

Parts Manual

Manual No: 503011120202-EN

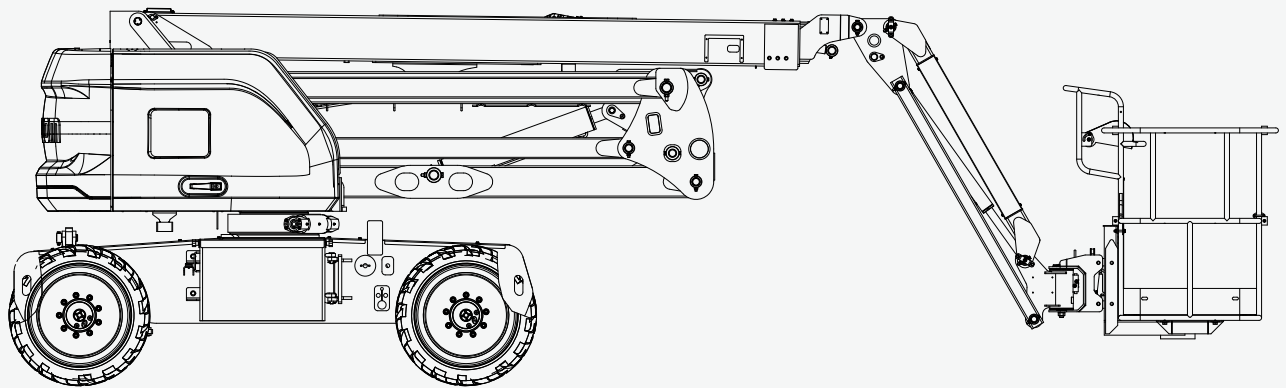
Manual Version: A

December 2025

Translated version

AB16EJ Plus/AB520EJ Plus

From MX0301100100 to present



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 disposal, please comply with local regulations.

SINOBOOM



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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:

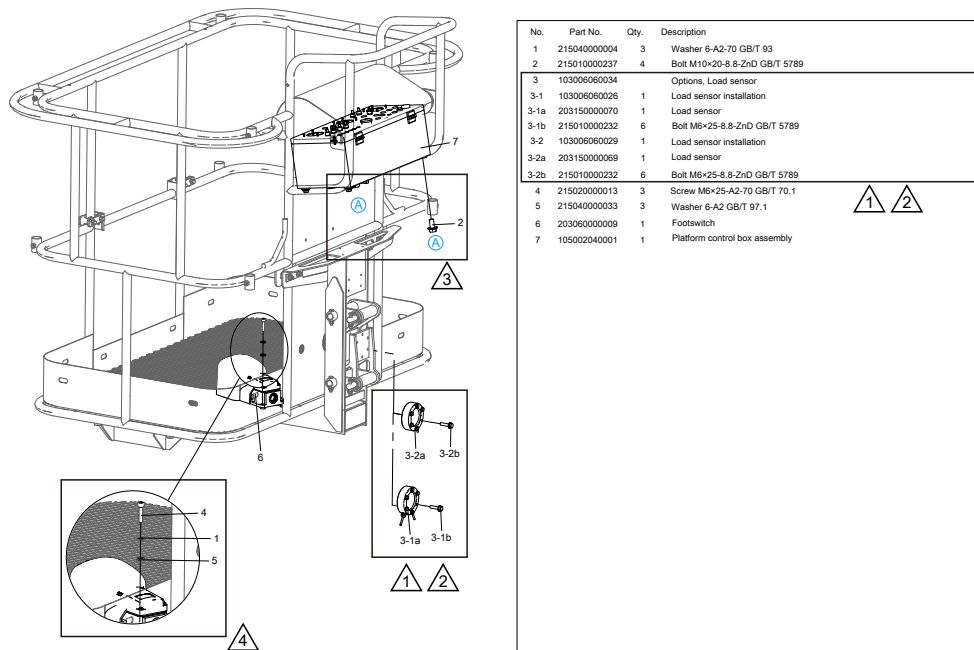
Model	Metric Trade Name	Imperial Trade Name	Serial No.
AB16EJ Plus	AB16EJ Plus	AB520EJ Plus	From MX0301100100 to present

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.
- Prefix-to-manufacturing location correspondence:
 - "PL" prefix: manufactured in Poland
 - "MX" prefix: manufactured in Mexico
 - Absence of the above prefixes: manufactured in China

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.



WARNING

The interchangeability between optional components indicates technical compatibility. However, to ensure optimal equipment performance and safety, Sinoboom exclusively recommends replacing parts with identical original part numbers (PN).

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

SINOBOOM

PN: 20204000XXXX

SN: 6460AB0A

PD: DD/MM/YY

SC: 100XXXX

Nameplate Illustration Sample (MX)

SINOBOOM

PN: 20204000XXXX

SC: 100XXXX

SN: 2026XXXXXXXXXX

PD: XXXXXXXX

MO: M2026XXXXXXXXXX

4.If you require specific spare parts in particular colors, please include the Sinoboom code in your order remarks. The Sinoboom codes corresponding to the standard colors of major spare parts are provided in the table below:

Color Description	Code	Color Description	Code	Color Description	Code
RAL2002	01	RAL5012	04	RAL1028	20
RAL7024	02	RAL9017	07	RAL6012	41

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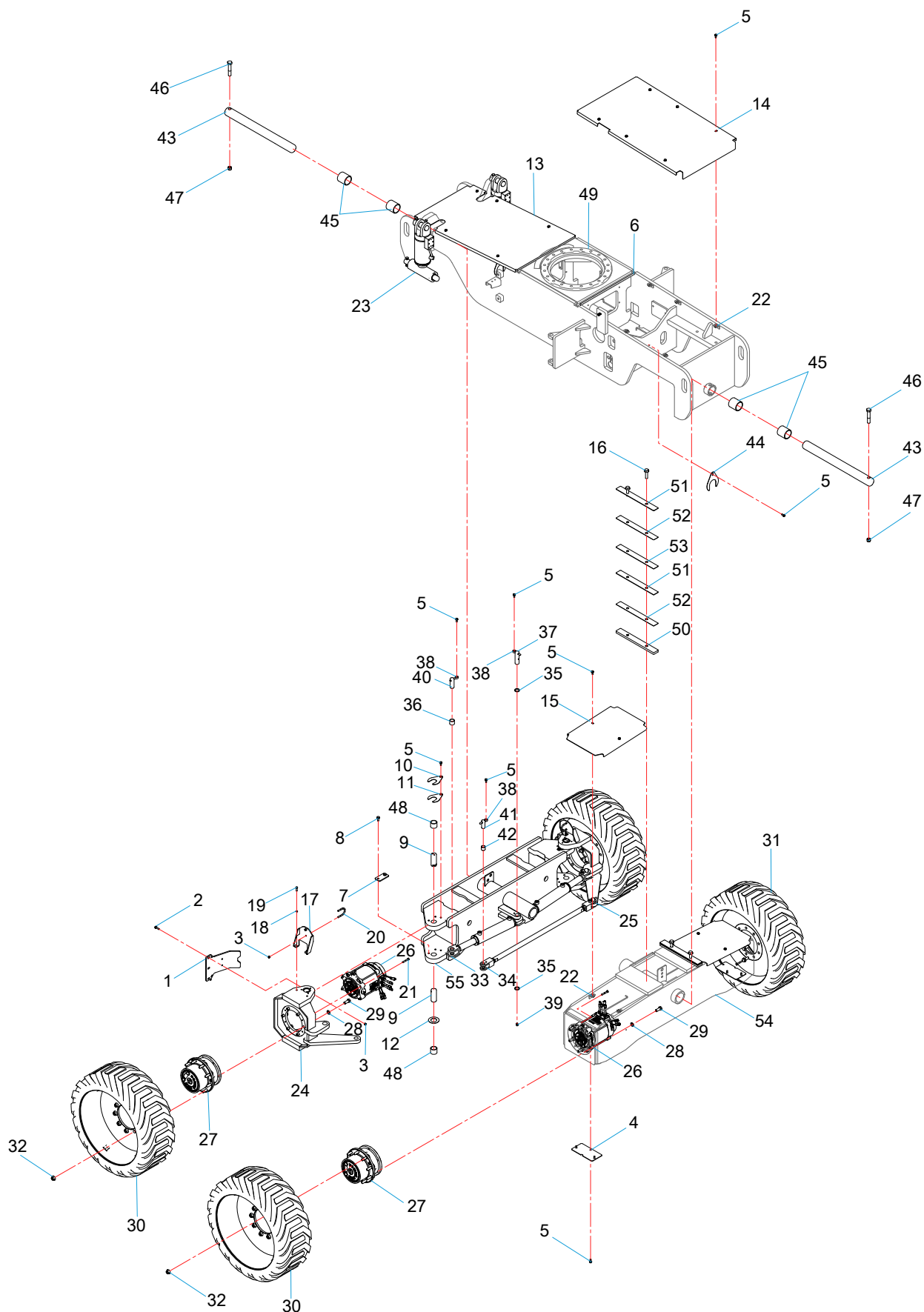
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1 CHASSIS ASSEMBLY

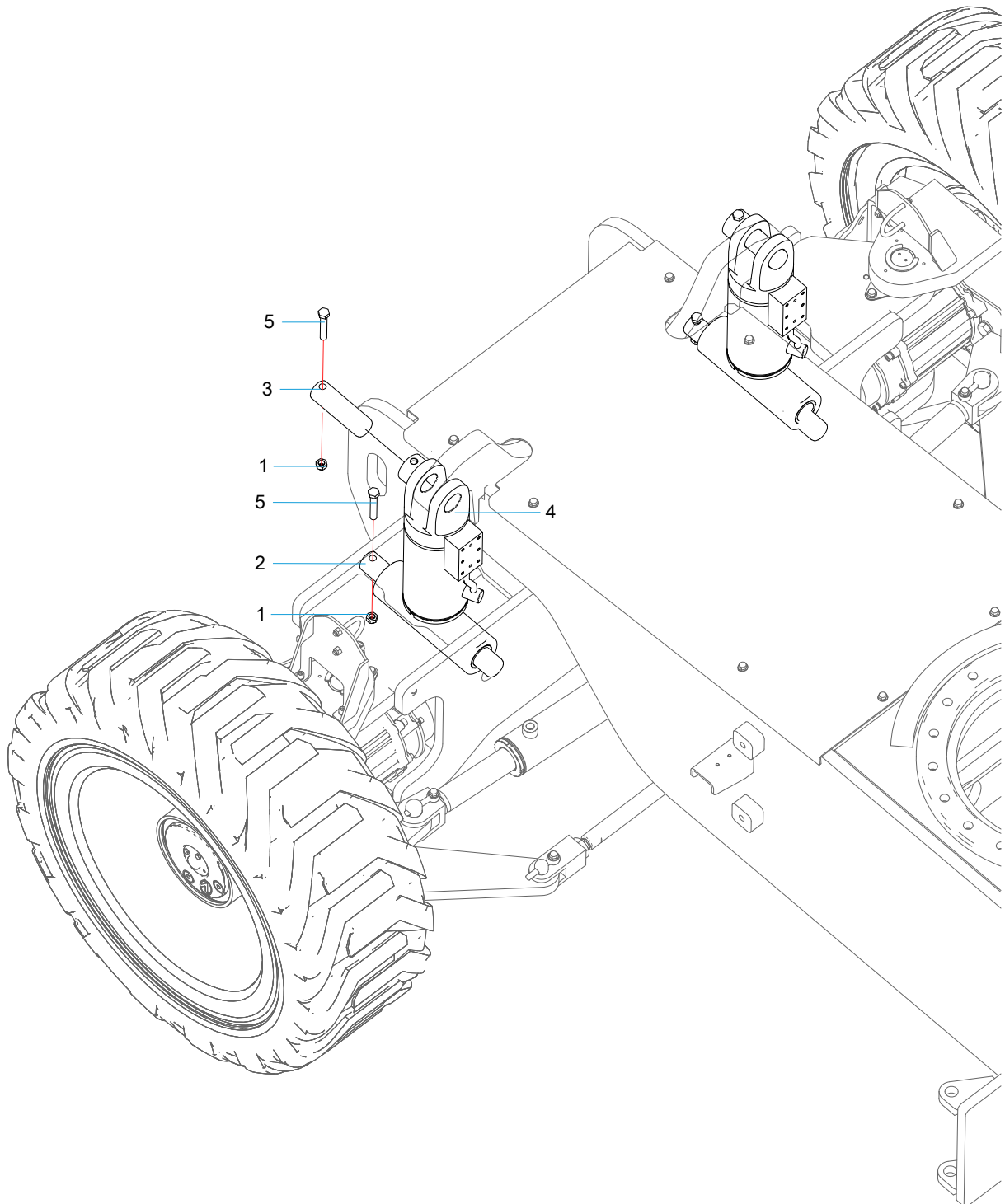
1.1 CHASSIS ASSEMBLY (PN.103011033170)



No.	Part No.	Qty.	Description
1	114015033036	2	Guard Plate
2	215010000236	6	Bolt M8×30-8.8-ZnD GB/T 5789
3	215030000026	10	Nut M8-8-ZnD GB/T889.1
4	103011033074	2	Plate, cover
5	215010000234	32	Bolt M8×20-8.8-ZnD GB/T 5789
6	216030000009	2	Sealing rubber strip
7	103008033055	4	Plate, clamp
8	215010000238	6	Bolt M10×25-8.8-ZnD GB/T 5789
9	103008033056	4	Shaft XGΦ40-100[Z]
10	103008033000	2	Shim
11	103008033001	2	Shim
12	105001030054	2	Washer
13	103011033071	1	Plate, cover
14	103011033062	1	Cover
15	103011033064	2	Plate, cover (small)
16	215010000225	4	Bolt M16×65-10.9-DKL GB/T 5789
17	104021030002	2	Support, pipe
18	215040000005	4	Washer 8-ZnD GB/T 93
19	215020000024	4	Screw M8×25-8.8-ZnD GB/T 70.1
20	104016020023	2	U-clamp
21	215020000036	16	Screw M8×55-10.9-DKL GB/T 70.1
22	215030000106	16	B type spring nuts
23		1	Oscillate Cylinder Installation(See Sec. 1.2 for details)
24	103011033048	1	Plate, steer connection (L) [G]
25	103011033049	1	Tray, Steering connection (R) [G]
26		4	Drive Motor Options
26-1	203010003176	1	ELEC motor, travel (ACIM)
26-1a	203990003259	1	Sensor, temperature
26-1b	203990003295	1	Brake
26-1c	203990003274	1	Sensor, speed
27		4	Drive Reducer Options
27-1	204020003019	1	Drive reducer(See Sec. 1.3 for details)
27-2	204020003111	1	Drive reducer
28	215040000039	24	Washer 16-200HV-ZnD GB/T 97.1
29	215010000111	24	Bolt M16×40-10.9-DKL GB/T 5783
30		2	Left Tire Assembly Options
30-1	104009030020	1	ASSY, tyre (non-marking, L) (Solid Tire (33×12-20))
30-2	104021030010	1	ASSY, tire (NM,L) (Non-Marking Solid Tire (33×12-20))
30-3	105074033025	1	ASSY, tire (foam-filled, NM,L) [Z] (Non-Marking Foam-Filled Tire (33×12D610))
31		2	Right Tire Assembly Options
31-1	104009030013	1	ASSY, tyre (solid, R) (Solid Tire (33×12-20))
31-2	104021030011	1	ASSY, tire (foam-filled, NM, R) (Non-Marking Solid Tire (33×12-20))
31-3	105074033026	1	ASSY, tire (foam-filled, NM, R)[Z] (Non-Marking Foam-Filled Tire (33×12D610))

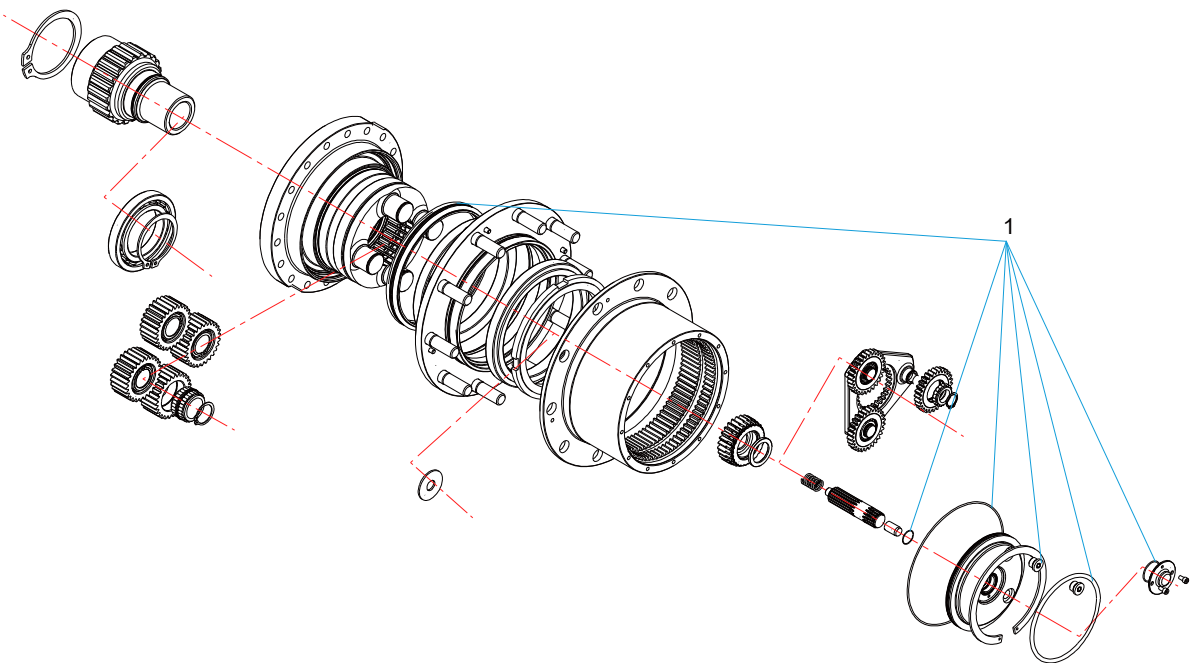
No.	Part No.	Qty.	Description
32	215030000063	36	Nut M16×1.5-10-DKL DTF 6177.2
33	103011053007	2	Cylinder, steer (A)
33a-1	207990003941	1	Seal kit, cylinder (SC: 1000898)
33a-2	207990003541	1	Seal kit, cylinder (SC: 1000026)
33a-3	207990003363	1	Seal kit, cylinder (SC: 1000148)
33a-4	207990004255	1	Seal kit, cylinder (SC: 1000107)
34	103011033060	1	Steer Linkage(See Sec. 1.4 for details)
35	105001030034	4	Bush, spacer
36	214030000006	2	Self-lubricating bearing
37	105001030055	2	Shaft XGΦ30-105 [Z]
38	101012010044	6	Keeper pin
39	207010000004	2	Grease nipple 90° M10×1 GB/T 1153
40	105001030060	2	Shaft XGΦ30-80[Z]
41	104009030049	2	Shaft XGΦ25-65[Z]
42	214030000035	2	Self-lubricating bearing
43	105001030043	2	Shaft XGΦ65-695[Z]
44	114004033006	2	Shim
45	214030000071	4	Bearing, self-lubricating
46	215010000219	2	Bolt M20×110-8.8-ZnD GB/T 5782
47	215030000098	2	Nut M20-8-ZnD GB/T 889.1
48	214030000053	4	Self-lubricating bearing
49	103011033013	1	Chassis [Z]
50	105031030026	2	Plate, backing
51	103008033057	4	Pad, adjusting
52	105031030011	4	Pad, adjusting
53	105031030013	2	Pad, adjusting
54	103011033023	1	Outrigger, rear [Z]
55	103011033029	1	Outrigger, front [Z]

1.2 OSCILLATE CYLINDER INSTALLATION



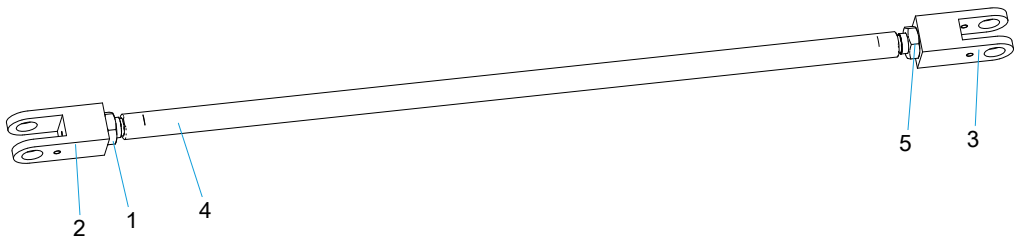
No.	Part No.	Qty.	Description
1	215030000029	4	Nut M12-8-ZnD GB/T 6184
2	103008030060	2	Shaft XGΦ40-340[Z]
3	104008030005	2	Shaft XGΦ40-125[Z]
4	105001030077	2	Cylinder, support (C)
4a-1	207990003892	1	Seal kit, cylinder (SC: 1000898)
4a-2	207990003335	1	Seal kit, cylinder (SC: 1000026)
4a-3	207990004253	1	Seal kit, cylinder (SC: 1000857)
5	215010000106	4	Bolt M12×70-8.8-ZnD GB/T 5783

1.3 DRIVE REDUCER (PN.204020003019)



No.	Part No.	Qty.	Description
1	207040003136	1	Seal kit

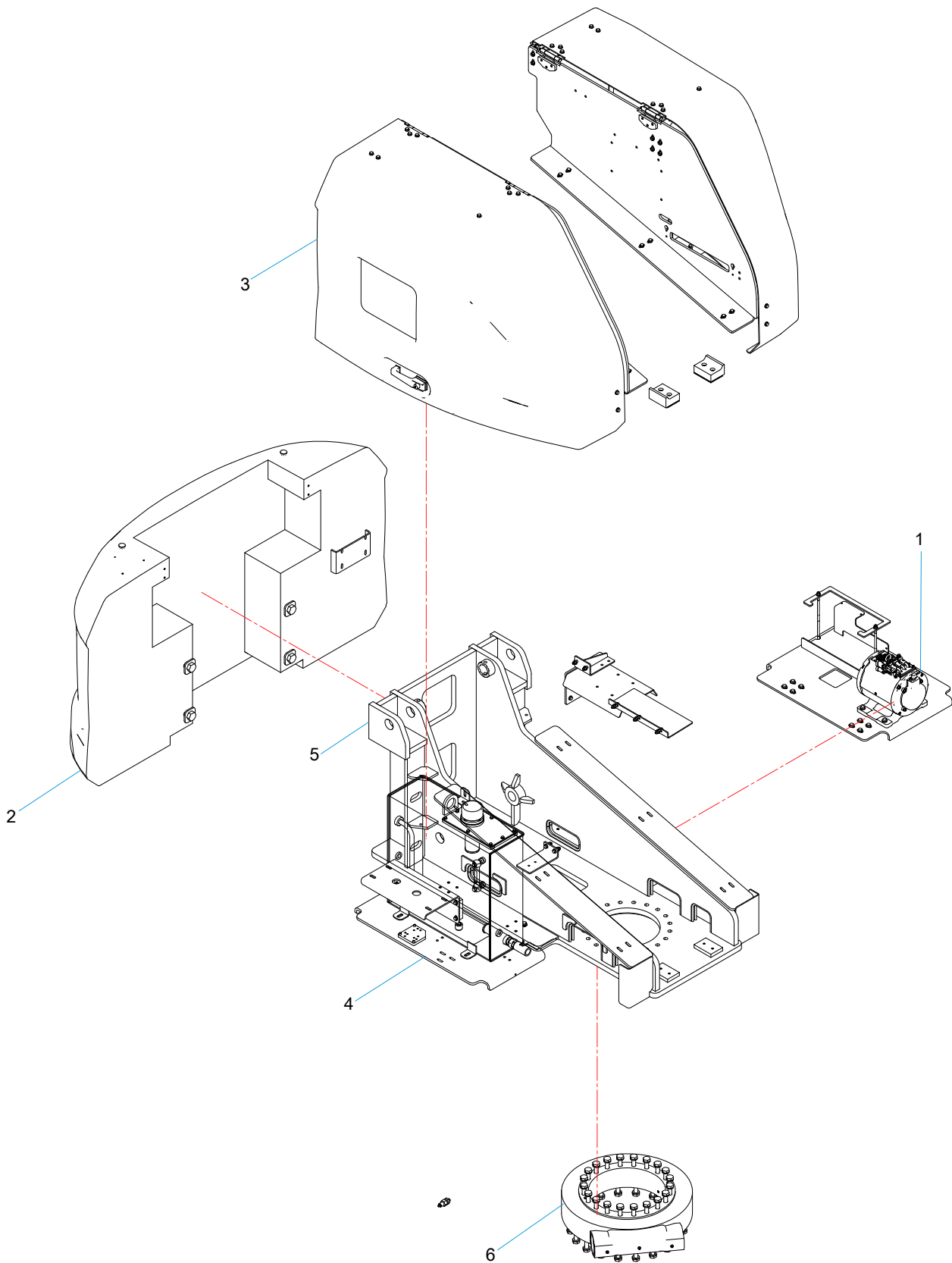
1.4 STEER LINKAGE (PN.103011033060)



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

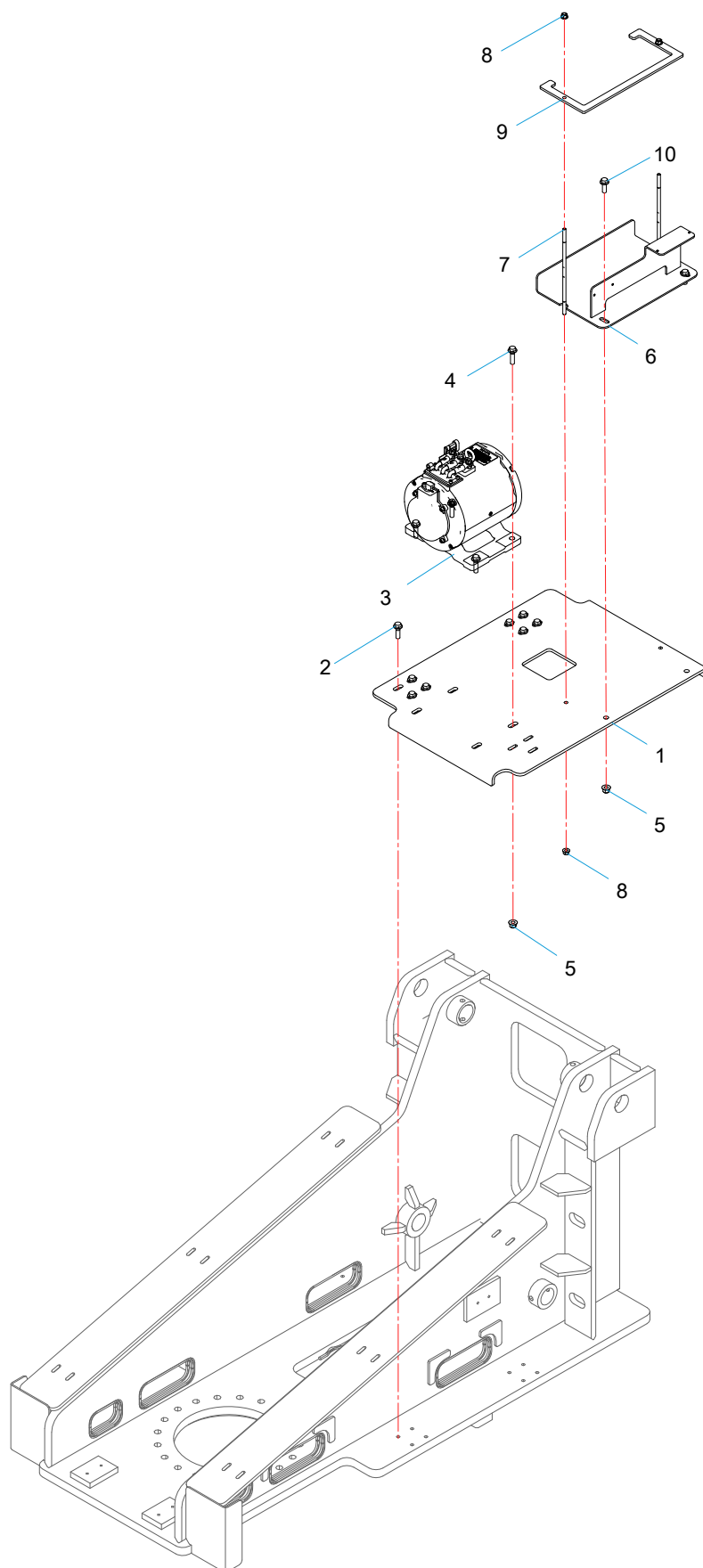
2 TURNTABLE ASSEMBLY

2.1 TURNTABLE ASSEMBLY (PN.103011023120)



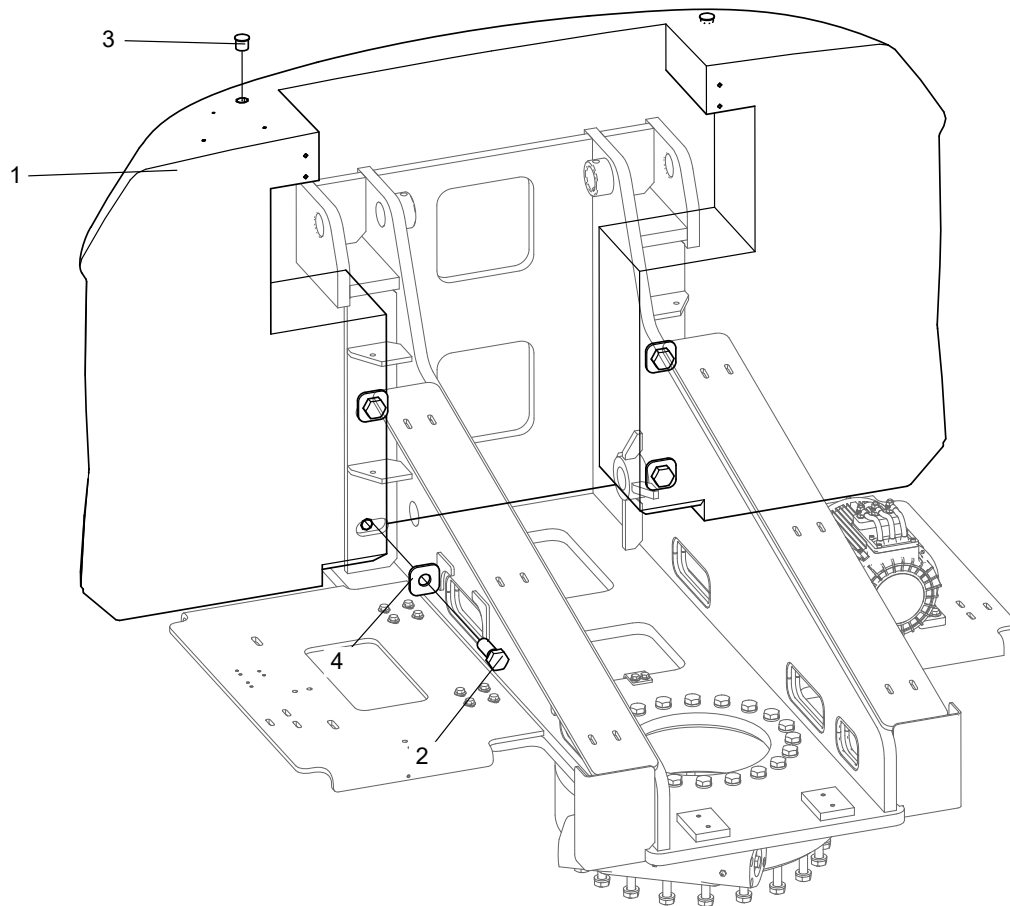
No.	Part No.	Qty.	Description
1	103011033168	1	Motor Installation Assembly(See Sec. 2.2 for details)
2		1	Counterweight and Assembly(See Sec. 2.3 for details)
3		1	Turntable Cover Installation(See Sec. 2.4 for details)
4		1	Accessory Installation(See Sec. 2.5 for details)
5	103011023017	1	Turntable structure [Z]
6		1	Slewing Mechanism(See Sec. 2.6 for details)

2.2 MOTOR INSTALLATION ASSEMBLY (PN.103011033168)



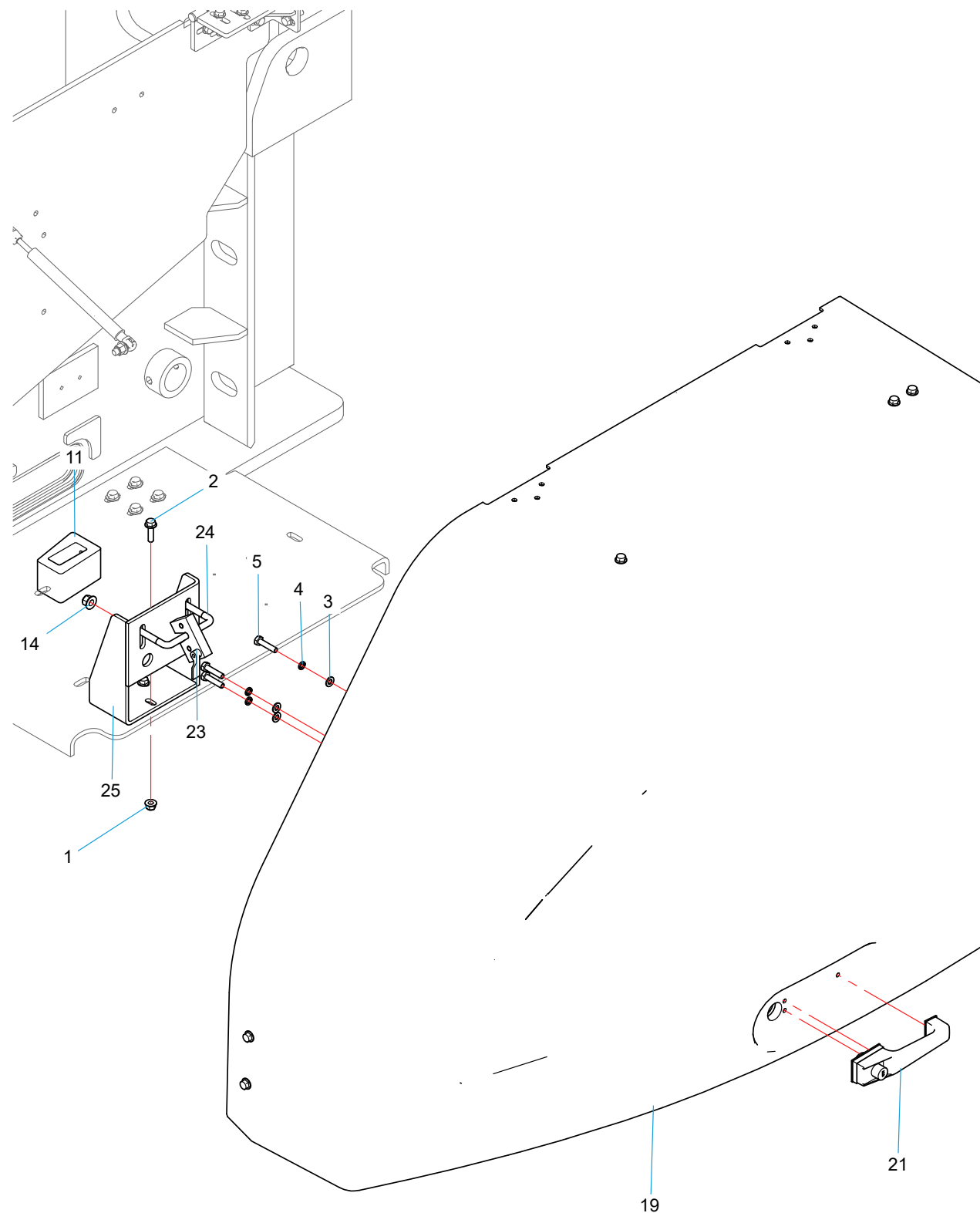
No.	Part No.	Qty.	Description
1	103011023069	1	Plate, folded
2	215010000248	8	Bolt M10x35-8.8 ZnD GB/T 5789
3		1	Drive Motor Options
3-1	203010003172	1	ELEC motor (pump, AC ASYNCH)
3-1a	203150003029	1	Sensor, temperature
3-1b	203150003030	1	Sensor, speed
4	215010000240	4	Bolt M10×40-8.8-ZnD GB/T 5789
5	215030000109	6	Nut M10-8-ZnD GB/T 6183.1
6	114004023011	1	Bracket
7	103008023013	2	Rod, tie
8	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
9	103008023012	1	plate
10	215010000239	2	Bolt M10×30-8.8-ZnD GB/T 5789

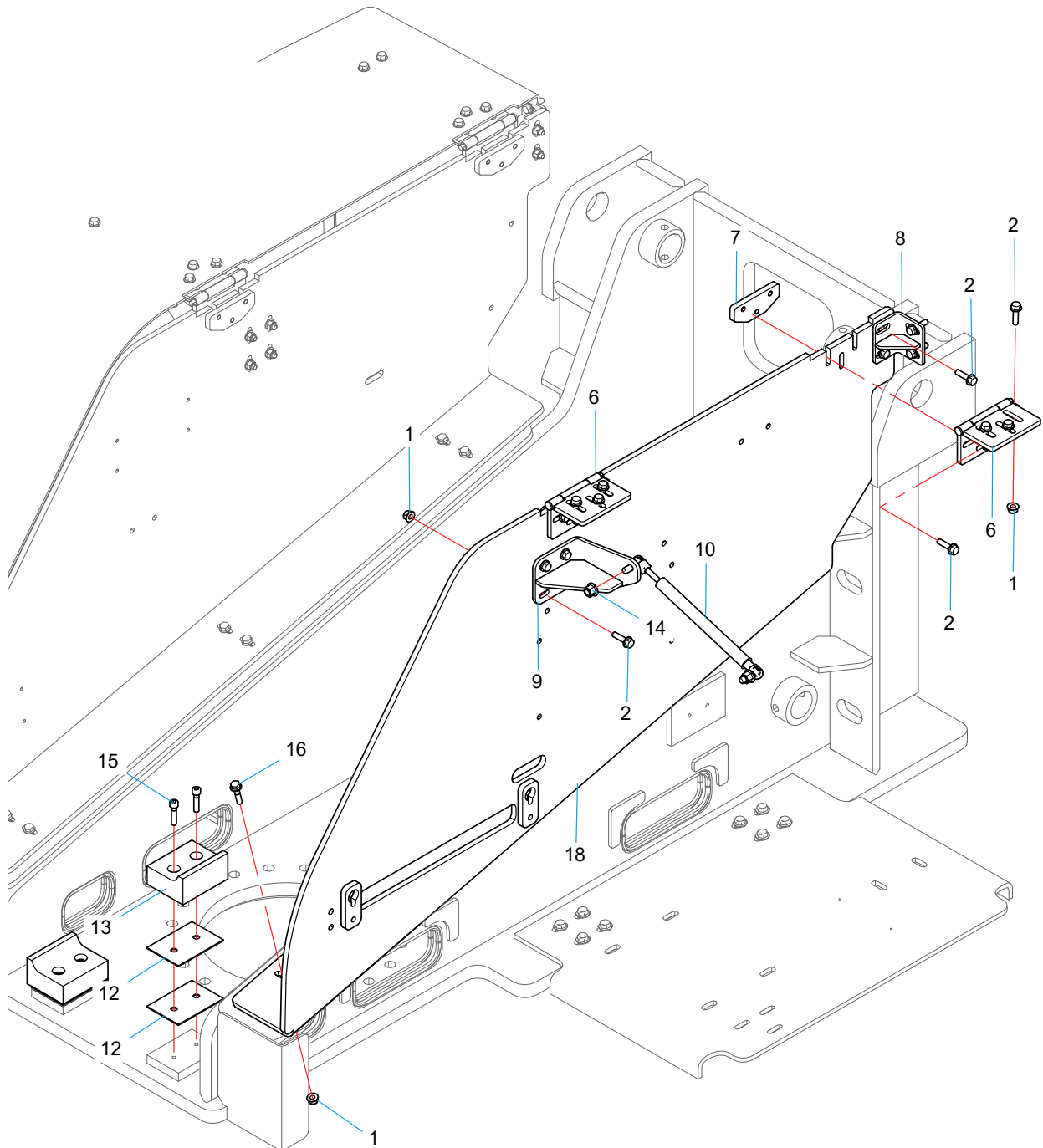
2.3 COUNTERWEIGHT AND ASSEMBLY

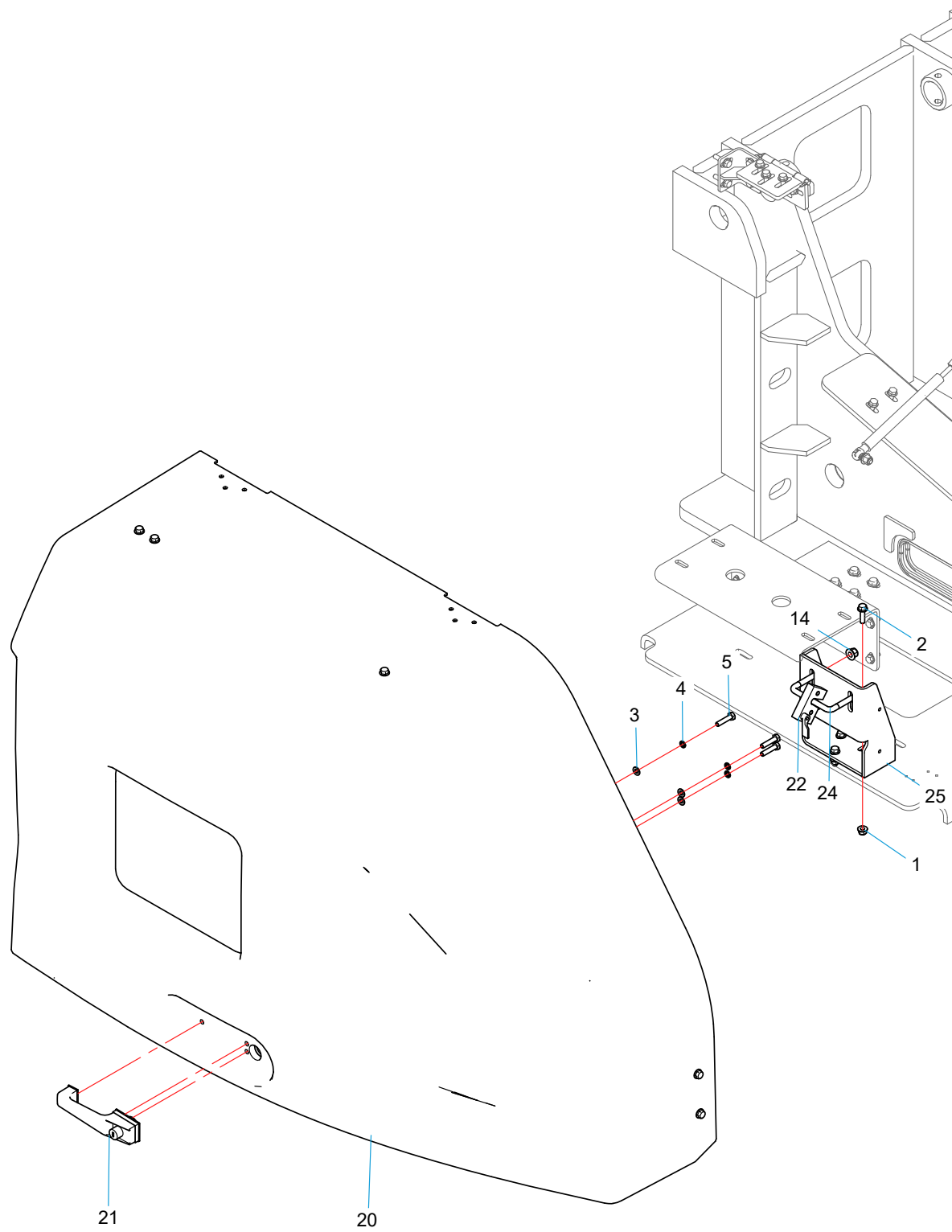


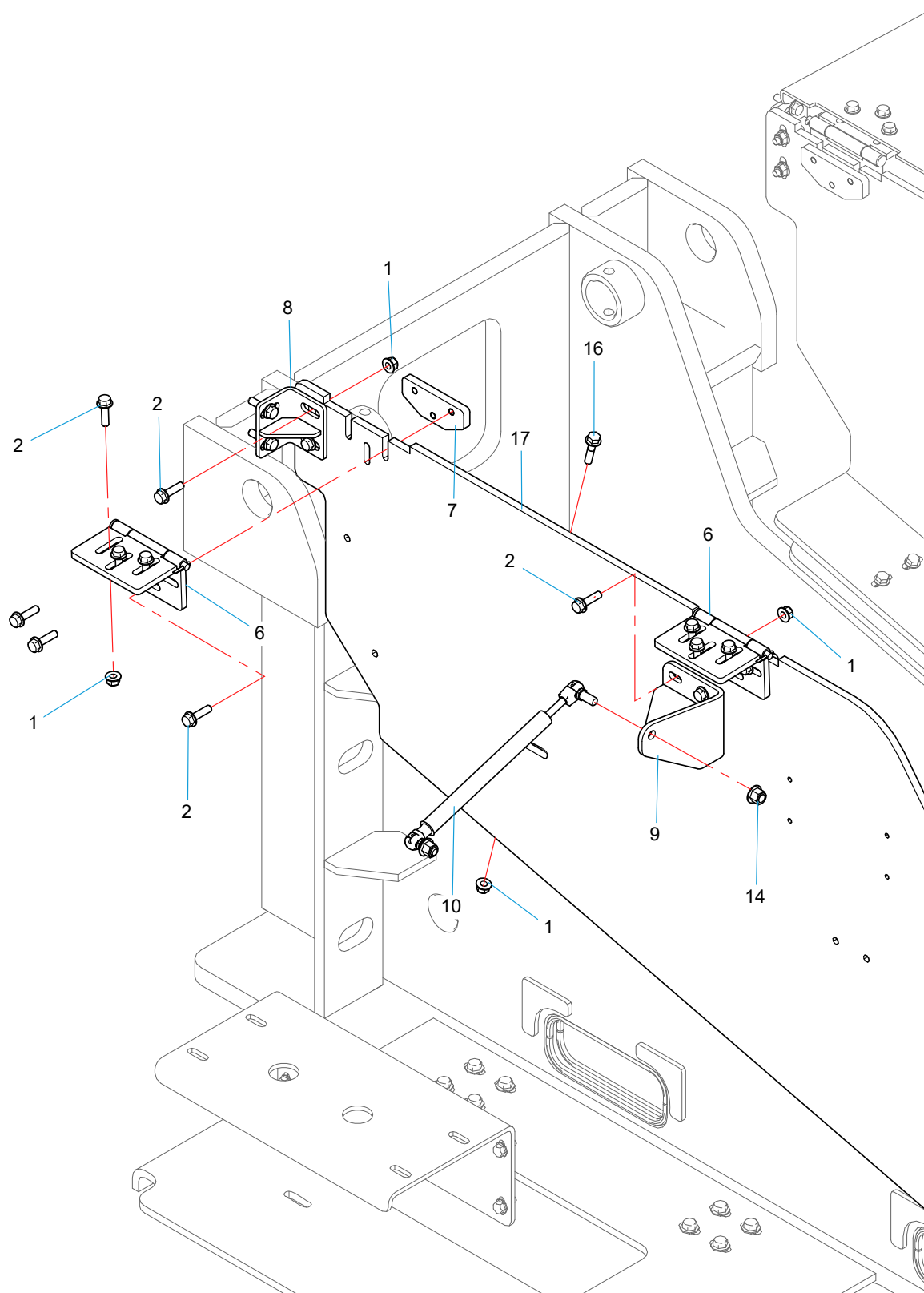
No.	Part No.	Qty.	Description
1	103011023011	1	Counterweight [Z]
2	215010000164	4	Bolt M24×70-8.8-ZnD GB/T 5783
3	213060003001	2	Hole plug
4	105001020138	4	Pad

2.4 TURNTABLE COVER INSTALLATION



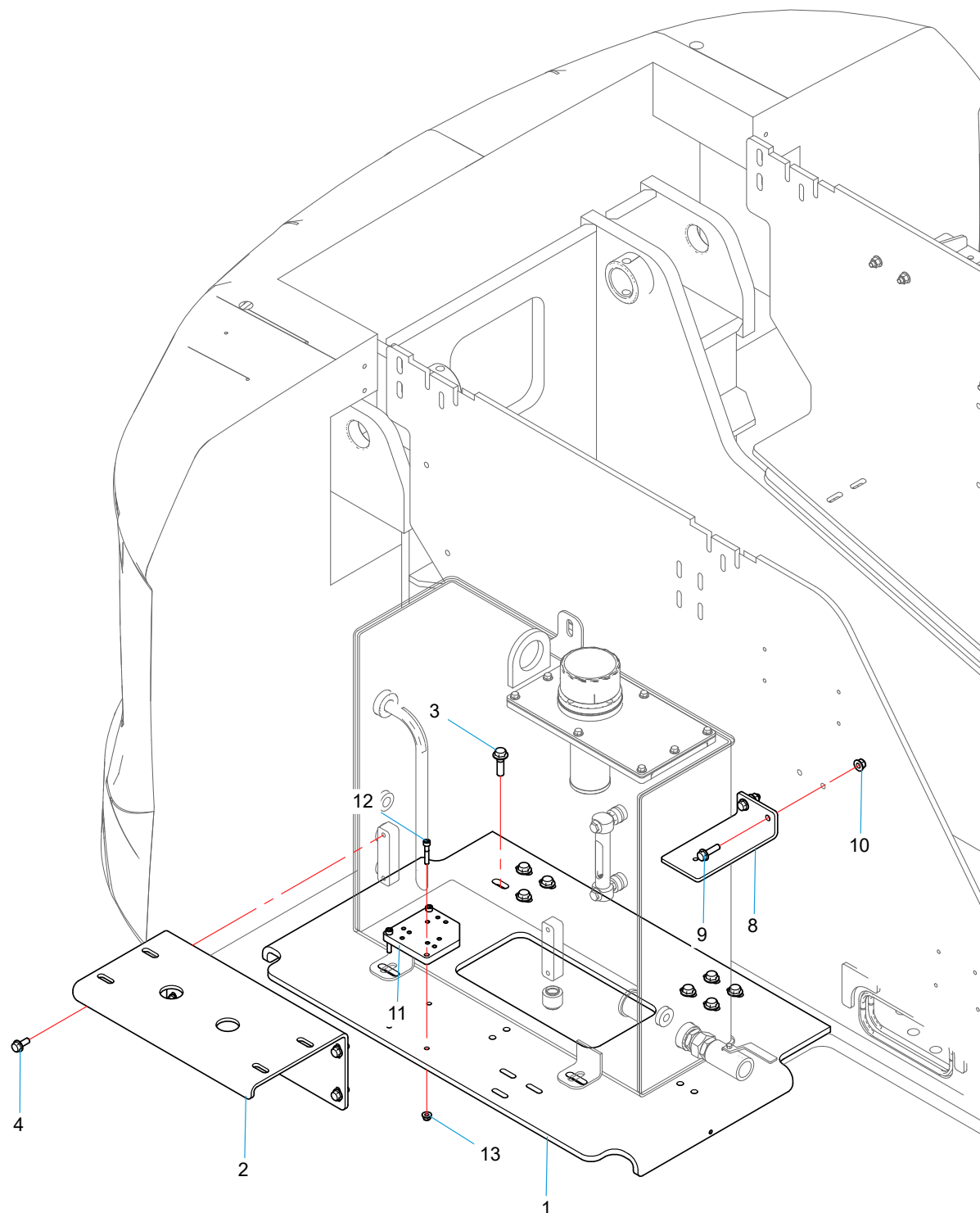


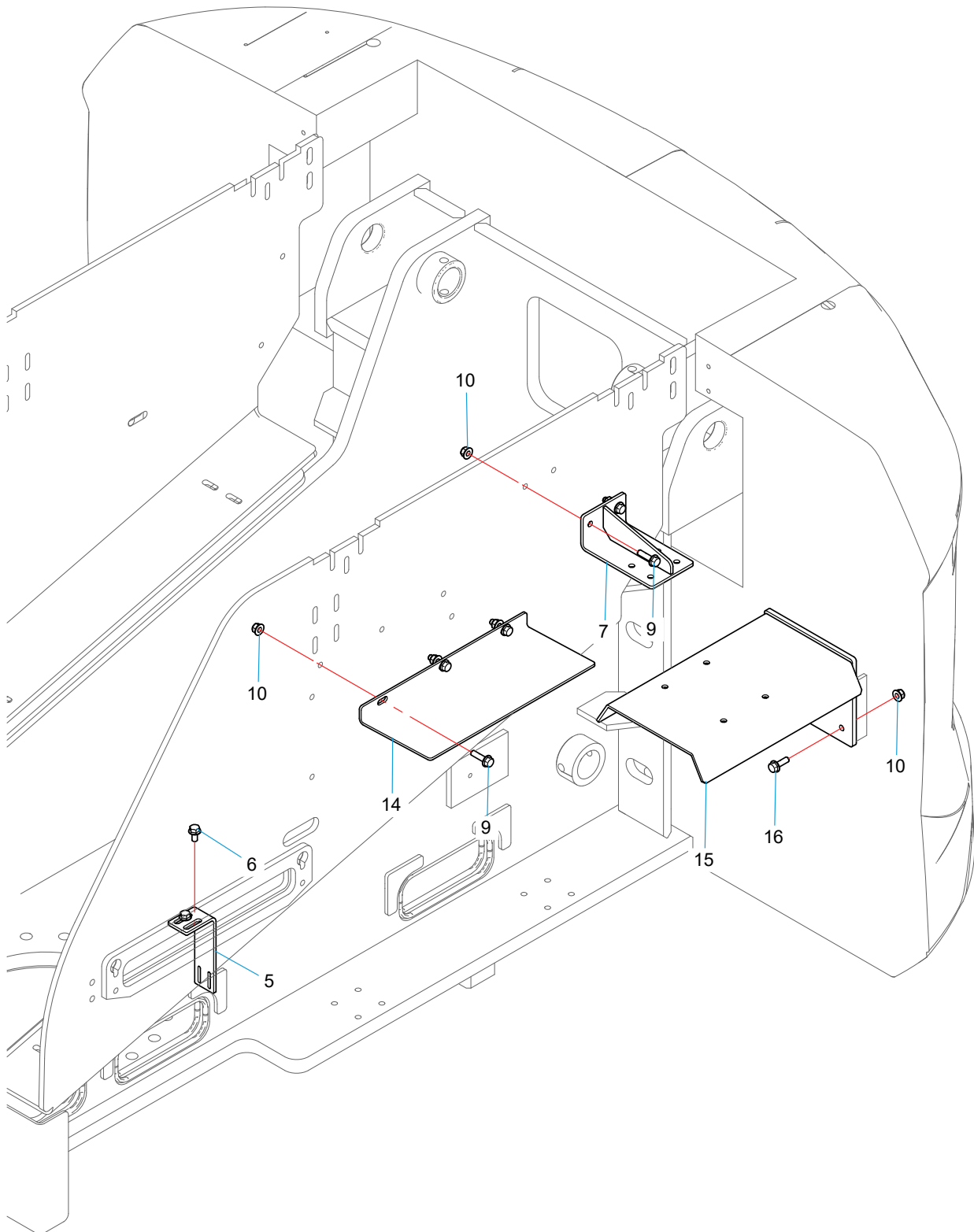




No.	Part No.	Qty.	Description
1	215030000108	42	Nut M8-8-ZnD GB/T 6183.1
2	215010000236	46	Bolt M8×30-8.8-ZnD GB/T 5789
3	215040000034	6	Washer 8-200HV-ZnD GB/T 97.1
4	215040000005	6	Washer 8-ZnD GB/T 93
5	215010000060	6	Bolt M8×35-8.8-ZnD GB/T 5783
6	105001020118	4	Hinge
7	105021020162	4	Mounting Plate
8	103003020029	2	Plate, connecting
9	104021020031	2	Bracket, gas strut (L)
10	210010000098	2	Gas strut
11	104009020079	1	block
12	103011023039	4	Plate, backing
13	103011013507	2	Pad
14	215030000109	8	Nut M10-8-ZnD GB/T 6183.1
15	215020000026	4	Screw M8×35-8.8-ZnD GB/T 70.1
16	215010000296	12	Bolt M8×35-8.8 ZnD GB/T 5789
17	103011023009	1	Plate, folded (L)
18	103011023076	1	Plate WELD, folded (R)
19	103011023057	1	ASSY, cover (turntable, R)
20	103011023051	1	ASSY, cover (turntable, L)
21	209030000009	2	Lock handle
22	209050000003	1	Latch, left
23	209050000002	1	Latch, right
24	105021020163	2	U-bolt
25	105026023019	2	Bracket

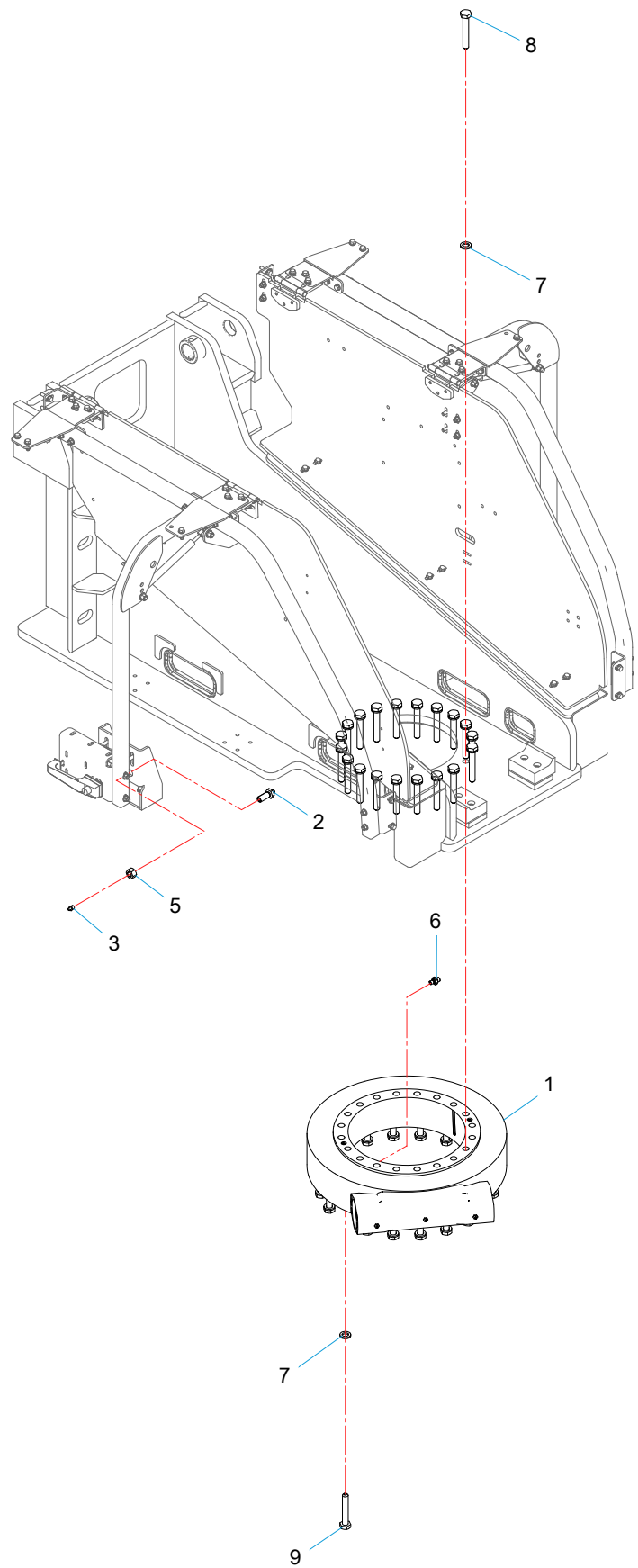
2.5 ACCESSORY INSTALLATION





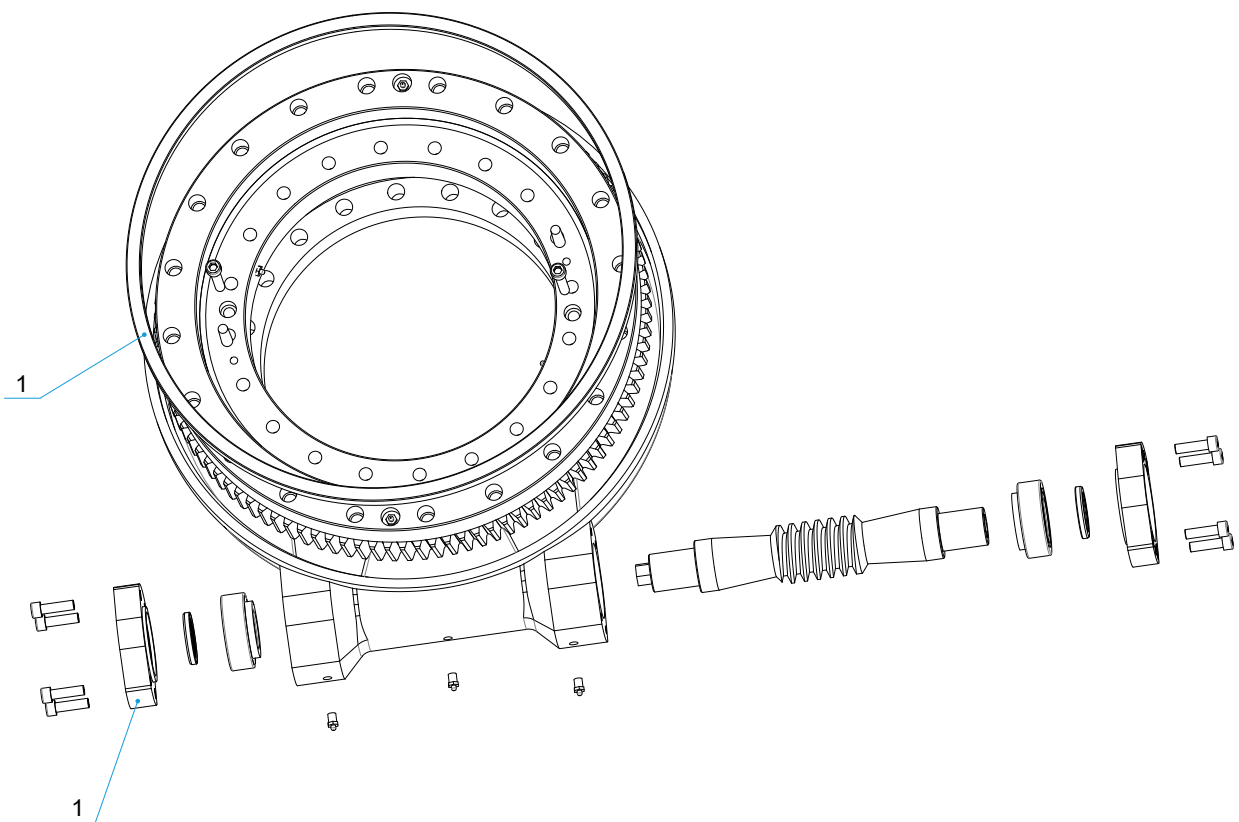
No.	Part No.	Qty.	Description
1	103011023027	1	Plate, folded
2	103009023087	1	Bracket
3	215010000248	8	Bolt M10x35-8.8 ZnD GB/T 5789
4	215010000234	4	Bolt M8×20-8.8-ZnD GB/T 5789
5	103010023042	1	Plate, folded
6	215010000286	2	Bolt M8×16-8.8-ZnD GB/T 5789
7	103007023002	1	Bracket, filter
8	103004053000	1	Plate, folded
9	215010000236	7	Bolt M8×30-8.8-ZnD GB/T 5789
10	215030000108	11	Nut M8-8-ZnD GB/T 6183.1
11	105074023184	1	Plate
12	215020000015	3	Screw M6×35-A2-70 GB/T 70.1
13	215030000107	3	Nut M6-A2-70 GB/T 6183.1
14	103011023059	1	Plate, folded
15	105001020254	1	Bracket
16	215010000235	4	Bolt M8×25-8.8-ZnD GB/T 5789

2.6 SLEWING MECHANISM



No.	Part No.	Qty.	Description
1		1	OPT, reducer (slewing)
1-1	204020000015	1	Slewing Reducer (See Sec. 2.7 for details)
2	105001020225	1	Fitting
3	207010000003	1	Grease nipple M10×1 GB/T 1152
4	213050000088	1	Hose (Not shown)
5	215030000010	1	Nut M16-8-ZnD GB/T 6170
6	213010000060	1	Coupler
7	215040000052	40	Washer 16-DKL GB/T 1230
8	215010000153	20	Bolt M16×110-10.9-DKL GB/T 1228
9	215010000152	20	Bolt M16×100-10.9-DKL GB/T 1228
10	305140000001	1	Threadlocker, Locktite (Not shown)

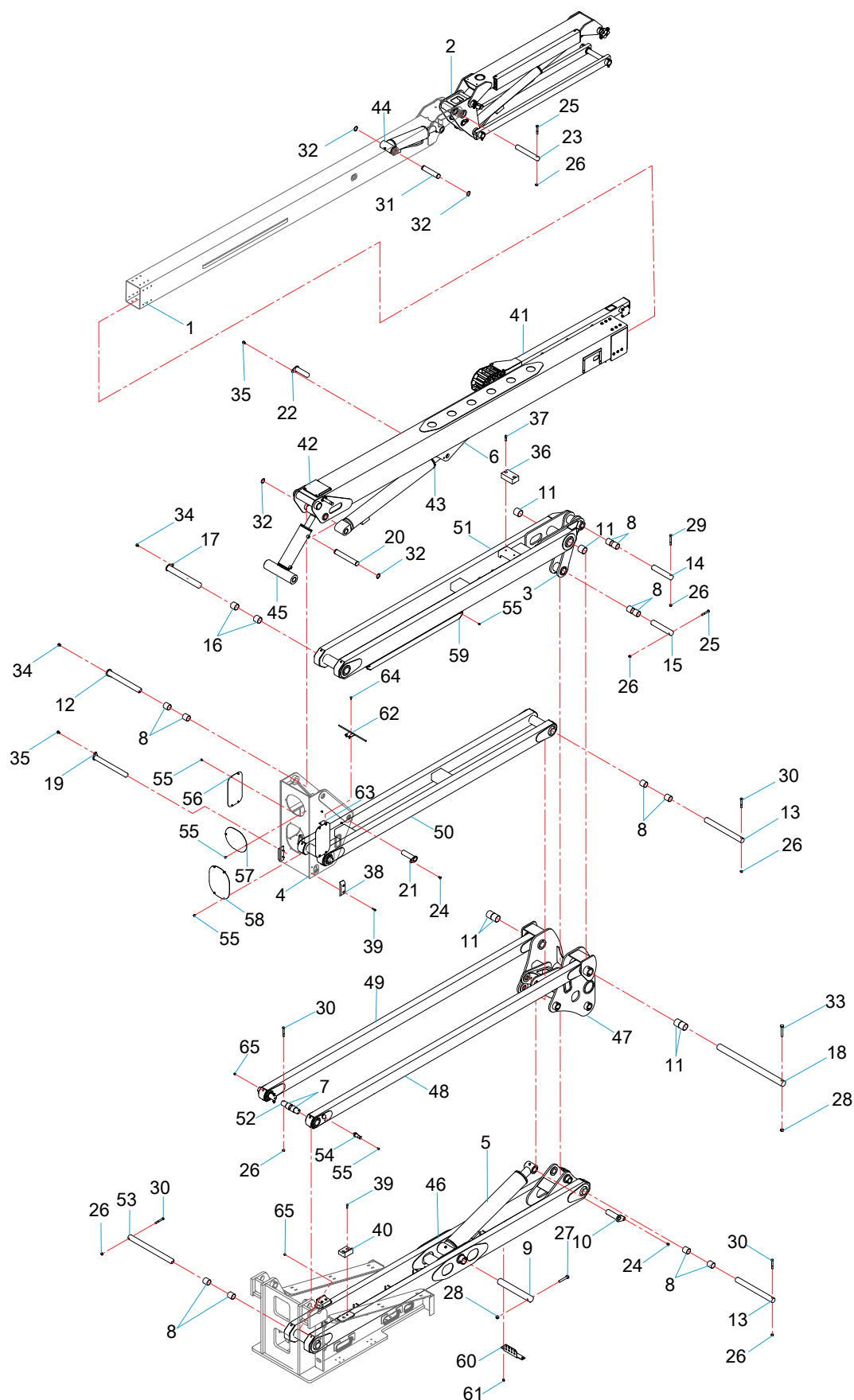
2.7 SLEWING REDUCER (PN.204020000015)



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

3 BOOM ASSEMBLY

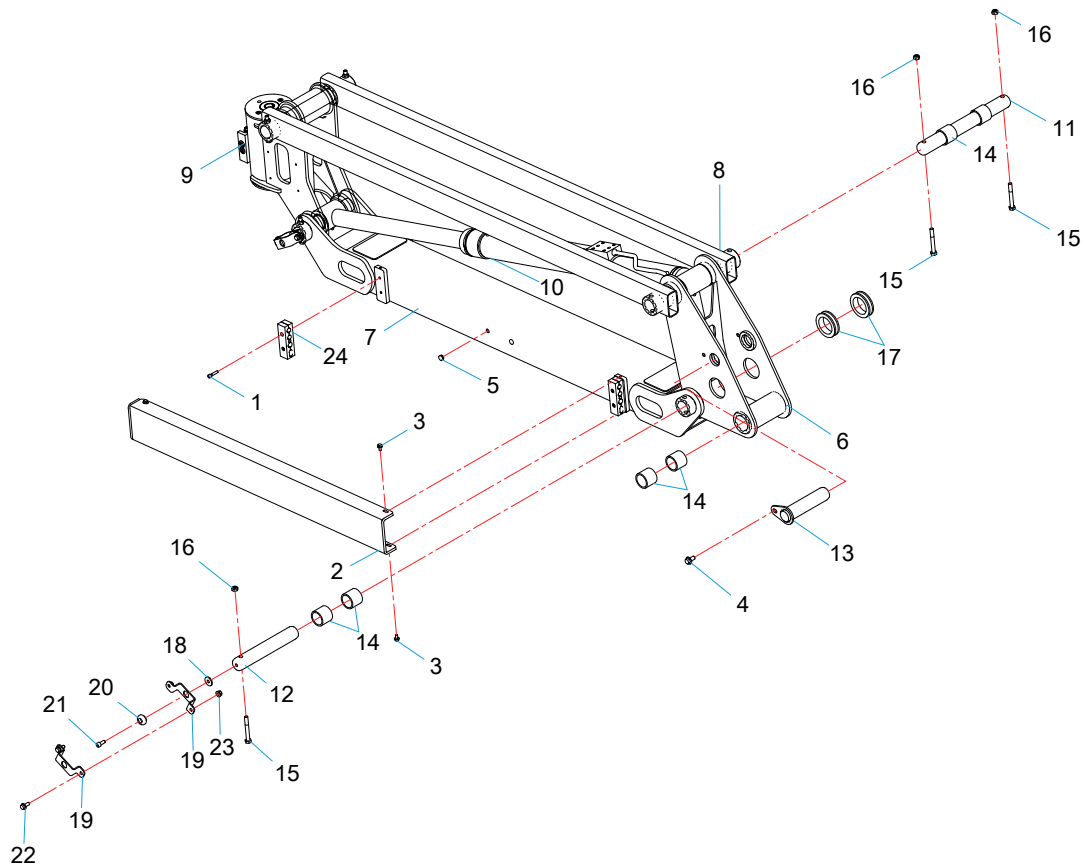
3.1 BOOM ASSEMBLY (PN.103011013726)



No.	Part No.	Qty.	Description
1	103011013600	1	Tele-boom[Z]
2	103011013727	1	Jib Boom Assembly(See Sec. 3.2 for details)
3	103011013382	1	Rod, tie[Z]
4	103011013362	1	Upright, upper[Z]
5	103011053004	1	Cylinder, lift (tower boom) (A)
5a-1	207990003360	1	Seal kit, cylinder (SC:1000148)
5a-2	207990003538	1	Seal kit, cylinder (SC:1000026)
5a-3	207990004292	1	Seal kit, cylinder (SC:1000857)
6	103011013581	1	Main boom[Z]
7	214030000092	4	Self-lubricating bearing 45×53×40
8	214030000027	14	Self-lubricating bushing 45×53×50
9	103011013494	1	Shaft XGΦ55-405[Z]
10	103011013548	1	Shaft WELD Φ45-145[Z]
11	214030003010	6	Self-lubricating bushing 55×63×55
12	103011013543	2	Shaft WELD Φ45-395[Z]
13	103011013511	2	Shaft XGΦ45-465[Z]
14	103011013496	1	Shaft XGΦ45-235[Z]
15	104009010182	1	Shaft XGΦ45-246
16	214030000067	2	Self-lubricating bushing 50×58×50
17	103011013498	1	Shaft WELD Φ50-395[Z]
18	103011013502	1	Shaft XGΦ55-820[Z]
19	103011013499	1	Shaft WELD Φ40-395[Z]
20	103011013525	1	Shaft XGΦ40-280[Z]
21	103011013510	1	Shaft WELD Φ40-150[Z]
22	103011013549	1	Shaft WELD Φ40-145[Z]
23	105001010158	1	Shaft XGΦ40-275[Z]
24	215020000274	2	Screw M10×20-8.8-ZnD GB/T 70.3
25	215010000015	2	Bolt M12×80-8.8-ZnD GB/T 5782
26	215030000029	8	Nut M12-8-ZnD GB/T 6184
27	215010000152	1	Bolt M16×100-10.9-DKL GB/T 1228
28	215030000031	2	Nut M16-8-ZnD GB/T 6184
29	215010000017	1	Bolt M12×100-8.8-ZnD GB/T 5782
30	215010000016	5	Bolt M12×90-8.8-ZnD GB/T 5782
31	104022010020	1	Shaft XGΦ40-200[Z]
32	215040000097	4	Ring, retaining 40-DKL JB/ZQ 4342
33	215010000153	1	Bolt M16×110-10.9-DKL GB/T 1228
34	215010000245	2	Bolt M10×16-8.8-ZnD GB/T 5789
35	215010000237	3	Bolt M10×20-8.8-ZnD GB/T 5789
36	103011013497	1	Pad
37	215020000055	2	Screw M10×45-8.8-ZnD GB/T 70.1
38	103011013500	2	Plate, baffle
39	215020000025	8	Screw M8×30-8.8-ZnD GB/T 70.1

No.	Part No.	Qty.	Description
40	103011013507	2	Pad
41		1	Cable Track Installation(See Sec. 3.3 for details)
42		1	Base Boom Installation(See Sec. 3.4 for details)
43	103011053003	1	Cylinder, main lift (A)
43a-1	207990003359	1	Seal kit, cylinder (1000148)
43a-2	207990003537	1	Seal kit, cylinder (1000026)
43a-3	207990004291	1	Seal kit, cylinder (1000857)
44	103011053005	1	Cylinder, level (upper) (A)
44a-1	207990003361	1	Seal kit, cylinder (SC: 1000148)
44a-2	207990003539	1	Seal kit, cylinder (SC: 1000026)
44a-3	207990004293	1	Seal kit, cylinder (SC: 1000857)
45	103011053006	1	Cylinder, level (lower) (A)
45a-1	207990004185	1	Seal kit, cylinder (1000148)
45a-2	207990004184	1	Seal kit, cylinder (1000026)
45a-3	207990004294	1	Seal kit, cylinder (1000857)
46	103011013400	1	Tower boom, lower[Z]
47	103011013417	1	Upright, lower[Z]
48	103011013540	1	Link, lower, left side[Z]
49	103011013350	1	Link[Z]
50	103011013366	1	Link, upper[Z]
51	103011013427	1	Tower boom, upper[Z]
52	103011013537	2	Shaft XGΦ45-200[Z]
53	107006010109	1	Shaft Φ45-546[Z]
54	103011013652	1	Bracket
55	215010000281	24	Bolt M6×12-8.8-ZnD GB/T 5789
56	103011013618	2	Plate
57	103011013619	1	Plate
58	103011013620	1	Plate
59	103011013663	2	Cover, protective
60	103011013636	1	Plate, mounting
61	215010000233	2	Bolt M8×12-8.8-ZnD GB/T 5789
62	103011013697	1	Wire holder
63	103011013699	1	Plate
64	215010000231	3	Bolt M6×20-8.8-ZnD GB/T 5789
65	101014043005	32	Rubber choke plug

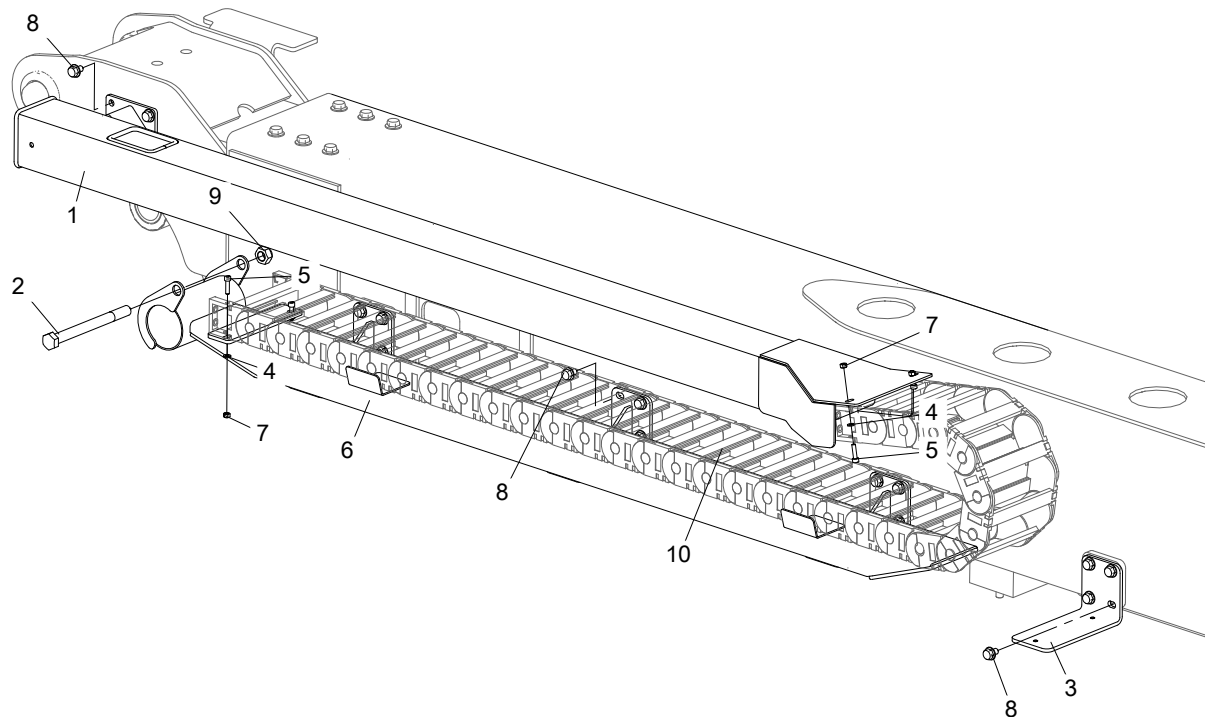
3.2 JIB BOOM ASSEMBLY (PN.103011013727)



No.	Part No.	Qty.	Description
1	215020000014	4	Screw M6×30-A2-70 GB/T 70.1
2	105071013732	1	Hose cover
3	215010000281	4	Bolt M6×12-8.8-ZnD GB/T 5789
4	215010000237	1	Bolt M10×20-8.8-ZnD GB/T 5789
5	101014043005	4	Rubber choke plug
6	103011013531	1	Pivot
7	105054010001	1	Boom, extending [Z]
8	105070013043	2	Level arm
9		1	Swing Motor Options
9-1	202020003045	1	Swing cylinder (A)
9-1a-1	207990003407	1	Seal kit, cylinde
10	105068053120	1	Cylinder , jib (A)
10a	207990004194	1	Seal kit, cylinder
11	105026013277	2	Shaft XGΦ40-355
12	105026013276	2	Shaft XGΦ40-240
13	105026013279	1	Weldment shaftΦ40-240
14	214030000053	6	Self-lubricating bearing
15	215010000012	6	Bolt M10×80-8.8-ZnD GB/T 5782
16	215030000027	6	Nut M10-8-ZnD GB/T 6184

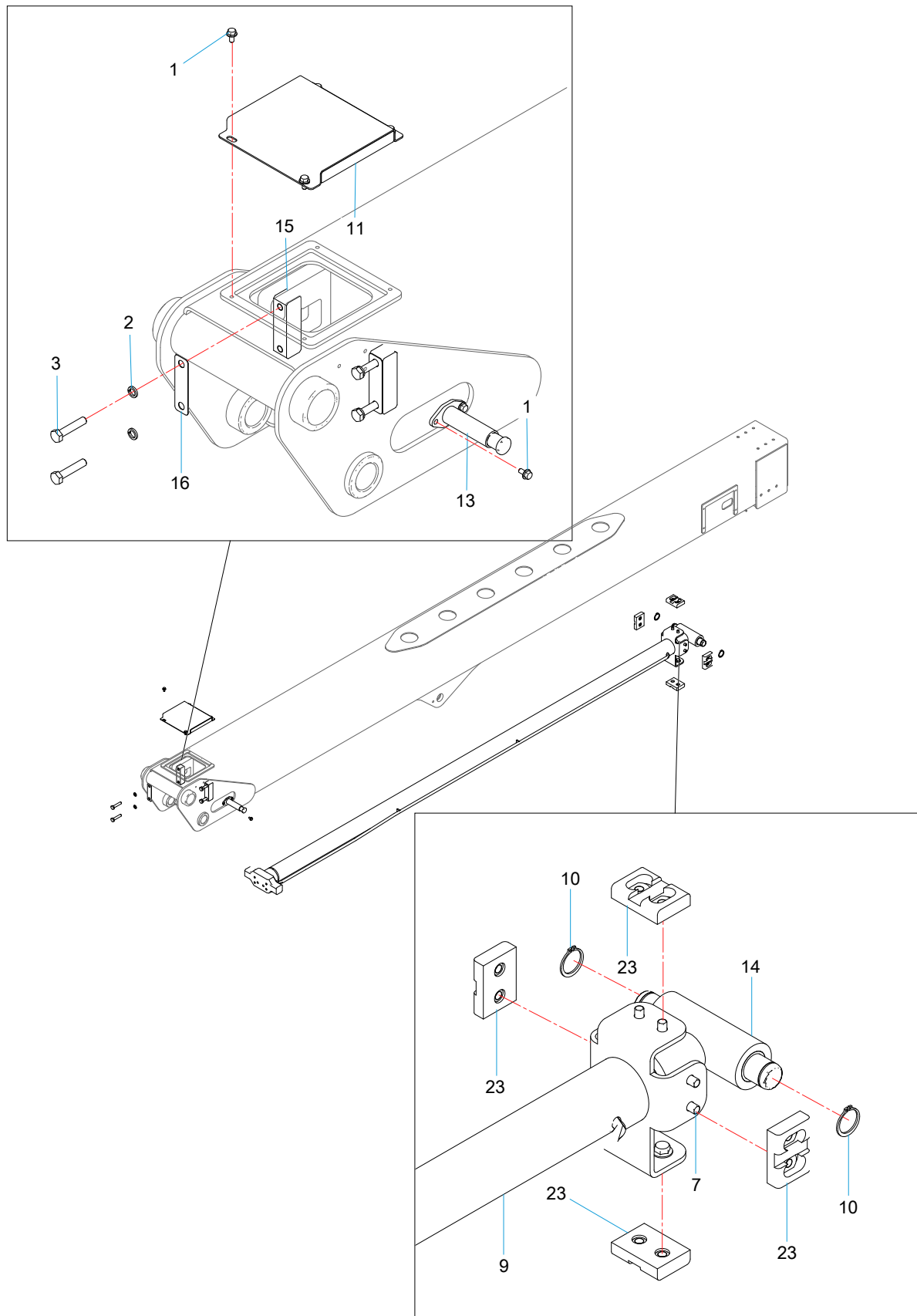
No.	Part No.	Qty.	Description
17	102004030845	2	Rubber grommet
18	215040000103	2	Washer 8-100HV-ZnD GB/T 5287
19	112001013051	4	Folded Plate
20	112001013052	2	Block, nylon
21	215020000023	2	Screw M8×20-8.8-ZnD GB/T 70.1
22	215010000234	4	Bolt M8×20-8.8-ZnD GB/T 5789
23	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
24	105050013079	2	Clamp

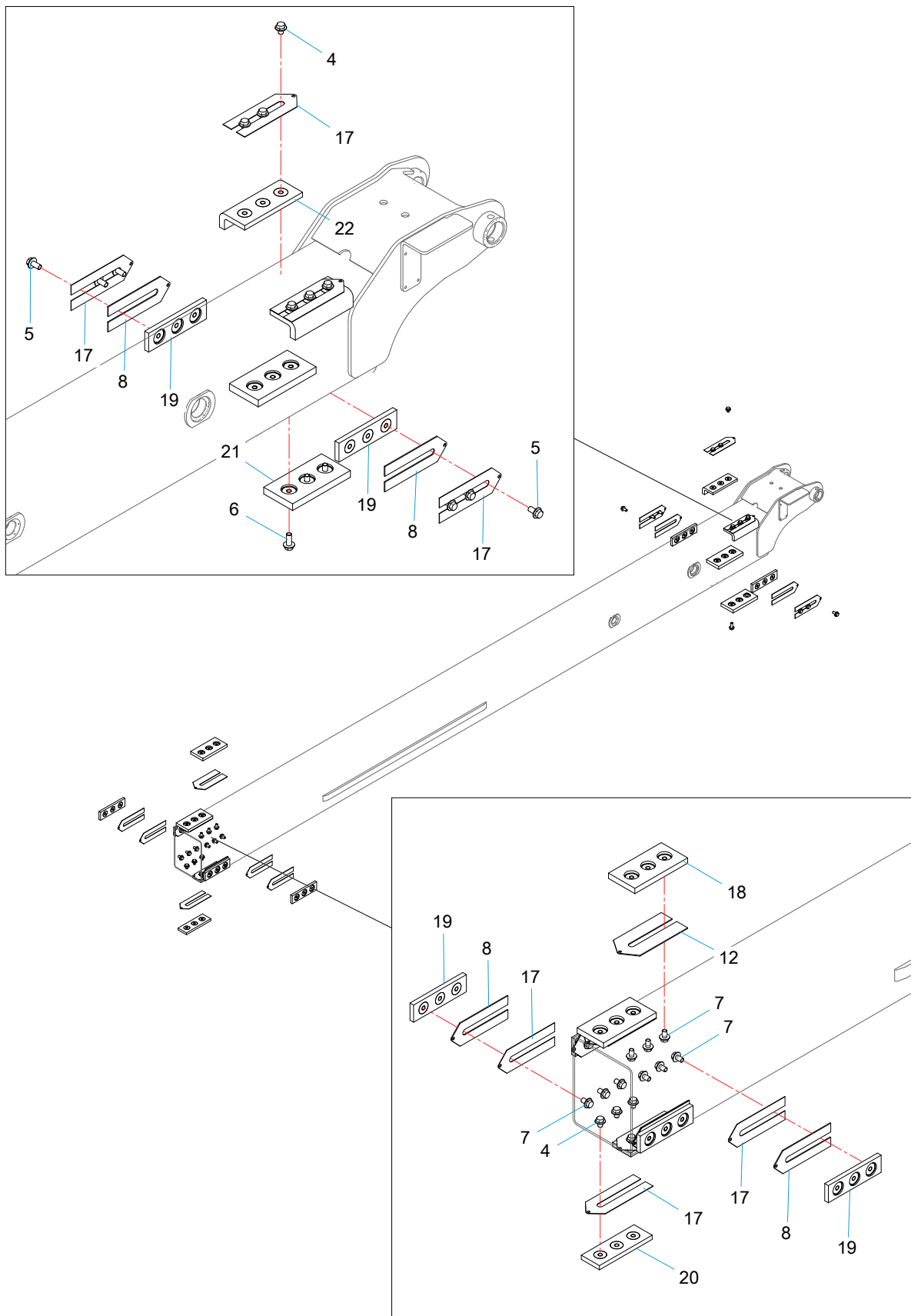
3.3 CABLE TRACK INSTALLATION



No.	Part No.	Qty.	Description
1	103011013642	1	Guide tube, upper
2	215010000223	1	Bolt M14×155-8.8-ZnD GB/T 5782
3	103011013646	1	Tray
4	215040000032	4	Washer 5-A2 GB/T 97.1
5	215020000008	4	Screw M5×20-A2-70 GB/T 70.1
6	103011013645	1	Guide tube, lower
7	215030000003	4	Nut M5-A2-70 GB/T 6170
8	215010000233	20	Bolt M8×12-8.8-ZnD GB/T 5789
9	215030000080	1	Nut M14-8-ZnD GB/T 6184
10	204190003263	1	Drag chain and joint
10a	204190000058	29	Chain link
10b	204190003264	1	Fixed end joint
10c	204190003265	1	Mobile end joint

3.4 BASE BOOM INSTALLATION



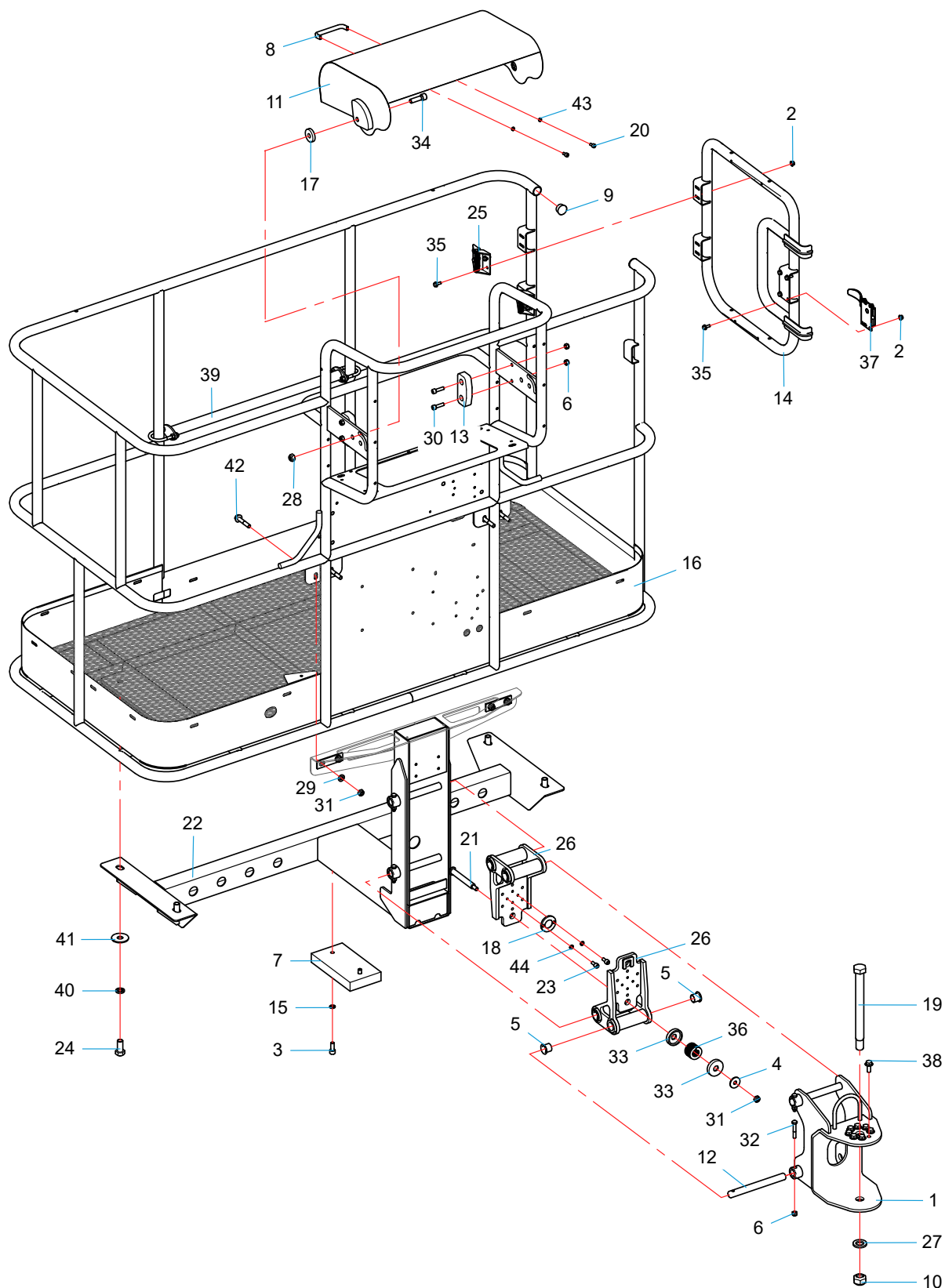


No.	Part No.	Qty.	Description
1	215010000281	6	Bolt M6×12-8.8-ZnD GB/T 5789
2	215040000006	4	Washer 10-ZnD GB/T 93
3	215010000079	4	Bolt M10×50-8.8-ZnD GB/T 5783
4	215010000249	12	Bolt M10×12-8.8-ZnD GB/T 5789
5	215010000237	6	Bolt M10×20-8.8-ZnD GB/T 5789
6	215010000238	6	Bolt M10×25-8.8-ZnD GB/T 5789
7	215010000245	26	Bolt M10×16-8.8-ZnD GB/T 5789
8	104011010072	6	shim
9	103011013624	1	Shaft XGΦ30-200[Z]
10	215040000096	2	Ring, retaining 30-DKL JB/ZQ 4342
11	103011013560	1	Cover
12	105017010003	2	Shim
13	103011013437	1	Mount
14	103011053002	1	Boom Telescope Cylinder (B)
14a	207990003536	1	Seal kit, cylinder (1000026)
14b	207990003521	1	Seal kit, cylinder (1000148)
14c	207990004290	1	Seal kit, cylinder (1000857)
15	103011013622	2	Block, fixture (oil cylinder)
16	103011013623	2	Shim
17	104009010103	10	shim
18	103011010014	2	Wear Pad Assembly
19	103006013021	6	Wear Pad Assembly
20	104009010108	2	Wear Pad Assembly
21	105047010052	2	Wear Pad Assembly
22	112001013157	2	Wear Pad Assembly
23	104022010014	4	Wear Pad Assembly

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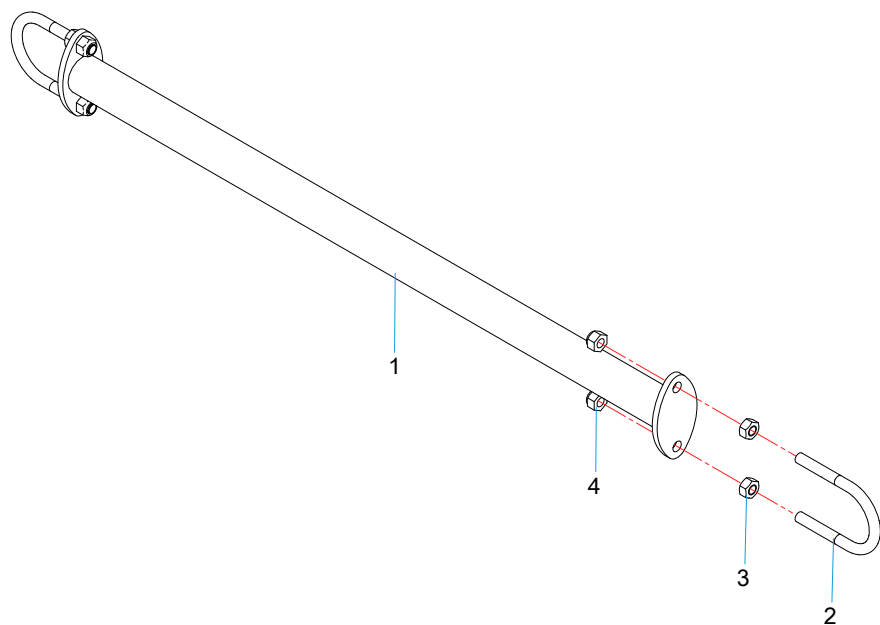
4 PLATFORM INSTALLATION OPTIONS

4.1 6 FT WORK PLATFORM - SWING GATE (OPTIONAL WITH A HALF-ENCLOSURE) (PN.103006043011)



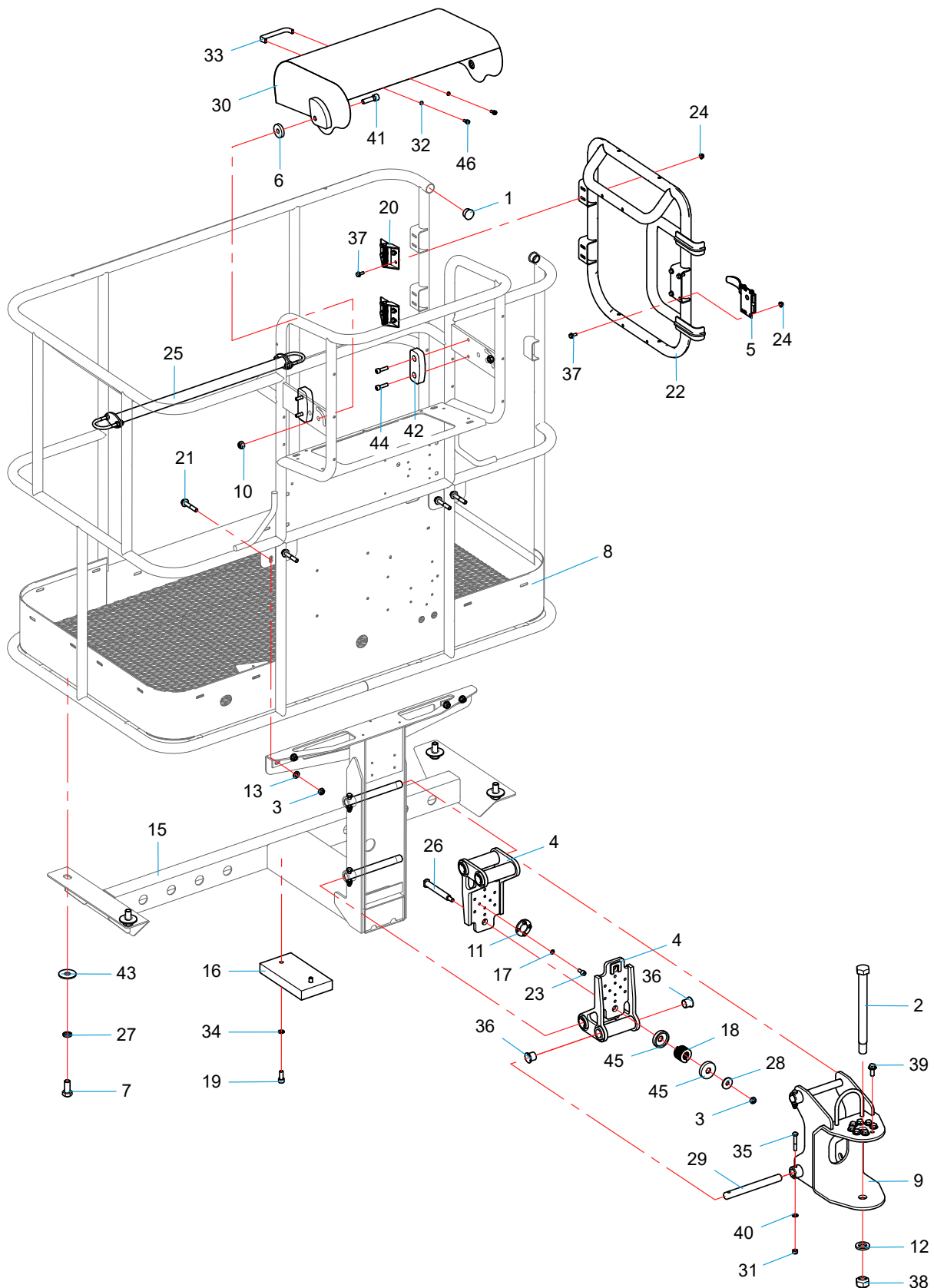
No.	Part No.	Qty.	Description
1	105050043078	1	Support
2	215030000107	12	Nut M6-A2-70 GB/T 6183.1
3	215020000049	2	Screw M10×25-8.8-ZnD GB/T 70.1
4	215040000125	1	Washer 10-100HV-ZnD GB/T 5287
5	214080000001	8	Bearing 20×23×21.5 SF-1F
6	215030000026	8	Nut M8-8-ZnD GB/T889.1
7	105001040006	1	Cushion block
8	209030000001	1	Handle
9	105064043177	2	Tube cap
10	215030000104	1	Nut M22-8-ZnD GB/T 899.1
11	105068043022	1	Dust 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	Frame, support
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	114023040001	2	Frame, weighing
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(See Sec. 4.2 for details)
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

4.2 DOOR POLE (PN.105064043183)



No.	Part No.	Qty.	Description
1	105064043182	1	Door lever weldment
2	105064043165	2	U-bolt
3	215030000005	4	Nut M8-8-ZnD-GB/T 6170
4	2150300000026	4	Nut M8-8-ZnD GB/T889.1

4.3 4.76 FT WORK PLATFORM - SWING GATE (OPTIONAL WITH A HALF-ENCLOSURE) (PN.103014040009)



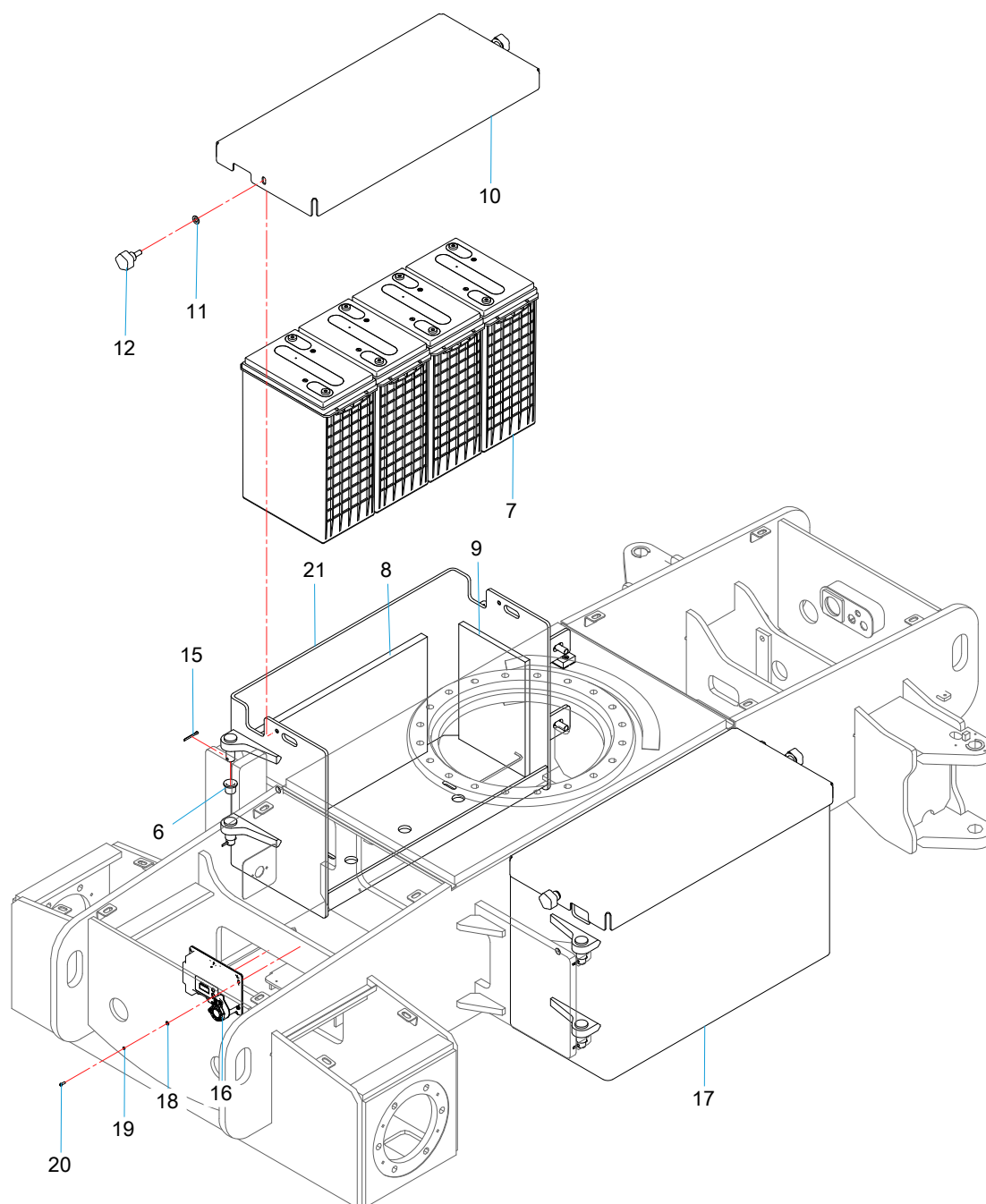
No.	Part No.	Qty.	Description
1	105064043177	2	Tube cap
2	103010013578	1	Pin,swing motor
3	215030000027	5	Nut M10-8-ZnD GB/T 6184
4	114023040001	2	Frame, weighing
5	209050003006	1	Lock
6	105001040055	2	Plate
7	215010000109	4	Bolt M16×35-8.8-ZnD GB/T 5783
8	103014040007	1	Platform
9	105050043078	1	Support
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	Frame, support
16	105001040006	1	Cushion block
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-A2-70 GB/T 6183.1
25	105064043183	1	Door Pole(See Sec. 4.2 for details)
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	Dust cover
31	215030000026	8	Nut M8-8-ZnD GB/T889.1
32	215040000002	2	Washer 4-A2-70 GB/T 93
33	209030000001	1	Handle
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
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

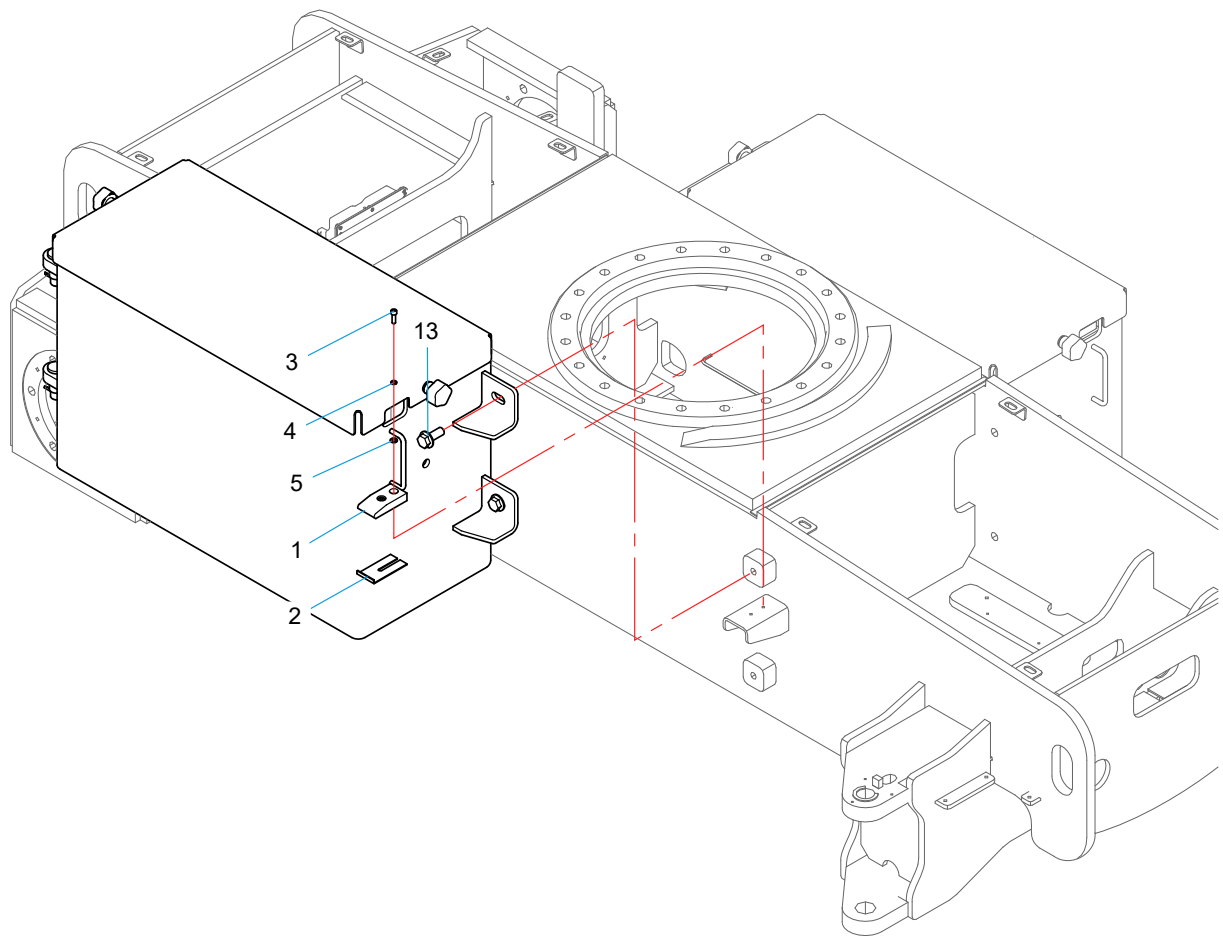
No.	Part No.	Qty.	Description
45	105029013045	2	Retaining ring
46	215020000001	2	Screw M4×10-A2-70 GB/T 70.1

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5 POWER SYSTEM OPTIONS

5.1 POWER ASSEMBLY, LEAD-ACID BATTERY (PN.103011033163)

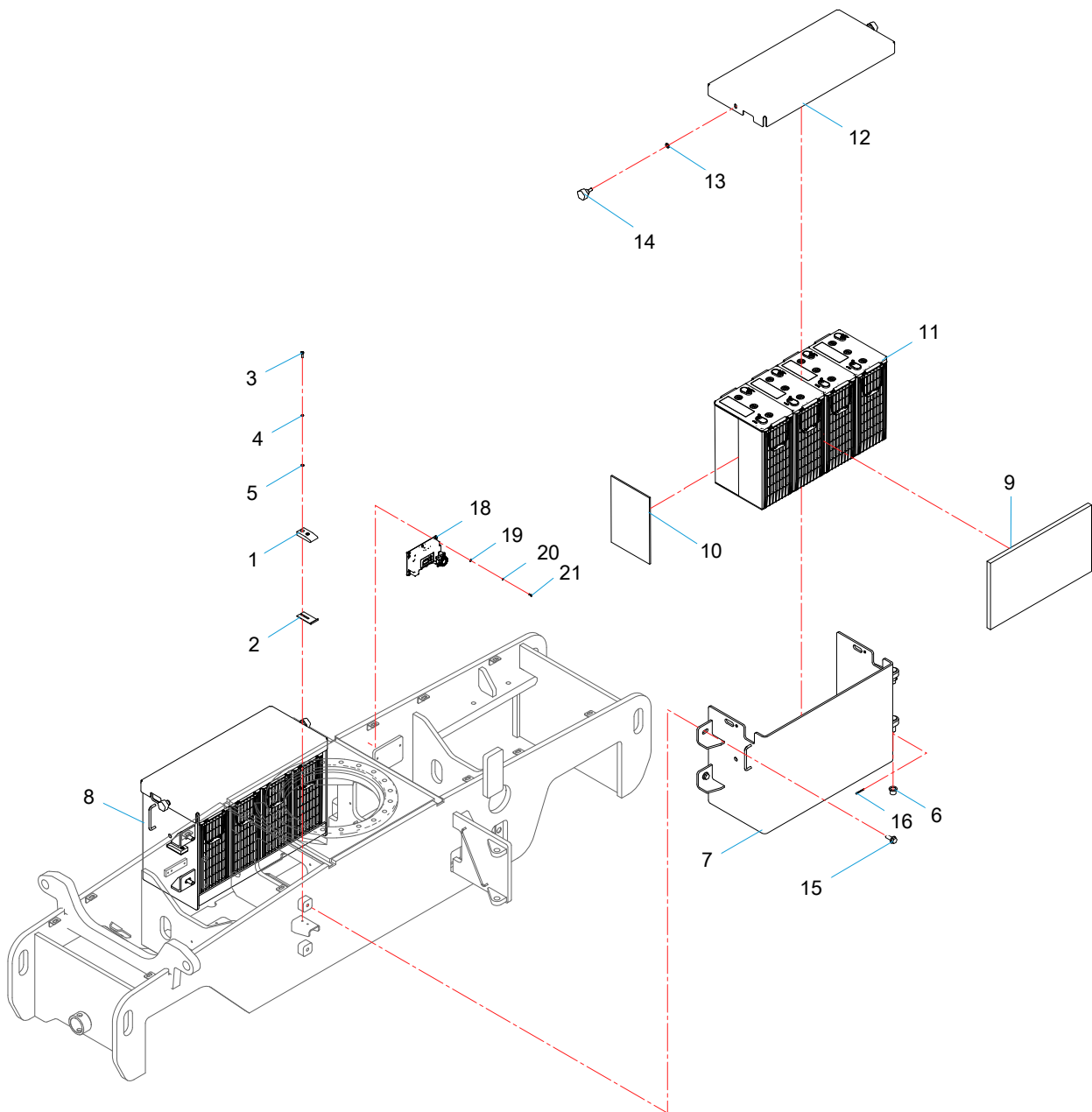




No.	Part No.	Qty.	Description
1	101014030014	2	Pad
2	101015030030	2	Shim
3	215020000012	4	Screw M6×20-A2-70 GB/T 70.1
4	215040000004	4	Washer 6-A2-70 GB/T 93
5	2150400000033	4	Washer 6-A2 GB/T 97.1
6	2140100000029	4	Bearing 20×24-20
7	203100000122	8	Battery, maintenance-free
8	103006033016	2	Subplate
9	103010033128	2	Subplate
10	103006030015	2	Cover
11	2150400000035	4	Washer 10-200HV-ZnD GB/T 97.1
12	2090300000006	4	Bolt, star-headed
13	2150100000260	4	Bolt M14×35-8.8-ZnD GB/T 5789
14	103011063096	1	Electrical Power Wiring Layout (Not Shown)(See Sec. 5.2 for details)
15	2150600000007	4	Pin 4×32-ZnD GB/T 91
16	2030300000016	1	Management SYS, battery
17	103006030035	1	Box, battery
18	2150400000031	4	Washer 4-A2 GB/T 97.1
19	2150400000002	4	Washer 4-A2-70 GB/T 93
20	2150200000105	4	Screw M4×12-A2-70 GB/T 818
21	1030060300005	1	Box, battery

No.	Part No.	Qty.	Description
1	203230000283	1	Power line
2	203230003282	1	Power line
3	203230000571	1	Power line
4	203230000616	1	Power line
5	203080004117	1	Cable, power
6	203230003279	1	Power line
7	203230000567	1	Power line
8	203230003281	1	Power line
9	203230001050	3	Power line
10	203230000533	1	Power line
11	203230000607	1	Power line
12	203230000551	1	Power line
13	203080004118	1	Cable, power
14	203230000572	6	Power line
15	203080000004	48	PVC sheath
16	203080000422	42	Nylon hose, closed-end

5.3 POWER ASSEMBLY, LEAD-ACID BATTERY (PN.103011180005)

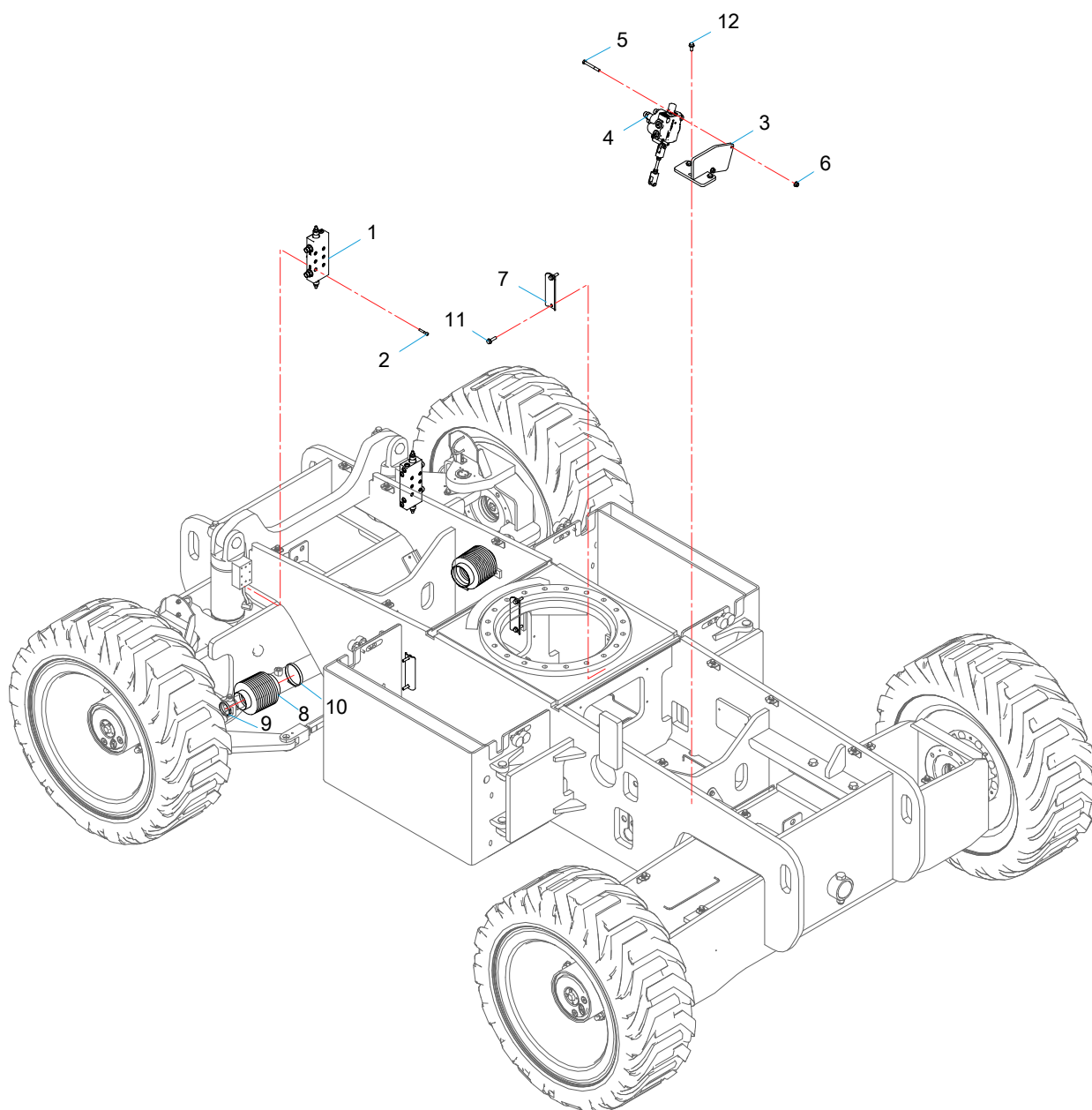


No.	Part No.	Qty.	Description
1	101014030014	2	Pad
2	101015030030	2	Shim
3	215020000012	4	Screw M6×20-A2-70 GB/T 70.1
4	215040000004	4	Washer 6-A2-70 GB/T 93
5	2150400000033	4	Washer 6-A2 GB/T 97.1
6	2140100000029	4	Bearing 20×24-20
7	103006030005	1	Box, battery
8	103006030035	1	Box, battery
9	103006033016	2	Subplate
10	103011180008	2	Subplate
11	203100003288	8	Battery, maintenance-free
12	103006030015	2	Cover
13	2150400000035	4	Washer 10-200HV-ZnD GB/T 97.1
14	2090300000006	4	Bolt, star-headed
15	215010000260	4	Bolt M14×35-8.8-ZnD GB/T 5789
16	2150600000007	4	Pin 4×32-ZnD GB/T 91
17	103011063096	1	Electrical Power Wiring Layout (Not Shown)(See Sec. 5.2 for details)
18	2030300000016	1	Management SYS, battery
19	2150400000031	4	Washer 4-A2 GB/T 97.1
20	2150400000002	4	Washer 4-A2-70 GB/T 93
21	215020000105	4	Screw M4×12-A2-70 GB/T 818

6 HYDRAULIC SYSTEM

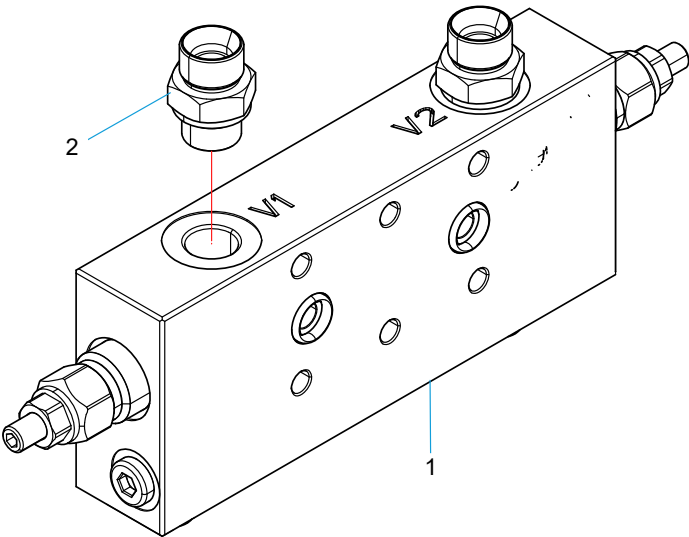
6.1 HYDRAULIC SYSTEM COMPONENTS OF CHASSIS

6.1.1 CHASSIS HYDRAULIC COMPONENTS INSTALLATION



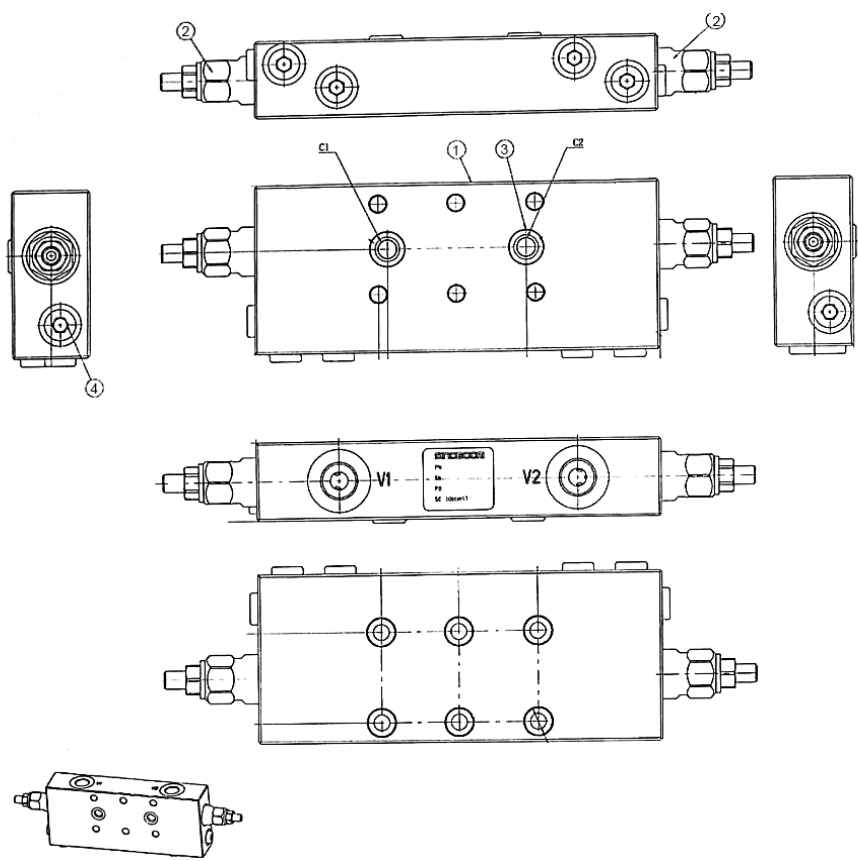
No.	Part No.	Qty.	Description
1		2	Oscillate Counterbalance Valve and Fittings Installation(See Sec. 6.1.2 for details)
2	215020000015	12	Screw M6×35-A2-70 GB/T 70.1
3	103011033144	1	Bracket, mounting (multi-way valve, osci
4		1	Oscillate Multi-way Valve and Fittings Installation(See Sec. 6.1.4 for details)
5	215010000005	2	Bolt M8×70-8.8-ZnD GB/T 5782
6	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
7	103003050039	3	Bracket
8	105047050001	2	Bellow, steer cylinder
9	216020000003	2	Clamp
10	216020000009	2	Hose clamp
11	215010000236	6	Bolt M8×30-8.8-ZnD GB/T 5789
12	215010000234	3	Bolt M8×20-8.8-ZnD GB/T 5789

6.1.2 OSCILLATE COUNTERBALANCE VALVE AND FITTINGS
INSTALLATION



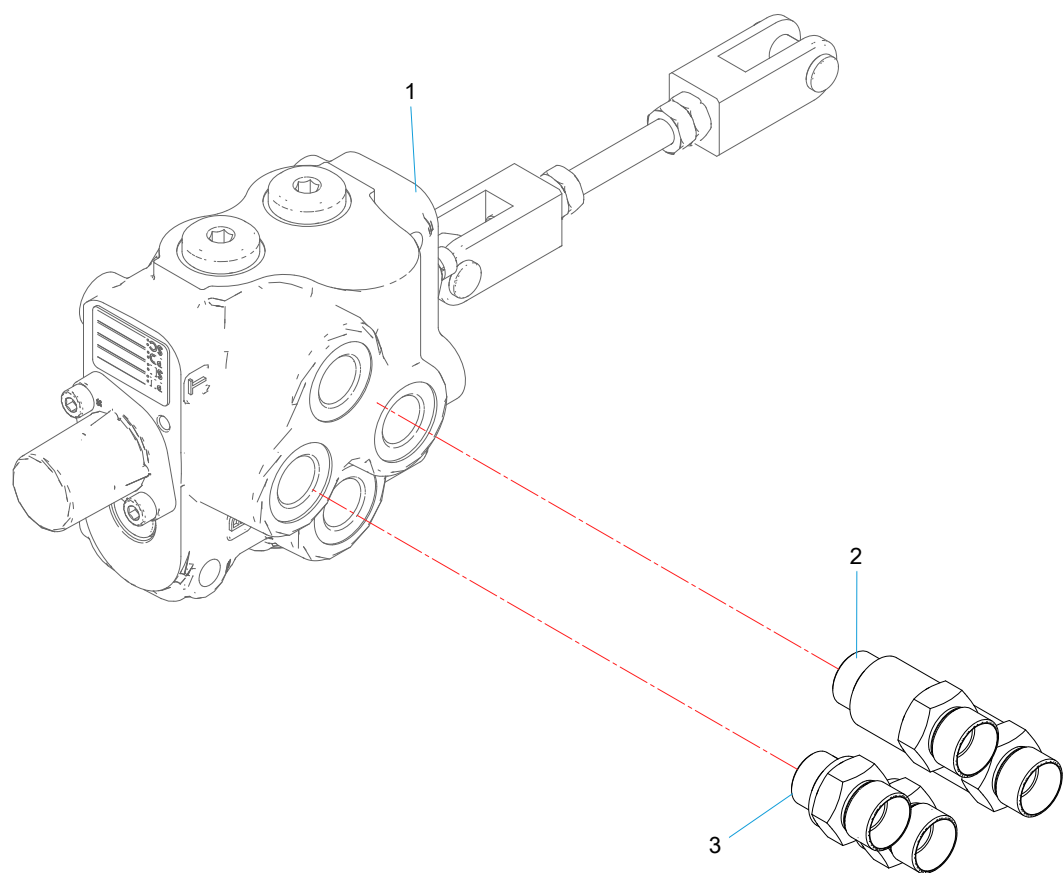
No.	Part No.	Qty.	Description
1	202040003870	1	Oscillate Counterbalance Valve(See Sec. 6.1.3 for details)
2	213010000005	2	Coupler

6.1.3 OSCILLATE COUNTERBALANCE VALVE (PN.202040003870)



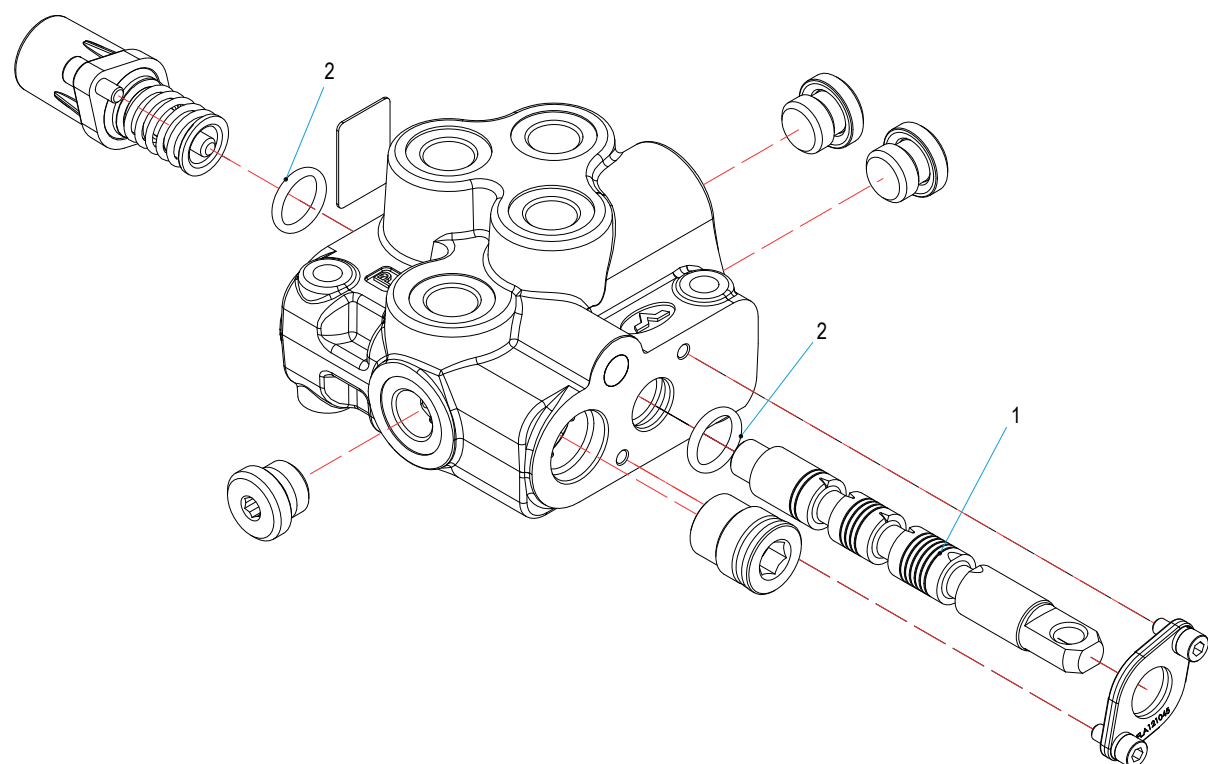
No.	Part No.	Qty.	Description
2	202990000157	2	Valve,counterbalance
3	207040003003	2	O-ring

6.1.4 OSCILLATE MULTI-WAY VALVE AND FITTINGS INSTALLATION



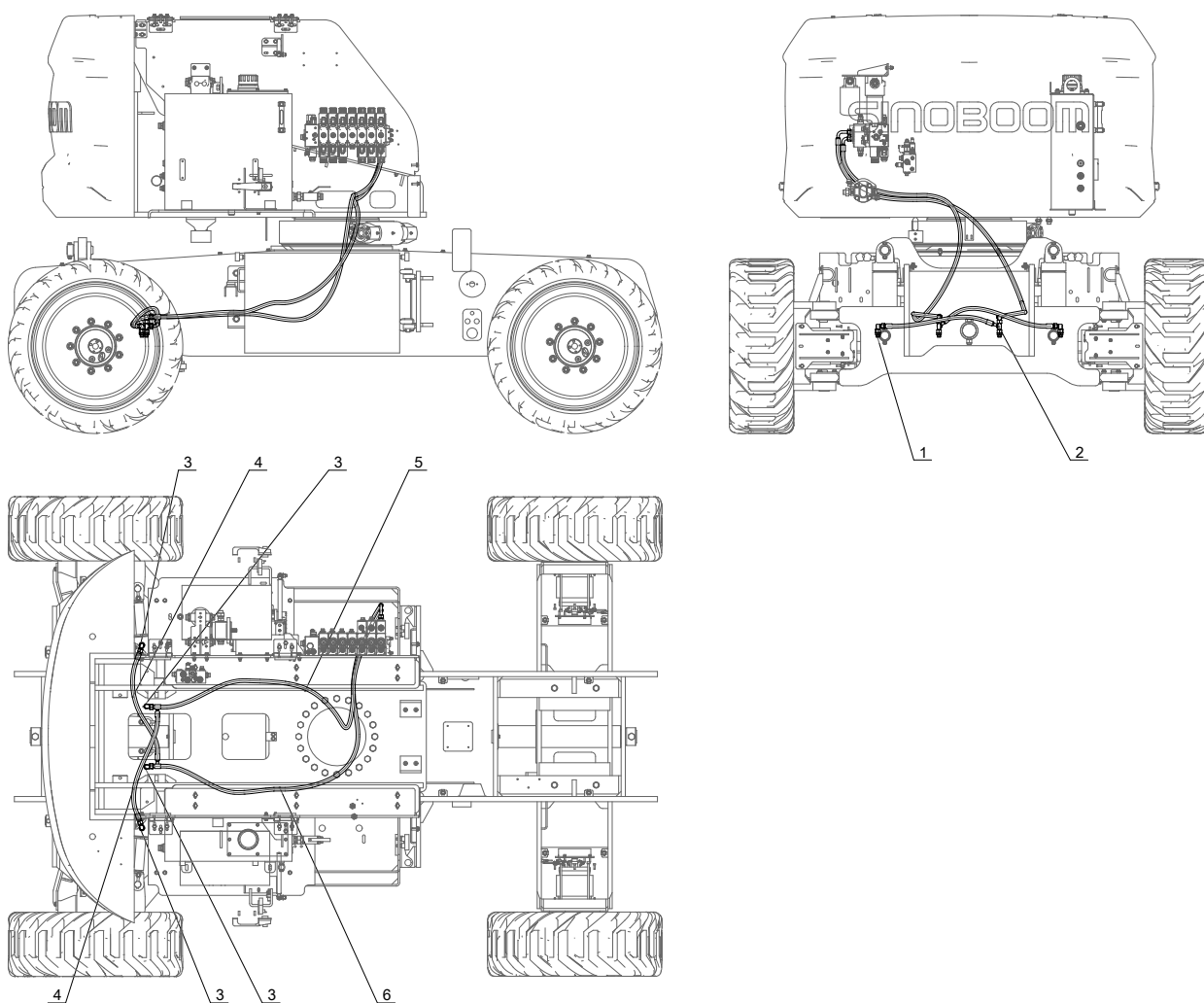
No.	Part No.	Qty.	Description
1	202040003026	1	Oscillate Multi-way Valve (See Sec. 6.1.5 for details)
2	213010003251	2	Coupler
3	213010000005	2	Coupler

6.1.5 OSCILLATE MULTI-WAY VALVE (PN.202040003026)



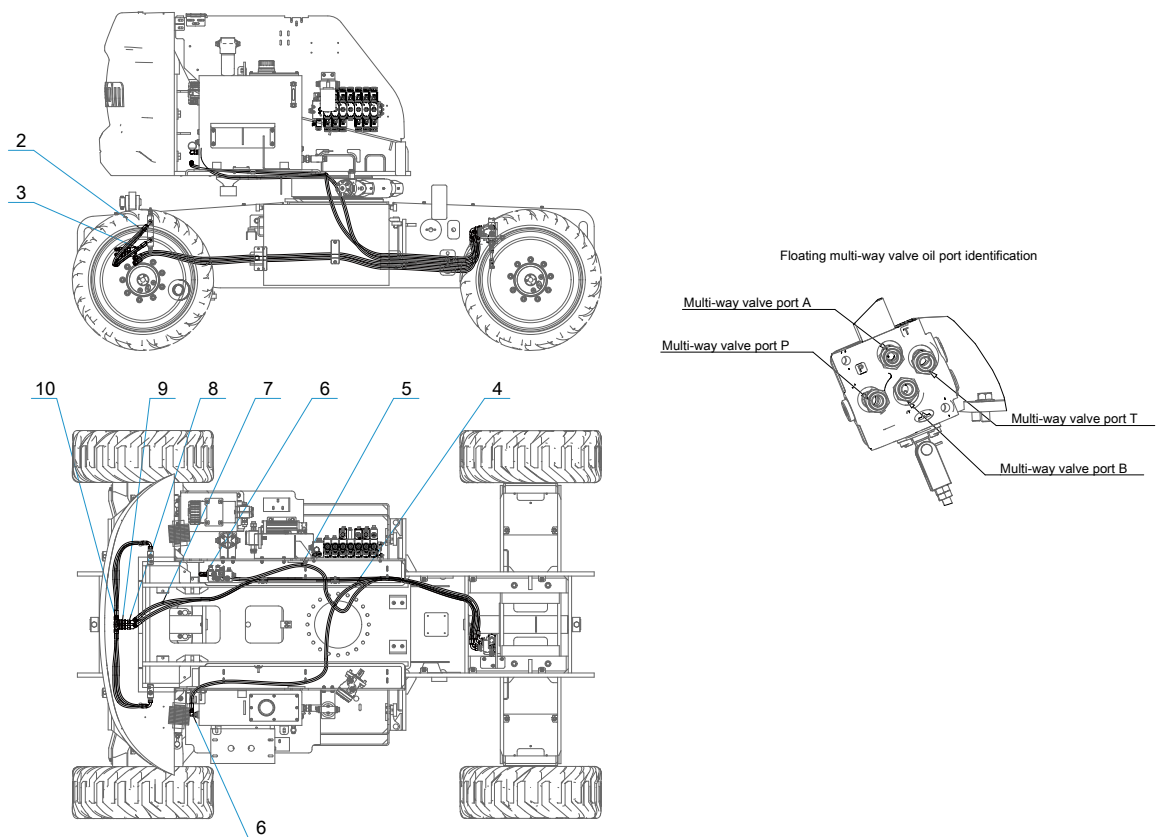
No.	Part No.	Qty.	Description
1	202990003065	1	Multi-way valve spool, oscillate
2	207060003007	2	O-ring

6.1.6 PIPE LAYOUT DRAWING OF STEERING



No.	Part No.	Qty.	Description
1	213010000031	4	Coupler
2	213010000032	2	Coupler
3	213010000055	4	Coupler
4	213050000920	2	Hose
5	213050003086	1	Hose
6	213050012402	1	Hose

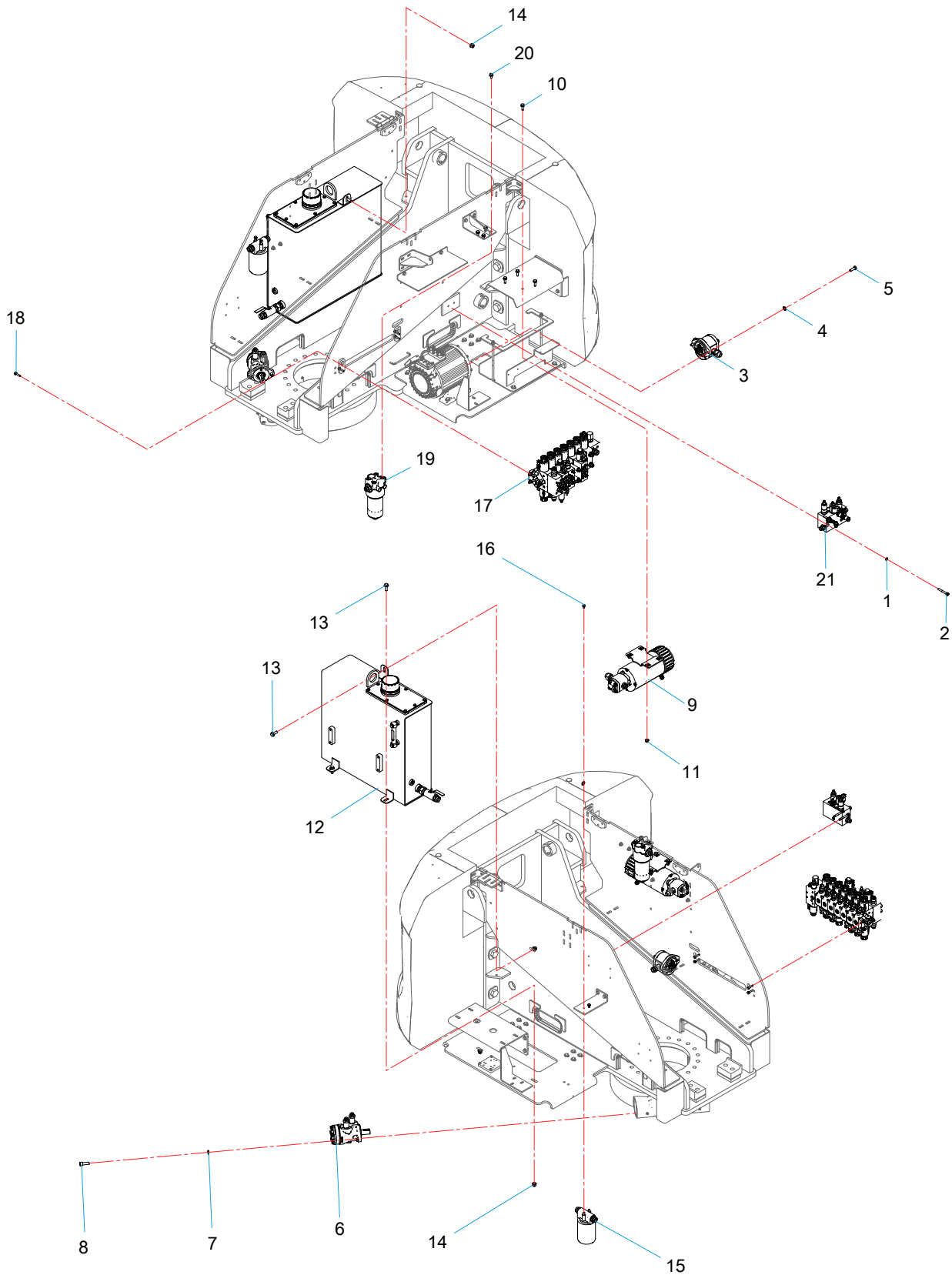
6.1.7 OSCILLATING PIPE LAYOUT DRAWING



No.	Part No.	Qty.	Description
2	213050003343	2	Hose
3	213050000044	2	Hose
4	213050014332	1	Hose
5	213050000252	1	Hose
6	213010000055	2	Coupler
7	213050000275	2	Hose
8	213010000112	2	Coupler
9	213010000087	2	Coupler
10	213010000155	2	Coupler

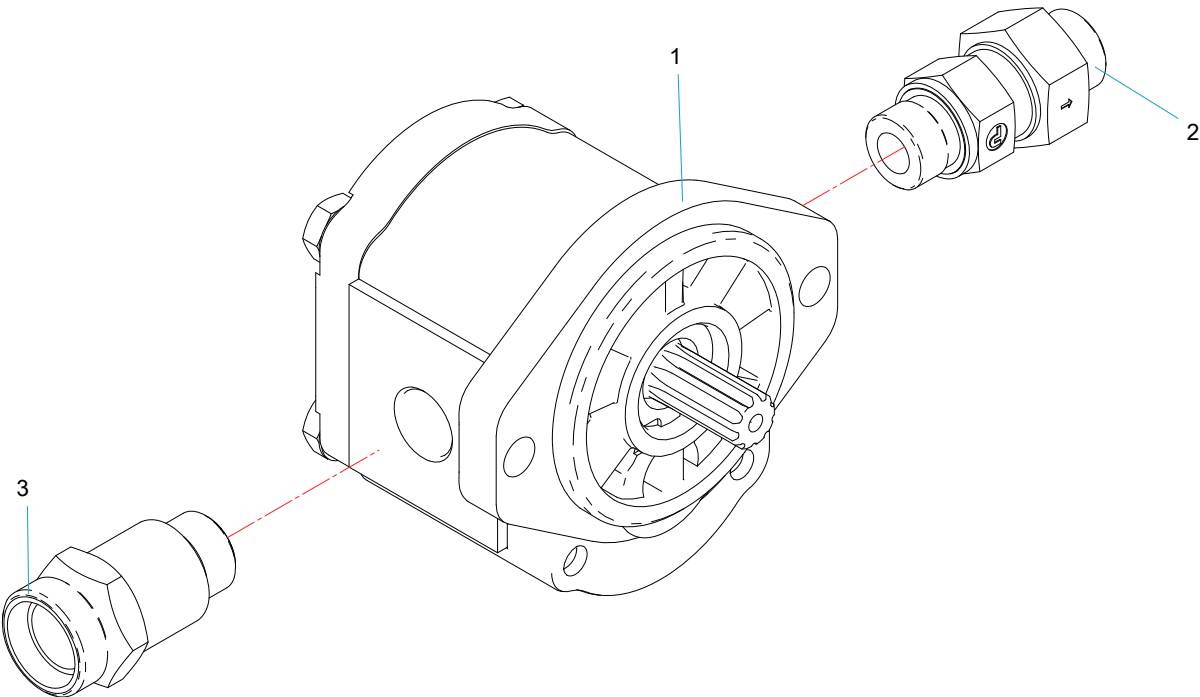
6.2 HYDRAULIC SYSTEM COMPONENTS OF TURNTABLE

6.2.1 TURNTABLE HYDRAULIC COMPONENTS INSTALLATION



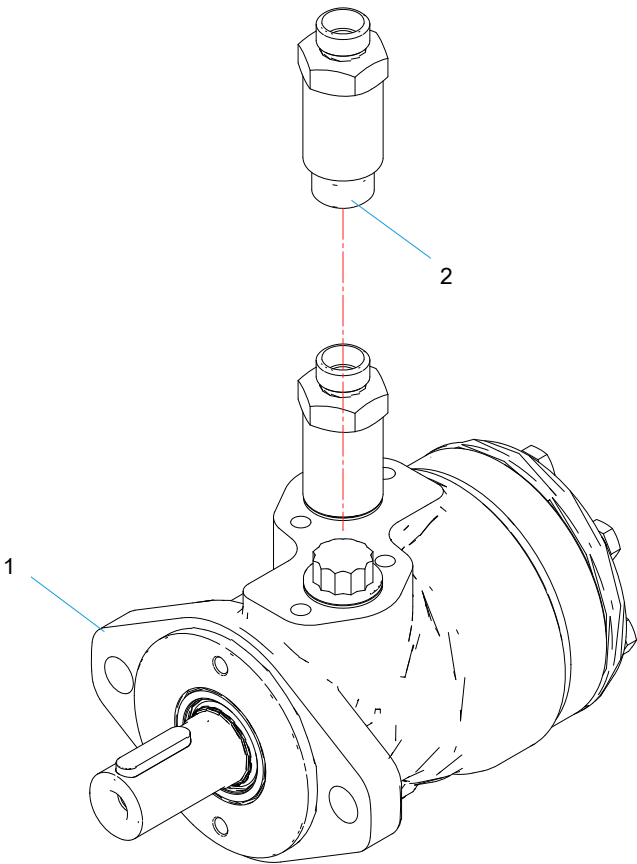
No.	Part No.	Qty.	Description
1	215040000005	2	Washer 8-ZnD GB/T 93
2	215020000038	2	Screw M8×60-8.8-ZnD GB/T 70.1
3		1	Gear Pump Connector Installation(See Sec. 6.2.2 for details)
4	215040000035	2	Washer 10-200HV-ZnD GB/T 97.1
5	215010000071	2	Bolt M10×30-8.8-ZnD GB/T 5783
6		1	Cycloidal Motor Fitting Installation(See Sec. 6.2.3 for details)
7	215040000007	2	Washer 12-ZnD GB/T 93
8	215020000076	2	Screw M12×35-8.8-ZnD GB/T 70.1
9		1	Emergency Power Unit and Fittings Installation(See Sec. 6.2.4 for details)
10	215010000235	4	Bolt M8×25-8.8-ZnD GB/T 5789
11	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
12		1	Hydraulic Tank and Fittings Installation(See Sec. 6.2.7 for details)
13	215010000239	3	Bolt M10×30-8.8-ZnD GB/T 5789
14	215030000109	3	Nut M10-8-ZnD GB/T 6183.1
15		1	Return Filter Connector Installation(See Sec. 6.2.9 for details)
16	215010000281	2	Bolt M6×12-8.8-ZnD GB/T 5789
17		1	Multitandem Valve and Fittings Installation(See Sec. 6.2.10 for details)
18	215010000282	4	Bolt M6×30-8.8-ZnD GB/T 5789
19		1	High Pressure Filter Connector Installation(See Sec. 6.2.14 for details)
20	215010000286	4	Bolt M8×16-8.8-ZnD GB/T 5789
21		1	Oscillate Control Valve and Fittings Installation(See Sec. 6.2.15 for details)

6.2.2 GEAR PUMP CONNECTOR INSTALLATION



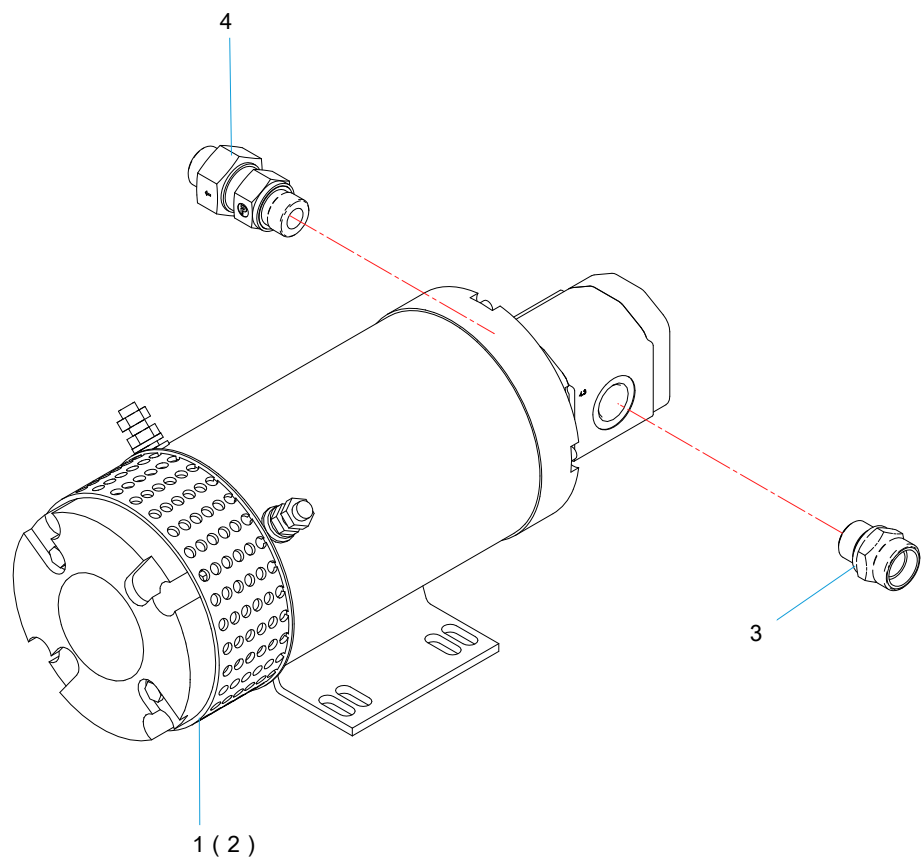
No.	Part No.	Qty.	Description
1	202010003053	1	Gear pump
1a	207990003056	1	Seal kit, gear pump
2	202040003509	1	Non-return valve
3	213010000273	1	Fitting

6.2.3 CYCLOIDAL MOTOR FITTING INSTALLATION



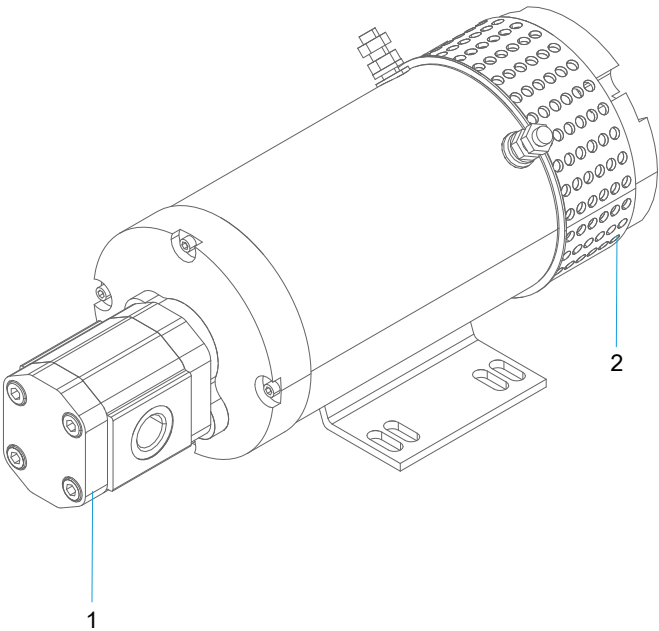
No.	Part No.	Qty.	Description
1	202020003090	1	Cycloid motor
1a	202990003346	1	Seal kit, Cycloid motor
2	213010003185	2	Coupler

6.2.4 EMERGENCY POWER UNIT AND FITTINGS INSTALLATION



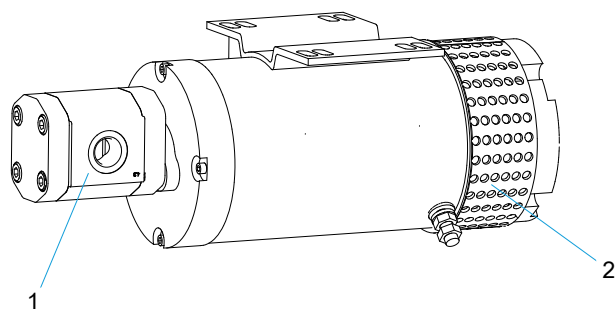
No.	Part No.	Qty.	Description
1	202010000041	1	Power Unit, 12V(See Sec. 6.2.5 for details)
2	202010003090	1	Power Unit (See Sec. 6.2.6 for details)
3	213010000092	1	Coupler
4	202040003509	1	Non-return valve

6.2.5 POWER UNIT, 12V (PN.202010000041)



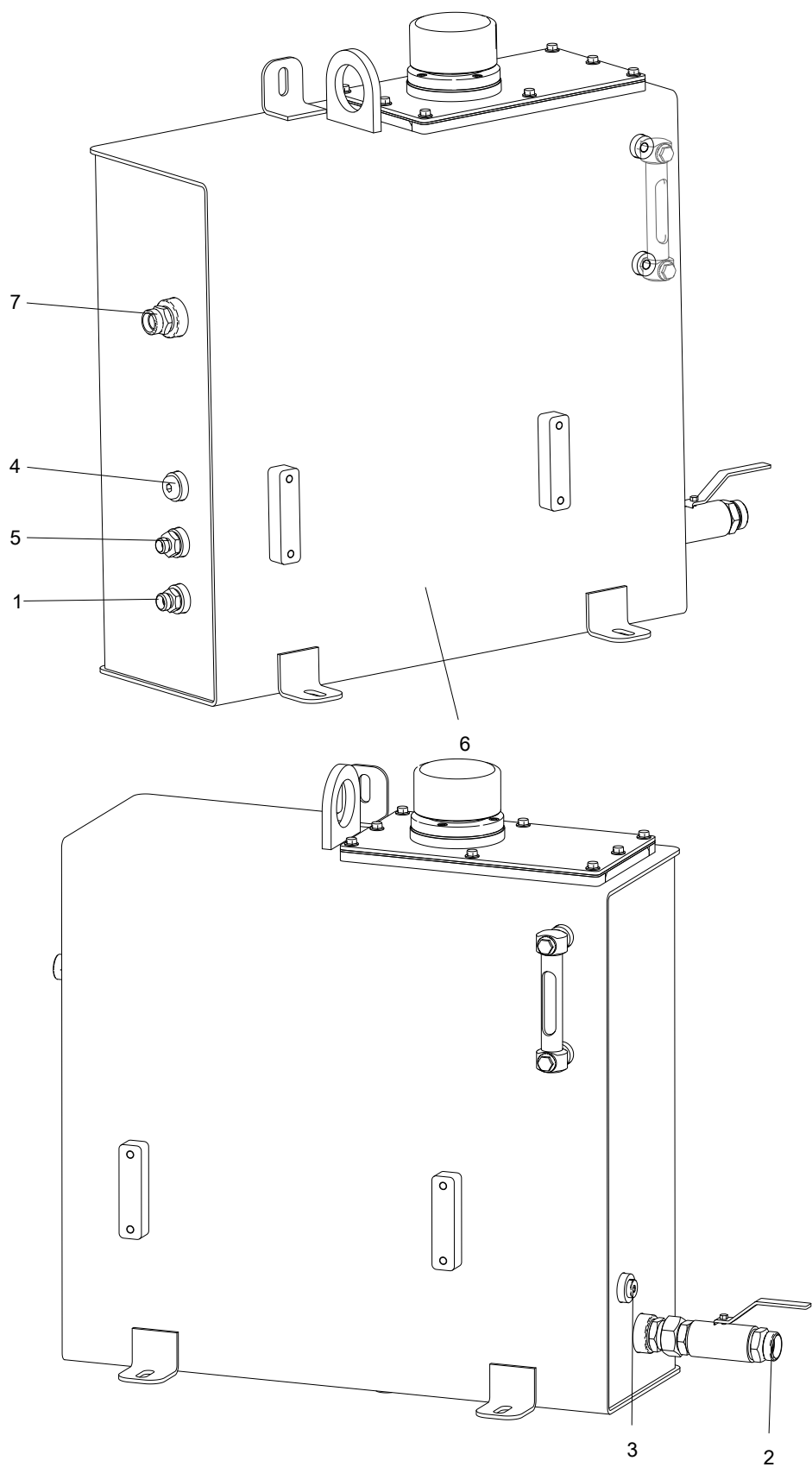
No.	Part No.	Qty.	Description
1	202010003073	1	Gear pump
1a	207990003107	1	Seal kit, gear pump
2	203010003058	1	DC motor
2a	202990000176	1	Carbon brush

6.2.6 POWER UNIT (PN.202010003090)



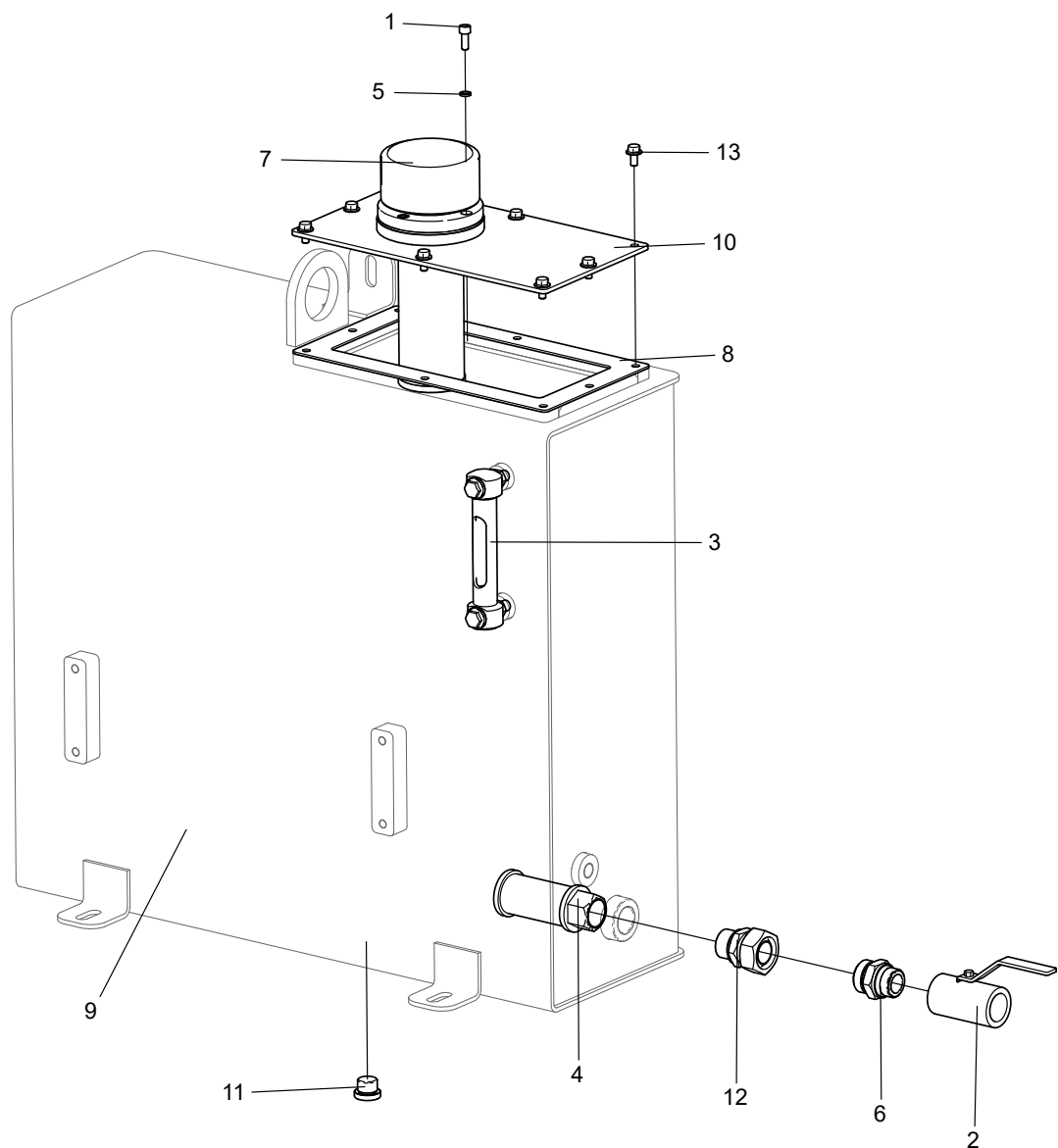
No.	Part No.	Qty.	Description
1	202010003073	1	Gear pump
1a	207990003107	1	Seal kit, gear pump
2	203010003058	1	DC motor
2a	202990000176	1	Carbon brush

6.2.7 HYDRAULIC TANK AND FITTINGS INSTALLATION



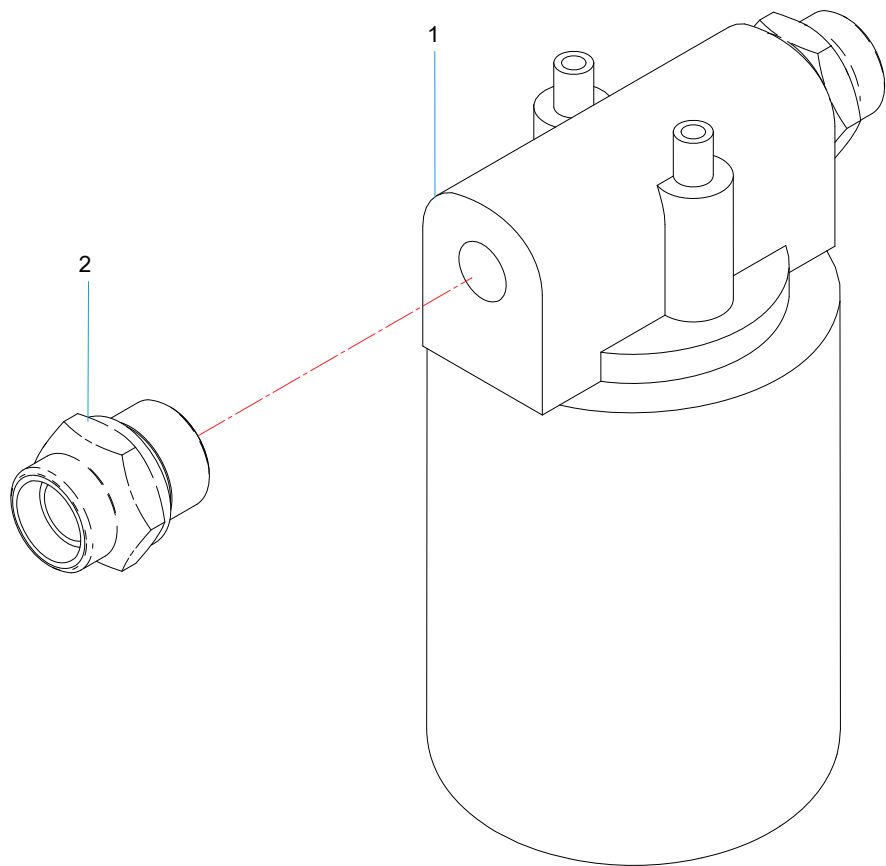
No.	Part No.	Qty.	Description
1	213010000086	1	Coupler
2	105001050027	1	Fitting, non-standard
3	213060000010	1	Plug
4	213060000006	1	Plug
5	213010000147	1	Coupler
6	103011053040	1	Hydraulic Tank Assembly(See Sec. 6.2.8 for details)
7	213010000092	1	Coupler

6.2.8 HYDRAULIC TANK ASSEMBLY (PN.103011053040)



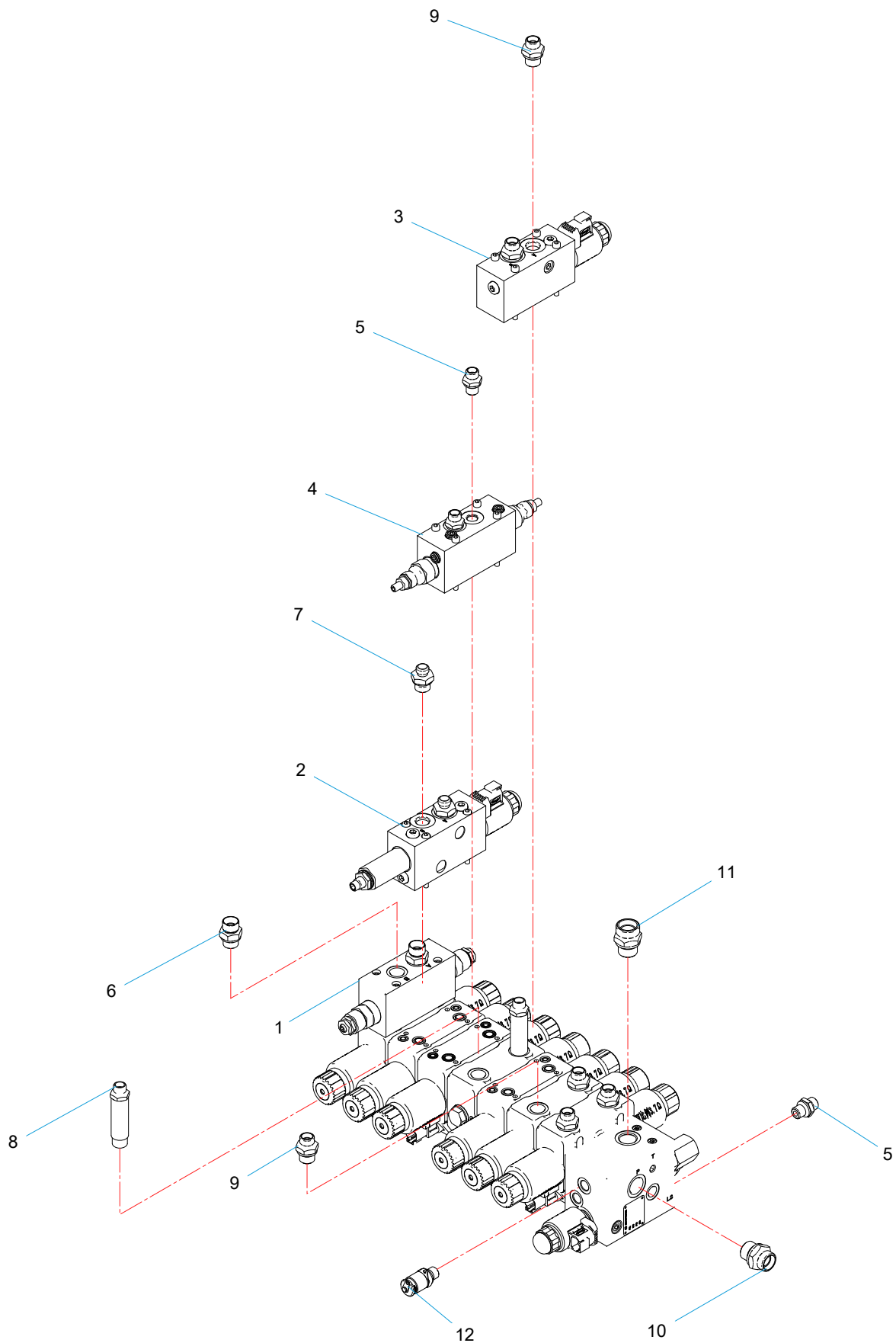
No.	Part No.	Qty.	Description
1	215020000011	4	Screw M6×16-A2-70 GB/T 70.1
2	202040000049	1	Ball valve
3	202120000005	1	Level gauge
4	202080000017	1	Oil suction filter
5	215040000004	4	Washer 6-A2-70 GB/T 93
6	105001050027	1	Fitting, non-standard
7	202070003014	1	Air filter
7a	202070003015	1	Filter element
8	103004050008	1	Pad, rubber
9	103011053039	1	Case
10	103004050001	1	Cover assembly
11	213060000006	1	Plug
12	213010000123	1	Fitting
13	215010000281	8	Bolt M6×12-8.8-ZnD GB/T 5789

6.2.9 RETURN FILTER CONNECTOR INSTALLATION



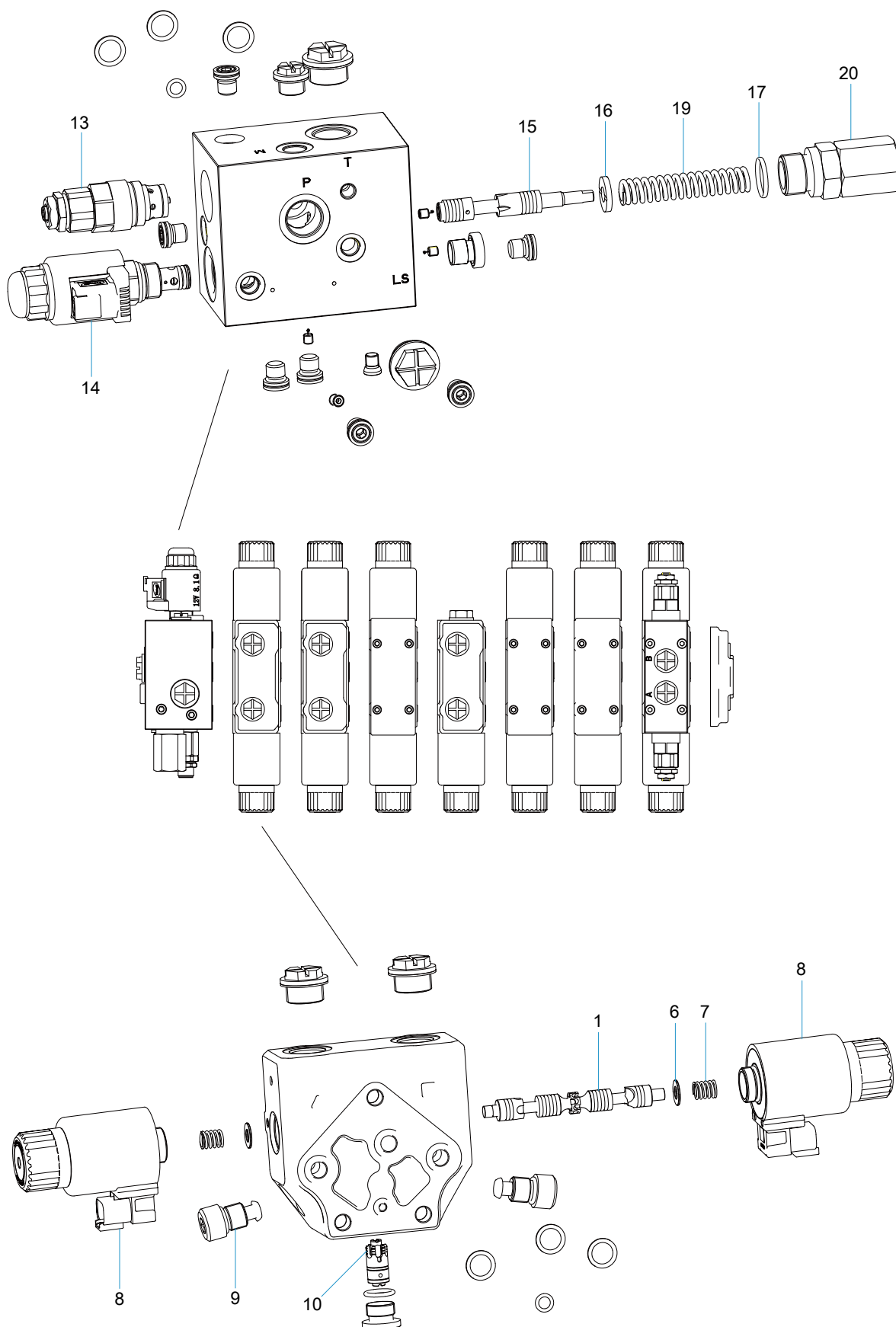
No.	Part No.	Qty.	Description
1	202080000001	1	Filter
1a	202080000024	1	Filter element, spin-on type
2	213010000082	2	Coupler

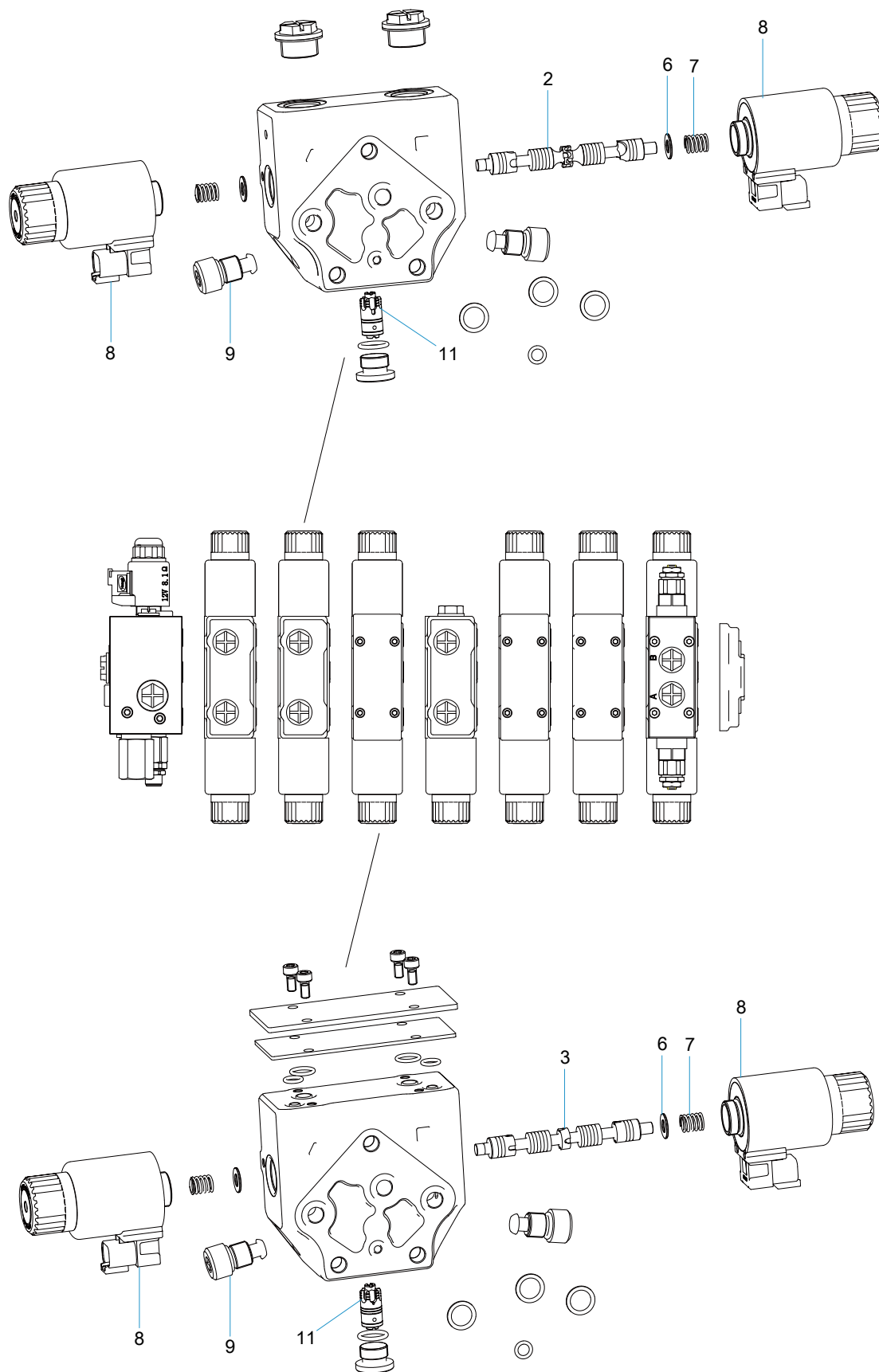
6.2.10 MULTITANDEM VALVE AND FITTINGS INSTALLATION

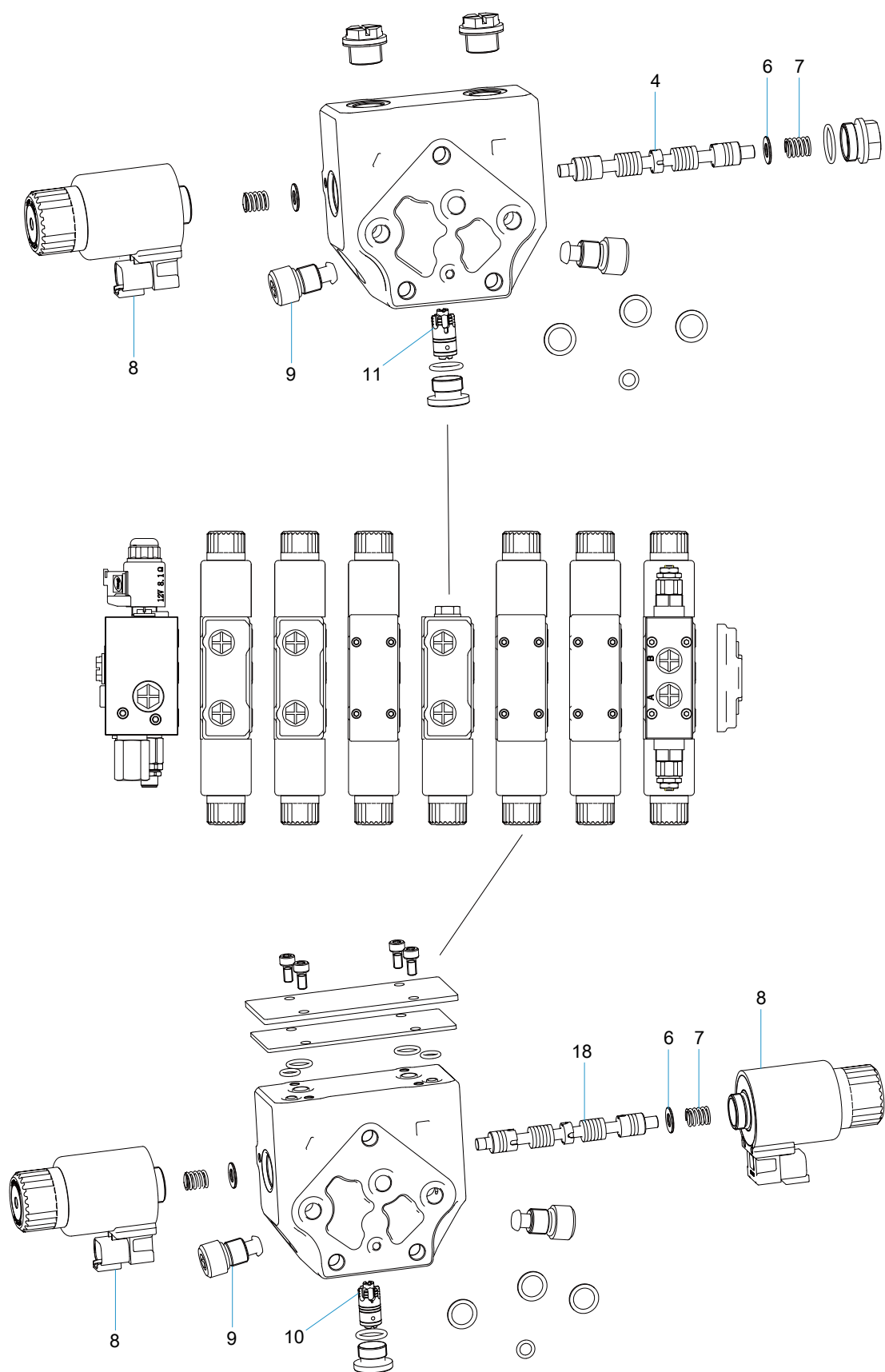


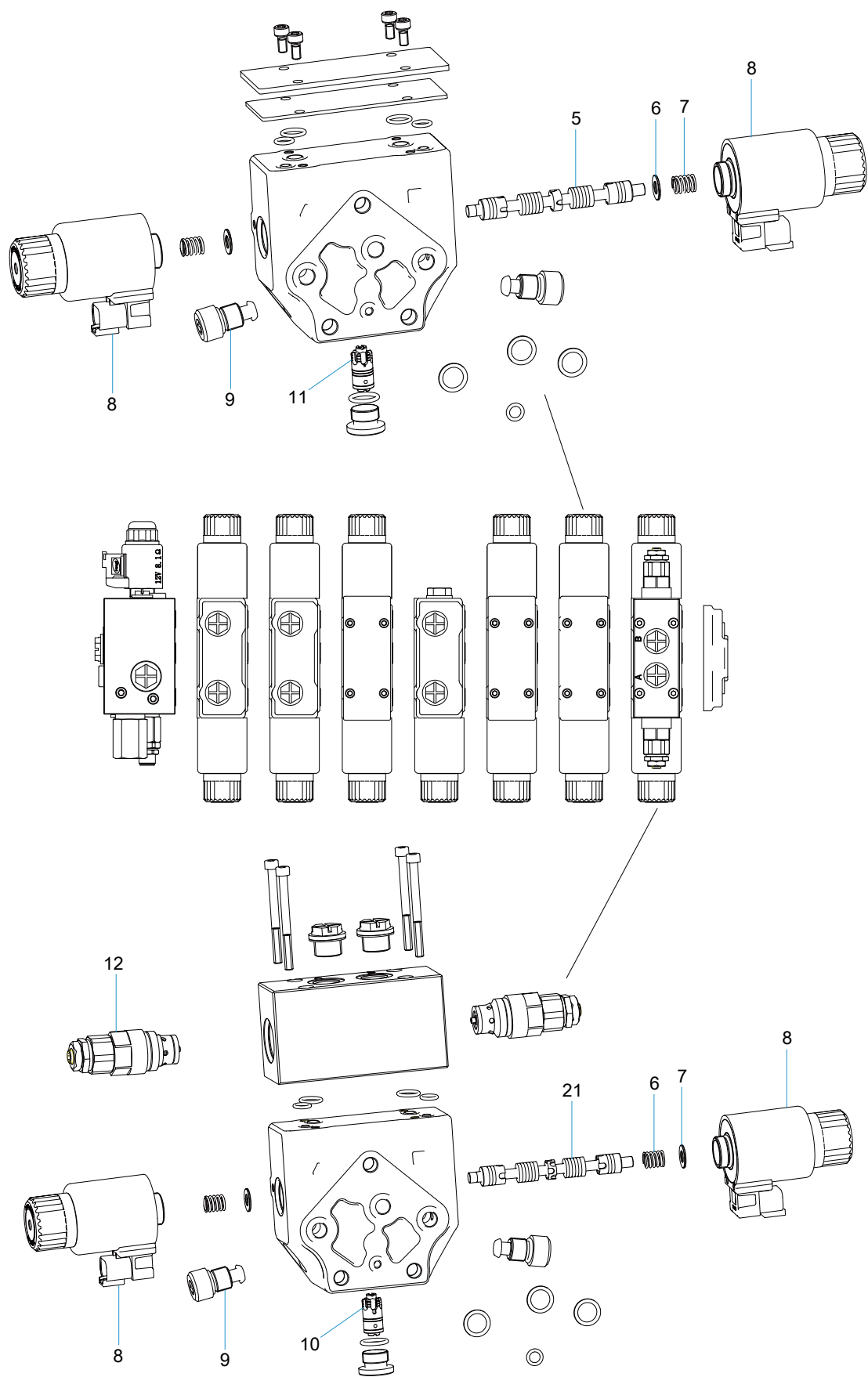
No.	Part No.	Qty.	Description
1	202040003522	1	Multitandem Valve(See Sec. 6.2.11 for details)
2	202040003971	1	Unloading and Pressure-limiting Valve,(See Sec. 6.2.12 for details)
3	202040003972	1	Unloading Valve
4	202040003863	1	2-way counterbalance manifold(See Sec. 6.2.13 for details)
5	213010000007	3	Fitting
6	213010000005	2	Coupler
7	213010000047	2	Fitting
8	213010003280	2	Coupler
9	213010000006	6	Fitting
10	213010000039	1	Coupler
11	213010000092	1	Coupler
12	213010000010	1	Coupler

6.2.11 MULTITANDEM VALVE (PN.202040003522)



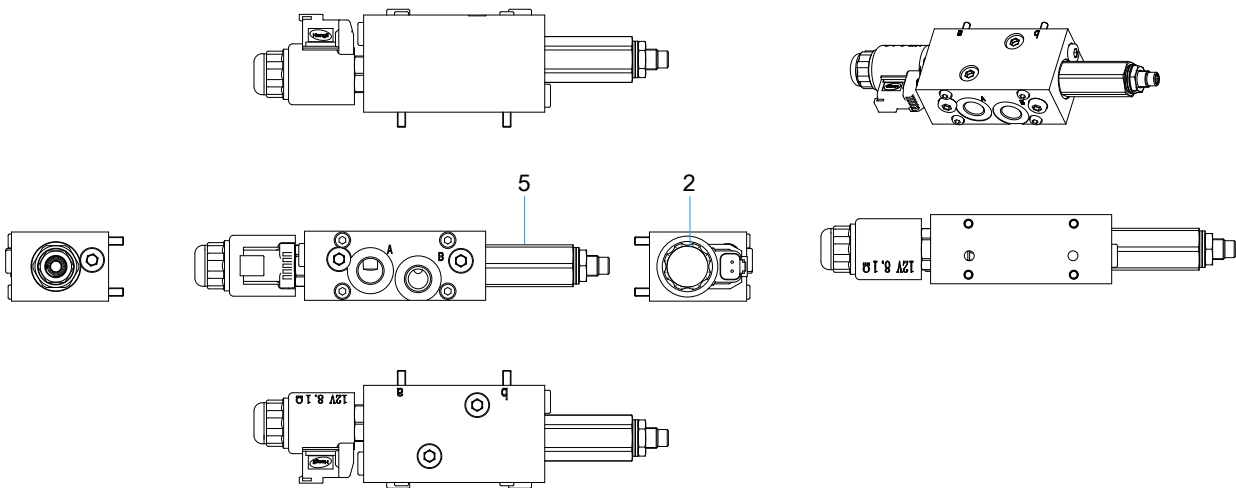






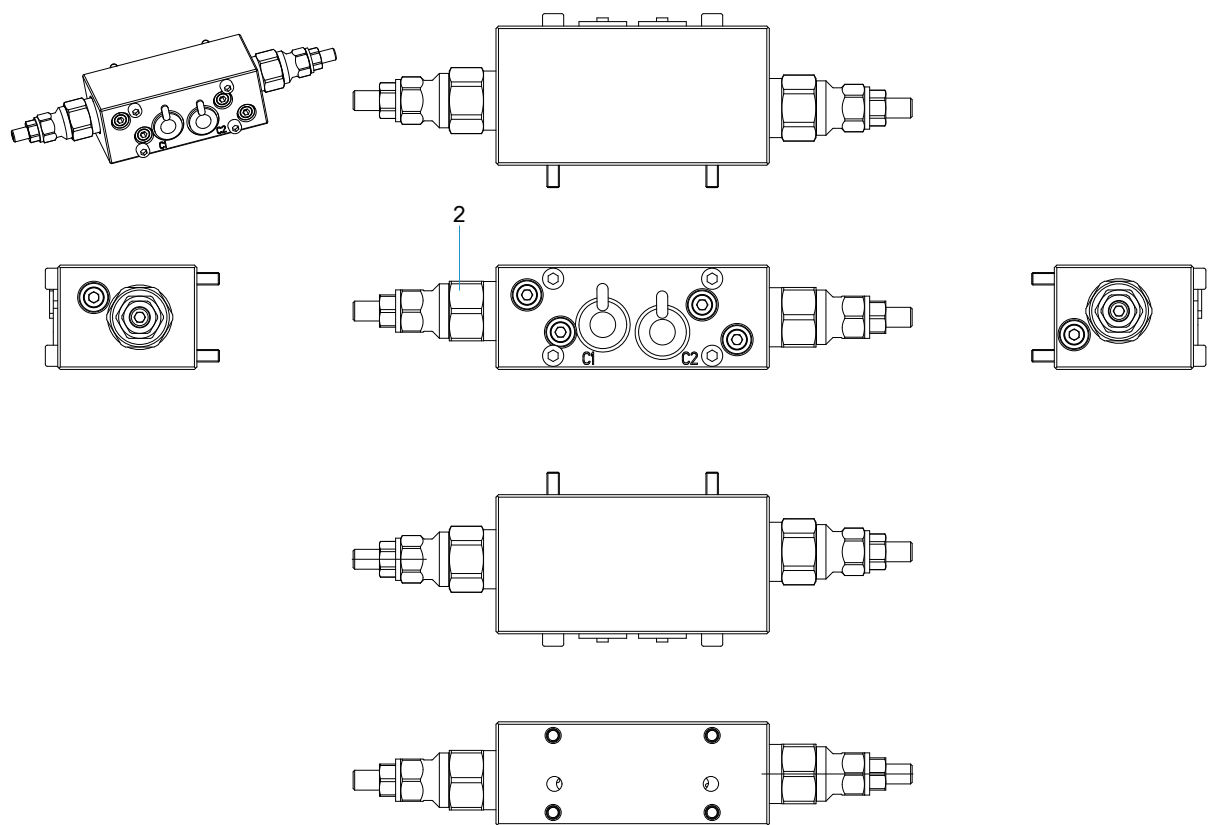
No.	Part No.	Qty.	Description
1	202990003556	1	Spool
2	202990003557	1	Spool
3	202990003558	1	Spool
4	202990003560	1	Spool
5	202990003561	1	Spool
6	202990003563	14	Spring seat
7	202990003564	14	Spring
8	202990003565	13	Proportional electromagnet
9	202990003566	14	Check valve
10	202990003567	3	Spool
11	202990003568	4	Spool
12	202990003569	2	Relief valve
13	202990003570	1	Relief valve
14	202990003571	1	Electromagnetic Valve
15	202990003992	1	Spool
16	202990003573	1	Spring seat
17	202990003575	1	O-ring
18	202990003948	1	Element, valve
19	202990004138	1	Spring
20	202990004139	1	Plug
21	202990004140	1	Spool

6.2.12 UNLOADING AND PRESSURE-LIMITING VALVE, (PN.202040003971)



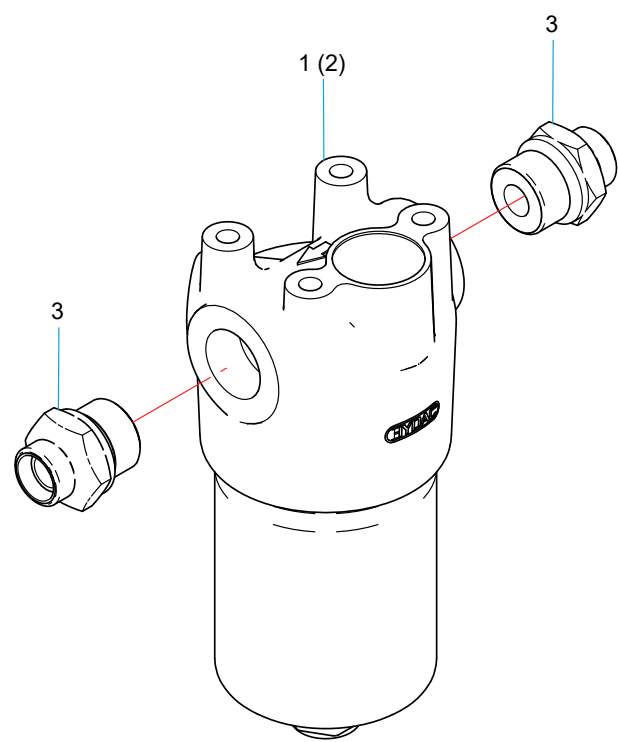
No.	Part No.	Qty.	Description
2	202990000168	1	Valve, solenoid(direction)
5	202990003762	1	Relief valve

6.2.13 2-WAY COUNTERBALANCE MANIFOLD (PN.202040003863)



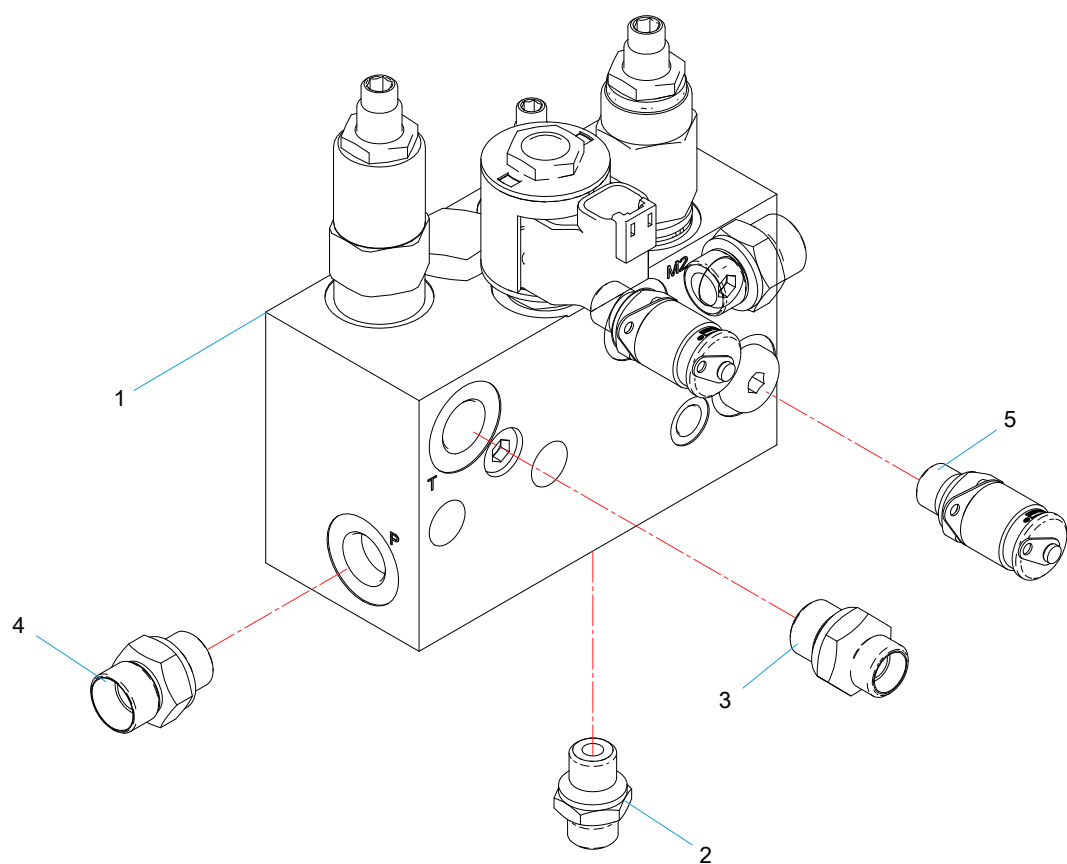
No.	Part No.	Qty.	Description
2	202990004067	1	Valve, balance

6.2.14 HIGH PRESSURE FILTER CONNECTOR INSTALLATION



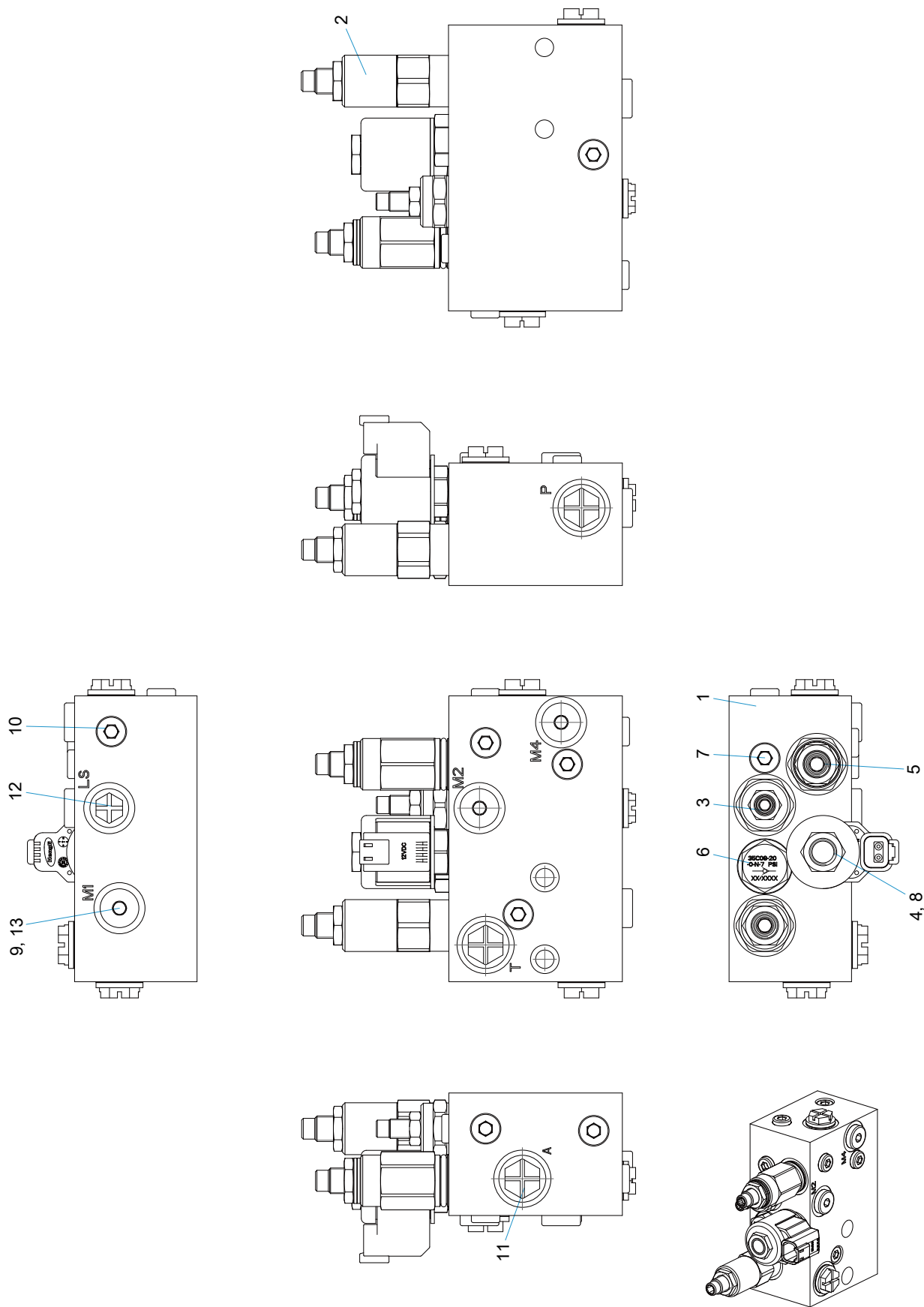
No.	Part No.	Qty.	Description
1	202080000046	1	High pressure filter (Interchangeable with 2)
1a	202080000048	1	Filter element
2	202080003017	1	High pressure filter (Interchangeable with 1)
2a	202080003018	1	Filter element
3	213010000014	2	Coupler

6.2.15 OSCILLATE CONTROL VALVE AND FITTINGS INSTALLATION



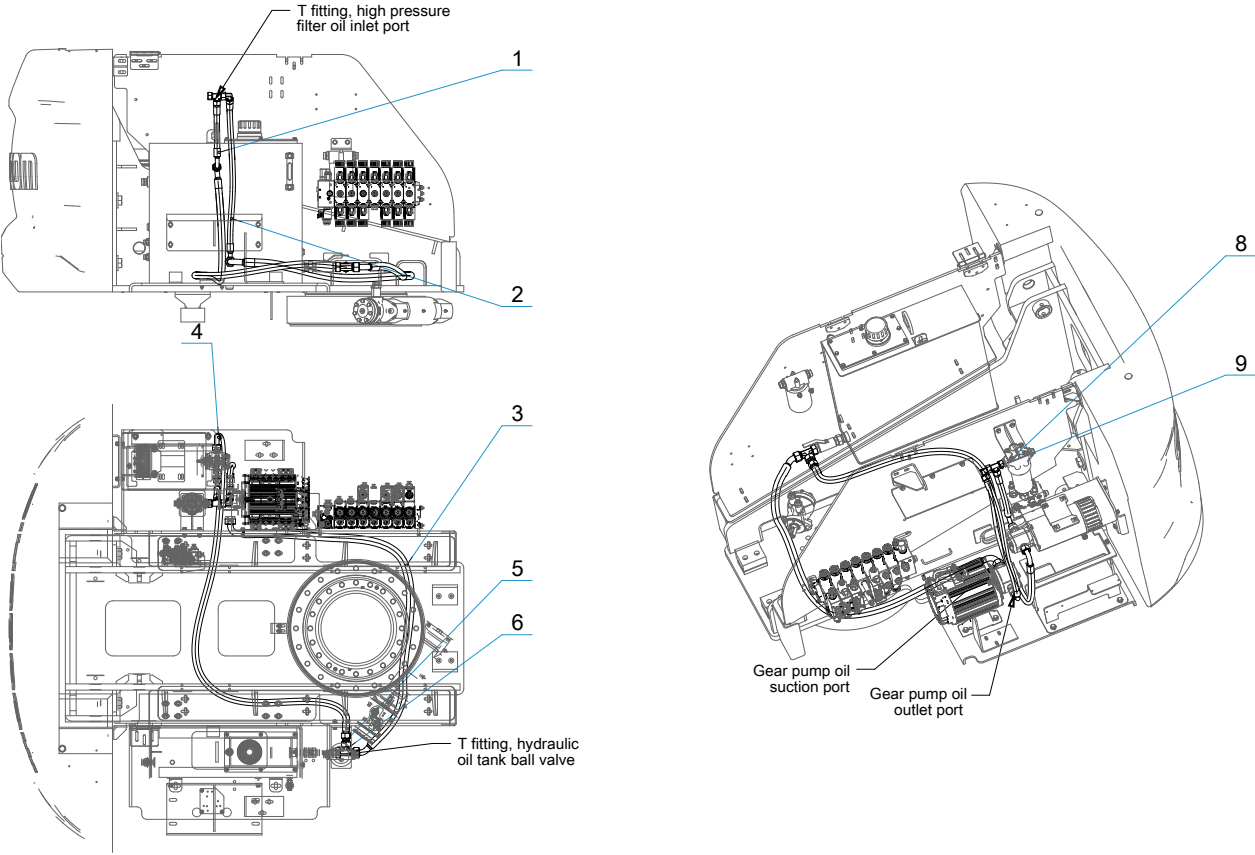
No.	Part No.	Qty.	Description
1	202040003875	1	Oscillate Control Valve(See Sec. 6.2.16 for details)
2	213010000007	1	Fitting
3	213010000006	1	Fitting
4	213010000005	2	Coupler
5	213010000010	2	Coupler

6.2.16 OSCILLATE CONTROL VALVE (PN.202040003875)



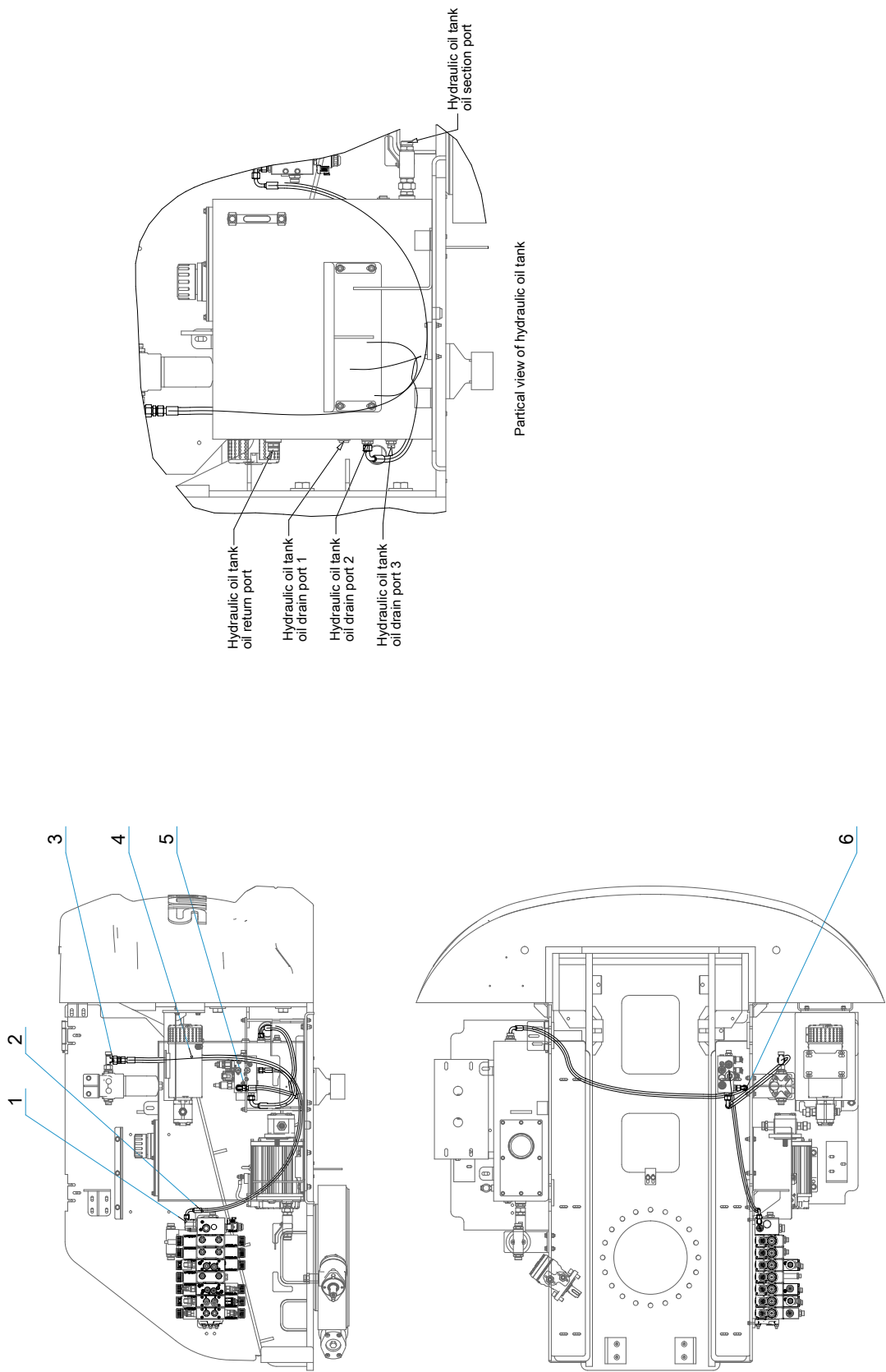
No.	Part No.	Qty.	Description
2	202990000155	1	Valve,pressure relief
3	202990003648	1	Valve,flow
4	202990000156	1	Valve,solenoid directional
5	202990000177	1	Valve,hydraulic directional
6	202990003653	1	Valve,check
7	202130003054	1	Damper
8	202990003624	1	Coil
13	202990000161	1	Screen,filter

6.2.17 PUMP AND AUXILIARY PUMP TUBES LAYOUT



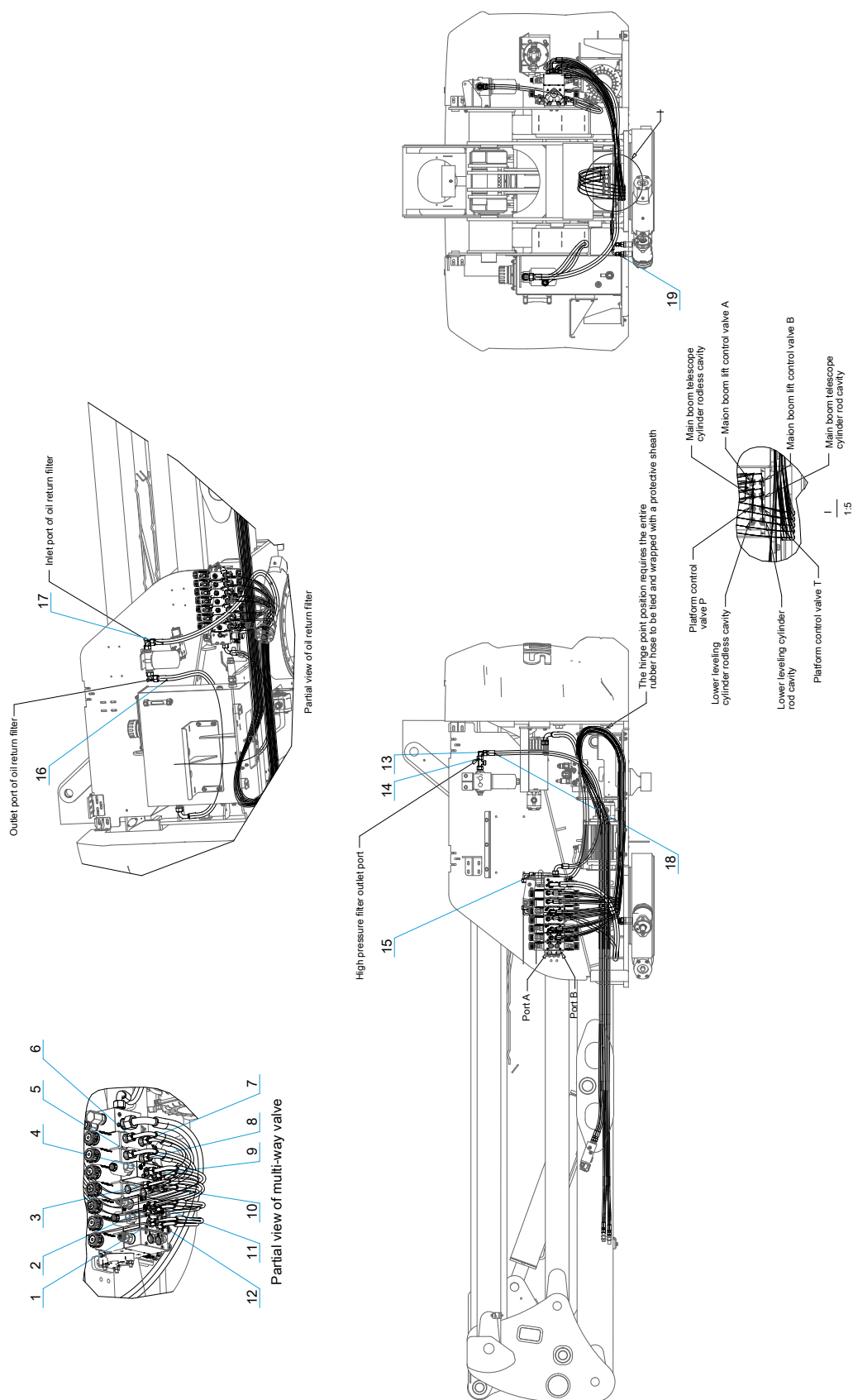
No.	Part No.	Qty.	Description
1	213050017348	1	Hose
2	213050000040	1	Hose
3	213050001692	1	Hose
4	213050019035	1	Hose
5	213010000104	1	Coupler
6	213010000043	1	Coupler
8	213010000078	1	Coupler
9	213010000008	1	Coupler

6.2.18 OSCILLATING PIPE LAYOUT DRAWING



No.	Part No.	Qty.	Description
1	213010000024	1	Coupler
2	213050008810	1	Hose
3	213010000011	1	Coupler
4	213050001553	1	Hose
5	213010000009	1	Coupler
6	213050000750	1	Hose

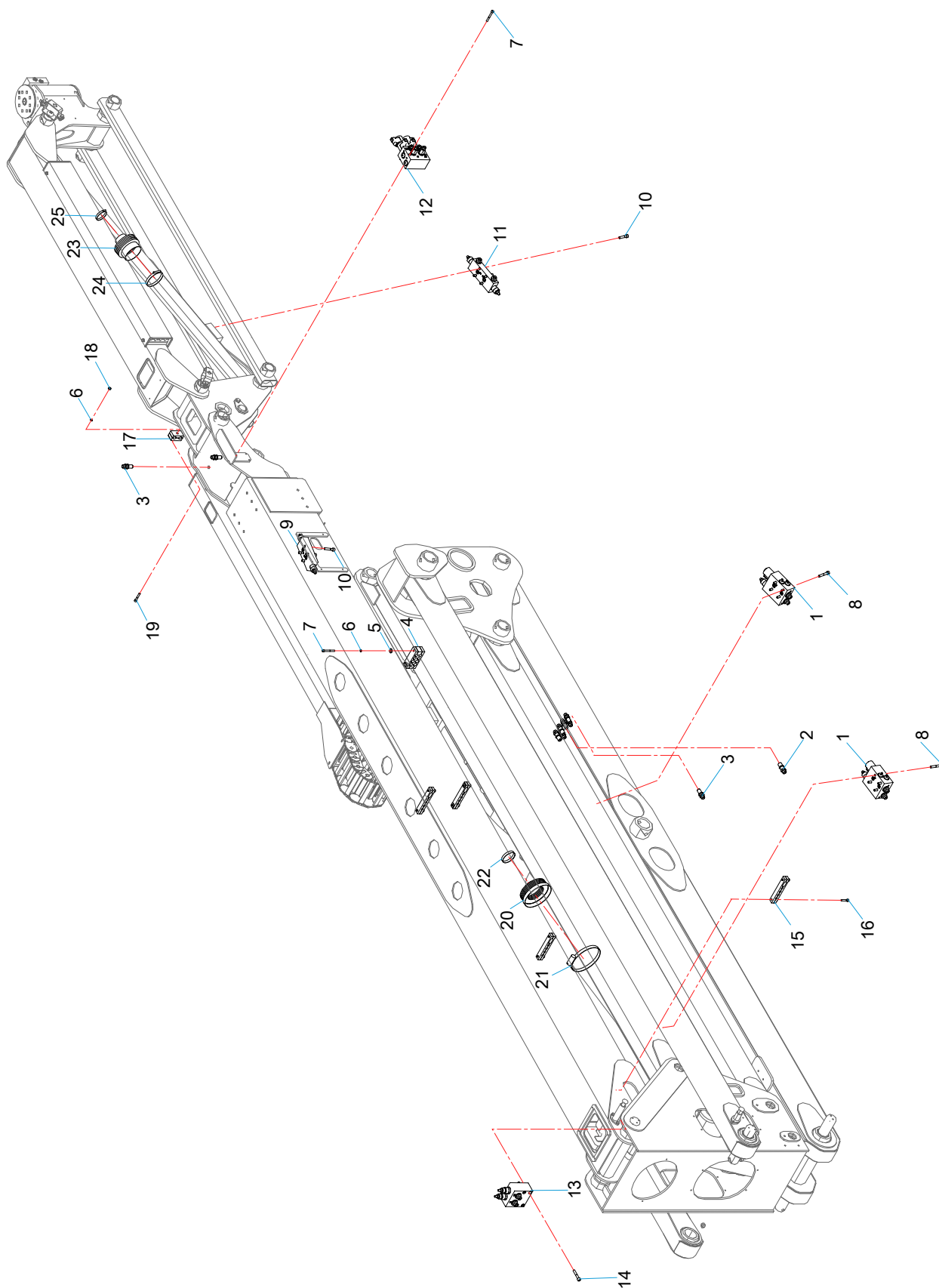
6.2.19 PIPE LAYOUT DRAWING OF MULTI-WAY VALVE



No.	Part No.	Qty.	Description
1	213050012442	1	Hose
2	213050014848	1	Hose
3	213050014847	1	Hose
4	213050014844	1	Hose
5	213050014845	1	Hose
6	213050017249	1	Hose
7	213050001547	1	Hose
8	213050014852	1	Hose
9	213050014851	1	Hose
10	213050014849	1	Hose
11	213050014850	1	Hose
12	213050012443	1	Hose
13	213010000008	1	Coupler
14	213010000078	1	Coupler
15	213010000067	2	Coupler
16	213050000961	1	Hose
17	213050005064	1	Hose
18	213050003057	1	Hose
19	213010000025	2	Coupler

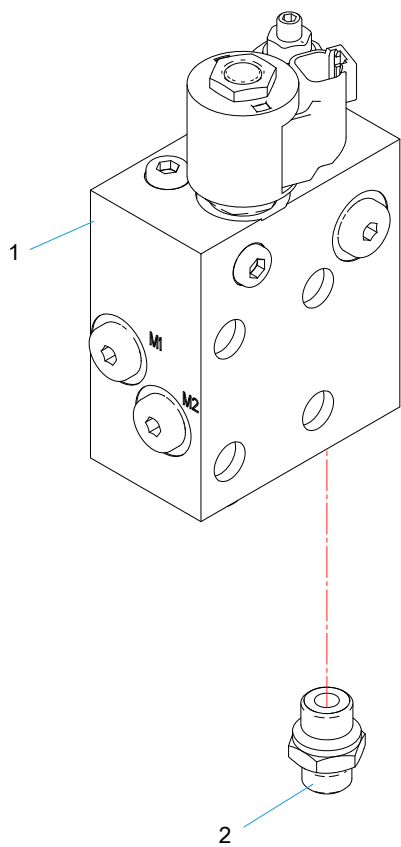
6.3 HYDRAULIC SYSTEM COMPONENTS OF BOOM

6.3.1 BOOM HYDRAULIC COMPONENTS INSTALLATION



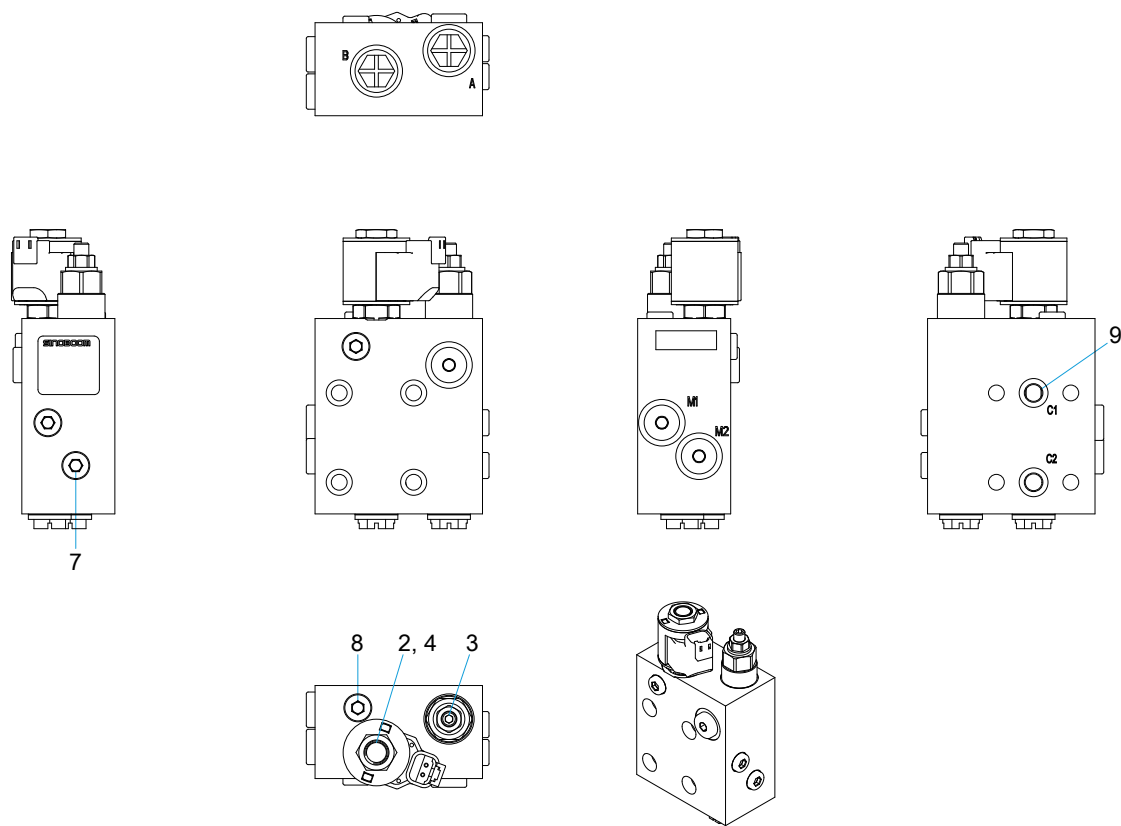
No.	Part No.	Qty.	Description
1		2	Lifting Control Valve and Fittings Installation(See Sec. 6.3.2 for details)
2	213010000093	4	Coupler
3	213010000139	6	Coupler
4	103011053044	1	Clamp, self-made
5	215040000133	12	Washer 6-200HV-A2 GT/B 96.1
6	215040000004	11	Washer 6-A2-70 GB/T 93
7	215020000019	6	Screw M6×55-A2-70 GB/T 70.1
8	215020000036	8	Screw M8×55-10.9-DKL GB/T 70.1
9		1	OPT, valve (counterbalance, leveling)
9-1	202040003614	1	2-way Counterbalance Valve (See Sec. 6.3.4 for details)
10	215020000029	8	Screw M8×40-10.9-DKL GB/T 70.1
11		1	Jib Counterbalance Valve and Fittings Installation(See Sec. 6.3.5 for details)
12		1	Platform Duplex Valve and Fittings Installation(See Sec. 6.3.6 for details)
13		1	Telescoping Counterbalance Valve and Fittings Installation(See Sec. 6.3.8 for details)
14	215020000033	4	Screw M8×50-10.9-DKL GB/T 70.1
15	103011053081	4	Clamp, self-made
16	215020000014	8	Screw M6×30-A2-70 GB/T 70.1
17	216010003001	1	Clamp
18	215030000004	1	Nut M6-A2-70 GB/T 6170
19	215020000016	1	Screw M6×40-A2-70 GB/T 70.1
20	104011050018	1	Bellow, piston rod (lift cylinder, main boom)
21	216020000022	1	Clamp, hose
22	216020000007	1	Clamp
23	103005050008	1	Bellow, cylinder
24	216020000009	1	Hose clamp
25	216020000003	1	Clamp

6.3.2 LIFTING CONTROL VALVE AND FITTINGS INSTALLATION



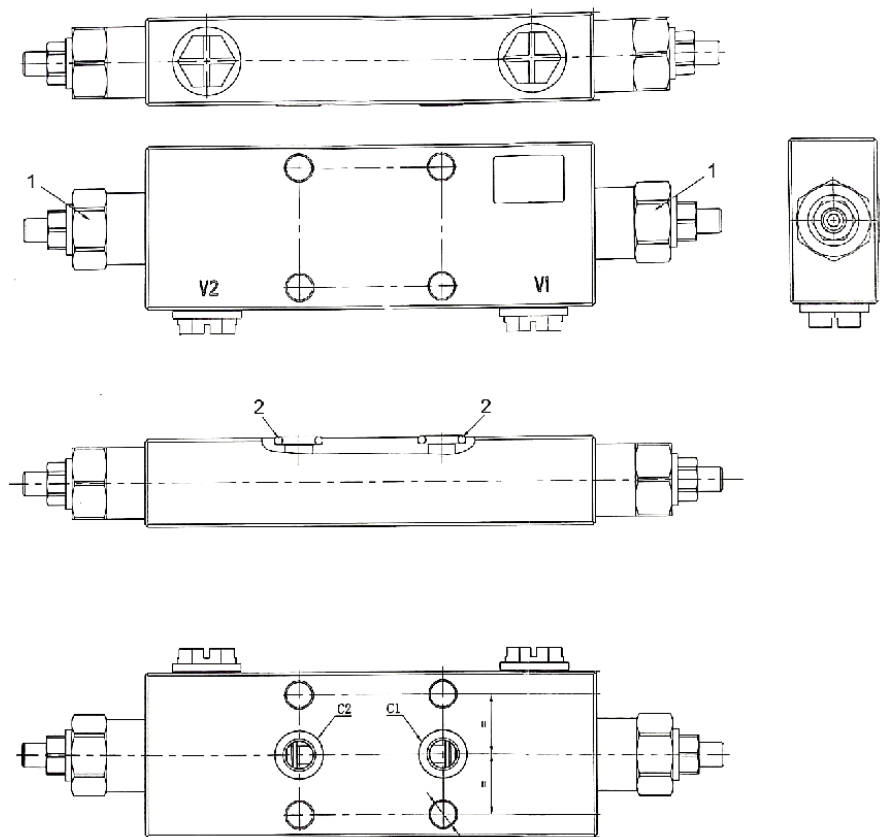
No.	Part No.	Qty.	Description
1	202040003866	1	Lifting Control Valve(See Sec. 6.3.3 for details)
2	213010000006	2	Fitting

6.3.3 LIFTING CONTROL VALVE (PN.202040003866)



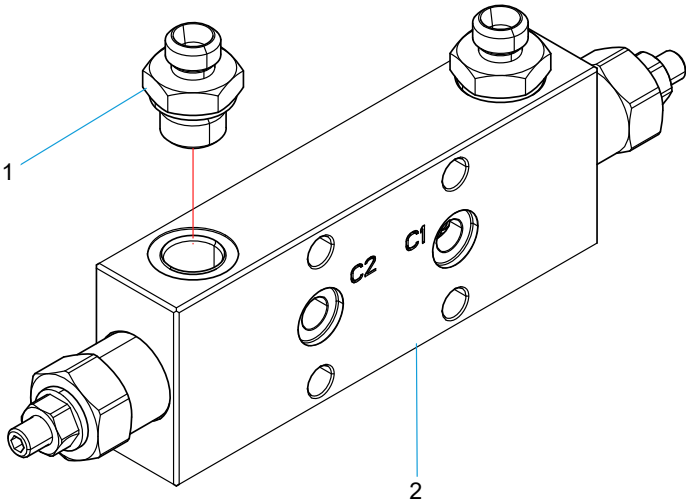
No.	Part No.	Qty.	Description
2	202990000166	1	Valve, throttle (proportional)
3	2029900003601	1	Valve, balance
4	2029900003624	1	Coil
7	2021300000008	1	Damper plug
8	2021300003011	1	Damper
9	2070400003003	2	O-ring

6.3.4 2-WAY COUNTERBALANCE VALVE (PN.202040003614)



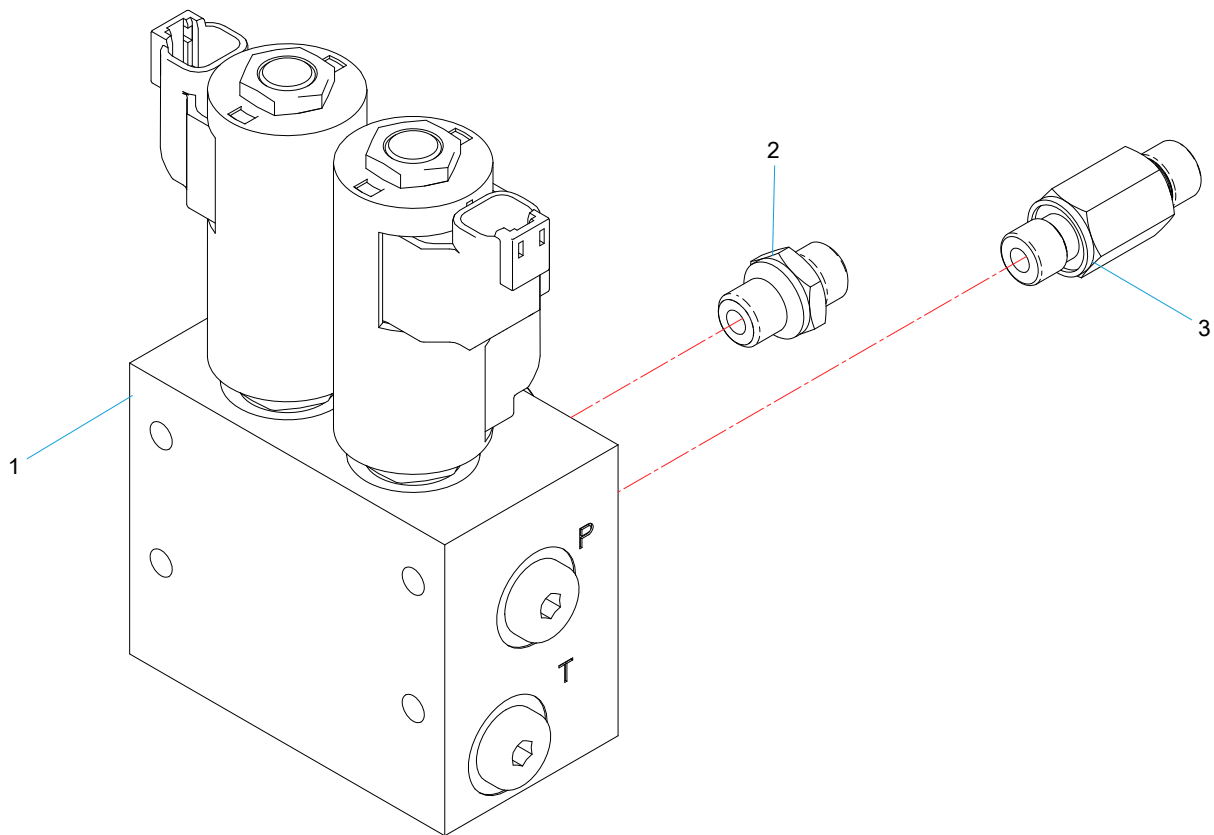
No.	Part No.	Qty.	Description
1	202040003644	2	Counterbalance valve
2	207040003049	2	O-ring

6.3.5 JIB COUNTERBALANCE VALVE AND FITTINGS INSTALLATION



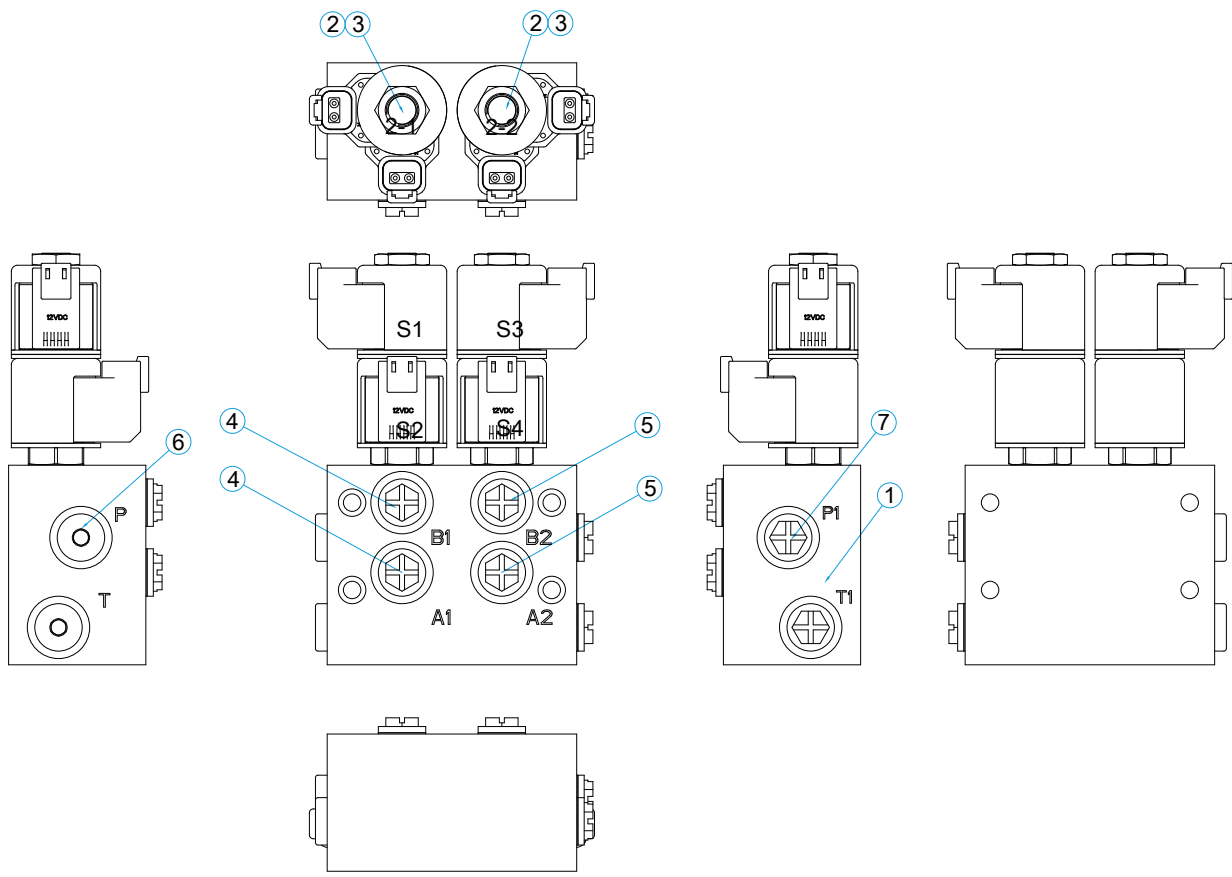
No.	Part No.	Qty.	Description
1	213010000047	2	Fitting
2	202040003614	1	2-way Counterbalance Valve (See Sec. 6.3.4 for details)

6.3.6 PLATFORM DUPLEX VALVE AND FITTINGS INSTALLATION



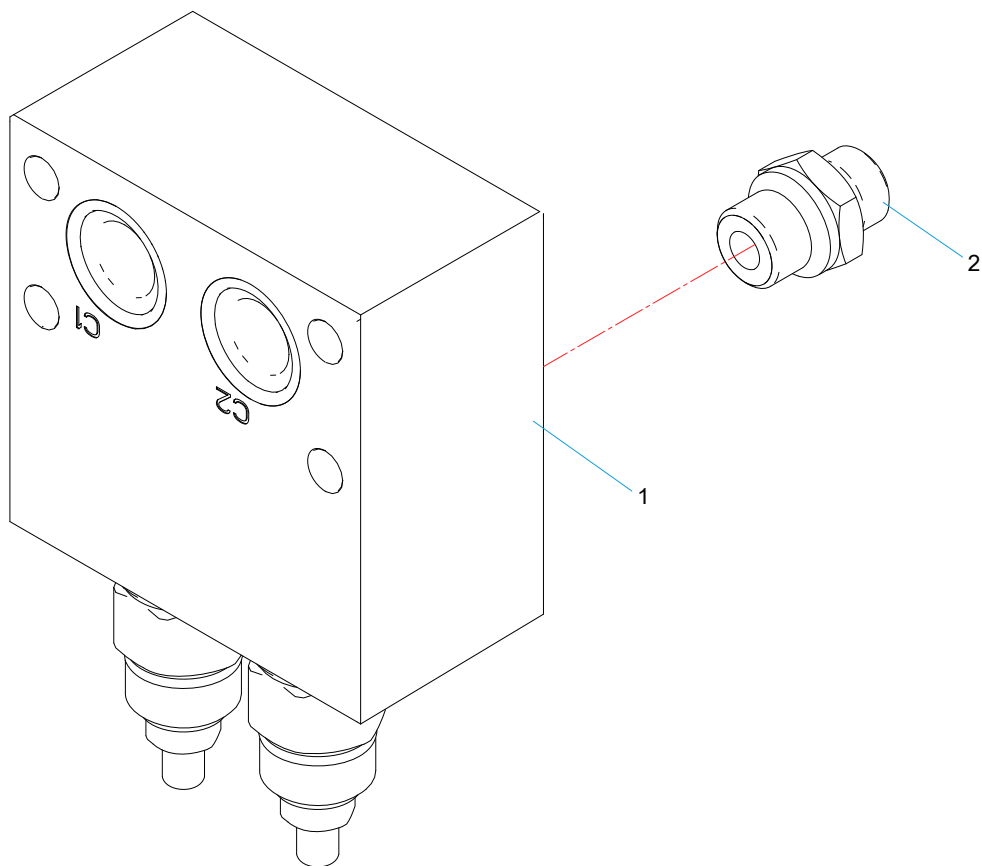
No.	Part No.	Qty.	Description
1	202040003871	1	Platform duplex valve(See Sec. 6.3.7 for details)
2	213010000007	2	Fitting
3	105030050010	2	Fitting, heightened

6.3.7 PLATFORM DUPLEX VALVE (PN.202040003871)



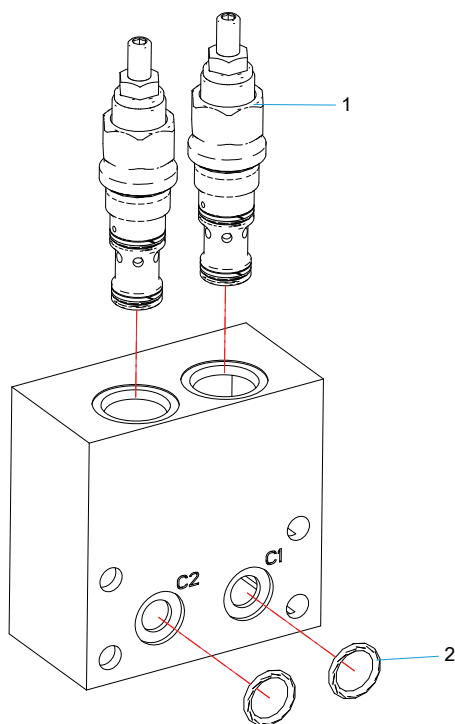
No.	Part No.	Qty.	Description
2	202990004050	2	Valve,telescope counterbalance
3	202990003624	4	Coil
4	202130000008	2	Damper plug
5	202130000001	2	Damper

6.3.8 TELESCOPING COUNTERBALANCE VALVE AND FITTINGS
INSTALLATION



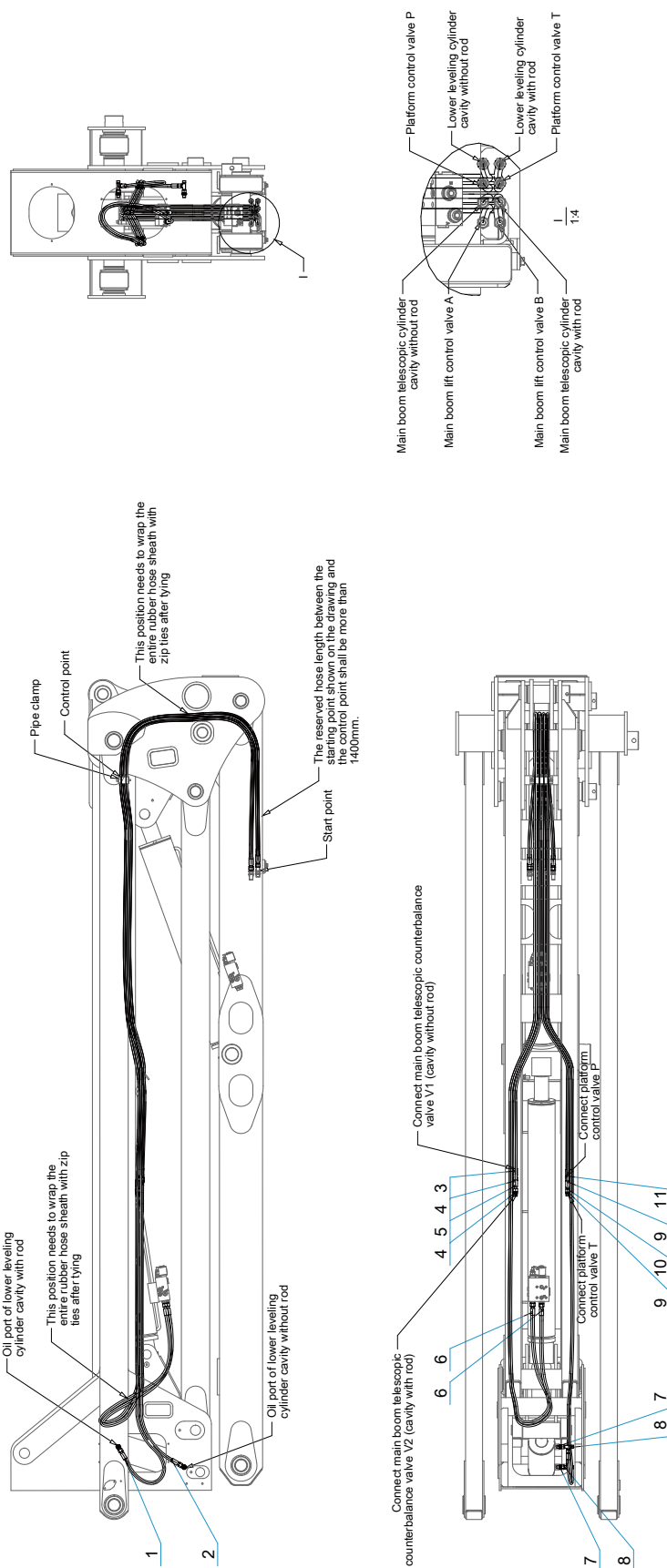
No.	Part No.	Qty.	Description
1	202040003869	1	Telescoping Counterbalance Valve(See Sec. 6.3.9 for details)
2	213010000006	2	Fitting

6.3.9 TELESCOPING COUNTERBALANCE VALVE (PN.202040003869)



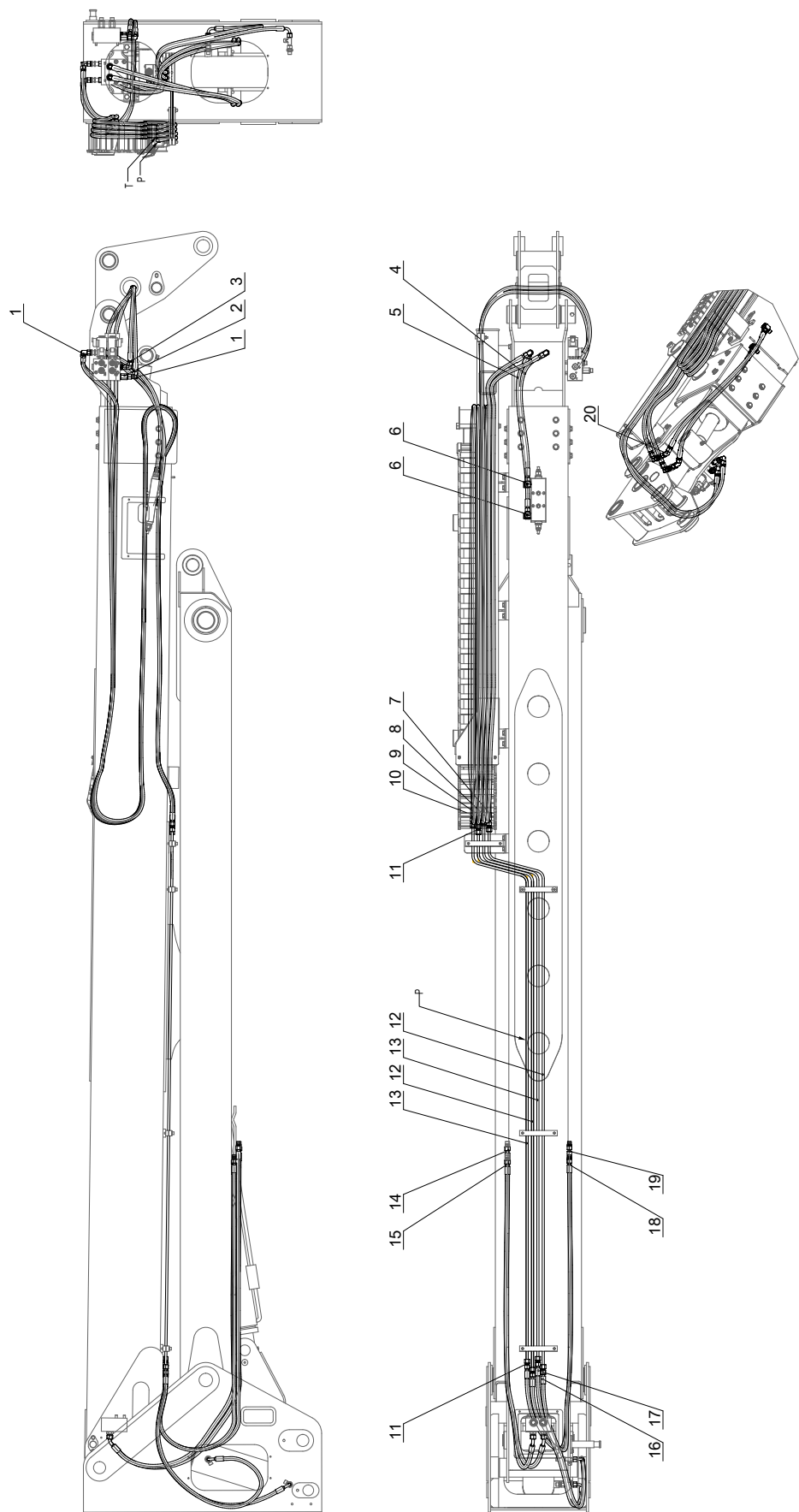
No.	Part No.	Qty.	Description
1	202990000162	2	Valve,counterbalance
2	202990000052	2	O-ring

6.3.10 TOWER BOOM TUBES LAYOUT



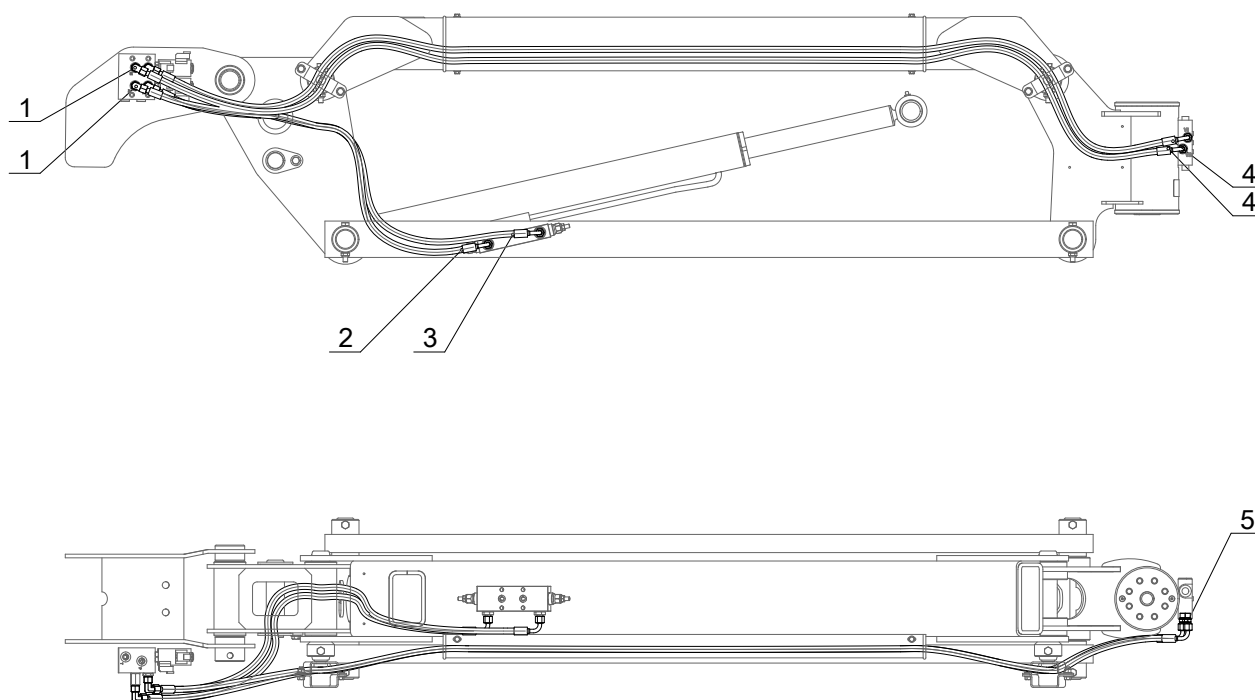
No.	Part No.	Qty.	Description
1	213050012439	1	Hose
2	213050014873	1	Hose
3	213050014684	1	Hose
4	213010000126	2	Coupler
5	213050008767	1	Hose
6	213050008771	2	Hose
7	213010000007	2	Fitting
8	213010000026	2	Coupler
9	213010000054	2	Coupler
10	213050012272	1	Hose
11	213050014874	1	Hose

6.3.11 BASE BOOM TUBES LAYOUT



No.	Part No.	Qty.	Description
1	213010000024	4	Coupler
2	105030050010	1	Fitting, heightened
3	213010000007	1	Fitting
4	213050003135	1	Hose
5	213050014340	1	Hose
6	213010003029	2	Coupler
7	213050012440	1	Hose
8	213050012474	1	Hose
9	213050012473	1	Hose
10	213050012475	1	Hose
11	213010000054	8	Coupler
12	103011053115	2	ASSY, pipe (steel)
13	103011053113	2	ASSY, pipe (steel)
14	213050010674	1	Hose
15	213050013945	1	Hose
16	213050008351	1	Hose
17	213050003115	1	Hose
18	213050013948	1	Hose
19	213050003119	1	Hose
20	213010003290	2	Coupler

6.3.12 PIPE LAYOUT DRAWING OF JIB BOOM



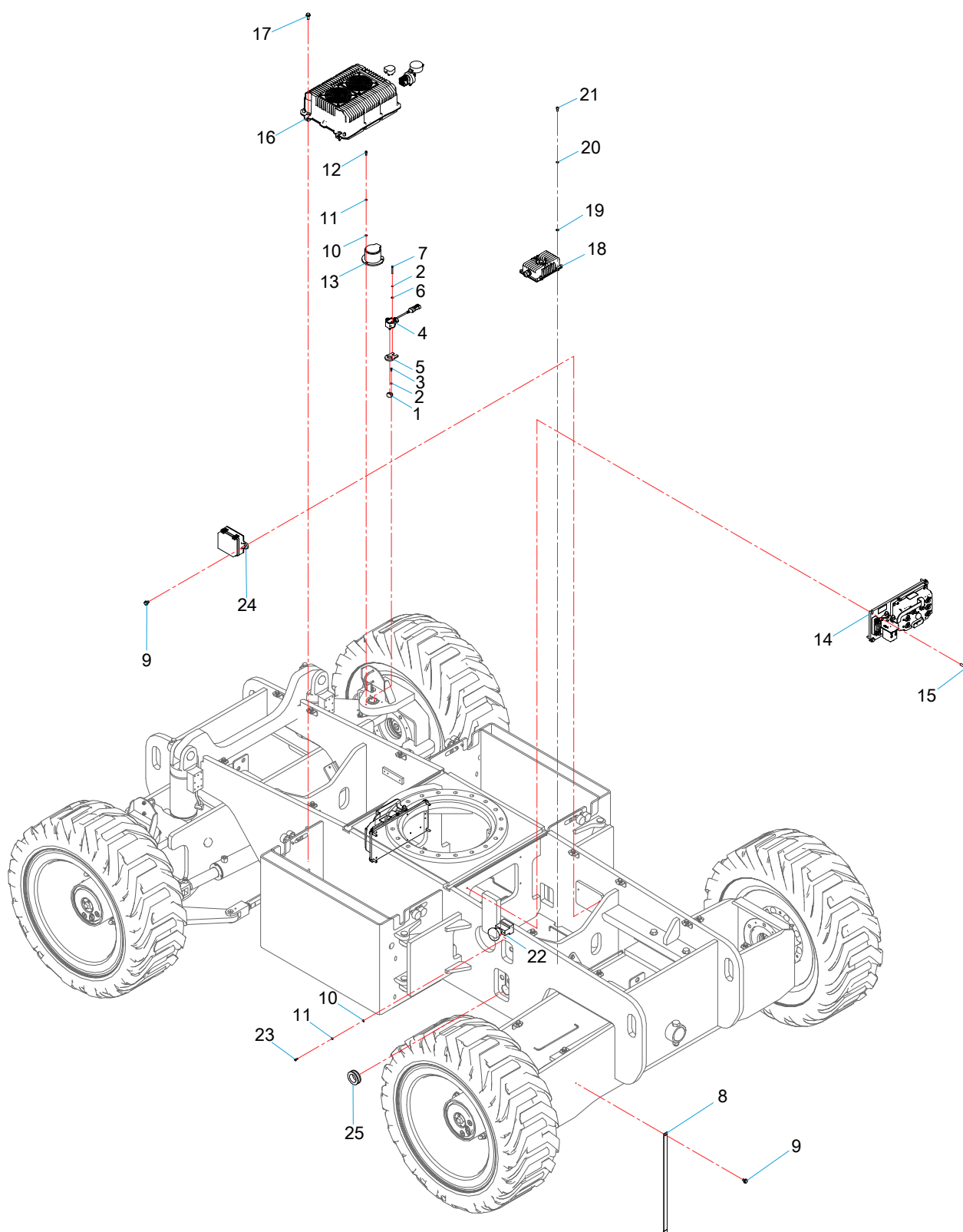
No.	Part No.	Qty.	Description
1	213010000024	4	Coupler
2	213050000091	1	Hose
3	213050008353	1	Hose
4	213050000769	2	Hose
5	213010000013	2	Coupler

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7 ELECTRICAL SYSTEM

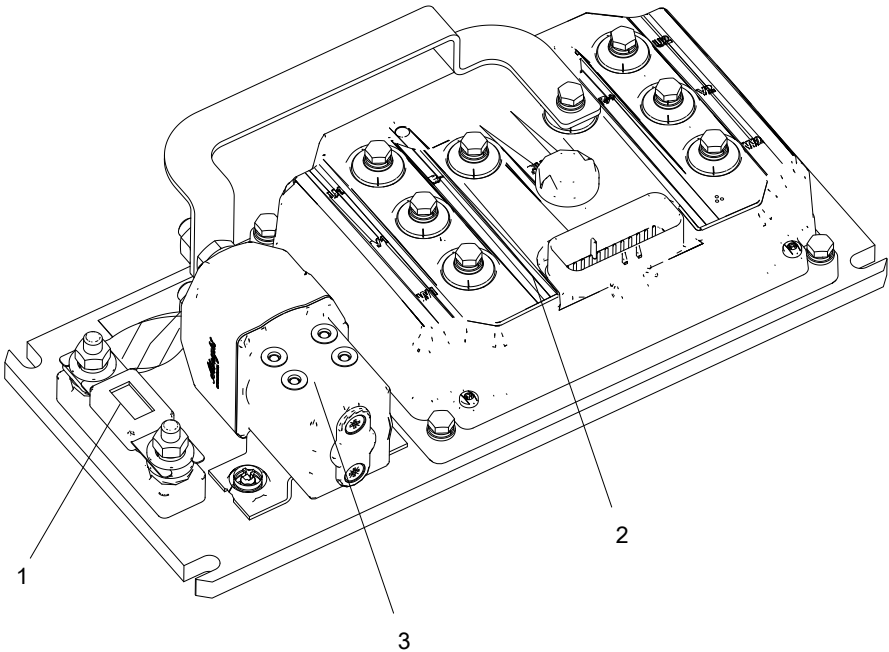
7.1 CHASSIS ELECTRICAL SYSTEM

7.1.1 CHASSIS ELECTRICAL COMPONENTS INSTALLATION



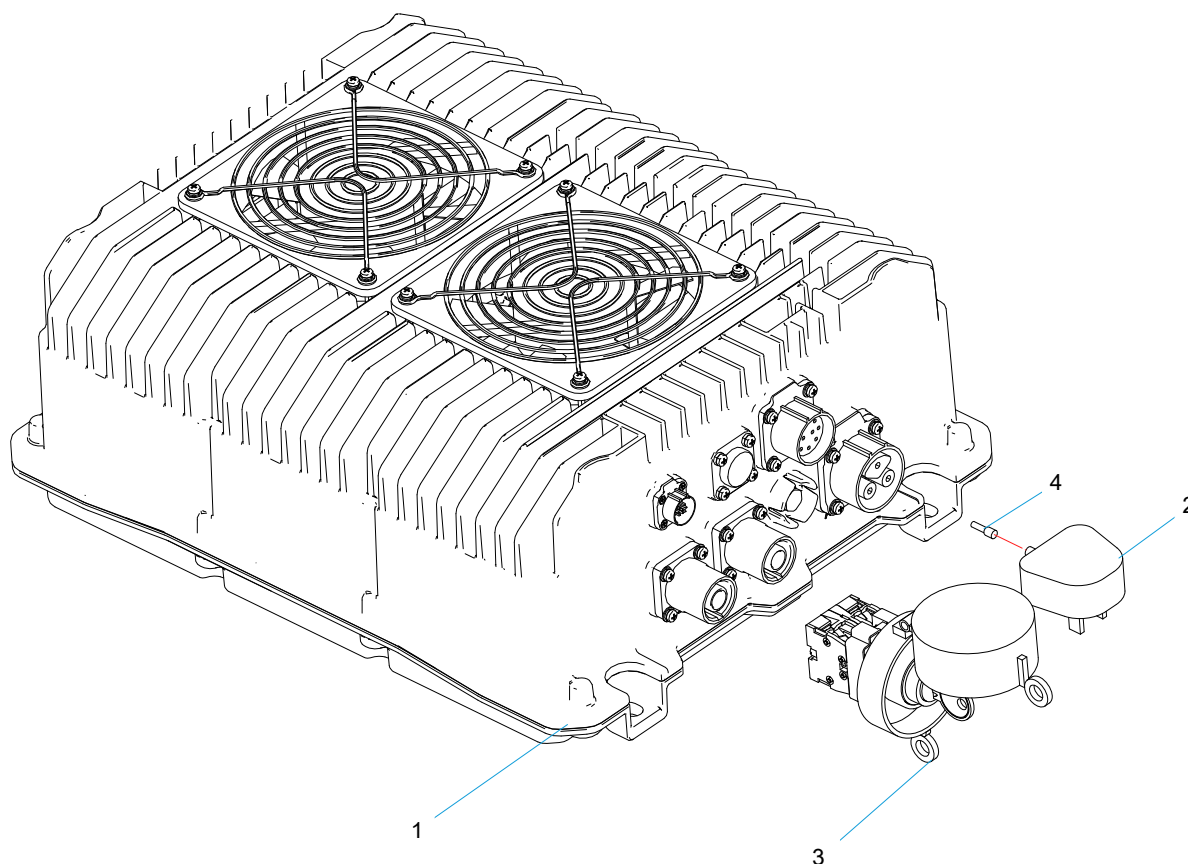
No.	Part No.	Qty.	Description
1	101016010062	1	Flange
2	215040000002	4	Washer 4-A2-70 GB/T 93
3	215020000001	2	Screw M4×10-A2-70 GB/T 70.1
4		1	Relative Angle Sensor Options
4-1	203150000046	1	Sensor, angle (Interchangeable with 2, 3 and 4)
4-2	203150003049	1	Angle sensor (Interchangeable with 1, 3 and 4)
4-3	203150003083	1	Angle sensor (Interchangeable with 1, 2 and 4)
4-4	203150003091	1	Angle sensor (Interchangeable with 1, 2 and 3)
5	103003030108	1	Detection plate
6	215040000031	2	Washer 4-A2 GB/T 97.1
7	215020000212	2	Screw M4×35-A2-70 GB/T 818
8	203160000007	1	Band, conductive
9	215010000233	3	Bolt M8×12-8.8-ZnD GB/T 5789
10	215040000032	5	Washer 5-A2 GB/T 97.1
11	215040000003	5	Washer 5-A2-70 GB/T 93
12	215020000006	3	Screw M5×12-A2-70 GB/T 70.1
13	103008030066	1	Cover , protect
14		2	OPT, ASSY (controller, travel ELEC motor)
14-1	203020003159	1	Motor Controller(See Sec. 7.1.2 for details)
15	215010000236	8	Bolt M8×30-8.8-ZnD GB/T 5789
16		1	Charger Installation Options
16-1		1	Charger Installation(See Sec. 7.1.3 for details)
17	215010000234	4	Bolt M8×20-8.8-ZnD GB/T 5789
18		1	OPT, DC/DC convertor
18-1	203190003026	1	DC/DC covertor
19	215040000033	4	Washer 6-A2 GB/T 97.1
20	215040000004	4	Washer 6-A2-70 GB/T 93
21	215020000010	4	Screw M6×12-A2-70 GB/T 70.1
22		1	Power Switch Options
22-1	203060000024	1	Power switch
23	215020000110	2	Screw M5×12-A2-70 GB/T 818
24		1	OPT, box (relay)
24-1	203040003003	1	Relay box
25	102004030245	1	Rubber grommet
26	103011063339	1	Cable,extend (power switch) (Not Shown)

7.1.2 MOTOR CONTROLLER (PN.203020003159)



No.	Part No.	Qty.	Description
1	203070003039	1	Fuse
2	203020003162	1	Controller, ELEC motor (2AC)
3	203040003036	1	Contactor

7.1.3 CHARGER INSTALLATION



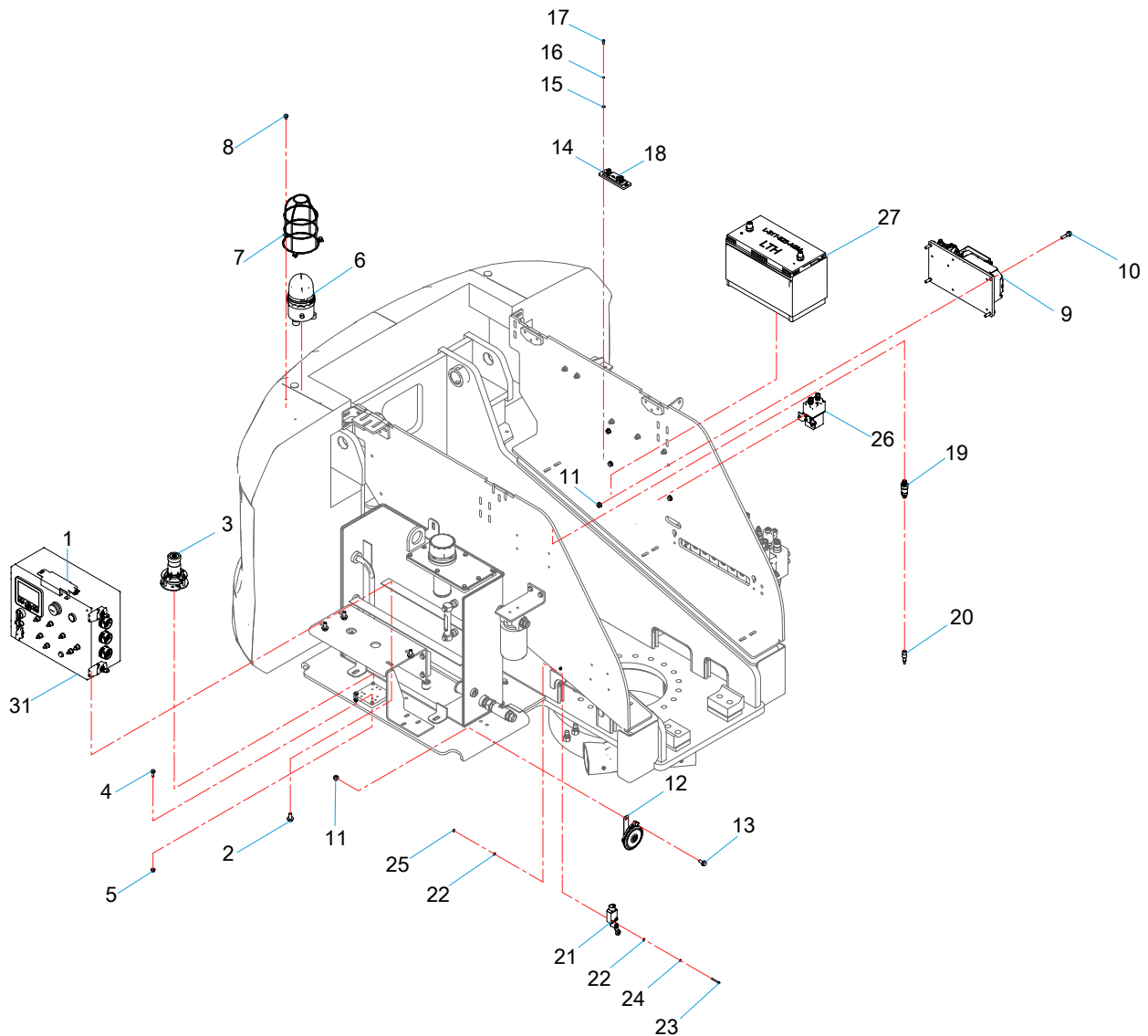
No.	Part No.	Qty.	Description
1	203100003290	1	Charger
2		1	Charger Plug Options
2-1	203080003098	1	Cable, plug (charger)
3		1	OPT, ASSY (key switch)
3-1	203060003189	1	ASSY,key switch
3-1a	203990003199	1	Key switch
3-1b	203990003140	1	Waterproof cover
4	203080000415	3	Terminal
5	101065103007	1	Decal-charging plug(100-240V,2KW) (Not Shown)
6	103013100020	1	Decal, charger switch (Not Shown)

7.2 TURNTABLE ELECTRICAL SYSTEM

7.2.1 TURNTABLE ELECTRICAL SYSTEM

No.	Part No.	Qty.	Description
1		1	Turntable Electrical Components Installation Options
1-1		1	Turntable Electrical Components Installation(See Sec. 7.2.2 for details)
2		1	OPT, harness (turntable)
2-1	103011063093	1	Turntable Harness
3	114030060028	1	Contactor wiring harness (See Sec. 7.2.9 for details)

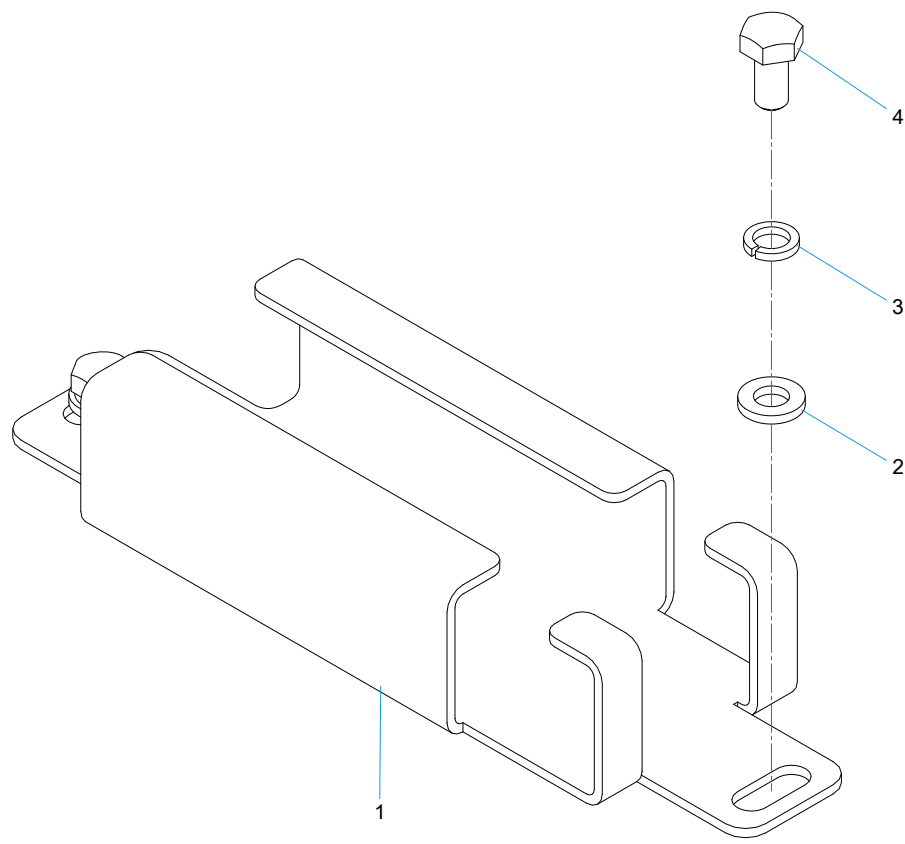
7.2.2 TURNTABLE ELECTRICAL COMPONENTS INSTALLATION



No.	Part No.	Qty.	Description
1		1	GPS Installation Options
1-1		1	GPS Installation (Track unit)(See Sec. 7.2.3 for details)
2	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
3		1	OPT, INST (switch, level)
3-1		1	Level sensor Installation(See Sec. 7.2.4 for details)
4	215010000231	3	Bolt M6×20-8.8-ZnD GB/T 5789
5	215030000107	3	Nut M6-A2-70 GB/T 6183.1
6		1	Caution Light Options
6-1	203050000070	1	Light, caution
7	105021060024	1	Guard, light (warning)
8	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
9		1	Oil Pump Motor Controller Options
9-1	203020003161	1	Motor Controller(See Sec. 7.2.5 for details)
10	215010000296	4	Bolt M8×35-8.8 ZnD GB/T 5789
11	215030000108	5	Nut M8-8-ZnD GB/T 6183.1
12		1	Horn Options
12-1	203050000034	1	Horn
13	215010000234	1	Bolt M8×20-8.8-ZnD GB/T 5789
14	203070000056	1	Fuse holder
15	215040000032	2	Washer 5-A2 GB/T 97.1
16	215040000003	2	Washer 5-A2-70 GB/T 93
17	215020000110	2	Screw M5×12-A2-70 GB/T 818
18		1	Fuse (Optional)
18-1	203070003054	1	Fuse
19		1	Pressure Sensor Options
19-1	203150000055	1	Sensor, pressure (1 and 2 are interchanged)
19-2	203150003078	1	Pressure sensor (2 and 1 are interchanged)
20	203080003094	1	Plug with cable
21		1	OPT, switch (travel)
21-1	203060000146	1	Switch, travel (SND)
22	215040000031	4	Washer 4-A2 GB/T 97.1
23	215020000212	2	Screw M4×35-A2-70 GB/T 818
24	215040000002	2	Washer 4-A2-70 GB/T 93
25	215030000002	2	Nut M4-8-A2-70 GB/T 6170
26		1	Charger Installation Options
26-1		1	Contactor Installation (MSD)(See Sec. 7.2.6 for details)
27		1	OPT, battery(maintenance-free)
27-1	203100003158	1	Maintenance-free battery (BF-100Ah)
27-2	203100003337	1	Battery, maintenance-free (LTH-100Ah)
28	203080000250	1	Connector, battery (positive and negative in pairs) (Not shown)
29	203100000053	1	Sheath, flexible (L, red) (Not shown)
30	203100000051	1	Sheath, flexible (L, black) (Not shown)

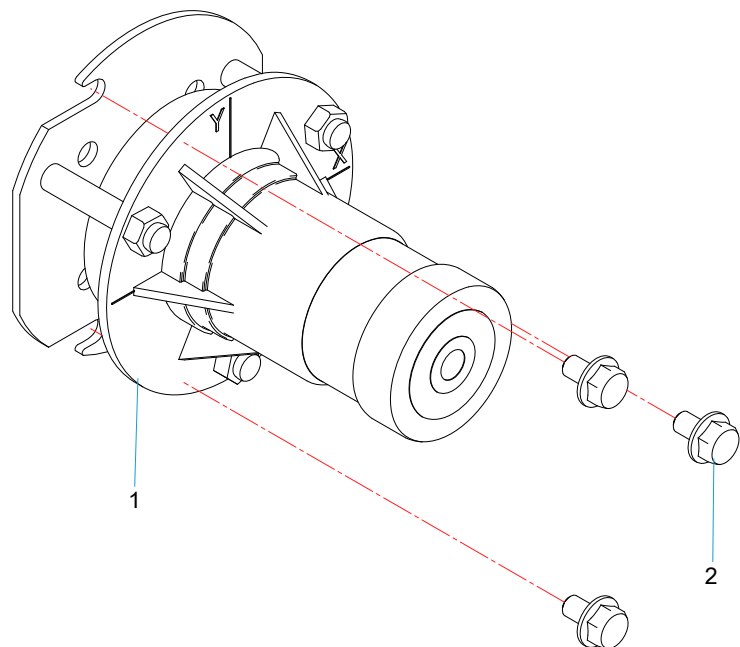
No.	Part No.	Qty.	Description
31		1	Turntable Controller Assembly Options
31-1		1	ASSY, control box(turntable, Oversea factory)
31-1a	103011063127	1	Turntable Controller Assembly (without controller)(See Sec. 7.2.7 for details)
31-1b	203020000038	1	Controller

7.2.3 GPS INSTALLATION (TRACK UNIT)



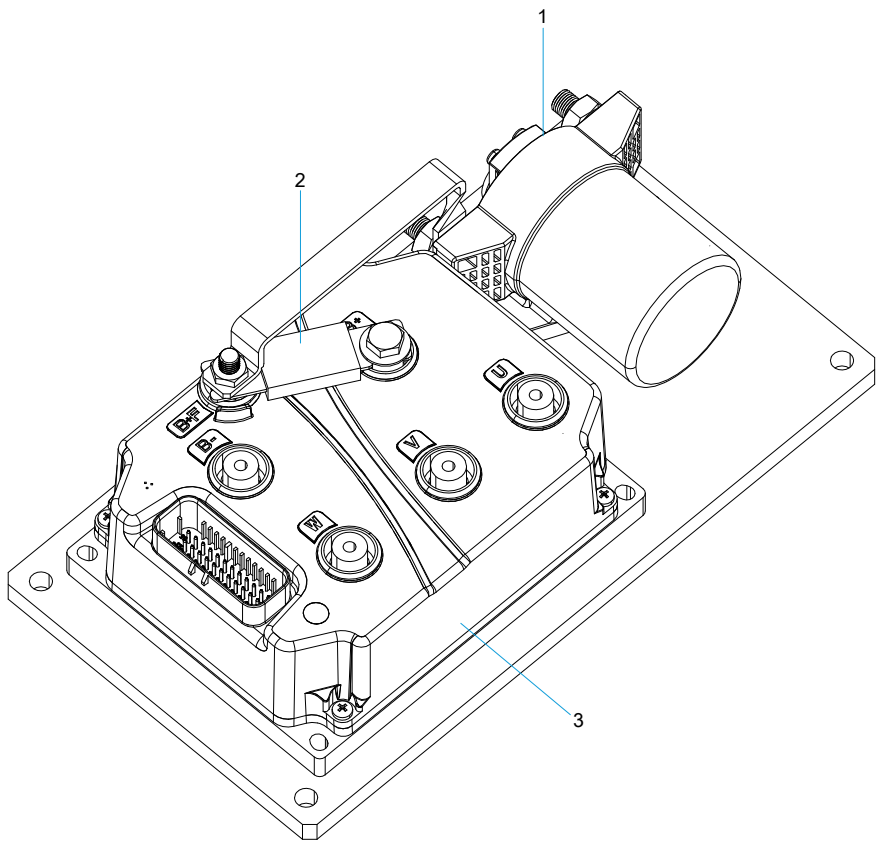
No.	Part No.	Qty.	Description
1	105071020002	1	Plate
2	215040000033	2	Washer 6-A2 GB/T 97.1
3	215040000004	2	Washer 6-A2-70 GB/T 93
4	215010000049	2	Bolt M6×12-A2-70 GB/T 5783

7.2.4 LEVEL SENSOR INSTALLATION



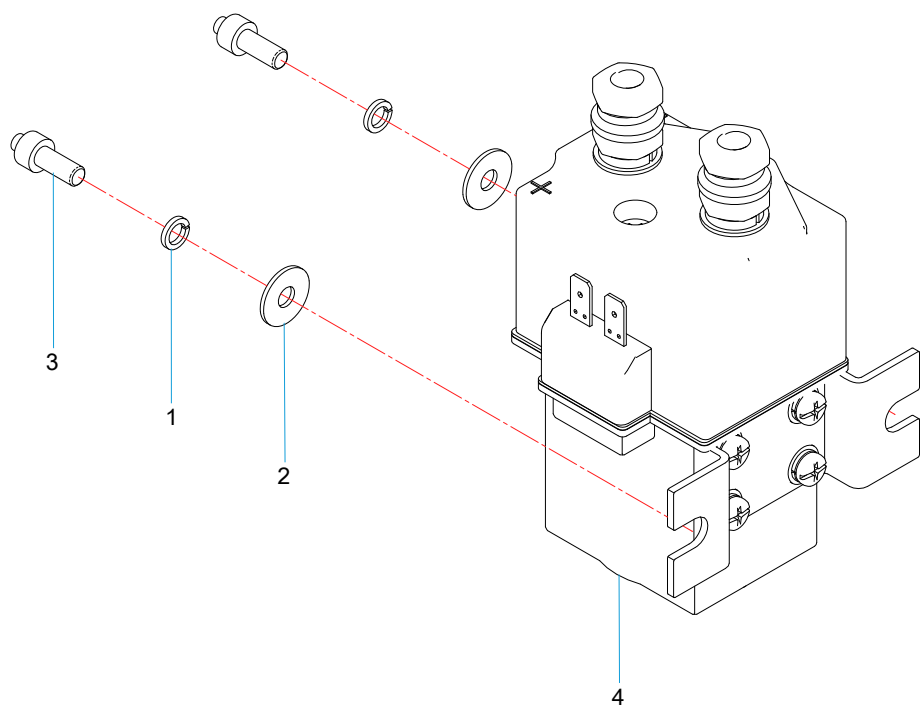
No.	Part No.	Qty.	Description
1	203150000039	1	Level switch (CE, UL)
2	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789

7.2.5 MOTOR CONTROLLER (PN.203020003161)



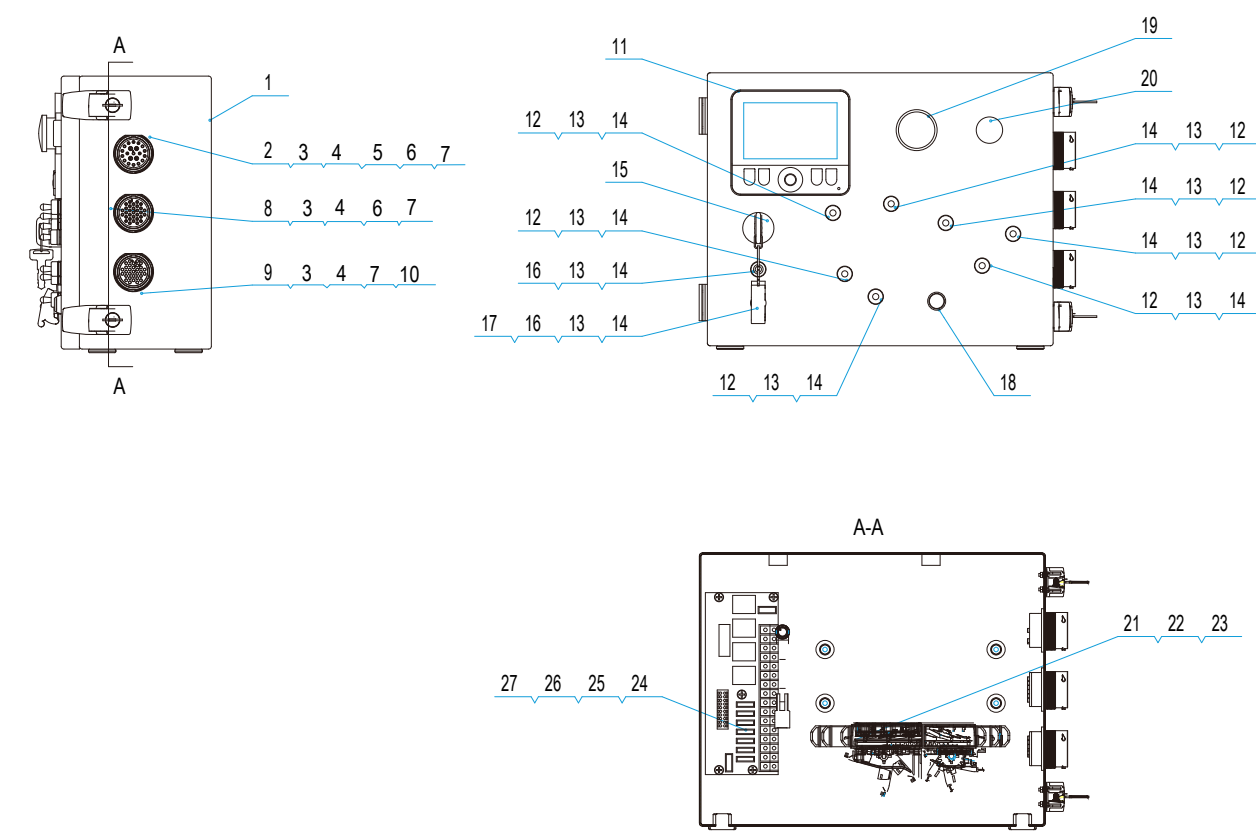
No.	Part No.	Qty.	Description
1	203990003055	1	Contactor
2	203990003030	1	Fuse
3	203990003056	1	Controller, ELEC motor

7.2.6 CONTACTOR INSTALLATION (MSD)



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

7.2.7 TURNTABLE CONTROLLER ASSEMBLY (WITHOUT CONTROLLER)
(PN.103011063127)

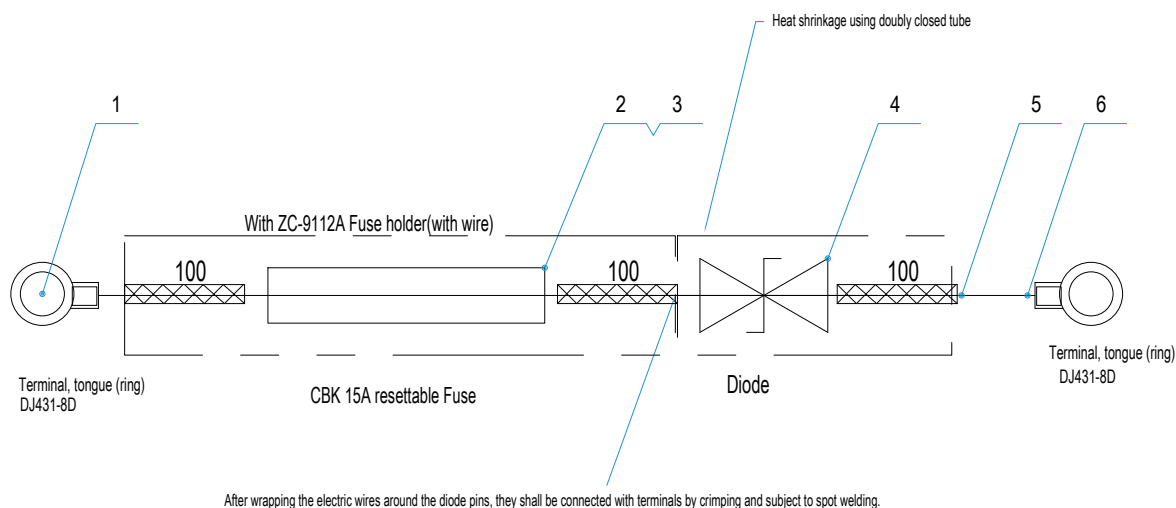


No.	Part No.	Qty.	Description
1	103011063023	1	Turntable Controller
2	203080000518	1	21-pin male terminal sheath
3	203060000098	3	Metal spring plate
4	203060000101	3	Retaining nut
5	203060000103	4	#12 male connector
6	203080000033	31	Male connector
7	203080000068	29	Blind plug
8	203080000523	1	31-pin male connector sheath
9	203080000516	1	31-pin female connector sheath
10	203080000041	19	Female connector
11	203200000008	1	Screen, display
12	203060000003	7	Toggle switch
13	203080000101	9	Waterproof cap
14	203080000109	9	Nut
15	203060000066	1	Key switch
16	203060000021	2	Toggle switch
17	203060000150	1	Toggle switch guard
18	203060000020	1	Button

No.	Part No.	Qty.	Description
19	203060000142	1	Switch, emergency stop
20	203050003021	1	Buzzer
21	203080000378	1	Connector, controller
22	215040003034	8	Nylon Washer 6-PA66
23	215010003054	4	Nylon Bolt M6×25-4.8-PA66
24	203030000015	1	Relay integration board
25	215040000032	5	Washer 5-A2 GB/T 97.1
26	215040000003	5	Washer 5-A2-70 GB/T 93
27	215020000110	5	Screw M5×12-A2-70 GB/T 818
28	103011063017	1	Surface film, control box (turntable) (Not shown)
29	103011063018	1	PC film, turntable controller (Not shown)
30	103011063001	1	Turntable Controller Harness (Not shown)(See Sec. 7.2.8 for details)

No.	Part No.	Qty.	Description
1	203080003514	30	Terminal, FOT
2	203080000022	1	Heat shrink tube
3	203080000036	4	Cold-pressed terminal
4	203080000404	2	Sheath
5	203080000032	2	Lock
6	203080000041	8	Female connector
7	203080000068	6	Blind plug
8	203080000473	2	Waterproof cover
9	203080000562	5	Thin-wall wire
10	203080000563	7	Thin-wall wire
11	203080000564	15	Thin-wall wire
12	203080000133	2	Terminal, blade-hole type
13	203080000044	1	Sheath
14	203080000020	1	Lock
15	203080000405	1	Sheath
16	203080004379	1	Lock
17	203080000033	11	Male connector
18	203080000086	1	Connector
19	203080003216	1	Sheath
20	203080003218	7	AMP terminal
21	203080003543	2	Terminal, tubular (pre-insulated)
22	203080004383	1	Connector
23	203080004386	8	Plug, blind
24	203080004385	10	Terminal
25	203080000403	1	Sheath
26	203080000157	1	Lock

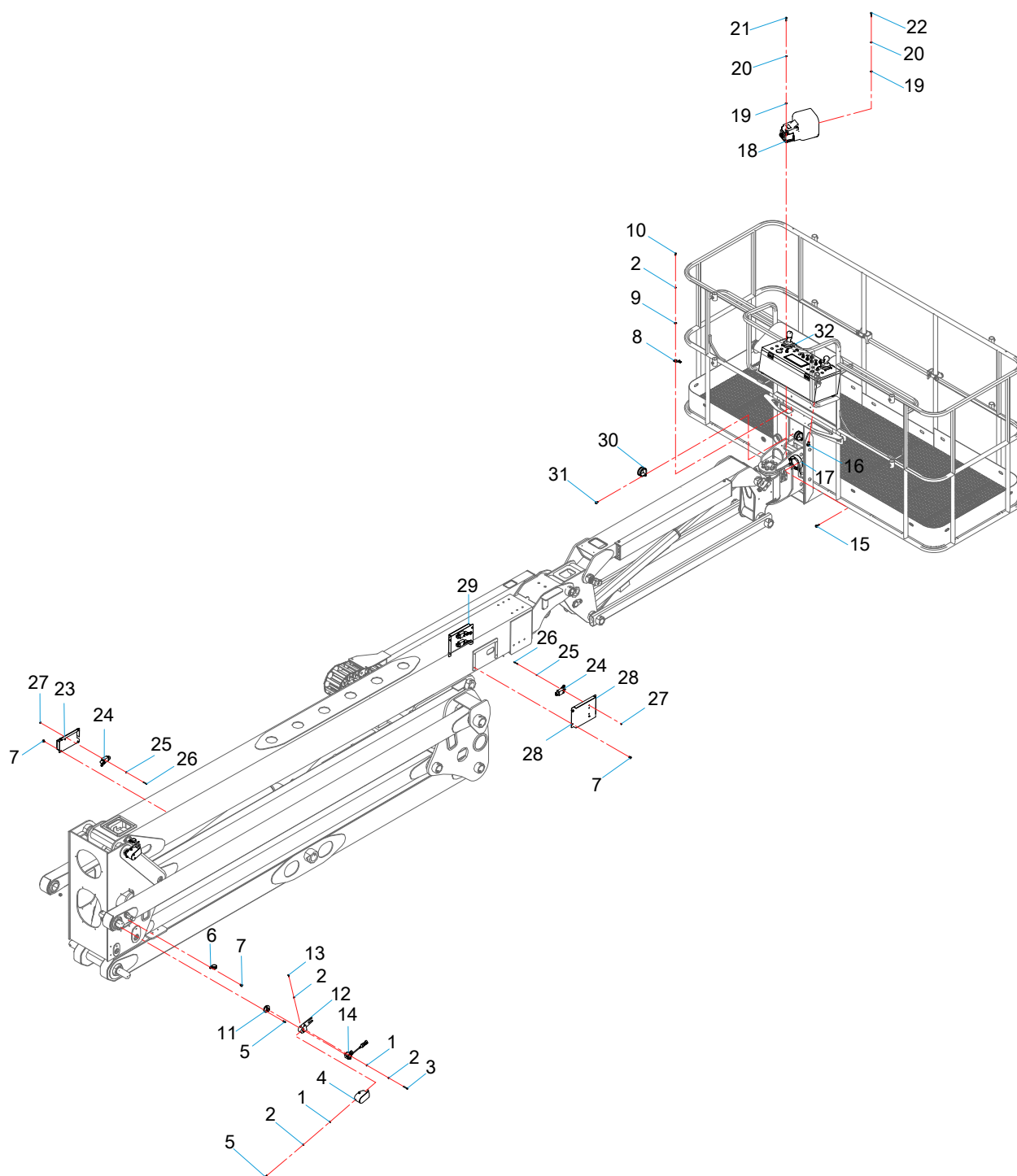
7.2.9 CONTACTOR WIRING HARNESS (PN.114030060028)



No.	Part No.	Qty.	Description
1	203080003363	2	Ring tongue terminal
2	203070003106	1	Fuse, resettable
3	203070003107	1	Holder, fuse (with wire)
4	203220003031	1	Diode
5	203080003267	1	Cable
6	203080003289	1	Corrugated pipe

7.3 BOOM ELECTRICAL SYSTEM

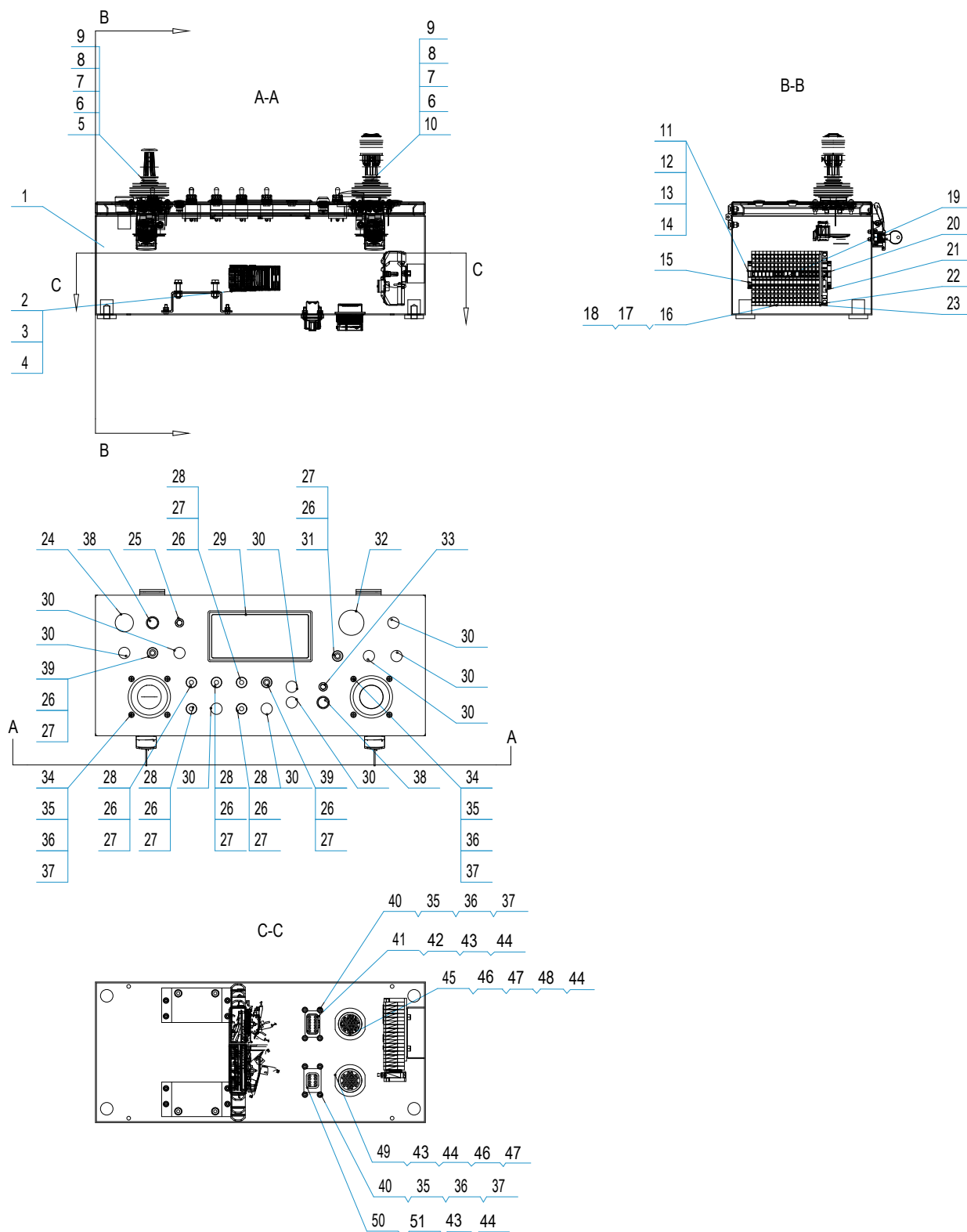
7.3.1 BOOM ELECTRICAL COMPONENTS INSTALLATION



No.	Part No.	Qty.	Description
1	215040000032	10	Washer 5-A2 GB/T 97.1
2	215040000003	21	Washer 5-A2-70 GB/T 93
3	215020000214	4	Screw M5×35-A2-70 GB/T 818
4	105017030175	2	Cover, limit
5	215020000006	12	Screw M5×12-A2-70 GB/T 70.1
6	216020000051	2	Retaining ring
7	215010000229	14	Bolt M6×10-8.8-ZnD GB/T 5789
8	203080000525	1	Fixture, metal (Deutsch)
9	215040000132	1	Washer 5-200HV-A2 GT/B 96.1
10	215010000041	1	Bolt M5×12-A2-70 GB/T 5783
11	105024060043	2	Shaft seat
12	103008020303	2	Mounting plate, Angle sensor
13	215020000110	4	Screw M5×12-A2-70 GB/T 818
14		2	Relative Angle Sensor Options
14-1	203150000046	1	Sensor, angle (Interchangeable with 2, 3 and 4)
14-2	203150003049	1	Angle sensor (Interchangeable with 1, 3 and 4)
14-3	203150003083	1	Angle sensor (Interchangeable with 1, 2 and 4)
14-4	203150003091	1	Angle sensor (Interchangeable with 1, 2 and 3)
15	215010000232	4	Bolt M6×25-8.8-ZnD GB/T 5789
16	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
17		1	Load Sensor Options
17-1	203150000070	1	Load sensor (Interchangeable with 2)
17-2	203150003038	1	Load sensor (Interchangeable with 1)
18		1	Foot Switch Options
18-1	203060000009	1	Heavy-duty foot switch
18-2	203060003146	1	Foot Switch
19	215040000033	3	Washer 6-A2 GB/T 97.1
20	215040000004	3	Washer 6-A2-70 GB/T 93
21	215020000012	2	Screw M6×20-A2-70 GB/T 70.1
22	215020000013	1	Screw M6×25-A2-70 GB/T 70.1
23	103009013571	1	Cover, switch (travel)
24		5	OPT, switch (travel)
24-1	203060000146	1	Switch, travel (SND)
25	215040000002	10	Washer 4-A2-70 GB/T 93
26	215020000211	10	Screw M4×30-A2-70 GB/T 818
27	215030000002	10	Nut M4-8-A2-70 GB/T 6170
28	103009013471	1	Cover, switch (travel)
29	103009013465	1	Limit Switch Cover
30	216020000025	2	Ring, fixing (SSG)
31	215010000230	2	Bolt M6×16-8.8-ZnD GB/T 5789
32		1	Platform Controller Assembly Options
32-1	103011063129	1	ASSY, control box(platform, Oversea factory)

No.	Part No.	Qty.	Description
32-1a	103011063128	1	Platform Controller Assembly (without controller)(See Sec. 7.3.2 for details)
32-1b	203020000038	1	Controller

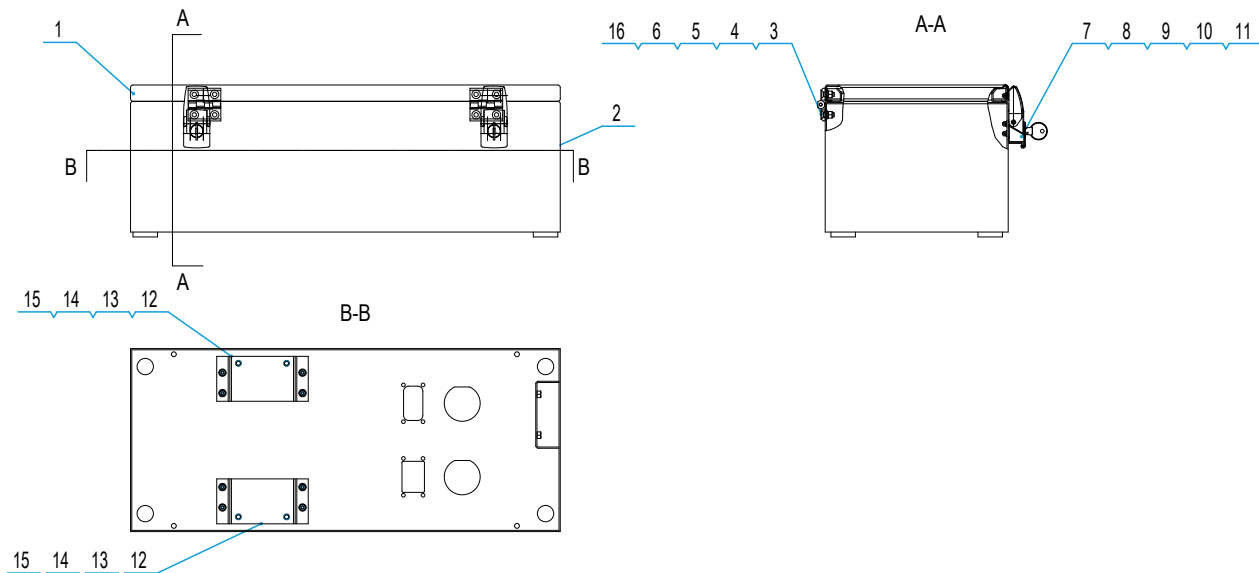
7.3.2 PLATFORM CONTROLLER ASSEMBLY (WITHOUT CONTROLLER) (PN.103011063128)



No.	Part No.	Qty.	Description
1	103006063032	1	Platform Controller(See Sec. 7.3.3 for details)
2	203080000378	1	Connector, controller
3	215010003054	4	Nylon Bolt M6×25-4.8-PA66
4	215040003034	8	Nylon Washer 6-PA66
5	203060003084	1	Dual-axis, ball-headed joystick
6	203060000014	2	Handle connector
7	203080000019	2	6-pin socket lock
8	203080000085	4	Blind plug
9	203080000099	8	Terminal
10	203060003081	1	Single-axis joystick
11	203990000001	1	Guide rail
12	215020000109	2	Screw M5×10-A2-70 GB/T 818
13	215040000003	2	Washer 5-A2-70 GB/T 93
14	215040000032	2	Washer 5-A2 GB/T 97.1
15	203080003053	2	Terminal block
16	203080003051	18	Common terminal
17	203080003056	1	Terminal label 1-10
18	203080003055	1	Terminal label 11-20
19	203080003058	8	Jumper
20	203080003057	1	Fuse terminal
21	203070000053	1	Plug-in fuse
22	203080003059	1	End plate
23	203080003052	1	End plate
24	203050003021	1	Buzzer
25	203050003014	1	Indicator light
26	203080000109	8	Nut
27	203080000101	8	Waterproof cap
28	203060000003	5	Toggle switch
29	203200003002	1	Gauge
30	105045060004	9	Controller plug
31	203060000035	1	Toggle switch
32	203060000142	1	Switch, emergency stop
33	203050003015	1	Indicator light
34	215020000107	8	Screw M4×20-A2-70 GB/T 818
35	215040000031	24	Washer 4-A2 GB/T 97.1
36	215040000002	16	Washer 4-A2-70 GB/T 93
37	215030000002	16	Nut M4-8-A2-70 GB/T 6170
38	203060000020	2	Button
39	203060000021	2	Toggle switch
40	215020000106	8	Screw M4×16-A2-70 GB/T 818
41	203060000090	1	12-pin male connector sheath, with flange
42	203080000157	1	Lock
43	203080000033	21	Male connector

No.	Part No.	Qty.	Description
44	203080000068	48	Blind plug
45	203080000516	1	31-pin female connector sheath
46	203060000098	2	Metal spring plate
47	203060000101	2	Retaining nut
48	203080000041	12	Female connector
49	203080000523	1	31-pin male connector sheath
50	203060000088	1	8-pin male connector sheath, with flange
51	203080000126	1	Lock
53	103006063028	1	Platform controller PC mask (Not shown)
54	103006063027	1	Platform controller face mask (Not shown)
55	103011063009	1	Platform Controller Harness (Not shown)(See Sec. 7.3.4 for details)

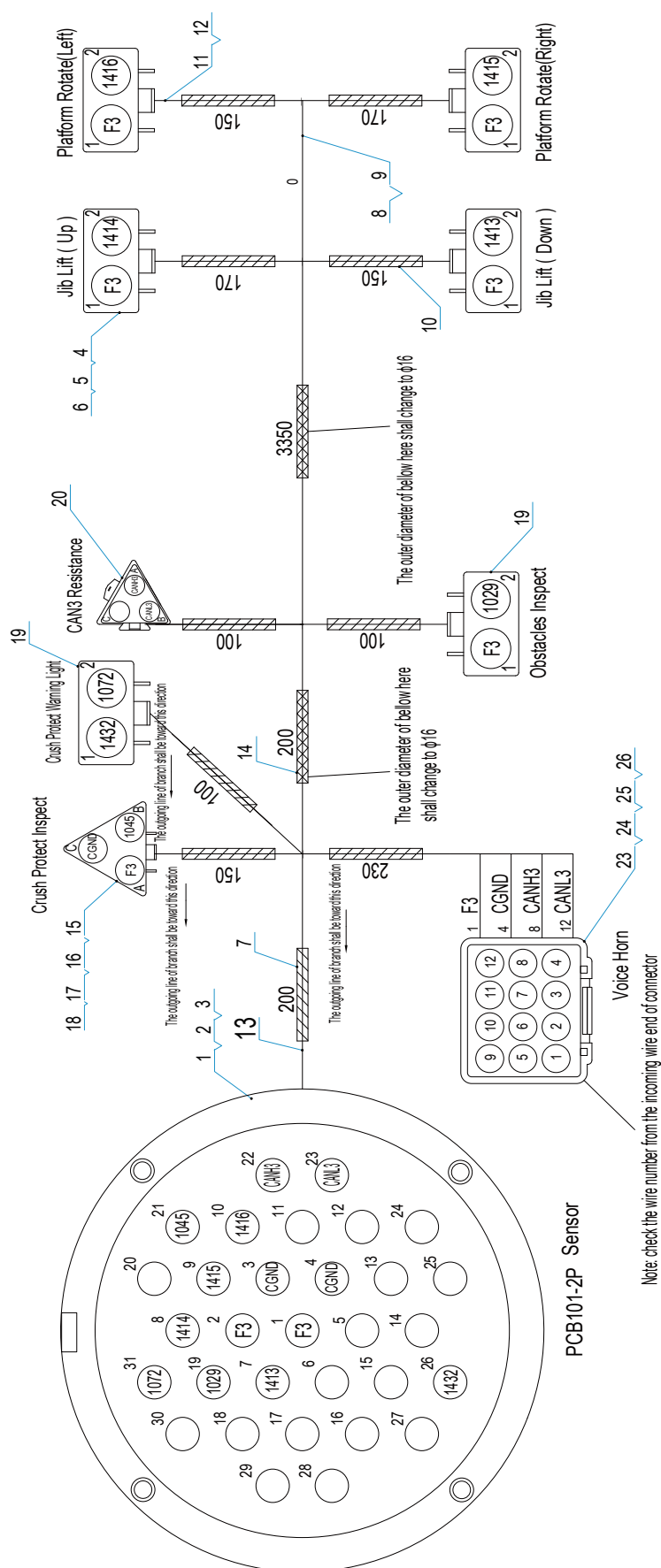
7.3.3 PLATFORM CONTROLLER (PN.103006063032)



No.	Part No.	Qty.	Description
1	103006063031	1	Platform Control Box Panel Assembly
2	103006060002	1	ASSY, base (control box, platform)
3	203090003005	2	Hinge
4	215040000003	8	Washer 5-A2-70 GB/T 93
5	215040000032	8	Washer 5-A2 GB/T 97.1
6	215030000003	8	Nut M5-A2-70 GB/T 6170
7	203090003006	2	Latch
8	215040000030	12	Washer 3-A2 GB/T 97.1
9	215040000001	12	Washer 3-A2-70 GB/T 93
10	215020000100	12	Screw M3×10-A2-70 GB/T 818
11	215030000001	12	Nut M3-A2-70 GB/T 6170
12	103006060005	2	Holder assembly
13	215040000031	8	Washer 4-A2 GB/T 97.1
14	215040000002	8	Washer 4-A2-70 GB/T 93
15	215030000002	8	Nut M4-8-A2-70 GB/T 6170
16	215020000264	8	Screw M5×16-A2-70 GB/T70.3

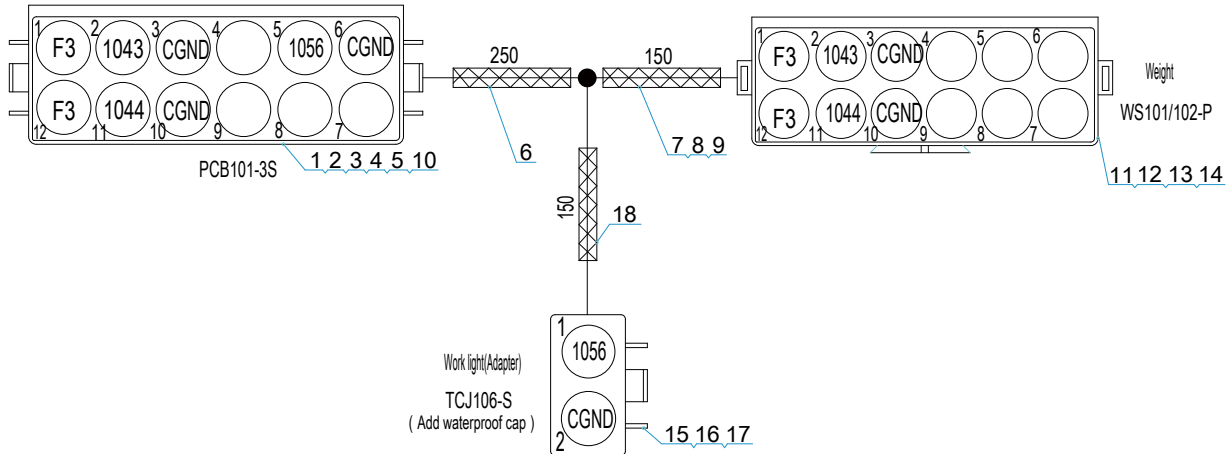
No.	Part No.	Qty.	Description
1	203080003514	27	Terminal, FOT
2	203080000036	4	Cold-pressed terminal
3	203080000404	1	Sheath
4	203080000032	1	Lock
5	203080000041	6	Female connector
6	203080000473	1	Waterproof cover
7	203080000405	3	Sheath
8	203080000046	3	Lock
9	203080000033	6	Male connector
10	203080000068	4	Blind plug
11	203080000086	3	Connector
12	203080000562	4	Thin-wall wire
13	203080000563	3	Thin-wall wire
14	203080000564	10	Thin-wall wire
15	216020000020	30	Cable tie, nylon
16	203080000044	1	Sheath
17	203080000020	1	Lock
18	203080003543	2	Terminal, tubular (pre-insulated)

7.3.5 PLATFORM HARNESS (PN.105083065000)



No.	Part No.	Qty.	Description
1	203080000515	1	31-pin male sheath
2	203080000068	18	Blind plug
3	203080000033	14	Male connector
4	203080000410	6	Sheath
5	203080000016	6	Lock
6	203080000041	15	Female connector
7	203080000419	1	Nylon hose, closed-end
8	203080000564	18	Thin-wall wire
9	203080000562	15	Thin-wall wire
10	203080000463	1	Nylon hose, closed-end
11	203080000437	6	End attachments, 2-pin, female
12	203080000448	6	Rubber part
13	203060000096	1	180 deg. end clip
14	203080003288	1	Corrugated pipe
15	203080000404	1	Sheath
16	203080000032	1	Lock
17	203080000508	1	End clip
18	203080000473	1	Waterproof cover
19	203080000474	2	Waterproof cover
20	203080000405	1	Sheath
21	203080000046	1	Lock
22	203080000086	1	Connector
23	203080003584	1	Sheath
24	203080003585	4	Terminal
25	203080003586	4	Seal Ring
26	203080003587	12	Blind Plugging

7.3.6 PLATFORM HARNESS 2 (PN.114019060031)

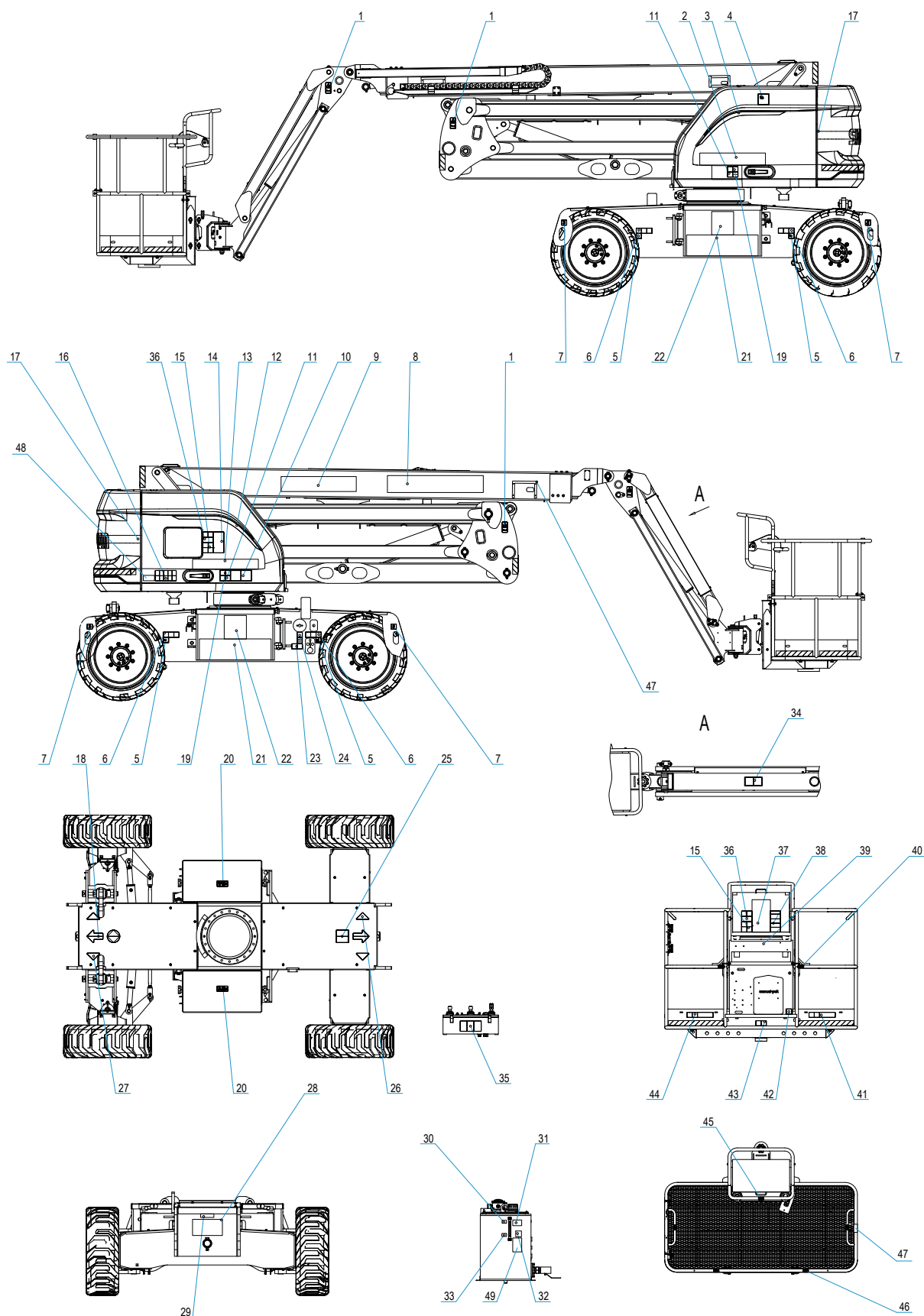


No.	Part No.	Qty.	Description
1	203080000155	1	Connector
2	203080000159	1	Lock
3	203080000041	8	Female connector
4	203080000068	8	Blind plug
5	203080003001	1	End clip
6	203080000037	1	Corrugated pipe
7	203080003313	2	Cable, thin wall
8	203080003326	2	Cable, thin wall
9	203080003599	1	Thin-walled automobile wire
10	203080003010	1	Nut
11	203080000403	1	Sheath
12	203080000157	1	Lock
13	203080000033	8	Male connector
14	203080000459	1	End clip
15	203080000410	1	Sheath
16	203080000016	1	Lock
17	203080000474	1	Waterproof cover
18	203080003289	1	Corrugated pipe

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8 IDENTIFICATION PLATE DRAWING

8.1 DECALS, ANSI&CSA (IMPERIAL, AB16EJ PLUS) (PN.103011100012)



No.	Part No.	Qty.	Description
1	114029100028	4	Decal, crush hazard
2	103011100016	1	Decal-right turntable cover (AB520EJ Plus)
3	103011100007	1	Decal-styling (right turntable cover, AB16EJ Plus)
4	114029100018	1	Decal, noise 72dB
5	114029100042	4	Decal, wheel load 4800kg
6	103010100013	4	Decal, tipping hazard
7	114029100021	4	Decal, lifting points
8	103010100036	1	LOGO-SINOBOOM (small)
9	103011100014	1	Decal-boom (AB520EJ Plus)
10	103010100018	1	Decal, maintenance warning
11	114029100020	2	Decal, bulkhead overhaul
12	103011100006	1	Decal-styling (left turntable cover, AB16EJ Plus)
13	103011100015	1	Decal-left turntable cover (AB520EJ Plus)
14	103010100043	1	Decal, emergency down (AB)
15	114029100030	2	Decal, tipping hazard
16	103010100017	1	Decal, general safety
17	103010100030	2	LOGO symbol (handshake, small)
18	105060100014	1	Decal-Annual inspection
19	103010100058	1	Decal, direction (forward,small)
20	114029100025	2	Decal, tipping hazard
21	103010100016	2	Decal, no fire
22	114011100003	2	Decal-Contact information
23	114006103011	2	Decal-Battery, Lead acid
24	103010100001	1	Decal, electrocution hazard
25	103010100002	1	Decal, emergency stop switch
26	103010100057	1	Decal, direction (reverse, small)
27	103010100054	2	Decal, direction (turn right, small)
28	103010100053	2	Decal, direction (turn left, small)
29	215050000001	4	Blind rivet 3×8-ZnD GB/T 12618.2
30	101014100032	1	Decal-Serial number
31	104011100010	1	Decal-Hydraulic oil level
32	104010100021	1	Decal-Hydraulic oil temperature range
33	114029100052	1	Decal, hydraulic oil
34	104011100003	1	Decal-Hydraulic oil level
35	105084100019	1	Decal, hydraulic oil selection instructions
36	103010100012	1	Decal, fall hazard
37	103010100061	1	Decal, tipping hazard (AB)
38	114029100024	2	Decal, electrocution hazard
39	103011103002	1	Decal, working envelope DIAG (AB16EJ Plus)
40	103010100027	1	Decal, operating instructions (AB)
41	103010100003	1	Decal, read manuals

No.	Part No.	Qty.	Description
42	103010100062	2	Decal, lanyard anchorage points
43	103011100002	1	Decal, rated load 250/340/454kg
44	103010100010	1	Decal, footswitch
45	103010100009	1	Decal, crush hazard
46	103010100007	1	Decal, max allowable side force
47	103010100051	3	Decal, hand-hold position
48	103010100064	3	Decal, non-insulatedd
49	103010100006	2	Decal, crush hazard

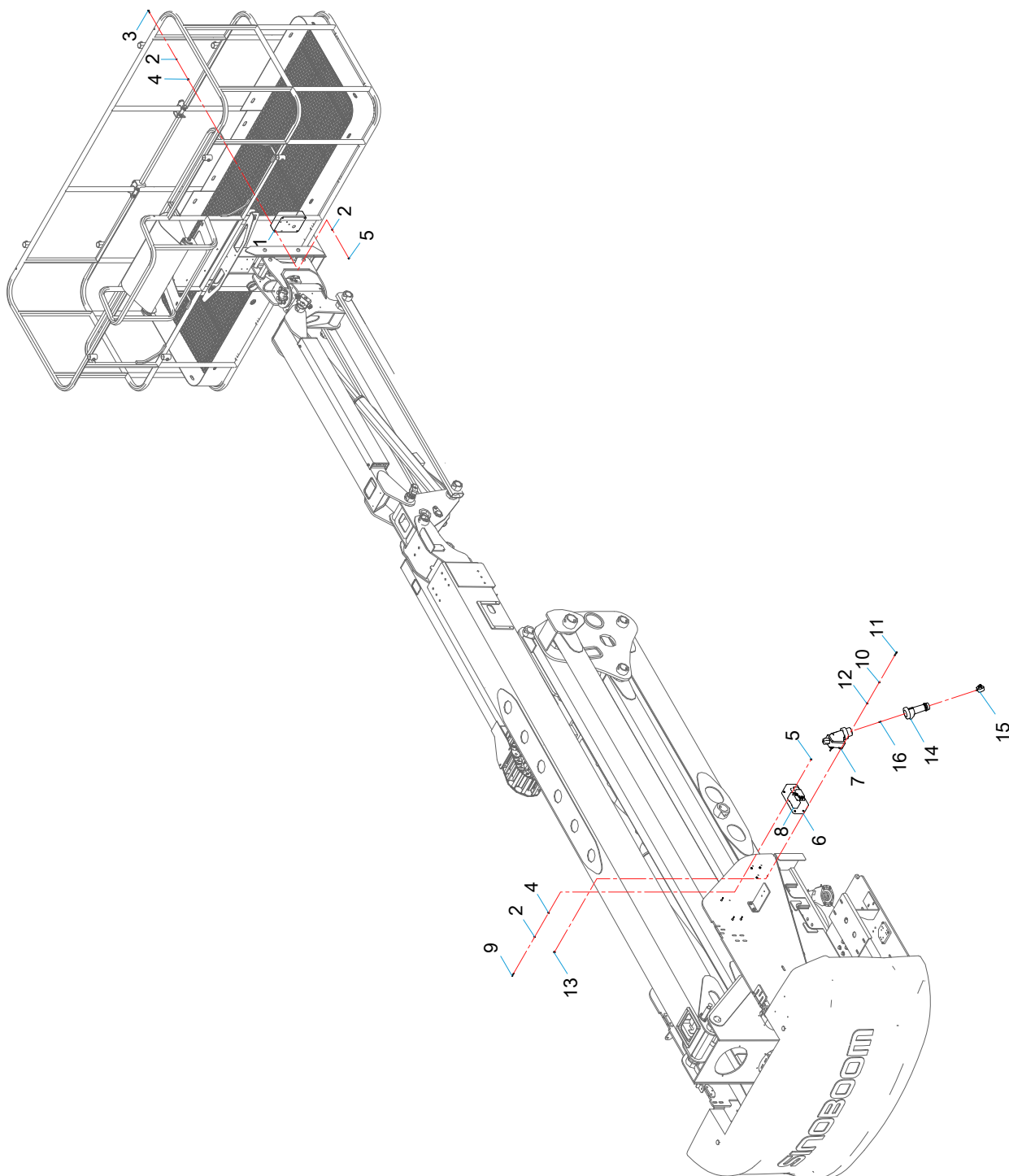
9 OPTIONS

9.1 AC POWER INSTALLATION

9.1.1 AC POWER INSTALLATION

No.	Part No.	Qty.	Description
1		1	AC Power Electrical Components Installation(See Sec. 9.1.2 for details)
2	203230003381	1	Drag chain cable
3	203230003395	1	Drag chain cable

9.1.2 AC POWER ELECTRICAL COMPONENTS INSTALLATION



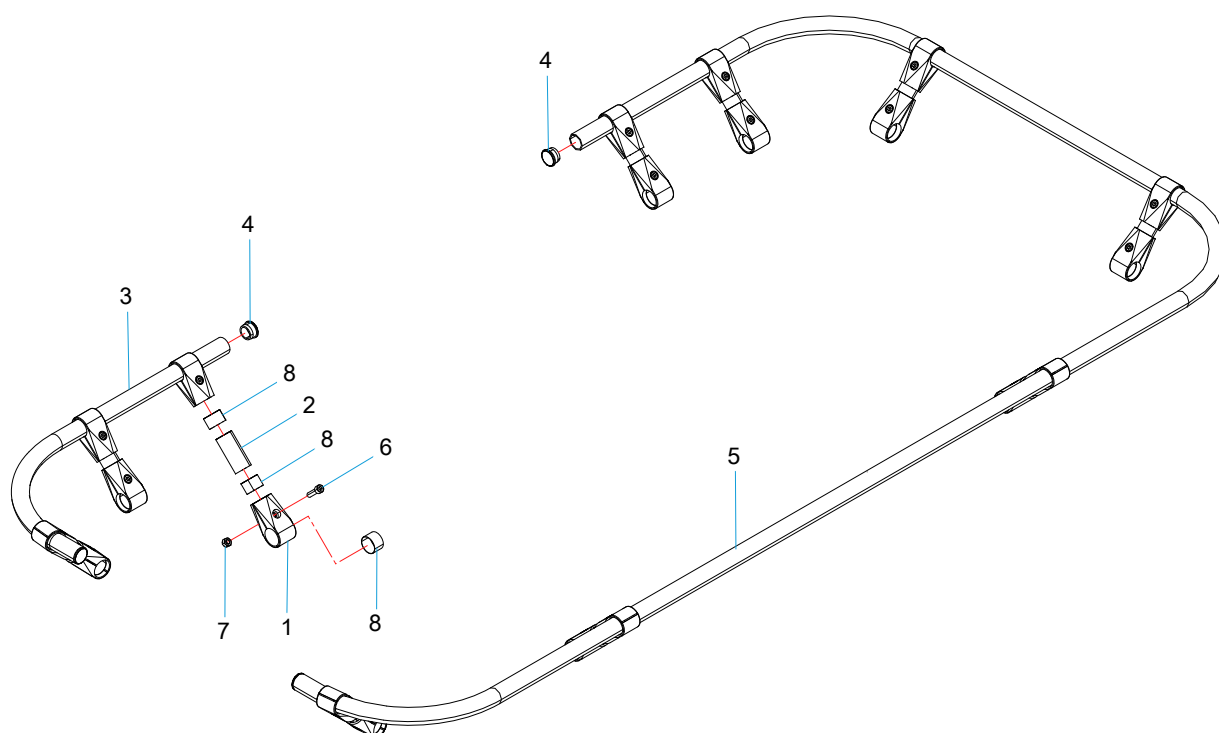
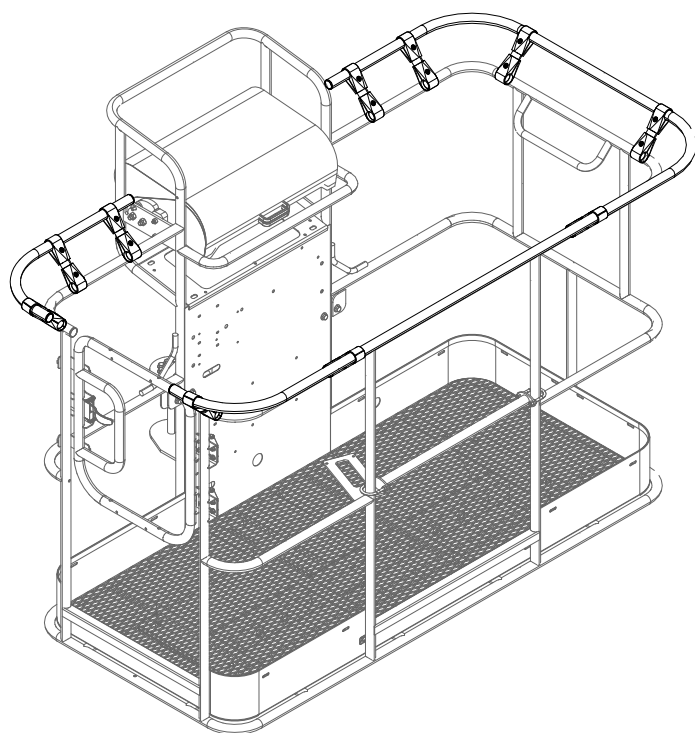
No.	Part No.	Qty.	Description
1		1	Waterproof Socket Installation Options
1-1	105074063062	1	American standard socket assembly
1-1a	203080000472	1	American standard socket assembly (Type B, US and South America specs)
1-1b	203080003824	3	Terminal
1-1c	105050040001	1	Plate, grooved
2	215040000002	12	Washer 4-A2-70 GB/T 93
3	215020000106	4	Screw M4×16-A2-70 GB/T 818
4	215040000031	8	Washer 4-A2 GB/T 97.1
5	215030000002	8	Nut M4-8-A2-70 GB/T 6170
6	203090000002	1	RCBO waterproof box
7	203080003079	1	3P16A IP67 surface mounted socket (male terminal)
8	203160000002	1	Leakage protector
9	215020000107	4	Screw M4×20-A2-70 GB/T 818
10	215040000003	8	Washer 5-A2-70 GB/T 93
11	215020000113	4	Screw M5×25-A2-70 GB/T 818
12	215040000032	4	Washer 5-A2 GB/T 97.1
13	215030000003	4	Nut M5-A2-70 GB/T 6170
14	203080003078	1	3P16A IP67 plug (female terminal)
15		1	Power Plug Cord Options
15-1	203080003960	1	Cable, plug (AC power)
16	203080000415	3	Terminal

9.2 GENERAL OPTIONS

9.2.1 GENERAL OPTIONS

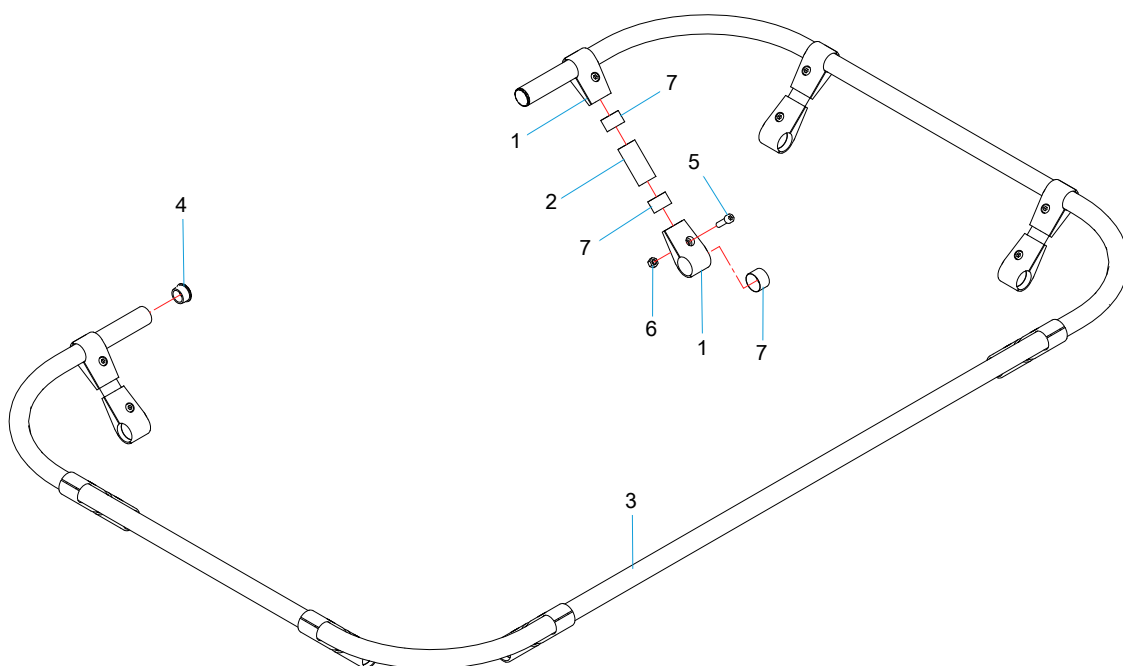
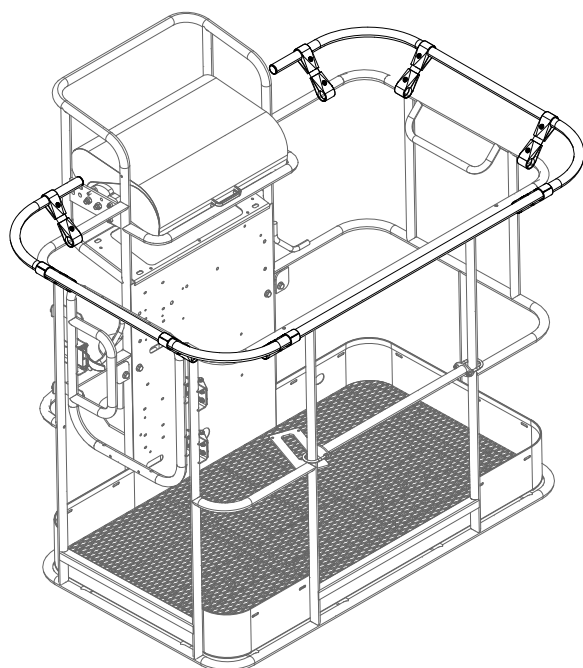
No.	Part No.	Qty.	Description
1	103013170005	1	Anti-pinch Hand Device Options
1-1	105068043064	1	Anti-pinch Hand Device(See Sec. 9.2.2 for details)
1-2	105068043067	1	Anti-pinch Hand Device(See Sec. 9.2.3 for details)
2	103013170006	1	Half-height Mesh Installation Options
2-1	103006043015	1	1.45m Swing Door Semi-Height Guardrail Installation(See Sec. 9.2.4 for details)
2-2	105068043041	1	1.83m Swing Door Semi-Height Guardrail Installation(See Sec. 9.2.5 for details)
3	105017040003	1	Manual Storage Container Installation(See Sec. 9.2.6 for details)
4	105017060062	1	Overhead Protection Installation(See Sec. 9.2.7 for details)
5	105017060065	1	Work Light Installation(See Sec. 9.2.8 for details)
6	105064043064	1	Tool Box Installation(See Sec. 9.2.10 for details)
7	105070043067	1	Secondary Guarding Installation(See Sec. 9.2.11 for details)

9.2.2 ANTI-PINCH HAND DEVICE (PN.105068043064)



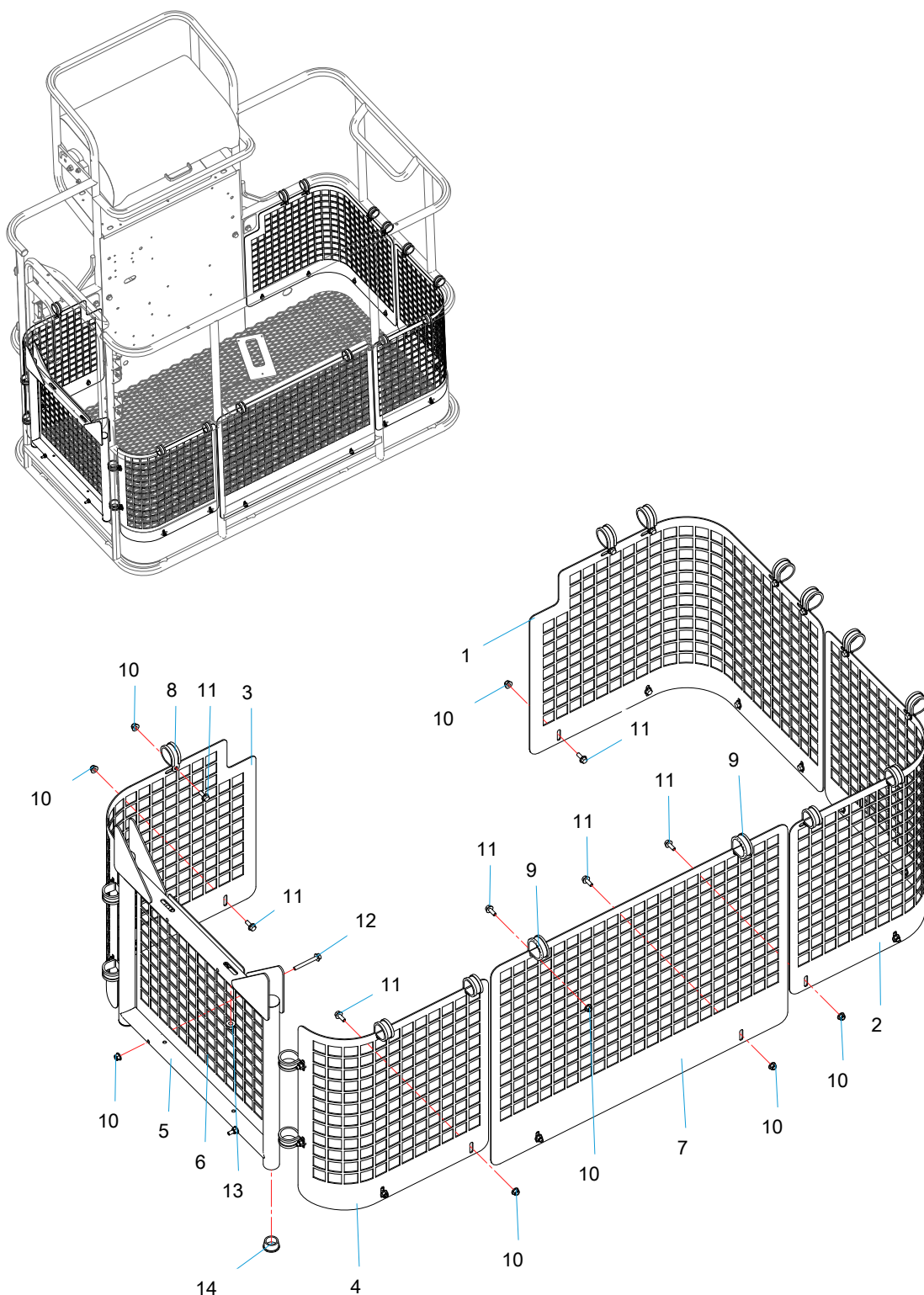
No.	Part No.	Qty.	Description
1	209990003022	20	T-pipe connector
2	105068043069	10	Steel tube
3	105068043062	1	Steel tube
4	105064043177	4	Tube cap
5	105068043063	1	Steel tube
6	215020000025	20	Screw M8×30-8.8-ZnD GB/T 70.1
7	215030000005	20	Nut M8-8-ZnD-GB/T 6170
8	216030003012	40	Rubber tube

9.2.3 ANTI-PINCH HAND DEVICE (PN.105068043067)



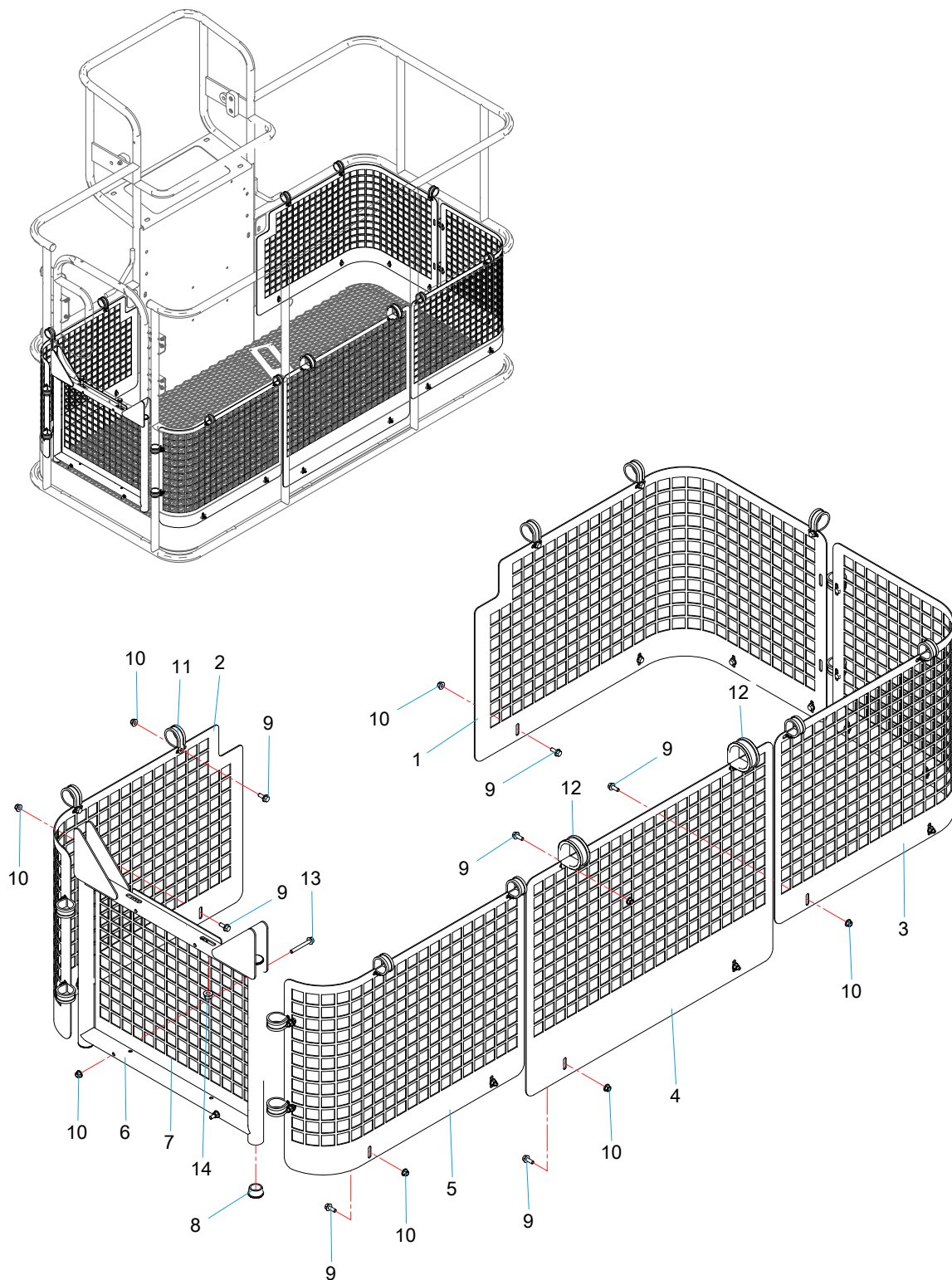
No.	Part No.	Qty.	Description
1	209990003022	16	T-pipe connector
2	105068043069	8	Steel tube
3	105068043061	1	Steel tube
4	105064043177	2	Tube cap
5	215020000025	16	Screw M8×30-8.8-ZnD GB/T 70.1
6	215030000005	16	Nut M8-8-ZnD-GB/T 6170
7	216030003012	32	Rubber tube

9.2.4 1.45M SWING DOOR SEMI-HEIGHT GUARDRAIL INSTALLATION (PN.103006043015)



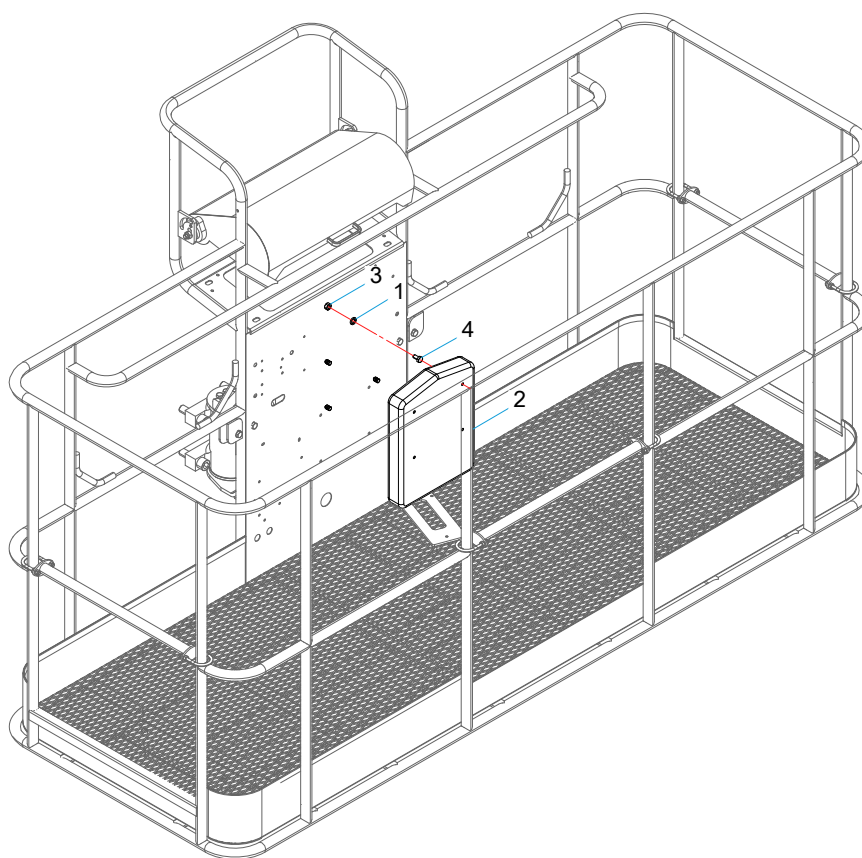
No.	Part No.	Qty.	Description
1	105068043050	1	Coaming
2	105068043052	1	Coaming
3	103006043017	1	Mesh 2
4	103006043016	1	Mesh 1
5	105068043036	1	Door frame weldment,lower
6	105068043032	1	Side coaming,lower
7	105064043194	1	Coaming
8	201051063041	15	Clamp
9	216020003014	2	Retaining ring
10	215030000107	35	Nut M6-A2-70 GB/T 6183.1
11	215010000230	32	Bolt M6×16-8.8-ZnD GB/T 5789
12	215010000283	2	Bolt M6×50-8.8-ZnD GB/T 5789
13	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
14	105064043177	4	Tube cap

9.2.5 1.83M SWING DOOR SEMI-HEIGHT GUARDRAIL INSTALLATION (PN.105068043041)



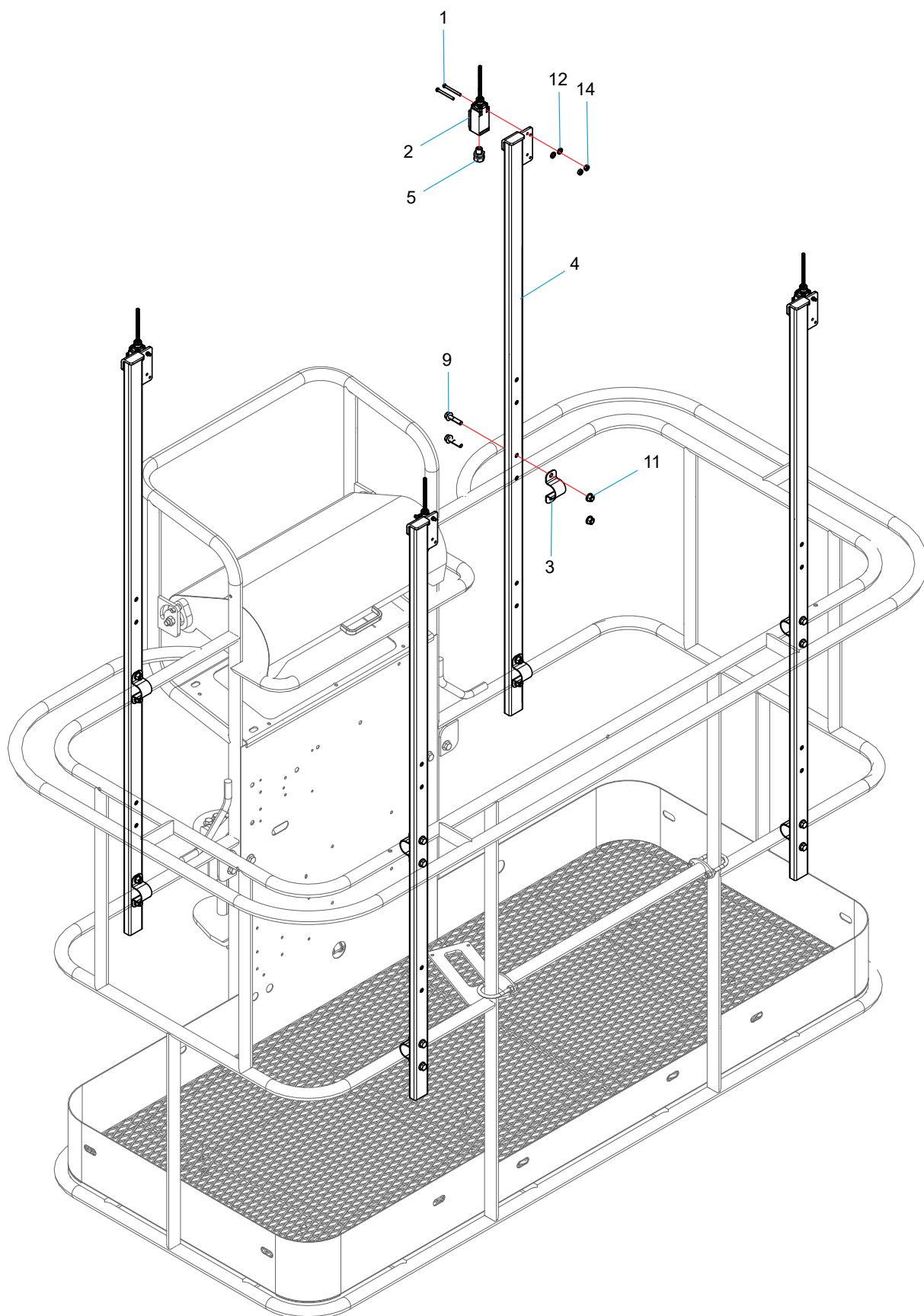
No.	Part No.	Qty.	Description
1	105068043029	1	Coaming
2	105064043193	1	Coaming
3	105068043038	1	Coaming
4	105064043194	1	Coaming
5	105068043031	1	Coaming
6	105068043036	1	Door frame weldment,lower
7	105068043032	1	Side coaming,lower
8	105064043177	4	Tube cap
9	215010000230	33	Bolt M6×16-8.8-ZnD GB/T 5789
10	215030000107	35	Nut M6-A2-70 GB/T 6183.1
11	201051063041	15	Clamp
12	216020003014	2	Retaining ring
13	215010000283	2	Bolt M6×50-8.8-ZnD GB/T 5789
14	215030000108	2	Nut M8-8-ZnD GB/T 6183.1

9.2.6 MANUAL STORAGE CONTAINER INSTALLATION (PN.105017040003)



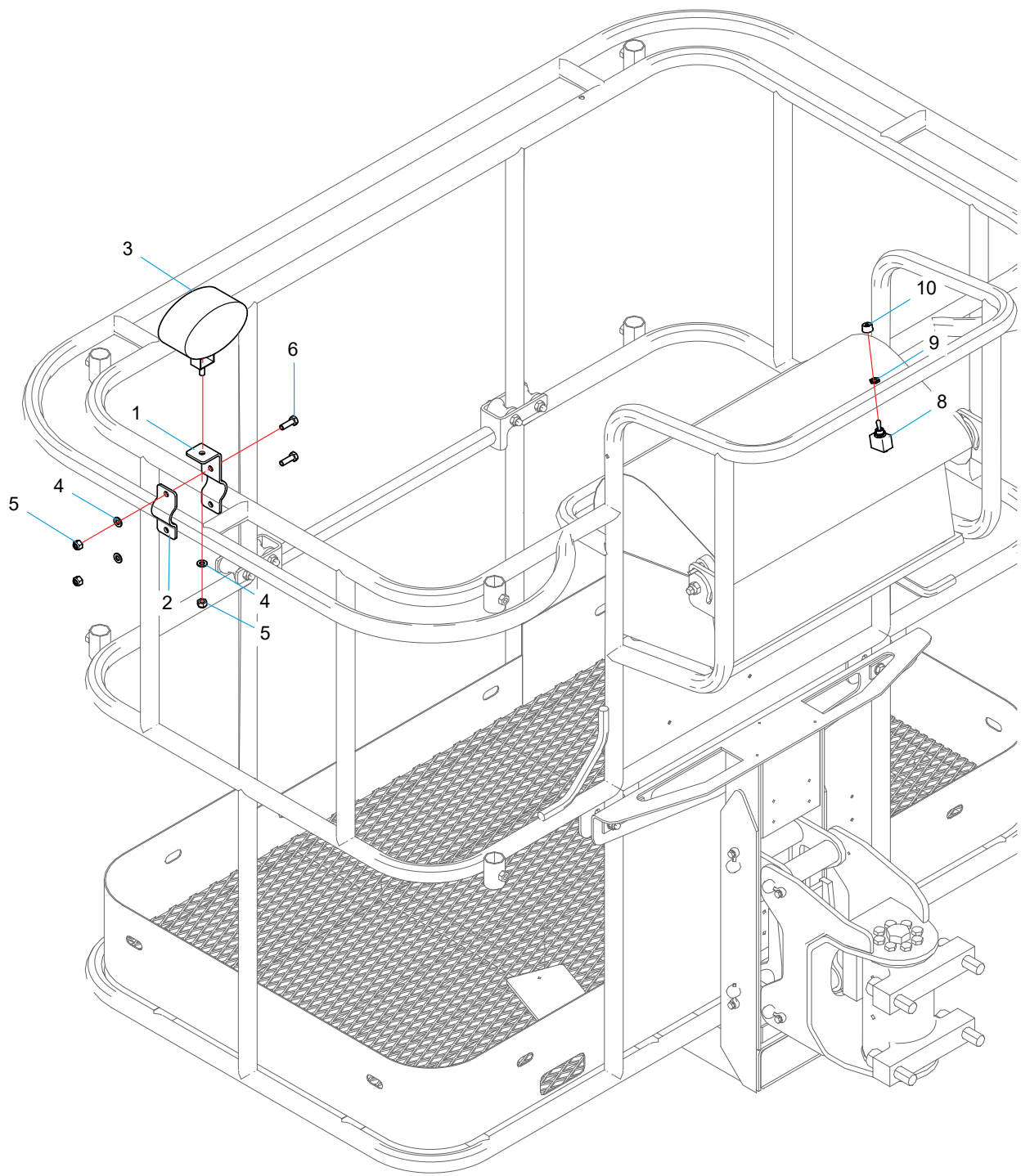
No.	Part No.	Qty.	Description
1	215040000004	4	Washer 6-A2-70 GB/T 93
2	216070000001	1	Manual storage container
3	215030000004	4	Nut M6-A2-70 GB/T 6170
4	215010000049	4	Bolt M6×12-A2-70 GB/T 5783

9.2.7 OVERHEAD PROTECTION INSTALLATION (PN.105017060062)



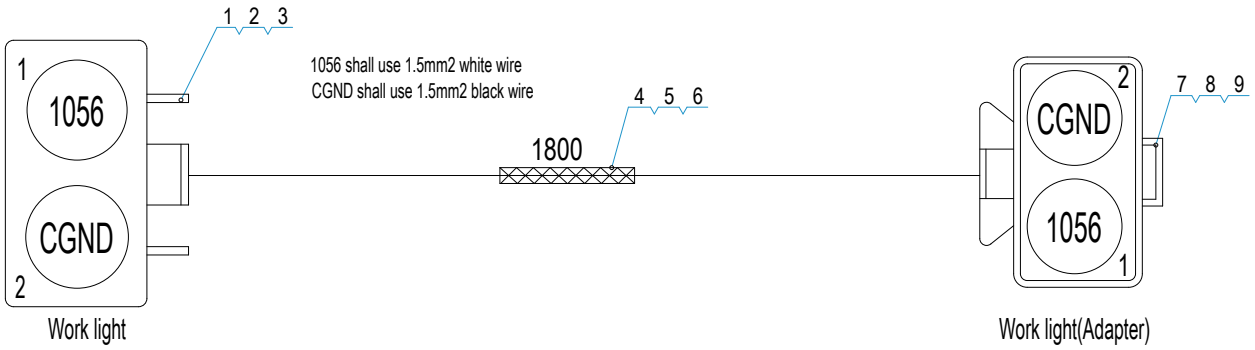
No.	Part No.	Qty.	Description
1	215020000213	8	Screw M4×40-A2-70 GB/T 818
2	203060000056	4	Travel switch
3	103011043003	8	Plate
4	105064043216	4	Height Limit Pole
5	203990000005	4	Nylon waterproof connector
6	203080000021	1	Lock (Not Shown)
7	203080000041	2	Female connector (Not Shown)
8	203080000016	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)

9.2.8 WORK LIGHT INSTALLATION (PN.105017060065)



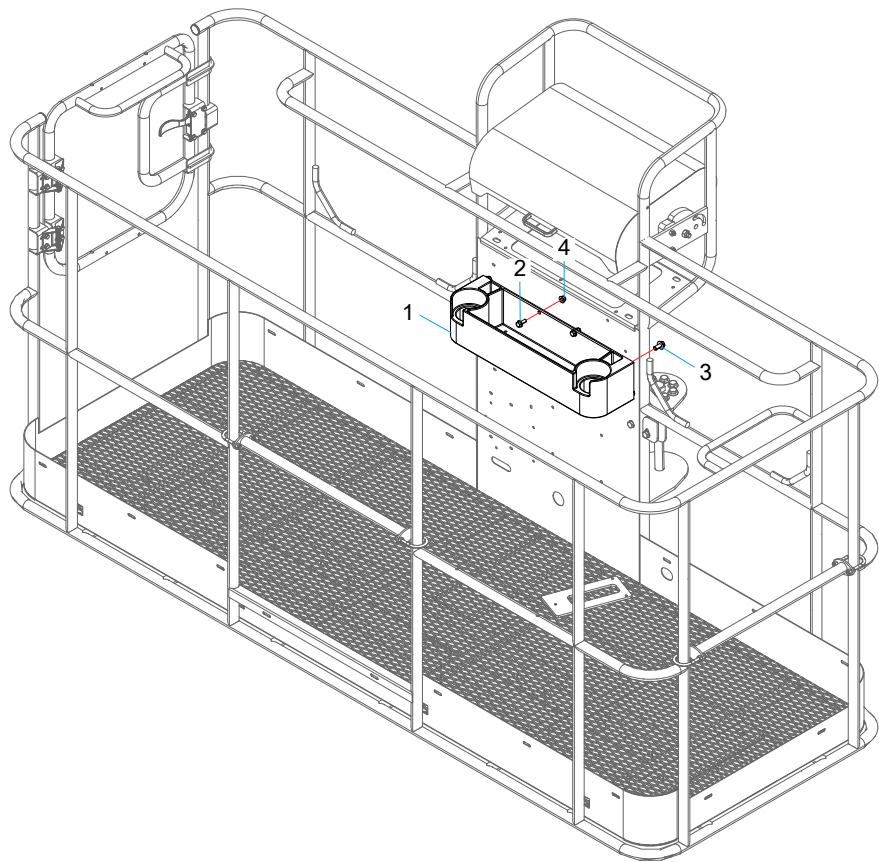
No.	Part No.	Qty.	Description
1	105017060066	1	Plate
2	105017060067	1	Plate
3	203050000059	1	Lamp,illuminating
4	215040000034	3	Washer 8-200HV-ZnD GB/T 97.1
5	215030000026	3	Nut M8-8-ZnD GB/T889.1
6	215010000058	2	Bolt M8×25-8.8-ZnD GB/T 5783
7	114032060025	1	Working Light Adapter Cable (Not shown)(See Sec. 9.2.9 for details)
8	203060000035	1	Toggle switch
9	203080000109	1	Nut
10	203080000101	1	Waterproof cap

9.2.9 WORKING LIGHT ADAPTER CABLE (PN.114032060025)



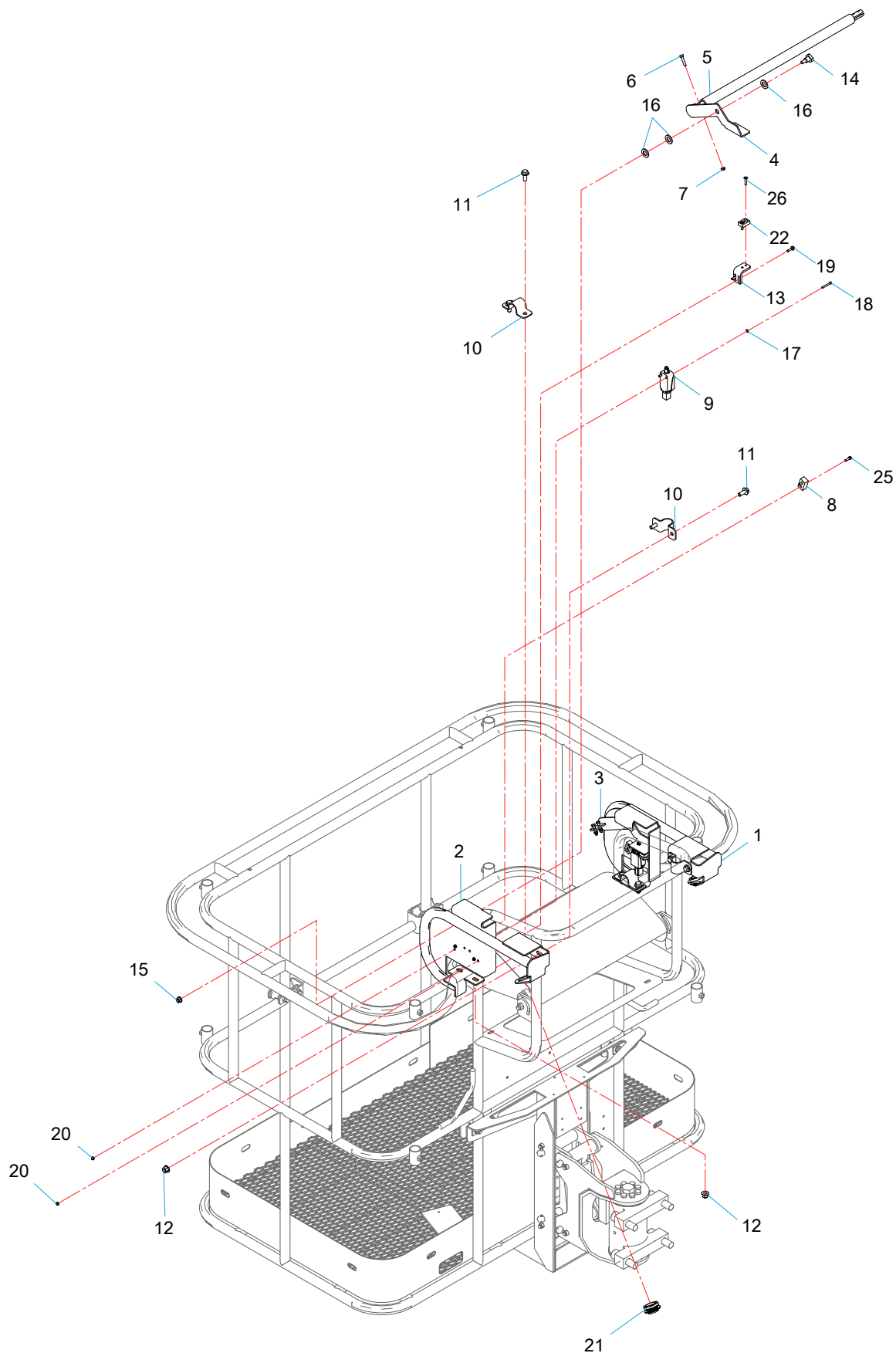
No.	Part No.	Qty.	Description
1	203080000410	1	Sheath
2	203080000016	1	Lock
3	203080000041	2	Female connector
4	203080003290	2	Corrugated pipe
5	203080003599	2	Thin-walled automobile wire
6	203080003326	2	Cable, thin wall
7	203080000408	1	Sheath
8	203080000021	1	Lock
9	203080000033	2	Male connector

9.2.10 TOOL BOX INSTALLATION (PN.105064043064)



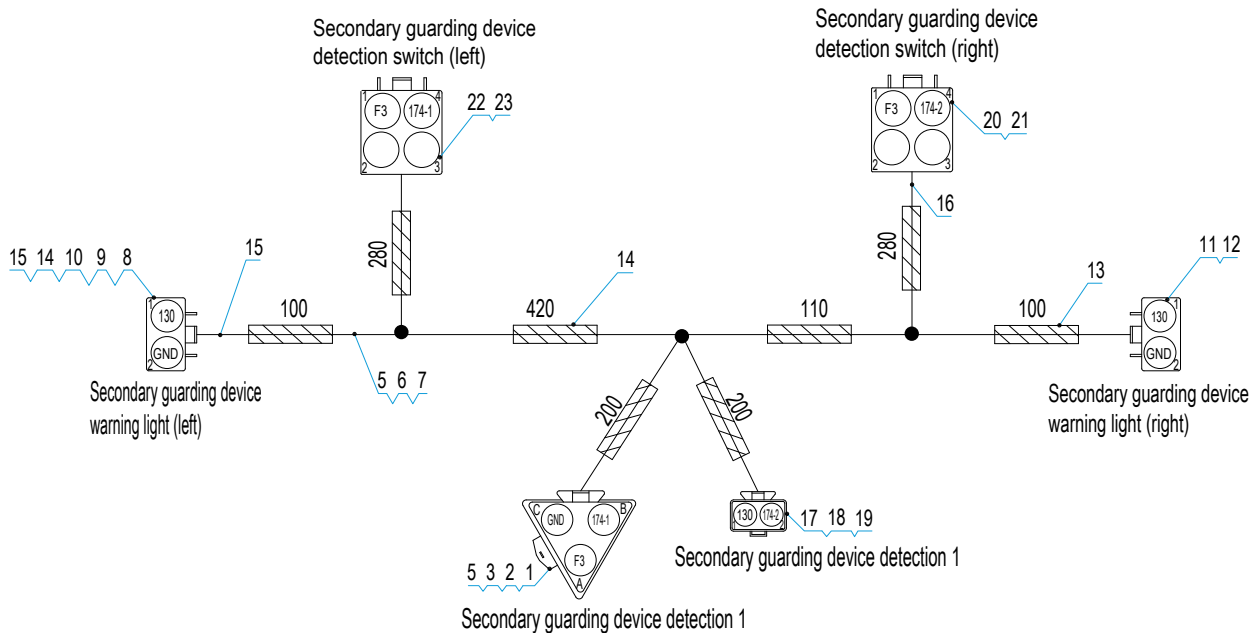
No.	Part No.	Qty.	Description
1	105064043066	1	Tool box
2	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
3	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
4	215030000121	2	Nut M8-10-ZnD GB/T 6183.1

9.2.11 SECONDARY GUARDING INSTALLATION (PN.105070043067)



No.	Part No.	Qty.	Description
1	114015013254	1	bracket
2	114015013253	1	bracket
3	114015013250	1	Plate, bending left
4	114015013248	1	Plate, bending right
5	105070043055	1	Rod, round
6	215010000053	4	Bolt M6×30-A2-70 GB/T 5783
7	215030000025	4	Nut M6-8-A2-70 GB/T 889.1
8	103010013495	2	Pad
9	203060003031	2	Switch, travel (SND)
10	114015040004	4	Plate
11	215010000238	8	Bolt M10×25-8.8-ZnD GB/T 5789
12	215030000109	8	Nut M10-8-ZnD GB/T 6183.1
13	105070043028	2	Plate, folded
14	114015013217	2	Bolt
15	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
16	215040000123	6	Washer 14-100HV-ZnD GB/T 95
17	215040000031	4	Washer 4-A2 GB/T 97.1
18	215020000212	4	Screw M4×35-A2-70 GB/T 818
19	215010000256	4	Bolt M5×20-A2-70 GB/T 5789
20	215030000091	8	Nut M5-A2-70 GB/T 6184
21		2	OPT, beacon light
21-1	203050003058	1	Light, warning (strobe)
22	209990003011	2	Magnet
23	105078063081	1	Secondary Guarding Harness (Not Shown)(See Sec. 9.2.12 for details)
24	105078063082	1	Anti-pinch Electrical schematic (Not shown)
25	215020000007	4	Screw M5×16-A2-70 GB/T 70.1
26	215020000321	4	Screw M5×25-A2-70 GB/T 70.3

9.2.12 SECONDARY GUARDING HARNESS (PN.105078063081)



No.	Part No.	Qty.	Description
1	203080000405	1	Sheath
2	203080000046	1	Lock
3	203080000033	5	Male connector
4	203080000466	1	End clip
5	203080003313	2	Cable, thin wall
6	203080003326	1	Cable, thin wall
7	203080000564	5	Thin-wall wire
8	203080000410	2	Sheath
9	203080000016	2	Lock
10	203080000041	8	Female connector
11	203080000437	2	End attachments, 2-pin, female
12	203080000448	2	Rubber part
13	203080000417	1	Nylon hose, closed-end
14	203080000424	2	Nylon hose, closed-end
15	203080000563	1	Thin-wall wire
16	203080000562	1	Thin-wall wire
17	203080000408	1	Sheath
18	203080000021	1	Lock
19	203080000462	1	End attachments, 2-pin, male
20	203080000044	2	Sheath

No.	Part No.	Qty.	Description
21	203080000020	2	Lock
22	203080000445	2	End attachments, 4-pin, female
23	203080000446	2	Rubber part

9.3 OIL OPTIONS

9.3.1 OIL OPTIONS

No.	Part No.	Qty.	Description
1		1	Hydraulic Oil Options
1-1	305070000003	1	Hydraulic oil (HV-32 (-15°C ~ 25 °C))
1-2	305070000006	1	Hydraulic oil (L-HS32 (-22°C ~ 25 °C))
2		1	Gear Oil Options
2-1	305040000003	1	Oil, gear (Mobil)
2-2	305040000004	1	Oil, gear (fully synthetic, heavy duty)

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