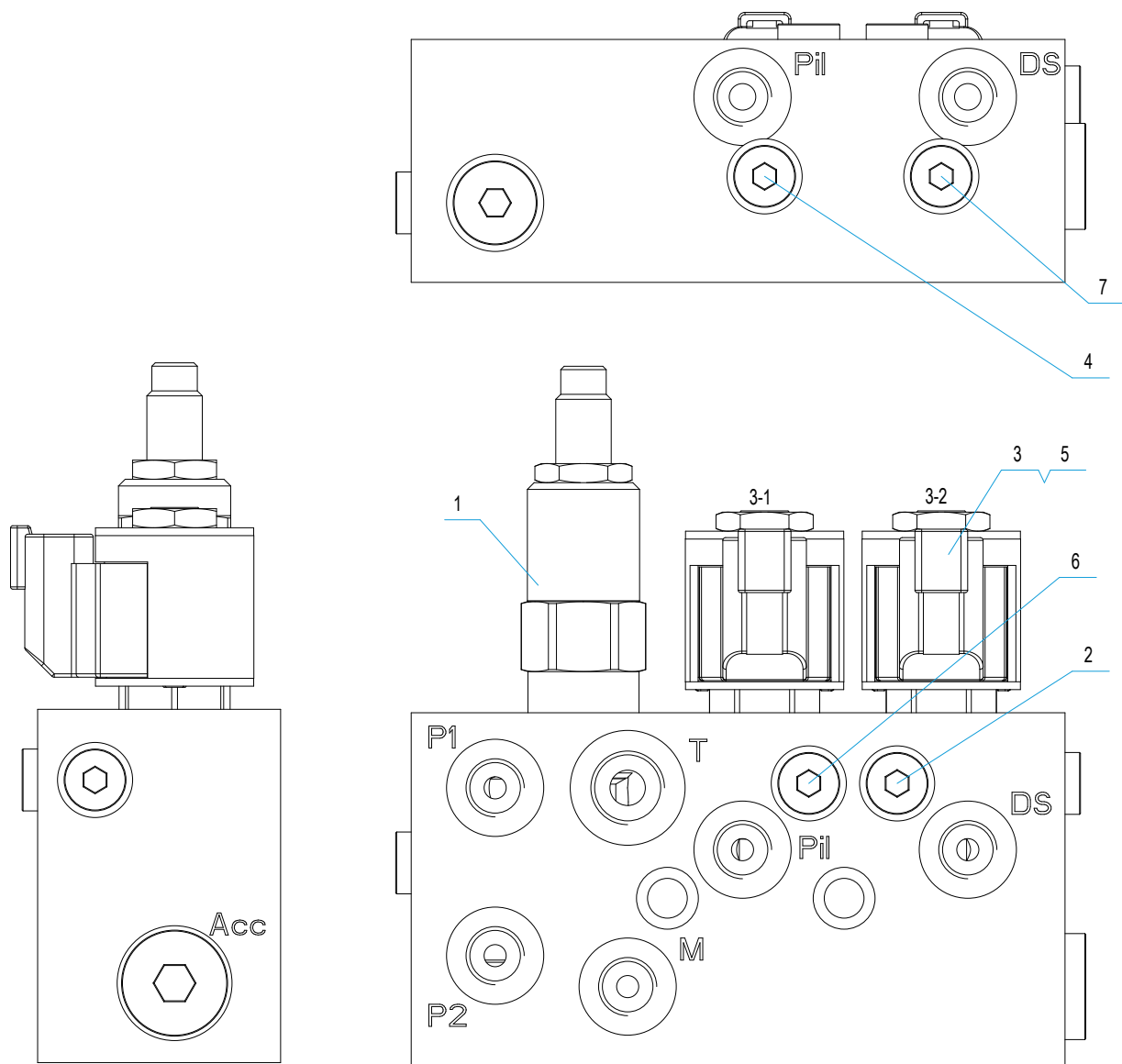
No.	Part No.	Qty.	Description
1	213010000007	1	Fitting
2	202040003521	1	Oscillate control valve
3	213010000010	1	Coupler
4	213010000005	3	Coupler

6.4.5 OSCILLATE CONTROL VALVE (PN.202040003521)



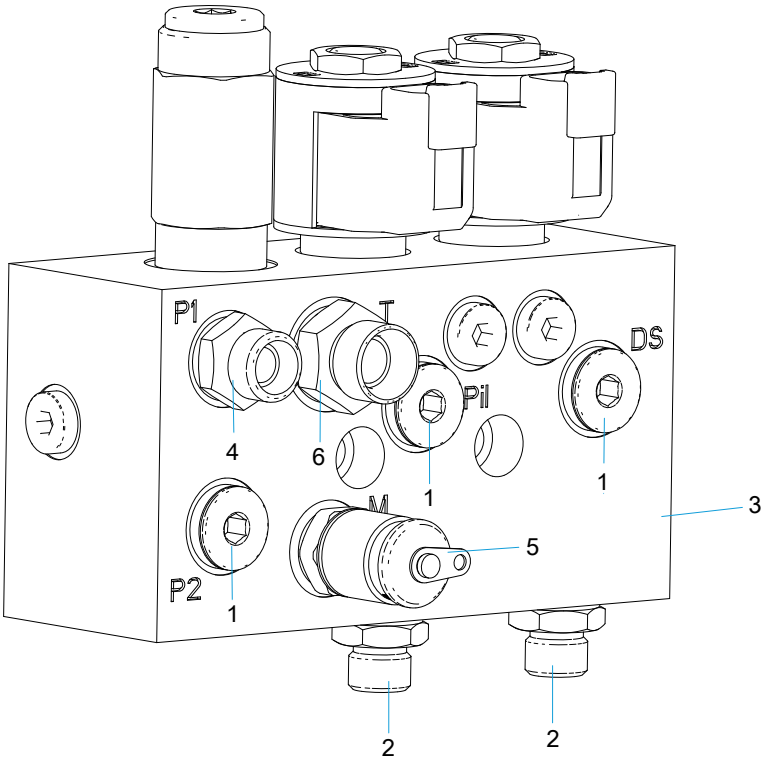
No.	Part No.	Qty.	Description
1	202040003345	1	Pressure reducing valve
2	202040003353	1	Flow valve
3	202040003351	1	Solenoid valve
4	202040003346	1	Hydraulic controlled valve
5	202990000037	1	Coil
6	202130003003	1	Damper
7	202990003192	1	High pressure piece
8	202990003071	1	Check valve

6.4.6 BRAKE/2-SPEED CONTROL VALVE (PN.202040000006)



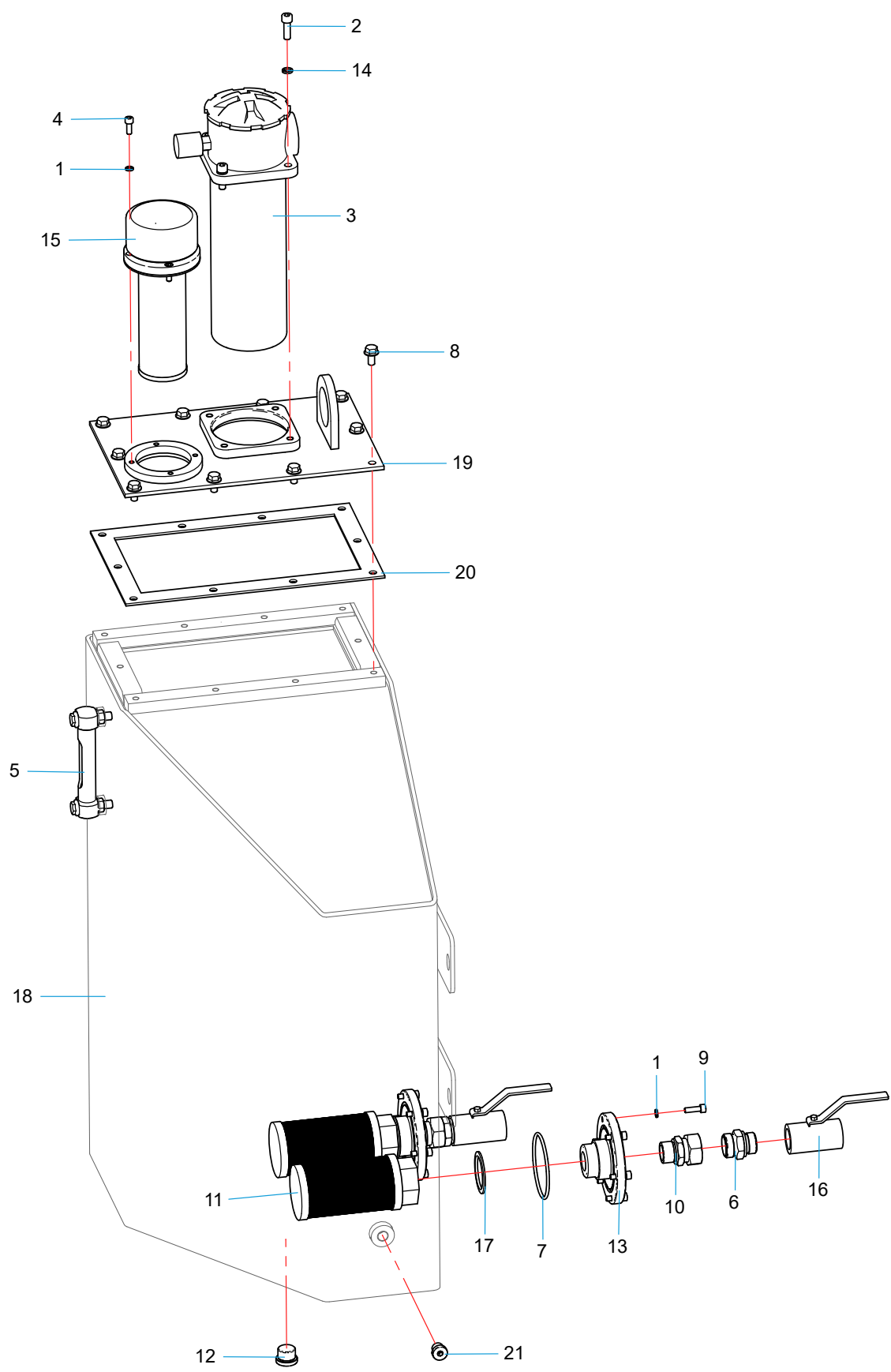
No.	Part No.	Qty.	Description
1	202990003103	1	Relief valve
2	202130000008	1	Damper plug
3	202990003158	2	Solenoid valve
4	202130000004	1	Plug
5	202990000037	2	Coil
6	202130003015	1	Damper
7	202130000001	1	Damper

6.4.7 BRAKE/2-SPEED CONTROL VALVE (1000176) AND FITTINGS
INSTALLATION



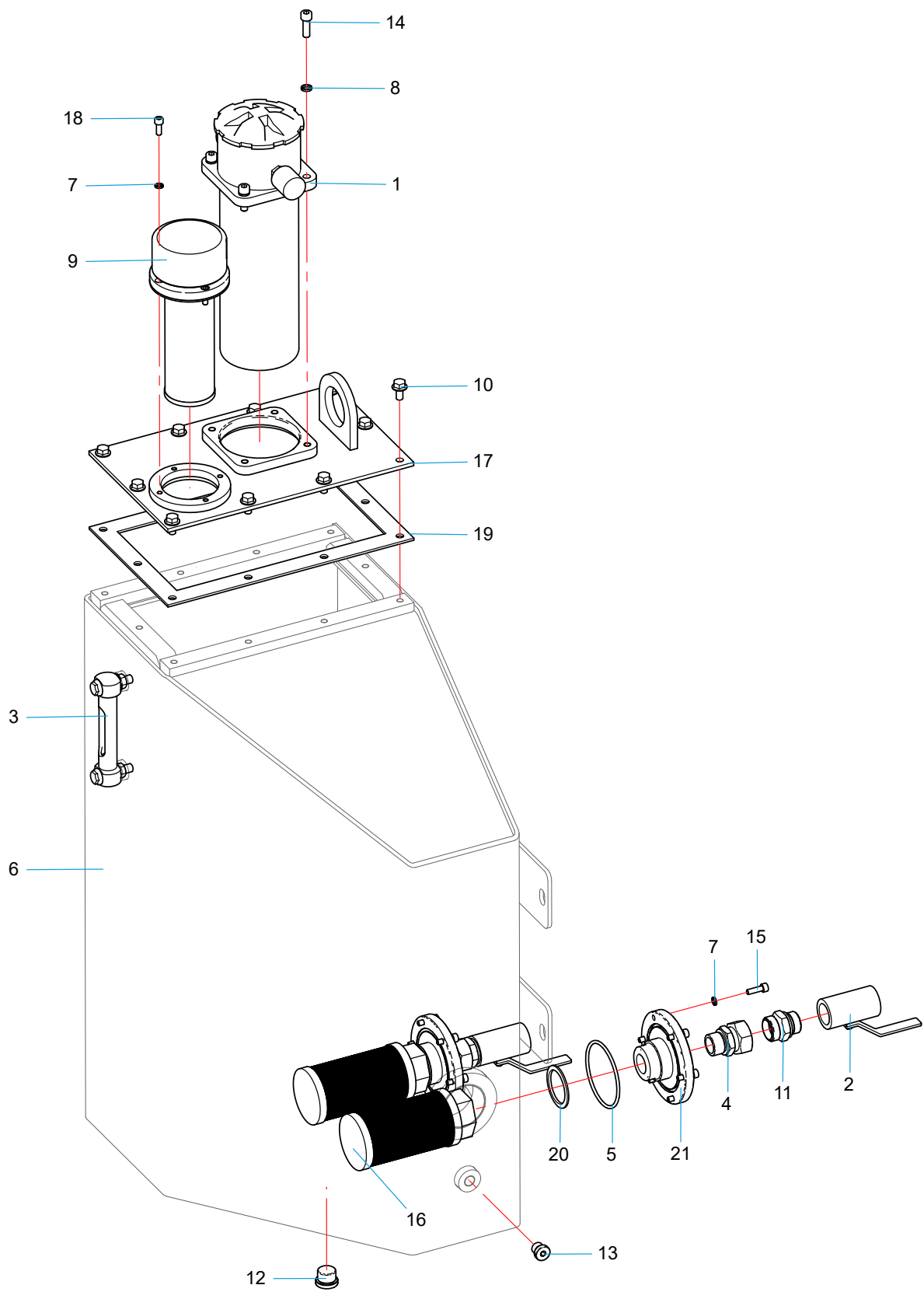
No.	Part No.	Qty.	Description
1	213060000003	3	Plug
2	213010000007	2	Fitting
3	202040000006	1	Brake/2-speed control valve(12V)
4	213010000012	1	Coupler
5	213010000010	1	Coupler
6	213010000005	1	Coupler

6.4.8 HYDRAULIC TANK ASSEMBLY (PN.104009020149)



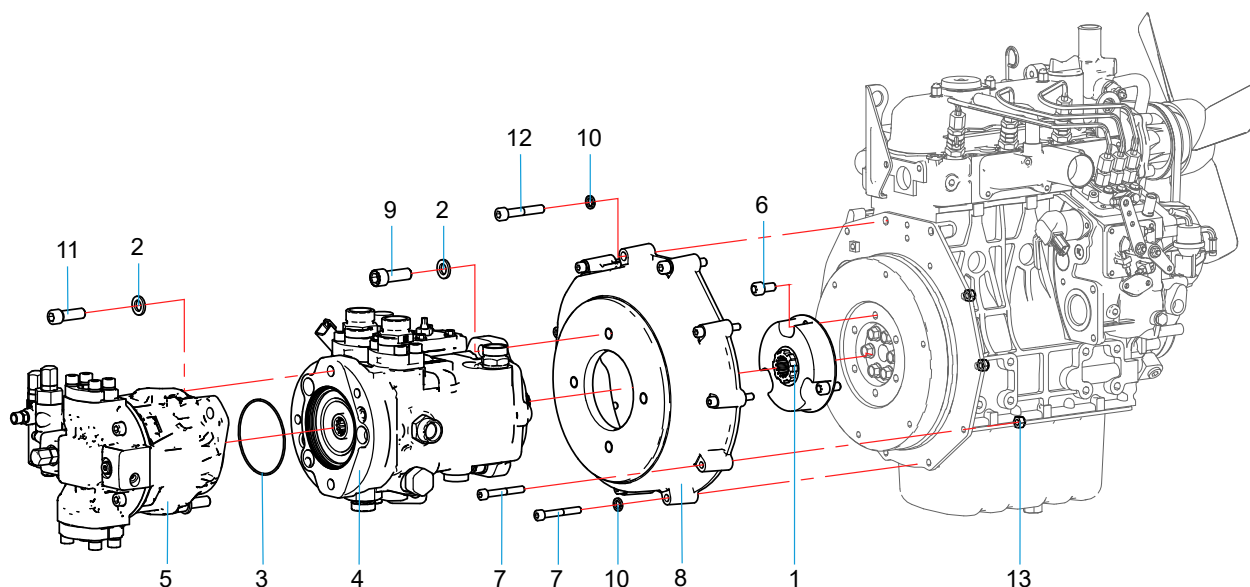
No.	Part No.	Qty.	Description
1	215040000004	16	Washer 6-A2-70 GB/T 93
2	215020000024	4	Screw M8×25-8.8-ZnD GB/T 70.1
3	202080000007	1	Oil return filter
4	215020000011	4	Screw M6×16-A2-70 GB/T 70.1
5	202120000005	1	Level gauge
6	105001050027	2	Fitting, non-standard
7	207040000020	2	O ring 77.5×3.55 GB/T 3452.1
8	215010000286	10	Bolt M8×16-8.8-ZnD GB/T 5789
9	215020000012	12	Screw M6×20-A2-70 GB/T 70.1
10	213010000123	2	Fitting
11	202080000006	2	Suction filter
12	213060000004	1	Plug
13	104009020135	2	Flange
14	215040000005	4	Washer 8-ZnD GB/T 93
15	202070003014	1	Air filter
15a	202070003015	1	Filter element
16	202040000049	2	Ball valve
17	207060000005	2	Combined sealing ring
18	104009020134	1	Hydraulic tank
19	104009020145	1	Fuel tank plate
20	104009020151	1	Rubber plate
21	213060000010	1	Plug

6.4.9 HYDRAULIC TANK ASSEMBLY (PN.104030050024)



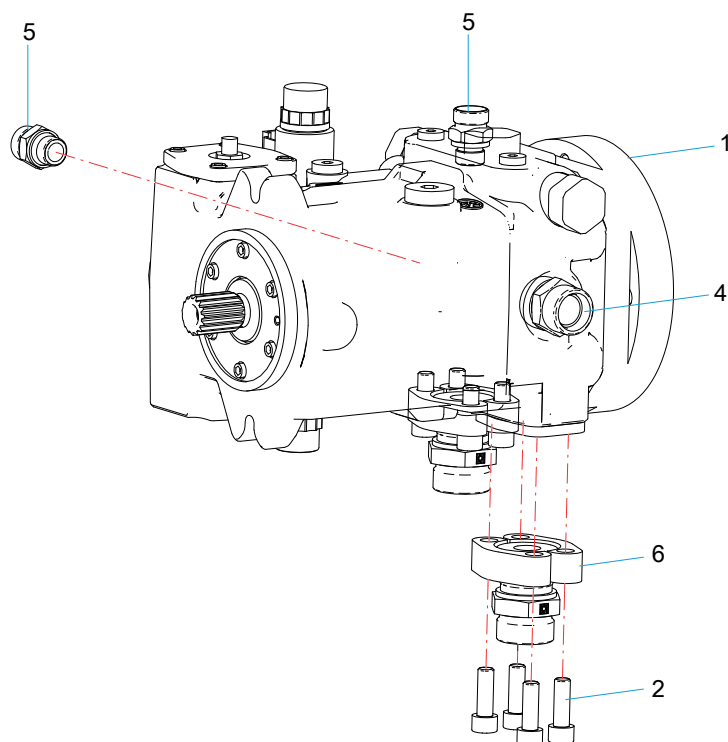
No.	Part No.	Qty.	Description
1	202080000007	1	Oil return filter
2	202040000049	2	Ball valve
3	202120000005	1	Level gauge
4	213010000123	2	Fitting
5	207040000020	2	O ring 77.5×3.55 GB/T 3452.1
6	104030050025	1	Hydraulic tank
7	215040000004	16	Washer 6-A2-70 GB/T 93
8	215040000005	4	Washer 8-ZnD GB/T 93
9	202070003014	1	Air filter
9a	202070003015	1	Filter element
10	215010000286	10	Bolt M8×16-8.8-ZnD GB/T 5789
11	105001050027	2	Fitting, non-standard
12	213060000004	1	Plug
13	213060000010	1	Plug
14	215020000024	4	Screw M8×25-8.8-ZnD GB/T 70.1
15	215020000012	12	Screw M6×20-A2-70 GB/T 70.1
16	202080000006	2	Suction filter
17	104009020145	1	Fuel tank plate
18	215020000011	4	Screw M6×16-A2-70 GB/T 70.1
19	104009020151	1	Rubber plate
20	207060000005	2	Combined sealing ring
21	104009020135	2	Flange

6.4.10 KUBOTA OIL PUMP TRANSMISSION



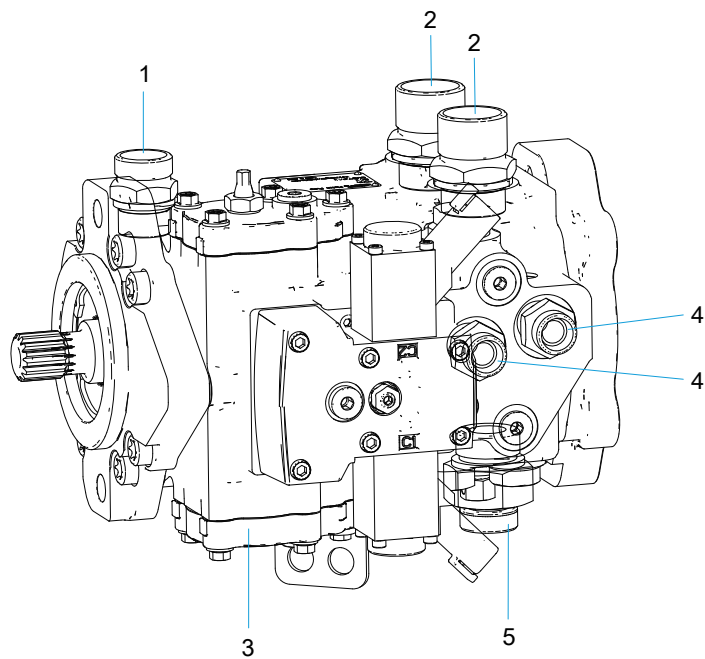
No.	Part No.	Qty.	Description
1	204040003010	1	Shaft coupling
2	215040000051	4	Washer 12-DKL GB/T 1230
3	207040000060	1	O-ring
4	105051053288		Options, Closed-circuit pump & fittings installation
4-1	105051053290	1	Closed-circuit pump & fittings installation(SC: 1000054)
4-2	105051053301	1	Closed-circuit pump & fittings installation(SC: 1000107)
5	105084053144		Open-circuit pump & fittings installation, options
5-1	105084053143	1	Open-circuit pump & fittings installation(SC: 1000054)
5-2	105084053164	1	Open-circuit pump & fittings installation(SC: 1000857)
6	215020000332	3	Screw M10×1.25×20-10.9-DKL GB/T 70.1
7	215020000038	9	Screw M8×60-8.8-ZnD GB/T 70.1
8	102004030082	1	Cover, flywheel flange
9	215020000245	2	Screw M14×40-10.9 GB/T 70.1
10	215040000006	8	Washer 10-ZnD GB/T 93
11	215080000005	2	Hexagon socket head cap screw 1/2-13UNC-1.5-GR8-DKL ASME B18.3
12	215020000333	2	Screw M10×1.25×60-8.8-ZnD GB/T 70.1
13	215030000026	3	Nut M8-8-ZnD GB/T889.1

6.4.11 CLOSED PUMP (1000054) AND FITTINGS INSTALLATION



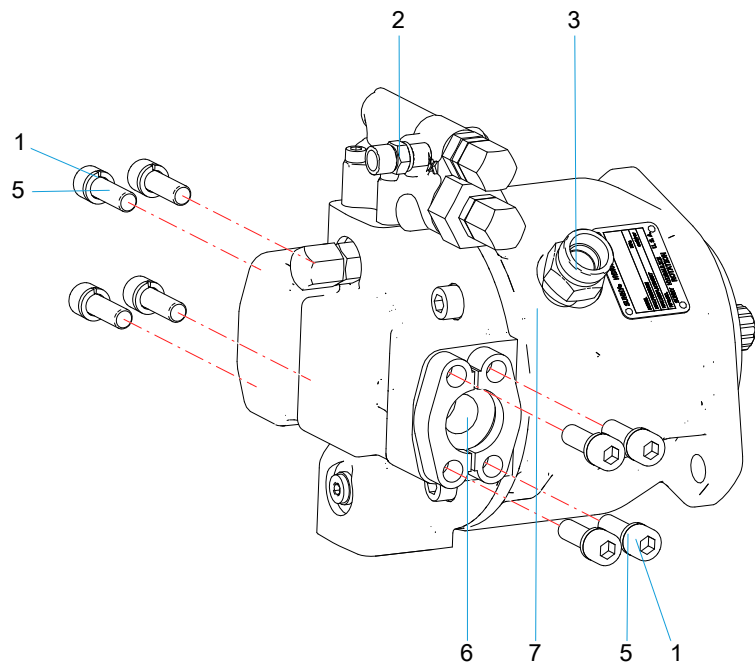
No.	Part No.	Qty.	Description
1	202010000045	1	Closed-circuit variable pump
1a	207990003106	1	Seal kit,Closed-circuit pump
2	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
3	213010000168	1	Coupler
4	213010000103	1	Coupler
5	213010000108	2	Coupler
6	213030000018	2	Flange

6.4.12 CLOSED PUMP (1000107) AND FITTINGS INSTALLATION



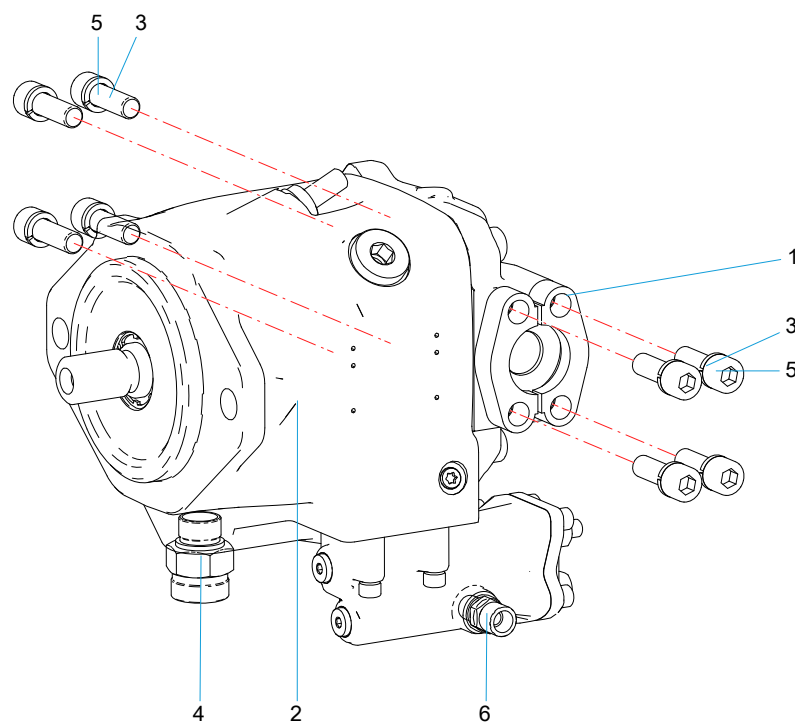
No.	Part No.	Qty.	Description
1	213010000029	1	Coupler
2	213010000027	2	Coupler
3	202010000054	1	Closed-circuit variable pump
3a	207990003118	1	Seal kit, closed-circuit pump(Not shown)
4	213010000162	2	Coupler
5	213010003017	1	Coupler

6.4.13 OPEN-CIRCUIT PUMP (1000054) AND FITTINGS INSTALLATION



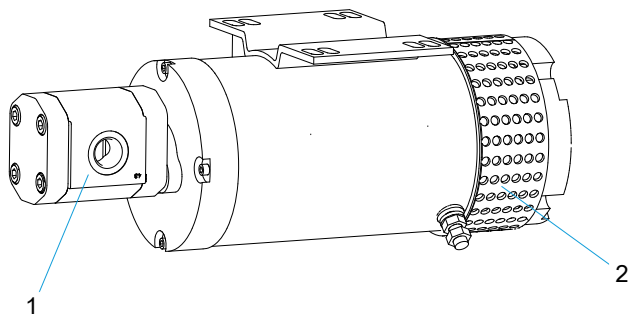
No.	Part No.	Qty.	Description
1	215040000006	8	Washer 10-ZnD GB/T 93
2	213010000013	1	Coupler
3	213010000213	1	Coupler
4	213030000002	1	Flange
5	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
6	213030000007	1	Flange
7	202010000048	1	Plunger variable pump
7a	207990003946	1	Seal kit, open-circuit pump

6.4.14 OPEN-CIRCUIT PUMP (1000857) AND FITTINGS INSTALLATION



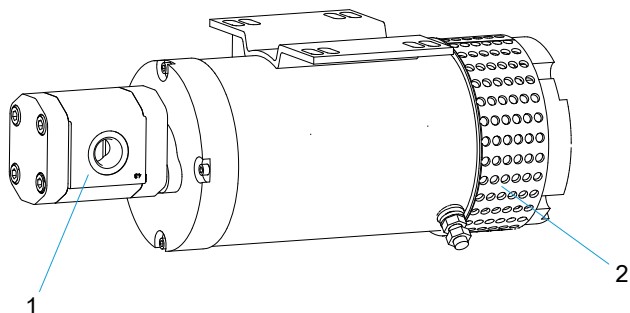
No.	Part No.	Qty.	Description
1	213030000007	1	Flange
2	202010003140	1	Open-circuit pump
2a	207990003982	1	Seal kit, Open-circuit pump
3	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
4	213010000213	1	Coupler
5	215040000006	8	Washer 10-ZnD GB/T 93
6	213010000013	1	Coupler
7	213030000002	1	Flange(Not shown)

6.4.15 POWER UNIT (PN.202010000041)



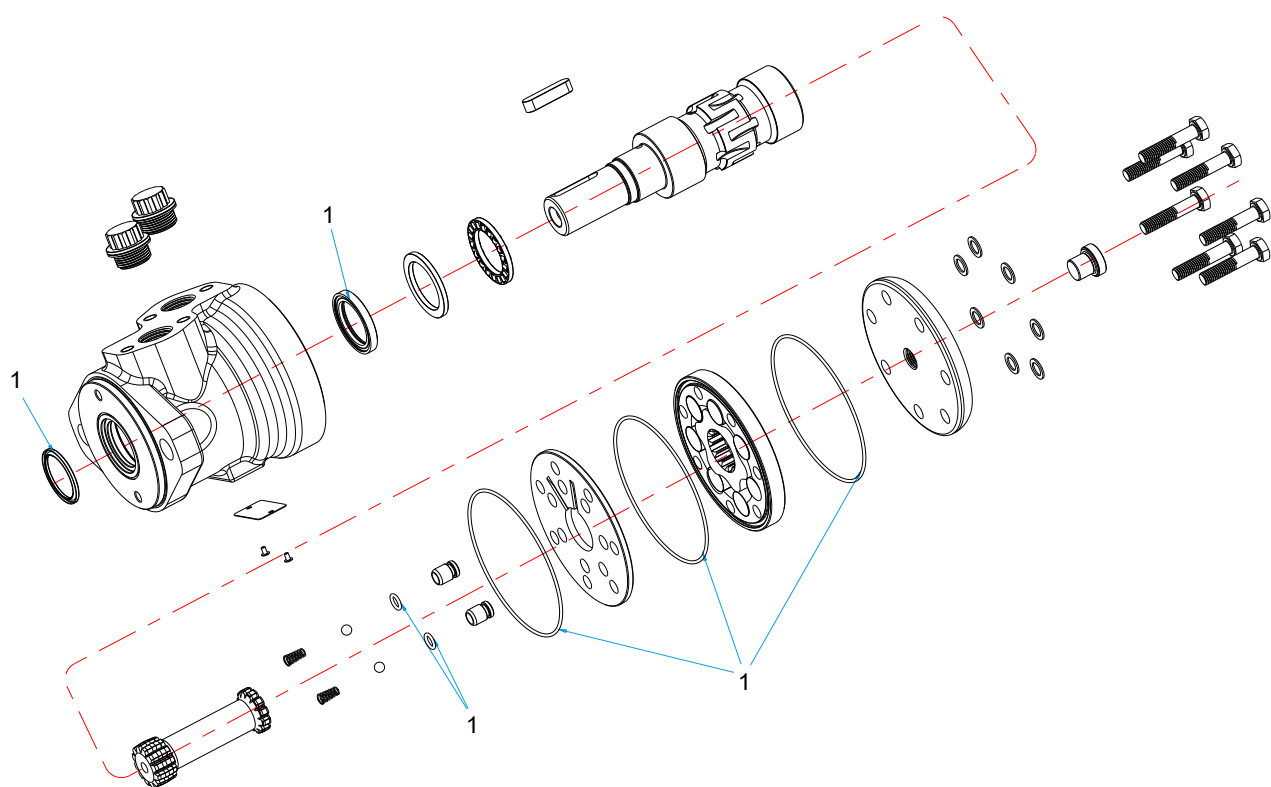
No.	Part No.	Qty.	Description
1	202010003073	1	Gear pump
1a	207990003107	1	Seal kit, gear pump
2	203010003058	1	DC motor

6.4.16 POWER UNIT (PN.202010003090)



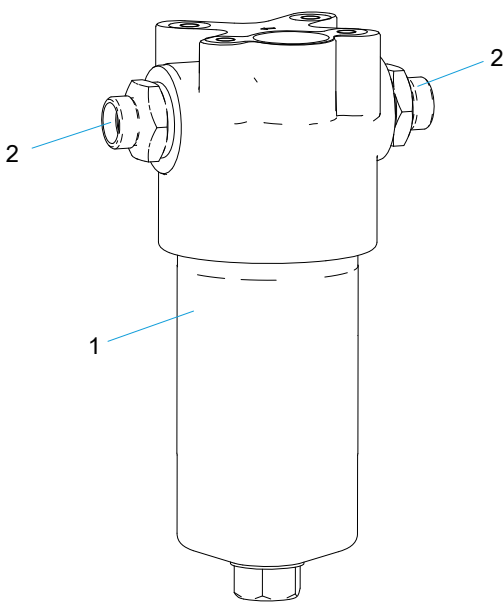
No.	Part No.	Qty.	Description
1	202010003073	1	Gear pump
1a	207990003107	1	Seal kit, gear pump
2	203010003058	1	DC motor

6.4.17 CYCLOID MOTOR (PN.202020003090)



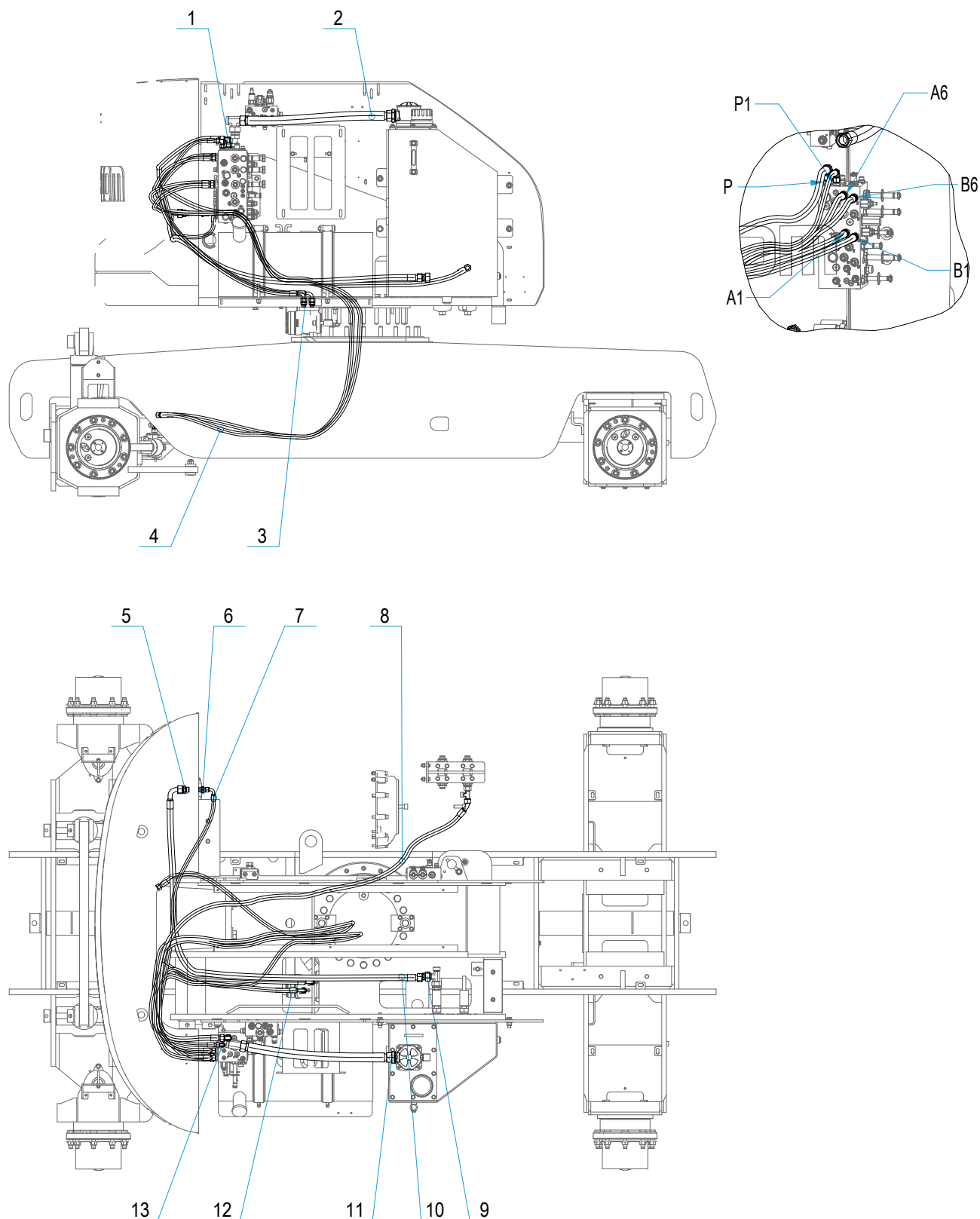
No.	Part No.	Qty.	Description
1	202990003346	1	Seal kit, Cycloid motor

6.4.18 HIGH PRESSURE FILTER AND FITTINGS INSTALLATION OPTIONS



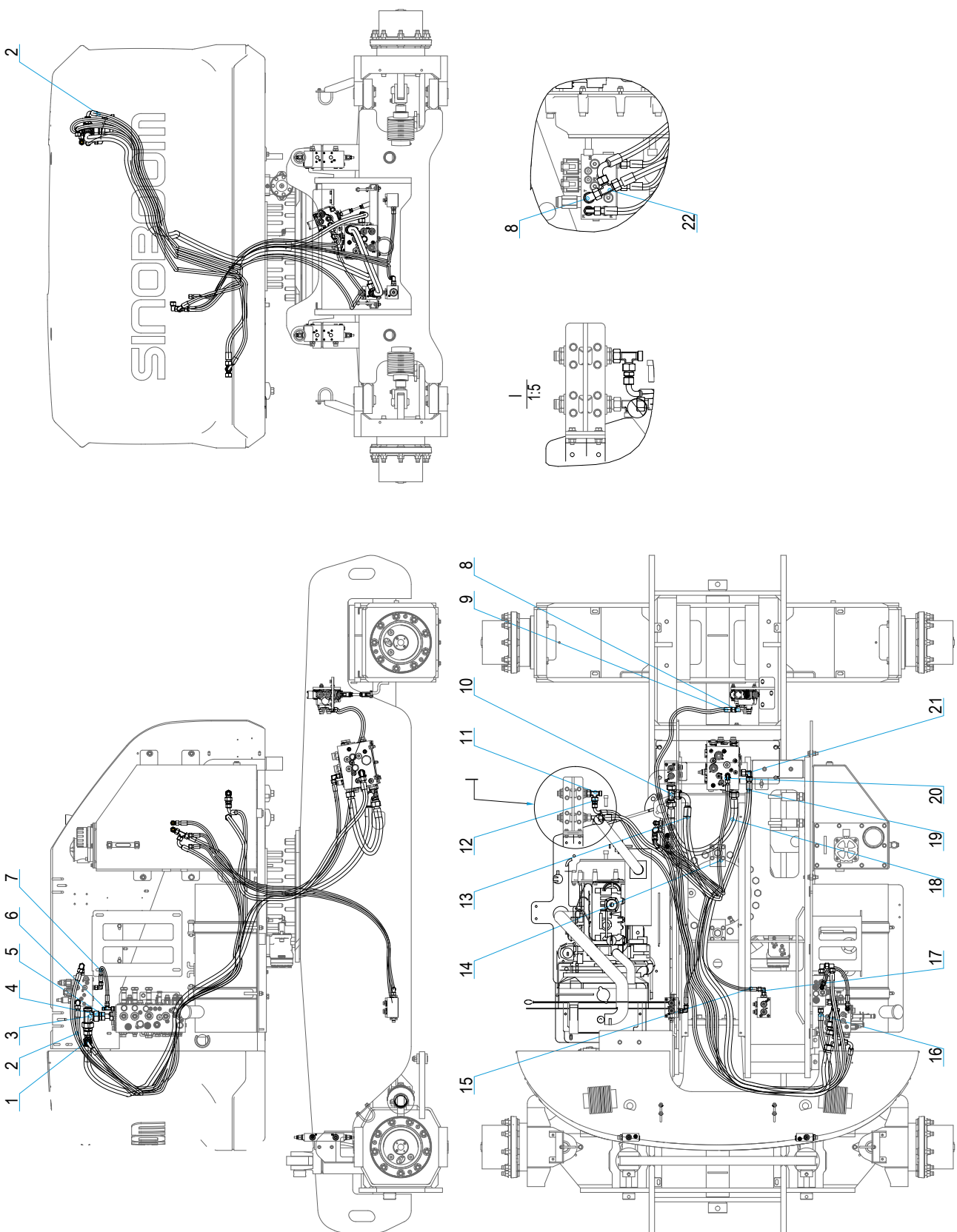
No.	Part No.	Qty.	Description
	103011053052		Filter & fittings installation options
1-1	202080003017	1	High pressure filter(1000181)
1-1a	202080003018	1	Filter element
1-2	202080000046	1	High pressure filter(1000060)
1-2a	202080000048	1	Filter element
2	213010000014	2	Coupler

6.4.19 PIPE LAYOUT DRAWING OF BOOM FUNCTION MANIFOLD



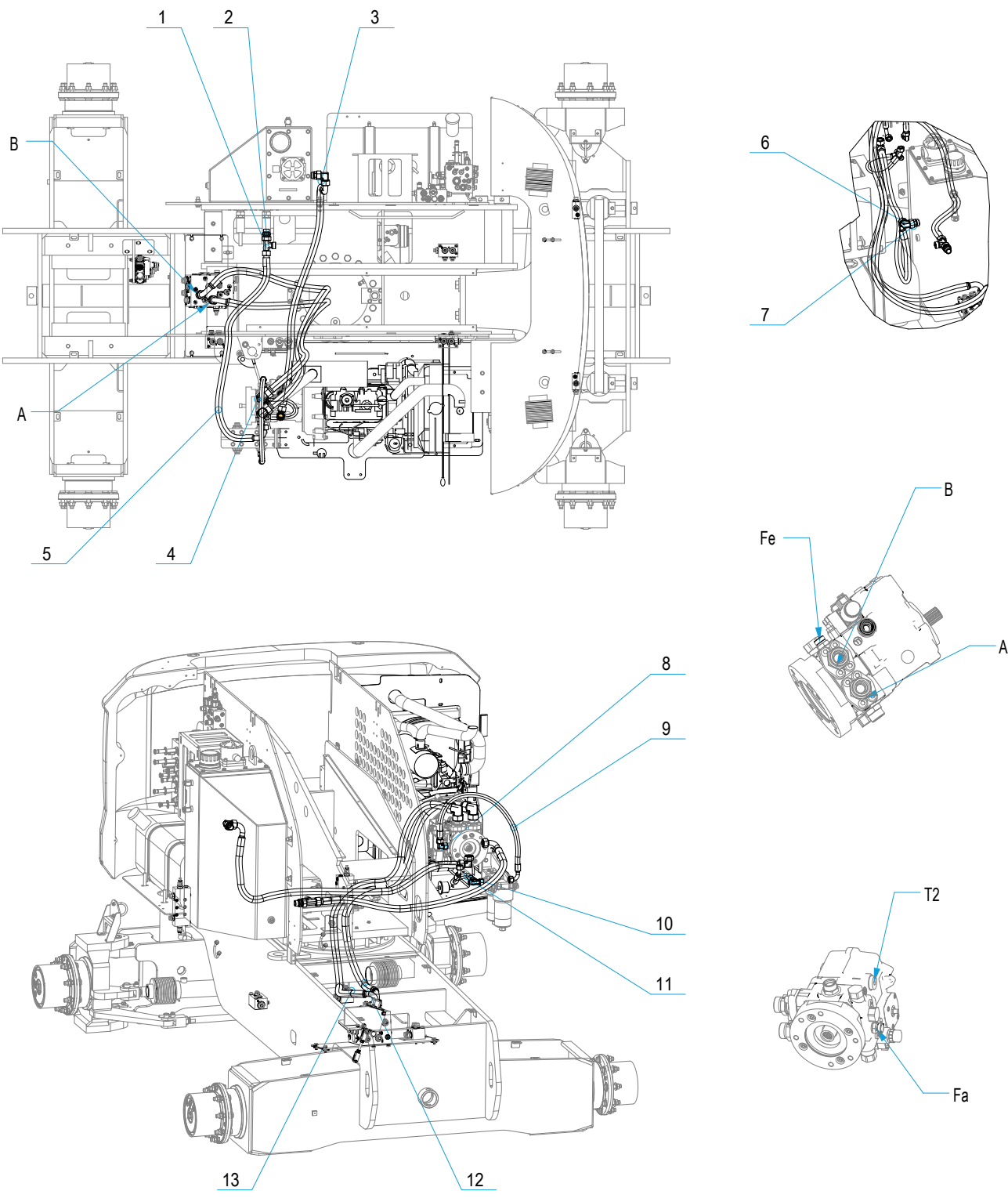
No.	Part No.	Qty.	Description
1	213010000008	1	Coupler
2	213050000775	1	Hose
3	213010000005	2	Coupler
4	213050000300	2	Hose
5	213010000092	1	Coupler
6	213010000125	1	Coupler
7	213050001482	1	Hose
8	213050013992	1	Hose
9	213010000104	1	Coupler
10	213050012438	1	Hose
11	213010000128	1	Coupler
12	213050001600	2	Hose
13	213010000009	1	Coupler

6.4.20 PIPE LAYOUT DRAWING OF BRAKE/2-SPEED CONTROL VALVE



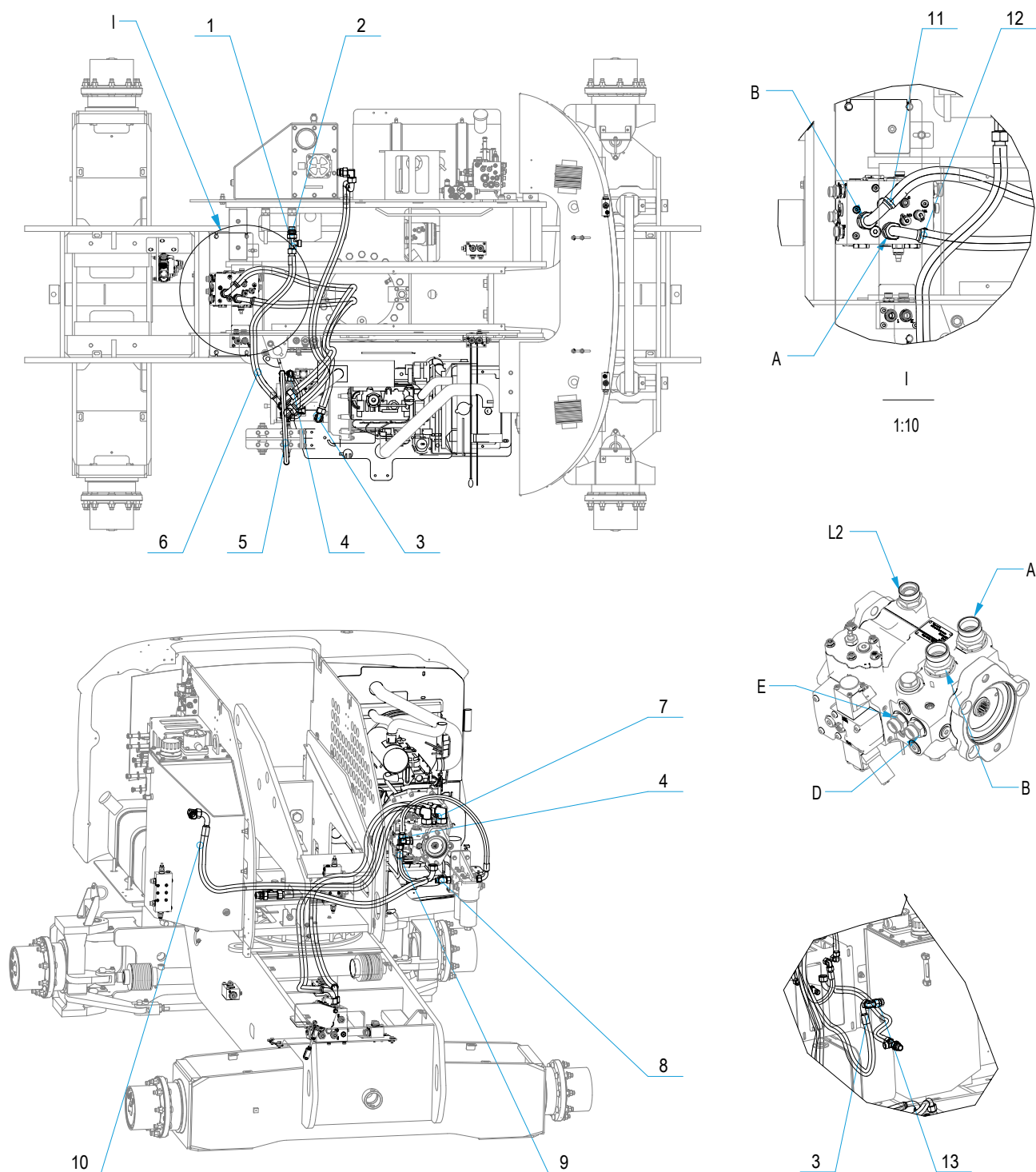
No.	Part No.	Qty.	Description
1	213010000046	1	Coupler
2	213050000233	2	Hose
3	213010000130	1	Coupler
4	213010000034	2	Coupler
5	213010000134	1	Coupler
6	213010000026	1	Coupler
7	213050008467	1	Hose
8	213010000055	5	Coupler
9	213050000667	1	Hose
10	213010000043	2	Coupler
11	213010000078	1	Coupler
12	213010000011	1	Coupler
13	213050003052	1	Hose
14	213050003829	1	
15	213050000285	2	Hose
16	213050000252	1	Hose
17	213010000024	3	Coupler
18	213050000308	1	Hose
19	213050000690	1	Hose
20	213010000009	2	Coupler
21	213010000008	1	Coupler
22	213010000032	1	Coupler

6.4.21 CLOSED PUMP (PN.202010000045) TUBES LAYOUT



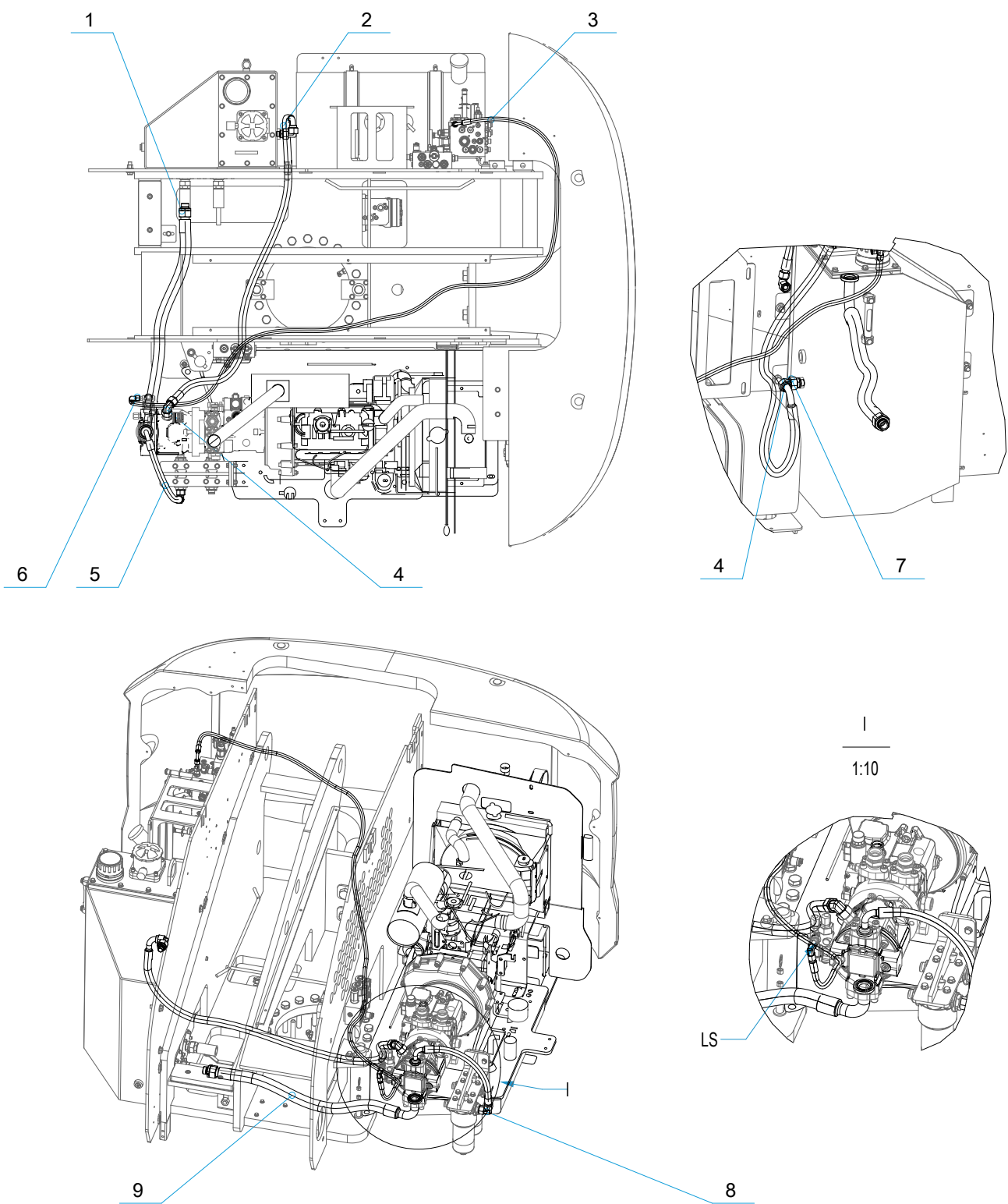
No.	Part No.	Qty.	Description
1	213010000043	1	Coupler
2	213010000045	1	Coupler
3	213050000279	1	Hose
4	213010000022	2	Coupler
5	213050000696	1	Hose
6	213010000041	2	Coupler
7	213010000037	1	Coupler
8	213010000008	1	Coupler
9	213050000575	1	Hose
10	213050016081	1	Hose
11	213010000078	1	Coupler
12	213050018358	1	Hose
13	213050018362	1	Hose

6.4.22 CLOSED PUMP (PN.202010000054) TUBES LAYOUT



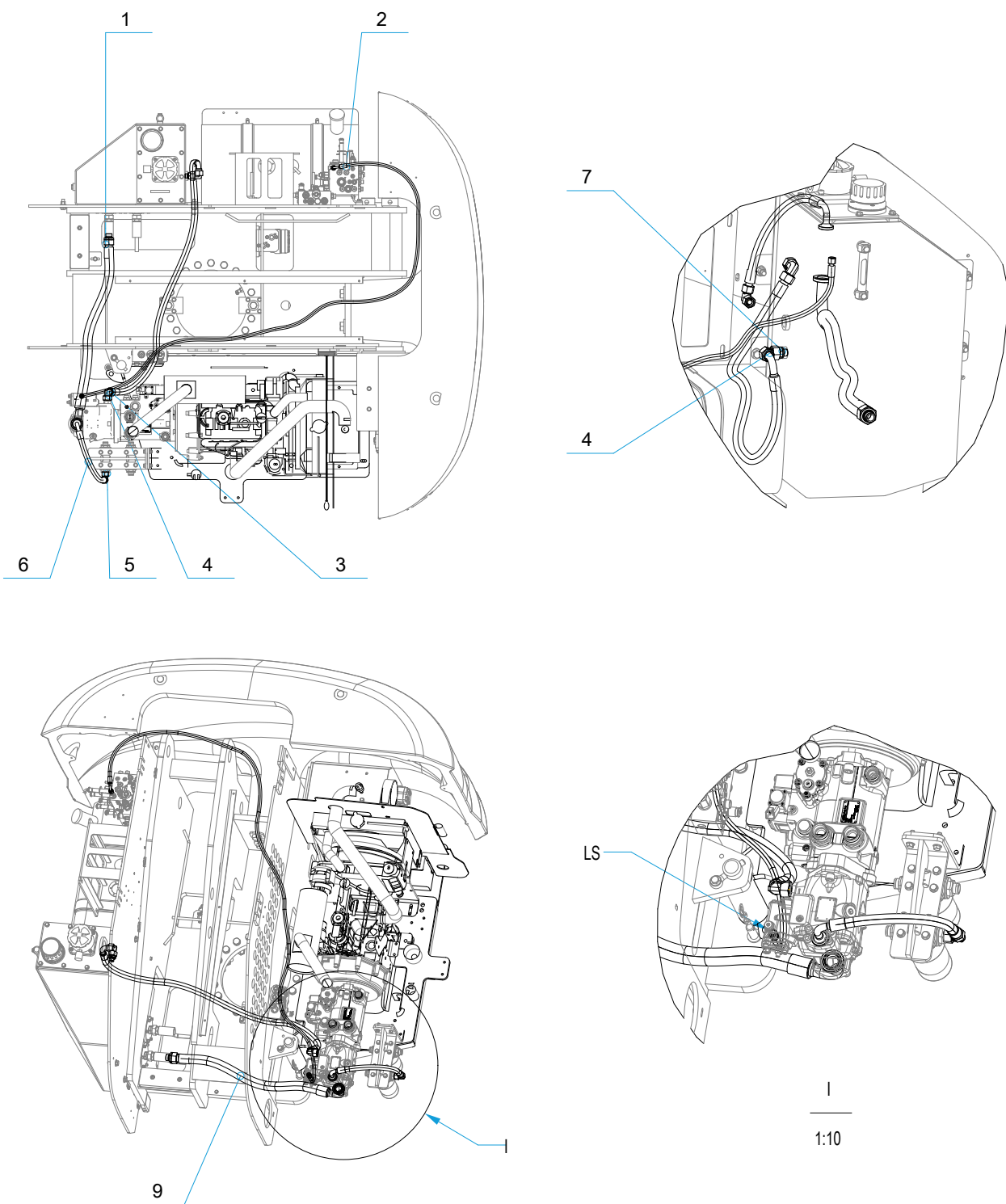
No.	Part No.	Qty.	Description
1	213010000043	1	Coupler
2	213010000045	1	Coupler
3	213010000041	2	Coupler
4	213010000008	2	Coupler
5	213050000575	1	Hose
6	213050003396	1	Hose
7	213010000022	2	Coupler
8	213010000078	1	Coupler
9	213050017102	1	Hose
10	213050000854	1	Hose
11	213050018362	1	Hose
12	213050018358	1	Hose
13	213010000037	1	Coupler

6.4.23 OPEN PUMP (PN.202010000048) TUBES LAYOUT



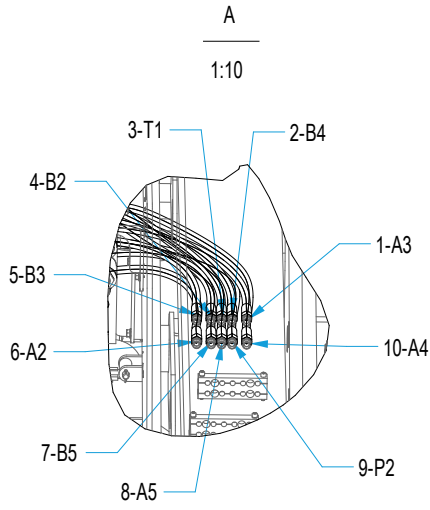
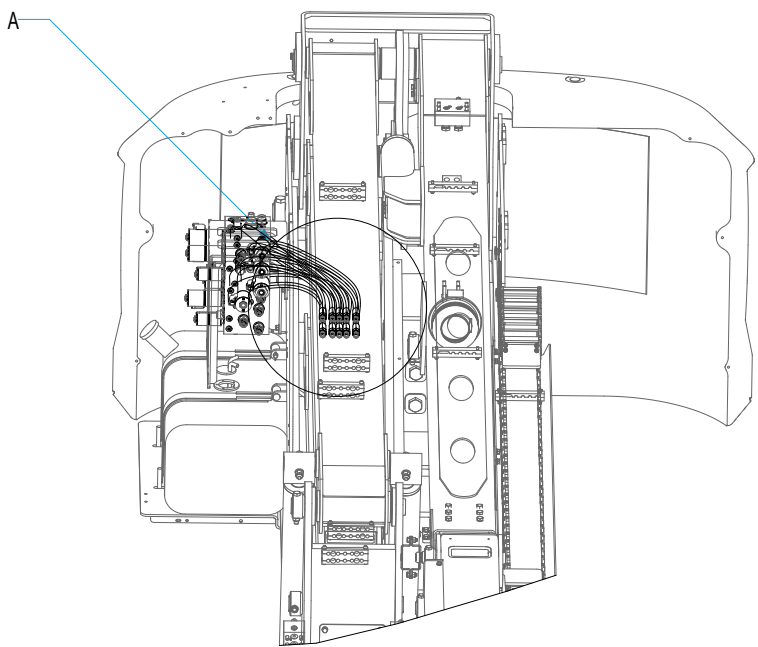
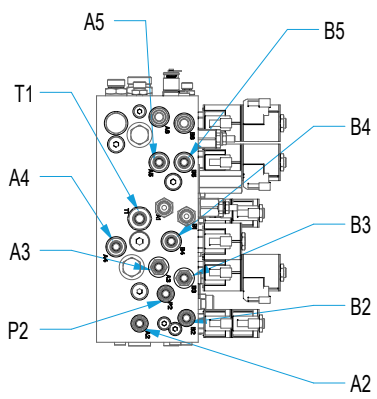
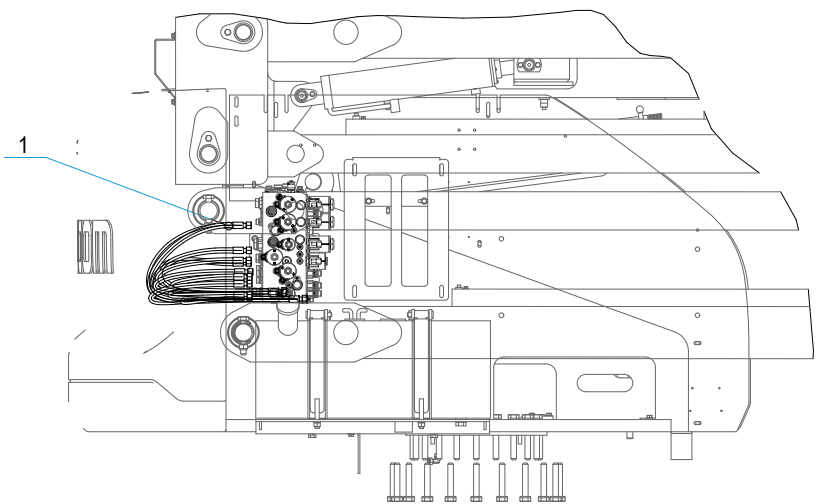
No.	Part No.	Qty.	Description
1	213010000143	1	Coupler
2	213050000836	1	Hose
3	213050008344	1	Hose
4	213010000067	2	Coupler
5	213050015433	1	Hose
6	213010000024	1	Coupler
7	213010000198	1	Coupler
8	213010000008	1	Coupler
9	213050016082	1	Hose

6.4.24 OPEN PUMP (PN.202010003140) TUBES LAYOUT



No.	Part No.	Qty.	Description
1	213010000143	1	Coupler
2	213050014737	1	Hose
3	213050001035	1	Hose
4	213010000067	2	Coupler
5	213010000008	1	Coupler
6	213050015433	1	Hose
7	213010000198	1	Coupler
9	213050016082	1	Hose

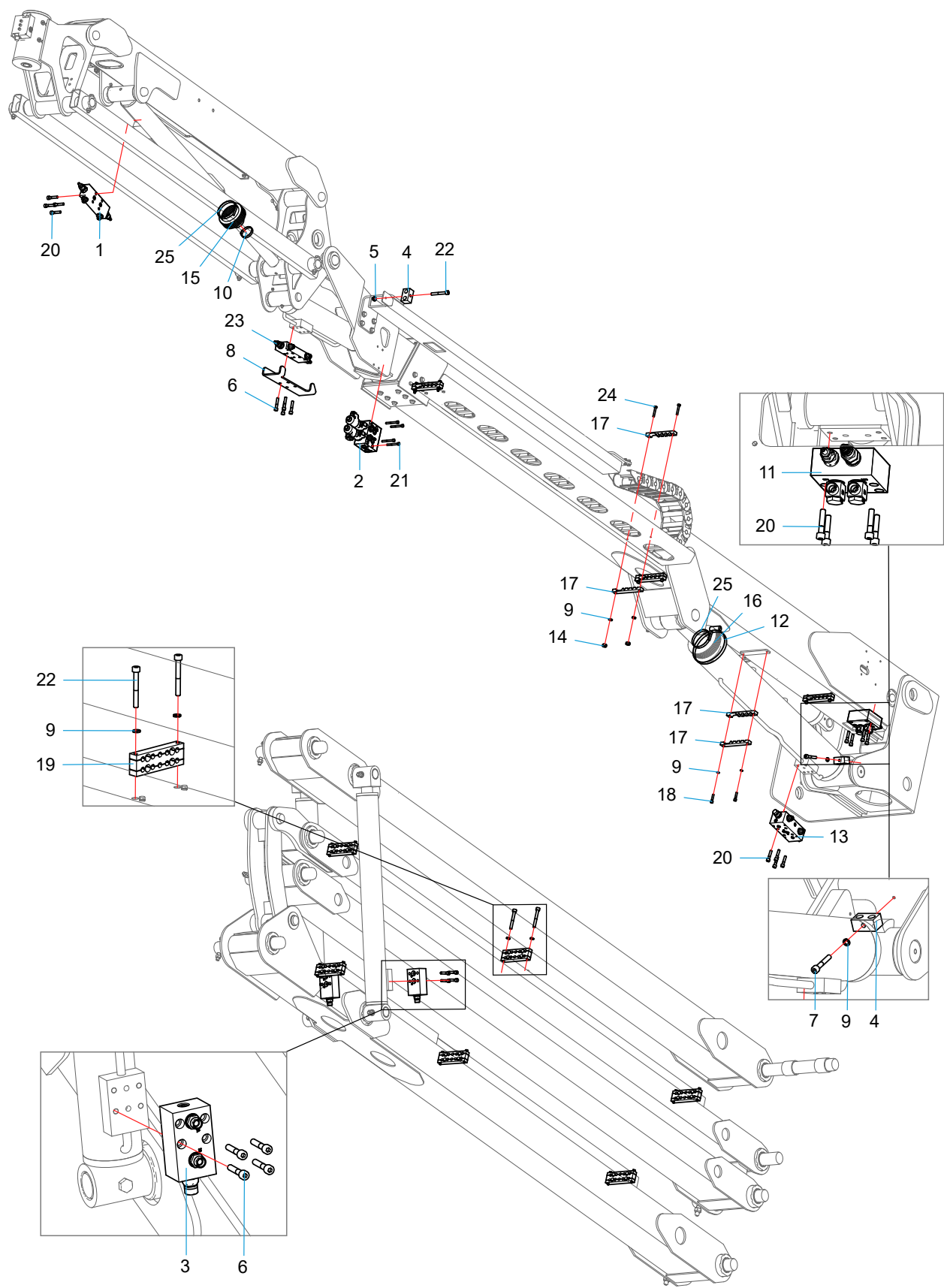
6.4.25 BOOM TUBES LAYOUT



No.	Part No.	Qty.	Description
1	213050000391	10	Hose

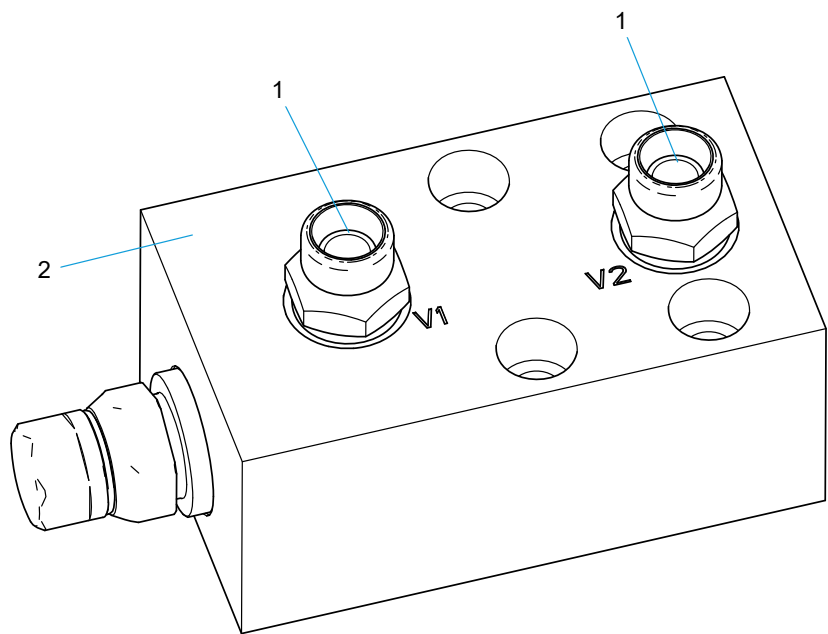
6.5 BOOM HYDRAULIC SYSTEM

6.5.1 BOOM HYDRAULIC COMPONENTS INSTALLATION



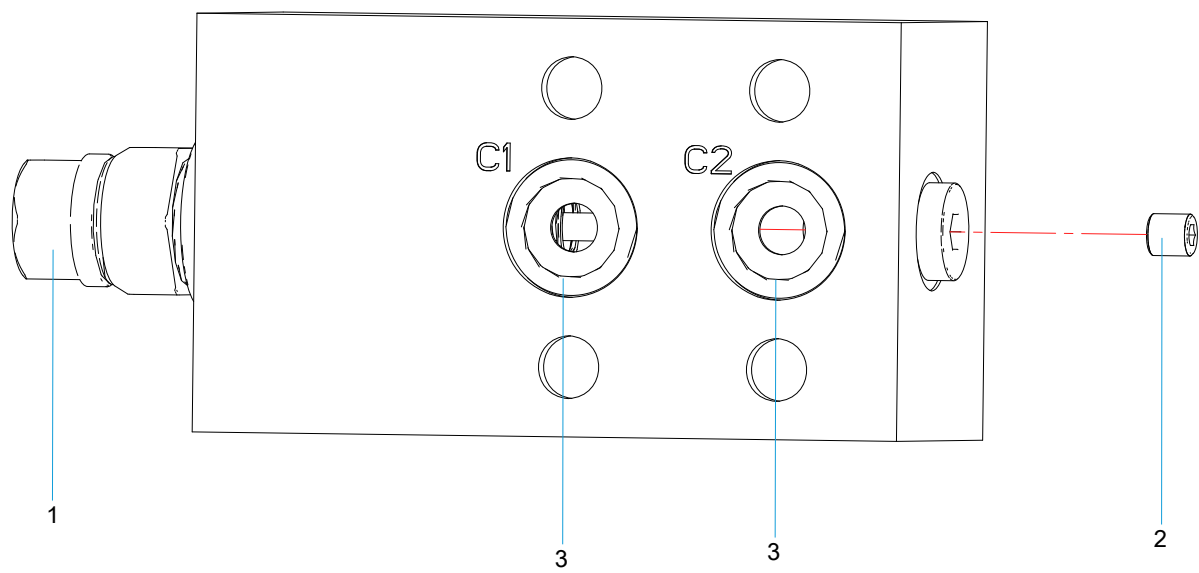
No.	Part No.	Qty.	Description
1	105070053003	1	Jib counterbalance valve fittings installation(See details)
2	103009053043	1	Platform duplex valve & fittings installation(See details)
3	104030050038	2	Installation of lift counterbalance manifold options(See details)
4	216010003006	2	Clamp
5	215030000025	1	Nut M6-8-A2-70 GB/T 889.1
6	215020000031	12	Screw M8×45-10.9-DKL GB/T 70.1
7	215020000016	1	Screw M6×40-A2-70 GB/T 70.1
8	104030010055	1	Plate
9	215040000004	23	Washer 6-A2-70 GB/T 93
10	216020000003	1	Clamp
11	104030050036	1	Installation of telescope counterbalance valve options(See details)
12	216020000012	1	Hose clamp
13	104030050037	1	Installation of main lift counterbalance valve options(See details)
14	215030000004	4	Nut M6-A2-70 GB/T 6170
15	103005050008	1	Bellow, cylinder
16	104009050007	1	Rod jacket, lift cylinder
17	104020050004	10	Clamp, pipe (6-hole)
18	215020000014	6	Screw M6×30-A2-70 GB/T 70.1
19	104009050018	6	Clamp
20	215020000029	12	Screw M8×40-10.9-DKL GB/T 70.1
21	215020000019	4	Screw M6×55-A2-70 GB/T 70.1
22	215020000018	13	Screw M6×50-A2-70 GB/T 70.1
23	105060053032	1	2-way counterbalance valve and fittings installation(See details)
24	215010000054	4	Bolt M6×40-A2-70 GB/T 5783
25	216020000009	2	Hose clamp

6.5.2 TOWER BOOM LIFT COUNTERBALANCE VALVE AND FITTINGS
INSTALLATION OPTIONS



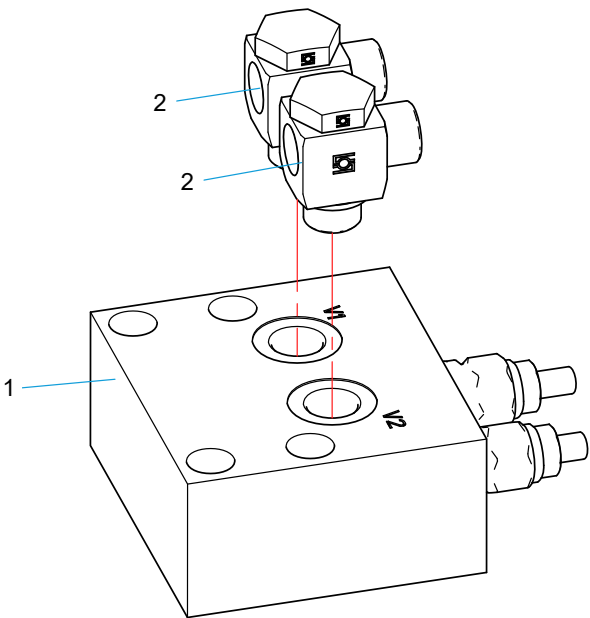
No.	Part No.	Qty.	Description
1	213010000012	2	Coupler
2	202040000327	1	Lift counterbalance valve, tower boom

6.5.3 TOWER BOOM LIFT COUNTERBALANCE VALVE (PN.202040000327)



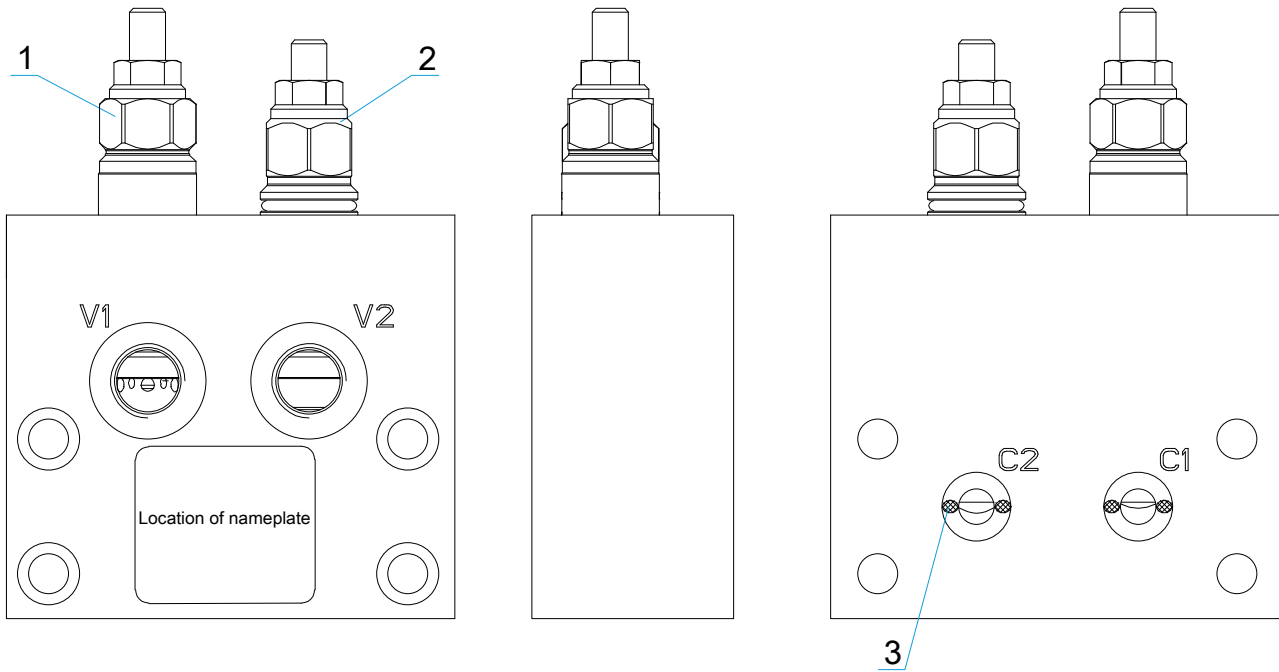
No.	Part No.	Qty.	Description
1	202990003276	1	Counterbalance valve
2	202130003028	1	Damper
3	207060003005	2	O-ring

6.5.4 TELESCOPING COUNTERBALANCE VALVE OPTIONS AND FITTINGS
INSTALLATION



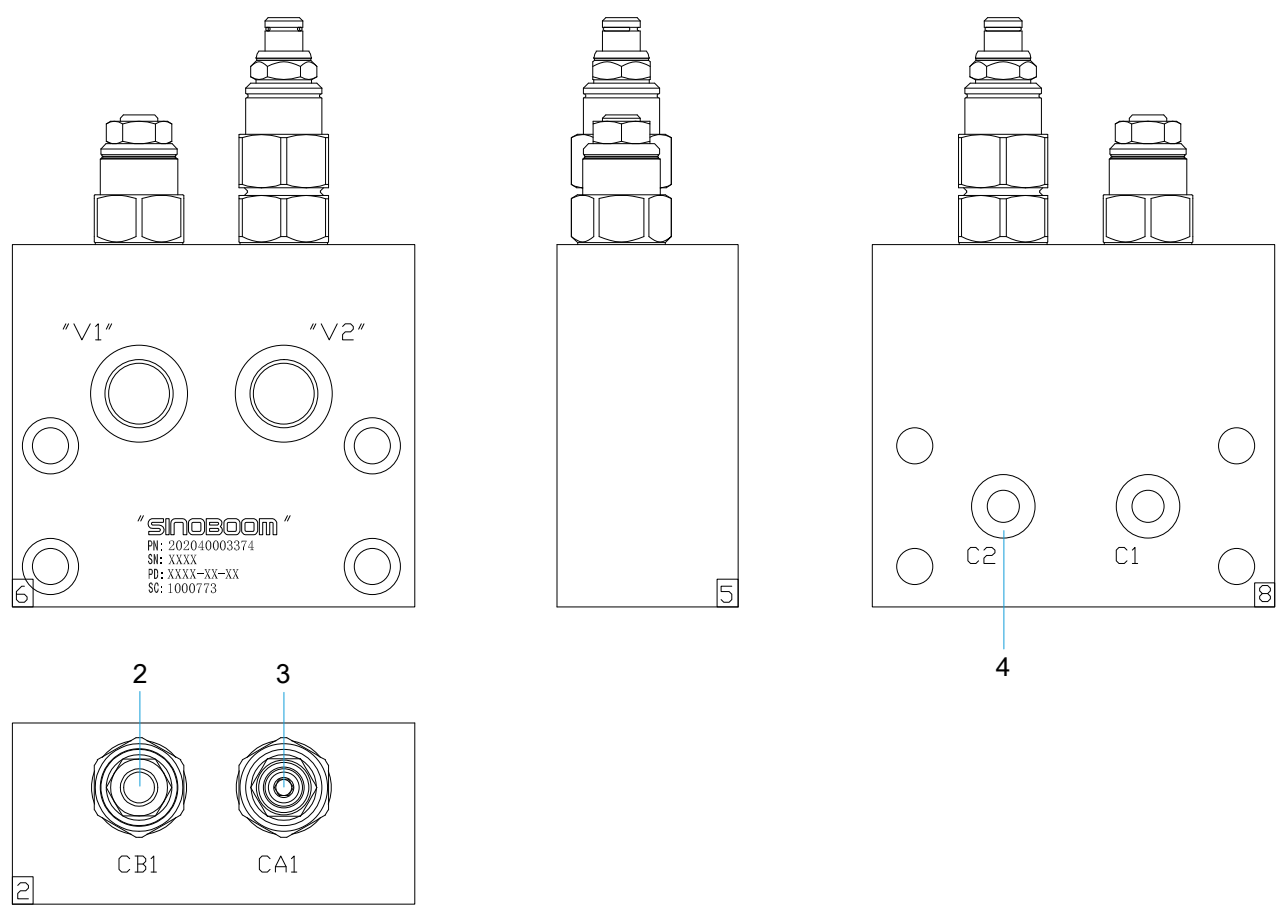
No.	Part No.	Qty.	Description
1	103004050027		Counterbalance valve options, telescoping
1-1	202040003012	1	Telescope counterbalance valve(SC: 1000176)
1-2	202040003374	1	Telescope counterbalance manifold(SC: 1000773)
2	213010000136	2	Coupler

6.5.5 TELESCOPING COUNTERBALANCE VALVE (PN.202040003012)



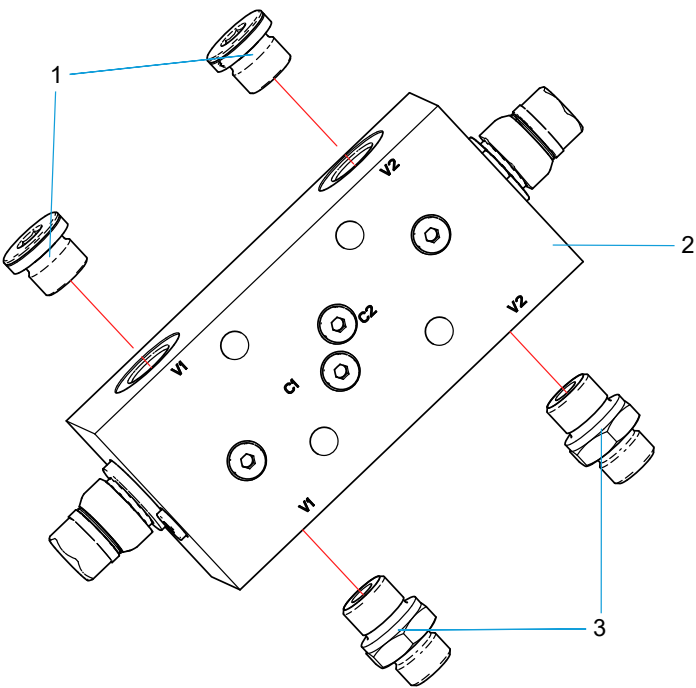
No.	Part No.	Qty.	Description
1	202990003885	1	Counterbalance valve
2	202990003711	1	Counterbalance valve
3	207040003049	2	O-ring

6.5.6 TELESCOPING COUNTERBALANCE VALVE (PN.202040003374)



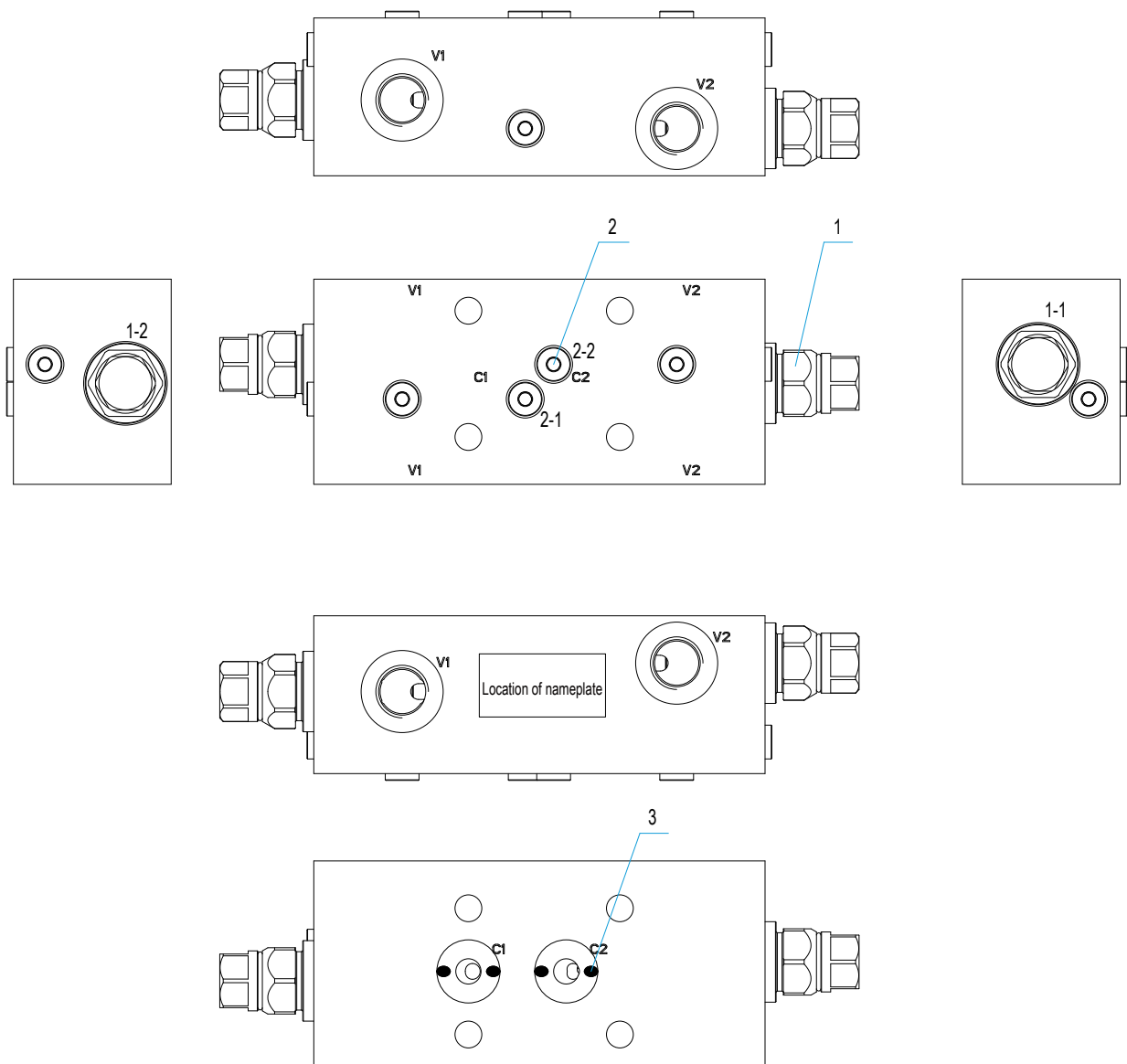
No.	Part No.	Qty.	Description
2	202990003882	1	Counterbalance valve
3	202990003884	1	Counterbalance valve
4	207040003003	2	O-ring

6.5.7 MAIN BOOM LIFT COUNTERBALANCE VALVE OPTIONS AND FITTINGS INSTALLATION



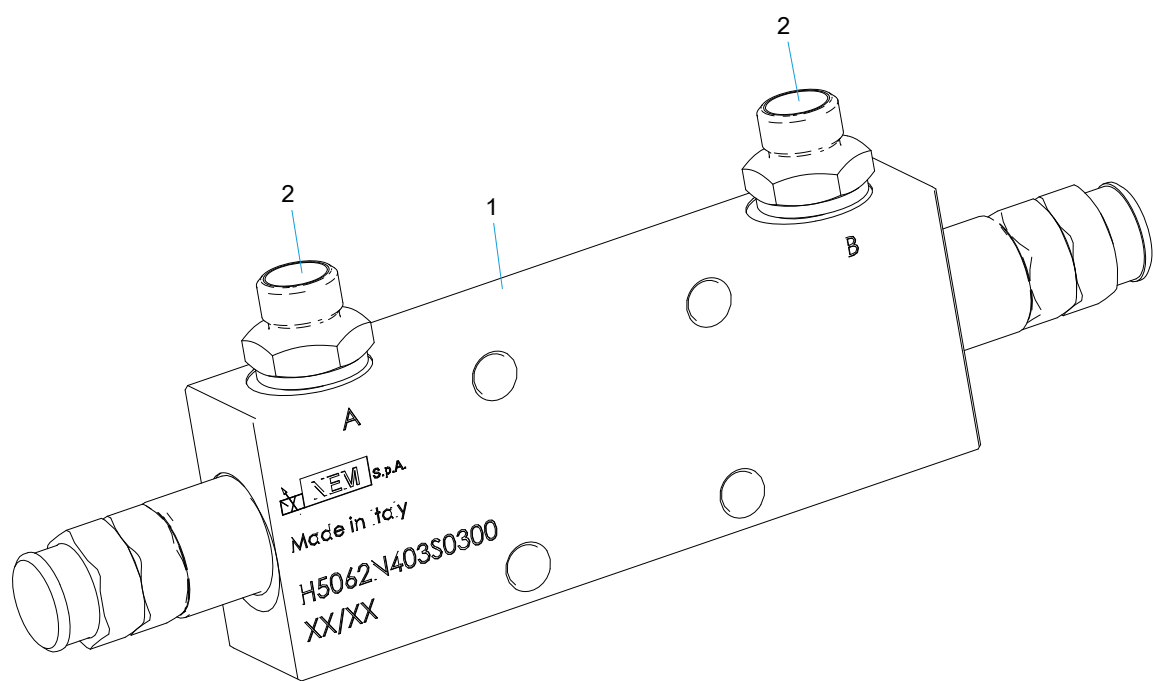
No.	Part No.	Qty.	Description
1	213060000001	2	Plug
2	202040000309	1	Lift counterbalance manifold(See details)
3	213010000006	2	Coupler

6.5.8 LIFT COUNTERBALANCE VALVE (PN.202040000309)



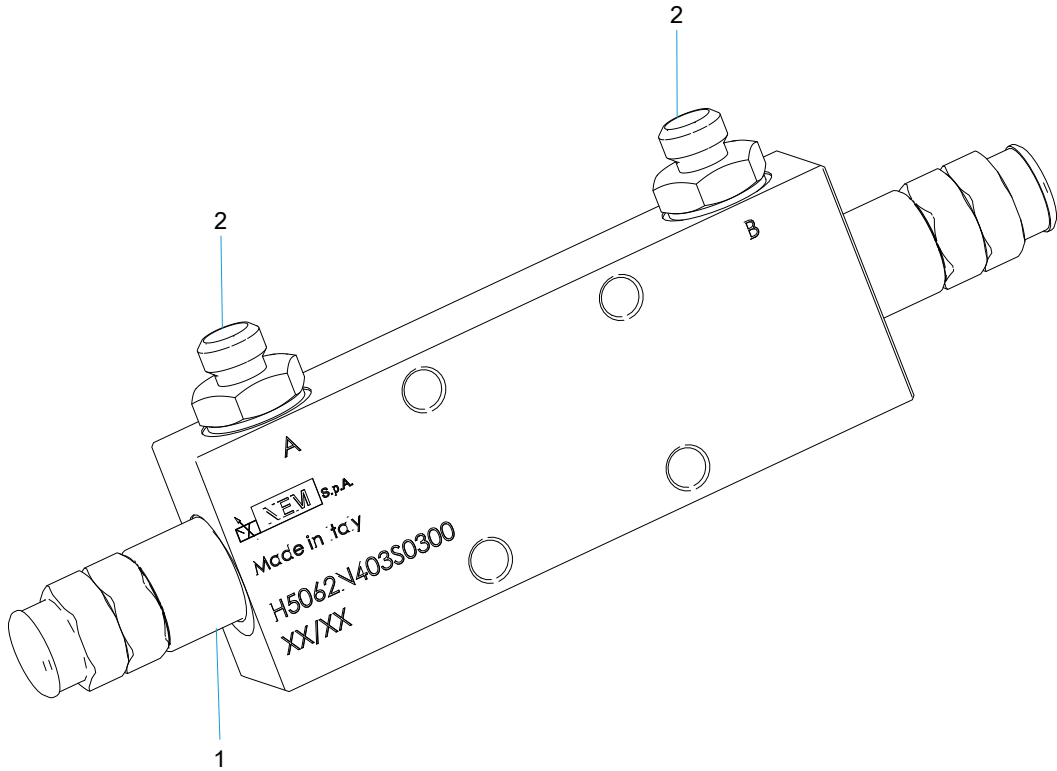
No.	Part No.	Qty.	Description
1	202990003276	2	Counterbalance valve
2	202130003003	2	Damper
3	207060003005	2	O-ring

6.5.9 2-WAY COUNTERBALANCE VALVE AND FITTINGS INSTALLATION



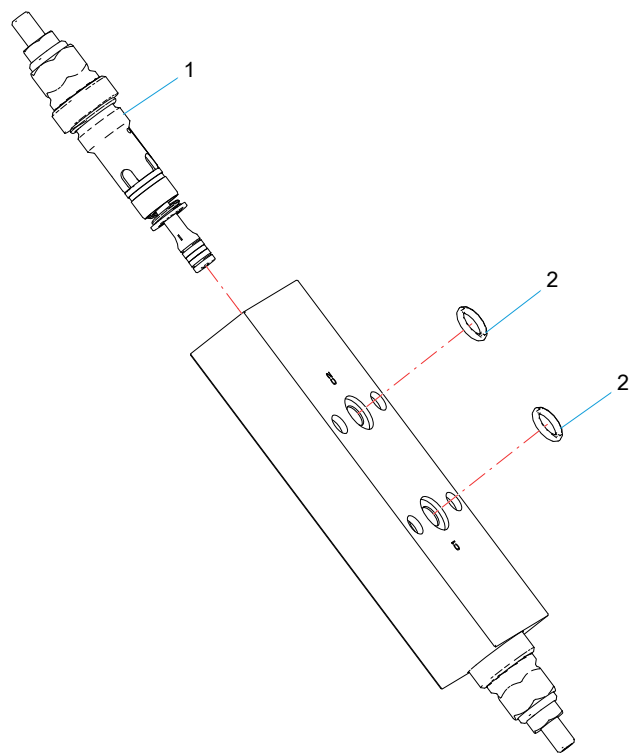
No.	Part No.	Qty.	Description
1	202040000011	1	Counterbalance valve, leveling
2	213010000006	2	Coupler

6.5.10 JIB COUNTERBALANCE VALVE AND FITTINGS INSTALLATION



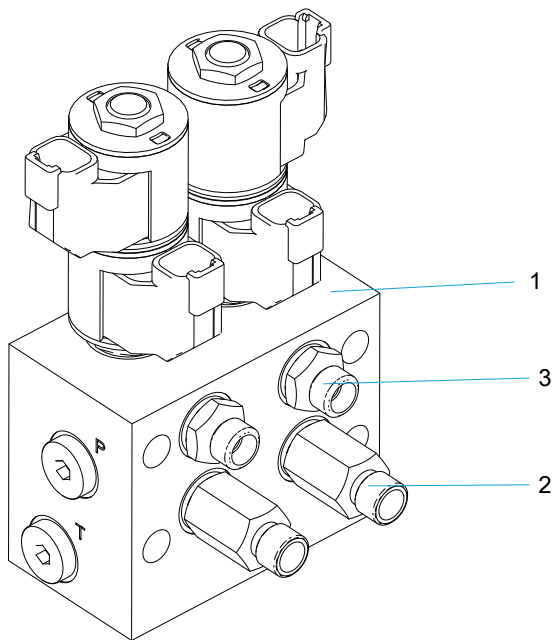
No.	Part No.	Qty.	Description
1	202040000011	1	Counterbalance valve, leveling
2	213010000047	2	Coupler

6.5.11 LEVELING COUNTERBALANCE VALVE (PN.20204000011)



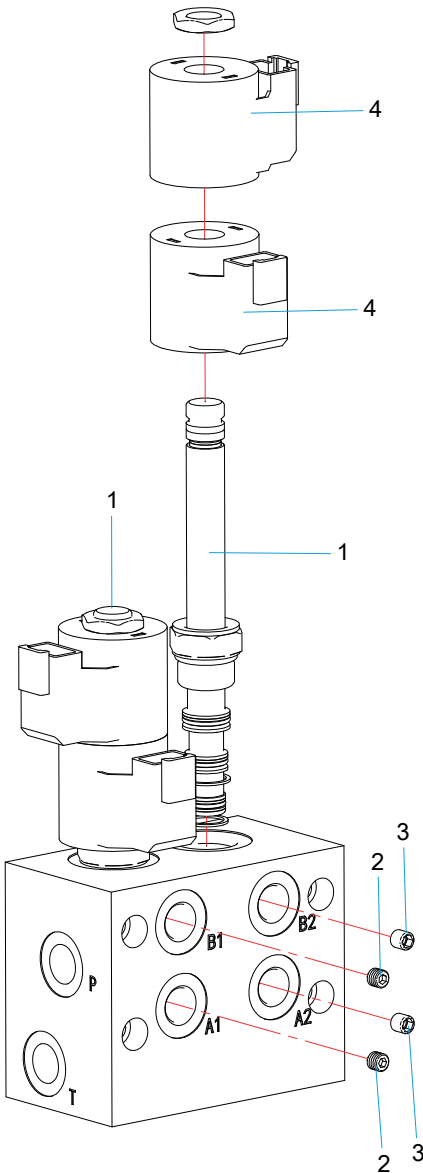
No.	Part No.	Qty.	Description
1	202990003040	2	Counterbalance valve spool
2	207040003049	2	O-ring

6.5.12 PLATFORM DUPLEX VALVE AND FITTINGS INSTALLATION



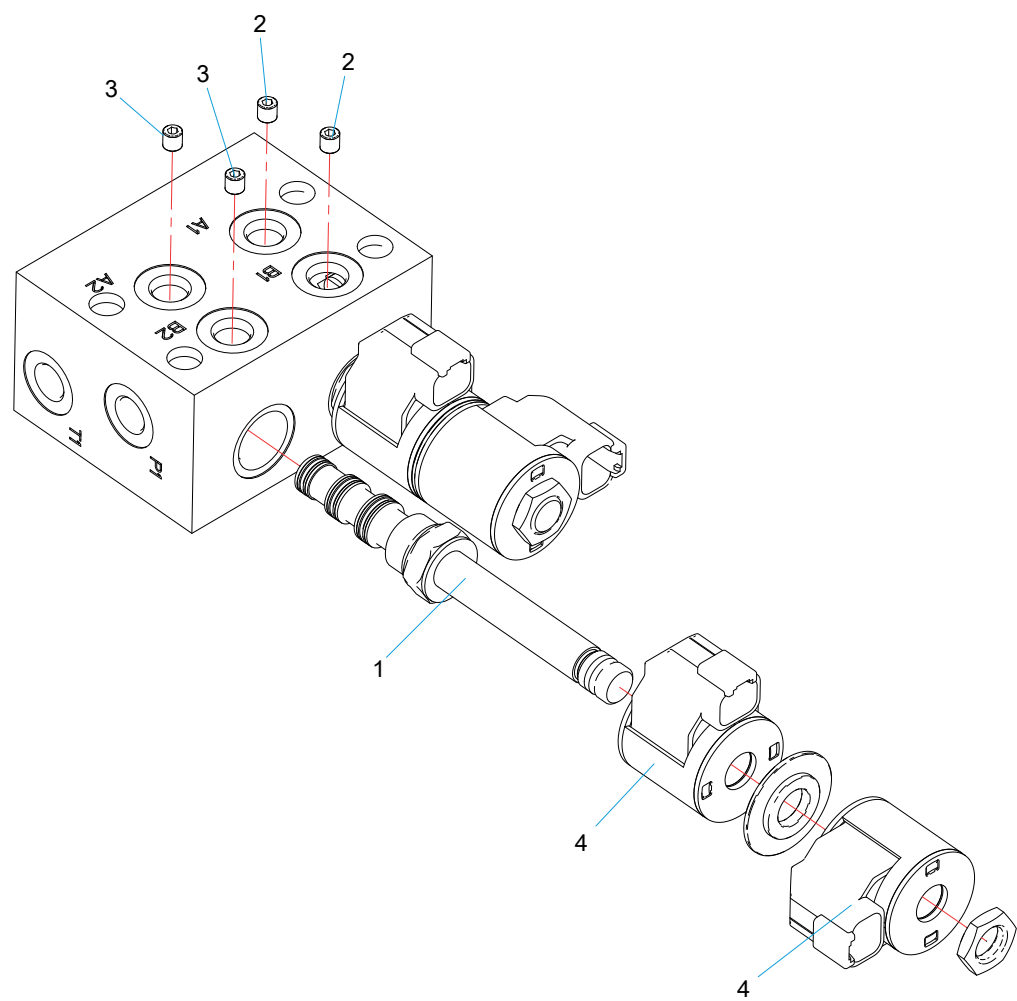
No.	Part No.	Qty.	Description
1-1	202040003259	1	Platform manifold, duplex(SC: 1000282)
1-2	202040000329	1	Platform manifold, duplex(SC: 1000176)
2	105030050010	2	Fitting, heightened
3	213010000007	2	Fitting

6.5.13 PLATFORM DUPLEX VALVE (PN.202040003259)



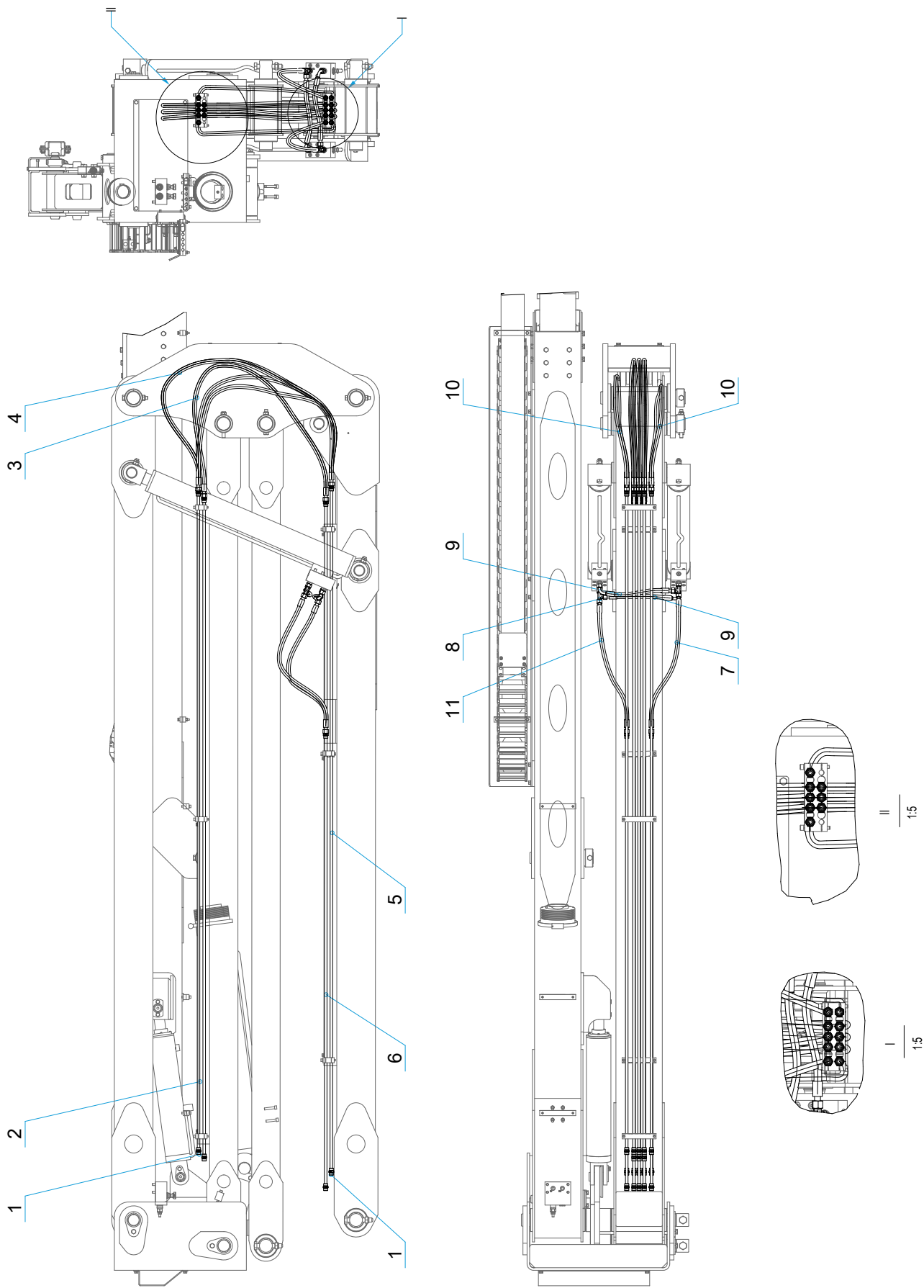
No.	Part No.	Qty.	Description
1	202040000399	2	Solenoid valve
2	202130000008	2	Damper plug
3	202130000001	2	Damper
4	202990003242	4	Coil

6.5.14 PLATFORM DUPLEX VALVE (PN.202040000329)



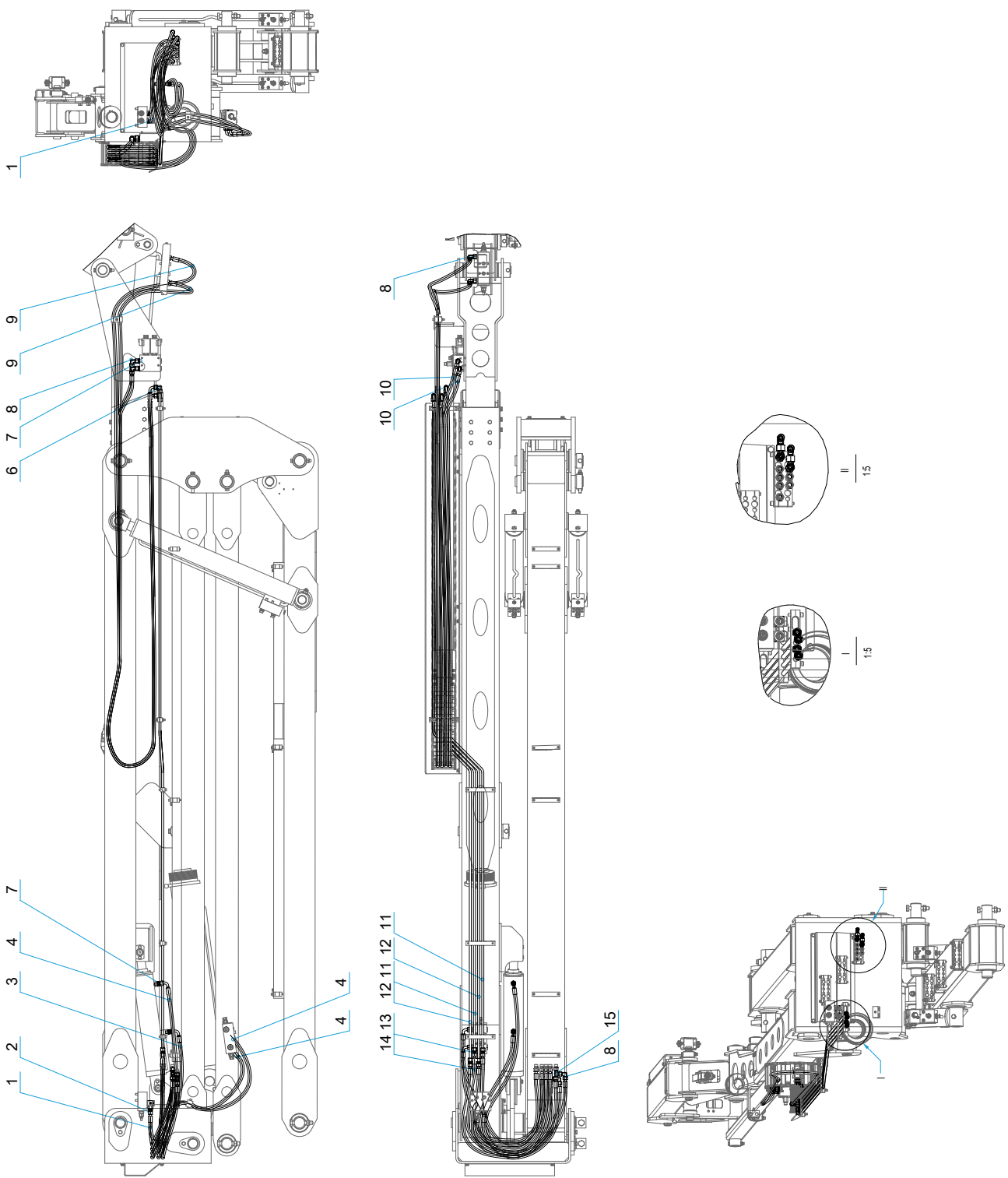
No.	Part No.	Qty.	Description
1	202040000399	2	Solenoid valve
2	202130000008	2	Damper plug
3	202130000001	2	Damper
4	202040003153	4	Coil

6.5.15 TOWER BOOM TUBES LAYOUT



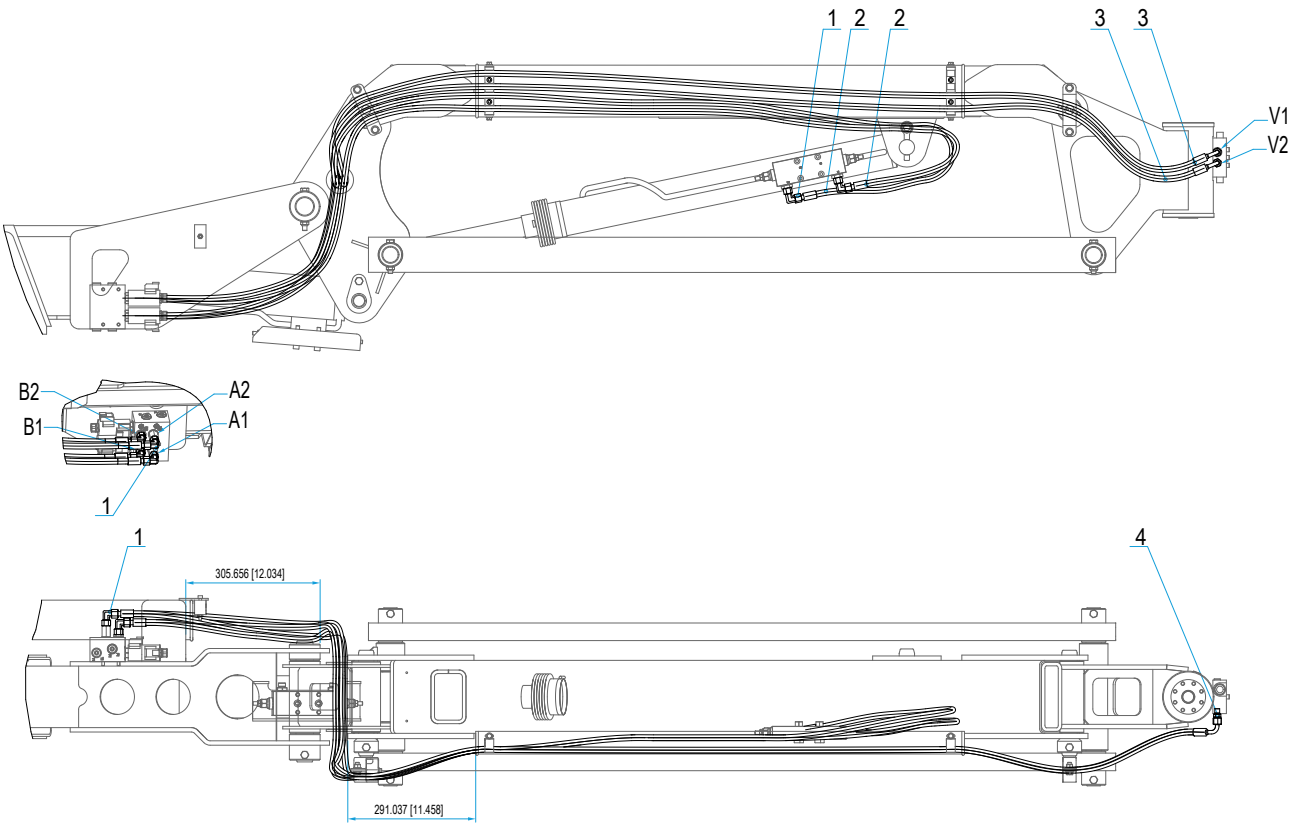
No.	Part No.	Qty.	Description
1	213010000126	36	Coupler
2	104009050051	8	Steel tube
3	213050001371	3	Hose
4	213050000371	3	Hose
5	104009050052	8	Steel pipe
6	104009050049	2	Steel pipe
7	213050000372	1	Hose
8	213010000079	2	Coupler
9	213050000981	2	Hose
10	213050001372	2	Hose
11	213050000953	1	Hose

6.5.16 PIPE LAYOUT DRAWING OF MAIN BOOM



No.	Part No.	Qty.	Description
1	213050000372	2	Hose
2	213010000083	2	Coupler
3	213050000488	1	Hose
4	213050001482	3	Hose
6	213010000063	4	Coupler
7	213010000012	4	Coupler
8	213010000009	6	Coupler
9	213050000808	2	Hose
10	213050001308	2	Hose
11	104030050053	2	Steel tube assembly
12	104030050057	2	Steel tube assembly
13	213010000126	4	Coupler
14	213050000381	4	Hose
15	213010000079	2	Coupler

6.5.17 PIPE LAYOUT DRAWING OF JIB BOOM

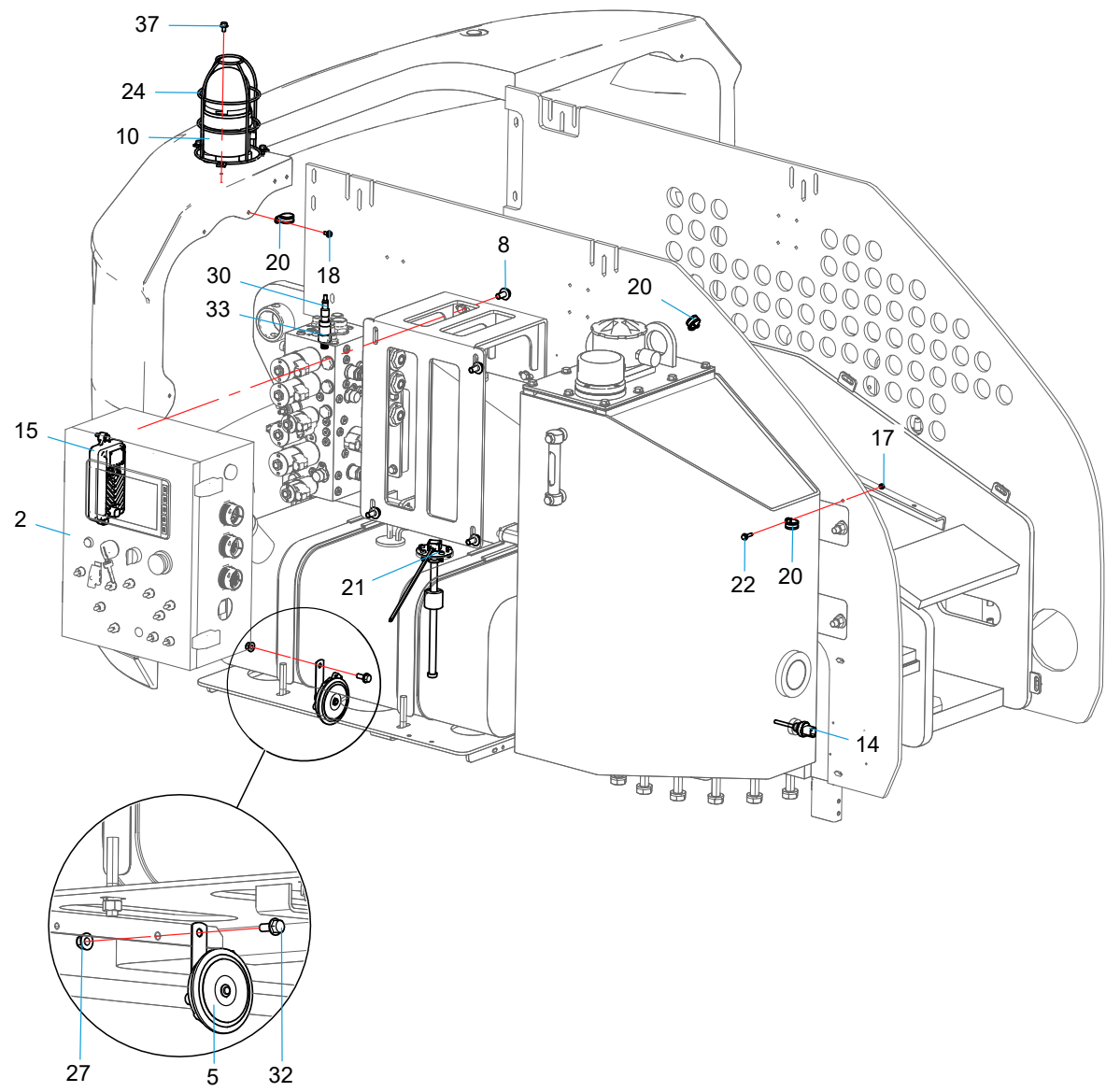


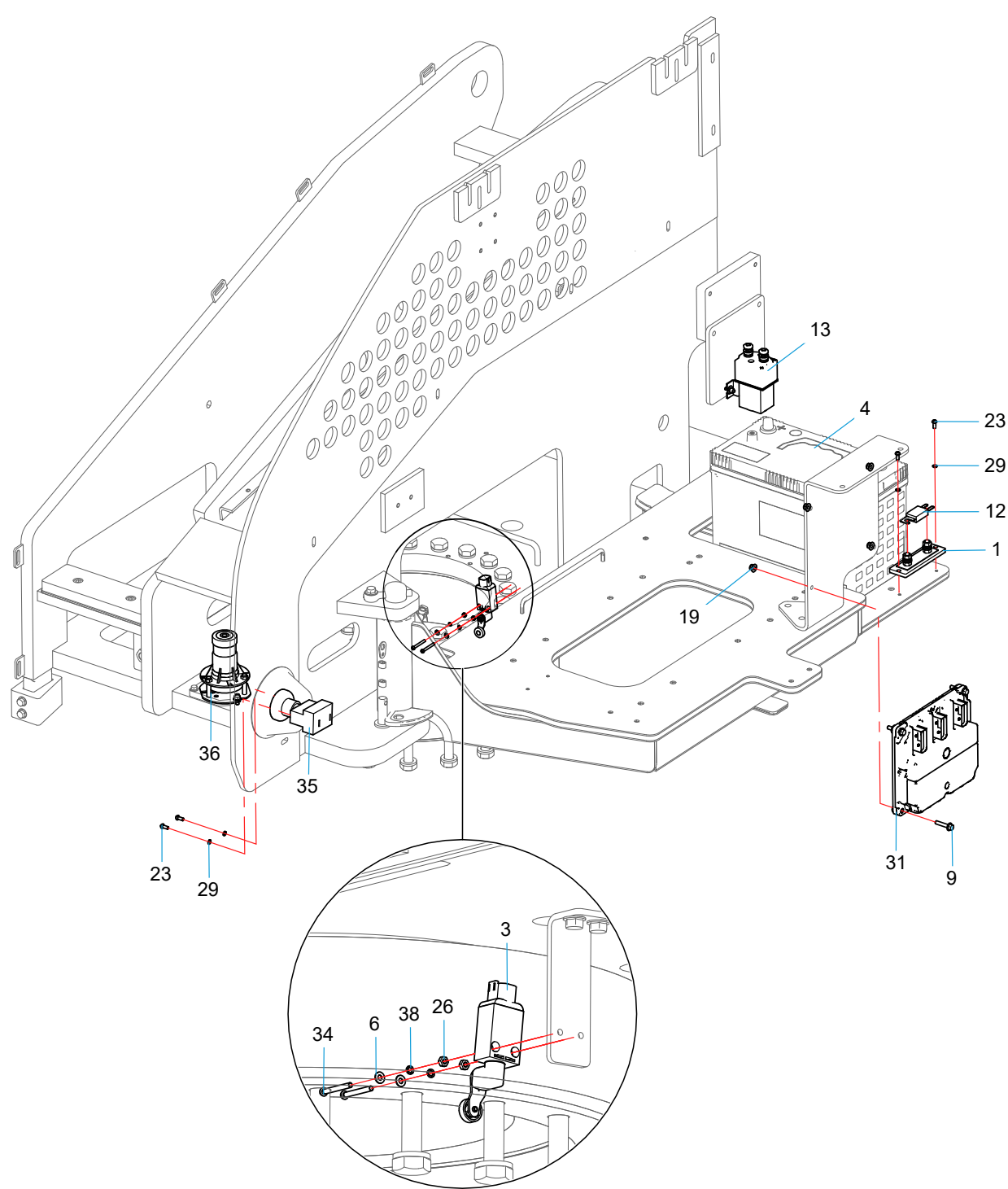
No.	Part No.	Qty.	Description
1	213010000024	6	Coupler
2	213050017107	2	Hose
3	213050012273	2	Hose
4	213010000013	2	Coupler

7 ELECTRICAL SYSTEM

7.1 TURNTABLE ELECTRICAL SYSTEM

7.1.1 TURNTABLE ELECTRICAL COMPONENTS INSTALLATION

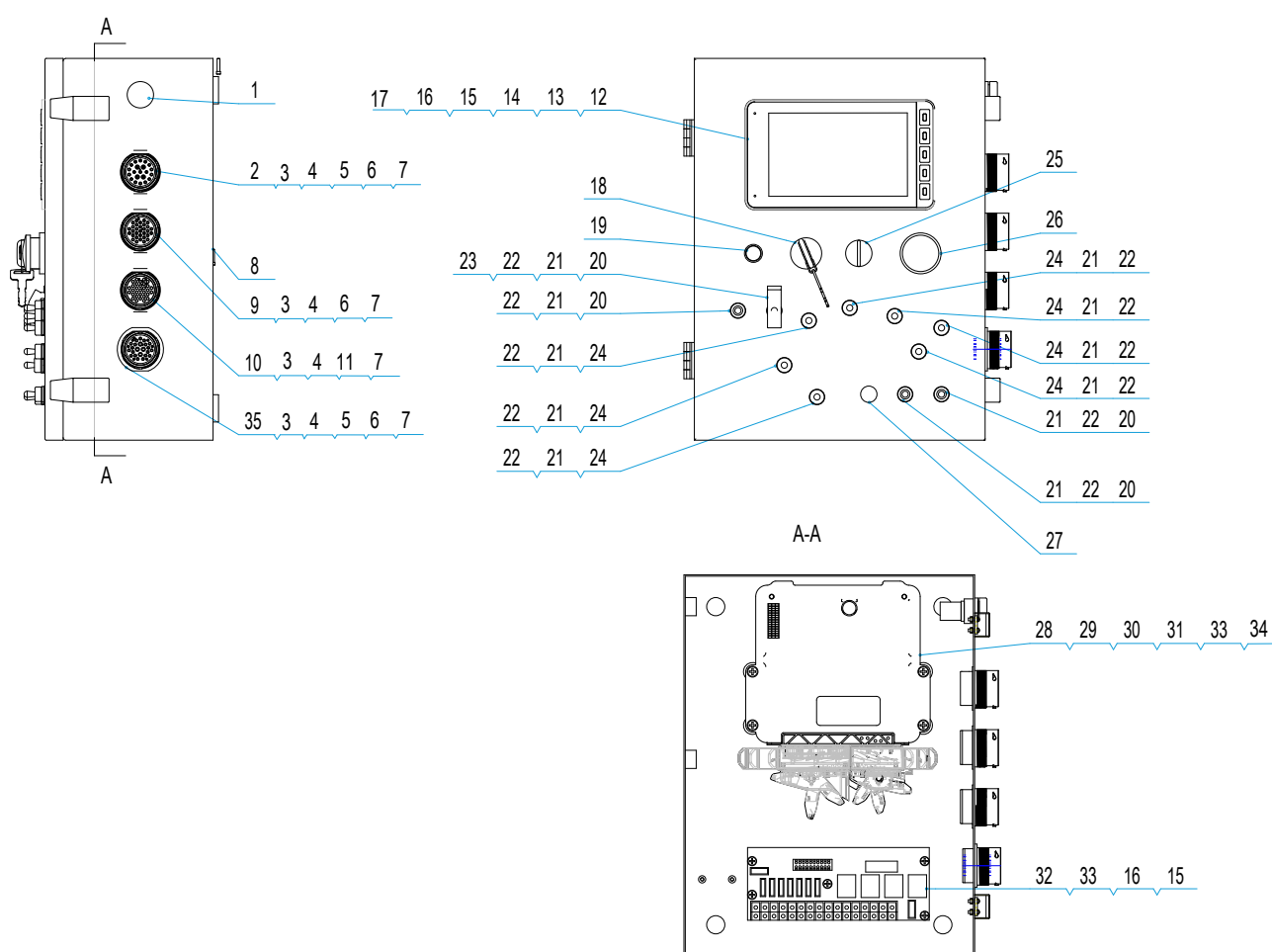




No.	Part No.	Qty.	Description
1	203070000056	1	Fuse holder
2	104030060006	1	Turntable controller assembly(See details)
3	203060000146	1	Limit switch
4	114015063057		Maintenance-free battery options
4-1	203100000061	1	Maintenance-free battery(110Ah)
4-2	203100003158	1	Maintenance-free battery(100Ah)
5	114012063086		Horn option(See details)
6	215040000031	2	Washer 4-A2 GB/T 97.1
7	203080000250	1	Battery connector (positive and negative in pairs)(Not shown)
8	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
9	215010000282	4	Bolt M6×30-8.8-ZnD GB/T 5789
10	114012063080		Caution light option
10-1	203050003017	1	Caution light(Volume fixed)
10-2	203050003057	1	Caution light(Volume adjustable)
11	104030060009	1	Harness, turntable(Not shown)
12	105084063053		OPT, fuse
12-1	203070003047	1	Fuse(UL, 250A)
12-2	203070000048	1	Fuse(CE, 250A)
13	114015063047	1	Contactor installation(See details)
14	203150000072	1	Temperature sensor
15	103006063020		Options, GPS installation(See details)
16	104030060029		OPT ,ELEC wiring DIAG (power harness)(Not shown)
16-1	104030060011	1	Power harness wiring diagram(For use with Yanmar engine, see details)
16-2	104030060028	1	ELEC wiring DIAG, power harness(For use with Kubota engine, see details)
17	215030000003	2	Nut M5-A2-70 GB/T 6170
18	215010000353	1	Bolt M5×10-8.8-ZnD GB/T 5789
19	215030000107	4	Nut M6-8-ZnD GB/T 6183.1
20	216020000024	5	Retaining ring
21	104021063133		Single-tube level sensor option
21-1	203150000026	1	Single-tube level sensor(SC: 1000041)
21-2	203150003115	1	Single-tube level sensor(SC: 1000948)
22	215010000256	2	Bolt M5×20-8.8-ZnD GB/T 5789
23	215020000110	4	Screw M5×12-A2-70 GB/T 818
24	105021060024	1	Guard, light (warning)
25	203100000053	1	Sheath, flexible (L, red)(Not shown)
26	215030000002	2	Nut M4-8-A2-70 GB/T 6170
27	215030000108	1	Nut M8-8-ZnD GB/T 6183.1
28	203100000051	1	Sheath, flexible (L, black)(Not shown)

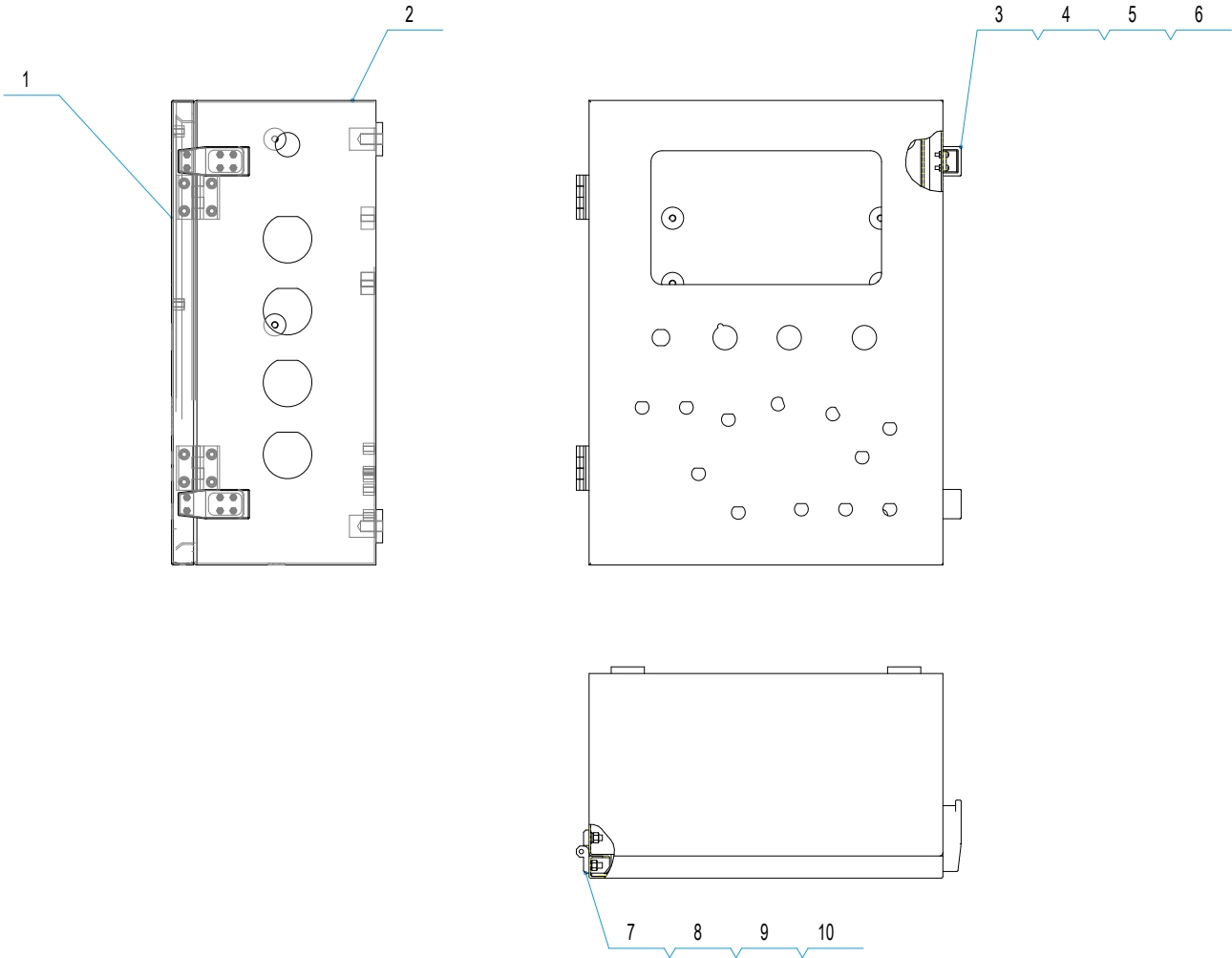
No.	Part No.	Qty.	Description
29	215040000003	4	Washer 5-A2-70 GB/T 93
30	203080003094	1	Plug with cable
31	203100003241	1	Power switch box
32	215010000234	1	Bolt M8×20-8.8-ZnD GB/T 5789
33	114007063026		Pressure sensor option(See details)
34	215020000212	2	Screw M4×35-A2-70 GB/T 818
35	114004063040		Power switch option
35-1	203060000024	1	Power switch(SC: 1000200)
35-2	203060003167	1	Power switch(SC: 1000110, AU)
36	103008063058		Options, Level sensor installation(See details)
37	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
38	215040000002	2	Washer 4-A2-70 GB/T 93

7.1.2 TURNTABLE CONTROLLER ASSEMBLY (PN.104030060006)



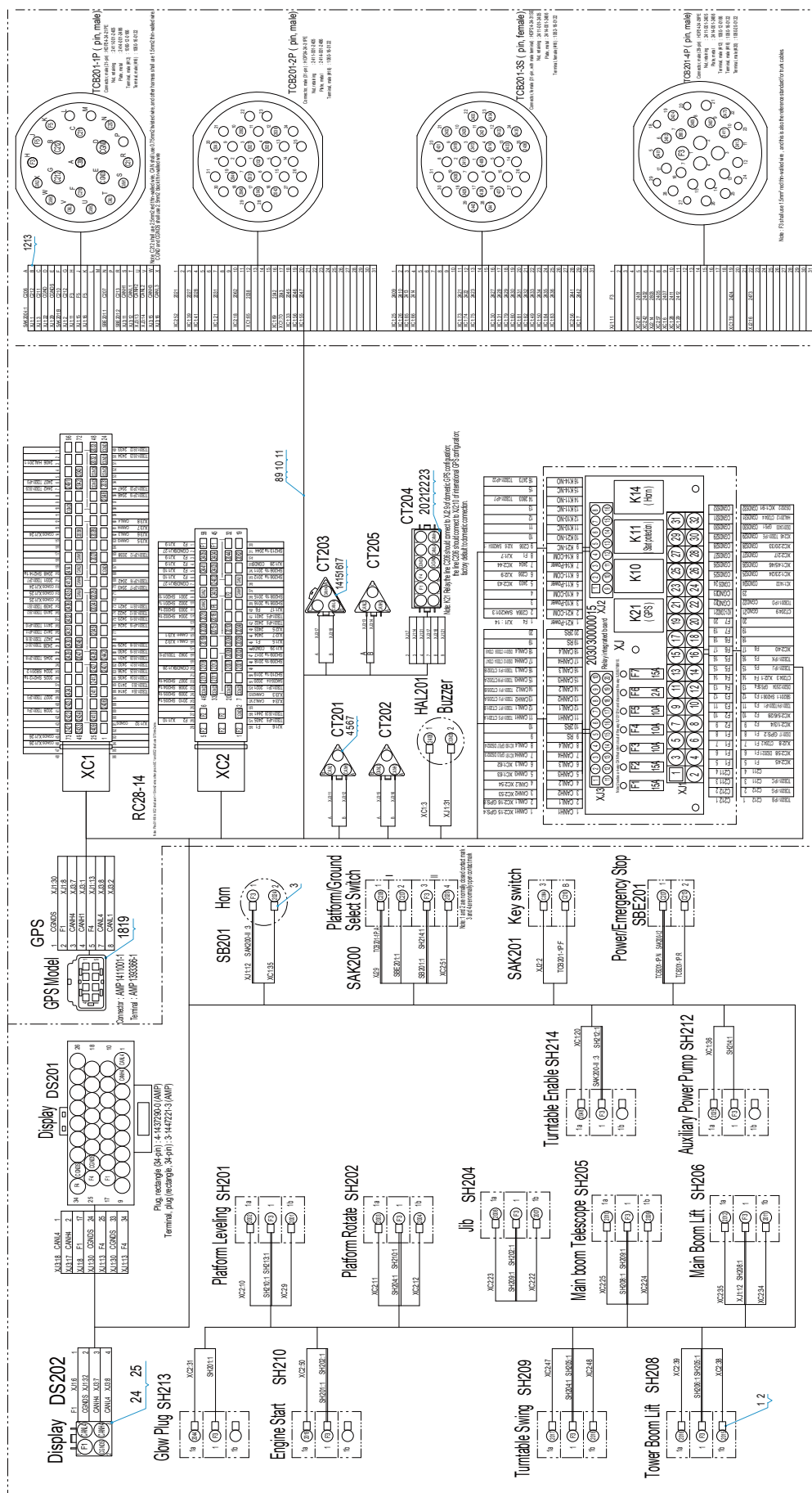
No.	Part No.	Qty.	Description
1	203050003021	1	Buzzer
2	203080000518	1	21-pin male terminal sheath
3	203060000098	4	Metal spring plate
4	203060000101	4	Retaining nut
5	203060000103	5	#12 male connector
6	203080000033	39	Male connector
7	203080000068	44	Blind plug
8	104030060001	1	Turntable controller
9	203080000523	1	31-pin male connector sheath
10	203080000516	1	31-pin female connector sheath
11	203080000041	24	Female connector
12	203200003019	1	Display screen
13	114005063022	1	Folded plate, display screen
14	215020000109	4	Screw M5×10-A2-70 GB/T 818
15	215040000003	9	Washer 5-A2-70 GB/T 93
16	215040000032	9	Washer 5-A2 GB/T 97.1
17	203080003147	1	Connector assembly, SECD-710A
18	203060000114	1	Key switch
19	203060000020	1	Button
20	203060000021	4	Toggle switch
21	203080000109	11	Nut
22	203080000101	11	Waterproof cap
23	203060000150	1	Toggle switch guard
24	203060000003	7	Toggle switch
25	203060000029	1	Selector switch
26	203060000142	1	Switch, emergency stop
27	105045060004	1	Controller plug
28	203020000038	1	Controller
29	215040000033	4	Washer 6-A2 GB/T 97.1
30	215040000004	4	Washer 6-A2-70 GB/T 93
31	215020000118	4	Screw M6×25-A2-70 GB/T 818
32	203030000015	1	Relay integration board
33	215020000110	5	Screw M5×12-A2-70 GB/T 818
34	203080000378	1	Connector, controller
35	203080003730	1	29-pin male terminal sheath
36	104020060001	1	Turntable controller face mask(Not shown)
37	104030060010	1	Turntable controller wiring diagram(Not shown)
38	104021063057	1	Turntable controller PC mask(Not shown)

7.1.3 TURNTABLE CONTROLLER (PN.104030060001)



No.	Part No.	Qty.	Description
1	104020060017	1	Turntable controller panel assembly
2	104029060003	1	Turntable controller base assembly
3	203060000025	2	Latch
4	215020000100	12	Screw M3×10-A2-70 GB/T 818
5	215040000001	12	Washer 3-A2-70 GB/T 93
6	215030000001	12	Nut M3-A2-70 GB/T 6170
7	209050000022	2	Hinge
8	215040000003	8	Washer 5-A2-70 GB/T 93
9	215040000032	8	Washer 5-A2 GB/T 97.1
10	215030000003	8	Nut M5-A2-70 GB/T 6170

7.1.4 TURNTABLE CONTROLLER WIRING DIAGRAM (PN.104030060010)

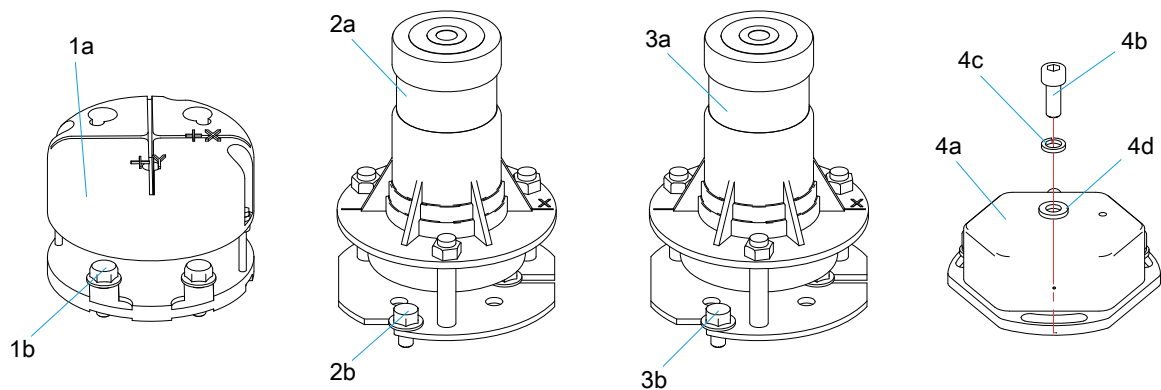


No.	Part No.	Qty.	Description
	104030060010	1	Turntable controller wiring diagram
1	203080000036	29	Cold-pressed terminal
2	203080000022	1	Heat shrink tube
3	203080000023	6	Ring tongue terminal
4	203080000041	2	Female connector
5	203080000068	2	Blind plug
6	203080000032	1	Lock
7	203080000404	1	Sheath
8	203080000564	15	Thin-wall wire
9	203080000562	5	Thin-wall wire
10	203080000563	7	Thin-wall wire
11	216020000020	30	Cable tie, nylon
12	203080000047	1	Cable
13	203080000196	1	Cable
14	203080000405	1	Sheath
15	203080000046	1	Lock
16	203080000033	2	Male connector
17	203080000086	1	Connector
18	203080003216	1	Sheath
19	203080003218	7	AMP terminal
20	203080003532	1	Sheath
21	203080003533	1	Lock
22	203060000085	6	#20 female terminal
23	203080000085	6	Blind plug
24	203080000044	1	Sheath
25	203080000020	1	Lock

7.1.5 PRESSURE SENSOR OPTIONS

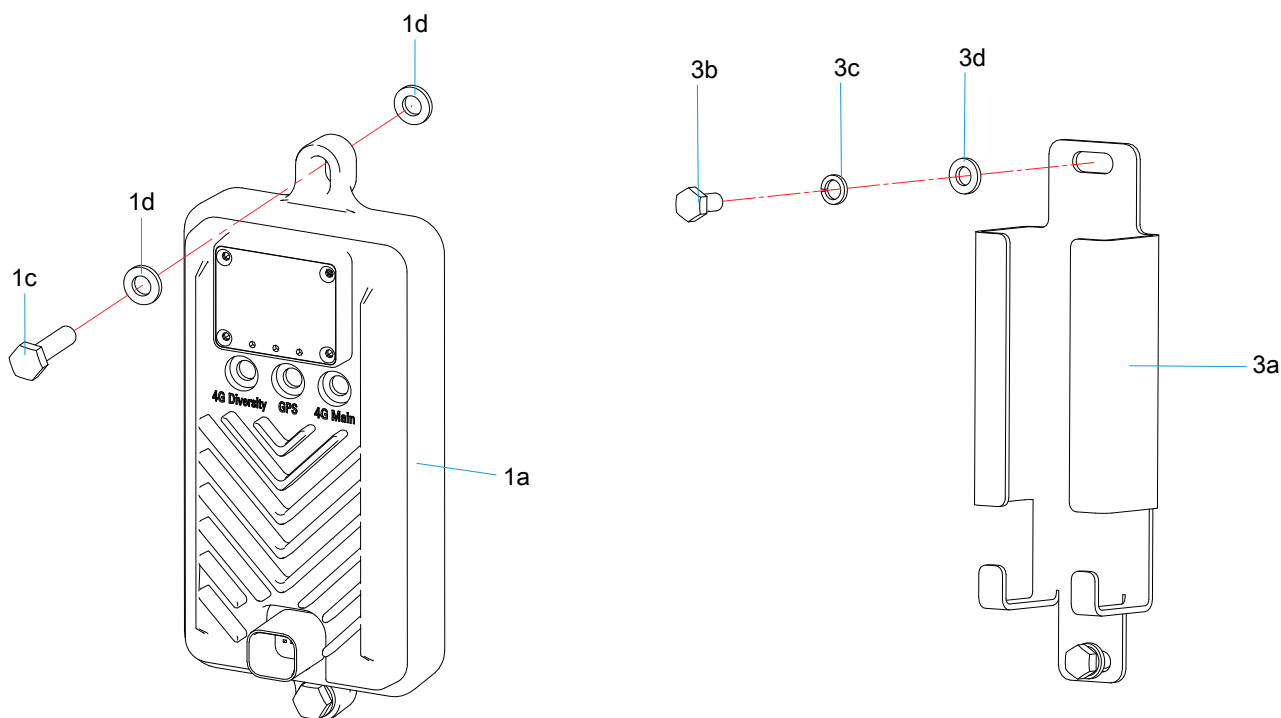
No.	Part No.	Qty.	Description
	114007063026		Pressure sensor option
1	203150003078	1	Pressure sensor(SC : 1000232)
2	203150000055	1	Sensor, pressure (SC : 1000276)
3	203150003087	1	Pressure sensor(SC : 1001007)

7.1.6 LEVEL SENSOR OPTIONS



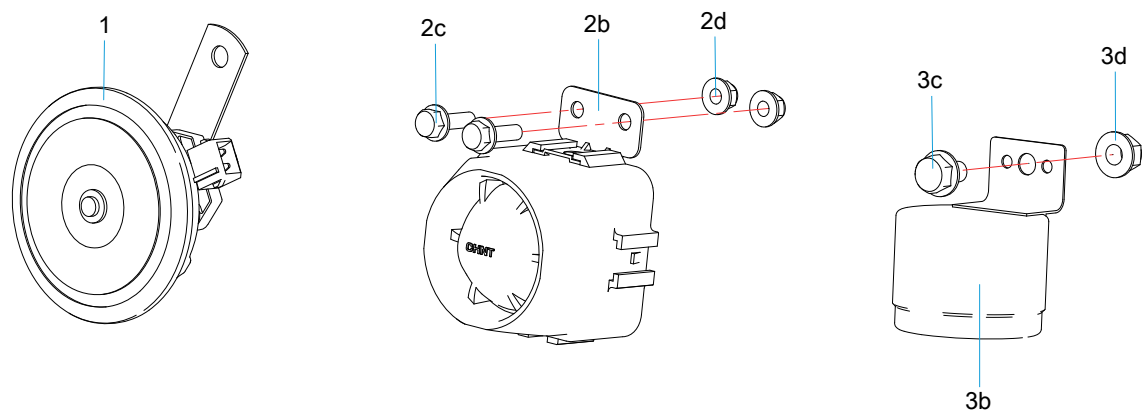
No.	Part No.	Qty.	Description
1	114015063090		Level switch installation
1a	203060000111	1	Level switch(CE)
1b	215010000230	3	Bolt M6×16-8.8-ZnD GB/T 5789
2	114015063091		Level switch installation
2a	203150000039	1	Level switch(CE, UL)
2b	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
3	114015063093		Level switch installation
3a	203150003000	1	Level switch(CE)
3b	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
4	114015063095		Level sensor installation
4a	203990003045	1	Angle sensor(CE)
4b	215020000011	3	Screw M6×16-A2-70 GB/T 70.1
4c	215040000004	3	Washer 6-A2-70 GB/T 93
4d	215040000033	3	Washer 6-A2 GB/T 97.1

7.1.7 GPS INSTALLATION OPTIONS



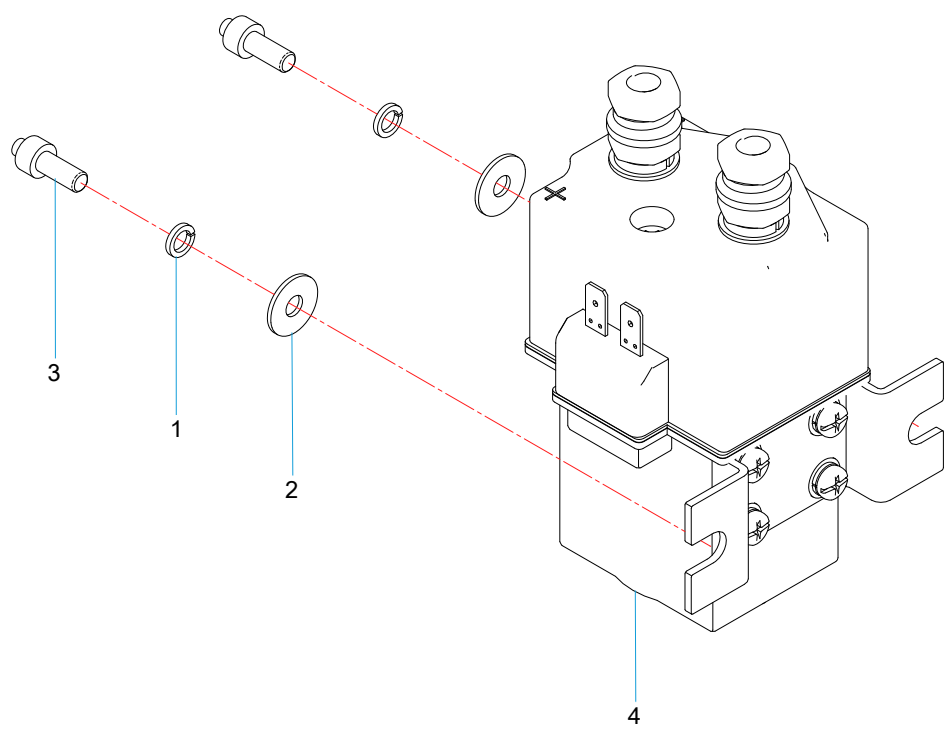
No.	Part No.	Qty.	Description
1	103006063019		GPS installation(SC : 1000577, for Rootcloud GPS)
1a	203150003021	1	GPS module
1b	203150003022	1	GPS/LTE antenna(Not shown)
1c	215010003054	2	M6×25-4.8-PA66 GB/T 5783
1d	215040003034	4	Washer M6
2	105055063004		GPS installation(For Hornet GPS)
2a	105055063003	1	Cable, adapter (Huatie)(Not shown)
2b	203990003077	1	Hornet T-BOX(Not shown)
3	103010063095		INST, GPS (Trackunit)
3a	105071020002	1	Plate
3b	215010000049	2	Bolt M6×12-A2-70 GB/T 5783
3c	215040000004	2	Washer 6-A2-70 GB/T 93
3d	215040000033	2	Washer 6-A2 GB/T 97.1

7.1.8 HORN OPTIONS



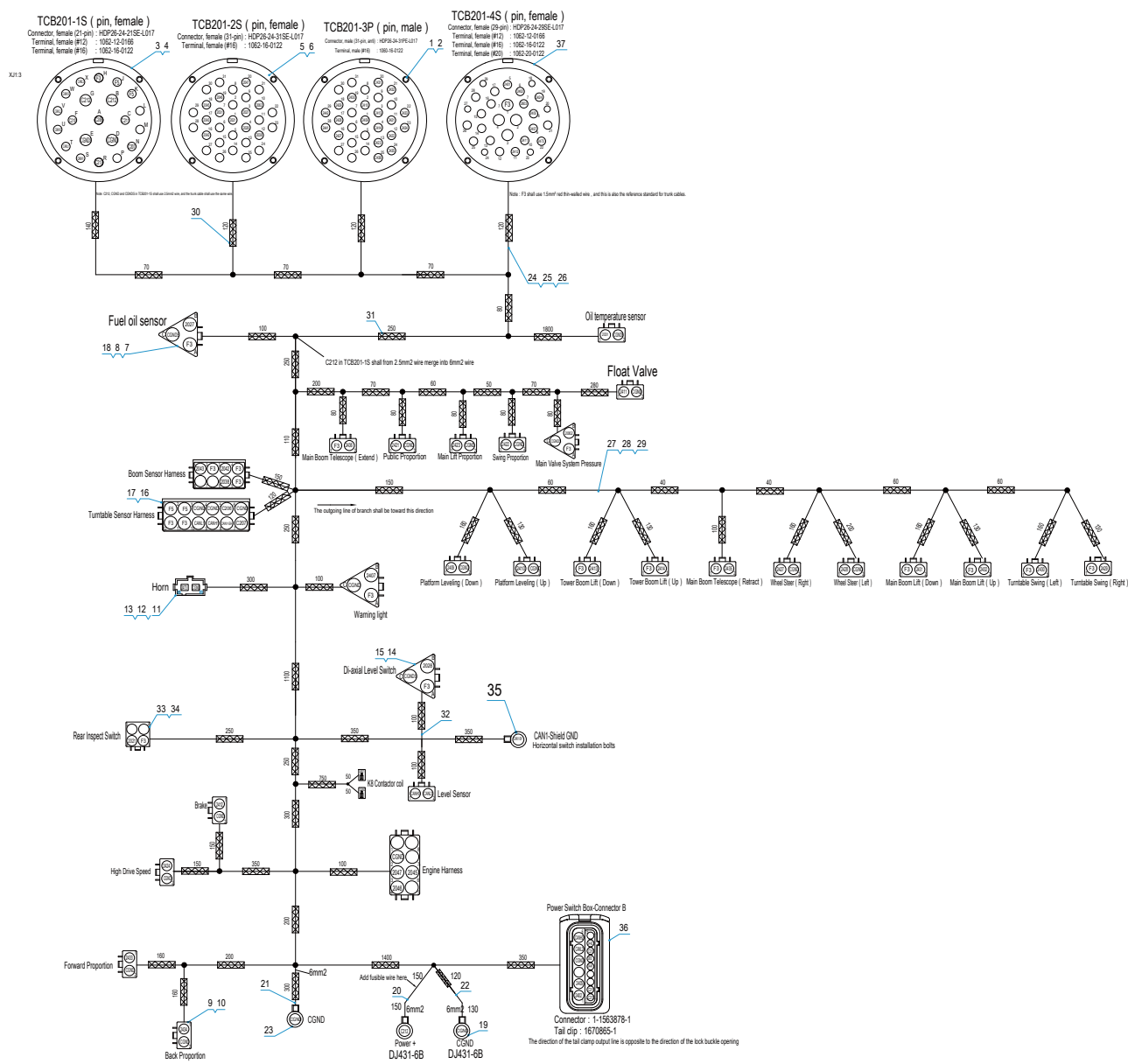
No.	Part No.	Qty.	Description
1	203050000034	1	Horn(Standard configuration)
2	114006063072		White noise horn installation(Australian specs)
2a	104019063047	1	Cable, adapter (warning light)(Not shown)
2b	203050003070	1	White noise horn
2c	215010000231	2	Bolt M6×20-8.8-ZnD GB/T 5789
2d	215030000107	2	Nut M6-8-ZnD GB/T 6183.1
3	103009063115		INST, buzzer(Thailand specs)
3a	104019063067	1	Cable, adapter (warning light)(Not shown)
3b	203050000002	1	Reverse buzzer
3c	215010000233	1	Bolt M8×12-8.8-ZnD GB/T 5789
3d	215030000108	1	Nut M8-8-ZnD GB/T 6183.1

7.1.9 CONTACTOR INSTALLATION



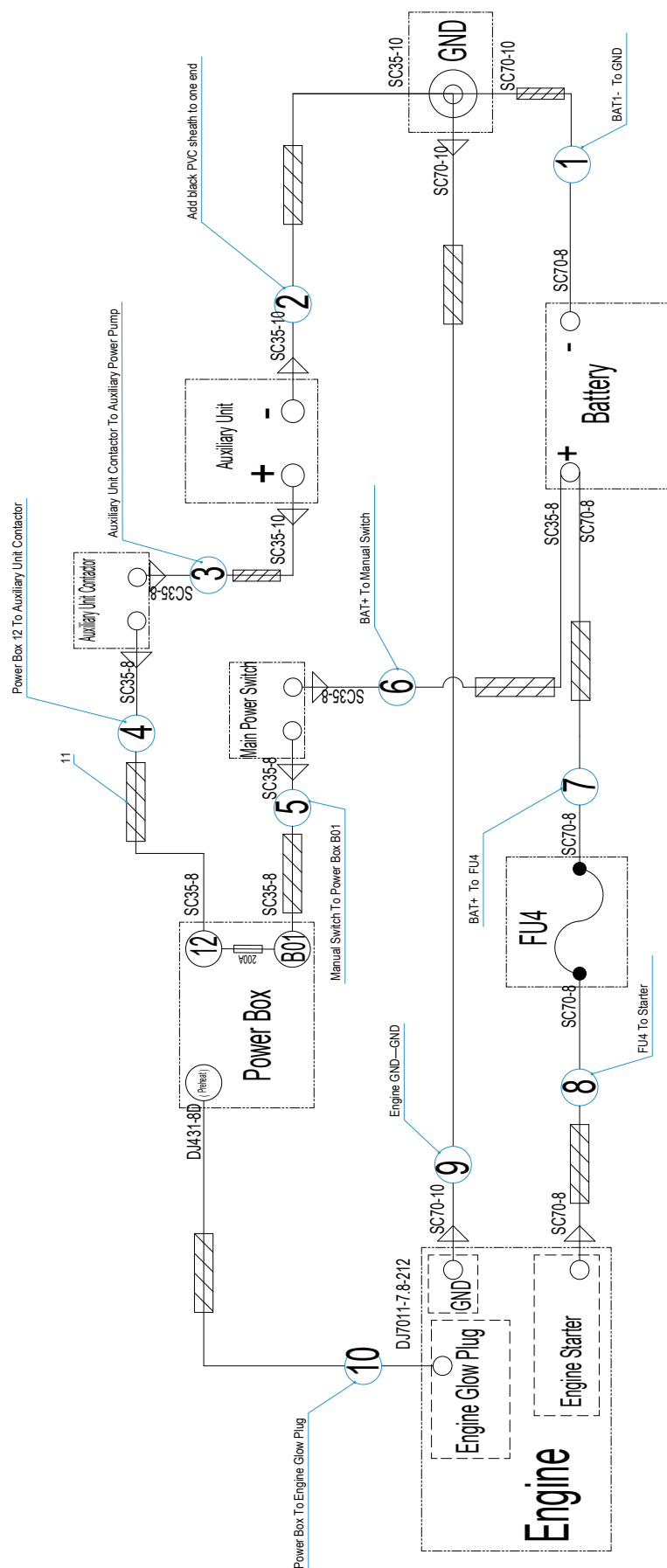
No.	Part No.	Qty.	Description
1	215040000003	2	Washer 5-A2-70 GB/T 93
2	215040000132	2	Washer 5-200HV-A2 GT/B 96.1
3	215020000006	2	Screw M5×12-A2-70 GB/T 70.1
4	203040003002	1	Contactor

7.1.10 TURNTABLE HARNESS (PN.104030060009)



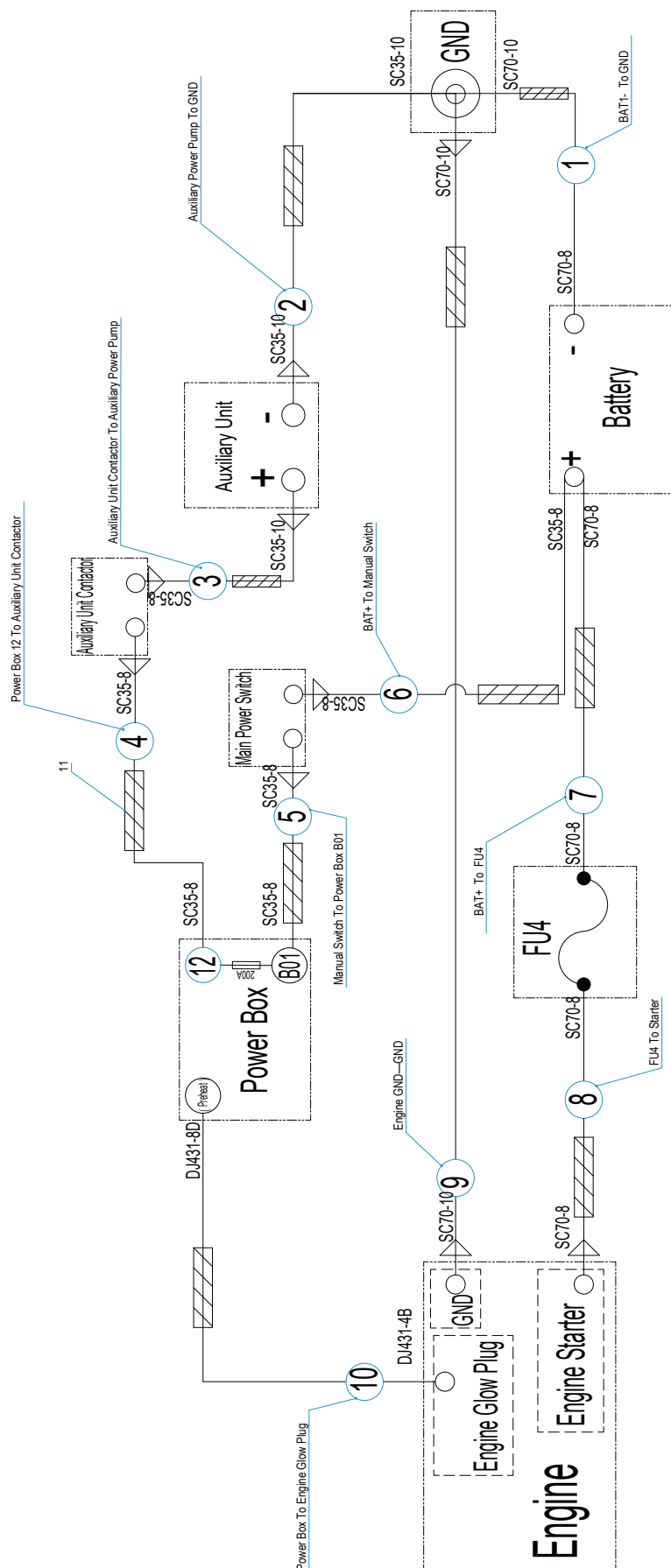
No.	Part No.	Qty.	Description
	104030060009	1	Harness, turntable
1	203080000515	1	31-pin male sheath
2	203080000033	1	Male connector
3	203080000517	1	21-pin female terminal sheath
4	203060000097	4	#12 female terminal
5	203080000520	1	31-pin female terminal sheath
6	203080000041	1	Female connector
7	203080000406	1	Sheath
8	203080000112	1	Lock
9	203080000410	1	Sheath
10	203080000016	23	Lock
11	203080000427	1	Sheath
12	203080000428	1	Female pin
13	203080000429	1	Waterproof cap
14	203080000404	1	Sheath
15	203080000032	1	Lock
16	203080000414	1	Sheath
17	203080000159	1	Lock
18	203080000068	1	Blind plug
19	203080000133	1	Terminal, blade-hole type
20	203080000161	1	Cable
21	203080000030	1	Heat shrink tube
22	203080000191	1	Cable
23	203080000244	1	Terminal,round top insulated
24	203080000564	1	Thin-wall wire
25	203080000563	1	Thin-wall wire
26	203080000562	1	Thin-wall wire
27	203080003289	6	Corrugated pipe
28	203080003288	4	Corrugated pipe
29	203080000037	1	Corrugated pipe
30	203080003286	1	Corrugated pipe
31	203080000135	1	Corrugated pipe (Black)
32	203080000508	1	End clip
33	203080000044	1	Sheath
34	203080000020	2	Lock
35	203080000408	1	Sheath
36	203080003846	1	Connector
37	203080003731	1	29-pin female terminal sheath

7.1.11 ELECTRICAL POWER WIRING LAYOUT (PN.104030060011)



No.	Part No.	Qty.	Description
	104030060011	1	Power harness wiring diagram
1	203230000535	1	Power line
2	203230003352	1	Power line
3	203230000610	1	Power line
4	203230003364	1	Power line
5	203230000569	1	Power line
6	203230000568	1	Power line
7	203230000962	1	Power line
8	203230000560	1	Power line
9	203230000523	1	Power line
10	203230003354	1	Power line
11	203080000004	10	PVC sheath
12	203080000422	16	Nylon hose, closed-end

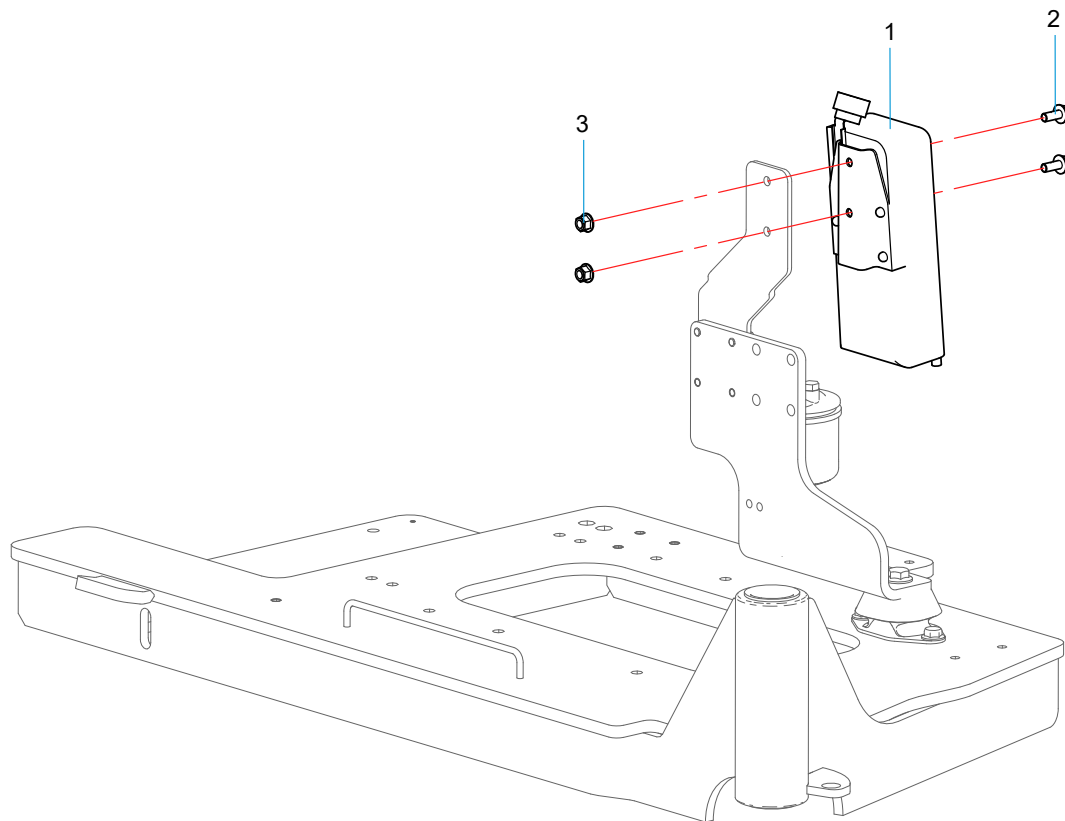
7.1.12 ELECTRICAL POWER WIRING LAYOUT (PN.104030060028)



No.	Part No.	Qty.	Description
	104030060028	1	ELEC wiring DIAG, power harness
1	203230000535	1	Power line
2	203230003352	1	Power line
3	203230000610	1	Power line
4	203230003364	1	Power line
5	203230000569	1	Power line
6	203230000568	1	Power line
7	203230000962	1	Power line
8	203230000560	1	Power line
9	203230000523	1	Power line
10	203080004038	1	Power line
11	203080000004	10	PVC sheath
12	203080000422	16	Nylon hose, closed-end

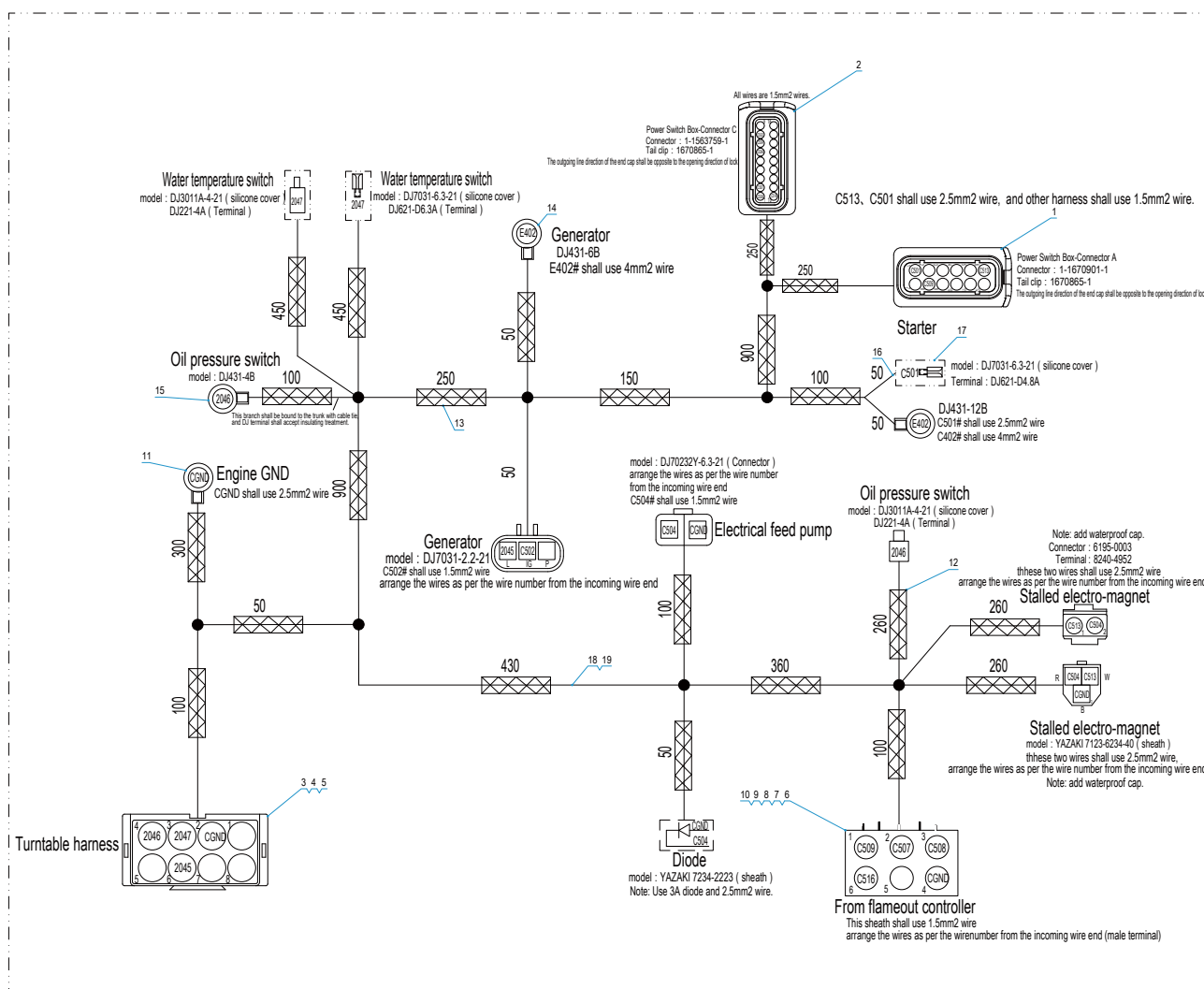
7.2 ENGINE ELECTRICAL SYSTEM

7.2.1 ENGINE ELECTRICAL COMPONENTS INSTALLATION



No.	Part No.	Qty.	Description
1	203020000004	1	Start/stop controller
2	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
3	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
4	216020000019	1	Wire rope clamp(Not shown)
5	104030060024	1	Harness, engine (Yanmar EU V, 18.4kW)(Not shown, see details)

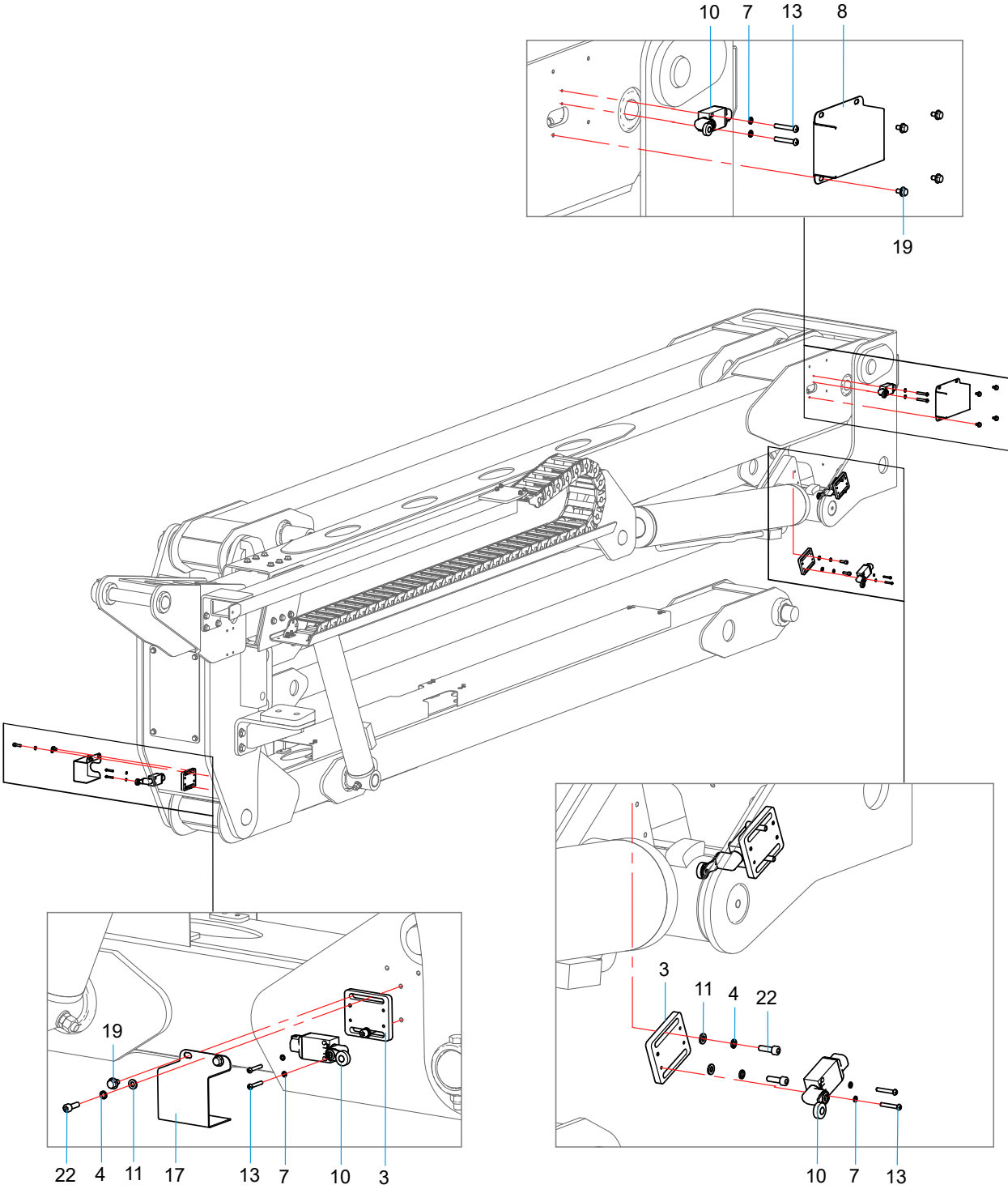
7.2.2 ENGINE HARNESS (PN.104030060024)

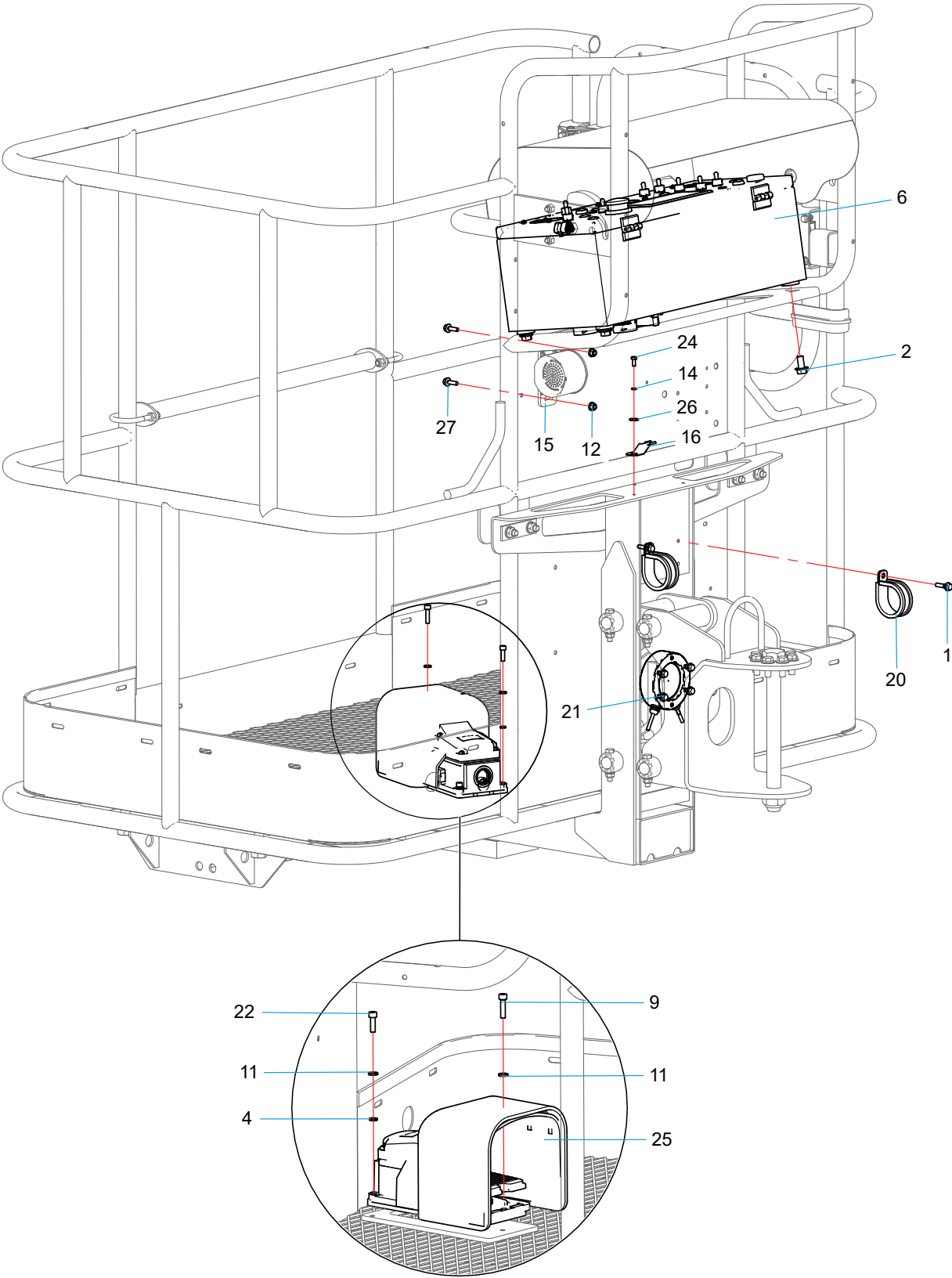


No.	Part No.	Qty.	Description
	104030060024	1	Harness, engine (Yanmar EU V, 18.4kW)
1	203080003773	1	Connector
2	203080003845	1	Connector
3	203080000413	1	Sheath
4	203080000126	1	Lock
5	203080000033	14	Male connector
6	203080000210	1	Sheath
7	203080000215	1	Lock
8	203080000213	5	Terminal
9	203080000214	1	Seal ring
10	203080000211	1	Plug
11	203080000124	1	Terminal, blade-hole type
12	203080000006	2	Corrugated pipe
13	203080000037	1	Corrugated pipe
14	203080000133	1	Terminal, blade-hole type
15	203080000039	2	Ring tongue terminal
16	203080000372	4	Cable
17	203080000190	1	Terminal
18	203080000375	10	Cable
19	203080000370	5	Cable
20	203080000197	1	Terminal
21	203080003220	2	Terminal
22	203080000376	1	Sheath
23	203080003033	1	Sheath

7.3 BOOM ELECTRICAL SYSTEM

7.3.1 BOOM ELECTRICAL COMPONENTS INSTALLATION





No.	Part No.	Qty.	Description
1	215010000232	2	Bolt M6×25-8.8-ZnD GB/T 5789
2	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
3	104009060027	3	Plate
4	215040000004	9	Washer 6-A2-70 GB/T 93
5	114019060031	1	Harness, platform(Not shown, see details)
7	215040000002	8	Washer 4-A2-70 GB/T 93
8	104011060052	1	Limit Switch Cover
9	215020000013	1	Screw M6×25-A2-70 GB/T 70.1
11	215040000033	9	Washer 6-A2 GB/T 97.1
12	215030000107	2	Nut M6-8-ZnD GB/T 6183.1
13	215020000108	8	Screw M4×25-A2-70 GB/T 818
14	215040000003	1	Washer 5-A2-70 GB/T 93
16	203080000525	1	Metal mounting clamp
17	104009060078	1	Cover
18	104030060014	1	Cables DIAG, drag chain(Not shown, see details)
19	215010000229	6	Bolt M6×10-8.8-ZnD GB/T 5789
20	216020000025	2	Retaining ring
21	103006060034	1	Load sensor options(See details)
22	215020000012	8	Screw M6×20-A2-70 GB/T 70.1
23	104030060012	1	Harness, platform(Not shown, see details)
24	215010000041	1	Bolt M5×12-A2-70 GB/T 5783
25	114015063052		Foot switch options(See details)
26	215040000132	1	Washer 5-200HV-A2 GT/B 96.1
27	215010000231	2	Bolt M6×20-8.8-ZnD GB/T 5789
6	104030060016	1	ASSY, control box (platform)(See details)
10	203060000146	4	Limit switch
15	203050003040	1	Voice horn

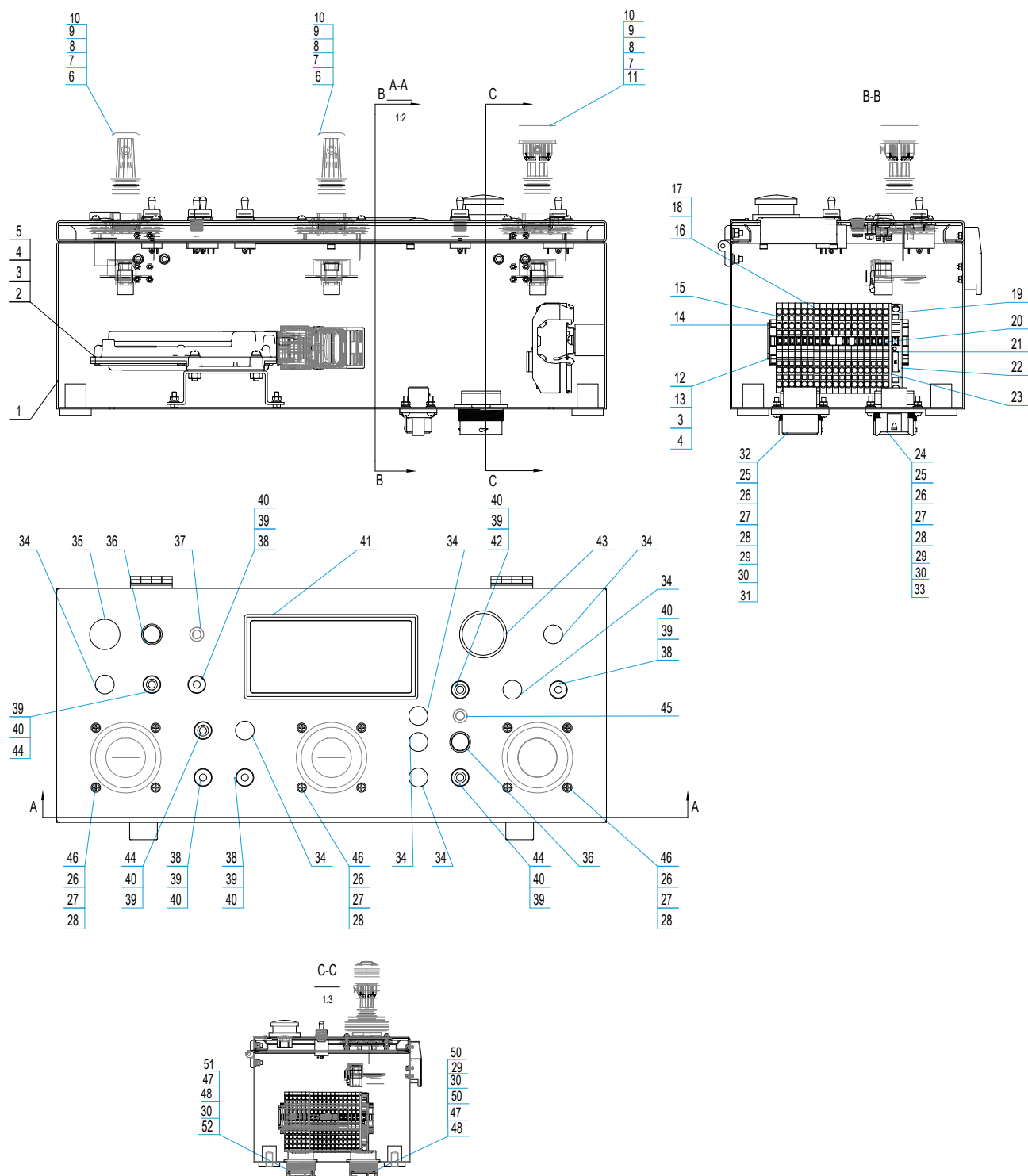
7.3.2 LOAD SENSOR OPTIONS

No.	Part No.	Qty.	Description
1	215010000232	4	Bolt M6×25-8.8-ZnD GB/T 5789
2-1	203150003038	1	Load sensor(Dual channel, SC : 1000805)
2-2	203150000069	1	Load sensor(Single channel, SC : 1000232)
2-3	203150000070	1	Load sensor(Dual channel, SC : 1000232)
2-4	203150003039	1	Load sensor(Single channel, SC : 1000805)
2-5	203150003041	1	Load sensor(Single channel, SC : 1000086)

7.3.3 FOOT SWITCH OPTIONS

No.	Part No.	Qty.	Description
	114015063052		Foot switch options
1	203060003146	1	Foot Switch(1000077)
2	203060000009	1	Heavy-duty foot switch(1000094)

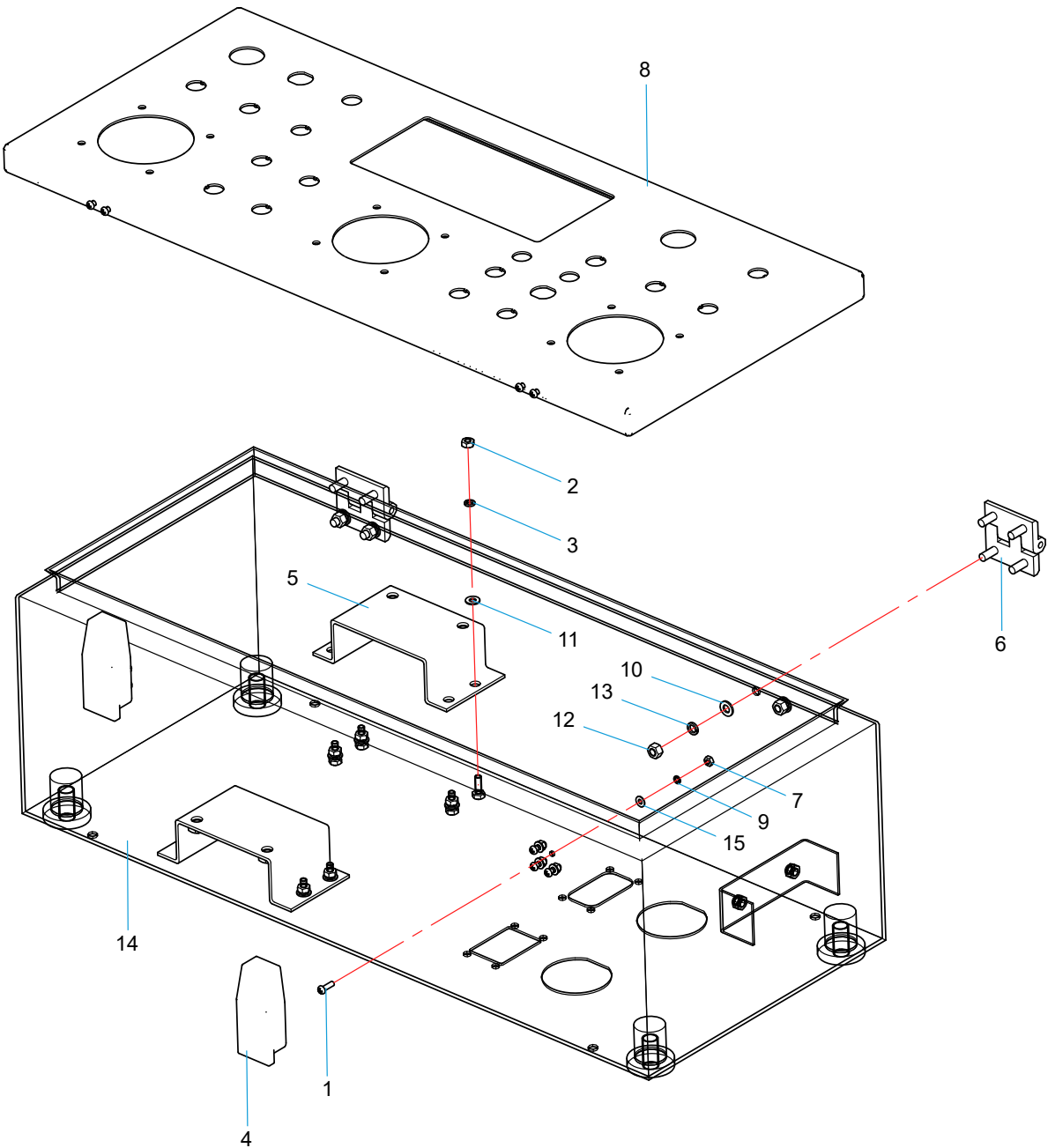
7.3.4 PLATFORM CONTROLLER ASSEMBLY (PN.104030060016)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	203020000038	1	Controller
3	215040000003	6	Washer 5-A2-70 GB/T 93
4	215040000032	6	Washer 5-A2 GB/T 97.1
5	215020000113	4	Screw M5×25-A2-70 GB/T 818
6	203060003084	2	Dual-axis, ball-headed joystick
7	203060000014	3	Handle connector
8	203080000019	3	6-pin socket lock
9	203080000099	11	Terminal
10	203080000085	7	Blind plug
11	203060003081	1	Single-axis joystick
12	203990000001	1	Guide rail
13	215020000109	2	Screw M5×10-A2-70 GB/T 818
14	203080003053	2	Terminal block
15	203080003054	6	Protective ground terminal
16	203080003051	12	Common terminal
17	203080003056	1	Terminal label 1-10
18	203080003055	1	Terminal label 11-20
19	203080003057	1	Fuse terminal
20	203080003058	3	Jumper
21	203070000053	1	Plug-in fuse
22	203080003059	1	End plate
23	203080003052	1	End plate
24	203060000088	1	8-pin male connector sheath, with flange
25	215020000106	8	Screw M4×16-A2-70 GB/T 818
26	215040000002	20	Washer 4-A2-70 GB/T 93
27	215040000031	32	Washer 4-A2 GB/T 97.1
28	215030000002	20	Nut M4-8-A2-70 GB/T 6170
29	203080000033	21	Male connector
30	203080000068	51	Blind plug
31	203080000157	1	Lock
32	203060000090	1	12-pin male connector sheath, with flange
33	203080000126	1	Lock
34	105045060004	7	Controller plug
35	203050003021	1	Buzzer
36	203060000020	2	Button
37	203050003014	1	Indicator light
38	203060000003	4	Toggle switch
39	203080000109	8	Nut

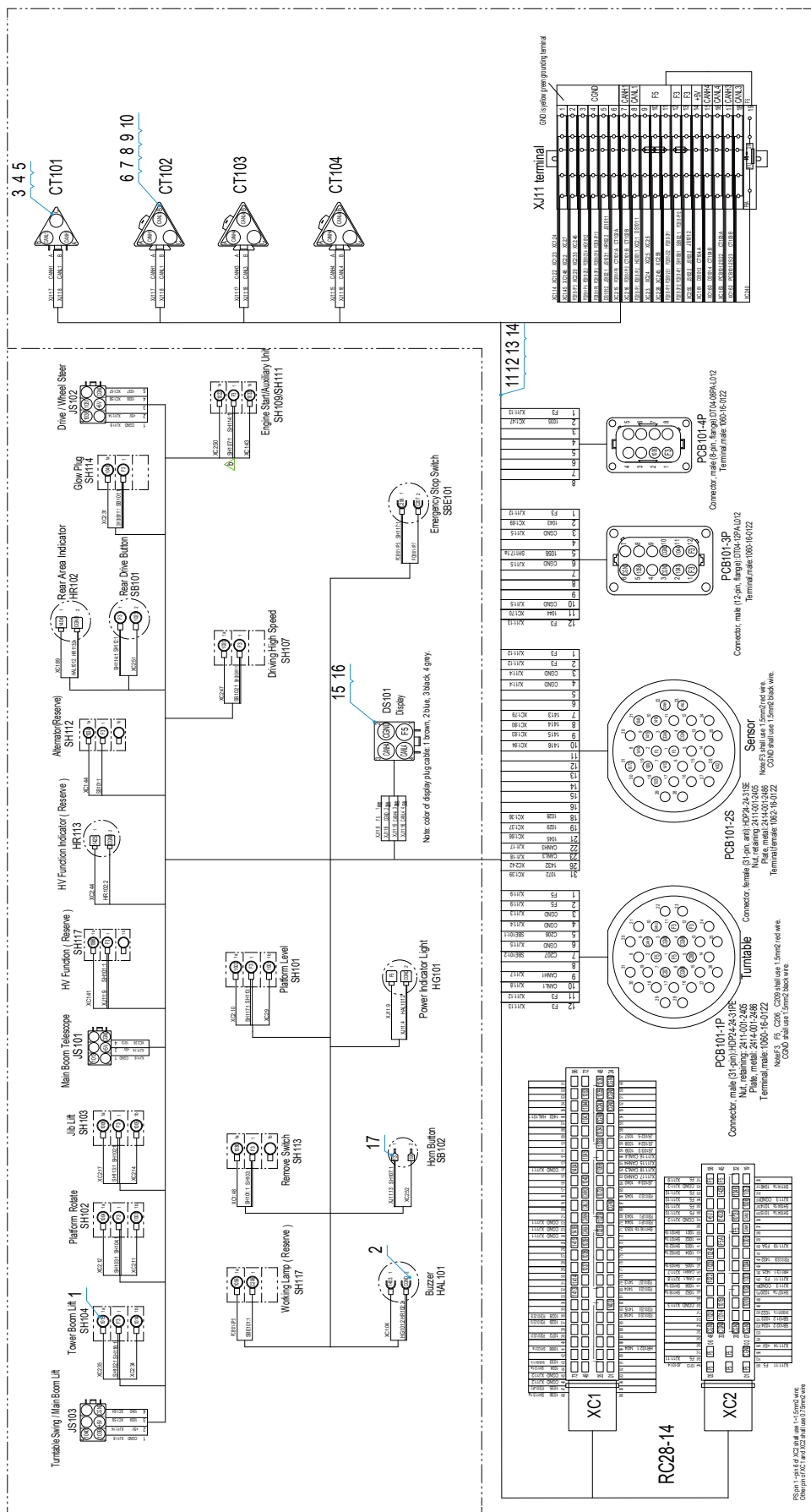
No.	Part No.	Qty.	Description
40	203080000101	8	Waterproof cap
41	203200003002	1	Gauge
42	203060000035	1	Toggle switch
43	203060000142	1	Switch, emergency stop
44	203060000021	3	Toggle switch
45	203050003015	1	Indicator light
46	215020000107	12	Screw M4×20-A2-70 GB/T 818
47	203080000041	10	Female connector
48	203080000523	1	31-pin male connector sheath
49	203080000378	1	Connector, controller
50	203060000098	2	Metal spring plate
51	203060000101	2	Retaining nut
52	203080000516	1	31-pin female connector sheath
53	104030060013	1	Wiring DIAG, control box (platform)(Not shown)
54	105050063020	1	Surface film, control box (platform)(Not shown)
55	105050063021	1	PC film, control box (platform)(Not shown)

7.3.5 PLATFORM CONTROLLER (PN.105050063019)



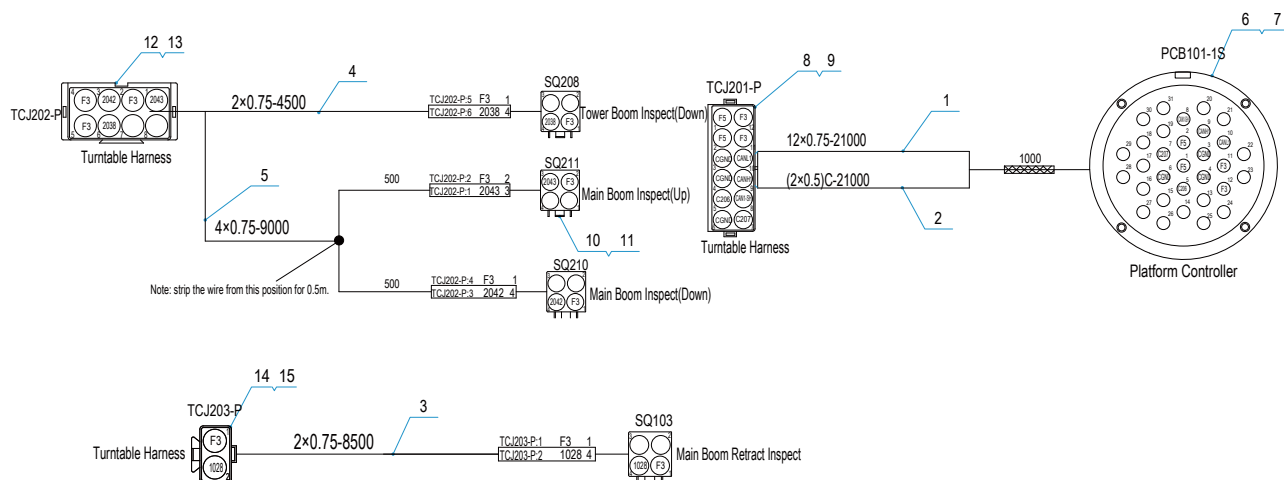
No.	Part No.	Qty.	Description
1	215020000100	12	Screw M3×10-A2-70 GB/T 818
2	215030000002	8	Nut M4-8-A2-70 GB/T 6170
3	215040000002	8	Washer 4-A2-70 GB/T 93
4	203060000025	2	Latch
5	103006060005	2	Holder assembly
6	209050000022	2	Hinge
7	215030000001	12	Nut M3-A2-70 GB/T 6170
8	105050063017	1	Platform controller panel assembly
9	215040000001	12	Washer 3-A2-70 GB/T 93
10	215040000032	8	Washer 5-A2 GB/T 97.1
11	215040000031	8	Washer 4-A2 GB/T 97.1
12	215030000003	8	Nut M5-A2-70 GB/T 6170
13	215040000003	8	Washer 5-A2-70 GB/T 93
14	103006060002	1	ASSY, base (control box, platform)
15	215040000030	12	Washer 3-A2 GB/T 97.1

7.3.6 PLATFORM CONTROLLER WIRING DIAGRAM (PN.104030060013)



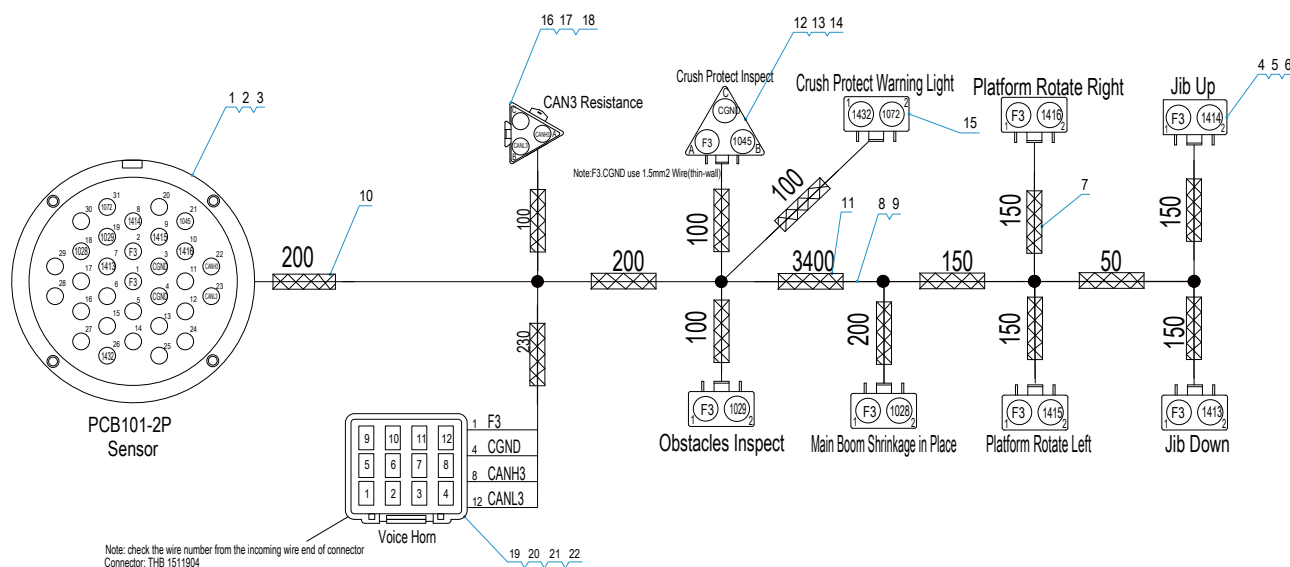
No.	Part No.	Qty.	Description
	104030060013	1	Wiring DIAG, control box (platform)
1	203080000564	15	Thin-wall wire
2	203080000033	14	Male connector
3	203080000133	2	Terminal, blade-hole type
4	203080000023	27	Ring tongue terminal
5	203080000036	16	Cold-pressed terminal
6	203080000404	1	Sheath
7	203080000046	2	Lock
8	203080000032	1	Lock
9	203080000068	3	Blind plug
10	203080000086	2	Connector
11	203080000405	2	Sheath
12	203080000562	5	Thin-wall wire
13	203080000563	7	Thin-wall wire
14	216020000020	30	Cable tie, nylon
15	203080000041	2	Female connector
16	203080000020	1	Lock
17	203080003543	2	Terminal, tubular (pre-insulated)

7.3.7 CABLE TRACK DIAGRAM (PN.104030060014)



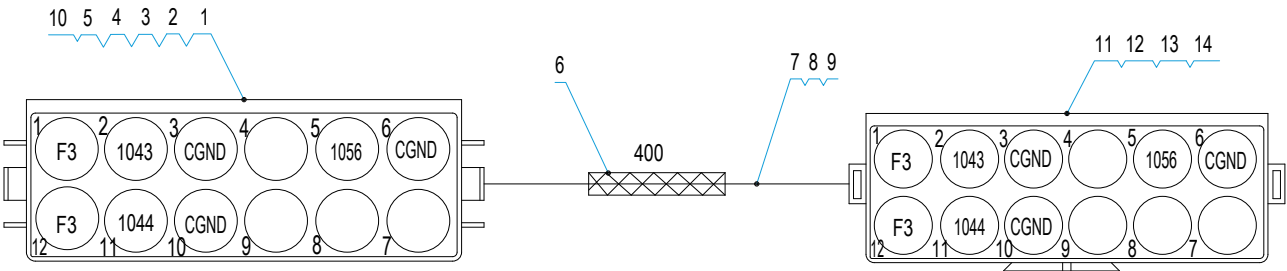
No.	Part No.	Qty.	Description
	104030060014	1	Cables DIAG, drag chain
1	203230000652	1	Drag chain cable
2	203230000653	1	Drag chain cable (CAN Bus)
3	203230003362	1	Drag chain cable
4	203230000638	1	Drag chain cable
5	203230000642	1	Drag chain cable
6	203080000520	1	31-pin female terminal sheath
7	203080000068	28	Blind plug
8	203080000403	1	Sheath
9	203080000157	1	Lock
10	203080000020	4	Lock
11	203080000044	4	Sheath
12	203080000413	1	Sheath
13	203080000126	1	Lock
14	203080000408	1	Sheath
15	203080000021	1	Lock

7.3.8 PLATFORM HARNESS (PN.104030060012)



No.	Part No.	Qty.	Description
	104030060012	1	Harness, platform
1	203080000515	1	31-pin male sheath
2	203080000068	20	Blind plug
3	203080000033	14	Male connector
4	203080000410	6	Sheath
5	203080000016	6	Lock
6	203080000041	15	Female connector
7	203080003290	1	Corrugated pipe
8	203080000564	4	Thin-wall wire
9	203080000562	6	Thin-wall wire
10	203080003285	1	Corrugated pipe
11	203080000037	3	Corrugated pipe
12	203080000404	1	Sheath
13	203080000032	1	Lock
14	203080000473	1	Waterproof cover
15	203080000474	2	Waterproof cover
16	203080000405	1	Sheath
17	203080000046	1	Lock
18	203080000086	1	Connector
19	203080003584	1	Sheath
20	203080003585	4	Terminal
21	203080003586	4	Seal Ring
22	203080003587	8	Blind Plugging

7.3.9 PLATFORM HARNESS (PN.114019060031)



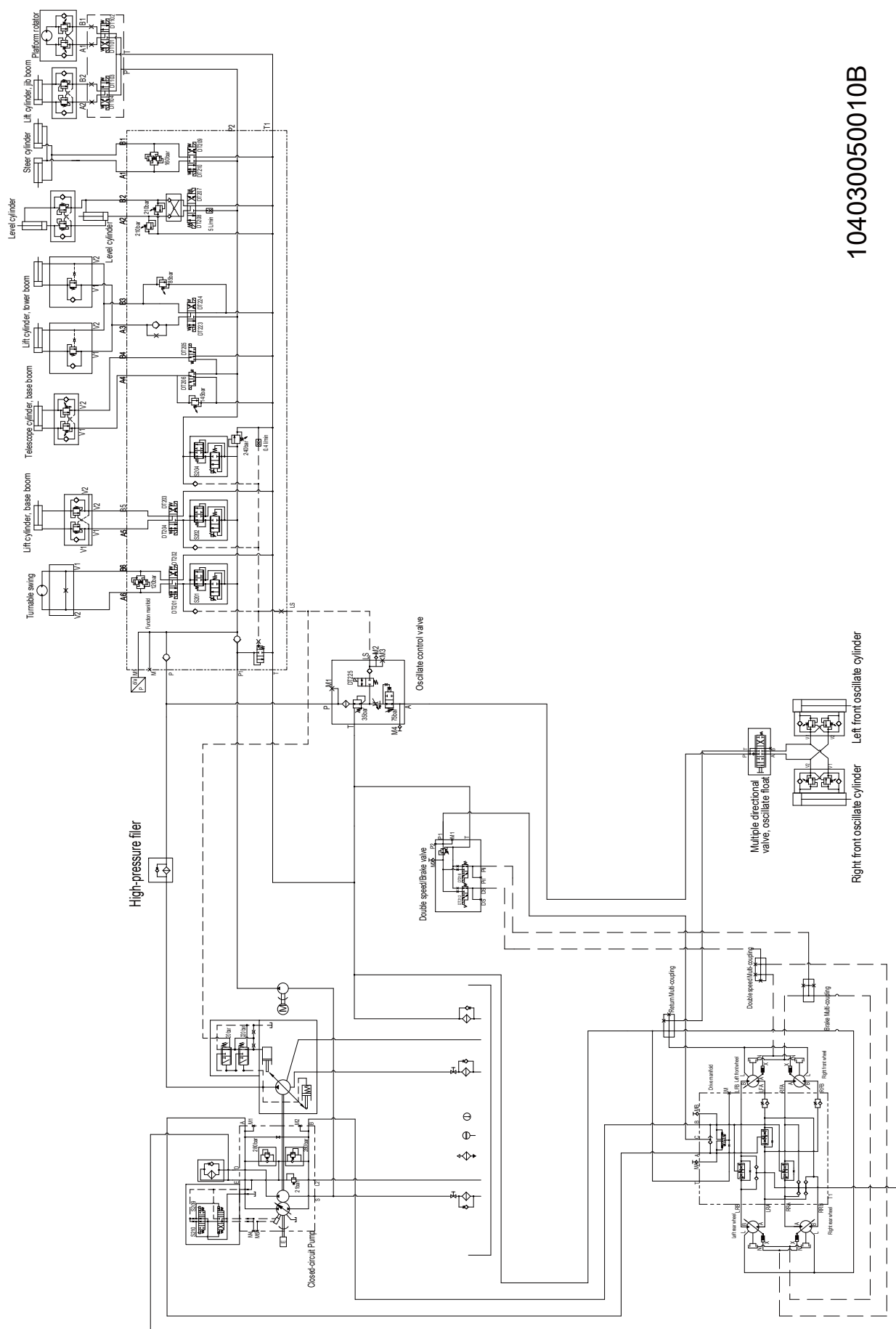
No.	Part No.	Qty.	Description
	114019060031	1	Harness, platform
1	203080000155	1	Connector
2	203080000159	1	Lock
3	203080000041	8	Female connector
4	203080000068	8	Blind plug
5	203080003001	1	End clip
6	203080000037	1	Corrugated pipe
7	203080000562	2	Thin-wall wire
8	203080000563	2	Thin-wall wire
9	203080000564	1	Thin-wall wire
10	203080003010	1	Nut
11	203080000403	1	Sheath
12	203080000157	1	Lock
13	203080000033	8	Male connector
14	203080000459	1	End clip

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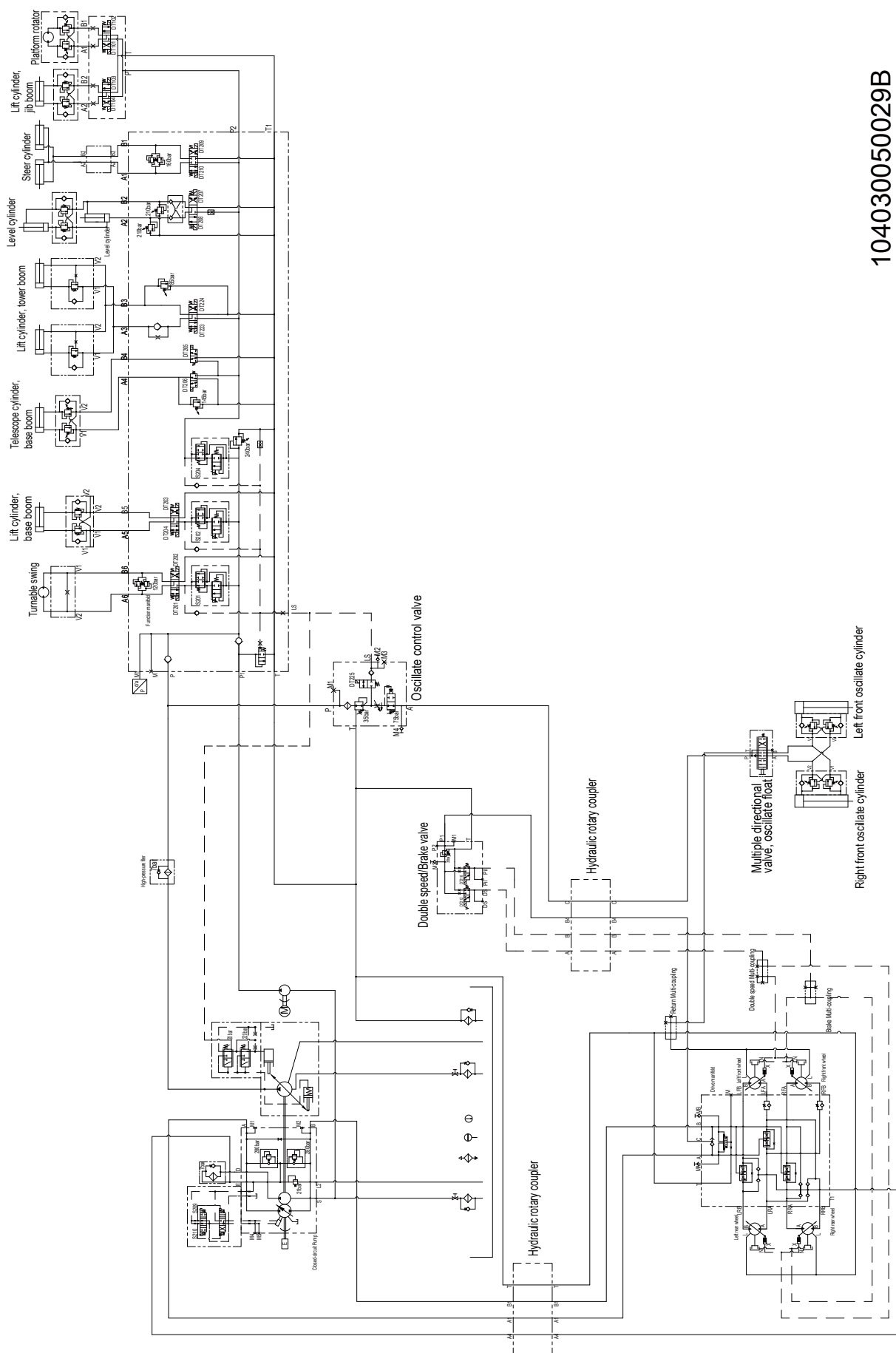
8 SCHEMATIC DIAGRAM

8.1 HYDRAULIC SCHEMATIC DIAGRAM

104030050010B

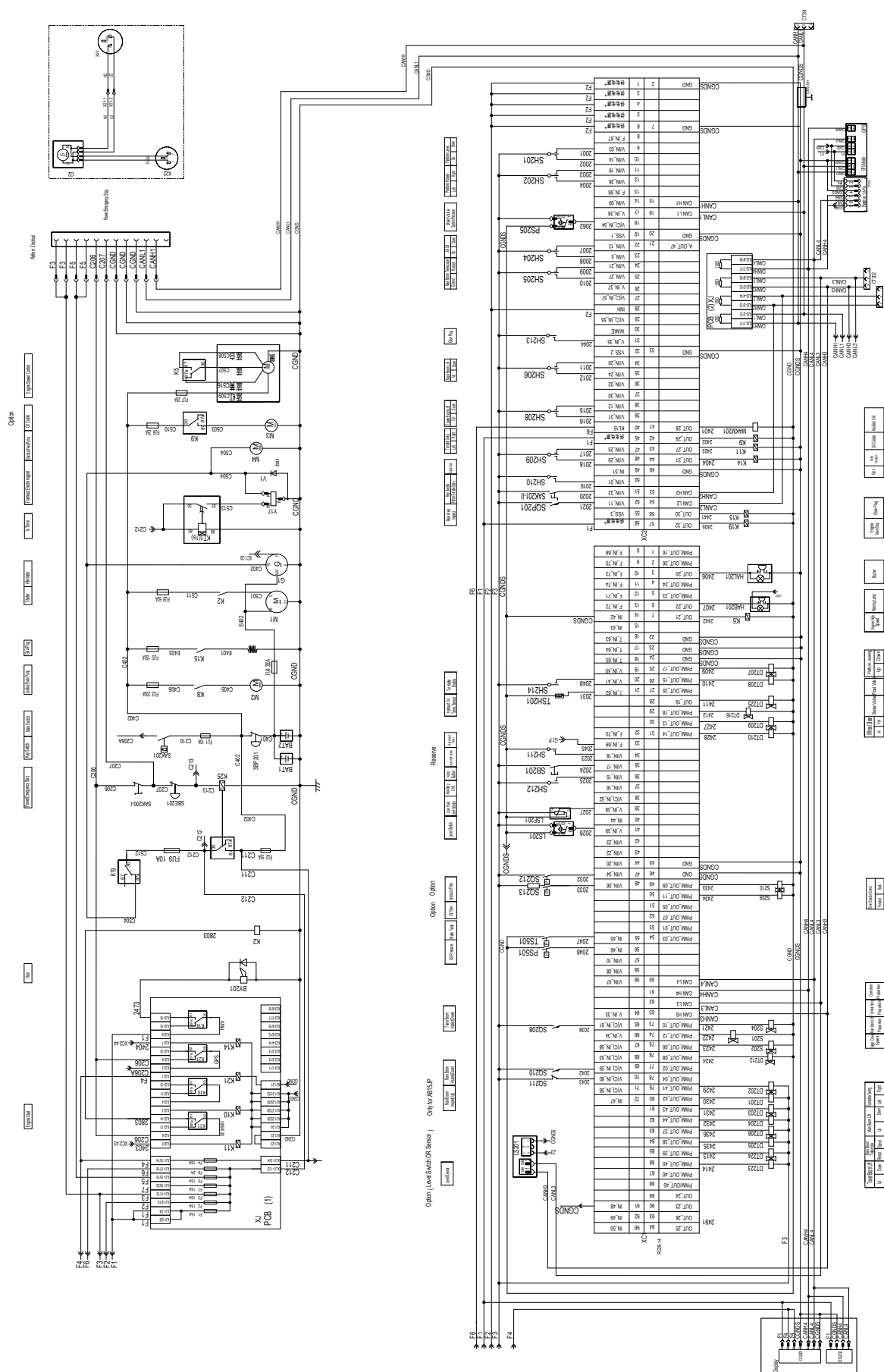


104030050029B



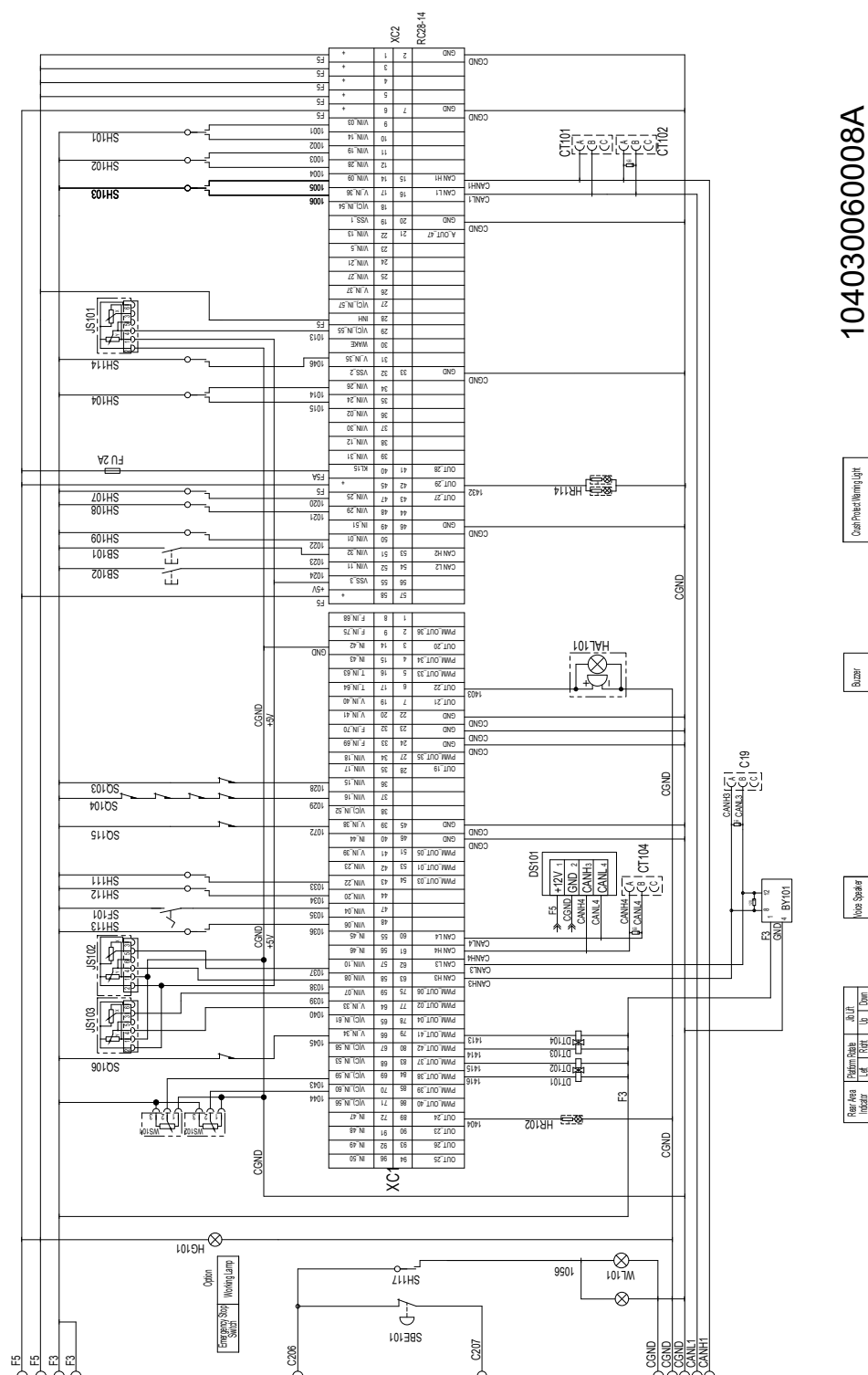
8.2 ELECTRICAL SCHEMATIC DIAGRAM

Electrical Schematic Diagram of Turntable



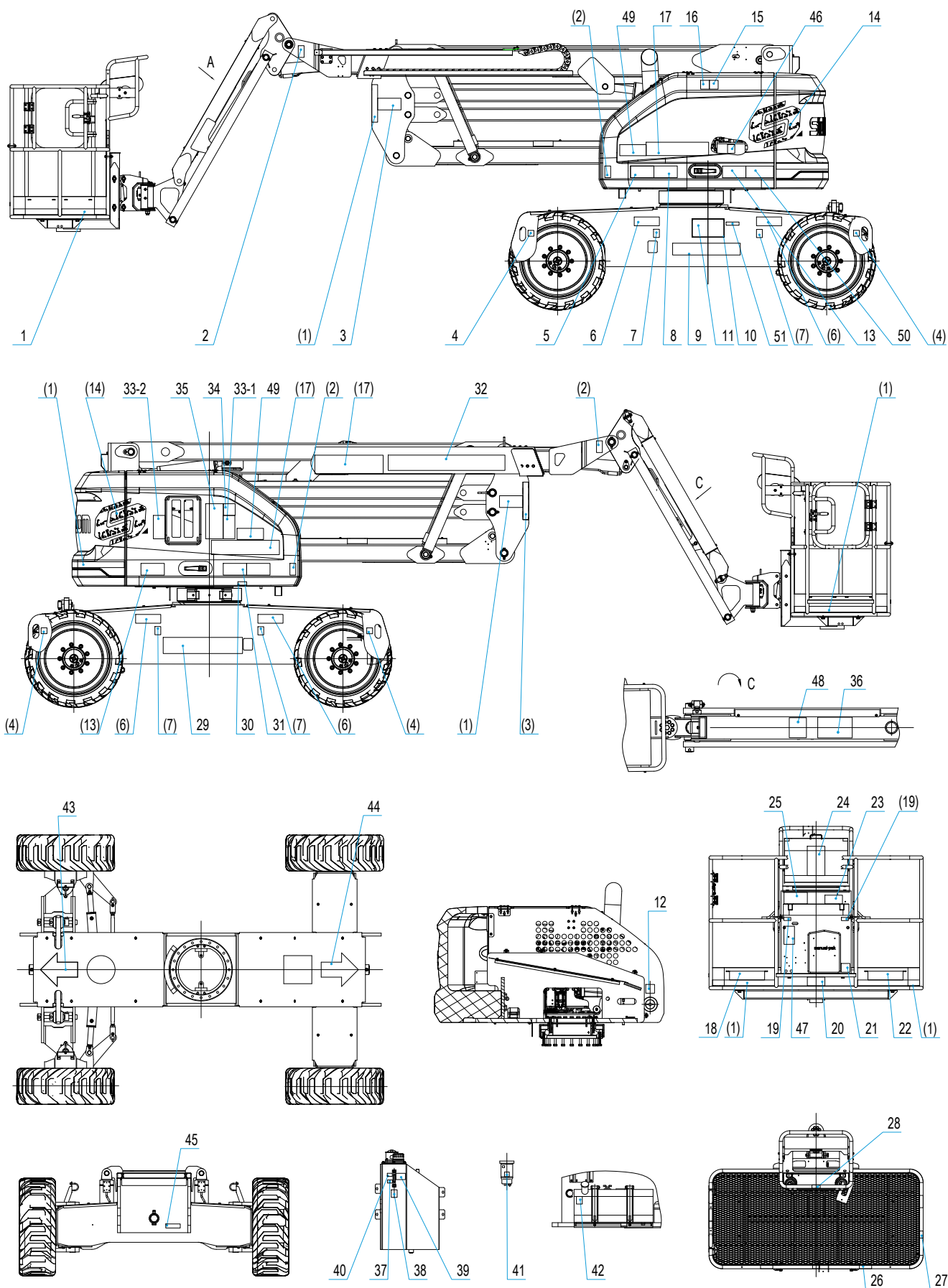
104030060007 , B

104030060008A



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9 DECALS DIAGRAM



No.	GB	CE-Metric	CE-Imperial	AS	EAC	ANSI&CSA	Note	Qty.
	104030100007	104030100008	104030100009	104030100010	104030100019	104030100011	General diagram of decals positions	1
1	216060000002	216060000002	216060000002	216060000002	216060000002	216060000002	Yellow & black hazard warning stripe tape	5
2	103009103009	103009103009	103009103009	103009103009	103009103009	103009103009	Decal-Crushing hazard	4
3	104011100007	104011100007	104011100007	104011100007	104011100007	104011100007	Decal-Tipping hazard	2
4	104011100002	104011100002	104011100002	104011100002	104011100002	104011100002	Decal-Lifting point	4
5	104011100013	104011100013	104011100013	104011100013	104011100013	104011100013	Decal-Electrocution hazard	2
6	104011100001	104011100001	104011100001	104011100001	104011100001	104011100001	Decal-Tipping hazard	4
7	104030100020	104030100020	104030100020	104030100020	104030100020	104030100020	Decal-Load on ground of 4320kg	4
8	104011100005	104011100005	104011100005	104011100005	104011100005	104011100005	Decal-Explosion hazard	1
9	103010103045	103003100009	103003100009	103003100009	103003100009	103003100009	Decal-Contact information	1
10	215050000001	215050000001	215050000001	215050000001	215050000001	215050000001	Blind rivet	4
11	105001100057	103010103024	103010103024	105018100005	104030100018	103004103005	Nameplate	1
12	115008100017	115008100017	115008100017	104024103001	115008100017	115008100017	Decal-Emergency stop button	1
13	104011100006	104011100006	104011100006	104011100006	104011100006	104011100006	Decal-Compartment overhaul	2
14	103008103006	103008103006	103008103006	103008103006	103008103006	103008103006	LOGO-Symbol (small)	2
15	104023103026	104023103026	104023103026	104023103026	104023103026	104023103026	Decal-Noise level of 104dB	1
16	105064103023	105064103023	105064103023	105064103023	105064103023	105064103023	Decal-Burn hazard	1
17	104030100005	104030100005	104030100006	104030100005	104030100005	104030100006	Decal-Trade ID	3
18	103007103002	103007103002	103007103002	103007103002	103007103002	103007103002	Decal-Tipping hazard	1
19	101048100014	103006103014	103006103014	103006103014	103006103014	103006103014	Decal-Anchor point	2

No.	GB	CE-Metric	CE-Imperial	AS	EAC	ANSI&CSA	Note	Qty.
20	104011100019	104011100019	104011100019	104011100019	104011100019	104011100019	Decal-Crushing hazard	1
21	105064103022	105064103022	105064103022	105064103022	105064103022	105064103022	Decal-Foot switch	1
22	104030100015	104030100015	104030100015	104030100015	104030100015	104030100015	Decal-Rated platform capacity of 300kg	1
23	104011100009	104011100009	104011100009	104011100009	104011100009	104011100009	Decal-Read manuals	1
24	104030100016	104030100016	104030100016	104030100016	104030100016	104030100016	Decal-Diagram of working envelope	1
25	105021100003	105021100003	105021100003	105021100003	105021100003	105021100003	Decal-Tipping hazard	1
26	104011100021	104011100021	104011100021	104011100021	104011100021	104011100021	Decal-Crushing hazard	4
27	/	/	/	/	/	103010103014	Decal-Non-insulated	3
28	/	101079103034	101079103034	101079103034	101079103034	101079103034	Decal-Hand-hold position	1
29	103010103045	103003100015	103003100015	103003100015	105032103020	103003100015	Decal-Contact information	1
30	/	/	/	/	/	101040103015	Decal-Annual inspection date	1
31	104011100014	104011100014	104011100014	104011100014	104011100014	104011100014	Decal-Explosion hazard	1
32	114015103036	105058103003	105058103003	105058103003	105058103003	105058103003	LOGO-SINOBOOM (small)	1
33-1	/	104023103025	104023103025	104023103025	104023103025	104023103025	Decal-Emergency lowering (Articulating Boom)	1
33-2	104023103025	/	/	/	/	/	Decal-Emergency lowering (Articulating Boom)	1
34	/	105082103017	105082103017	105082103017	105082103017	105082103017	Decal-Tipping hazard	1
35	104011100020	104011100020	104011100020	104011100020	104011100020	104011100020	Decal-General safety instructions	1
36	104011100012	104011100012	104011100012	104011100012	104011100012	104011100012	Decal-Fall hazard	1

No.	GB	CE-Metric	CE-Imperial	AS	EAC	ANSI&CSA	Note	Qty.
37	104011100003	104011100003	104011100003	104011100003	104011100003	104011100003	Decal-Hydraulic oil level	1
38	104009100018	102012103009	102012103009	102012103009	102012103009	102012103009	Decal-Hydraulic oil marking	1
39	104010100021	104010100021	104010100021	104010100021	104010100021	104010100021	Decal-Applicable temperature range	1
40	104011100010	104011100010	104011100010	104011100010	104011100010	104011100010	Decal-Hydraulic oil level	1
41	104009100020	104009100020	104009100020	104009100020	104009100020	104009100020	Decal-Oil-water separator	1
42	104009100019	102012103008	102012103008	102012103008	102012103008	102012103008	Decal-Diesel fuel marking	1
43	105001100053	105001100053	105001100053	105001100053	105001100053	105001100053	Decal-Direction marking	1
44	105001100051	105001100051	105001100051	105001100051	105001100051	105001100051	Decal-Direction marking	1
45	101014100032	101014100032	101014100032	101014100032	101014100032	101014100032	Decal-Serial number	1
46	114011100004	114011100004	114011100004	114011100004	114011100004	114011100004	Decal-Do not flushing with water	1
47	/	/	/	/	/	103006103003	Decal-Operation instructions	1
48	103010103047	/	/	/	/	/	Decal - Never let platform touch ground	2
49	103012100016	/	/	/	/	/	Decal-SINOBOOM	2
50	103013100016	/	/	/	/	/	Decal-IPAF	1
51	Environmental information code imprint position	/	/	/	/	/	/	/

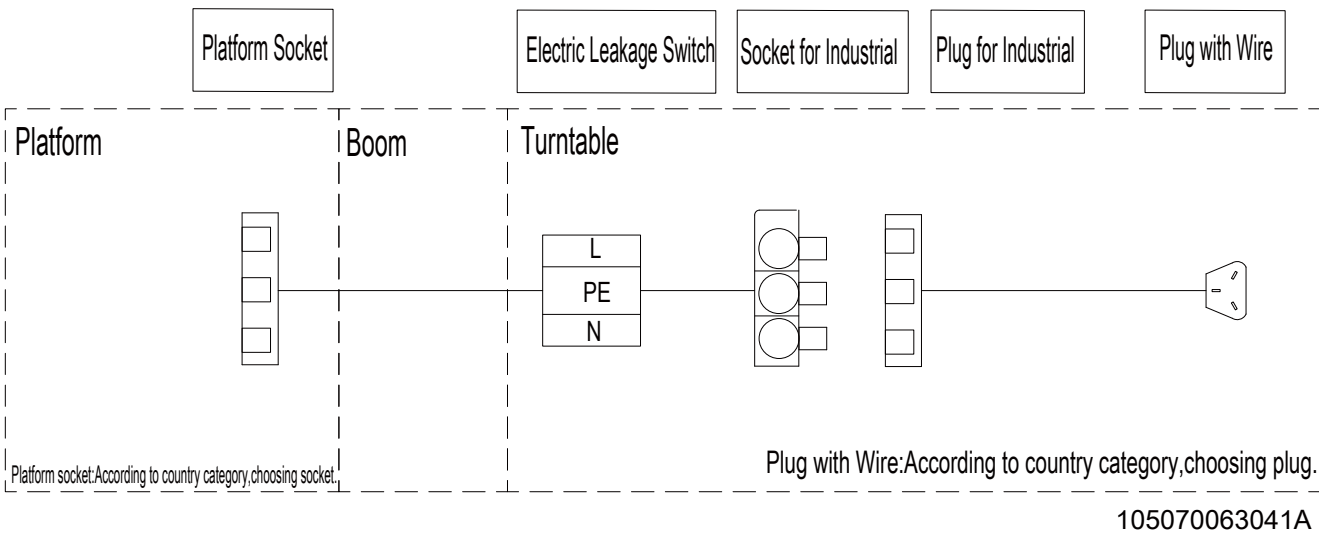
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10 OPTIONS

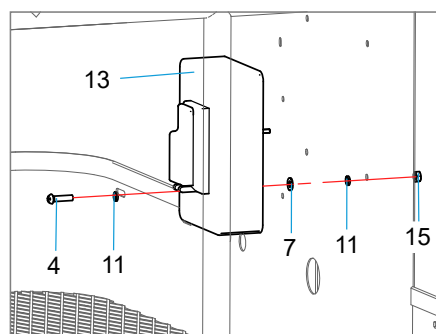
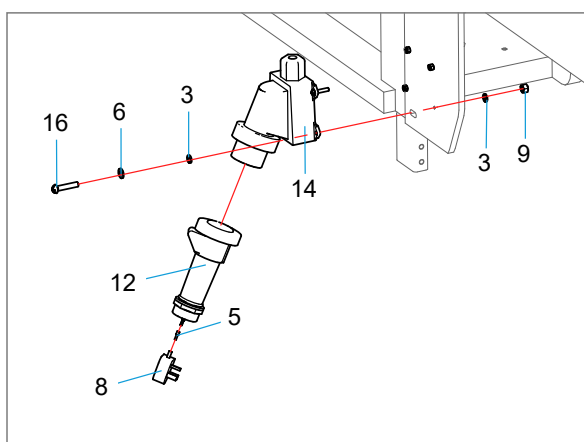
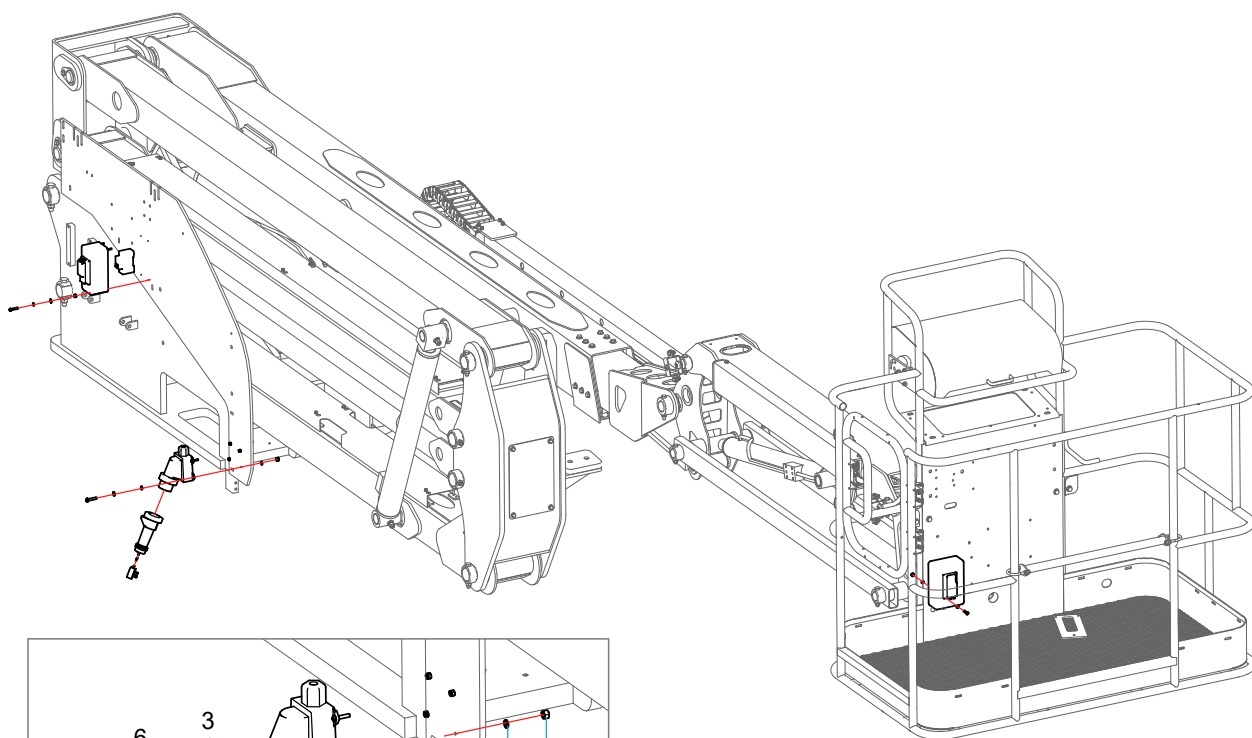
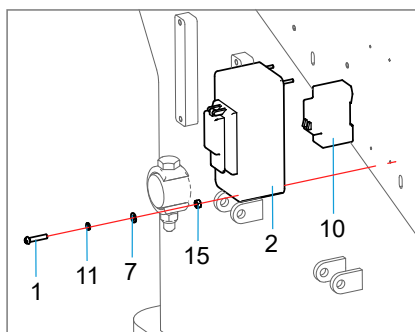
10.1 AC POWER INSTALLATION

No.	Part No.	Qty.	Description
1	105070063041		AC mains electrical schematic(Not shown, see details)
2	203230003416	1	Drag chain cable
3	104030060026	1	AC mains electrical installation(See details)
4	203230003389	1	Drag chain cable

10.2 ELECTRICAL SCHEMATIC DIAGRAM OF AC POWER



10.3 AC POWER ELECTRICAL COMPONENTS INSTALLATION



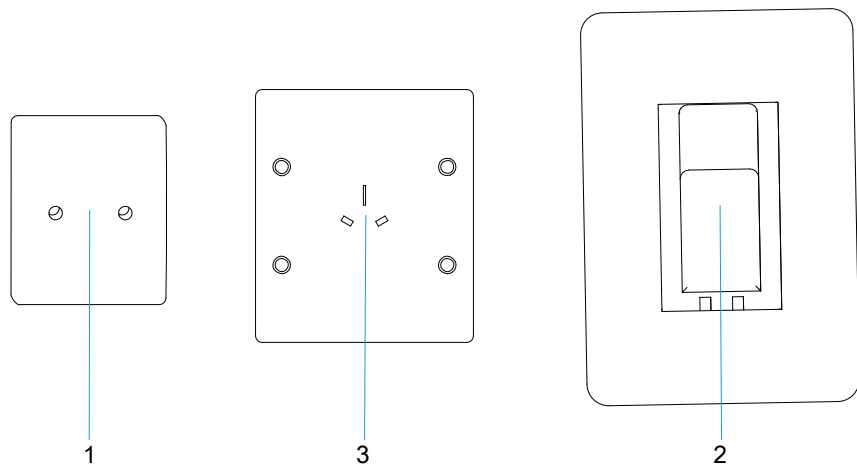
No.	Part No.	Qty.	Description
1	215020000107	4	Screw M4×20-A2-70 GB/T 818
2	203090000002	1	RCBO waterproof box
3	215040000003	8	Washer 5-A2-70 GB/T 93
4	215020000106	4	Screw M4×16-A2-70 GB/T 818
5	203080000415	3	Terminal
6	215040000032	4	Washer 5-A2 GB/T 97.1
7	215040000031	8	Washer 4-A2 GB/T 97.1
8	105074063065		Charger plug option(See details)
9	215030000003	4	Nut M5-A2-70 GB/T 6170
10	203160000002	1	Leakage protector
11	215040000002	12	Washer 4-A2-70 GB/T 93
12	203080003078	1	3P16A IP67 plug (female terminal)
13	103011063061		Socket, waterproof Options(See details)
14	203080003079	1	3P16A IP67 surface mounted socket (male terminal)
15	215030000002	8	Nut M4-8-A2-70 GB/T 6170
16	215020000113	4	Screw M5×25-A2-70 GB/T 818

10.4 POWER PLUG CORD OPTIONS

A	B	C	D	E	F	G	I
J	K	L	M	N	O	P	

No.	Part No.	Qty.	Description
	105074063065		Charger plug option
1	203080003835	1	Power plug cable(Type I, China and Australian specs)
2	203080003836	1	Power plug cable(Type G, HongKong and Middle East specs)
3	203080003837	1	Power plug cable(Type B, America and South America specs)
4	203080003838	1	Power plug cable(Type M, Macao specs)
5	203080003839	1	Power plug cable(Type E&F, European and Brazilian specs)
6	203080003840	1	Power plug cable(Type J, Swiss specs)
7	203080003842	1	Power plug cable(Type L, South America specs)
8	203080003969	1	Charger plug cable(Type H, Israel)
9	203080004032	1	Cable, plug (charger)(Type N, Brazil)
10	203080004033	1	Cable, plug (charger)(Type I, China)
11	203080004034	1	Cable, plug (charger)(Type I, Argentina)

10.5 WATERPROOF SOCKET INSTALLATION OPTIONS



No.	Part No.	Qty.	Description
	103011063061		Socket, waterproof Options
1	203080000278	1	Waterproof socket(EN)(Type E+F, European and Brazilian specs)
2	105074063062	1	American standard socket assembly(Type B, Americag and South America specs)
2a	203080000472	1	American standard socket assembly
2b	203080003824	3	Terminal
3	203080000249	1	Waterproof socket(Type I, China and Australian specs)

10.6 HYDRAULIC OIL OPTIONS

No.	Part No.	Qty.	Description
1	305070000006	1	Hydraulic oil(L-HS32 (-22℃~25℃))
2	305070000001	1	Hydraulic oil(HM-46 (0℃~40℃))
3	305070000003	1	Hydraulic oil(HV-32 (-15℃~25℃))
4	305070000002	1	Hydraulic oil(HM-68 (> 40℃))
5	305070000007	1	Hydraulic oil(AE-VX (< -22℃))

10.7 GEAR OIL OPTIONS

No.	Part No.	Qty.	Description
1	305040000003	1	Oil, gear (Mobil)(80W90GL-5/208L)
2	305040000004	1	Oil, gear (fully synthetic, heavy duty)(GL-5 75w-90)

10.8 ANTIFREEZE SOLUTION OPTIONS

No.	Part No.	Qty.	Description
1	201040003064	1	Antifreeze solution (-35°C)
2	201060000008	1	Antifreeze solution(-45°C, Deutz-specific)

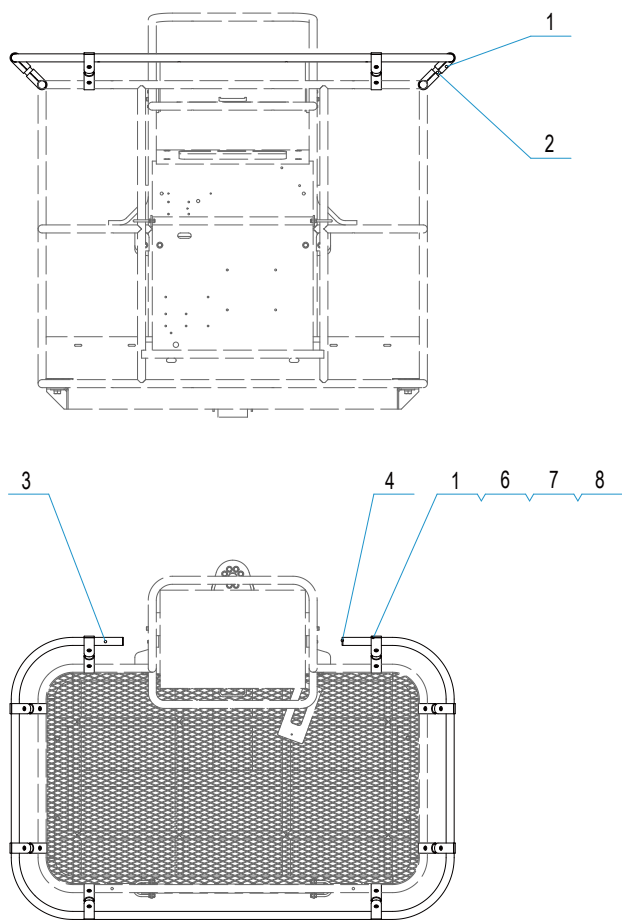
10.9 ENGINE OIL OPTIONS

No.	Part No.	Qty.	Description
1	305110000006	1	Engine oil, CK-4(15W-40 (-15°C ~ 40°C))
2	305110000003	1	Hydraulic oil(5W-40 (-25°C ~ 30°C))
3	305110000002	1	Engine oil, CJ-4(15W-40 (-15°C ~ 40°C))
4	305110000008	1	Engine oil, CJ-4(5W-40 (-25°C ~ 30°C))
5	305110000009	1	engine oil , CK-4(5W-40 (-25°C ~ 30°C))
6	305110000005	1	Engine oil, CI-4(15W-40 (-15°C ~ 40°C))
7	305110000007	1	Engine oil, CI-4(5W-40 (-25°C ~ 30°C))
8	305110000001	1	Engine oil, CH-4(15W-40 (-15°C ~ 40°C))

10.10 DIESEL OIL OPTIONS

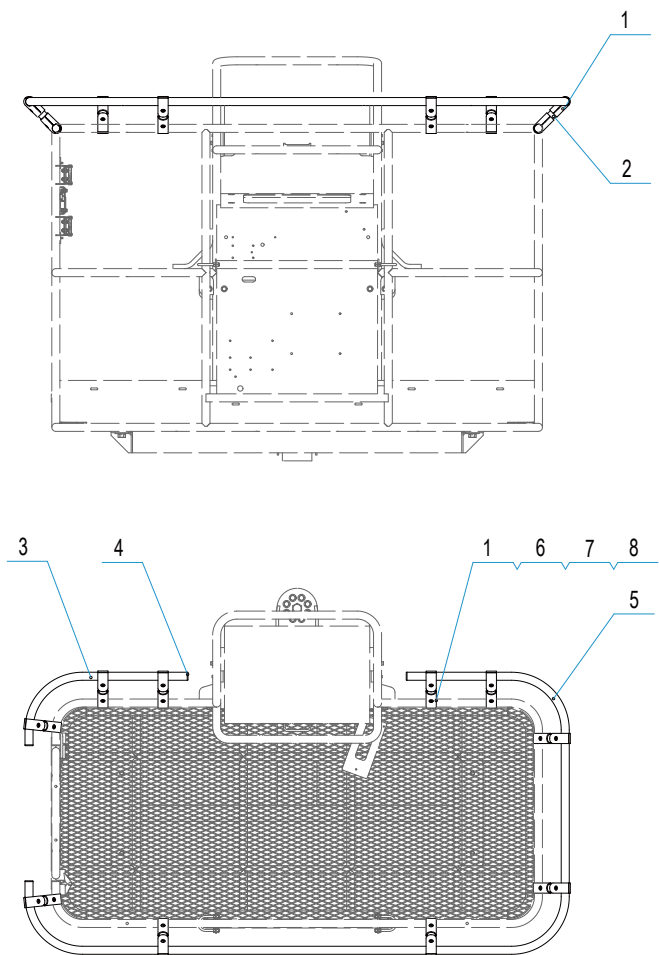
No.	Part No.	Qty.	Description
1	305020000003	1	-35# diesel(-30# (-25°C above))
2	305020000001	1	0# diesel(0# (4°C above))

10.11 ANTI-PINCH HAND DEVICE (FOR 1.45M [57IN] PLATFORM)



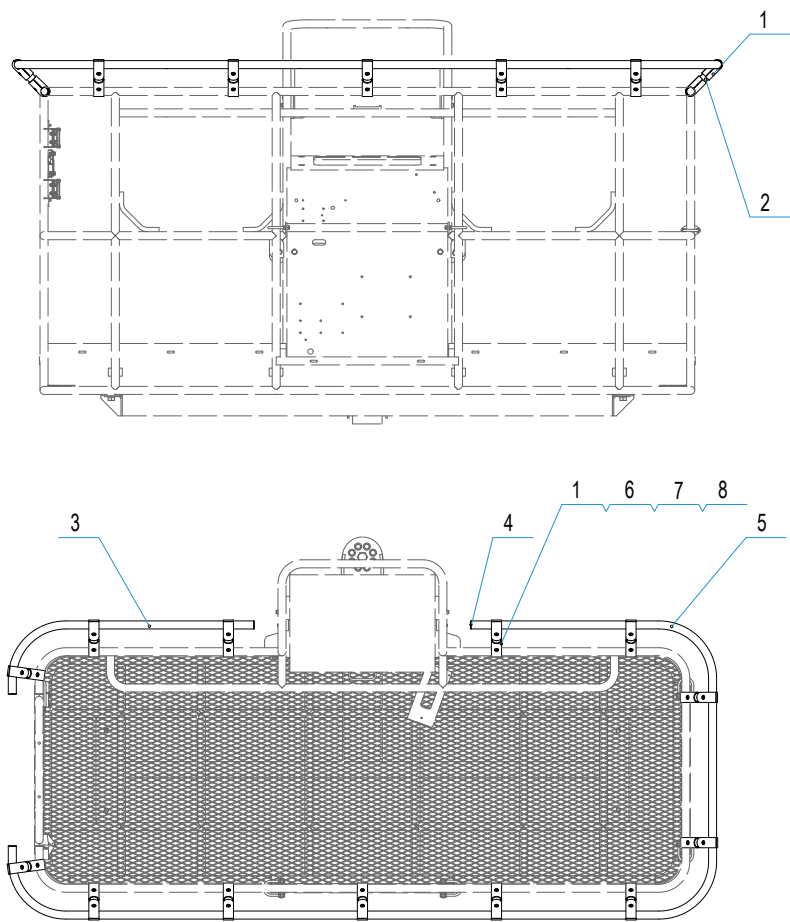
No.	Part No.	Qty.	Description
	105068043067	1	Anti-pinch device
1	209990003022	16	T-pipe connector
2	105068043069	8	Steel Pipe
3	105068043061	1	Steel Pipe
4	105064043177	2	Tube cap
5	215020000025	16	Screw M8×30-8.8-ZnD GB/T 70.1
6	215030000005	16	Nut M8-8-ZnD-GB/T 6170
7	216030003012	32	Rubber tube

10.12 ANTI-PINCH HAND DEVICE (FOR 1.83M [72IN] PLATFORM WITH SWING GATE)



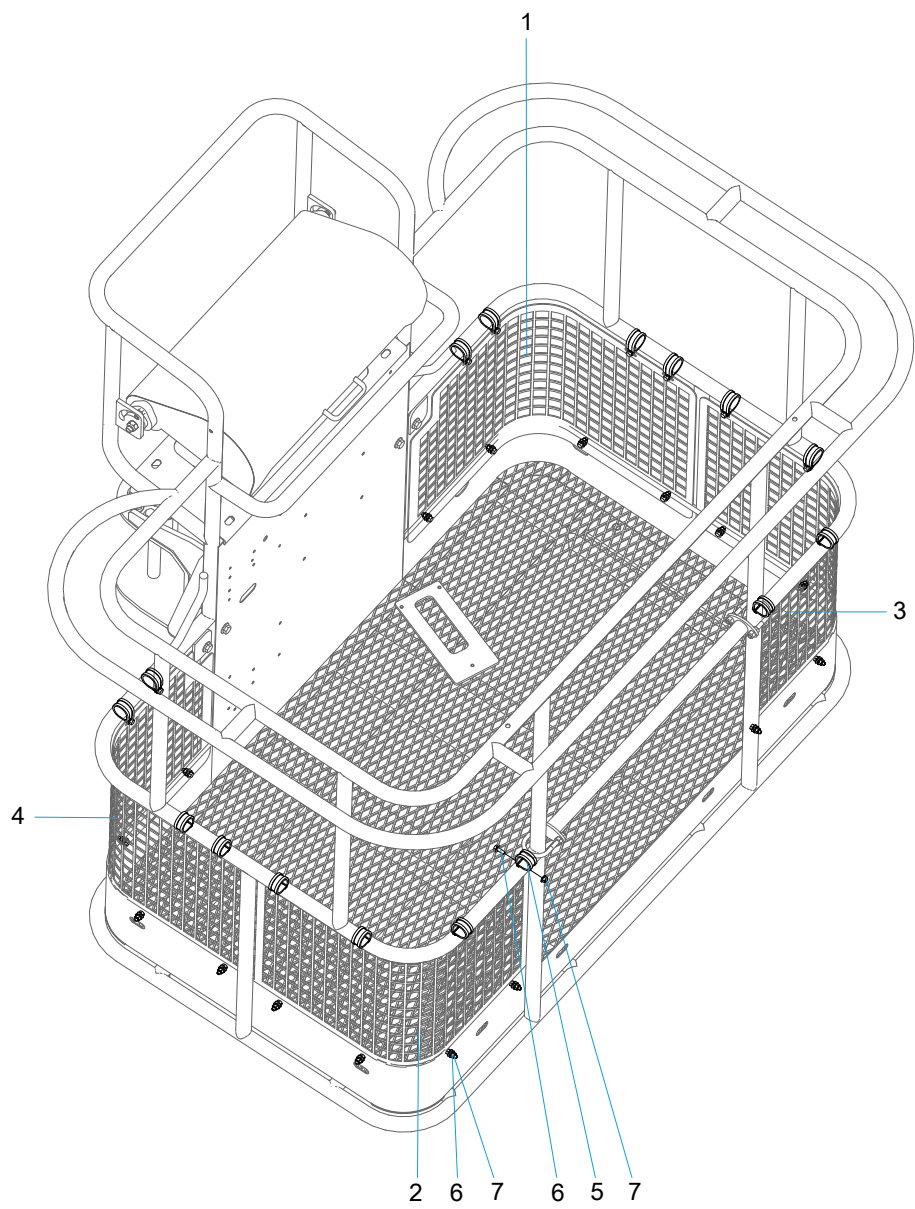
No.	Part No.	Qty.	Description
	105068043064	1	Anti-pinch device
1	209990003022	20	T-pipe connector
2	105068043069	10	Steel Pipe
3	105068043062	1	Steel Pipe
4	105064043177	4	Tube cap
5	105068043063	1	Steel Pipe
6	215020000025	20	Screw M8×30-8.8-ZnD GB/T 70.1
7	215030000005	20	Nut M8-8-ZnD-GB/T 6170
8	216030003012	40	Rubber tube

10.13 ANTI-PINCH HAND DEVICE (FOR 2.44M [96IN] PLATFORM WITH SWING GATE)



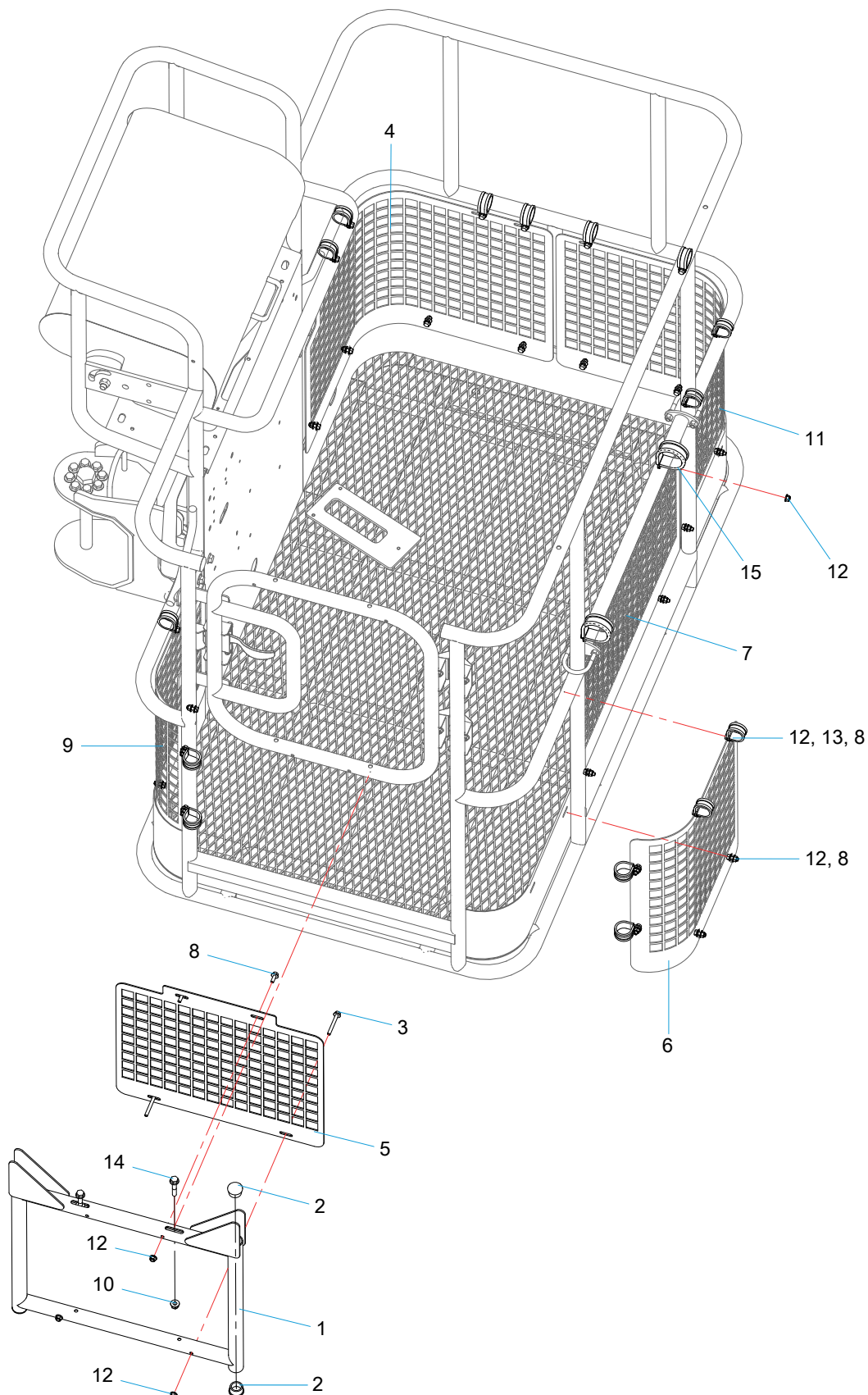
No.	Part No.	Qty.	Description
	105068043071	1	Anti-pinch device
1	209990003022	26	T-pipe connector
2	105068043069	13	Steel Pipe
3	105068043068	1	Steel Pipe
4	105064043177	4	Tube cap
5	105068043070	1	Steel Pipe
6	215020000025	26	Screw M8×30-8.8-ZnD GB/T 70.1
7	215030000005	26	Nut M8-8-ZnD-GB/T 6170
8	216030003012	52	Rubber tube

10.14 HALF-HEIGHT MESH INSTALLATION (FOR 1.45M [57IN] PLATFORM)



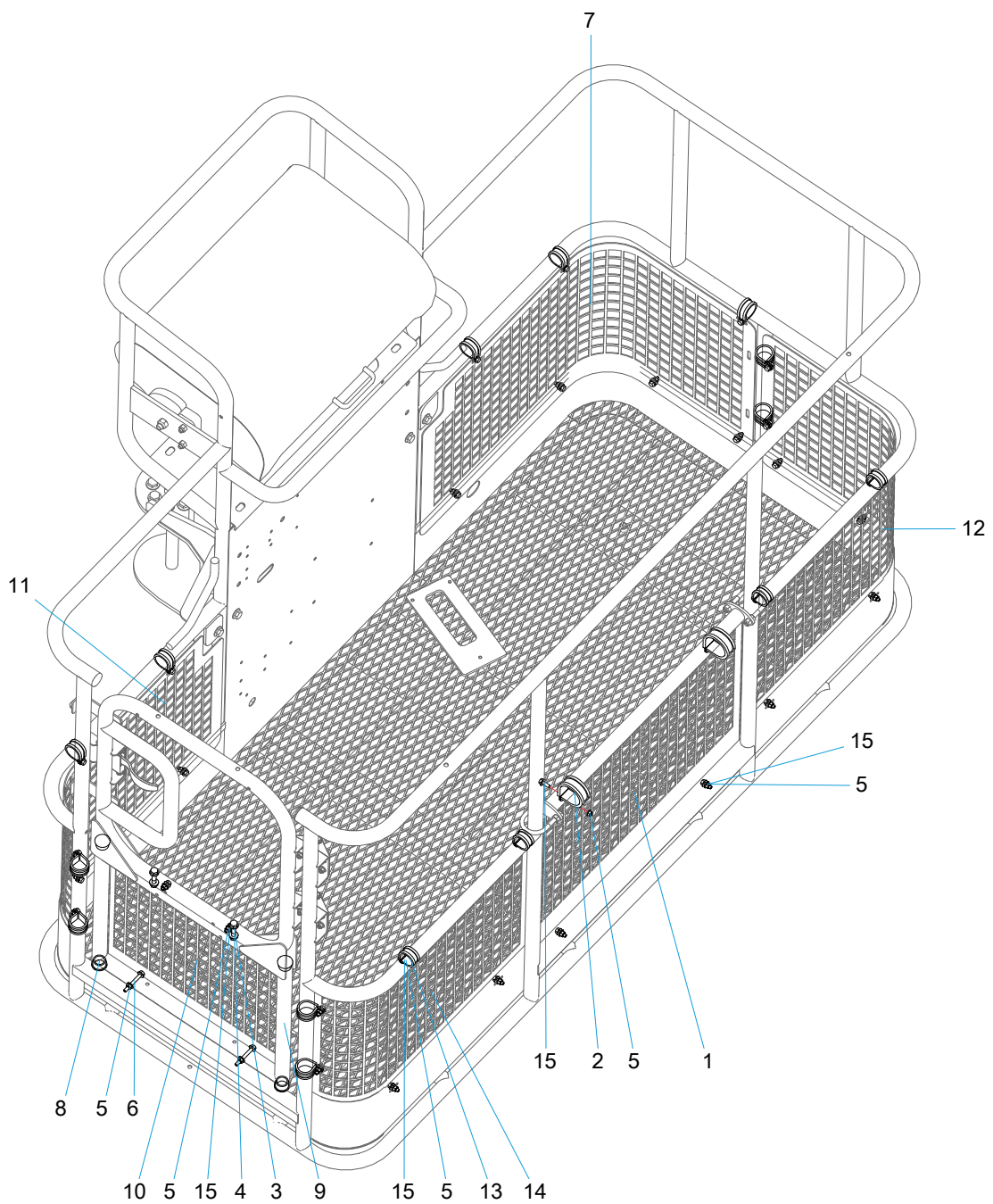
No.	Part No.	Qty.	Description
	105068043056	1	INST, Platform mesh, half-height (1.45m)
1	105068043050	1	Coaming
2	105068043051	1	Coaming
3	105068043052	1	Coaming
4	105068043053	1	Coaming
5	201051063041	16	Clamp
6	215010000230	32	Bolt M6×16-8.8-ZnD GB/T 5789
7	215030000107	32	Nut M6-8-ZnD GB/T 6183.1

10.15 HALF-HEIGHT MESH INSTALLATION (FOR 1.45M [57IN] PLATFORM WITH SWING GATE)



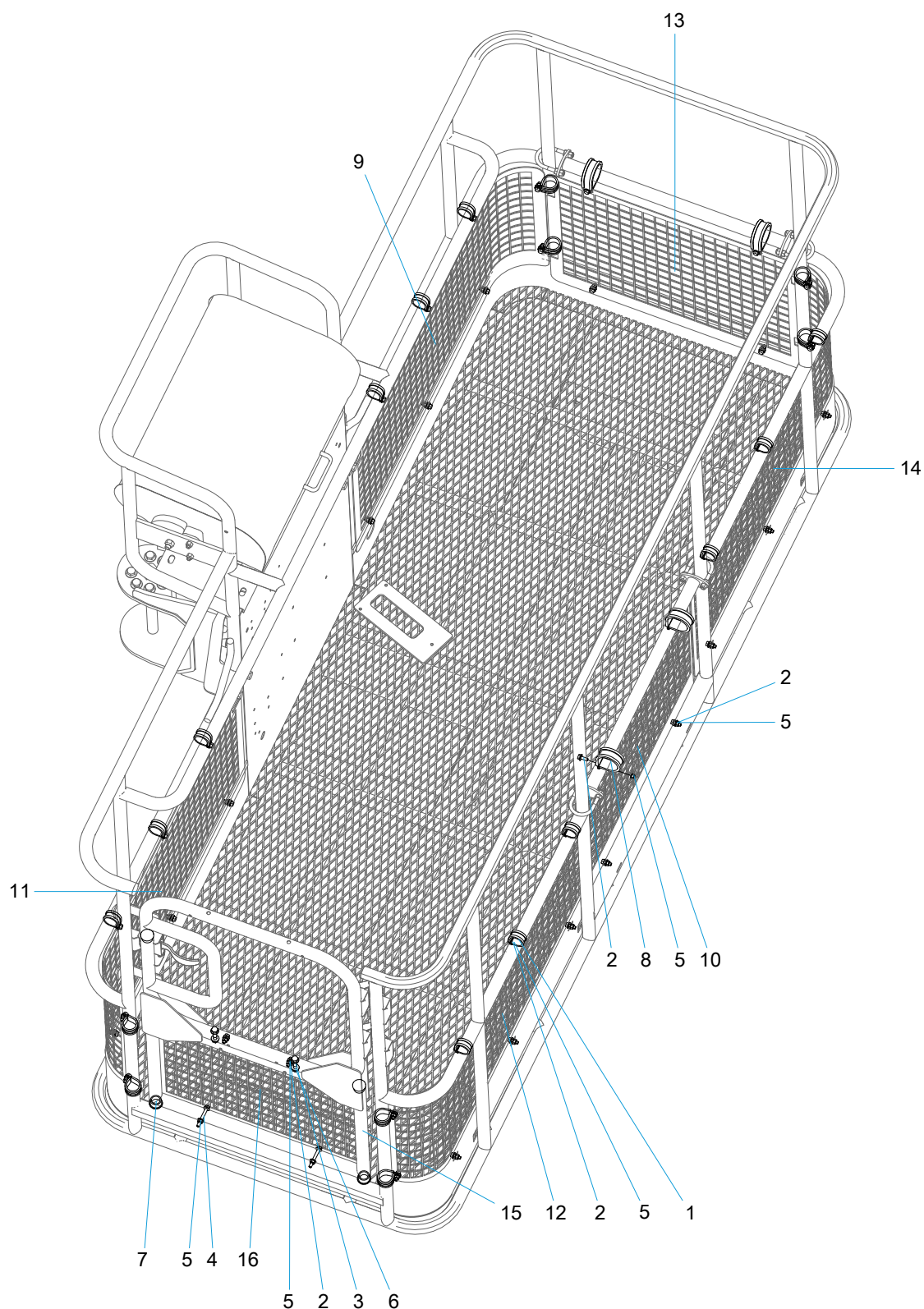
No.	Part No.	Qty.	Description
	103006043015	1	INST, platform mesh (half-height, 1.45m swing gate)
1	105068043036	1	Door frame weldment,lower
2	105064043177	4	Tube cap
3	215010000283	2	Bolt M6×50-8.8-ZnD GB/T 5789
4	105068043050	1	Coaming
5	105068043032	1	Side coaming,lower
6	103006043016	1	Mesh 1
7	105064043194	1	Coaming
8	215010000230	32	Bolt M6×16-8.8-ZnD GB/T 5789
9	103006043017	1	Mesh 2
10	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
11	105068043052	1	Coaming
12	215030000107	35	Nut M6-8-ZnD GB/T 6183.1
13	201051063041	15	Clamp
14	215010000257	2	Bolt M8×45-8.8-ZnD GB/T 5789
15	216020003014	2	Retaining ring

10.16 HALF-HEIGHT MESH INSTALLATION (FOR PLATFORM WITH 1.83M SWING GATE)



No.	Part No.	Qty.	Description
	105068043041	1	INST,Platform mesh, half-height (1.83m)
1	105064043194	1	Coaming
2	216020003014	2	Retaining ring
3	215010000257	2	Bolt M8×45-8.8-ZnD GB/T 5789
4	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
5	215030000107	35	Nut M6-8-ZnD GB/T 6183.1
6	215010000283	2	Bolt M6×50-8.8-ZnD GB/T 5789
7	105068043029	1	Coaming
8	105064043177	4	Tube cap
9	105068043036	1	Door frame weldment,lower
10	105068043032	1	Side coaming,lower
11	105064043193	1	Coaming
12	105068043038	1	Coaming
13	201051063041	15	Clamp
14	105068043031	1	Coaming
15	215010000230	33	Bolt M6×16-8.8-ZnD GB/T 5789

10.17 HALF-HEIGHT MESH INSTALLATION (FOR PLATFORM WITH 2.44M SWING GATE)



No.	Part No.	Qty.	Description
	105064043033	1	Half-height guardrail installation
1	201051063041	20	Clamp
2	215010000230	42	Bolt M6×16-8.8-ZnD GB/T 5789
3	215010000257	2	Bolt M8×45-8.8-ZnD GB/T 5789
4	215010000283	2	Bolt M6×50-8.8-ZnD GB/T 5789
5	215030000107	44	Nut M6-8-ZnD GB/T 6183.1
6	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
7	105064043177	4	Tube cap
8	216020003014	4	Retaining ring
9	105064043030	1	Coaming
10	105064043176	1	Coaming
11	105064043031	1	Coaming
12	105064043027	1	Coaming
13	105064043028	1	Coaming
14	105064043175	1	Coaming
15	105064043103	1	Lower Door Frame Weldment
16	105064043107	1	Side coaming,lower

10.18 ON-BOARD SPARE PARTS (FOR GENERATOR-EQUIPPED MODELS)

No.	Part No.	Qty.	Description
1	105084123003	1	Accompanying parts , Yanmar engine 3TNV80F-NXDSI
1a	201020003077	1	Air filter element
1b	201990003132	1	Oil-water separator
1c	201990003184	1	Lubricating oil filter
1d	201990003185	1	Diesel filter element
1e	202070003022	1	Air filter element
2	201990003147	2	Narrow V-belt
3	202080000004	2	Oil suction filter
4	202080000010	1	Return filter element
5	203060000072	2	Handle holster
6	203070000005	5	Plug-in fuse
7	203070000018	10	Plug-in fuse
8	203070000019	5	Plug-in fuse
9	207010000003	10	Grease nipple M10×1 GB/T 1152
10	207010000004	10	Grease nipple 90° M10×1 GB/T 1153
11	207040000024	10	O-ring
12	207040000029	10	O-ring 10.0×2.0 GB1235
13	207040000045	10	O-ring 10.77×2.62 AS568
14	207040000046	10	O-ring 120.32×2.62 AS158
15	207040000047	10	O-ring
16	207040000048	10	O-ring 14×1.78 AS015
17	207990000001	10	O-ring(ANSI)
18	207990000002	10	O-ring(ANSI)
19	207990000003	10	O-ring(ANSI)
20	213010000010	1	Coupler
21	213010000116	1	Fitting
22	213060000001	2	Plug
23	213060000003	2	Plug
24	213060000008	2	Plug
25	213060000009	2	Plug
26	216070000003	2	Safety lanyard
27	216070003005	1	Box, service parts stock

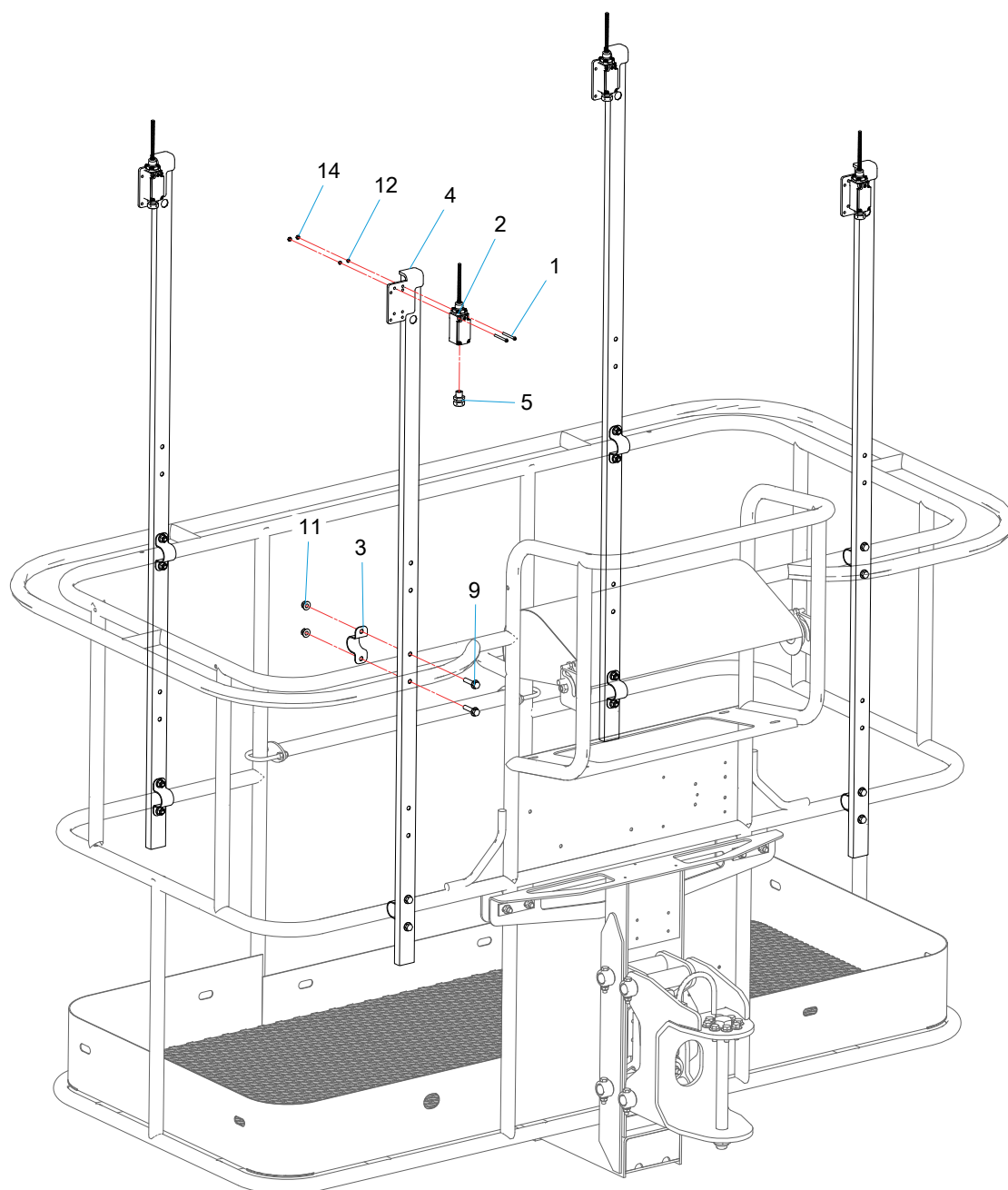
10.19 ON-BOARD SPARE PARTS (YANMAR ENGINE)

No.	Part No.	Qty.	Description
1	105084123003	1	Accompanying parts , Yanmar engine 3TNV80F-NXDSI
1a	201020003077	1	Air filter element
1b	201990003132	1	Oil-water separator
1c	201990003184	1	Lubricating oil filter
1d	201990003185	1	Diesel filter element
1e	202070003022	1	Air filter element
2	202080000004	2	Oil suction filter
3	202080000010	1	Return filter element
4	203060000072	2	Handle holster
5	203070000005	5	Plug-in fuse
6	203070000018	10	Plug-in fuse
7	203070000019	5	Plug-in fuse
8	207010000003	10	Grease nipple M10×1 GB/T 1152
9	207010000004	10	Grease nipple 90° M10×1 GB/T 1153
10	207040000024	10	O-ring
11	207040000029	10	O-ring 10.0×2.0 GB1235
12	207040000045	10	O-ring 10.77×2.62 AS568
13	207040000046	10	O-ring 120.32×2.62 AS158
14	207040000047	10	O-ring
15	207040000048	10	O-ring 14×1.78 AS015
16	207990000001	10	O-ring(ANSI)
17	207990000002	10	O-ring(ANSI)
18	207990000003	10	O-ring(ANSI)
19	213010000010	1	Coupler
20	213010000116	1	Fitting
21	213060000001	2	Plug
22	213060000003	2	Plug
23	213060000008	2	Plug
24	213060000009	2	Plug
25	216070000003	2	Safety lanyard
26	216070003005	1	Box, service parts stock

10.20 ON-BOARD SPARE PARTS (KUBOTA ENGINE)

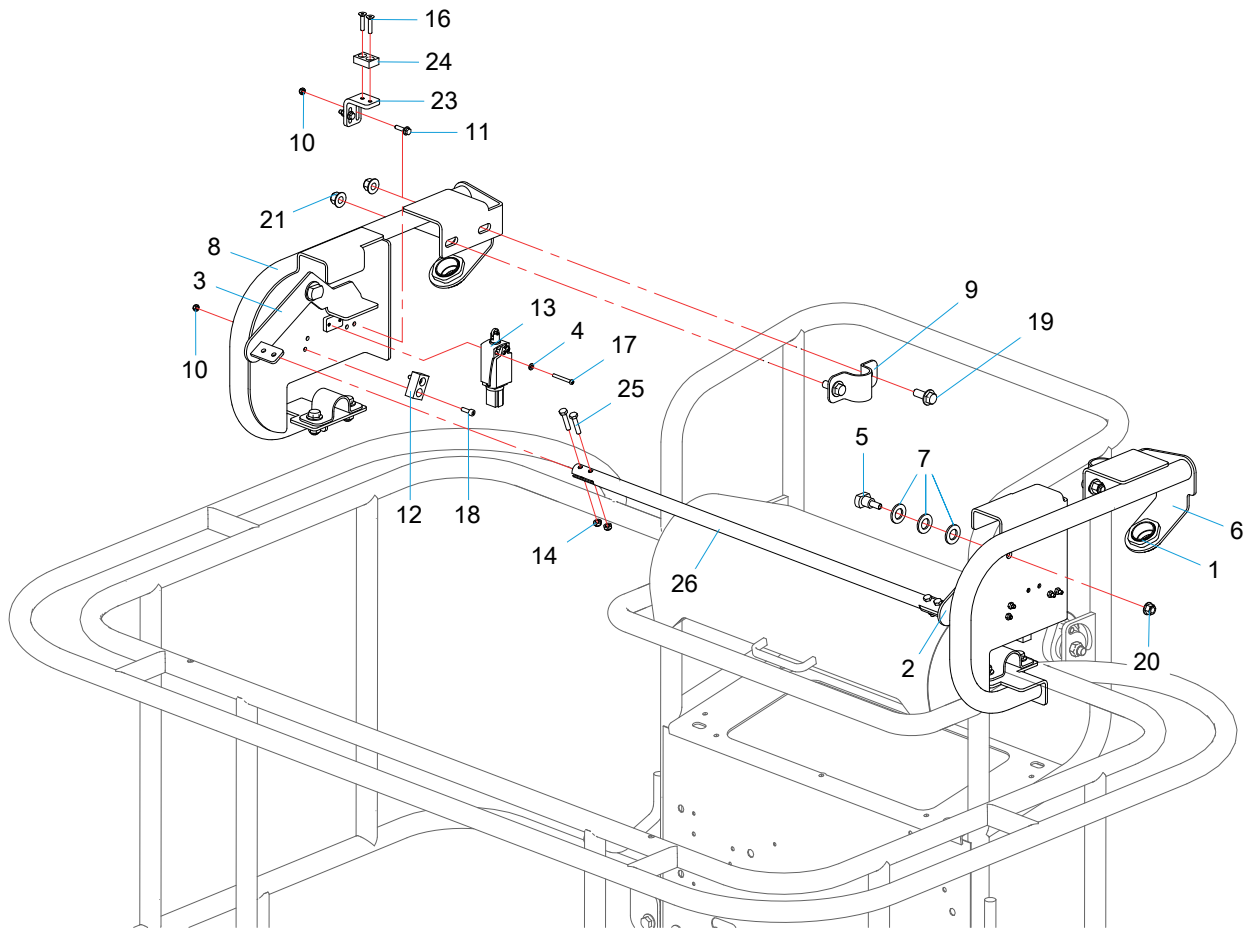
No.	Part No.	Qty.	Description
1	213010000010	1	Coupler
2	203070000019	5	Plug-in fuse
3	207990000002	10	O-ring(ANSI)
4	207990000003	10	O-ring(ANSI)
5	207040000045	10	O-ring 10.77×2.62 AS568
6	207010000003	10	Grease nipple M10×1 GB/T 1152
7	207040000046	10	O-ring 120.32×2.62 AS158
8	213010000116	1	Fitting
9	203070000018	10	Plug-in fuse
10	213060000008	2	Plug
11	202080000004	1	Oil suction filter
12	207040000029	10	O-ring 10.0×2.0 GB1235
13	207040000024	10	O-ring
14	216070003005	1	Box, service parts stock
15	216070000003	2	Safety lanyard
16	213060000003	2	Plug
17	202080000010	1	Return filter element
18	207010000004	10	Grease nipple 90° M10×1 GB/T 1153
19	213060000009	2	Plug
20	203070000005	5	Plug-in fuse
21	213060000001	2	Plug
22	105084123008	1	Accompanying parts , Kubota engine D1105
22a	201020003064	1	Air filter element
22b	201050000003	1	Fuel-water separator
22c	201990003208	1	KUBOTA , engine oil filter
22d	201990003209	1	KUBOTA , diesel filter
23	207040000048	10	O-ring 14×1.78 AS015
24	203060000072	2	Handle holster
25	207990000001	10	O-ring(ANSI)
26	207040000047	10	O-ring

10.21 OVERHEAD PROTECTION INSTALLATION



No.	Part No.	Qty.	Description
	105017060062	1	Limit device installation
1	215020000213	8	Screw M4×40-A2-70 GB/T 818
2	203060000056	4	Travel switch
3	103011043003	8	Plate
4	105064043216	4	Height Limit Pole
5	203990000005	4	Nylon waterproof connector
6	203080000021	1	Lock(Not shown)
7	203080000041	2	Female connector(Not shown)
8	203080000016	1	Lock(Not shown)
9	215010000296	16	Bolt M8×35-8.8 ZnD GB/T 5789
10	203080000033	2	Male connector(Not shown)
11	215030000108	16	Nut M8-8-ZnD GB/T 6183.1
12	215040000002	8	Washer 4-A2-70 GB/T 93
13	203080000011	1	Sheath(Not shown)
14	215030000002	8	Nut M4-8-A2-70 GB/T 6170
15	203080000024	1	Sheath(Not shown)

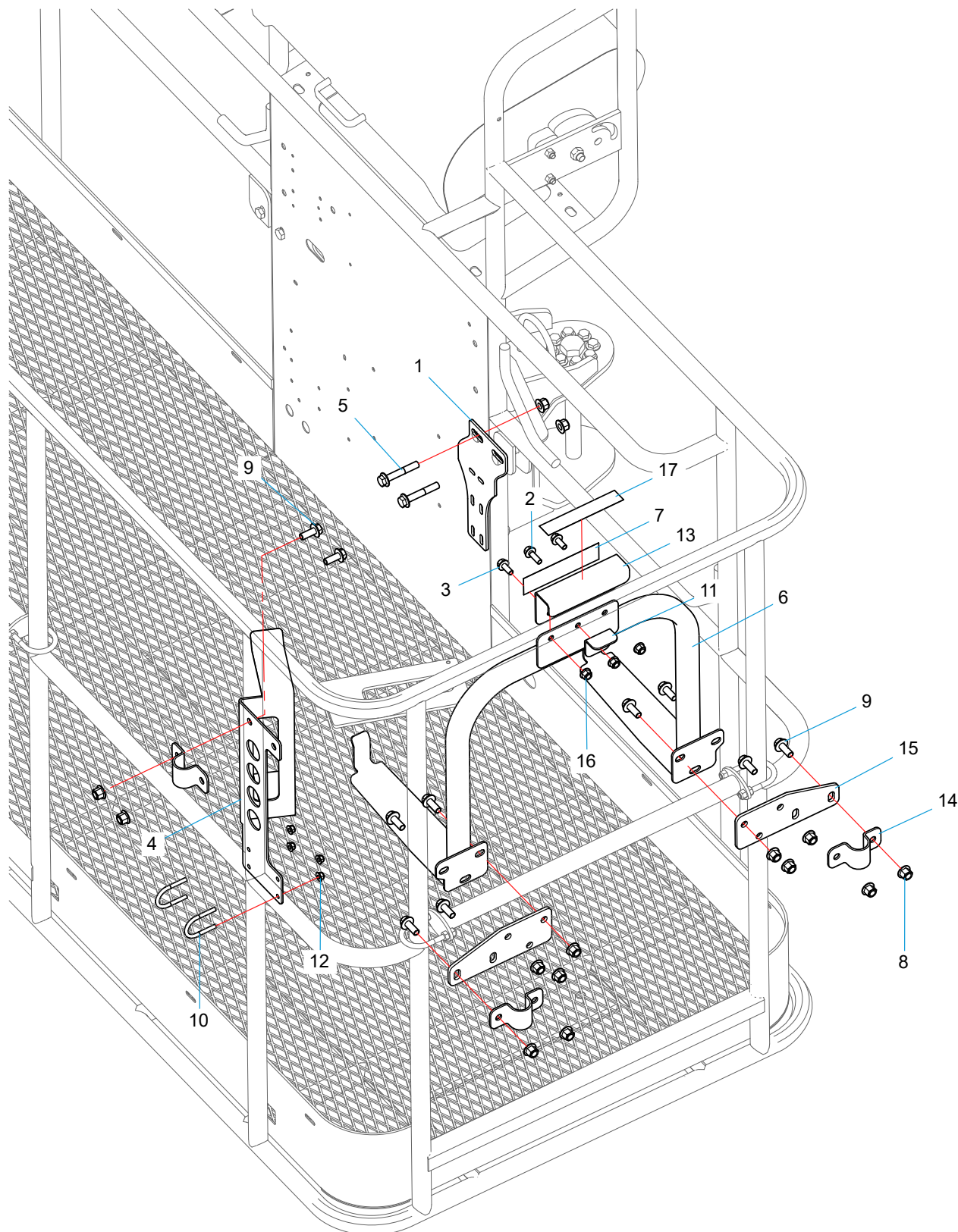
10.22 SECONDARY GUARDING INSTALLATION



No.	Part No.	Qty.	Description
	105070043057		Anti-pinch device installation
1	103007063029		Beacon light option
1-1	203050003065	1	Beacon light (Blue)(Blue)
1-2	203050003058	1	Strobe warning light(Amber)
2	114015013248	1	Right-angle bend plate
3	114015013250	1	Left-angle bend plate
4	215040000031	4	Washer 4-A2 GB/T 97.1
5	114015013217	2	Bolt
6	114015013253	1	bracket
7	215040000123	6	Washer 14-100HV-ZnD GB/T 95
8	114015013254	1	bracket
9	114015040004	4	Plate
10	215030000091	8	Nut M5-A2-70 GB/T 6184
11	215010000256	4	Bolt M5×20-8.8-ZnD GB/T 5789
12	103010013495	2	Pad

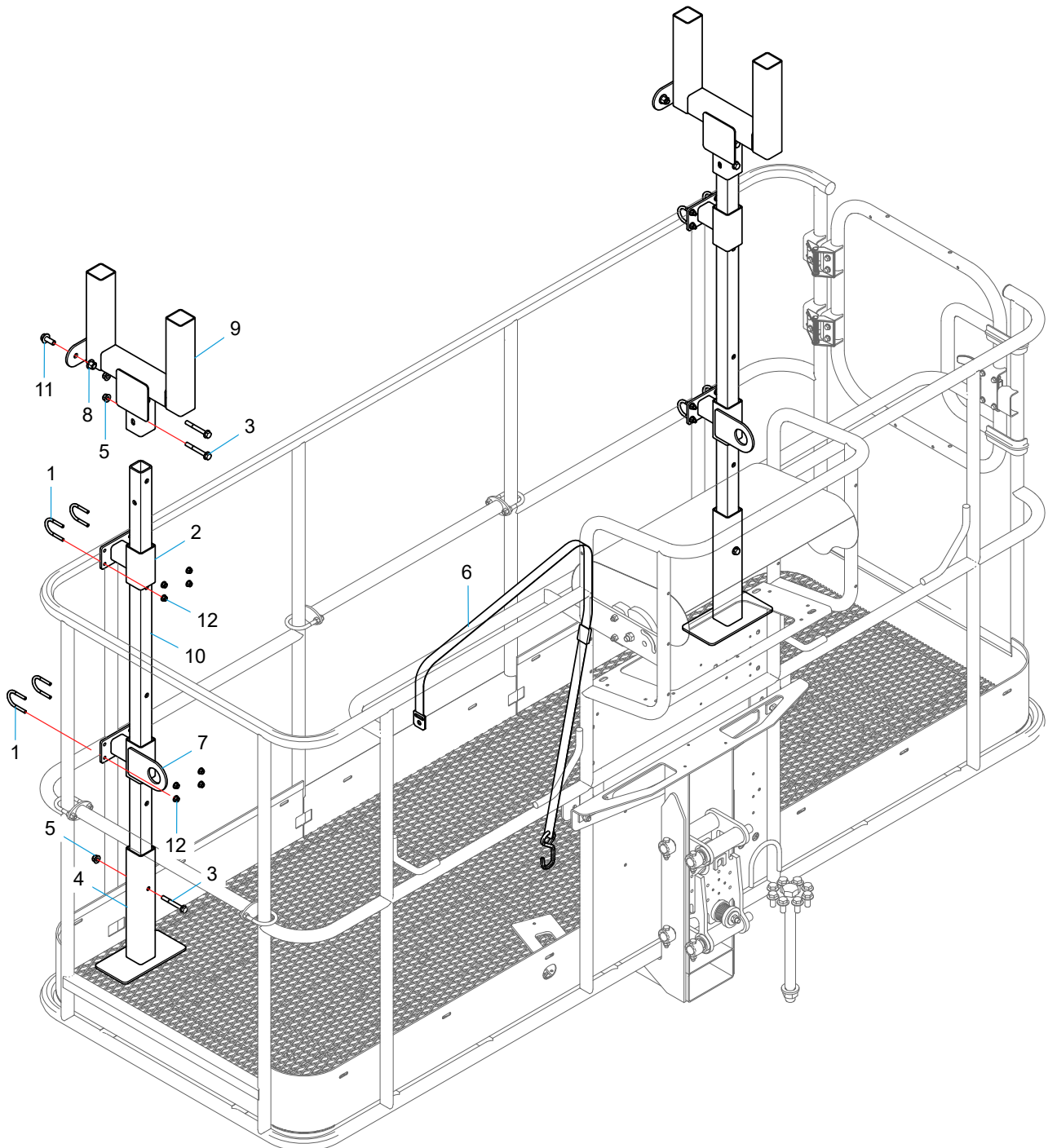
No.	Part No.	Qty.	Description
13	203060003031	2	Travel switch
14	215030000025	4	Nut M6-8-A2-70 GB/T 889.1
15	105078063082	1	Anti-pinch Electrical schematic
16	215020000321	4	Screw M5×25-A2-70 GB/T 70.3
17	215020000212	4	Screw M4×35-A2-70 GB/T 818
18	215020000007	4	Screw M5×16-A2-70 GB/T 70.1
19	215010000238	8	Bolt M10×25-8.8-ZnD GB/T 5789
20	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
21	215030000109	8	Nut M10-8-ZnD GB/T 6183.1
22	105078063081	1	Harness, anti-pinch device
23	105070043028	2	Bending plate
24	209990003011	2	Magnet
25	215010000053	4	Bolt M6×30-A2-70 GB/T 5783
26	105070043055	1	Round rod

10.23 PLATFORM ATTACHMENT INSTALLATION



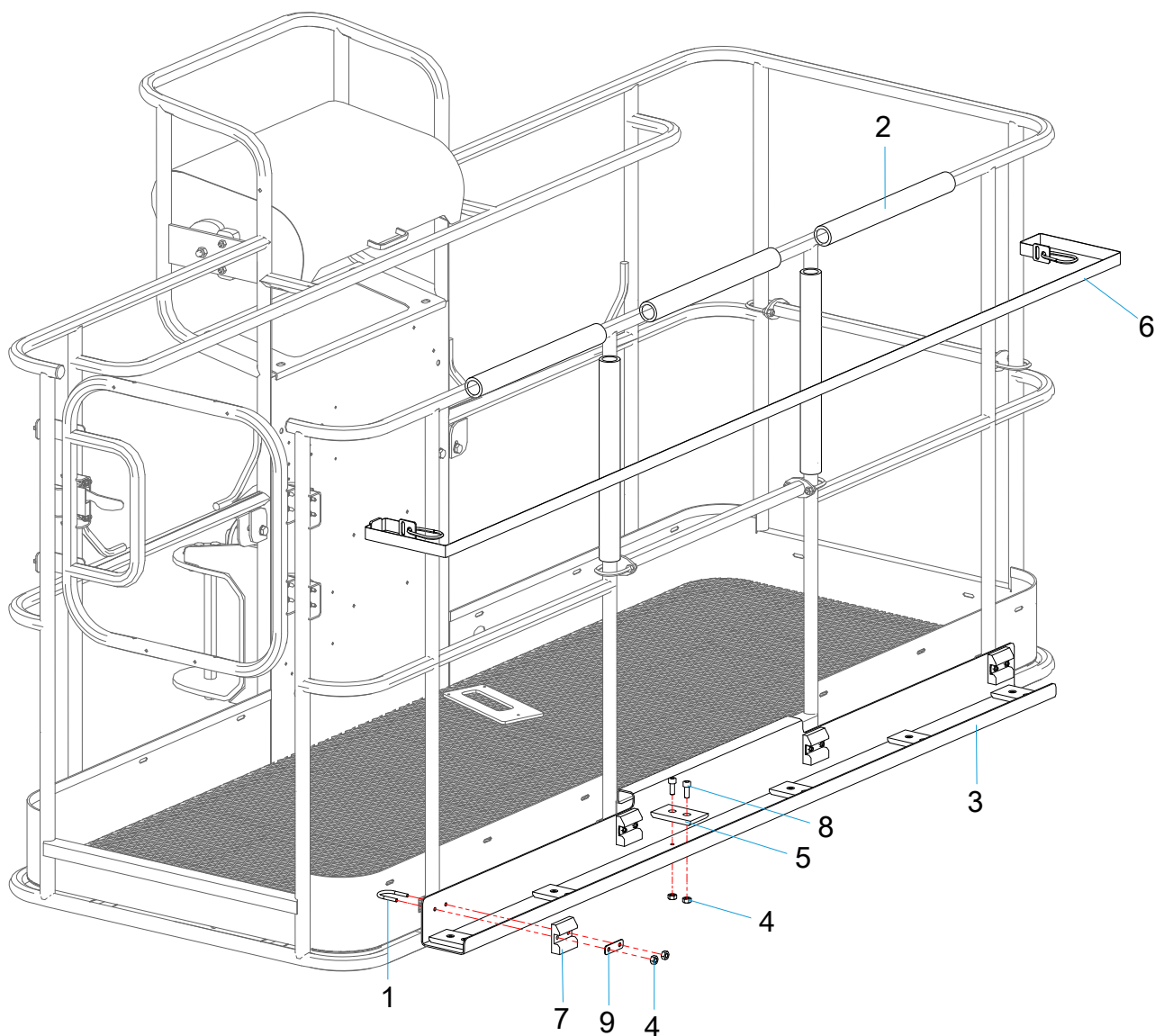
No.	Part No.	Qty.	Description
	105069170010	1	Platform attachment installation
1	105069170001	1	Fire extinguisher bracket
2	215010000235	1	Bolt M8×25-8.8-ZnD GB/T 5789
3	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
4	105069170002	1	Bracket
5	215010000291	2	Bolt M10×60-8.8-ZnD GB/T 5789
6	105069170007	1	Bracket, welding machine
7	105056103007	1	Installation instructions
8	215030000109	14	Nut M10-8-ZnD GB/T 6183.1
9	215010000238	12	Bolt M10×25-8.8-ZnD GB/T 5789
10	105064043020	2	U-bolt
11	105069170008	1	Plate, bending
12	215030000107	4	Nut M6-8-ZnD GB/T 6183.1
13	105069170009	1	Channel plate
14	105029043013	3	Plate
15	105070170001	2	Plate
16	215030000108	3	Nut M8-8-ZnD GB/T 6183.1
17	105069103009	1	Installation instructions

10.24 PIPELINE SUPPORT ASSEMBLY



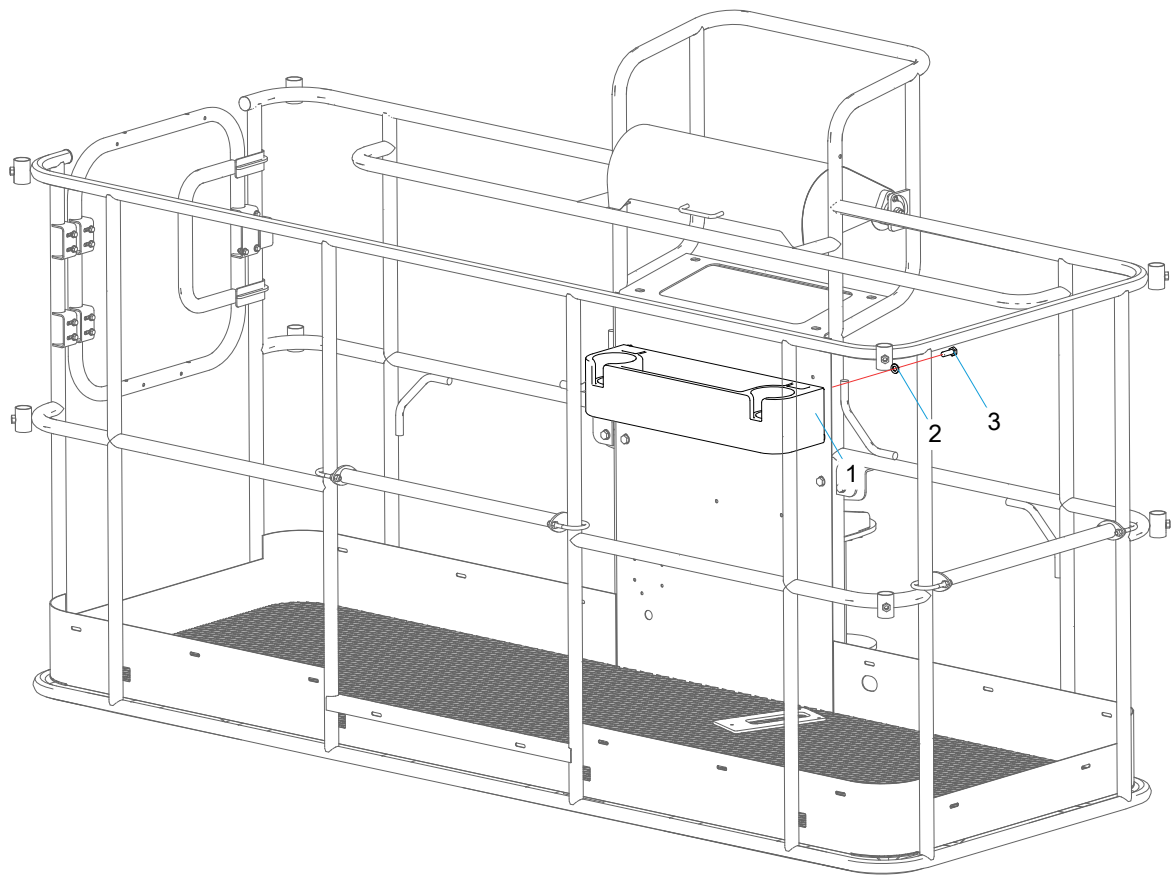
No.	Part No.	Qty.	Description
	114006040008	1	Pipe racks assembly(Two sets for matching use)
1	105064043020	8	U-bolt
2	114006040005	2	Guide sleeve
3	215010000319	6	Bolt M8×65-8.8-ZnD GB/T 5789
4	114006040002	2	Support
5	215030000108	6	Nut M8-8-ZnD GB/T 6183.1
6	216020003032	2	Tie
7	114006040010	2	Guide sleeve
8	215030000109	2	Nut M10-8-ZnD GB/T 6183.1
9	114006040011	2	U-shaped pipe rack
10	114006040003	2	Square tube
11	215010000238	2	Bolt M10×25-8.8-ZnD GB/T 5789
12	215030000107	16	Nut M6-8-ZnD GB/T 6183.1
13	102013103016	2	Decal-Pipe rack load 100kg

10.25 GLASS PANEL BRACKET INSTALLATION



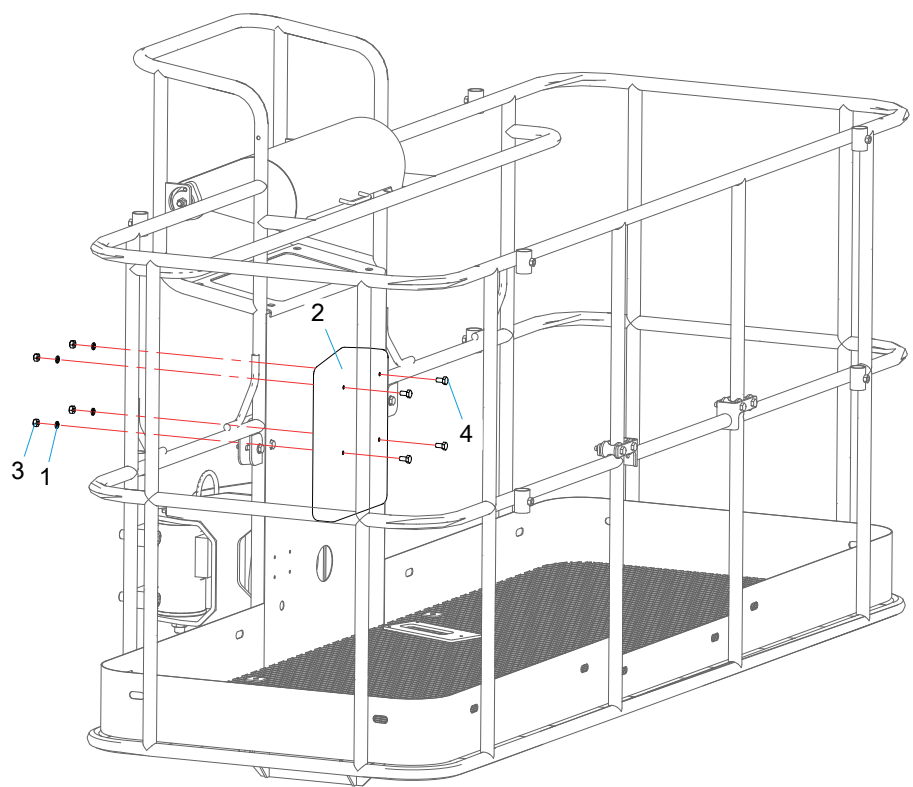
No.	Part No.	Qty.	Description
	105064043022	1	Cradle, panel (glass)
1	105064043020	4	U-bolt
2	105064190001	5	Rubber tube
3	105064043017	1	Plate, mounting
4	215030000004	20	Nut M6-A2-70 GB/T 6170
5	105064043024	6	Cushion block
6	216020003031	1	Tie
7	105064043136	4	Cushion block
8	215020000011	12	Screw M6×16-A2-70 GB/T 70.1
9	105064043178	4	Plate

10.26 TOOL BOX INSTALLATION



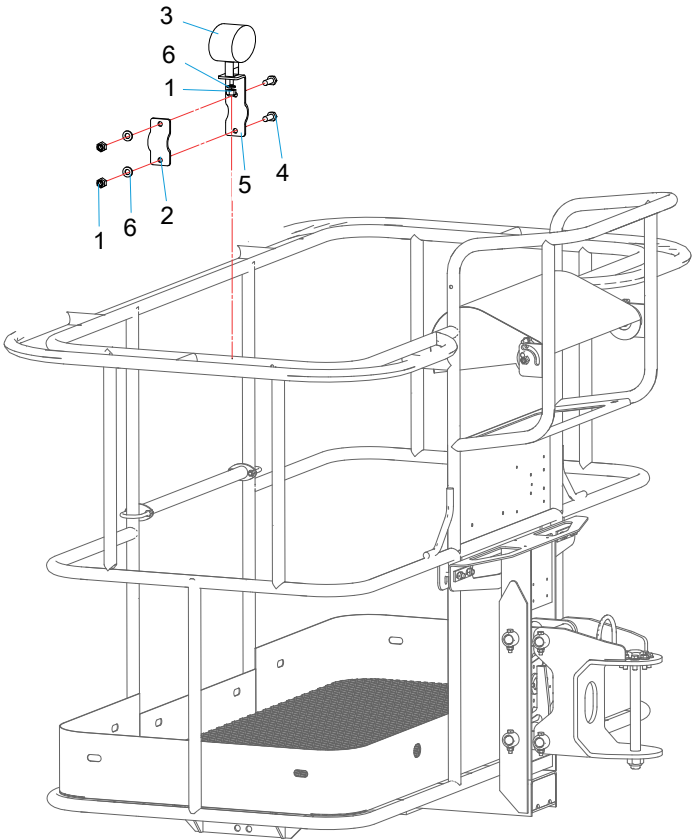
No.	Part No.	Qty.	Description
	105064043064	1	Tool box installation
1	105064043066	1	Tool box
2	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1
3	215010000071	4	Bolt M10×30-8.8-ZnD GB/T 5783

10.27 MANUAL STORAGE CONTAINER INSTALLATION



No.	Part No.	Qty.	Description
	105017040003	1	Manual storage container installation
1	215040000004	4	Washer 6-A2-70 GB/T 93
2	216070000001	1	Manual storage container
3	215030000004	4	Nut M6-A2-70 GB/T 6170
4	215010000049	4	Bolt M6×12-A2-70 GB/T 5783

10.28 WORK LIGHT INSTALLATION



No.	Part No.	Qty.	Description
	105017060065	1	Worklight installation
1	215030000026	3	Nut M8-8-ZnD GB/T889.1
2	105017060067	1	Plate
3	203050000059	1	Lamp,illuminating
4	215010000058	2	Bolt M8×25-8.8-ZnD GB/T 5783
5	105017060066	1	Plate
6	215040000034	3	Washer 8-200HV-ZnD GB/T 97.1
7	203080000104	2	Cable, copper-cored(Not shown)
8	203080000033	2	Male connector(Not shown)
9	203080000021	1	Lock(Not shown)
10	203080000011	1	Sheath(Not shown)

Always for Better Access Solutions



Hunan Sinoboom Intelligent Equipment Co., Ltd.

No.128, East Jinzhou Avenue, Ningxiang High-tech Industrial Park, Changsha, Hunan, China

☎ 0086-0731-87116222 (Sales) & 0086-0731-87116333 (Service)

✉ sales@sinoboom.com

🌐 www.sinoboom.com

North American Subsidiary

Sinoboom North America LLC

105 W Riley Road
Houston, Texas 77047
Tel: +1 (800)867-2552
E-mail: sales@sinoboom.us

Australia Subsidiary

Sinoboom Intelligent Equipment Pty Ltd.

32-34 Marni Street
Dandenong South, Vic 3175
E-mail: au@sinoboom.com

Middle East Subsidiary

Sinoboom Middle East FZE

Q4-085 , SAIF-Zone, Sharjah, U.A.E.
E-mail: sales@sinoboom.com

Europe Subsidiary

Sinoboom B.V.

Nikkelstraat 26, NL-2984 AM Ridderkerk,
The Netherlands
E-mail: info@sinoboom.eu

Singapore Subsidiary

Star Access Solutions Pte. Ltd.

E-mail: sales@sinoboom.com

Brazil Subsidiary

SINOBOOM Brasil LTDA

Av. Antonieta Piva Barranqueiros, 62 –
Unidade 1 - Distrito Industrial, Jundiaí - SP
Brazil
E-mail: sales@sinoboom.com

Korea Subsidiary

Sinoboom Korea Co., Ltd.

Tel: 010-8310-8026
E-mail: sales@sinoboom.com

Poland Subsidiary

Sinoboom Poland sp. z o.o.

Ul. Bolesława Krzywoustego 74A, 61-144
Poznan. Poland
61-144 Poznań, Poland