

Parts Manual

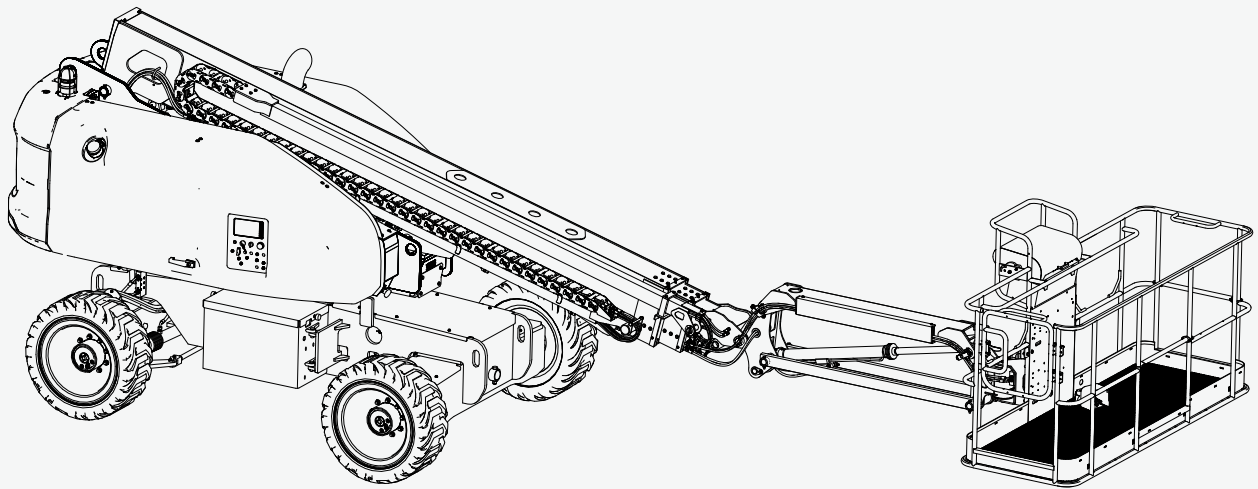
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Manual Version: A

Dec 2025

Translated version

TB14J Plus (TB14J Plus/TB460J Plus) *From MX0508400100 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:

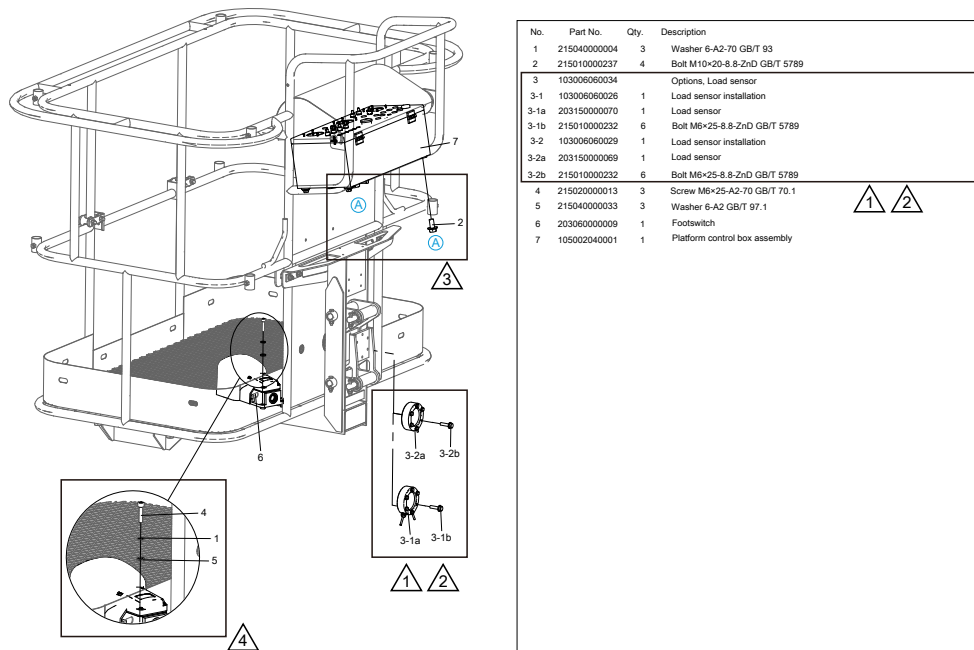
Model	Metric Trade Name	Imperial Trade Name	Serial No.
TB14J Plus	TB14J Plus	TB460J Plus	From MX0508400100 to present

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.

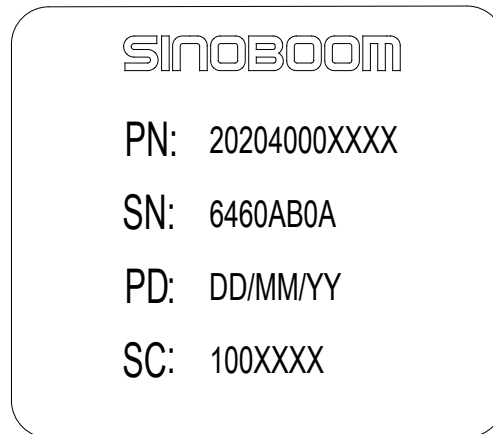


WARNING

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



Nameplate Illustration Sample (MX)



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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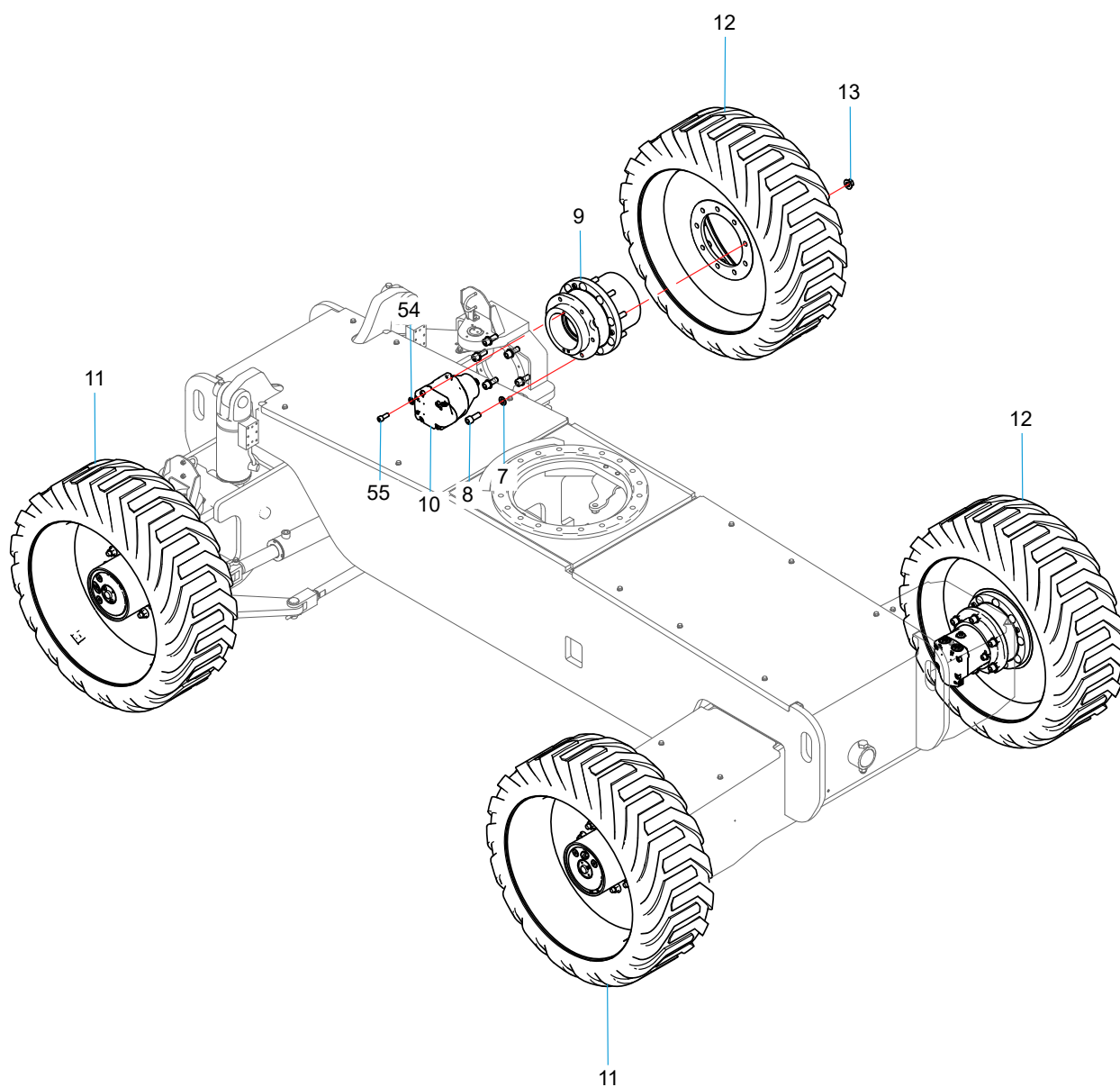
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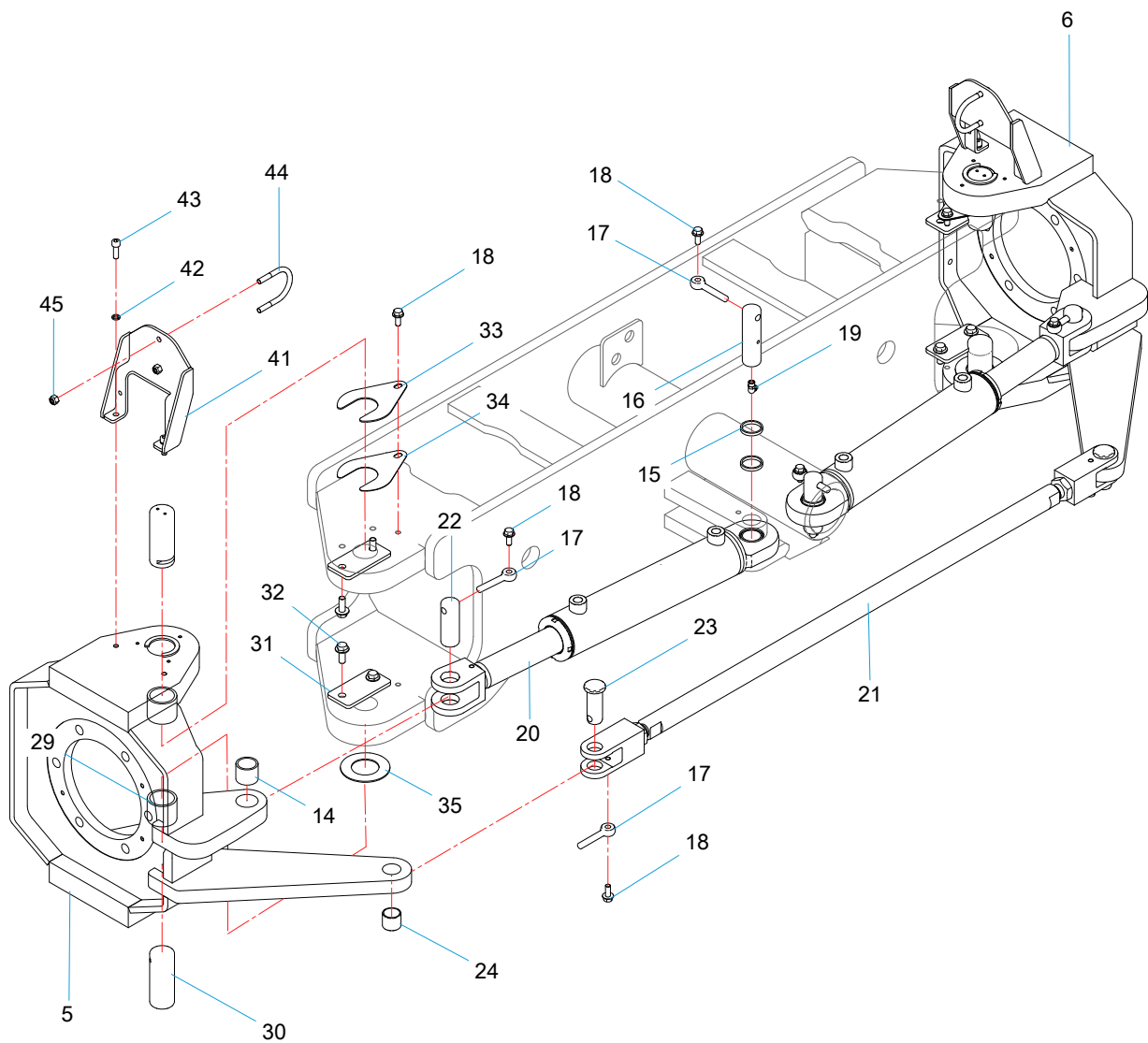
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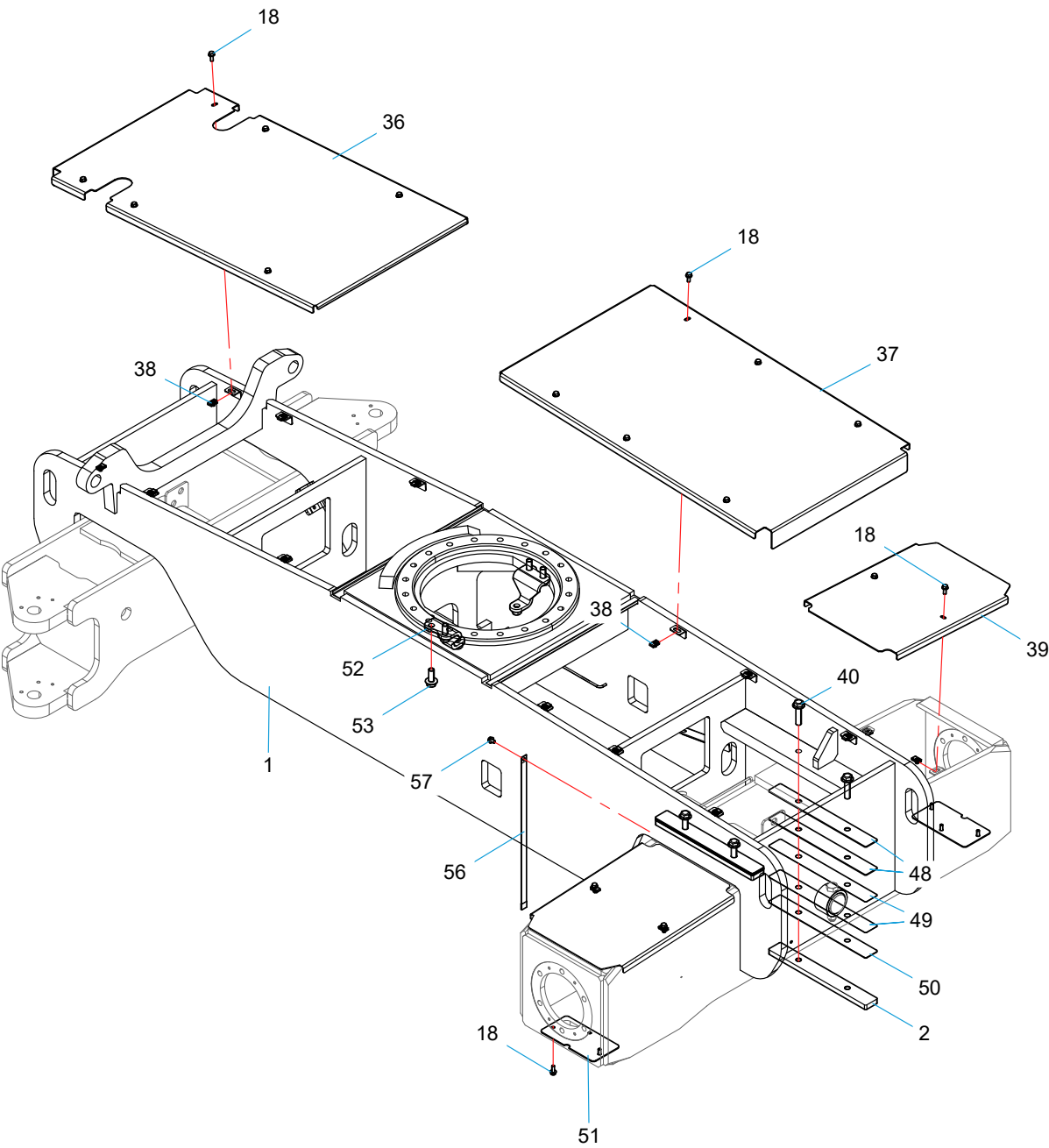
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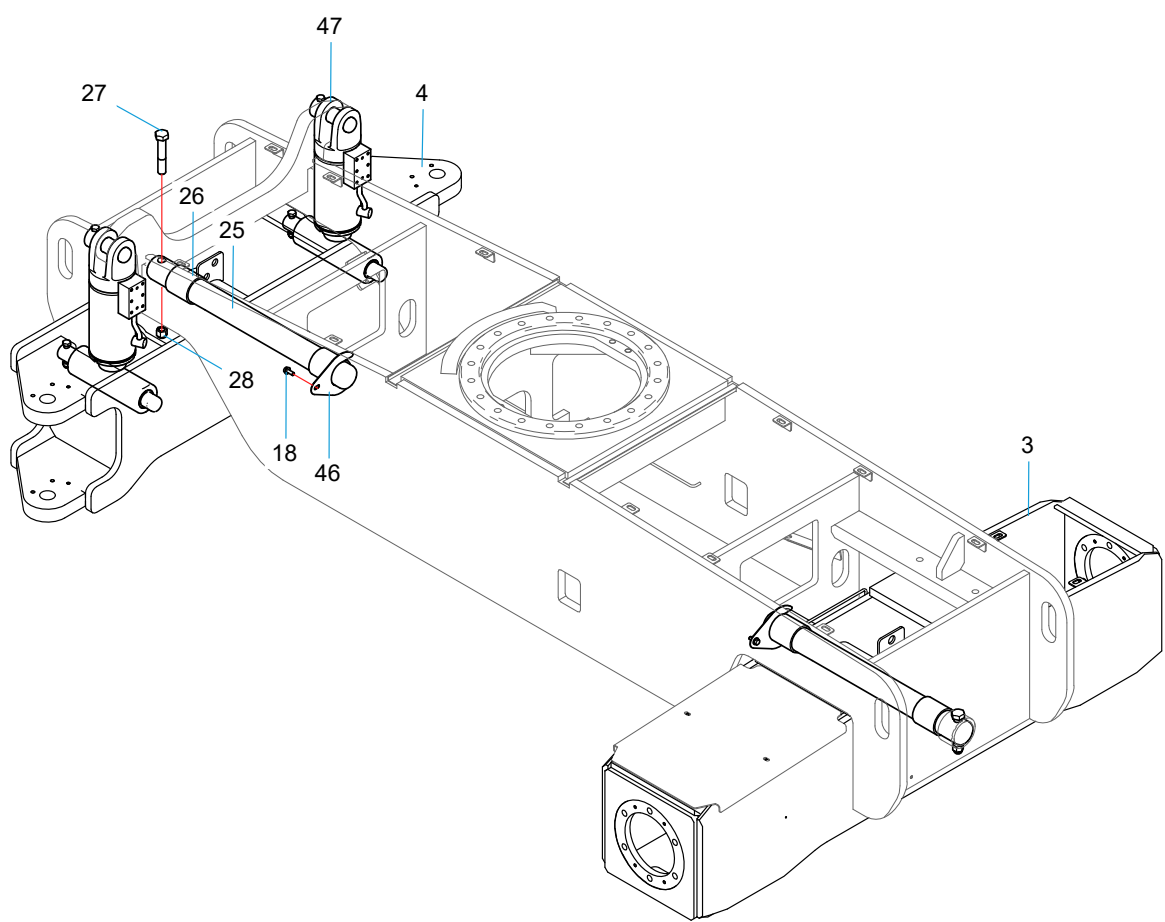
1 CHASSIS ASSEMBLY

1.1 CHASSIS ASSEMBLY (PN.105084033079)





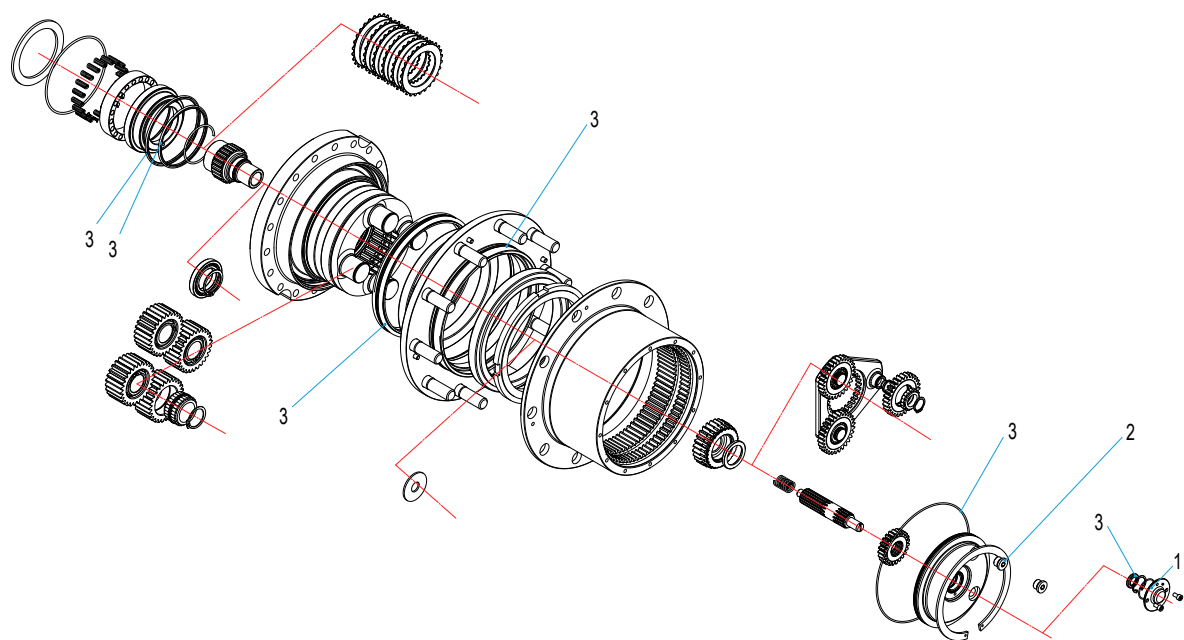




No.	Part No.	Qty.	Description
1	105084033010	1	Chassis[Z]
2	105031030026	2	Plate, backing
3	103011033023	1	Outrigger, rear [Z]
4	103011033029	1	Outrigger, front [Z]
5	103011033048	1	Plate, steer connection (L) [G]
6	103011033049	1	Tray, Steering connection (R) [G]
7	215040000039	24	Washer 16-200HV-ZnD GB/T 97.1
8	215020000082	24	Screw M16×40-8.8-ZnD GB/T 70.1
9		4	Drive Reducer Options
9-1	204020003102	1	Drive reducer (Interchangeable with 2)
9-2	204020000026	1	Drive Reducer (Interchangeable with 1)(See Sec. 1.2 for details)
10		4	Drive Motor Options
10-1	202020003094	1	Drive Motor
10-1a	207990004051	1	Seal kit, Drive motor
11		2	Left Tire Assembly Options
11-1	105074033025	1	ASSY, tire (foam-filled, NM,L) [Z]
11-2	104021033013	1	Tire assembly, foam-filled, left
12		2	Right Tire Assembly Options
12-1	104021033014	1	Tire assembly, foam-filled, right
12-2	105074033026	1	ASSY, tire (foam-filled, NM, R)[Z]
13	215030000063	36	Nut M16×1.5-10-DKL DTF 6177.2
14	214030000006	2	Self-lubricating bearing
15	105001030034	4	Bush, spacer
16	105001030055	2	Shaft XGΦ30-105 [Z]
17	101012010044	6	Keeper pin
18	215010000234	32	Bolt M8×20-8.8-ZnD GB/T 5789
19	207010000004	2	Grease nipple 90° M10×1 GB/T 1153
20	103011053007	2	Cylinder, steer (A)
20a-1	207990003941	1	Seal kit, cylinder (SC: 1000898 ,SC : 1000898)
20a-2	207990003541	1	Seal kit, cylinder (SC: 1000026,SC : 1000026)
20a-3	207990003363	1	Seal kit, cylinder (SC: 1000148,SC : 1000148)
20a-4	207990004255	1	Seal kit, cylinder (SC: 1000107,SC : 1000857)
21		1	Steer Linkage(See Sec. 1.3 for details)
22	105001030060	2	Shaft XGΦ30-80[Z]
23	104021033028	2	Shaft
24	214030000035	2	Self-lubricating bearing
25	105001030043	2	Shaft XGΦ65-695[Z]
26	214030000071	4	Bearing, self-lubricating
27	215010000219	2	Bolt M20×110-8.8-ZnD GB/T 5782
28	215030000098	2	Nut M20-8-ZnD GB/T 889.1
29	214030000053	4	Self-lubricating bearing
30	103008033056	4	Shaft XGΦ40-100[Z]

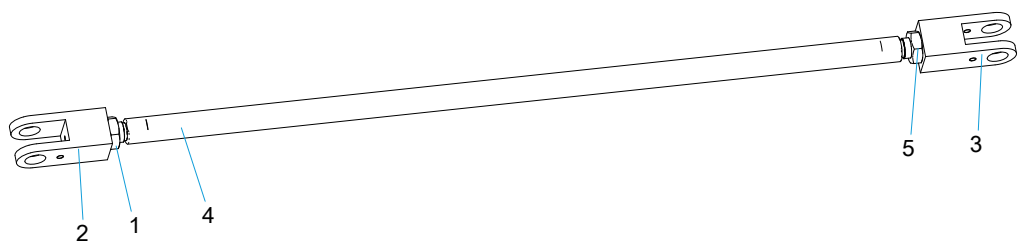
No.	Part No.	Qty.	Description
31	103008033055	4	Plate, clamp
32	215010000238	6	Bolt M10×25-8.8-ZnD GB/T 5789
33	103008033000	2	Shim
34	103008033001	2	Shim
35	105001030054	2	Washer
36	103011033071	1	Plate, cover
37	105084033060	1	Plate, cover
38	215030000106	16	B type spring nuts
39	103011033064	2	Plate, cover (small)
40	215010000225	4	Bolt M16×65-10.9-DKL GB/T 5789
41	104021030002	2	Support, pipe
42	215040000005	4	Washer 8-ZnD GB/T 93
43	215020000024	4	Screw M8×25-8.8-ZnD GB/T 70.1
44	104016020023	2	U-clamp
45	215030000026	4	Nut M8-8-ZnD GB/T889.1
46	114004033006	2	Shim
47		1	Oscillate Cylinder Installation(See Sec. 1.4 for details)
48	103008033057	4	Pad, adjusting
49	105031030011	4	Pad, adjusting
50	105031030013	2	Pad, adjusting
51	103011033074	2	Plate, cover
52	105084033036	2	Bracket, rotary coupler
53	215010000276	4	Bolt M16×40-8.8-ZnD GB/T 5789
54	215040000051	8	Washer 12-DKL GB/T 1230
55	215020000074	8	Screw M12×30-10.9-DKL GB/T 70.1
56	203160000007	1	Band, conductive
57	215010000233	1	Bolt M8×12-8.8-ZnD GB/T 5789

1.2 DRIVE REDUCER (PN.204020000026)



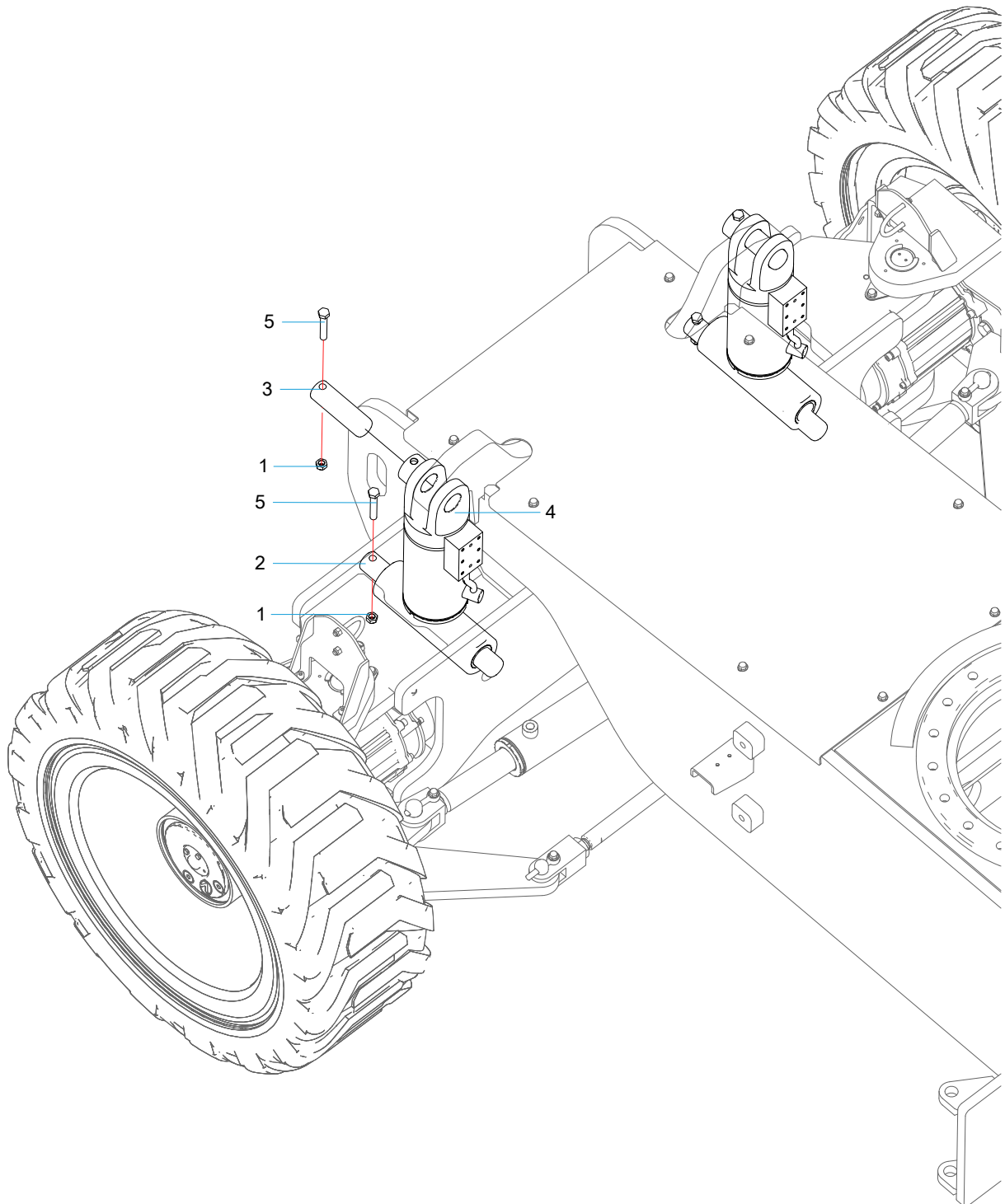
No.	Part No.	Qty.	Description
1	201990003020	1	Small end cap
2	207080003000	2	Oil plug
3	207060003012	1	Seal kit

1.3 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

1.4 OSCILLATE CYLINDER INSTALLATION



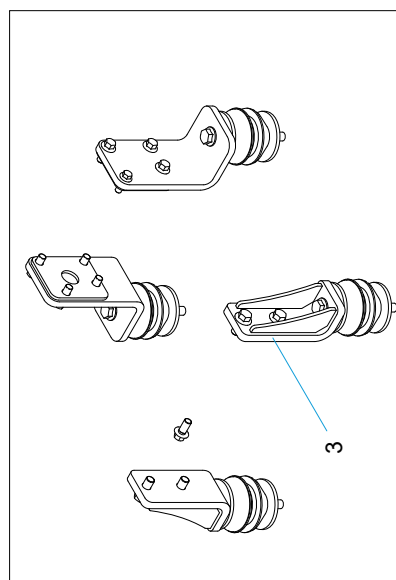
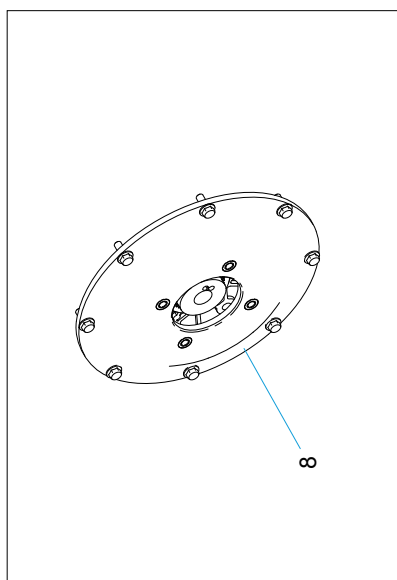
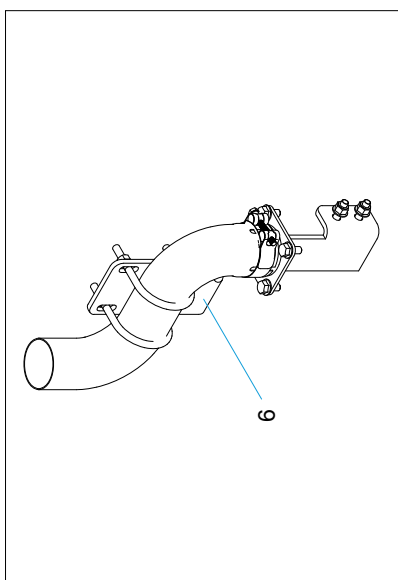
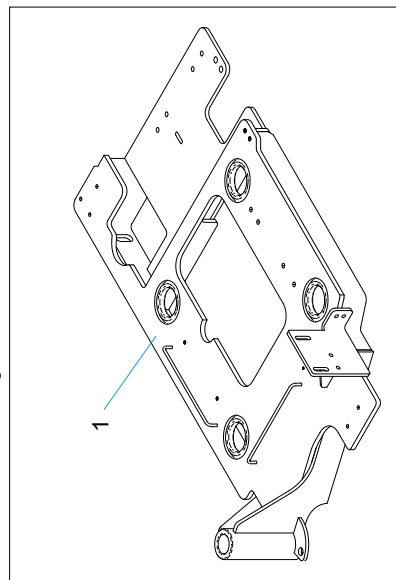
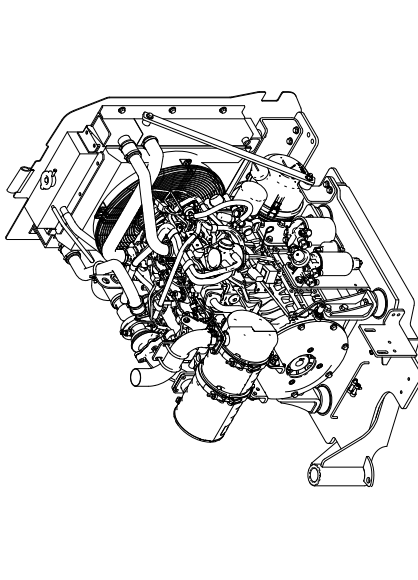
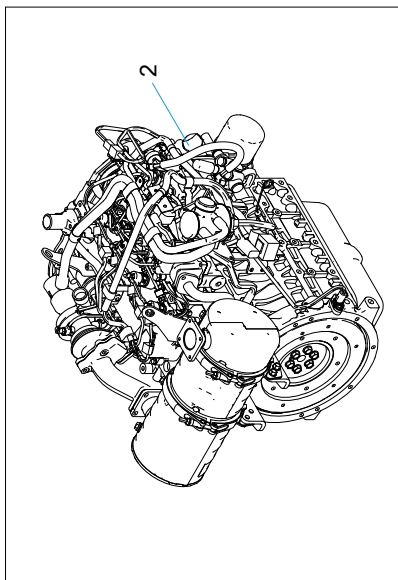
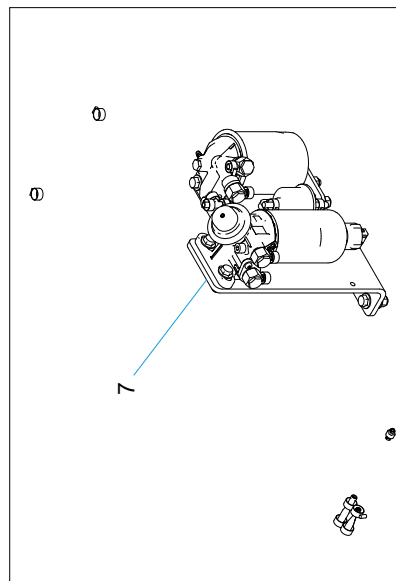
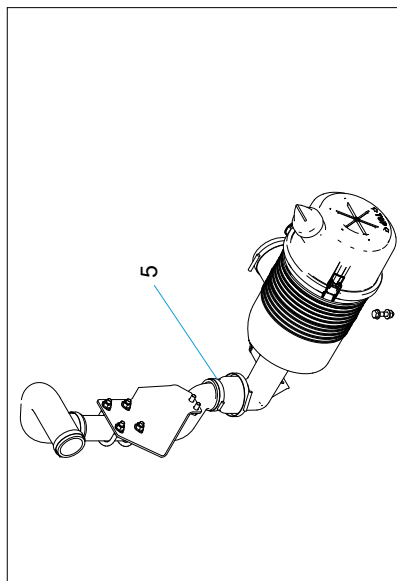
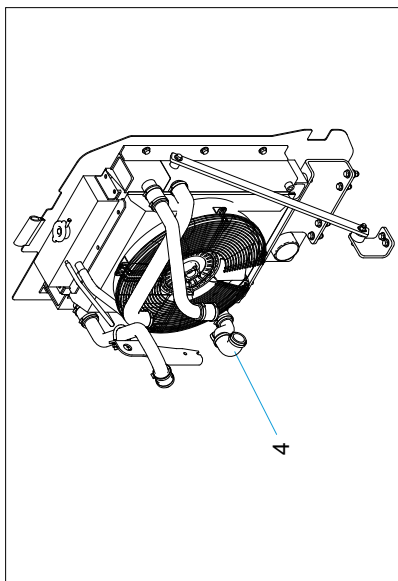
No.	Part No.	Qty.	Description
1	215030000029	4	Nut M12-8-ZnD GB/T 6184
2	103008030060	2	Shaft XGΦ40-340[Z]
3	104008030005	2	Shaft XGΦ40-125[Z]
4	105001030077	2	Cylinder, support (C)
4a-1	207990003892	1	Seal kit, cylinder (SC: 1000898)
4a-2	207990003335	1	Seal kit, cylinder (SC: 1000026)
4a-3	207990004253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

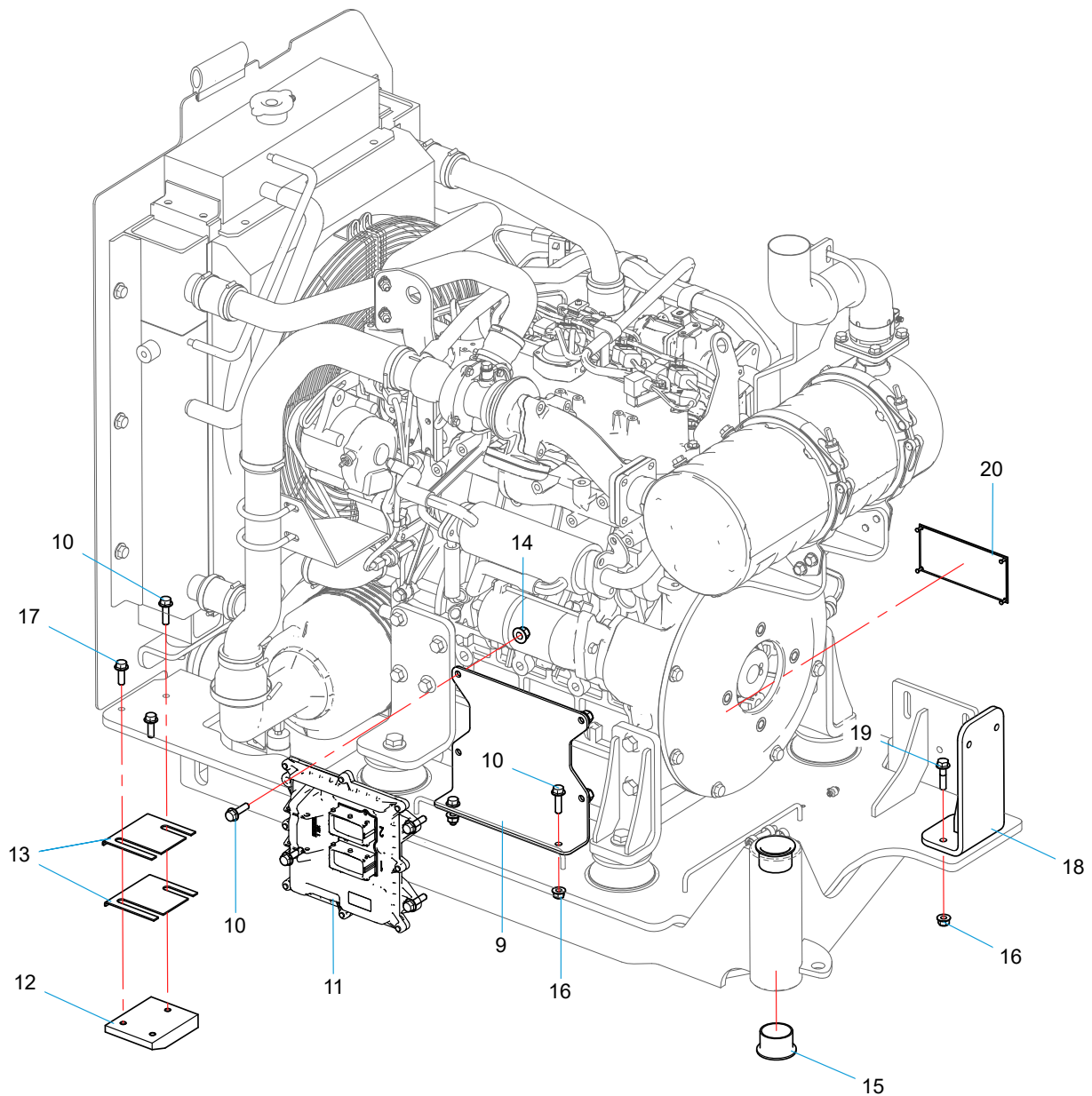
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2 ENGINE OPTIONS

2.1 ENGINE INSTALLATION ((KUBOTA,V2403))

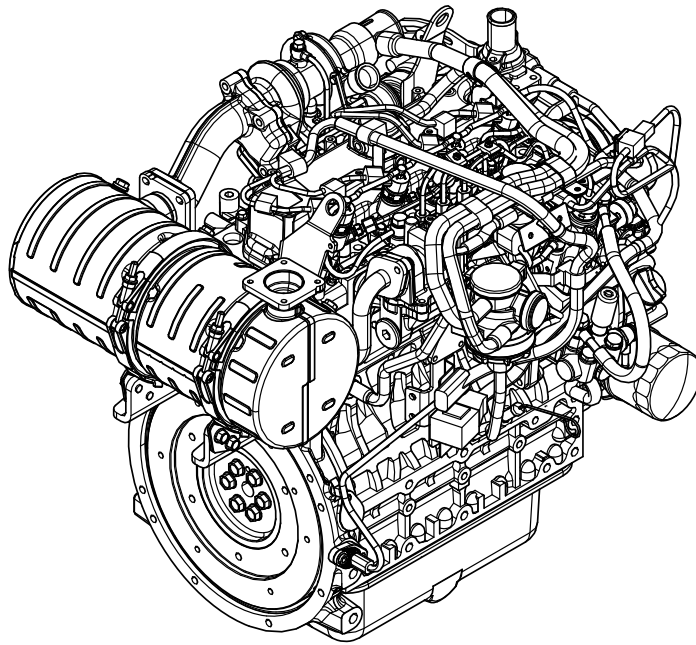
2.1.1 ENGINE INSTALLATION ((KUBOTA,V2403))





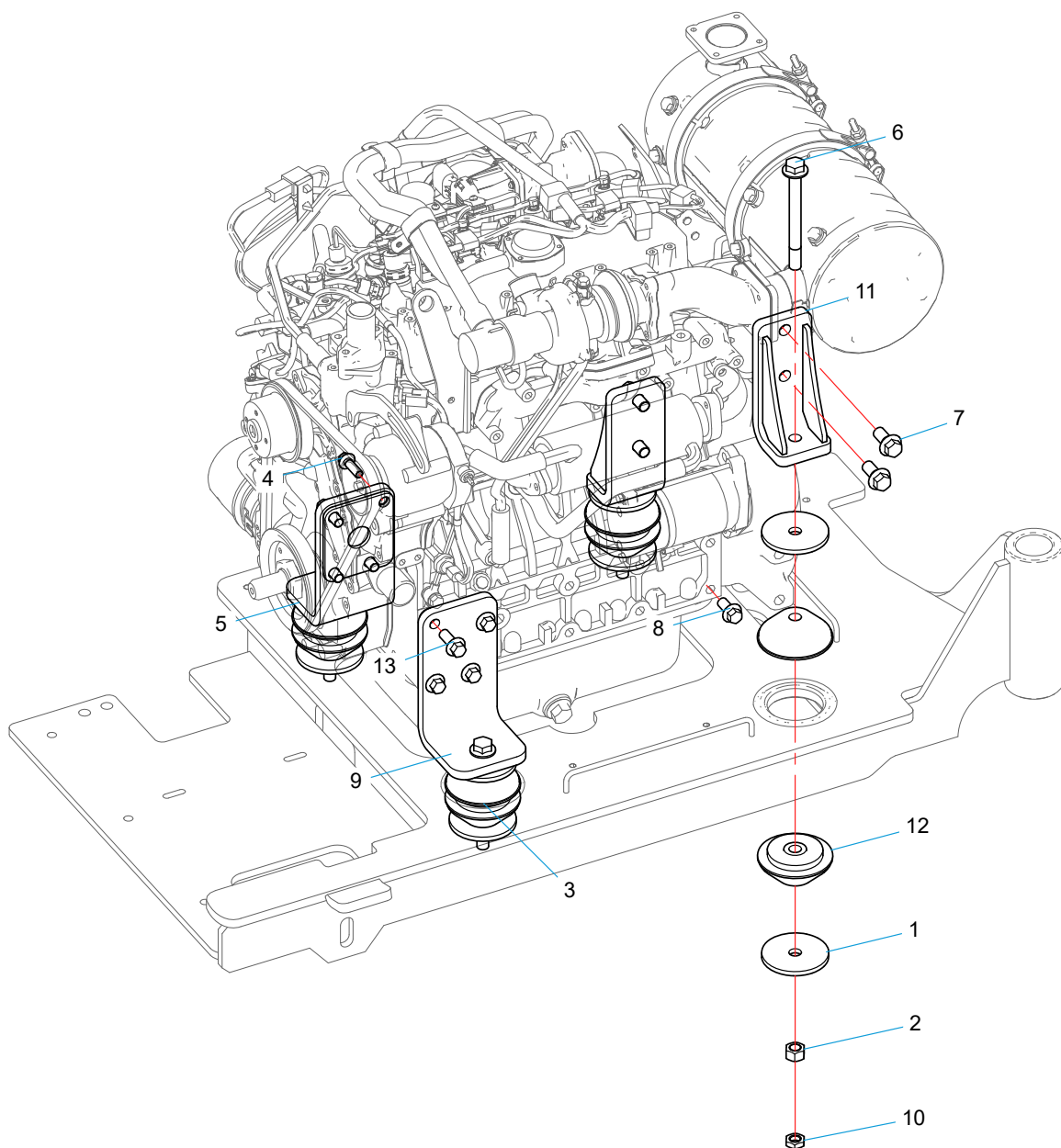
No.	Part No.	Qty.	Description
1	105084023255	1	Underframe,engine
2	201010003214	1	Engine,Kubota(V2403-CR-TIE4B-SBM-2)(See Sec. 2.1.2 for details)
3		1	Mount System Installation(See Sec. 2.1.3 for details)
4		1	Cooling System Installation(See Sec. 2.1.4 for details)
5		1	Intake System Installation(See Sec. 2.1.5 for details)
6		1	Exhaust System Installation(See Sec. 2.1.6 for details)
7		1	Fuel Supply System Installation(See Sec. 2.1.7 for details)
8		1	Engine Oil Pump Transmission(See Sec. 2.1.8 for details)
9	102013033291	1	Mounting plate
10	215010000236	7	Bolt M8×30-8.8-ZnD GB/T 5789
11	203020003202	1	KUBOTA engine ECU
12	105031023036	1	Slider block
13	105001020217	2	Shim
14	215030000109	4	Nut M10-8-ZnD GB/T 6183.1
15	214030000015	2	Bearings 40×44×30 SF-LF
16	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
17	215010000235	2	Bolt M8×25-8.8-ZnD GB/T 5789
18	105084023119	1	Bracket
19	215010000296	2	Bolt M8×35-8.8 ZnD GB/T 5789
20		1	INST, exemption information label (Kubota,V2403-CR-TIE4B-SBM-2)
20a	215050000001	4	Blind rivet 3×8-ZnD GB/T 12618.2
20b	117003033528	1	Exemption information label

2.1.2 ENGINE, KUBOTA(V2403-CR-TIE4B-SBM-2) (PN.201010003214)



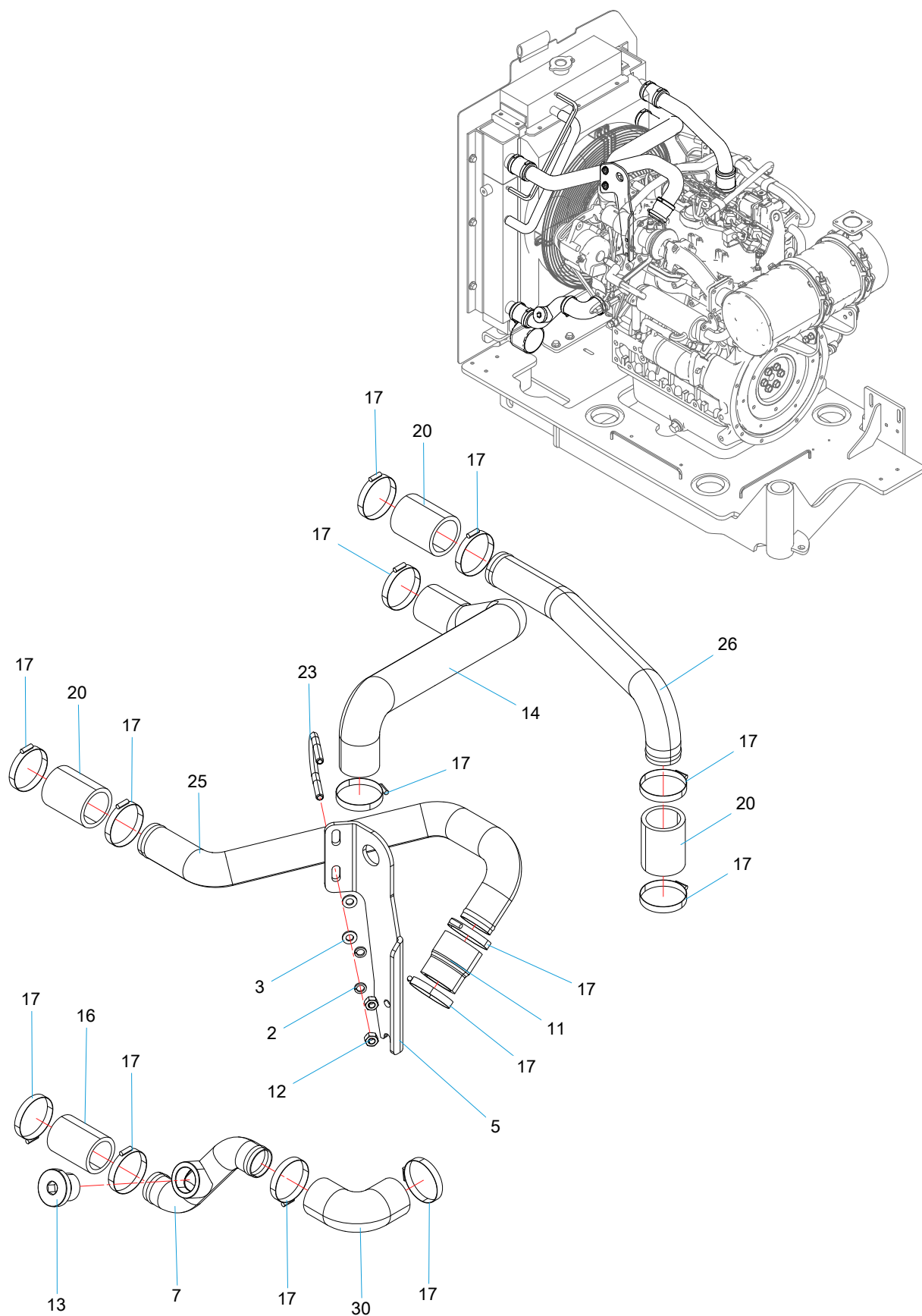
No.	Part No.	Qty.	Description
1	201990003455	1	Element, filter (engine oil)
2	201020003129	1	Outer element,air filter
3	201051063129	1	Pipe,fuel(φ4)(engine own)
4	201040003053	1	Fan shim
5	203020003202	1	KUBOTA engine ECU
6	201020003120	1	Filter,air(engine own)
6a	201020003129	1	Outer element,air filter
6b	201020003130	1	Inner element,air filter
7	201020003130	1	Inner element,air filter
8	201051063131	4	Clip,pipe(engine own)
9	201051063126	4	Bolt,special(M14)(engine own)
10	201020003118	1	Sensor,air flow(engine own)
11	201051063125	8	Washer 14(engine own)
12	201990003456	1	Element, filter (diesel)
13	201051063130	1	Joint,T-pipe(φ8)(engine own)
14	201990003459	1	Element, fuel-water separator
15	201051063128	1	Filter,fuel(precision)(engine own)
15a	201990003456	1	Element, filter (diesel)
16	201050003059	1	Fuel-water separator
16a	201990003459	1	Element, fuel-water separator
17	201051063133	1	Valve,check(fuel)(engine own)
18	201020003119	1	Band,filter(air)(engine own)
19	201040003051	1	Fan
20	201051063127	4	Joint,special(engine own)
21	201051063042	1	Electric feed pump

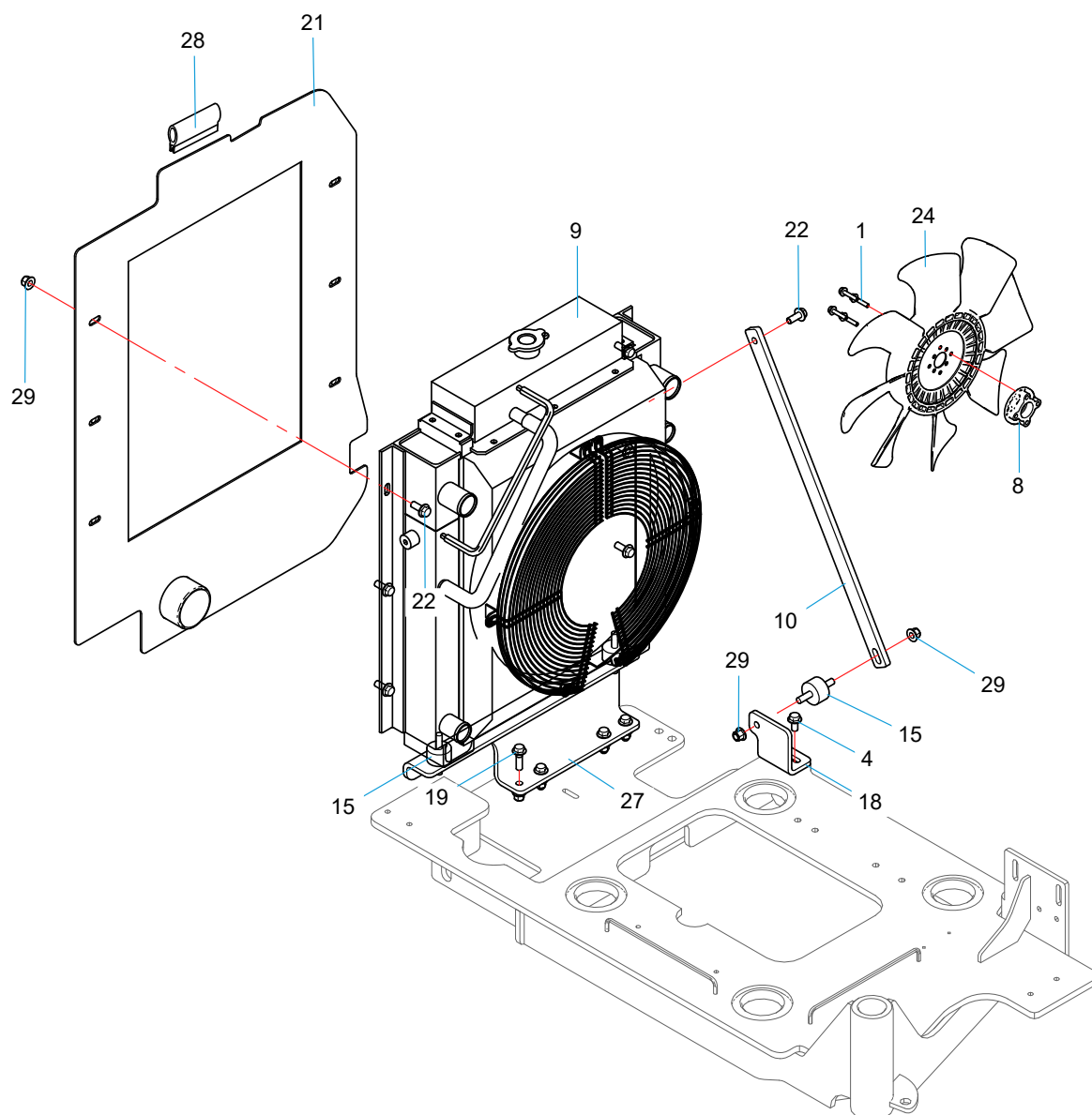
2.1.3 MOUNT SYSTEM INSTALLATION



No.	Part No.	Qty.	Description
1	105003020092	8	Gasket
2	215030000068	4	Nut M14-8-ZnD GB/T 6170
3	216040003012	4	Shock pad
4	215010000372	1	Bolt M10×1.25×30-10.9-DKL GB/T 16674.2
5	105084023258	1	Outrigger,rear(L)
6	215010000271	4	Bolt M14×140-10.9-DKL GB/T 5789
7	215010000376	4	Bolt M14×1.5×30-10.9-DKL GB/T 16674.2
8	215010000374	1	Bolt M12×1.25×25-10.9-DKL GB/T 16674.2
9	105084023261	1	Outrigger,rear(R)
10	215030000096	4	Nut M14-04-ZnD GB/T 6172.1
11	105084023313	2	Outrigger,front(L)
12	216040000004	4	Shock pad
13	215010000373	7	Bolt M12×1.25×30-10.9-DKL GB/T 16674.2

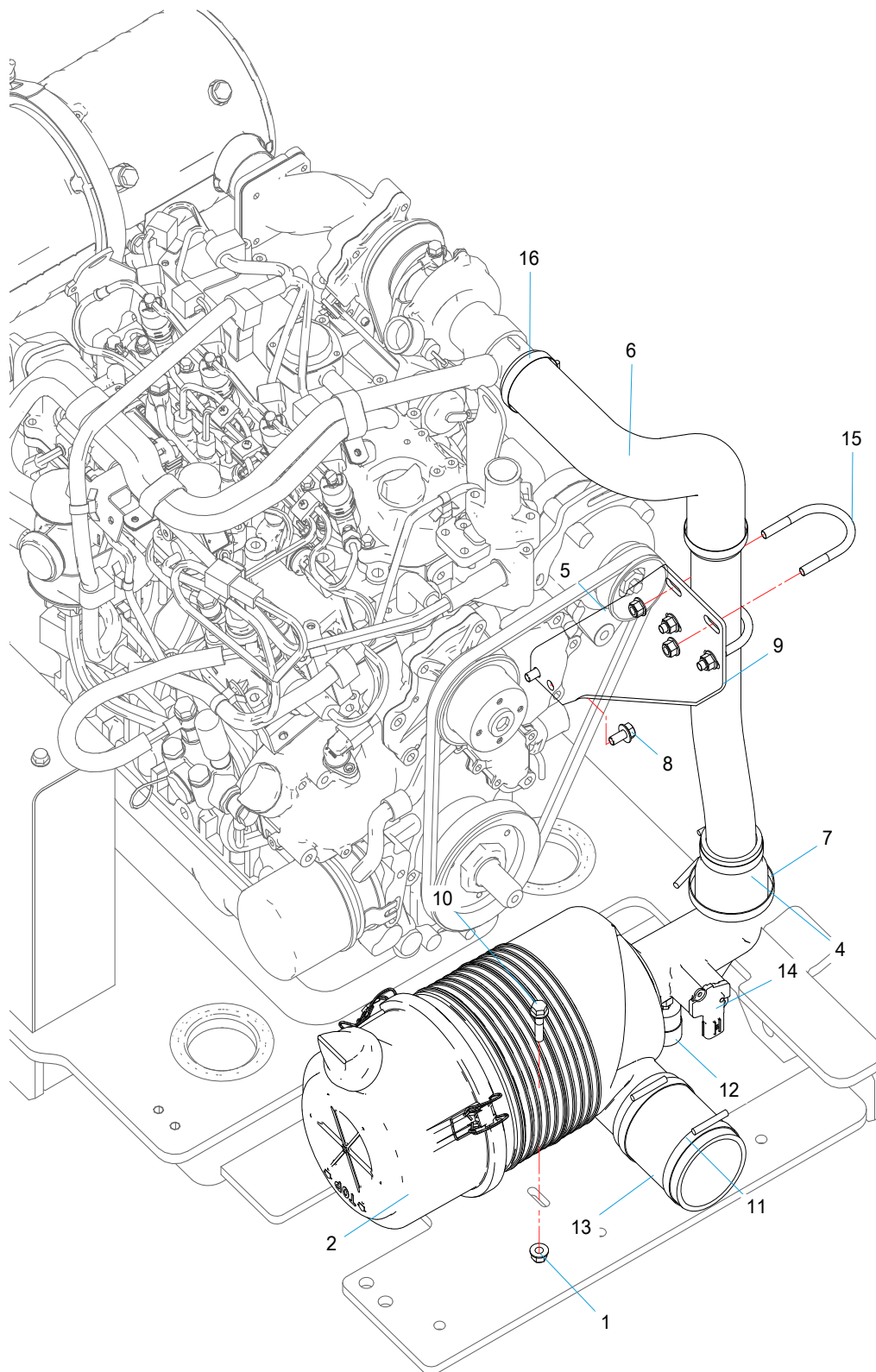
2.1.4 COOLING SYSTEM INSTALLATION





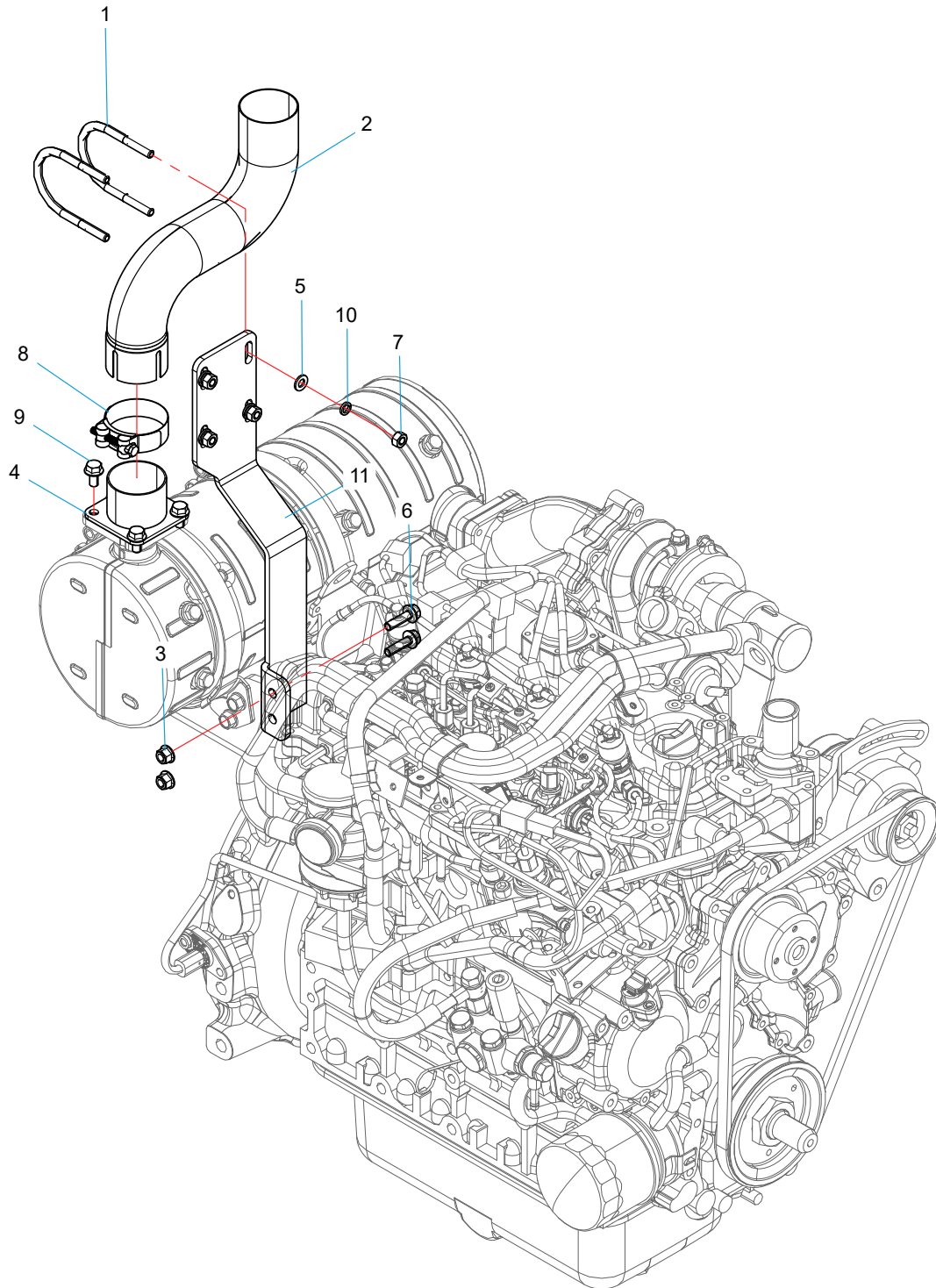
No.	Part No.	Qty.	Description
1	215010000282	4	Bolt M6×30-8.8-ZnD GB/T 5789
2	215040000005	2	Washer 8-ZnD GB/T 93
3	215040000034	2	Washer 8-200HV-ZnD GB/T 97.1
4	215010000237	2	Bolt M10×20-8.8-ZnD GB/T 5789
5	105084023372	1	Plate,folded
6	216030003018	1	Thermal insulated sealing stripe (Not Shown)
7	105084023375	1	Pipe WELD, inlet
8	201040003053	1	Fan shim
9	201040003110	1	Radiator
10	105084023281	1	Rod
11	105084023370	1	Connecting sleeve
12	215030000005	2	Nut M8-8-ZnD-GB/T 6170
13	105084023378	1	Plug
14	105084023267	1	Hose, water(inlet)
15	216030000002	3	Water tank shock pad
16	105084023377	1	Sleeve,connecting
17	216020000003	14	Clamp
18	105084023277	1	Plate,folded
19	215010000248	4	Bolt M10x35-8.8 ZnD GB/T 5789
20	105084023369	3	Connecting sleeve
21	105084023338	1	WELD,wind board
22	215010000238	7	Bolt M10×25-8.8-ZnD GB/T 5789
23	105038020068	1	Clasp
24	201040003051	1	Fan
25	105084023263	1	Tube,inlet(intercooled)
26	105084023262	1	Tube,outlet(intercooled)
27	105084023275	1	Plate,grooved
28	207070000003	1	Rubber sealing strip
29	215030000109	14	Nut M10-8-ZnD GB/T 6183.1
30	105084023376	1	Sleeve,connecting

2.1.5 INTAKE SYSTEM INSTALLATION



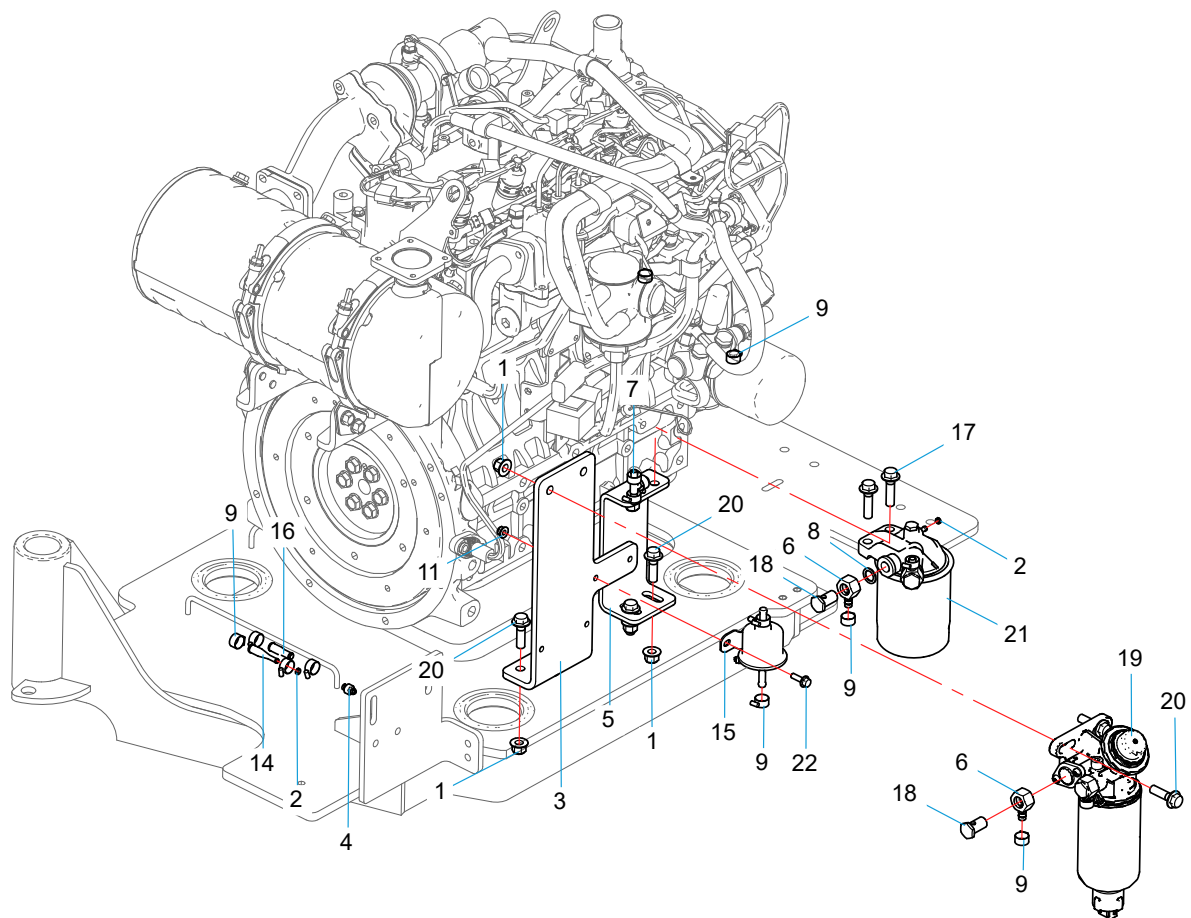
No.	Part No.	Qty.	Description
1	215030000108	6	Nut M8-8-ZnD GB/T 6183.1
2	201020003120	1	Filter,air(engine own)
2a	201020003129	1	Outer element,air filter
2b	201020003130	1	Inner element,air filter
3	201020003119	1	Band,filter(air)(engine own) (Not Shown)
4	104030020266	1	Hose,intake(air)
5	104030020264	1	Bracket
6	104030020263	1	Hose
7	216020000009	1	Hose clamp
8	215010000286	2	Bolt M8×16-8.8-ZnD GB/T 5789
9	104030020265	1	Tube
10	215010000296	2	Bolt M8×35-8.8 ZnD GB/T 5789
11	216020000015	2	T-clamp
12	201020000011	1	Indicator
13	105084023284	1	Hose
14	201020003118	1	Sensor,air flow(engine own)
15	105084023333	2	U-bolt
16	216020000007	3	Clamp

2.1.6 EXHAUST SYSTEM INSTALLATION



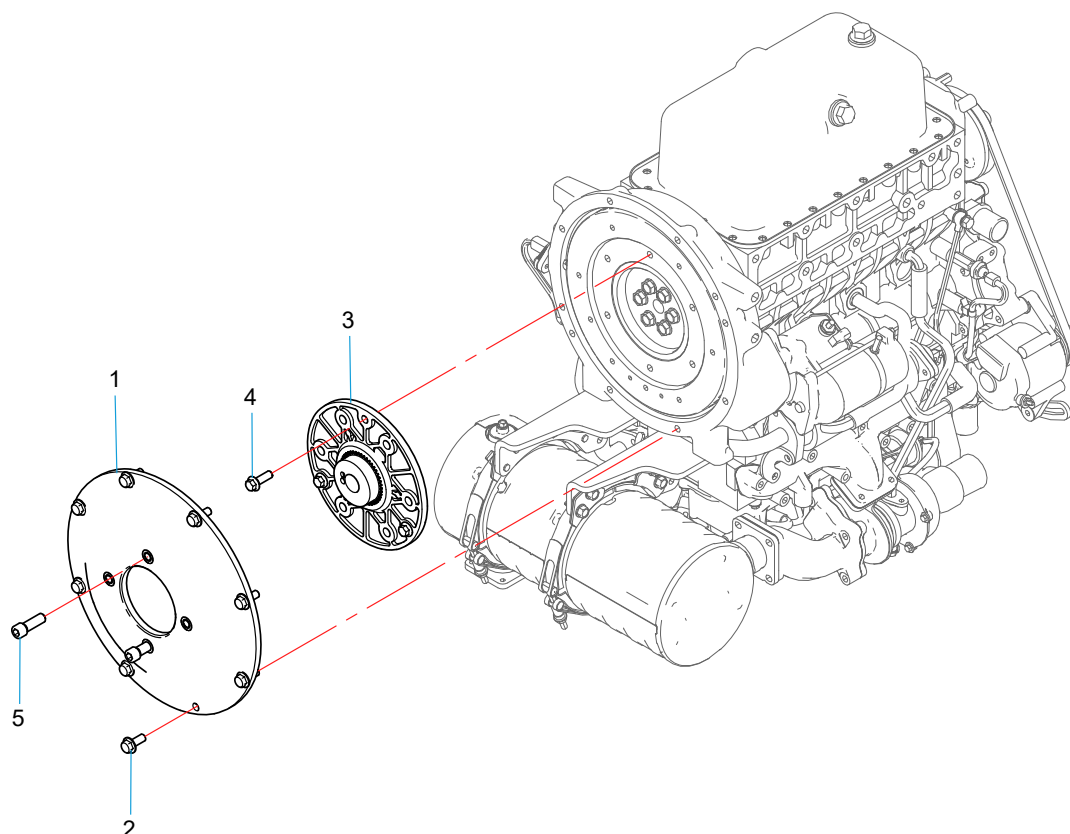
No.	Part No.	Qty.	Description
1	105050023006	2	U-clamp
2	105084023282	1	Tube,exhaust
3	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
4	105084023280	1	Base
5	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
6	215010000236	2	Bolt M8×30-8.8-ZnD GB/T 5789
7	215030000005	4	Nut M8-8-ZnD-GB/T 6170
8	216020003035	1	Clamp
9	215010000263	4	Bolt M8×16-10.9-DKL GB/T 5789
10	215040000005	4	Washer 8-ZnD GB/T 93
11	105084023286	1	Plate,folded

2.1.7 FUEL SUPPLY SYSTEM INSTALLATION



No.	Part No.	Qty.	Description
1	215030000109	8	Nut M10-8-ZnD GB/T 6183.1
2	201051063131	4	Clip,pipe(engine own)
3	105084023266	1	Bracket
4	201051063133	1	Valve,check(fuel)(engine own)
5	105084023283	1	Folded plate
6	201051063127	4	Joint,special(engine own)
7	201051063130	1	Joint,T-pipe(φ8)(engine own)
8	201051063125	8	Washer 14(engine own)
9	216020000004	15	Clamp
10	201051063115	1	Fuel pipe,Φ10 (Not Shown)
11	215030000107	2	Nut M6-A2-70 GB/T 6183.1
12	213050001671	1	Fuel pipe Φ7.5 (Not Shown,Not Shown)
13	201051063129	1	Pipe,fuel(φ4)(engine own) (Not Shown)
14	104030020109	1	Reducing coupler
15	201051063042	1	Electric feed pump
16	104020023104	1	Reducing coupler
17	215010000240	2	Bolt M10×40-8.8-ZnD GB/T 5789
18	201051063126	4	Bolt,special(M14)(engine own)
19	201050003059	1	Fuel-water separator
19a	201990003459	1	Element, fuel-water separator
20	215010000248	6	Bolt M10x35-8.8 ZnD GB/T 5789
21	201051063128	1	Filter,fuel(precision)(engine own)
21a	201990003456	1	Element, filter (diesel)
22	215010000231	2	Bolt M6×20-8.8-ZnD GB/T 5789

2.1.8 ENGINE OIL PUMP TRANSMISSION

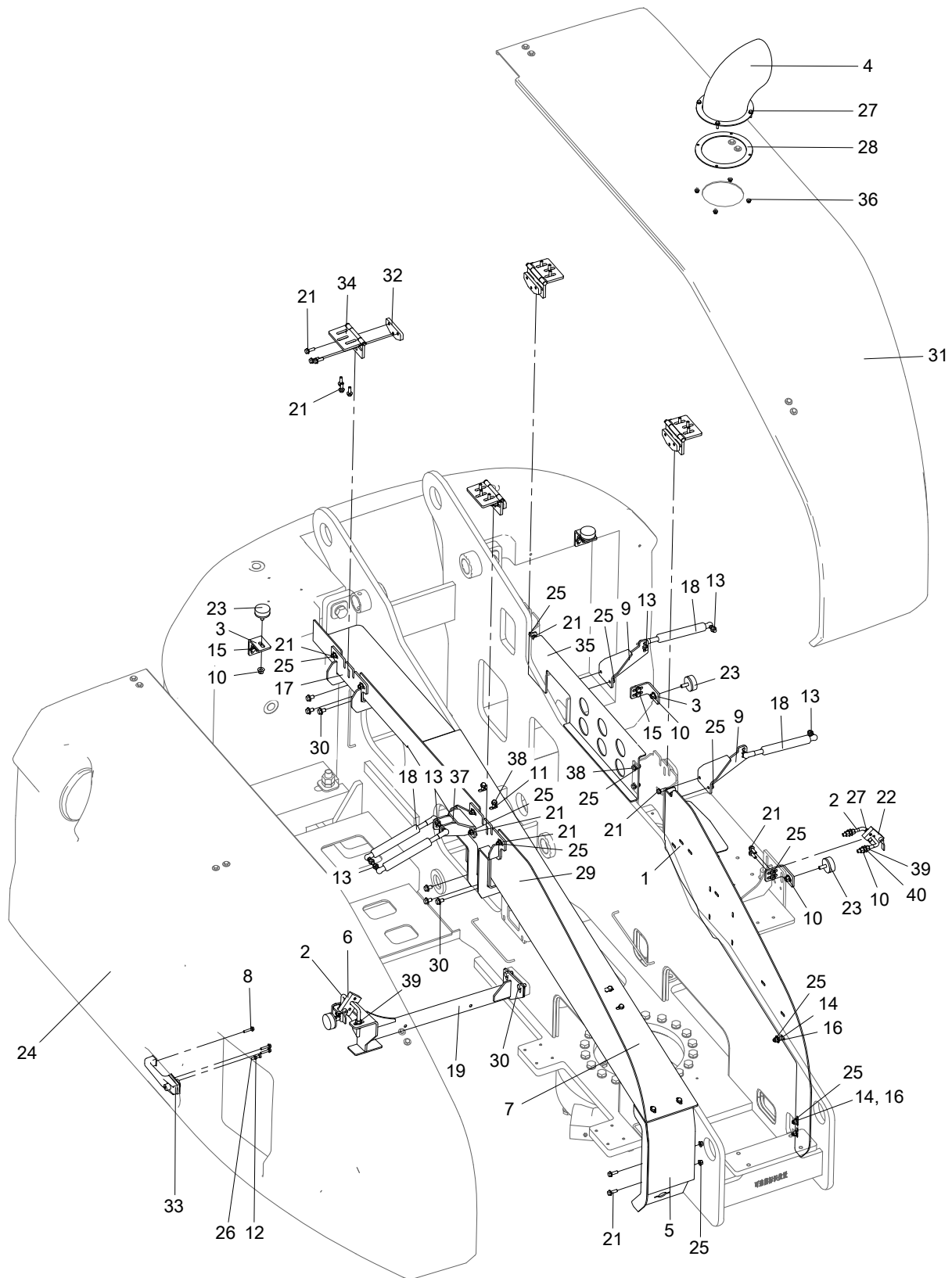


No.	Part No.	Qty.	Description
1	102013033067	1	Flange
2	215010000238	8	Bolt M10×25-8.8-ZnD GB/T 5789
3	204040003008	1	Coupling
4	215010000372	3	Bolt M10×1.25×30-10.9-DKL GB/T 16674.2
5	215080000005	2	Hexagon socket head cap screw 1/2-13UNC-1.5-GR8-DKL ASME B18.3

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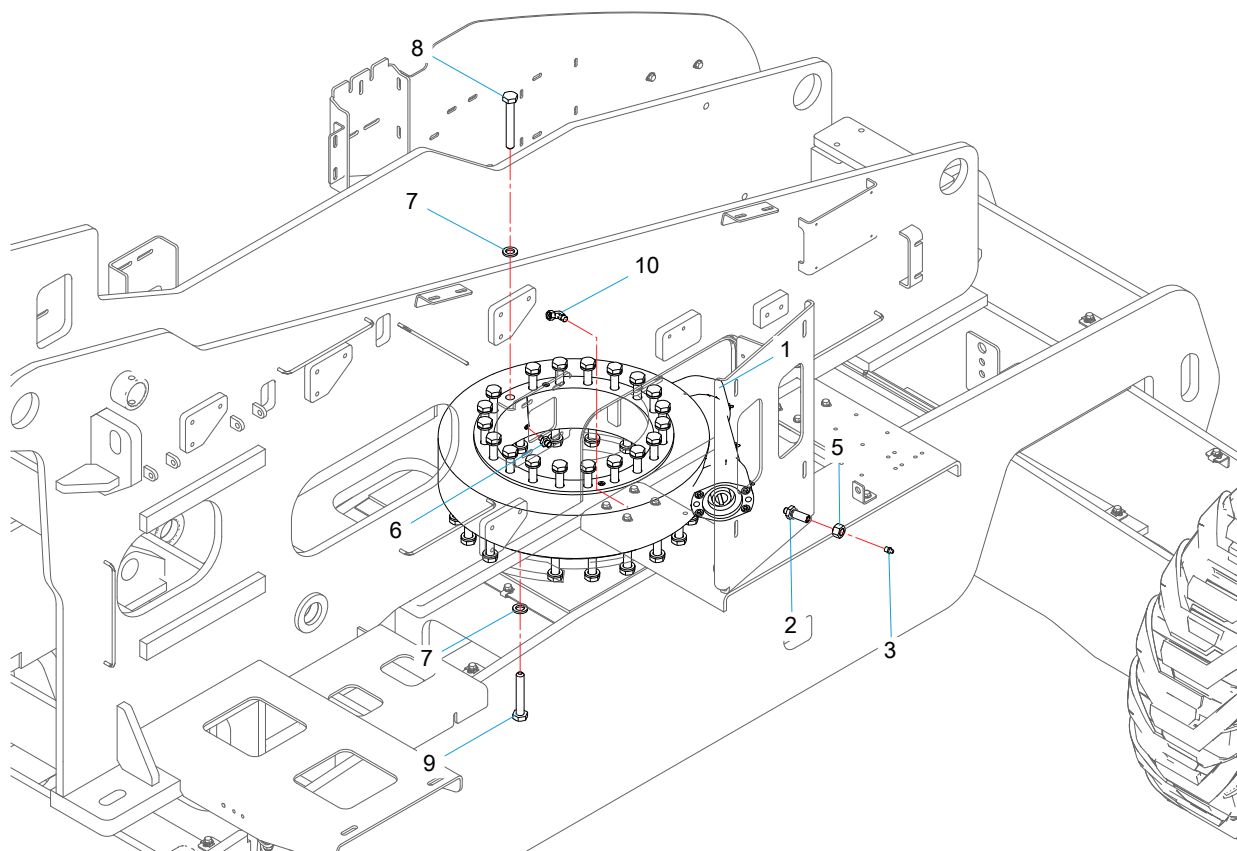
3 TURNTABLE ASSEMBLY

3.1 TURNTABLE COVER INSTALLATION



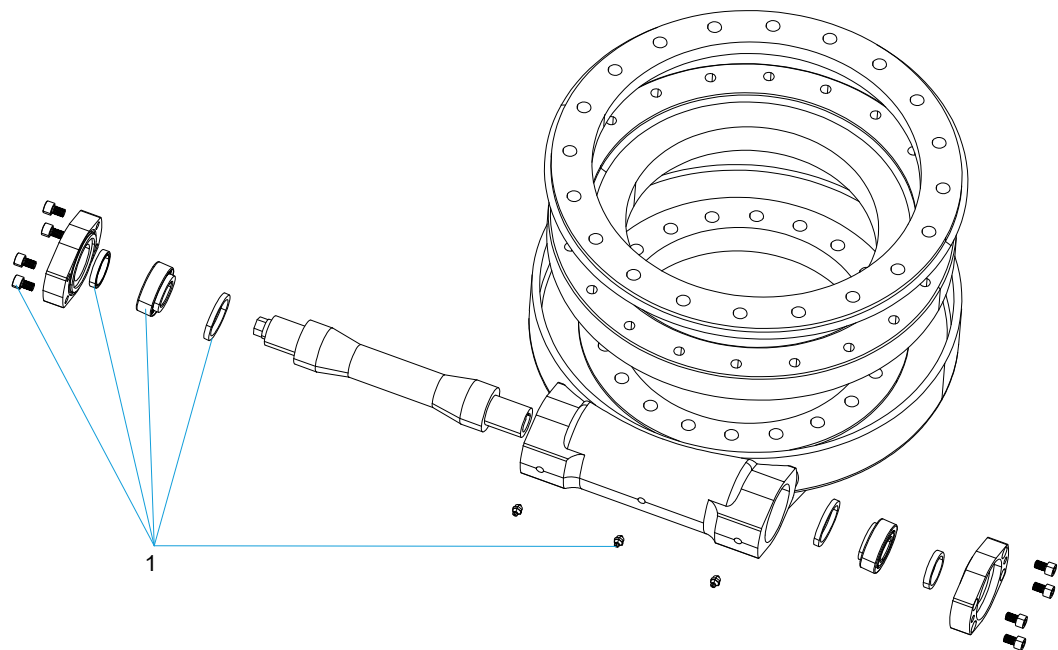
No.	Part No.	Qty.	Description
1	105084023449	1	Bracket
2	105058023036	2	U-bolt
3	105021020172	6	Fold plate
4	105038020045	1	Weldment, exhaust elbow
5	105021020188	1	Baffle
6	209050000003	1	Latch, left
7	105021020200	1	Plate
8	215010000282	6	Bolt M6×30-8.8-ZnD GB/T 5789
9	105021020193	2	Bracket, gas strut
10	215030000109	10	Nut M10-8-ZnD GB/T 6183.1
11	215030000106	4	B type spring nuts
12	215030000004	2	Nut M6-A2-70 GB/T 6170
13	215030000027	8	Nut M10-8-ZnD GB/T 6184
14	215010000297	3	Bolt M8×40-8.8 ZnD GB/T 5789
15	215010000286	6	Bolt M8×16-8.8-ZnD GB/T 5789
16	215040000015	3	Washer 8-200HV-ZnD GB/T 96.1
17	105021020180	1	Bracket
18	210010000095	4	Gas strut
19	105084023446	1	Bracket
20	216030000004	1	Seal strip (Not shown,Not Shown)
21	215010000235	44	Bolt M8×25-8.8-ZnD GB/T 5789
22	209050000002	1	Latch, right
23	216040000008	6	Shock pad
24	105021020174	1	Left Turntable Cover Installation
25	215030000108	27	Nut M8-8-ZnD GB/T 6183.1
26	215020000014	2	Screw M6×30-A2-70 GB/T 70.1
27	215010000231	8	Bolt M6×20-8.8-ZnD GB/T 5789
28	105038020018	1	Bottom plate
29	105021020186	1	Bracket
30	215010000245	8	Bolt M10×16-8.8-ZnD GB/T 5789
31	105021020158	1	Right Turntable Cover Installation
32	105021020162	4	Mounting Plate
33	209030000009	2	Lock handle
34	105001020118	4	Hinge
35	105084023085	1	Plate
36	215030000107	4	Nut M6-A2-70 GB/T 6183.1
37	105021020154	1	Bracket, gas strut
38	215010000234	10	Bolt M8×20-8.8-ZnD GB/T 5789
39	215030000006	4	Nut M10-8-ZnD GB/T 6170
40	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1

3.2 SLEWING MECHANISM



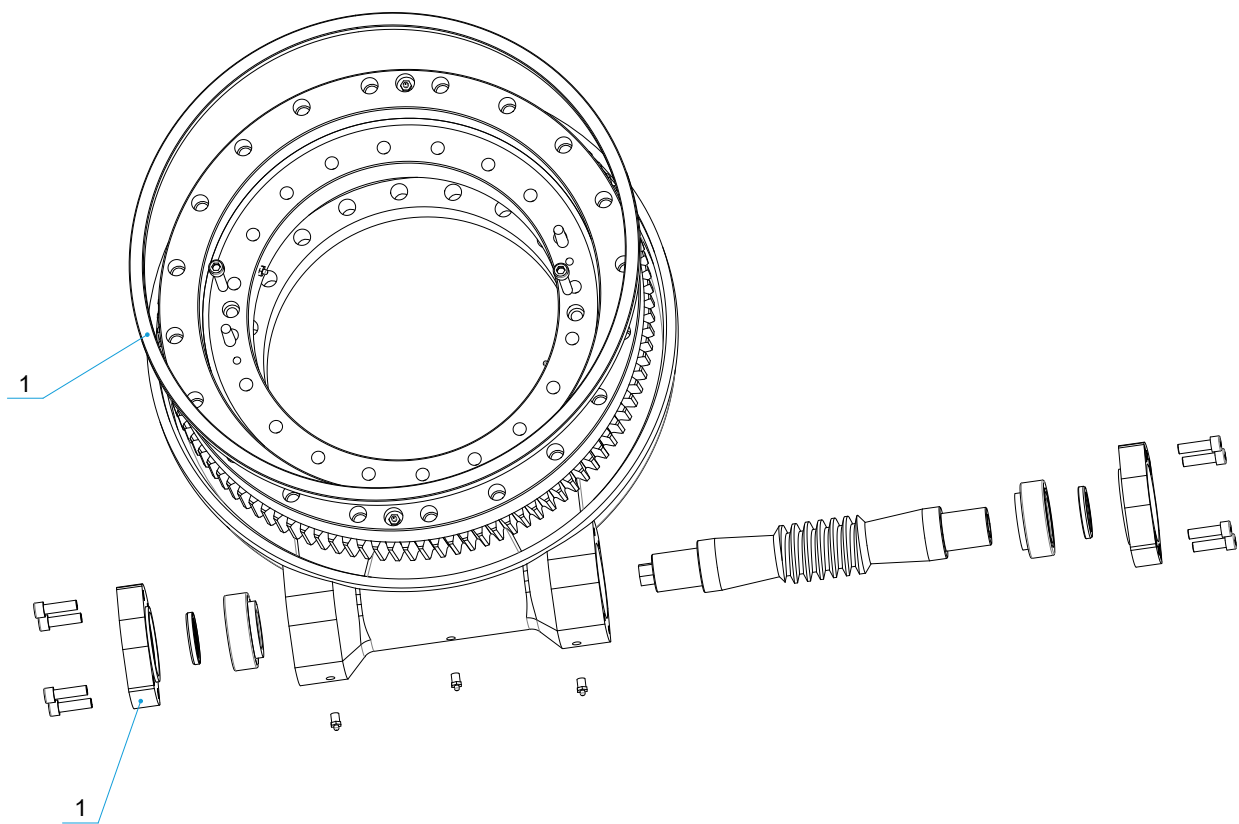
No.	Part No.	Qty.	Description
1		1	OPT, reducer (slewing)
1-1	204020000045	1	Reducer, slewing (Interchangeable with 2)(See Sec. 3.3 for details)
1-2	204020000015	1	Slewing Reducer (Interchangeable with 1)(See Sec. 3.4 for details)
2	105001020225	1	Fitting
3	207010000003	1	Grease nipple M10×1 GB/T 1152
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	215010000154	20	Bolt M16×120-10.9-DKL GB/T 1228
9	215010000152	20	Bolt M16×100-10.9-DKL GB/T 1228
10	213010000205	1	Coupler

3.3 REDUCER, SLEWING (PN.204020000045)



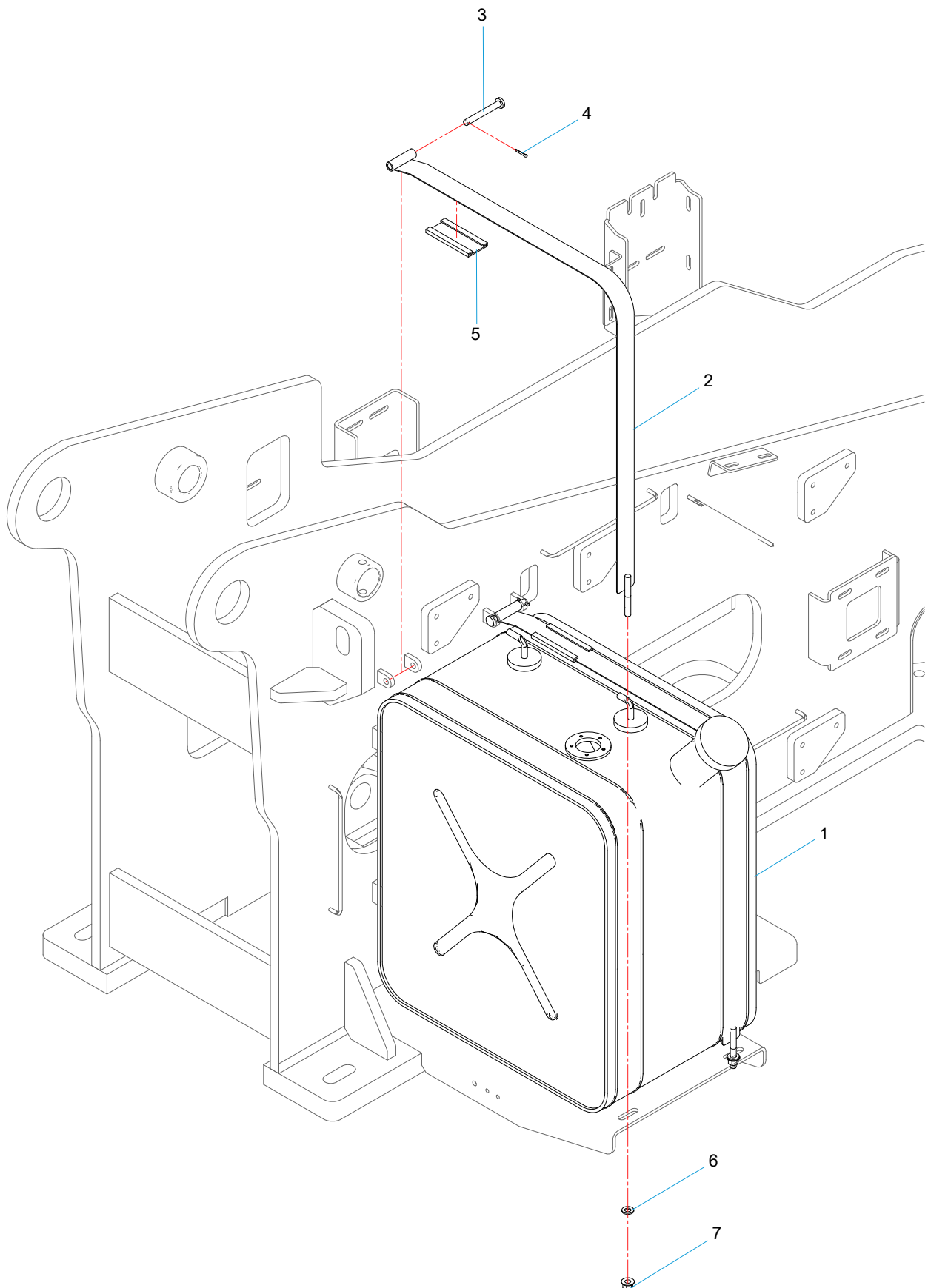
No.	Part No.	Qty.	Description
1	204120003017	1	Service kit, seal (slewing reducer)

3.4 SLEWING REDUCER (PN.204020000015)



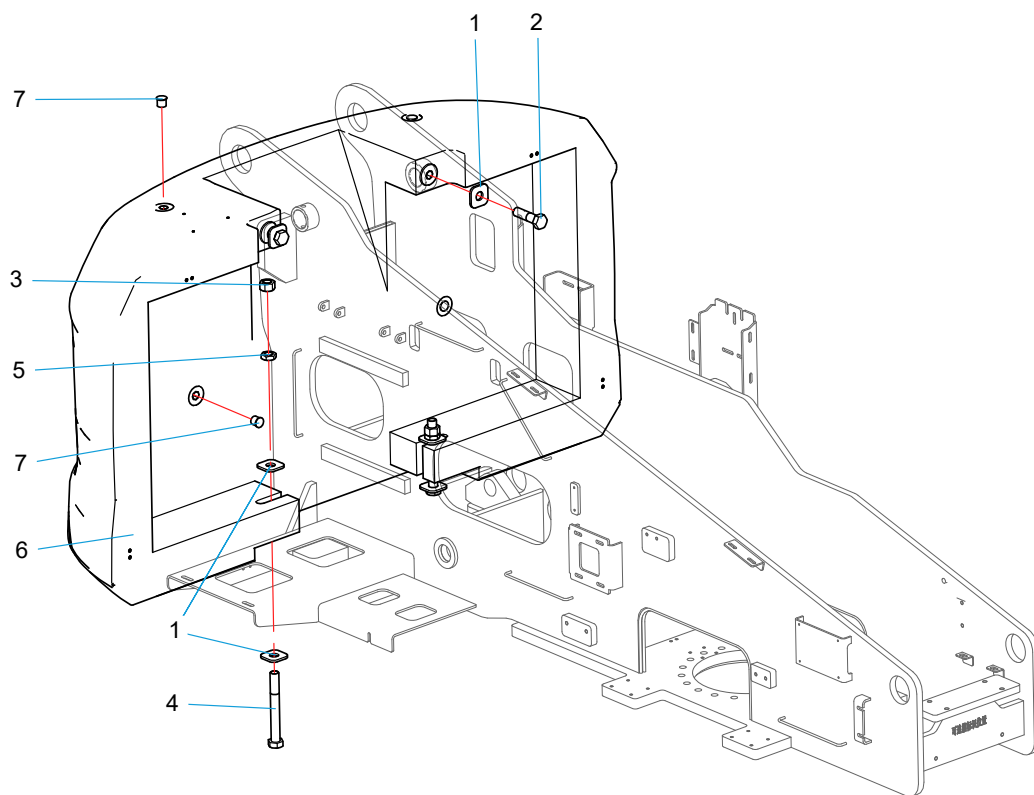
No.	Part No.	Qty.	Description
1	204120003016	1	Service kit, seal (slewing reducer)

3.5 FUEL TANK INSTALLATION



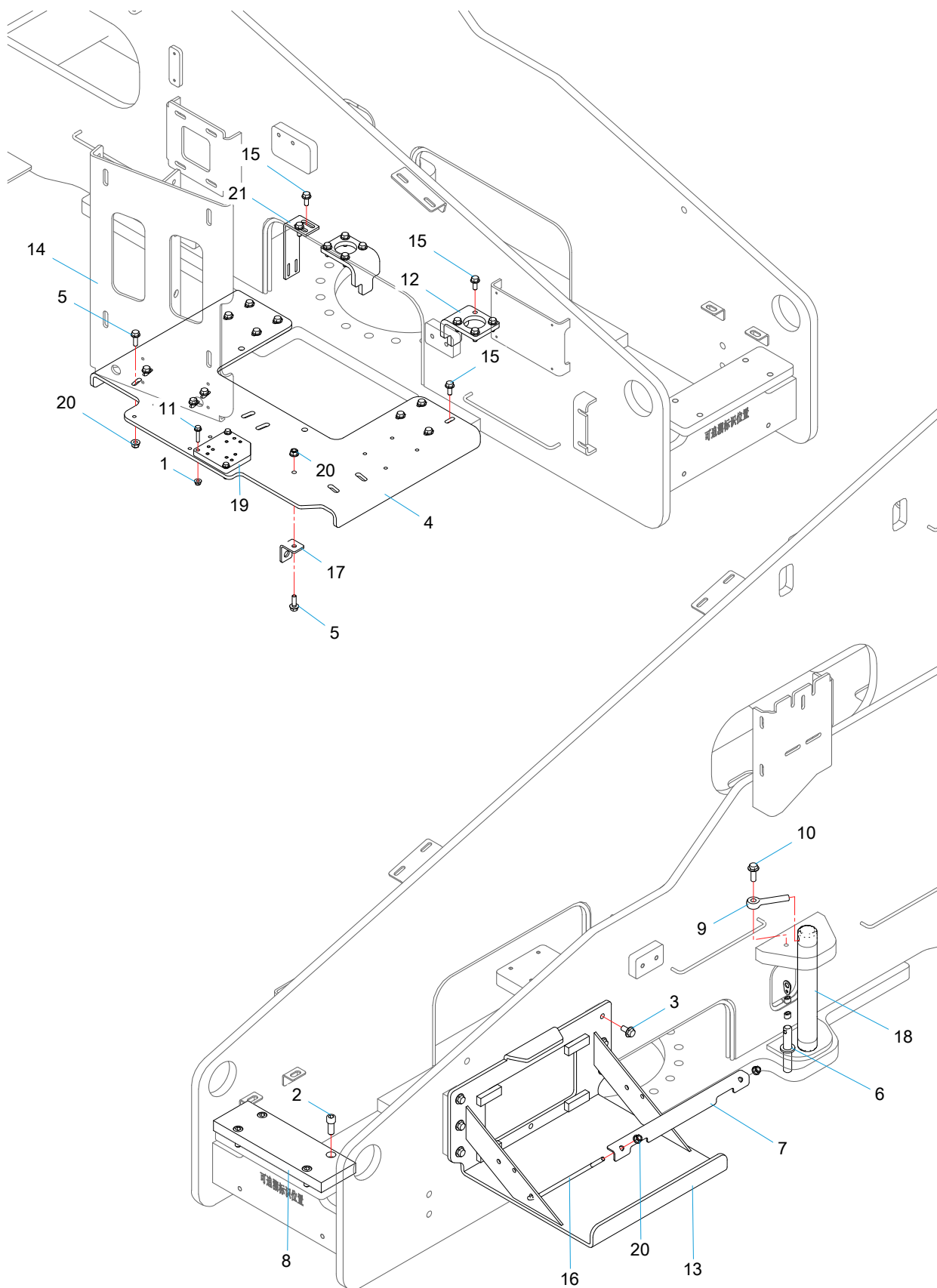
No.	Part No.	Qty.	Description
1	105021020095	1	Fuel tank
1a	201990000013	1	Fuel tank cap
2	105021020091	2	Strap, mounting
3	215060000030	2	Clevis pin B10×80-ZnD GB/T 882
4	215060000003	2	Pin 3.2×16-A2-70 GB/T 91
5	216030000023	6	Double U-typed clamp
6	215040000035	2	Washer 10-200HV-ZnD GB/T 97.1
7	215030000109	2	Nut M10-8-ZnD GB/T 6183.1

3.6 COUNTERWEIGHT INSTALLATION



No.	Part No.	Qty.	Description
1	105001020138	6	Pad
2	215010000030	2	Bolt M24×90-8.8-ZnD GB/T 5782
3	215030000014	2	Nut M24-8-ZnD GB/T 6170
4	215010000036	2	Bolt M24×200-8.8-ZnD GB/T 5782
5	215030000021	2	Nut M24-04-ZnD GB/T 6172.1
6	105084023016	1	(filling) counterweight
7	213060003001	4	Hole plug

3.7 ACCESSORY INSTALLATION

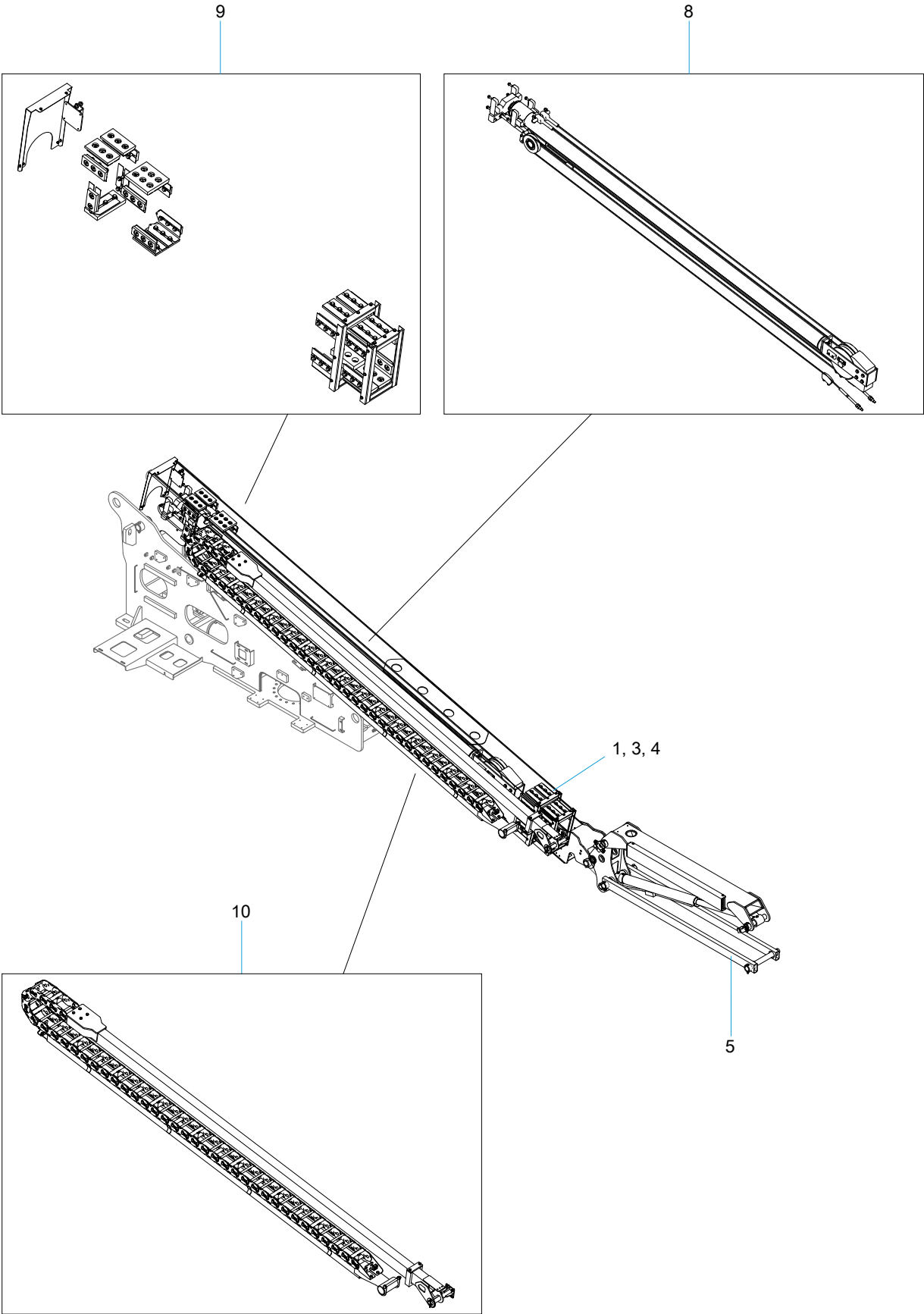


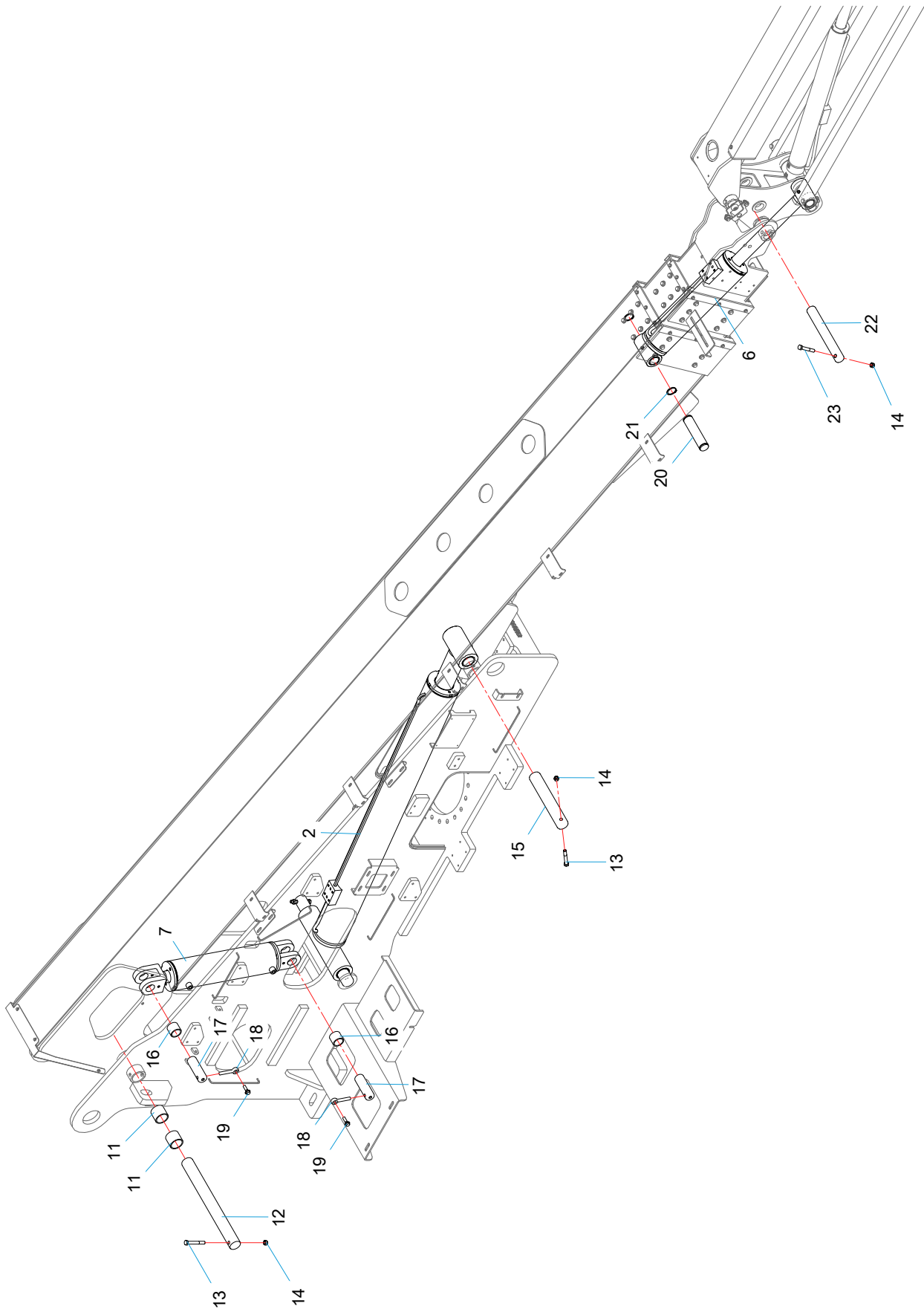
No.	Part No.	Qty.	Description
1	215030000107	3	Nut M6-A2-70 GB/T 6183.1
2	215020000073	4	Screw M12×30-8.8-ZnD GB/T 70.1
3	215010000237	6	Bolt M10×20-8.8-ZnD GB/T 5789
4	105084023302	1	Plate, folded
5	215010000235	5	Bolt M8×25-8.8-ZnD GB/T 5789
6	105001020178	1	Safety pin
7	105001020176	1	Pressbar
8	105001020167	1	Block, cushion
9	209020000002	1	Pin
10	215010000239	1	Bolt M10×30-8.8-ZnD GB/T 5789
11	215010000282	3	Bolt M6×30-8.8-ZnD GB/T 5789
12	105084023031	2	Plate
13	105001020179	1	Bracket, battery
14	105084023304	1	Bracket, control box
15	215010000234	18	Bolt M8×20-8.8-ZnD GB/T 5789
16	105001020169	2	Pull rod
17	105084023032	1	Plate
18	104009020077	1	Pin XGΦ40-295[Z]
19	105074023184	1	Plate
20	215030000108	7	Nut M8-8-ZnD GB/T 6183.1
21	103010023042	1	Plate, folded

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4 BOOM ASSEMBLY

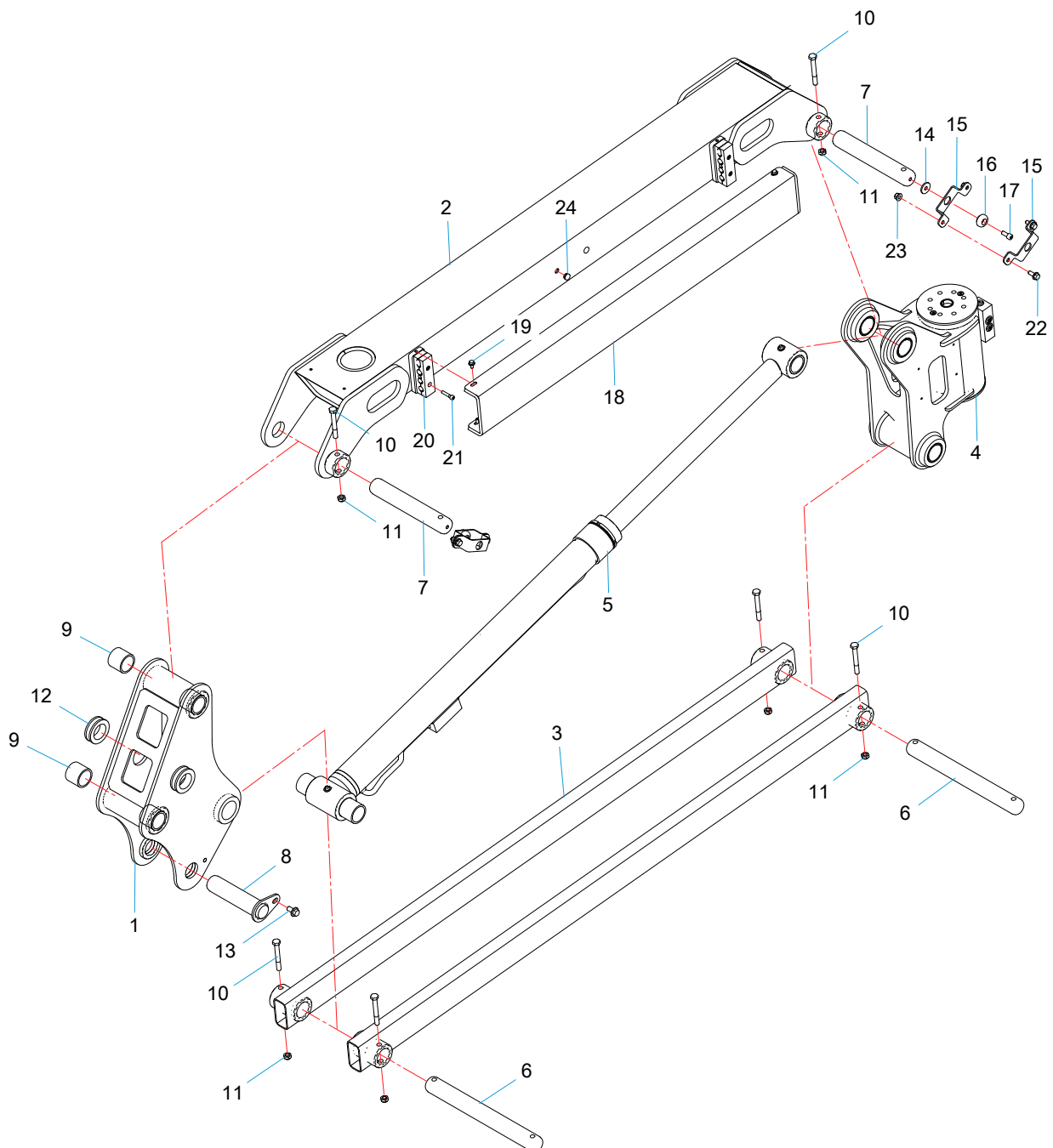
4.1 BOOM ASSEMBLY (PN.105084013155)





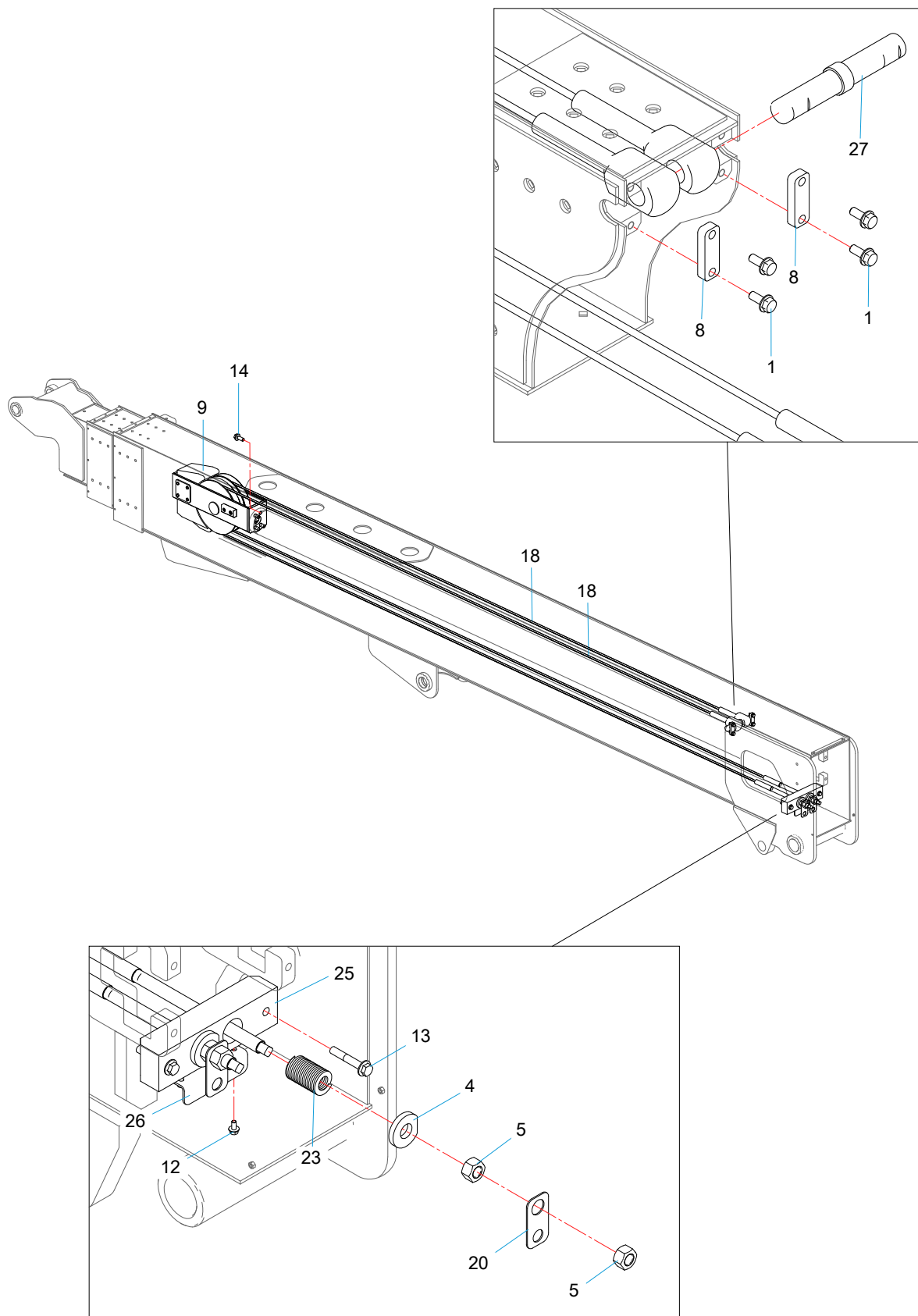
No.	Part No.	Qty.	Description
1	105084013091	1	Base boom[G]
2	104028053001	1	Cylinder, lift (A)
2a-1	207990004252	1	Seal kit, cylinder (SC: 1000857)
2a-2	207990003939	1	Seal kit, cylinder (SC: 1000898)
2a-3	207990003447	1	Seal kit, cylinder (SC: 1000148)
3	105084013095	1	Telescopic boom, #1
4	105084013088	1	Telescopic boom, #2
5	105084013156	1	Jib Boom Assembly(See Sec. 4.2 for details)
6	105025013315	1	Slave Cylinder (C)
6a-1	207990004177	1	Seal kit, cylinder (SC : 1000898)
6a-2	207990004178	1	Seal kit, cylinder (SC : 1000026)
6a-3	207990004179	1	Seal kit, cylinder (SC : 1000215)
6a-4	207990004196	1	Seal kit, cylinder (SC : 1000145)
6a-5	207990004251	1	Seal kit, cylinder (SC : 1000857)
7	105025013412	1	Level cylinder, lower (B)
7a-1	207990003895	1	Seal kit, cylinder (SC: 1000898)
7a-2	207990004254	1	Seal kit, cylinder (SC : 1000857)
7a-3	207990000151	1	Seal kit, cylinder (SC : 1000026)
8		1	Telescopic Mechanism(See Sec. 4.3 for details)
9		1	Boom Installation(See Sec. 4.5 for details)
10		1	Cable Track Installation(See Sec. 4.6 for details)
11	214030000067	2	Self-lubricating bushing 50×58×50
12	105084013109	2	Shaft XGΦ50-500[Z]
13	215010000016	3	Bolt M12×90-8.8-ZnD GB/T 5782
14	215030000029	4	Nut M12-8-ZnD GB/T 6184
15	105082013223	1	Shaft XGΦ50-295[Z]
16	214030000053	2	Self-lubricating bearing
17	105001010235	2	Shaft XGΦ40-120[Z]
18	209020000002	2	Pin
19	215010000248	2	Bolt M10x35-8.8 ZnD GB/T 5789
20	105074013107	1	Shaft XGΦ40-175[Z]
21	215040000097	2	Ring, retaining 40-DKL JB/ZQ 4342
22	105084013135	1	Shaft XGΦ40-300[Z]
23	215010000015	1	Bolt M12×80-8.8-ZnD GB/T 5782

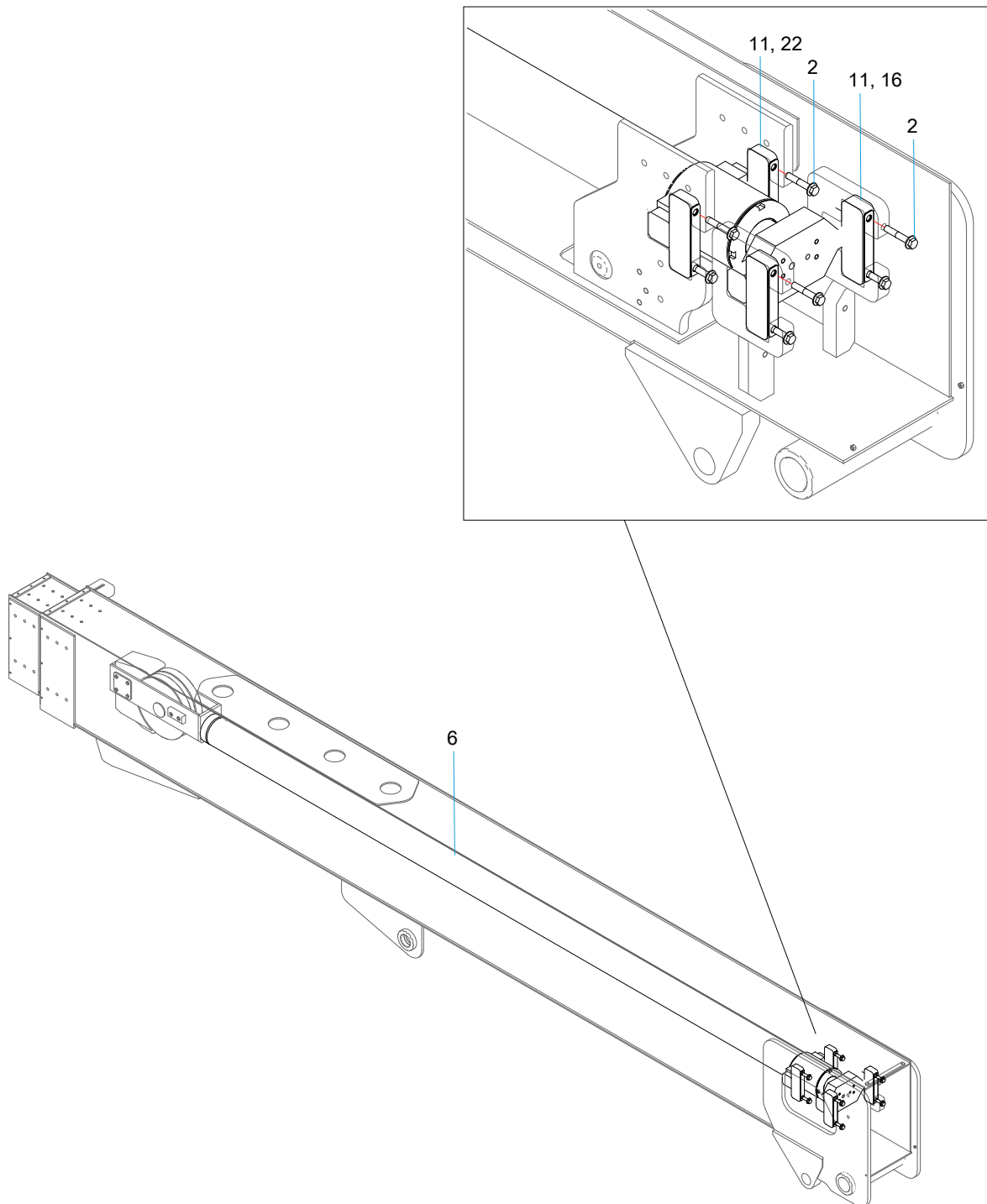
4.2 JIB BOOM ASSEMBLY (PN.105084013156)

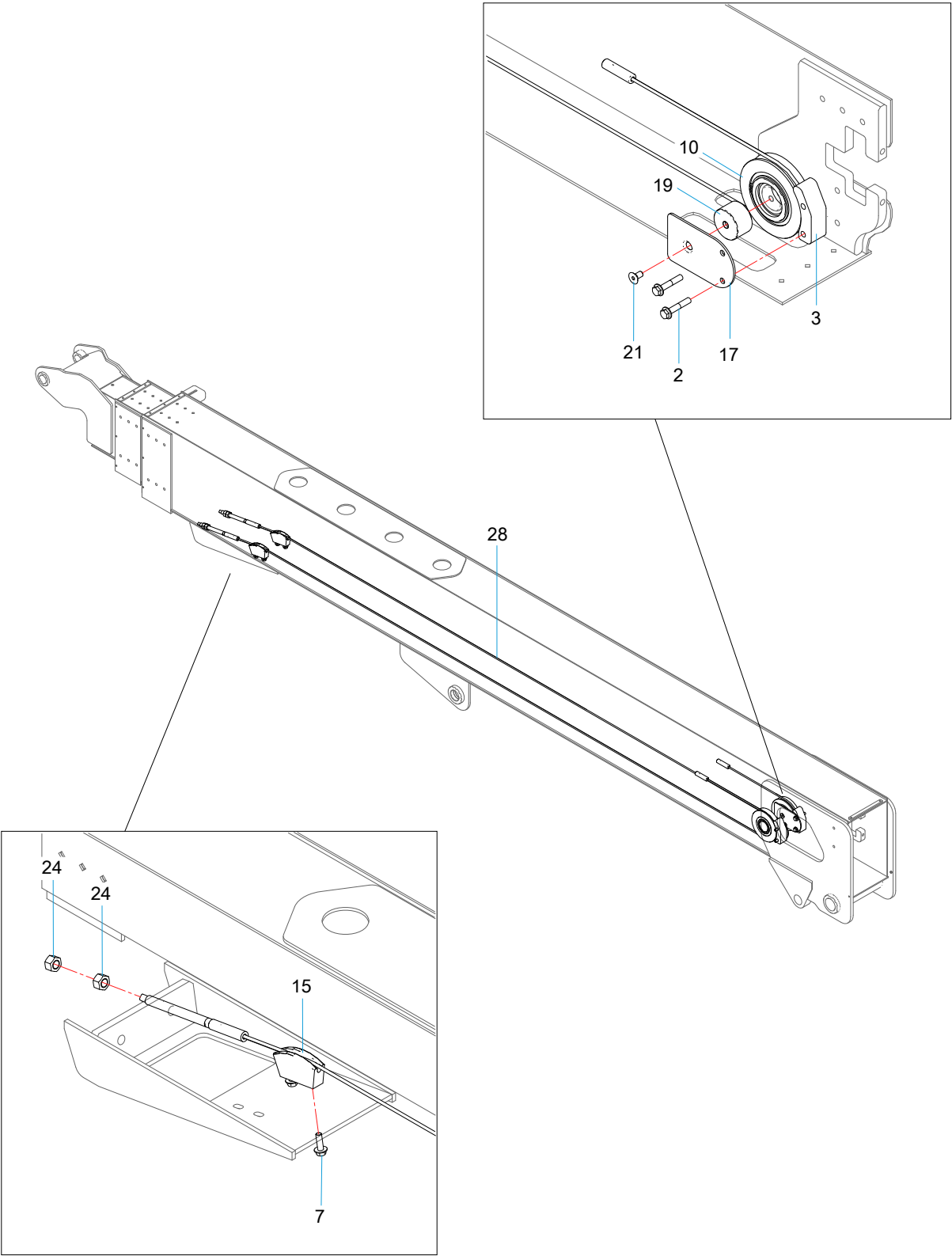


No.	Part No.	Qty.	Description
1	105084013090	1	Pivot
2	105054010001	1	Boom, extending [Z]
3	105070013043	2	Level arm
4		1	Swing Motor Options
4-1	202020003020	1	Swing cylinder
4-1a	207990003409	1	Seal kit, cylinde
5	105068053120	1	Cylinder , jib (A)
5a	207990004194	1	Seal kit, cylinder
6	105026013277	2	Shaft XGΦ40-355
7	105026013276	2	Shaft XGΦ40-240
8	105026013279	1	Weldment shaftΦ40-240
9	214030000053	6	Self-lubricating bearing
10	215010000012	6	Bolt M10×80-8.8-ZnD GB/T 5782
11	215030000027	6	Nut M10-8-ZnD GB/T 6184
12	102004030245	2	Rubber grommet
13	215010000237	1	Bolt M10×20-8.8-ZnD GB/T 5789
14	215040000103	2	Washer 8-100HV-ZnD GB/T 5287
15	112001013051	4	Folded Plate
16	112001013052	2	Block, nylon
17	215020000023	2	Screw M8×20-8.8-ZnD GB/T 70.1
18	105071013732	1	Hose cover
19	215010000281	4	Bolt M6×12-8.8-ZnD GB/T 5789
20	105050013079	2	Clamp
21	215020000014	4	Screw M6×30-A2-70 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	101014043005	4	Rubber choke plug

4.3 TELESCOPIC MECHANISM

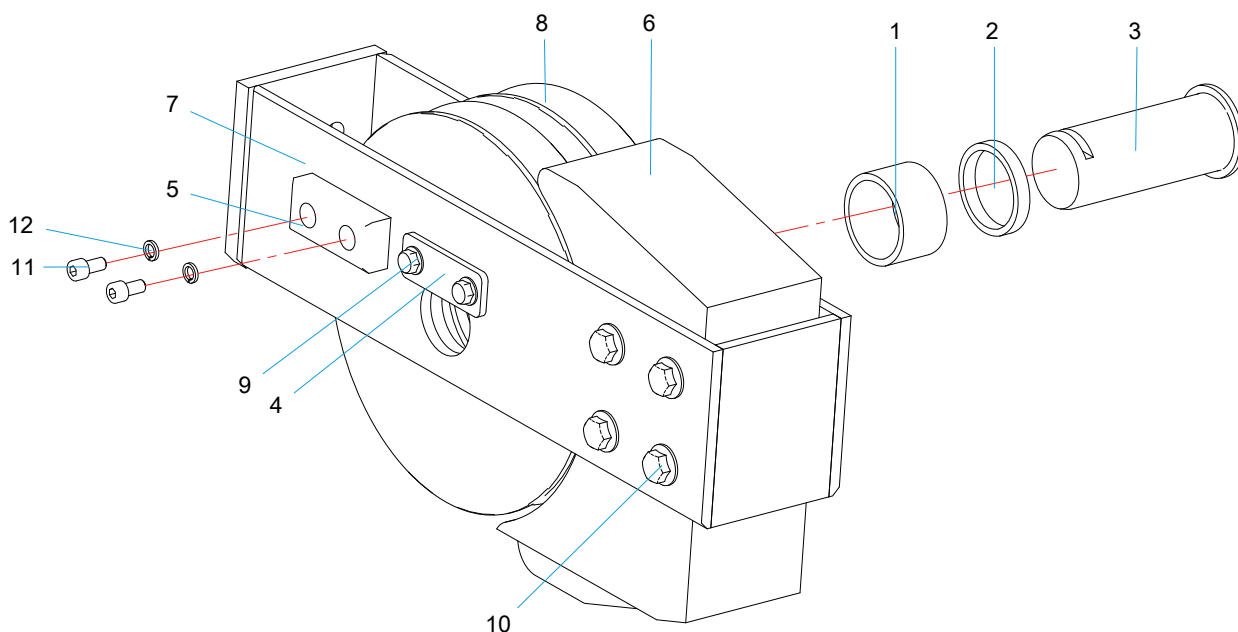






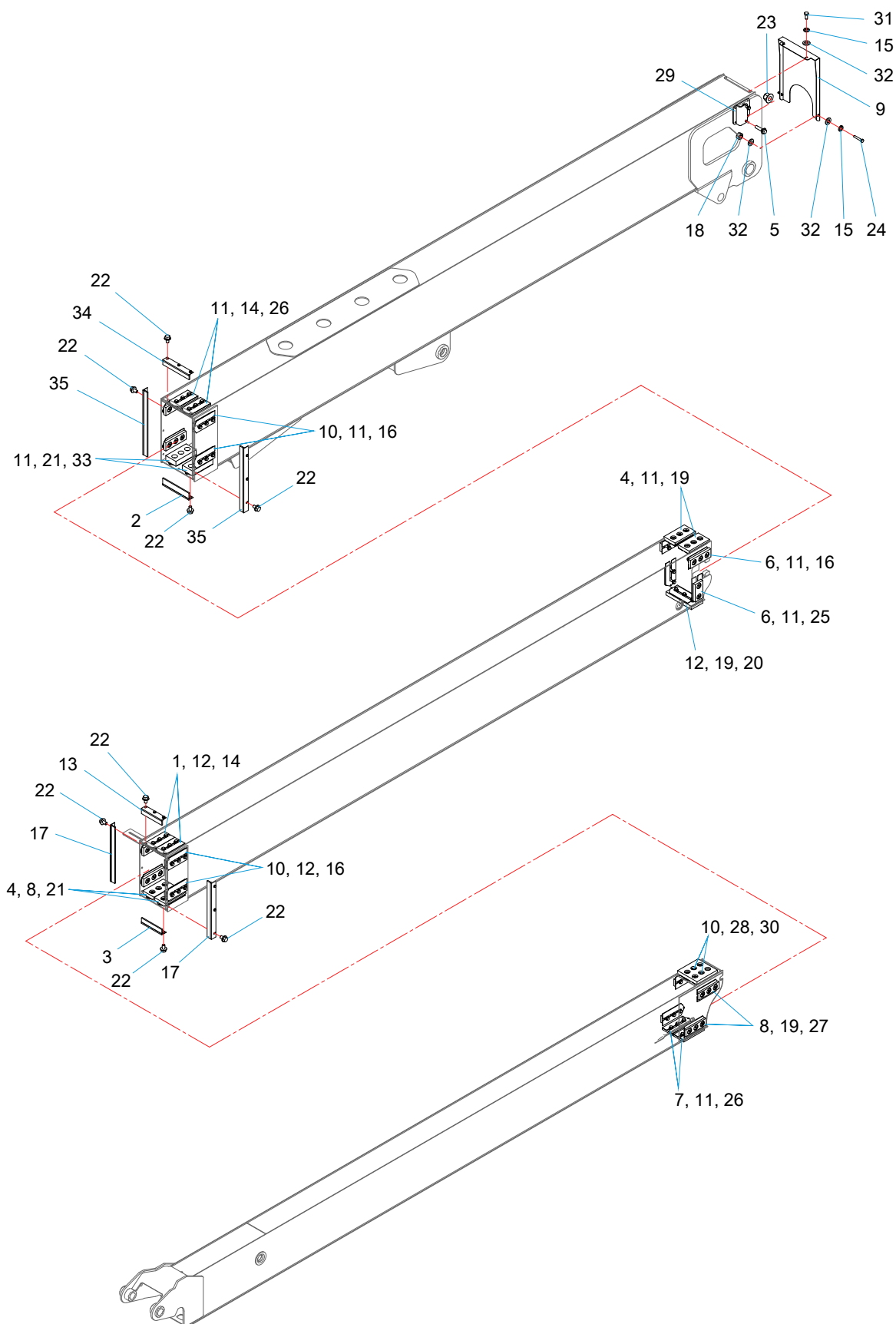
No.	Part No.	Qty.	Description
1	215010000234	4	Bolt M8×20-8.8-ZnD GB/T 5789
2	215010000258	12	Bolt M10×55-8.8-ZnD GB/T 5789
3	105021010091	2	Stop block
4	105084013140	2	Plate
5	215030000113	4	Nut M18-8-ZnD GB/T 6170
6	104028053002	1	Cylinder , telescope (A)
7	215010000239	4	Bolt M10×30-8.8-ZnD GB/T 5789
8	105021010192	2	Plate
9	105021010088	1	Head Sheave Assembly(See Sec. 4.4 for details)
10	105021010077	2	Roller assembly
11	105001010038	8	Shim
12	215010000281	2	Bolt M6×12-8.8-ZnD GB/T 5789
13	215010000291	2	Bolt M10×60-8.8-ZnD GB/T 5789
14	215010000260	4	Bolt M14×35-8.8-ZnD GB/T 5789
15	105021010094	2	Guide block
16	105001010029	2	Press block, cylinder
17	105021010090	2	Plate
18	105084013112	2	Extend cable
19	105001010065	2	Shaft sleeve
20	105001010253	2	Plate, detection
21	215020000274	2	Screw M10×20-8.8-ZnD GB/T 70.3
22	105001010039	2	Press block, cylinder
23	210070000003	2	Spring
24	215030000010	4	Nut M16-8-ZnD GB/T 6170
25	105021010193	1	Plate
26	105021010196	1	Plate, sensing (broken rope detection device)
27	105021010195	1	Shaft XJΦ25-165[Z]
28	105084013113	2	Retract cable

4.4 HEAD SHEAVE ASSEMBLY (PN.105021010088)



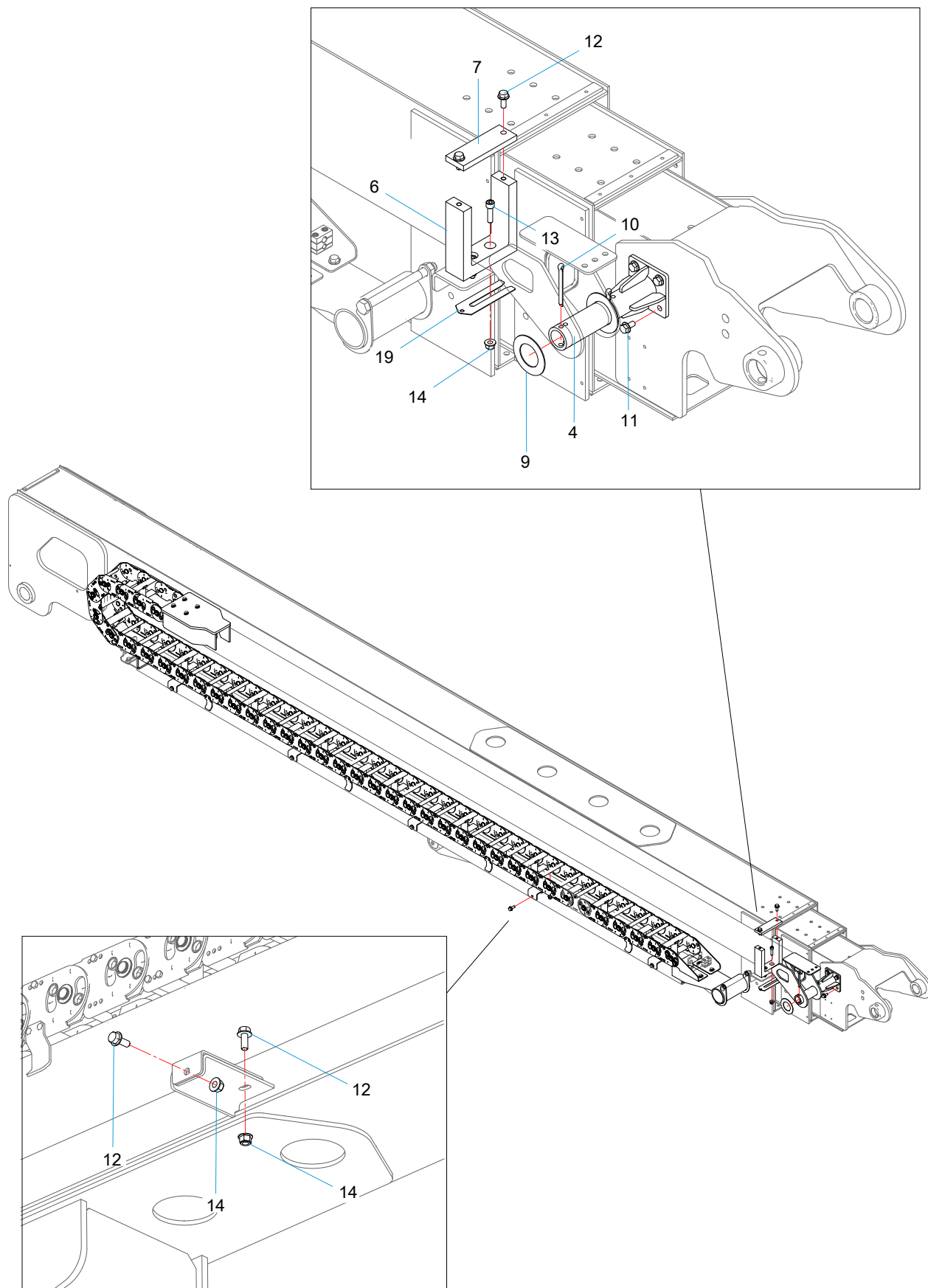
No.	Part No.	Qty.	Description
1	105001010043	1	Spacer bush
2	105001010072	2	Spacer bush
3	105021010066	1	Shaft XJΦ50-128
4	105021010067	1	Plate
5	105021010072	2	Pad, wear
6	105021010073	1	Pad, wear
7	105021010080	1	Bracket, pulley (head)
8	105021010083	2	Roller assembly
9	215010000233	2	Bolt M8×12-8.8-ZnD GB/T 5789
10	215010000254	4	Bolt M12×120-8.8-ZnD GB/T 5789
11	215020000022	4	Screw M8×16-8.8-ZnD GB/T 70.1
12	215040000005	4	Washer 8-ZnD GB/T 93

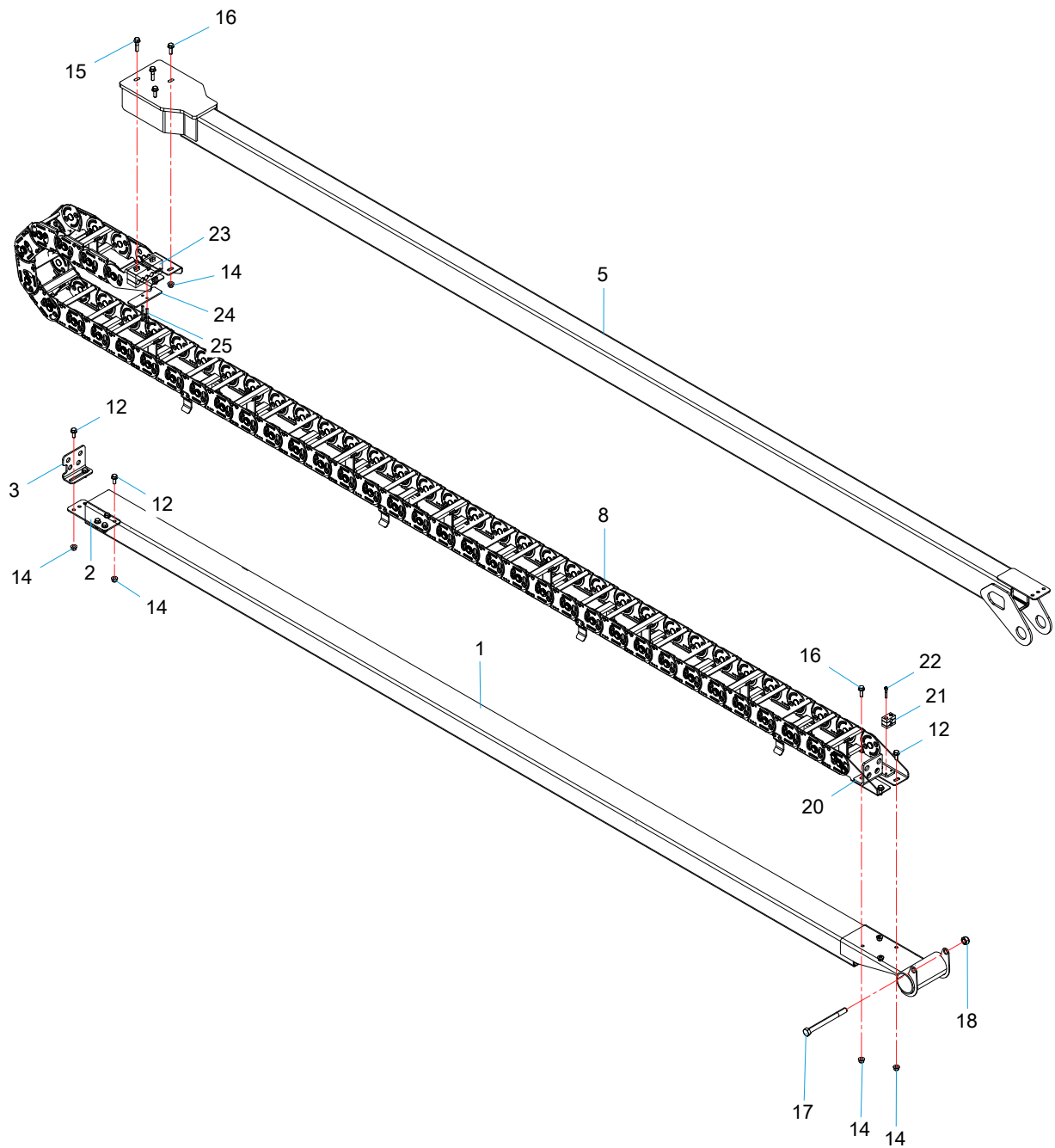
4.5 BOOM INSTALLATION



No.	Part No.	Qty.	Description
1	105021010096	2	Wear Pad Assembly
2	105074013100	1	Brush, nylon
3	105074013090	1	Brush, nylon
4	105084013117	4	Wear Pad Assembly
5	215010000240	2	Bolt M10×40-8.8-ZnD GB/T 5789
6	215010000248	10	Bolt M10×35-8.8 ZnD GB/T 5789
7	215010000249	6	Bolt M10×12-8.8-ZnD GB/T 5789
8	105031013000	6	Shim
9	105084013074	1	Housing, rear
10	215010000238	30	Bolt M10×25-8.8-ZnD GB/T 5789
11	105031013002	16	shim
12	105051013105	7	Shim
13	105074013084	1	Brush, nylon
14	215010000245	12	Bolt M10×16-8.8-ZnD GB/T 5789
15	215040000003	4	Washer 5-A2-70 GB/T 93
16	105067013069	10	Slider block assembly
17	105074013097	2	Brush, nylon
18	215030000003	2	Nut M5-A2-70 GB/T 6170
19	215010000237	21	Bolt M10×20-8.8-ZnD GB/T 5789
20	105084013086	1	Wear Pad Assembly
21	215010000239	12	Bolt M10×30-8.8-ZnD GB/T 5789
22	215010000229	24	Bolt M6×10-8.8-ZnD GB/T 5789
23	215030000109	2	Nut M10-8-ZnD GB/T 6183.1
24	215010000045	2	Bolt M5×30-A2-70 GB/T 5783
25	105019010106	2	Wear Pad Assembly
26	105048010031	4	Wear Pad Assembly
27	103006013021	4	Wear Pad Assembly
28	105084013114	1	Wear Pad Assembly
29	105074013081	1	Bracket
30	105071013269	2	Shim
31	215010000041	2	Bolt M5×12-A2-70 GB/T 5783
32	215040000032	6	Washer 5-A2 GB/T 97.1
33	105021010115	2	Wear Pad Assembly
34	105074013080	1	Brush, nylon
35	105074013087	2	Brush, nylon

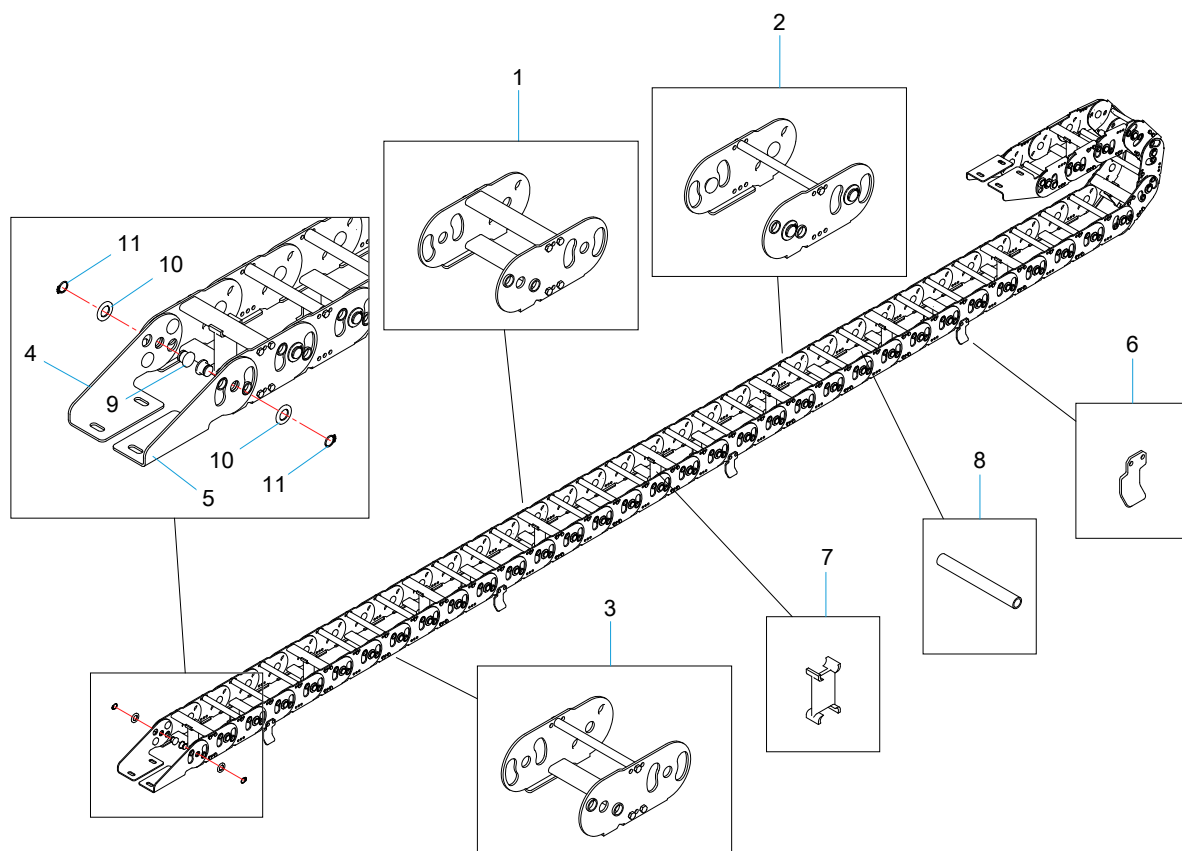
4.6 CABLE TRACK INSTALLATION





No.	Part No.	Qty.	Description
1	105084013087	1	Guide tube, lower
2	105071013622	1	Plate
3	105084013138	1	Plate, folded
4	114015013112	1	Bracket
5	105084013102	1	Guide tube, upper
6	105050013051	1	Slider block
7	105071013613	1	Cover Plate
8		1	OPT, drag chain (steel)
8-1	204190003333	1	Steel cable track(See Sec. 4.7 for details)
9	105071013639	2	Retaining ring
10	215060000015	2	Pin 6.3×63-ZnD GB/T 91
11	215010000286	4	Bolt M8×16-8.8-ZnD GB/T 5789
12	215010000234	20	Bolt M8×20-8.8-ZnD GB/T 5789
13	215020000025	2	Screw M8×30-8.8-ZnD GB/T 70.1
14	215030000108	26	Nut M8-8-ZnD GB/T 6183.1
15	215010000296	2	Bolt M8×35-8.8 ZnD GB/T 5789
16	215010000235	4	Bolt M8×25-8.8-ZnD GB/T 5789
17	215010000223	1	Bolt M14×155-8.8-ZnD GB/T 5782
18	215030000080	1	Nut M14-8-ZnD GB/T 6184
19	107017013722	1	Spacer
20	105064013104	1	Folded plate
21	105064013103	1	Clamp
22	215020000009	2	Screw M5×30-A2-70 GB/T 70.1
23	105064013101	1	Clamp assembly
24	105064013087	1	Plate
25	215010000255	2	Bolt M5×45-8.8-ZnD GB/T 5789

4.7 STEEL CABLE TRACK (PN.204190003333)

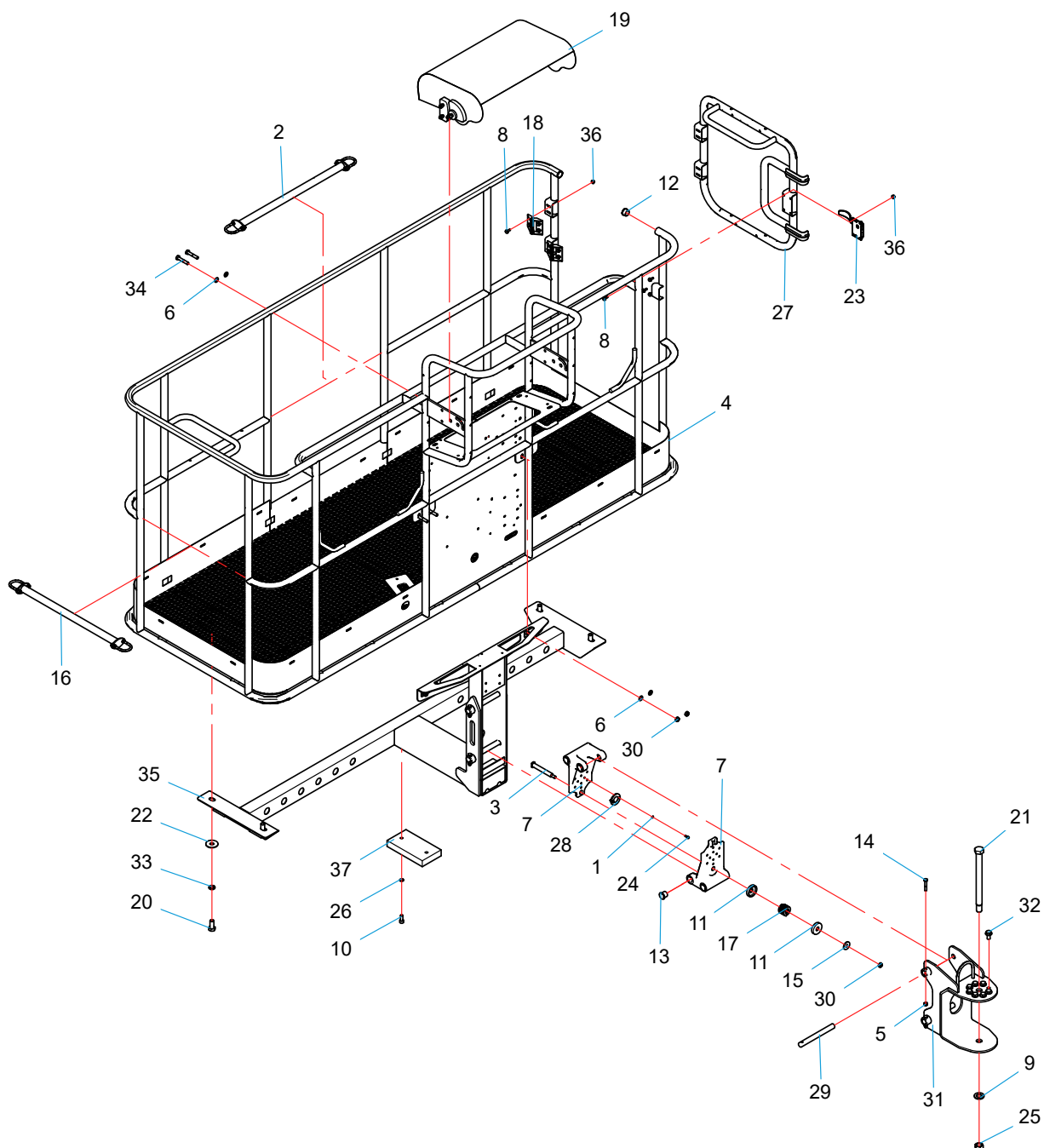


No.	Part No.	Qty.	Description
1	204190003246	10	Chain link 1
2	204190003254	19	Chain link 2
3	204190003360	9	Chain link 3
4	204190003257	2	Joint 1
5	204190003255	2	Joint 2
6	204190003256	8	Baffle plate
7	204190003258	10	Spacer
8	204190003359	28	Pipe
9	204190003251	6	Pin
10	204190003249	6	Steel drag chain
11	204190003247	6	Retaining ring

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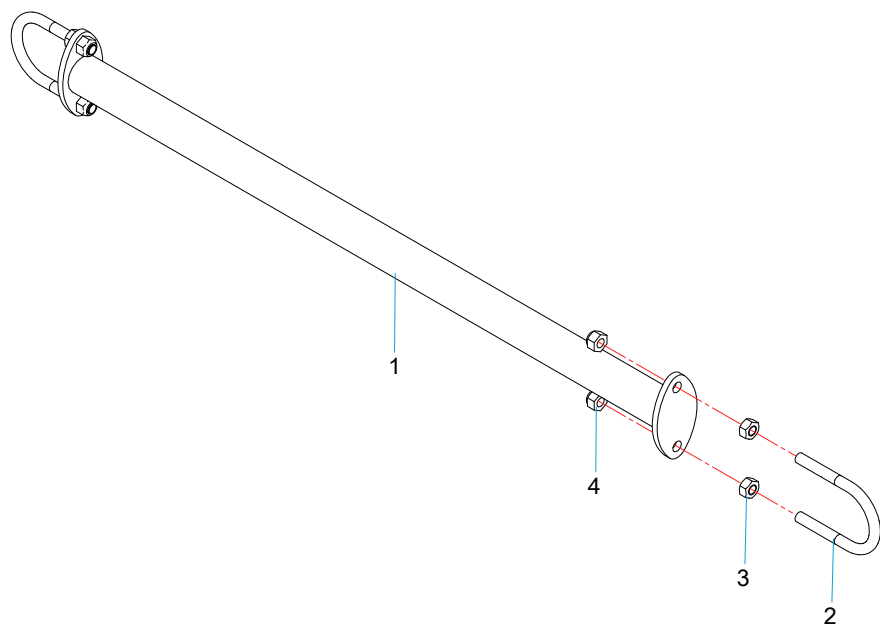
5 PLATFORM INSTALLATION OPTIONS

5.1 PLATFORM (PN.104032040003)



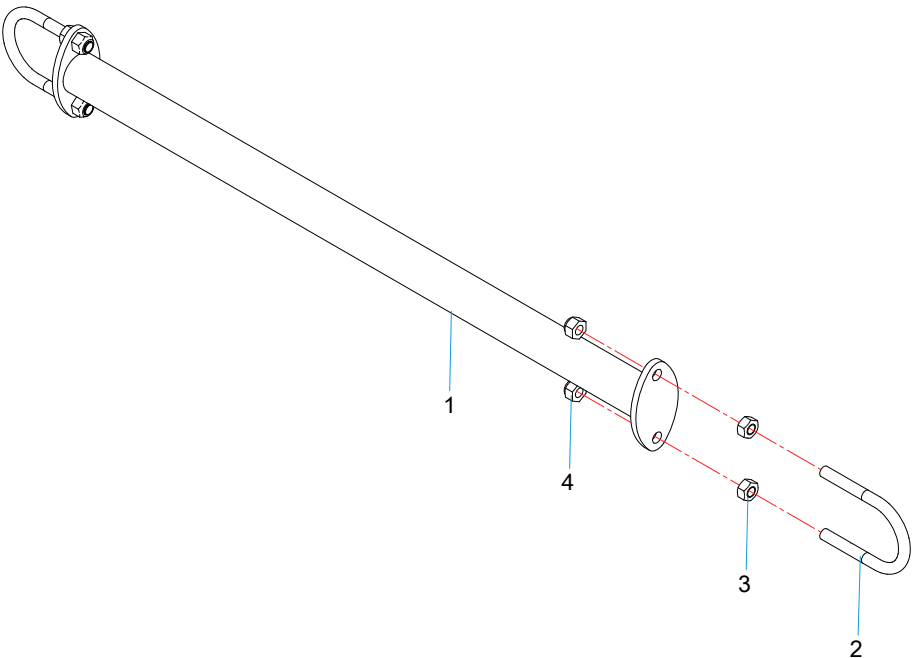
No.	Part No.	Qty.	Description
1	215040000003	2	Washer 5-A2-70 GB/T 93
2	105064043183	1	Door Pole(See Sec. 5.2 for details)
3	105029013067	1	Special screw
4	105064043073	1	Platform
5	2150300000026	4	Nut M8-8-ZnD GB/T889.1
6	2150400000035	8	Washer 10-200HV-ZnD GB/T 97.1
7	114023040001	2	Frame, weighing
8	215010000230	12	Bolt M6×16-8.8-ZnD GB/T 5789
9	215040000108	1	Washer 22-DKL GB/T 1230
10	2150200000049	2	Screw M10×25-8.8-ZnD GB/T 70.1
11	105029013045	2	Retaining ring
12	105064043177	2	Tube cap
13	214080000001	8	Bearing 20×23×21.5 SF-1F
14	215010000163	4	Bolt M8×50-8.8-ZnD GB/T 5782
15	215040000125	1	Washer 10-100HV-ZnD GB/T 5287
16	105064043168	1	Door lever assembly(See Sec. 5.3 for details)
17	210110000001	1	Compression spring
18	209050003009	2	Hinge
19		1	Protective Cover Installation Optional
19-1		1	Protective Cover Installation Optional (Comprehensive Protection)(See Sec. 5.4 for details)
19-2		1	Protective Cover Installation Optional (Partial Protection)(See Sec. 5.5 for details)
20	215010000109	4	Bolt M16×35-8.8-ZnD GB/T 5783
21	105050043086	1	Shaft XJΦ24-298
22	2150400000020	4	Washer 16-200HV-ZnD GB/T 96.1
23	209050003006	1	Lock
24	2150200000006	2	Screw M5×12-A2-70 GB/T 70.1
25	2150300000069	1	Nut M22-8-ZnD GB/T 6170
26	2150400000006	2	Washer 10-ZnD GB/T 93
27	105064043085	1	Gate, side
28	103006060038	1	Plate
29	105001040034	4	Shaft
30	2150300000027	5	Nut M10-8-ZnD GB/T 6184
31	105050013287	1	Support
32	215010000262	8	Bolt M12×25-10.9 DKL GB/T 5789
33	2150400000008	4	Washer 16-ZnD GB/T 93
34	2150100000009	4	Bolt M10×55-8.8-ZnD GB/T 5782
35	105050043075	1	Frame, support
36	215030000107	12	Nut M6-A2-70 GB/T 6183.1
37	105001040006	1	Cushion block

5.2 DOOR POLE (PN.105064043183)



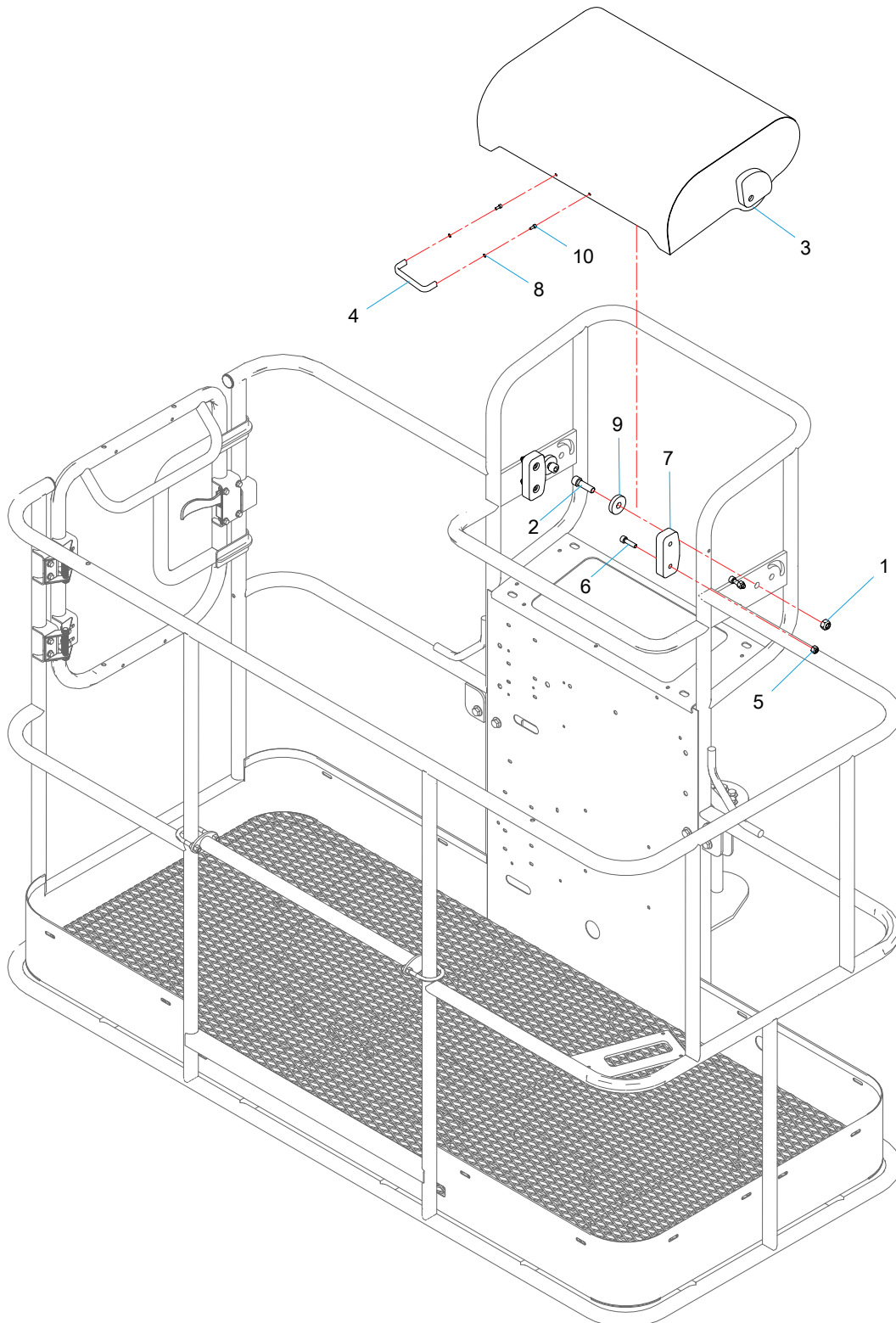
No.	Part No.	Qty.	Description
1	105064043182	1	Door lever weldment
2	105064043165	2	U-bolt
3	215030000005	4	Nut M8-8-ZnD-GB/T 6170
4	2150300000026	4	Nut M8-8-ZnD GB/T889.1

5.3 DOOR LEVER ASSEMBLY (PN.105064043168)



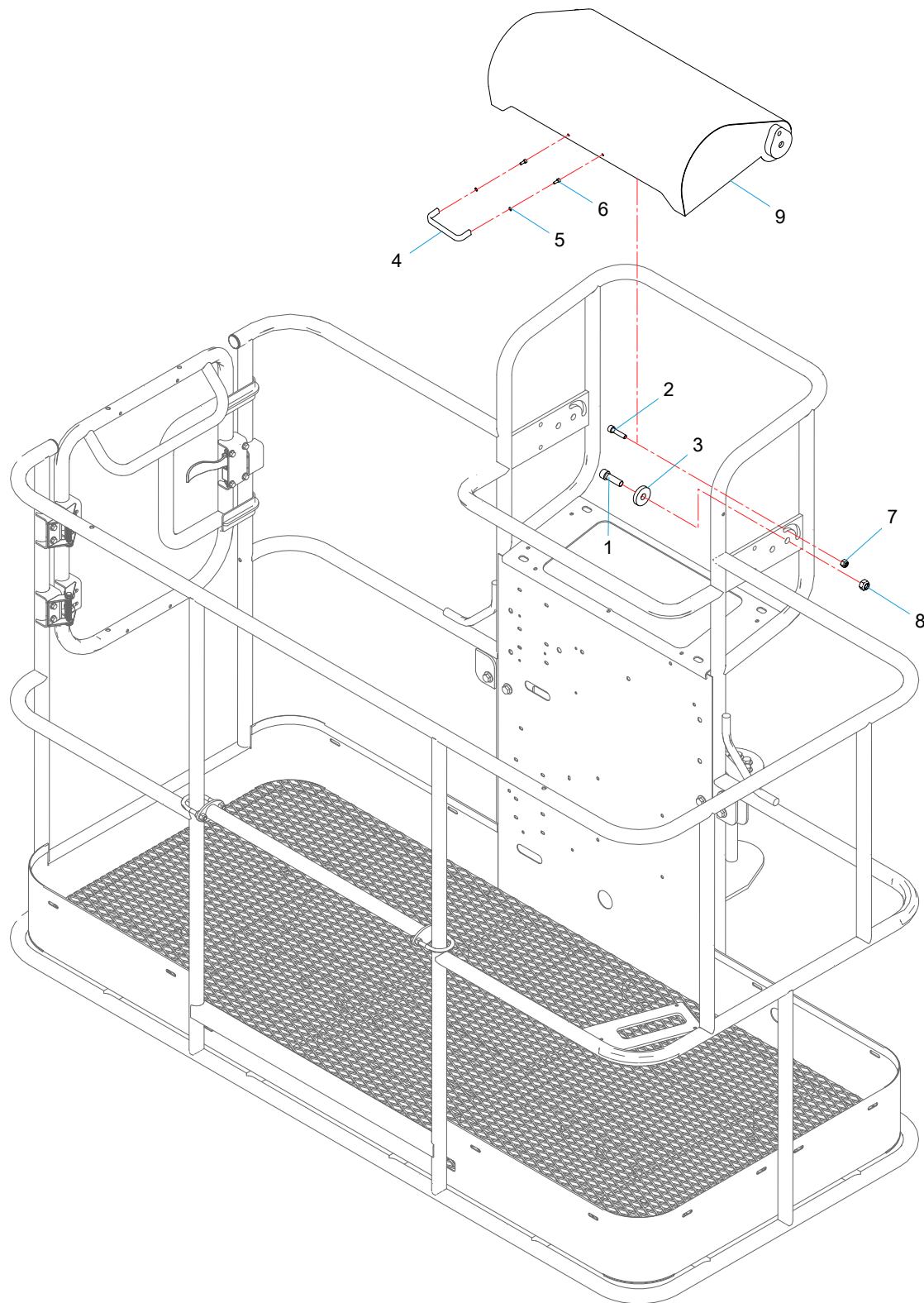
No.	Part No.	Qty.	Description
1	105064043167	1	Door lever weldment
2	105064043165	2	U-bolt
3	215030000005	4	Nut M8-8-ZnD-GB/T 6170
4	2150300000026	4	Nut M8-8-ZnD GB/T889.1

5.4 PROTECTIVE COVER INSTALLATION OPTIONAL



No.	Part No.	Qty.	Description
1	215030000029	2	Nut M12-8-ZnD GB/T 6184
2	215020000208	2	Screw M12×40-8.8-ZnD GB/T 70.1
3	105068043022	1	Dust cover
4	209030000001	1	Handle
5	215030000026	4	Nut M8-8-ZnD GB/T889.1
6	215020000025	4	Screw M8×30-8.8-ZnD GB/T 70.1
7	105068043027	2	Stop block
8	215040000002	2	Washer 4-A2-70 GB/T 93
9	105001040055	2	Plate
10	215020000001	2	Screw M4×10-A2-70 GB/T 70.1

5.5 PROTECTIVE COVER INSTALLATION OPTIONAL



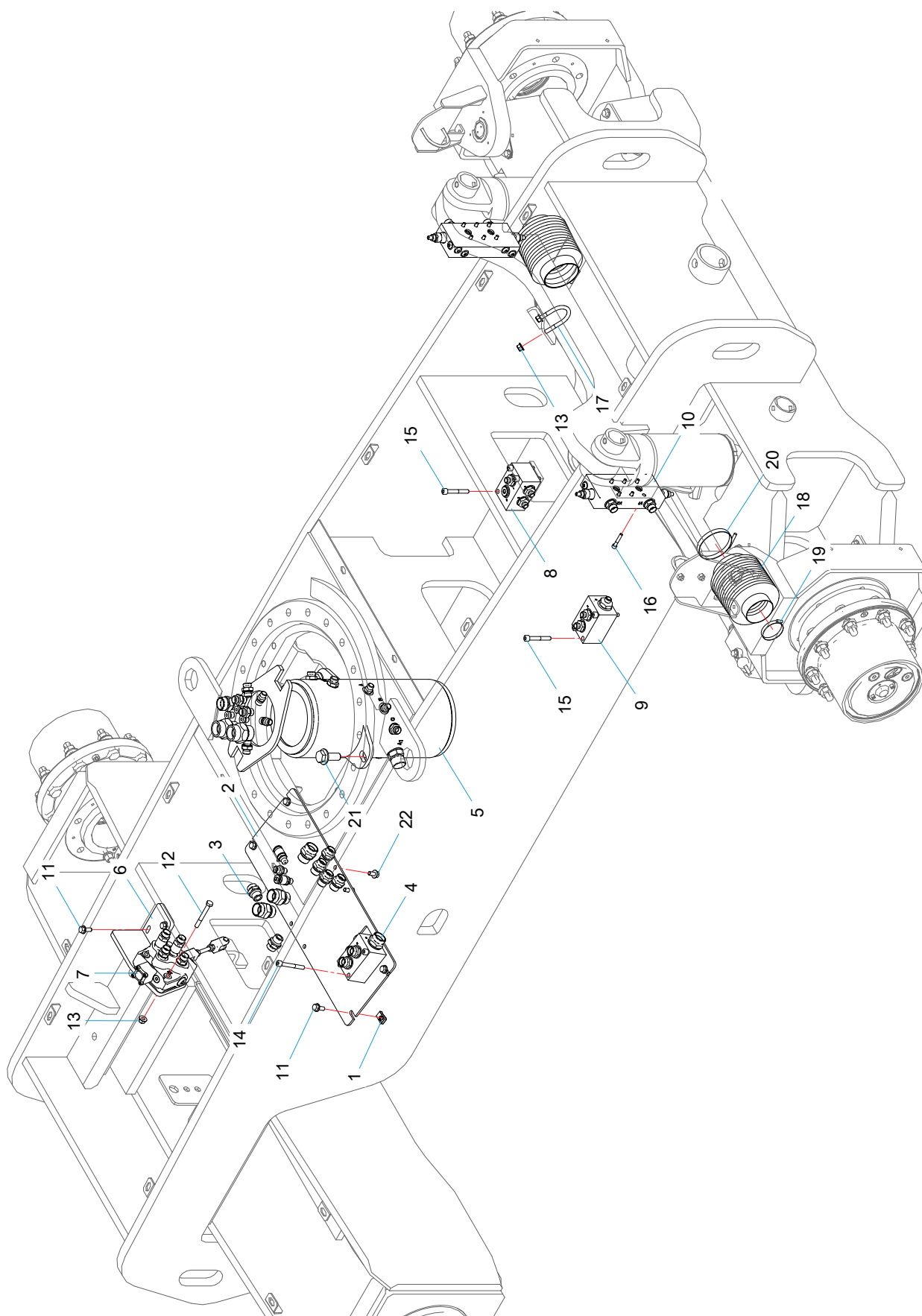
No.	Part No.	Qty.	Description
1	215020000208	2	Screw M12×40-8.8-ZnD GB/T 70.1
2	215020000026	2	Screw M8×35-8.8-ZnD GB/T 70.1
3	105001040055	2	Plate
4	209030000001	1	Handle
5	215040000002	2	Washer 4-A2-70 GB/T 93
6	215020000001	2	Screw M4×10-A2-70 GB/T 70.1
7	215030000026	2	Nut M8-8-ZnD GB/T889.1
8	215030000029	2	Nut M12-8-ZnD GB/T 6184
9	105001040029	1	Dust cover

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6 HYDRAULIC SYSTEM

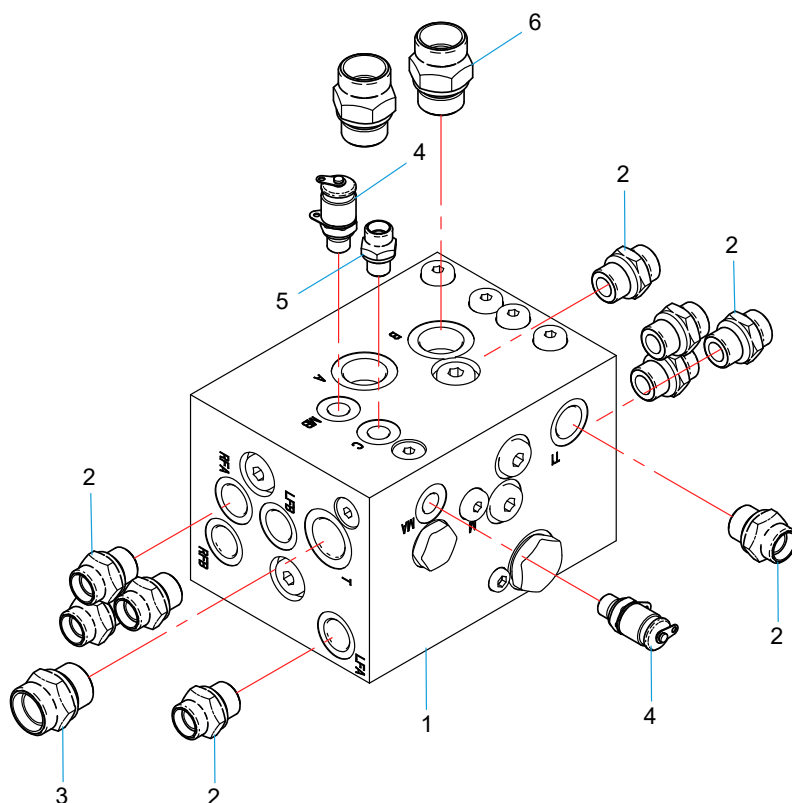
6.1 HYDRAULIC SYSTEM COMPONENTS OF CHASSIS

6.1.1 CHASSIS HYDRAULIC COMPONENTS INSTALLATION



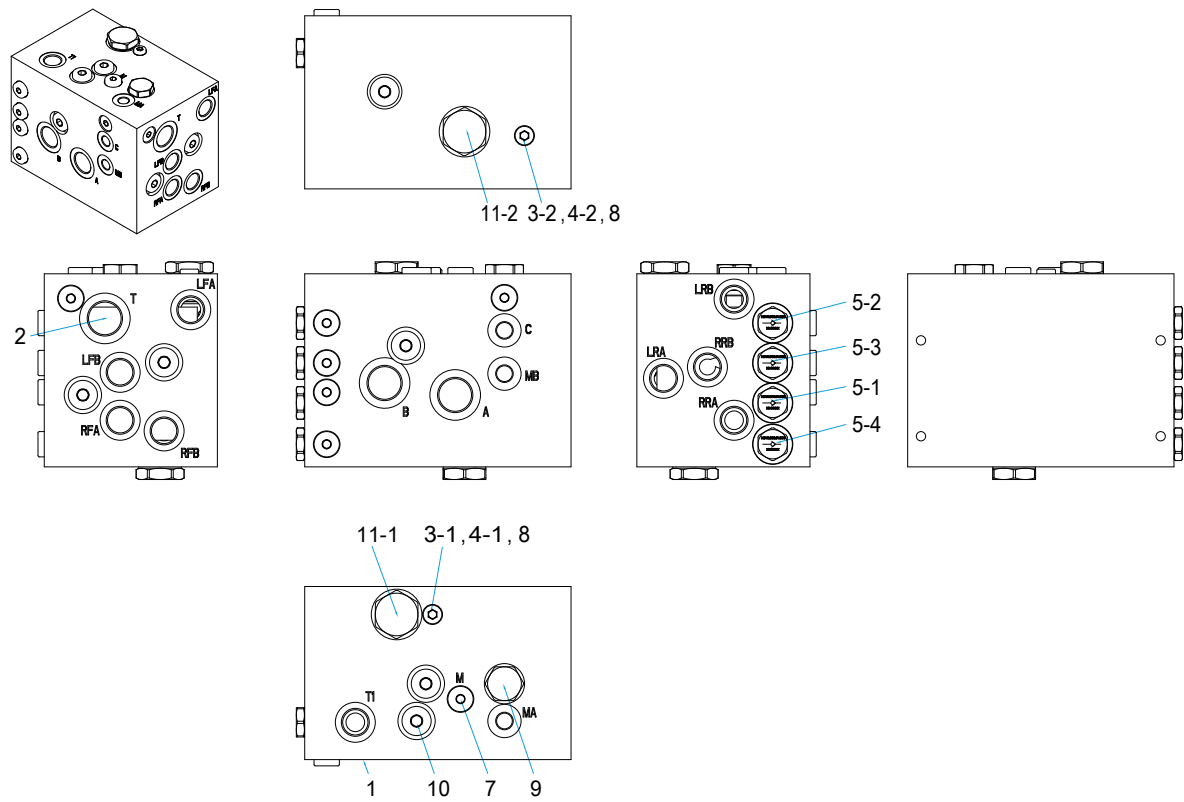
No.	Part No.	Qty.	Description
1	215030000106	4	B type spring nuts
2	105084033057	1	Plate
3		1	Drive Control Valve and Fittings Installation(See Sec. 6.1.2 for details)
4		1	N-port Multi-coupling and Fittings Installation(See Sec. 6.1.4 for details)
5		1	Rotary Coupler and Fittings Installation(See Sec. 6.1.5 for details)
6	103011033144	1	Bracket, mounting (multi-way valve, osci
7		1	Oscillate Multi-way Valve and Fittings Installation(See Sec. 6.1.6 for details)
8		1	Installation of Fitting for Block, Manifold (Two-speed)(See Sec. 6.1.9 for details)
9		1	N-port Brake Multi-coupling and Fittings Installation(See Sec. 6.1.10 for details)
10		2	Oscillate Counterbalance Valve and Fittings Installation(See Sec. 6.1.11 for details)
11	215010000234	7	Bolt M8×20-8.8-ZnD GB/T 5789
12	215010000005	2	Bolt M8×70-8.8-ZnD GB/T 5782
13	215030000108	9	Nut M8-8-ZnD GB/T 6183.1
14	215020000041	3	Screw M8×70-8.8-ZnD GB/T 70.1
15	215020000038	6	Screw M8×60-8.8-ZnD GB/T 70.1
16	215020000015	12	Screw M6×35-A2-70 GB/T 70.1
17	104016020023	2	U-clamp
18	105047050001	2	Bellow, steer cylinder
19	216020000003	2	Clamp
20	216020000009	2	Hose clamp
21	215010000276	2	Bolt M16×40-8.8-ZnD GB/T 5789
22	215010000286	4	Bolt M8×16-8.8-ZnD GB/T 5789

6.1.2 DRIVE CONTROL VALVE AND FITTINGS INSTALLATION



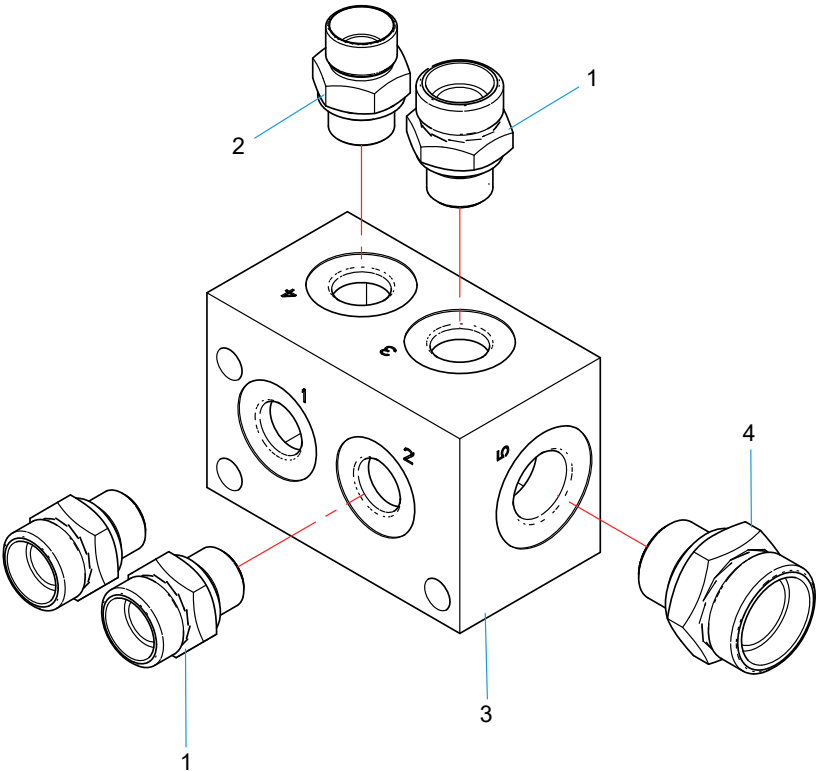
No.	Part No.	Qty.	Description
1	202040004063	1	Drive Control Valve(See Sec. 6.1.3 for details)
2	213010000039	9	Coupler
3	213010000045	1	Coupler
4	213010000010	2	Coupler
5	213010000012	1	Coupler
6	213010000018	2	Coupler

6.1.3 DRIVE CONTROL VALVE (PN.202040004063)



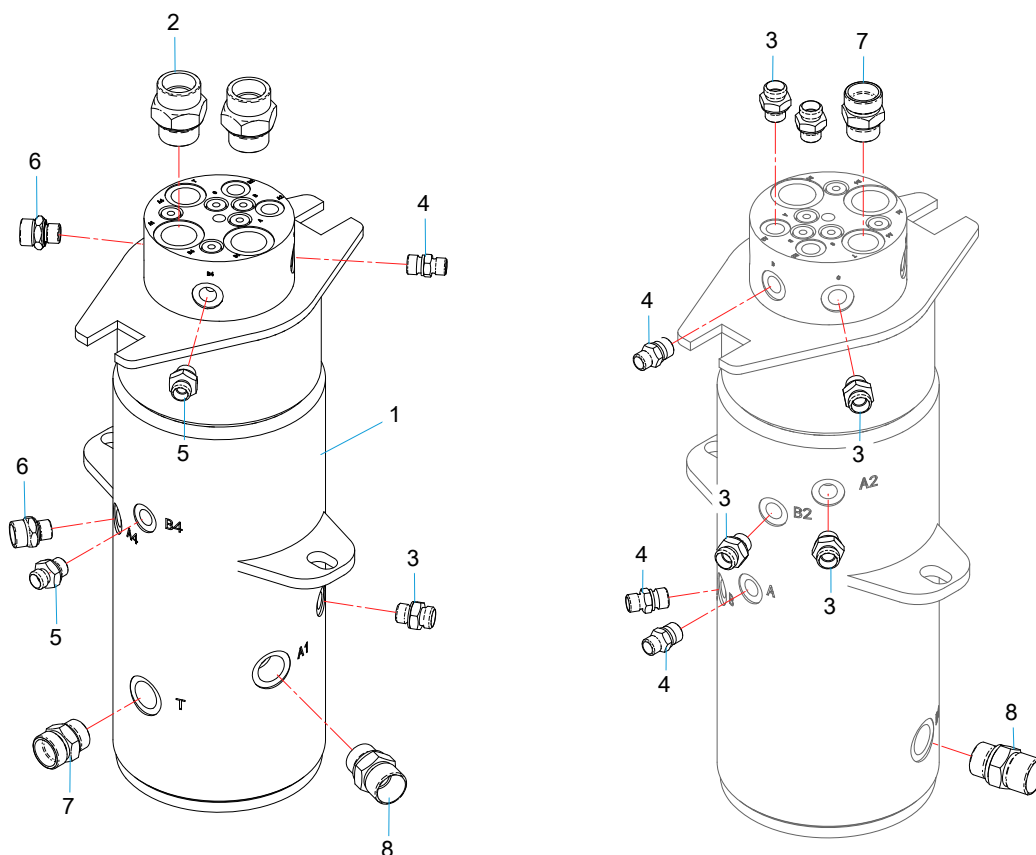
No.	Part No.	Qty.	Description
2	202130003003	1	Damper
3	202130003004	2	Damper
4	202130003015	2	Damper
5	202990003647	4	Valve,check
6	202990003548	1	Shuttle valve
9	202990003633	1	Shuttle valve
11	202990003631	2	Dividing-combining valve

6.1.4 N-PORT MULTI-COUPLING AND FITTINGS INSTALLATION



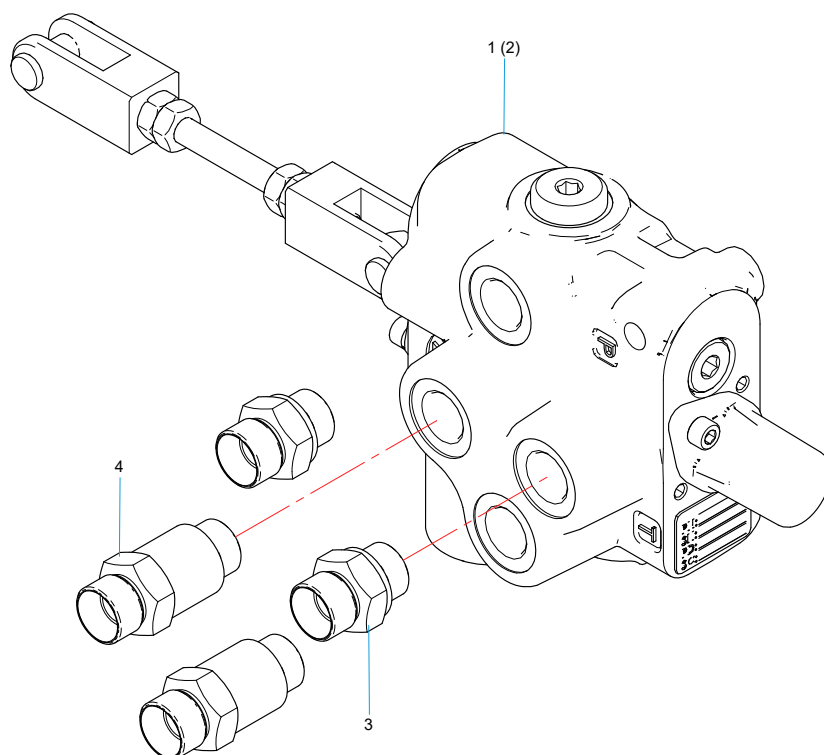
No.	Part No.	Qty.	Description
1	213010000003	3	Coupler
2	213010000005	1	Coupler
3	202040003903	1	Manifold, HYDR
4	213010000017	1	Coupler

6.1.5 ROTARY COUPLER AND FITTINGS INSTALLATION



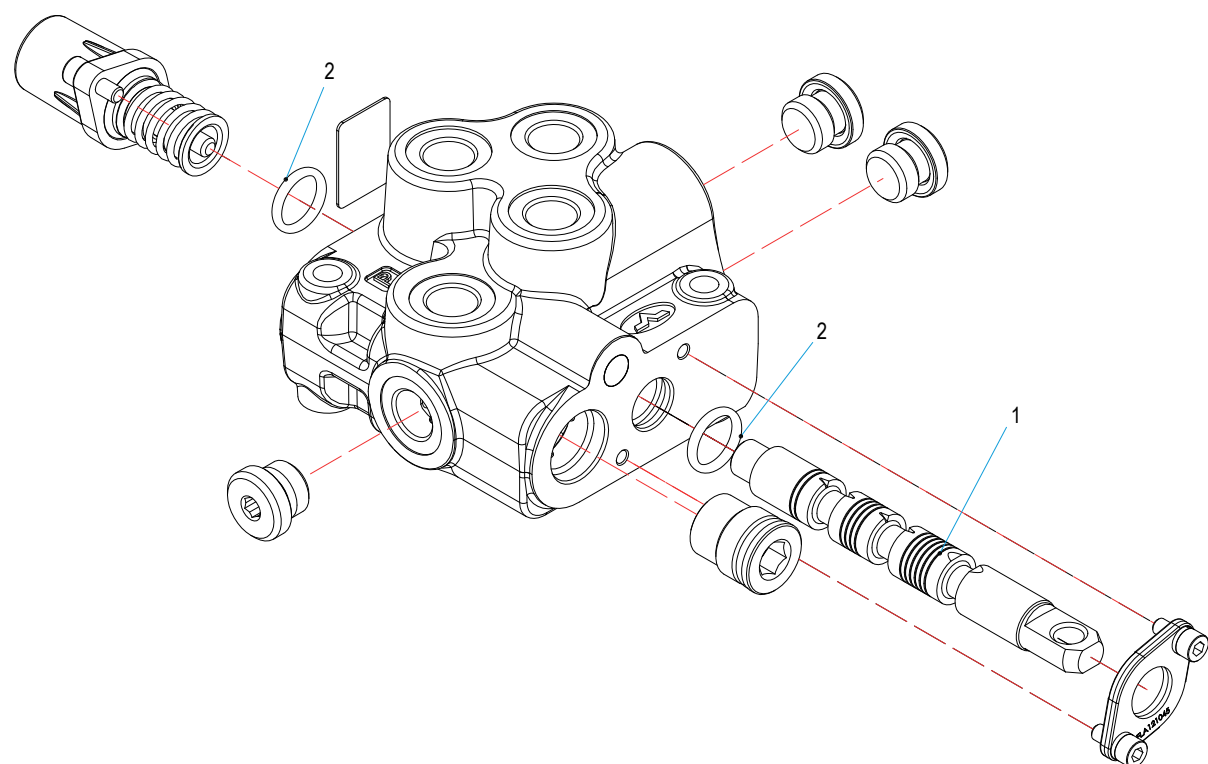
No.	Part No.	Qty.	Description
1	202100003026	1	Hydraulic rotary coupler
1a	207990003452	1	Seal kit, Hydraulic rotary coupler
2	213010000030	2	Coupler
3	213010000031	6	Coupler
4	213010000202	4	Coupler
5	213010000049	2	Coupler
6	213010000065	2	Coupler
7	213010000037	2	Coupler
8	213010000052	2	Coupler

6.1.6 OSCILLATE MULTI-WAY VALVE AND FITTINGS INSTALLATION



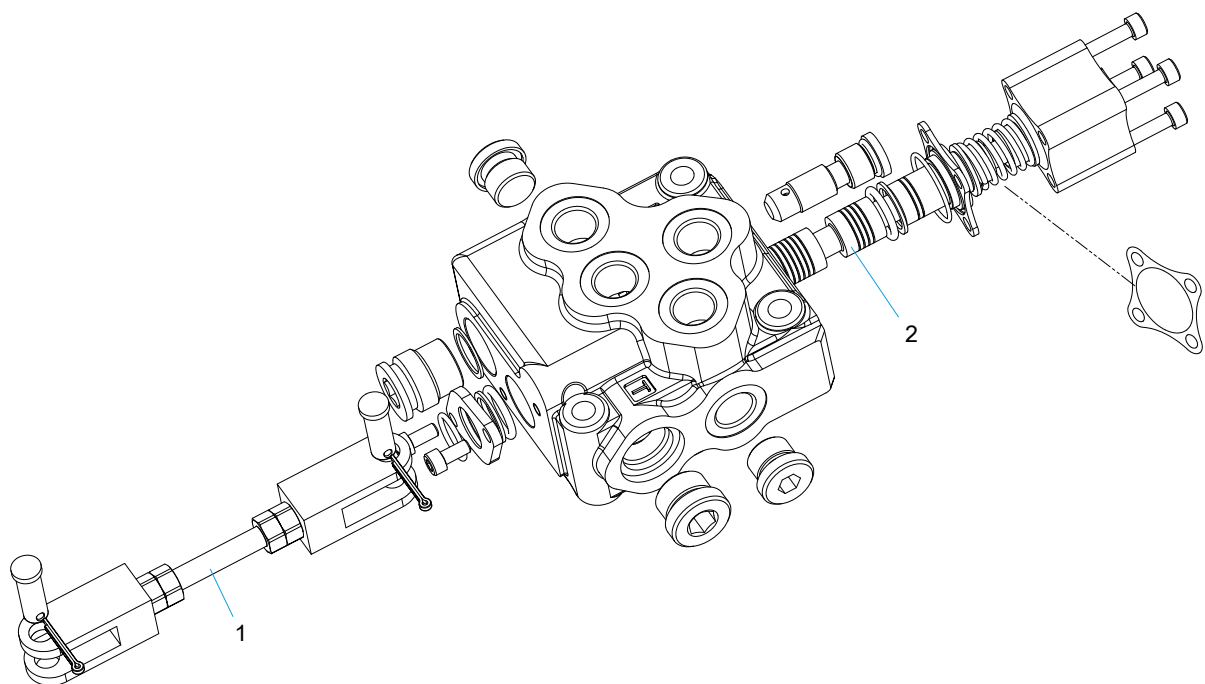
No.	Part No.	Qty.	Description
1	202040003026	1	Oscillate Multi-way Valve (Interchangeable with 2)(See Sec. 6.1.7 for details)
2	202040003485	1	Oscillate Multi-way Valve (Interchangeable with 1)(See Sec. 6.1.8 for details)
3	213010000005	2	Coupler
4	213010003251	2	Coupler

6.1.7 OSCILLATE MULTI-WAY VALVE (PN.202040003026)



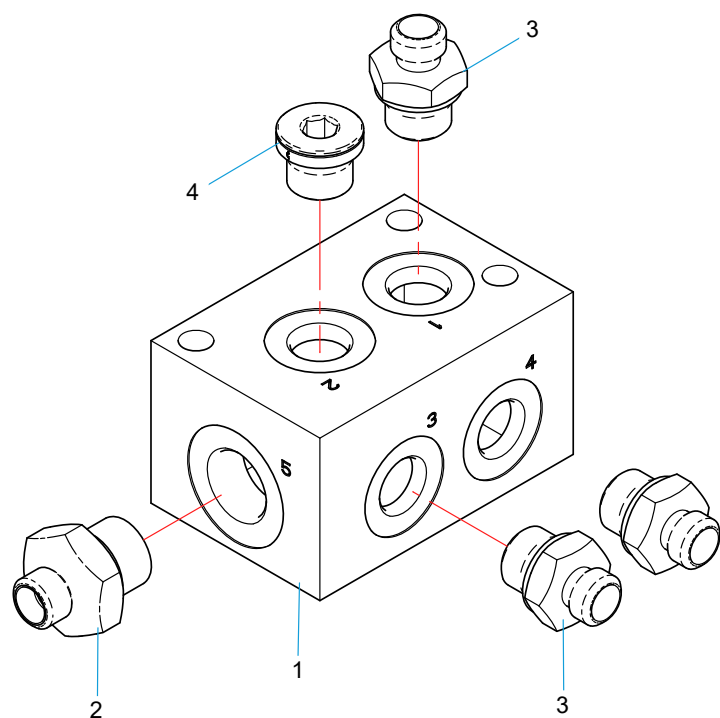
No.	Part No.	Qty.	Description
1	202990003065	1	Multi-way valve spool, oscillate
2	207060003007	2	O-ring

6.1.8 OSCILLATE MULTI-WAY VALVE (PN.202040003485)



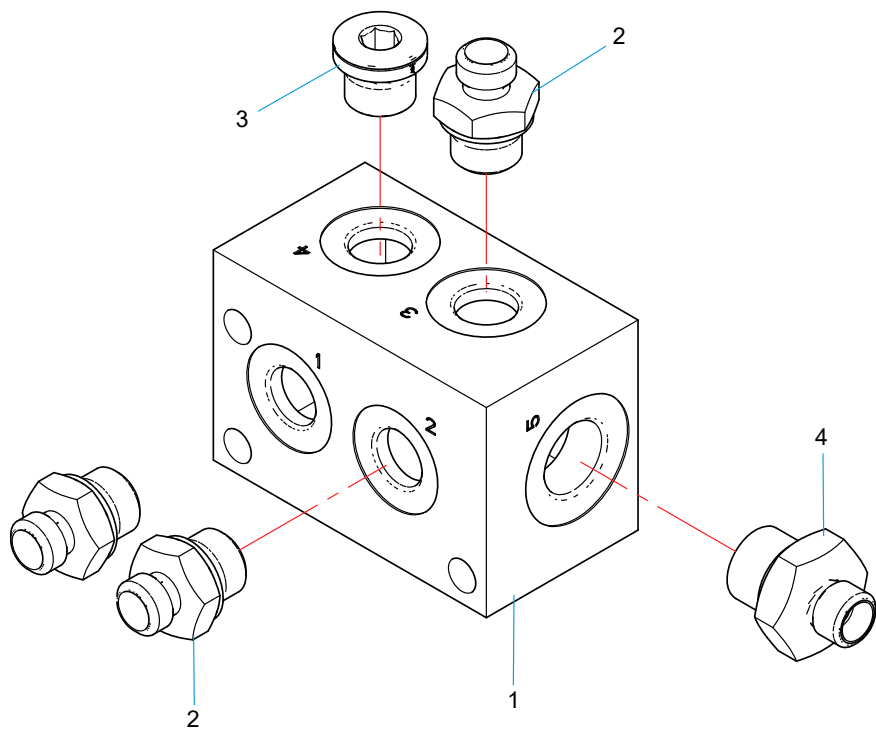
No.	Part No.	Qty.	Description
1	202990003905	1	Rod, tie
2	202990003904	1	Rod, vavle

6.1.9 INSTALLATION OF FITTING FOR BLOCK, MANIFOLD (TWO-SPEED)



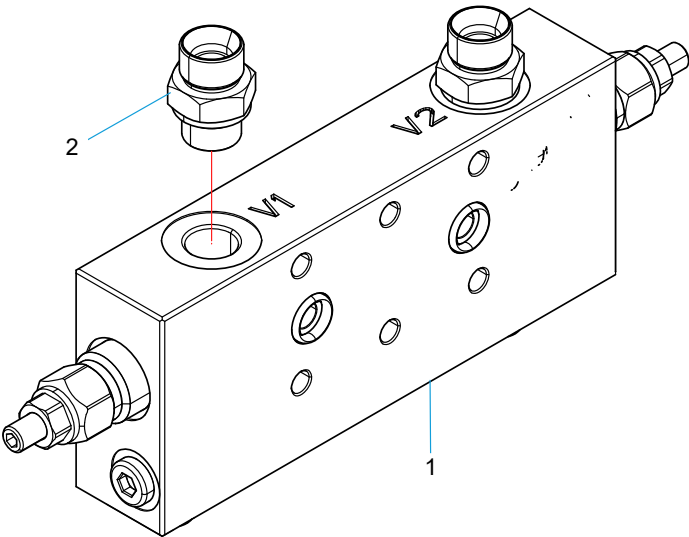
No.	Part No.	Qty.	Description
1	202040003903	1	Manifold, HYDR
2	213010000138	1	Coupler
3	213010000047	3	Fitting
4	213060000001	1	Plug

6.1.10 N-PART BRAKE MULTI-COUPLING AND FITTINGS INSTALLATION



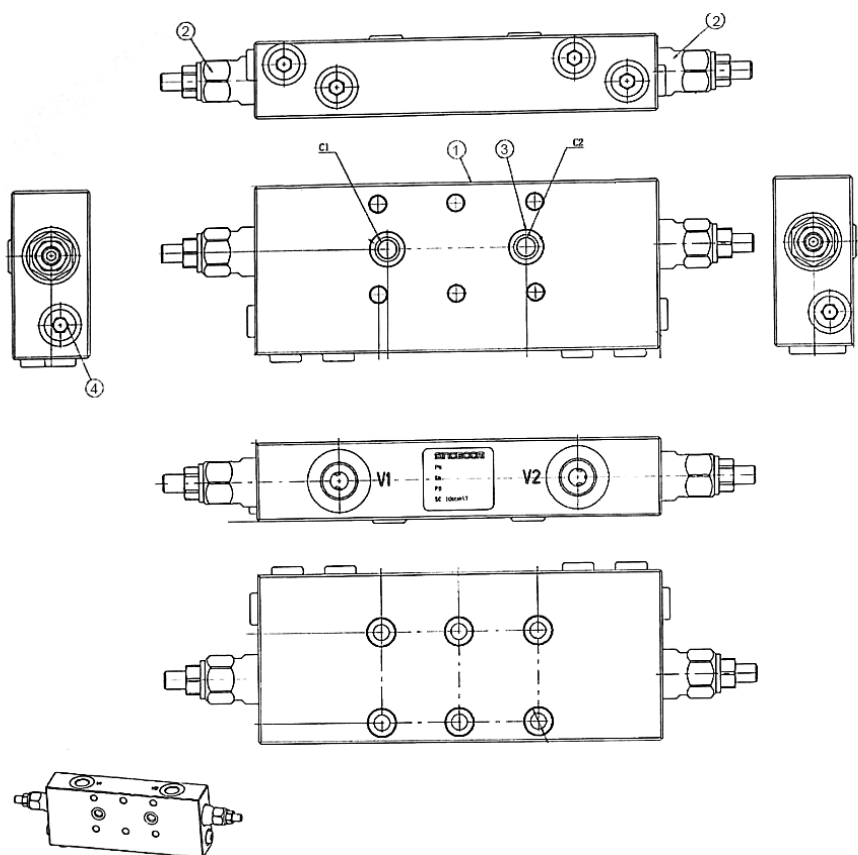
No.	Part No.	Qty.	Description
1	202040003903	1	Manifold, HYDR
2	213010000047	3	Fitting
3	213060000001	1	Plug
4	213010000138	1	Coupler

6.1.11 OSCILLATE COUNTERBALANCE VALVE AND FITTINGS
INSTALLATION



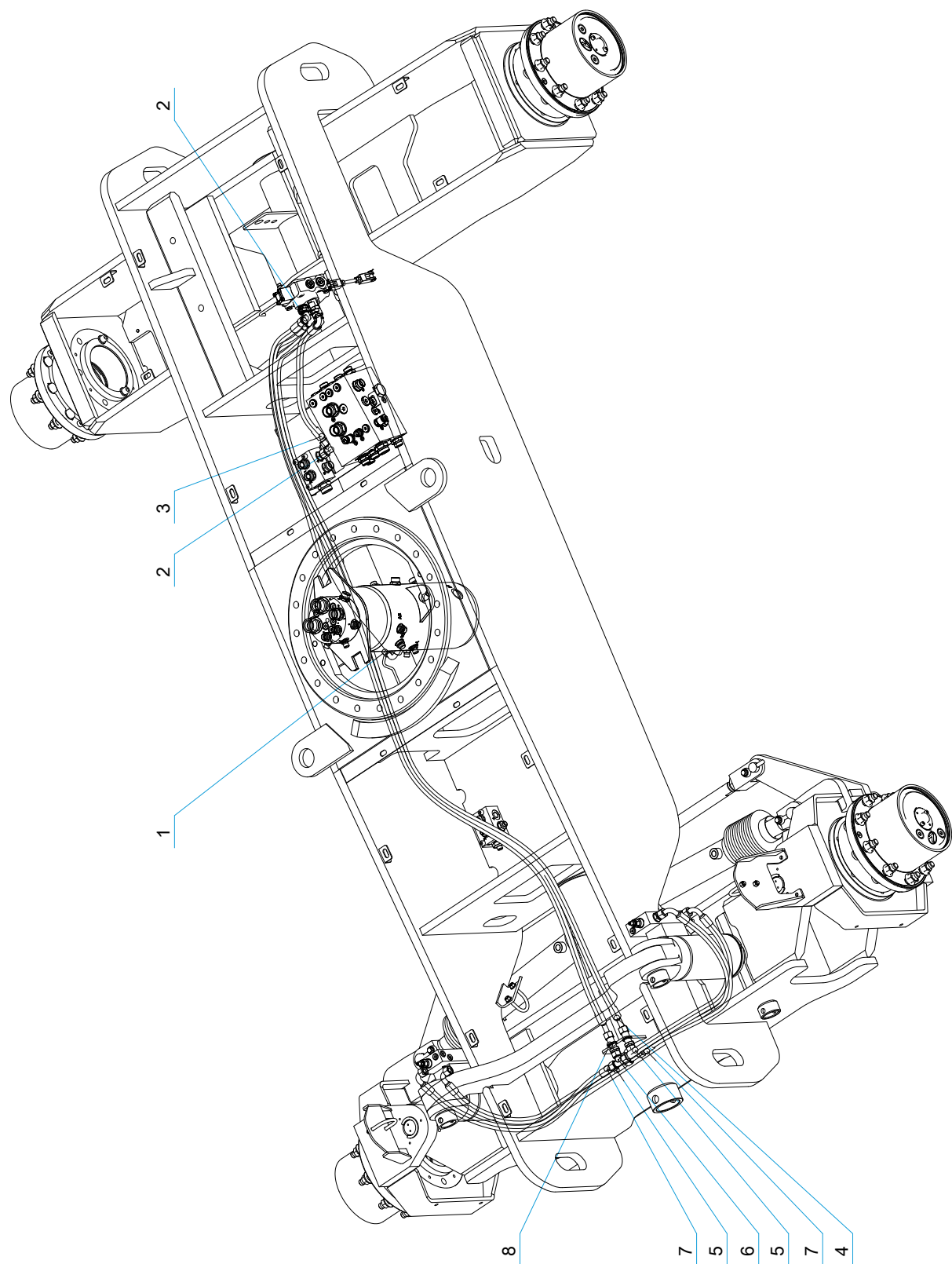
No.	Part No.	Qty.	Description
1	202040003870	1	Oscillate Counterbalance Valve(See Sec. 6.1.12 for details)
2	213010000005	2	Coupler

6.1.12 OSCILLATE COUNTERBALANCE VALVE (PN.202040003870)



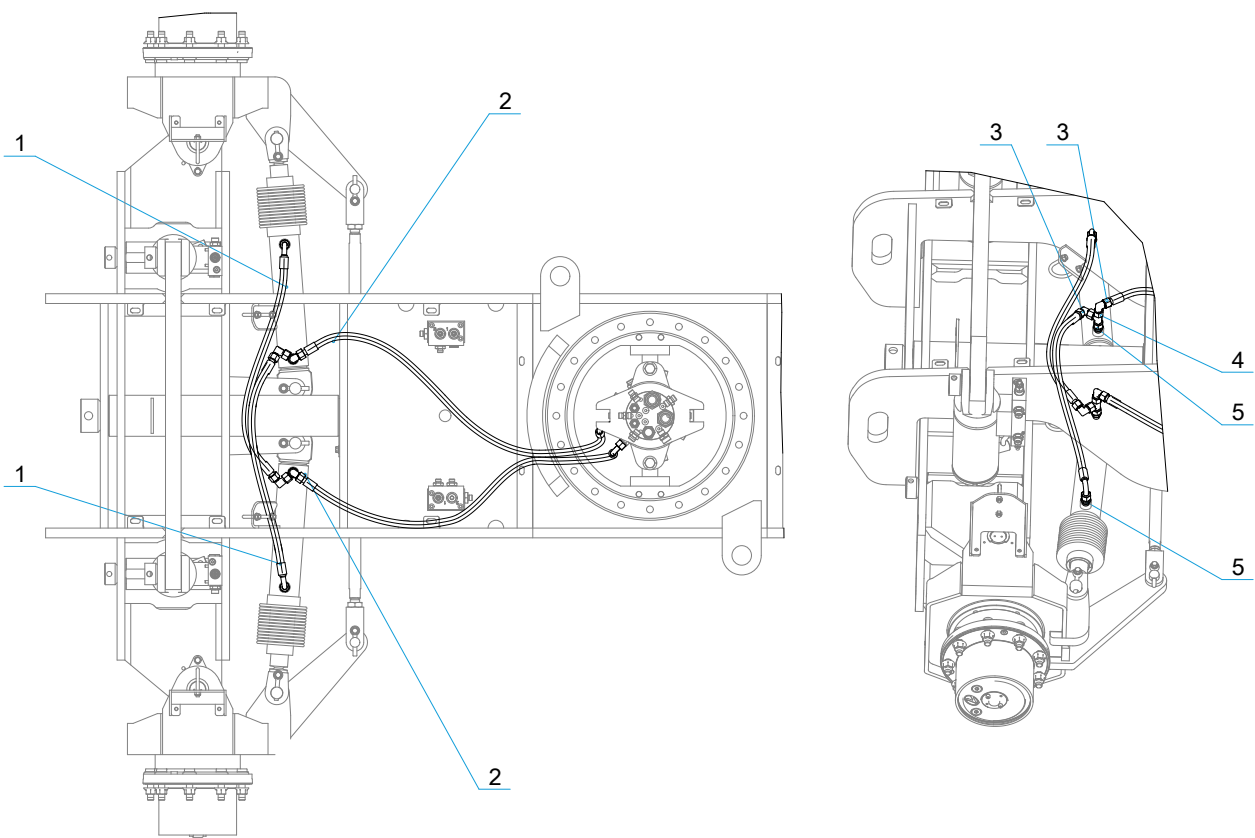
No.	Part No.	Qty.	Description
2	202990000157	2	Valve,counterbalance
3	207040003003	2	O-ring

6.1.13 OSCILLATING PIPE LAYOUT DRAWING



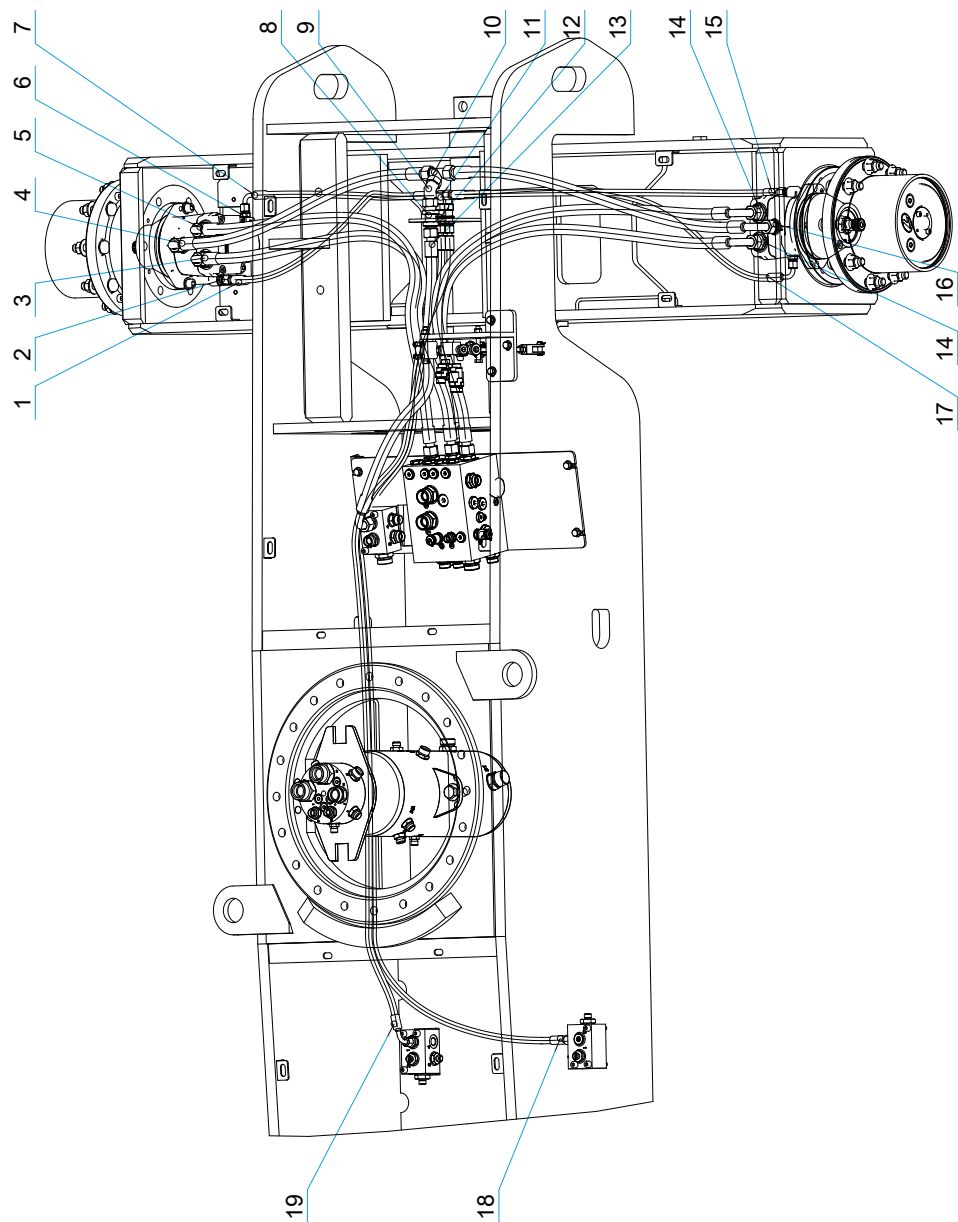
No.	Part No.	Qty.	Description
1	213050000368	1	Hose
2	213010000055	4	Coupler
3	213050000369	1	Hose
4	213050012035	2	Hose
5	213050000044	2	Hose
6	213010000155	2	Coupler
7	213050003343	2	Hose
8	213010000087	2	Coupler

6.1.14 PIPE LAYOUT DRAWING OF STEERING



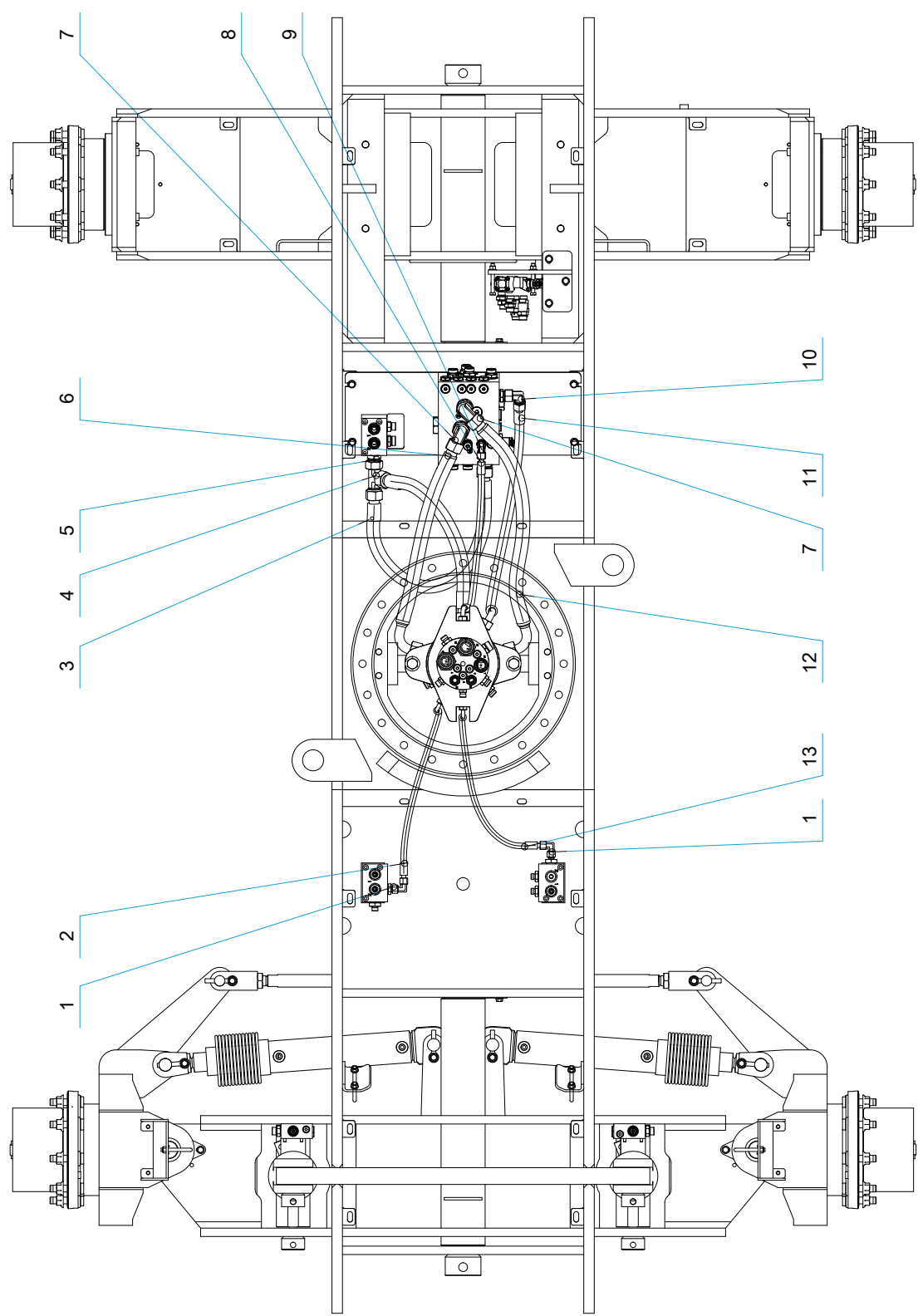
No.	Part No.	Qty.	Description
1	213050000044	2	Hose
2	213050000379	2	Hose
3	213010000055	4	Coupler
4	213010000032	2	Coupler
5	213010000031	4	Coupler

6.1.15 PIPE LAYOUT DRAWING OF REAR AXLE



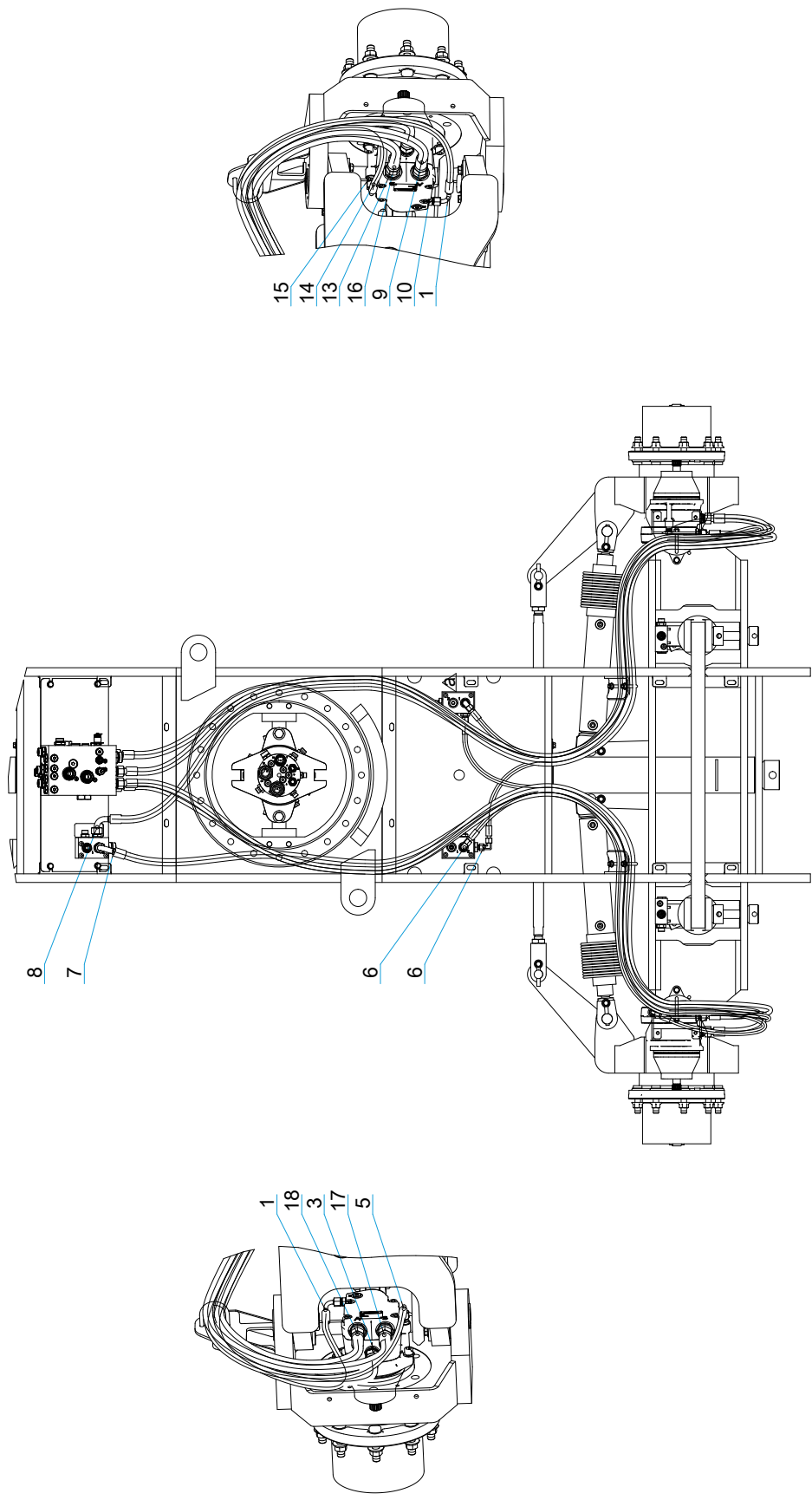
No.	Part No.	Qty.	Description
1	213050003095	1	Hose
2	213010000013	2	Coupler
3	213050013571	2	Hose
4	213050001505	2	Hose
5	213050013572	2	Hose
6	213010000144	2	Coupler
7	213050000999	1	Hose
8	213010000110	1	Coupler
9	213010000170	1	Coupler
10	213010000241	1	Coupler
11	213010000158	2	Coupler
12	213010000139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

6.1.16 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

6.1.17 PIPE LAYOUT DRAWING OF FRONT AXLE



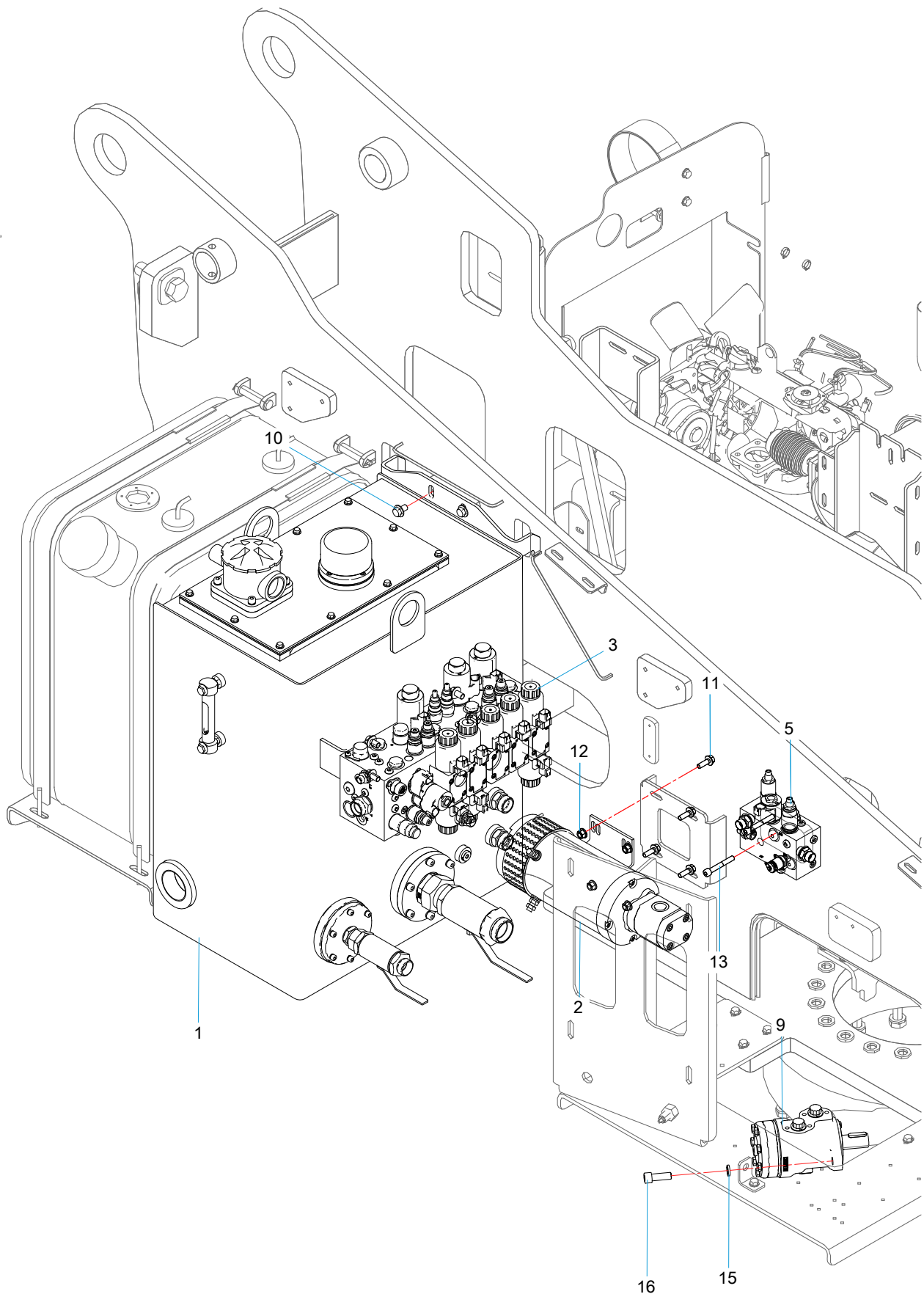
No.	Part No.	Qty.	Description
1	213050000649	2	Hose
3	213010000089	2	Coupler
5	213050001487	1	Hose
6	213010000024	3	Coupler
7	213050003564	1	Hose
8	213050000273	1	Hose
9	213050000598	1	Hose
10	213010000144	2	Coupler
13	213010000152	4	Fitting
14	213050013579	1	Hose
15	213010000013	2	Coupler
16	213050013576	1	Hose
17	213050013577	1	Hose
18	213050013578	1	Hose

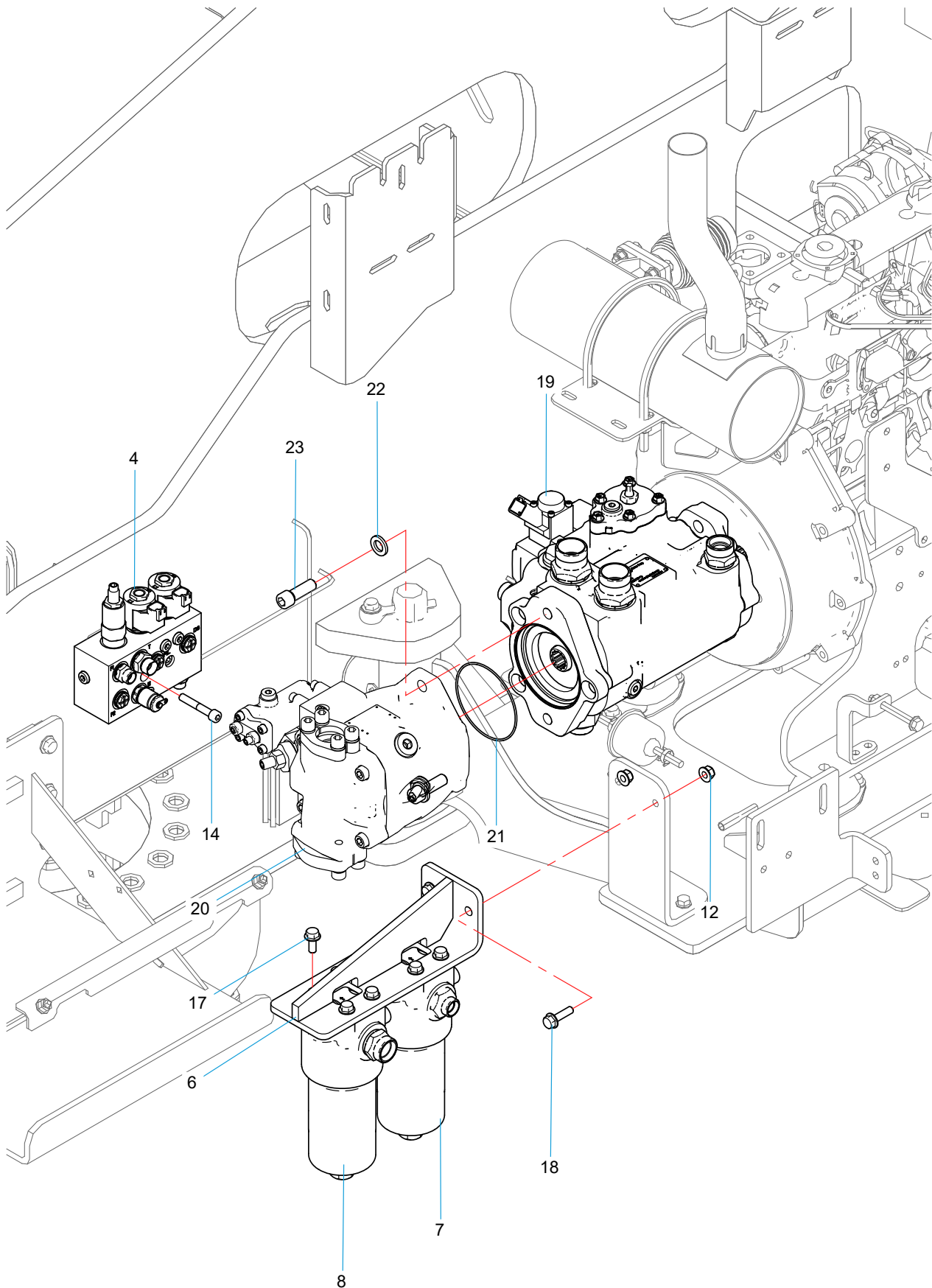
6.2 HYDRAULIC SYSTEM COMPONENTS OF TURNTABLE

6.2.1 HYDRAULIC SYSTEM COMPONENTS OF TURNTABLE (PN.105084053363)

No.	Part No.	Qty.	Description
1		1	Turntable Hydraulic Components Installation(See Sec. 6.2.2 for details)
2		1	OPT, pipeline DIAG (pump, open-circuit)
2-1		1	Open Pump Tubes Layout(See Sec. 6.2.16 for details)
3		1	Boom Tubes Layout(See Sec. 6.2.17 for details)
4		1	Pipe Layout Drawing of Boom Function Manifold(See Sec. 6.2.18 for details)
5		1	OPT, pipeline DIAG (pump, closed-circuit)
5-1		1	Pipeline DIAG, travel pump (Hengli)(See Sec. 6.2.19 for details)
6		1	Pipe Layout Drawing of Brake Dual-speed Control Valve(See Sec. 6.2.20 for details)

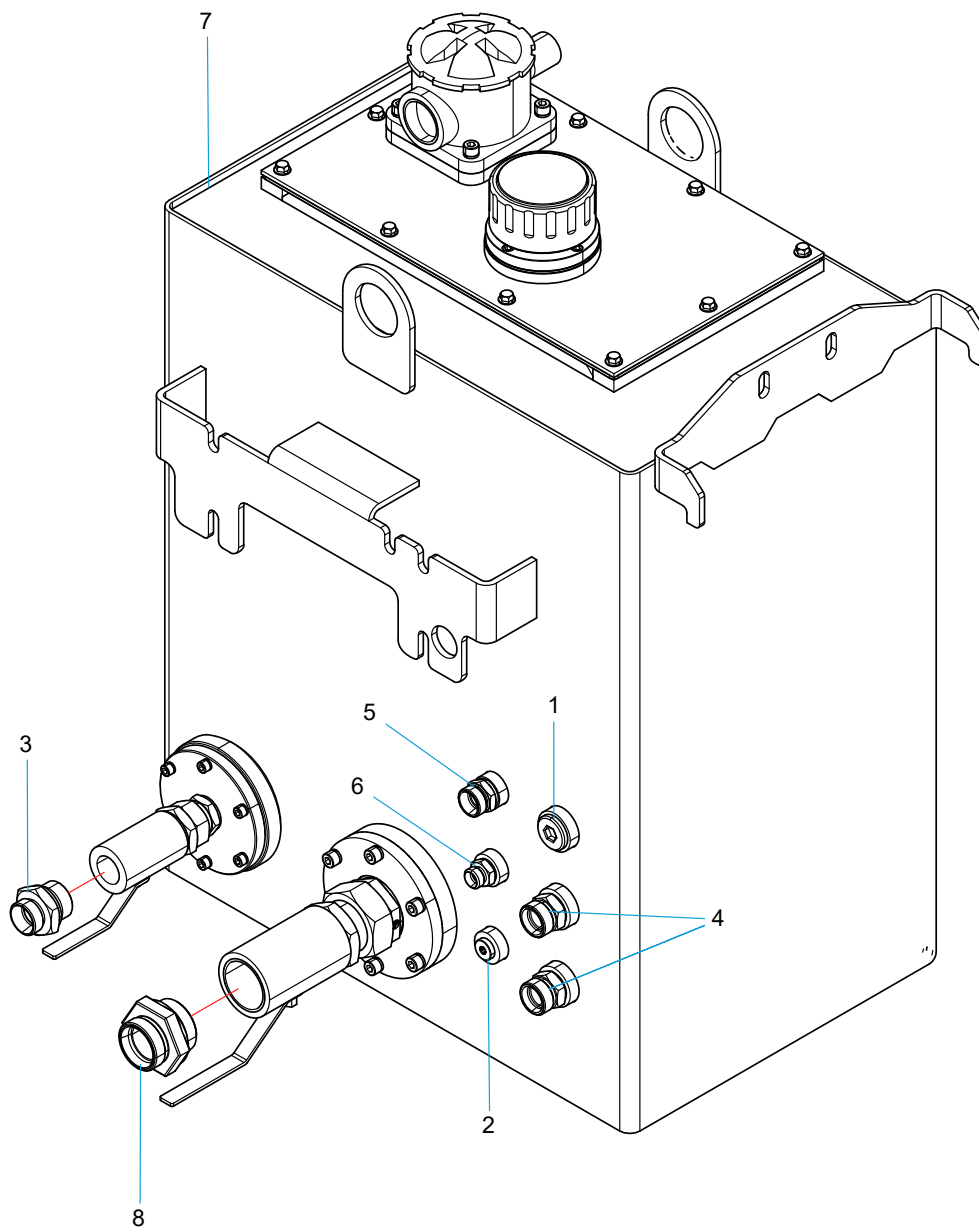
6.2.2 TURNTABLE HYDRAULIC COMPONENTS INSTALLATION





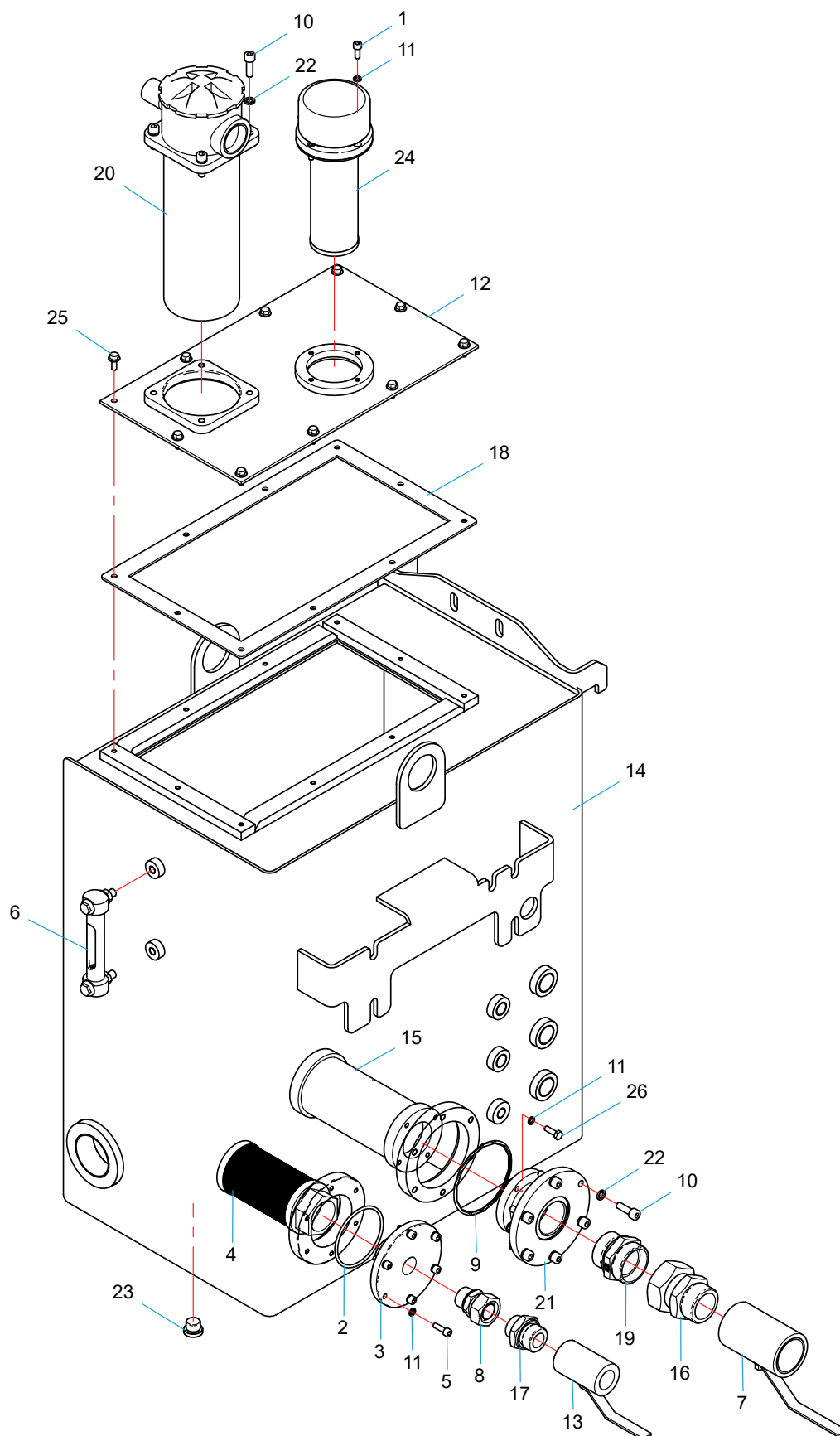
No.	Part No.	Qty.	Description
1		1	OPT, INST (fitting, hydraulic tank)
1-1		1	Hydraulic Tank and Fittings Installation (with Heater)(See Sec. 6.2.3 for details)
2		1	OPT, unit (emergency power)
2-1	202010000041	1	Power unit, 12V(See Sec. 6.2.5 for details)
3		1	Boom Function Valve and Fittings Installation(See Sec. 6.2.6 for details)
4		1	Brake Dual-speed Control Valve and Fittings Installation(See Sec. 6.2.8 for details)
5		1	Oscillate Control Valve and Fittings Installation(See Sec. 6.2.10 for details)
6	105030023001	1	Bracket
7		1	High Pressure Filter Connector Installation(See Sec. 6.2.12 for details)
8		1	High Pressure Filter Connector Installation(See Sec. 6.2.13 for details)
9		1	OPT, Cycloid Motor
9-1	202020003090	1	Cycloid motor
9-1a	202990003346	1	Seal kit, Cycloid motor
10	215010000245	6	Bolt M10×16-8.8-ZnD GB/T 5789
11	215010000235	5	Bolt M8×25-8.8-ZnD GB/T 5789
12	215030000108	7	Nut M8-8-ZnD GB/T 6183.1
13	215020000038	2	Screw M8×60-8.8-ZnD GB/T 70.1
14	215020000032	2	Screw M8×50-8.8-ZnD GB/T 70.1
15	215040000007	2	Washer 12-ZnD GB/T 93
16	215020000076	2	Screw M12×35-8.8-ZnD GB/T 70.1
17	215010000234	8	Bolt M8×20-8.8-ZnD GB/T 5789
18	215010000236	2	Bolt M8×30-8.8-ZnD GB/T 5789
19		1	OPT, INST (fitting, closed-circuit pump)
19-1		1	Close-circuit Pump and Fittings Installation(See Sec. 6.2.14 for details)
20		1	OPT, INST (fitting, open-circuit pump)
20-1		1	Open-circuit Pump and Fittings Installation(See Sec. 6.2.15 for details)
21	207040000060	1	O-ring
22	215040000051	2	Washer 12-DKL GB/T 1230
23	215080000005	2	Hexagon socket head cap screw 1/2-13UNC-1.5-GR8-DKL ASME B18.3

6.2.3 HYDRAULIC TANK AND FITTINGS INSTALLATION (WITH HEATER)



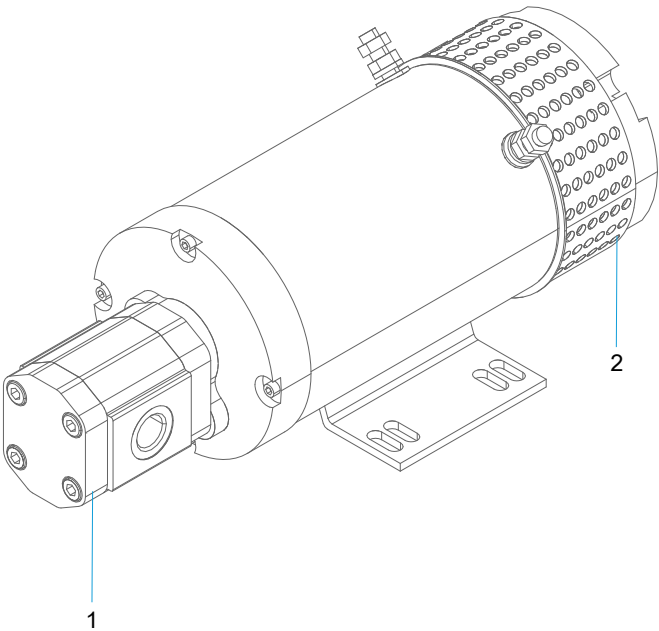
No.	Part No.	Qty.	Description
1	213060000014	1	Plug
2	213060000010	1	Plug
3	213010000175	1	Coupler
4	213010000037	2	Coupler
5	213010000198	1	Coupler
6	213010000086	1	Coupler
7	105084053270	1	Hydraulic Tank Assembly (with Heater) (See Sec. 6.2.4 for details)
8	105001050011	1	Fitting

6.2.4 HYDRAULIC TANK ASSEMBLY (WITH HEATER) (PN.105084053270)



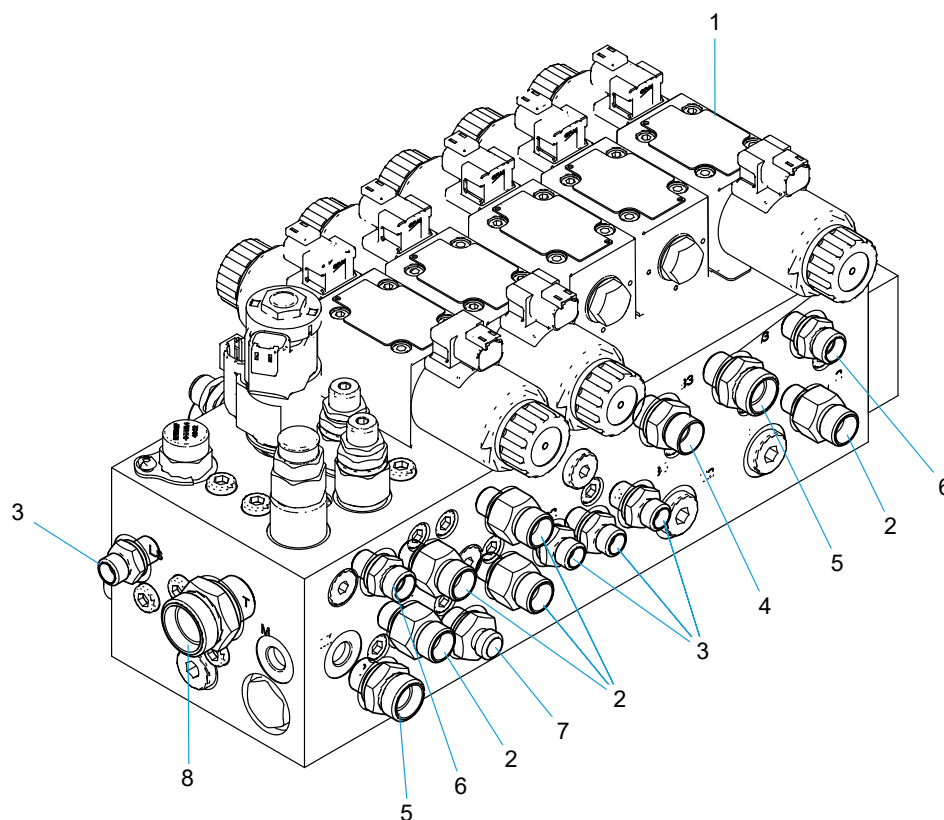
No.	Part No.	Qty.	Description
1	215020000011	4	Screw M6×16-A2-70 GB/T 70.1
2	207040000020	1	O ring 77.5×3.55 GB/T 3452.1
3	104009020135	1	Flange
4	202080000006	1	Suction filter
5	215020000012	6	Screw M6×20-A2-70 GB/T 70.1
6	202120000005	1	Level gauge
7	202040000017	1	Valve
8	213010000123	1	Fitting
9	207040003202	1	O-ring
10	215020000024	10	Screw M8×25-8.8-ZnD GB/T 70.1
11	215040000004	14	Washer 6-A2-70 GB/T 93
12	105074053033	1	Tank cover plate
13	202040000142	1	Ball valve
14	105084053272	1	Tank body
15	202080000004	1	Oil suction filter
16	213010000059	1	Coupler
17	213010000175	1	Coupler
18	104011050003	1	Sad, seal
19	213010000058	1	Coupler
20	202080000007	1	Oil return filter
20a	202080000014	1	Return filter element
21	105001020024	1	Flange
22	215040000005	10	Washer 8-ZnD GB/T 93
23	213060000006	1	Plug
24	202070003014	1	Air filter
24a	202070003015	1	Filter element
25	215010000230	10	Bolt M6×16-8.8-ZnD GB/T 5789
26	215010000051	4	Bolt M6×20-A2-70 GB/T 5783

6.2.5 POWER UNIT, 12V (PN.202010000041)



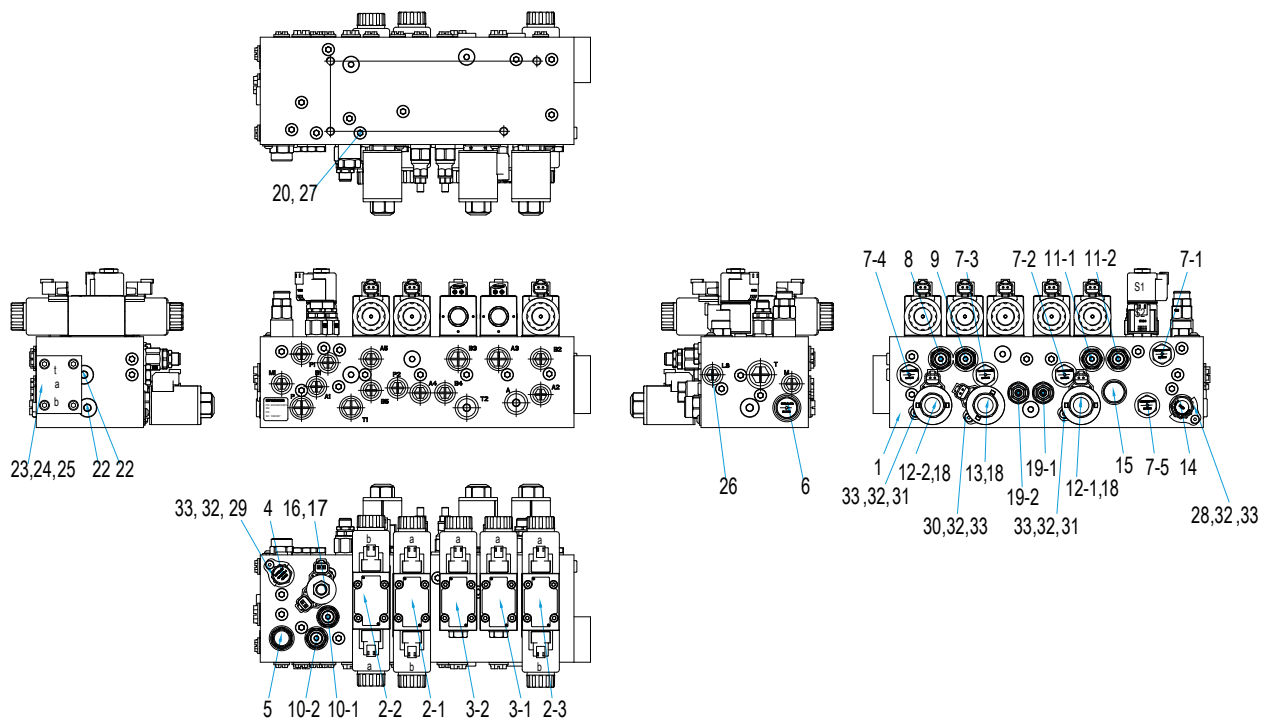
No.	Part No.	Qty.	Description
1	202010003073	1	Gear pump
1a	207990003107	1	Seal kit, gear pump
2	203010003058	1	DC motor
2a	202990000176	1	Carbon brush

6.2.6 BOOM FUNCTION VALVE AND FITTINGS INSTALLATION



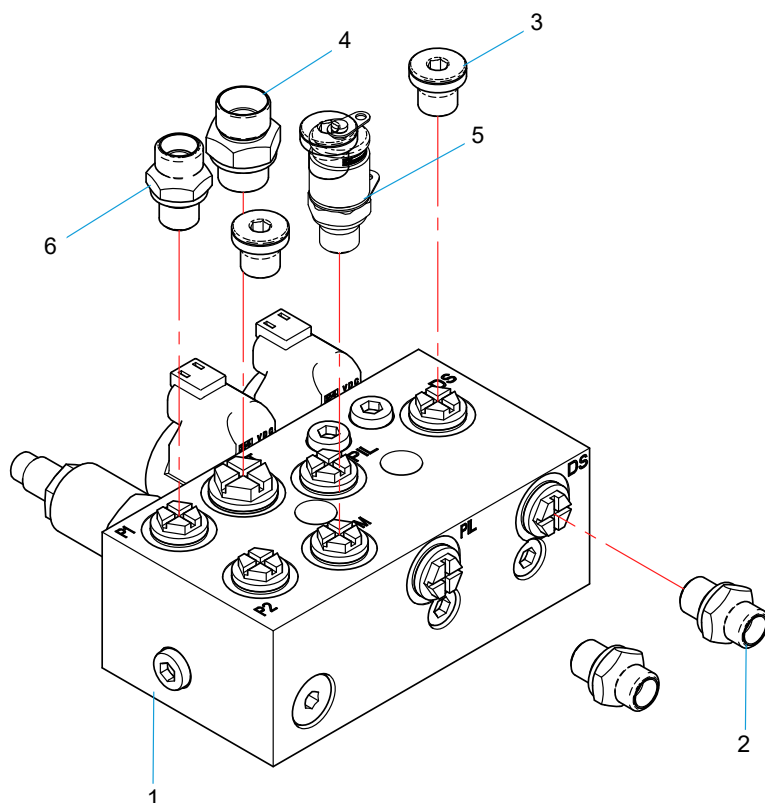
No.	Part No.	Qty.	Description
1	202040003876	1	Boom Function Manifold(See Sec. 6.2.7 for details)
2	213010000036	5	Coupler
3	213010000007	4	Fitting
4	213010000005	1	Coupler
5	213010000003	2	Coupler
6	213010000012	2	Coupler
7	213010000047	1	Fitting
8	213010000017	1	Coupler

6.2.7 BOOM FUNCTION MANIFOLD (PN.202040003876)



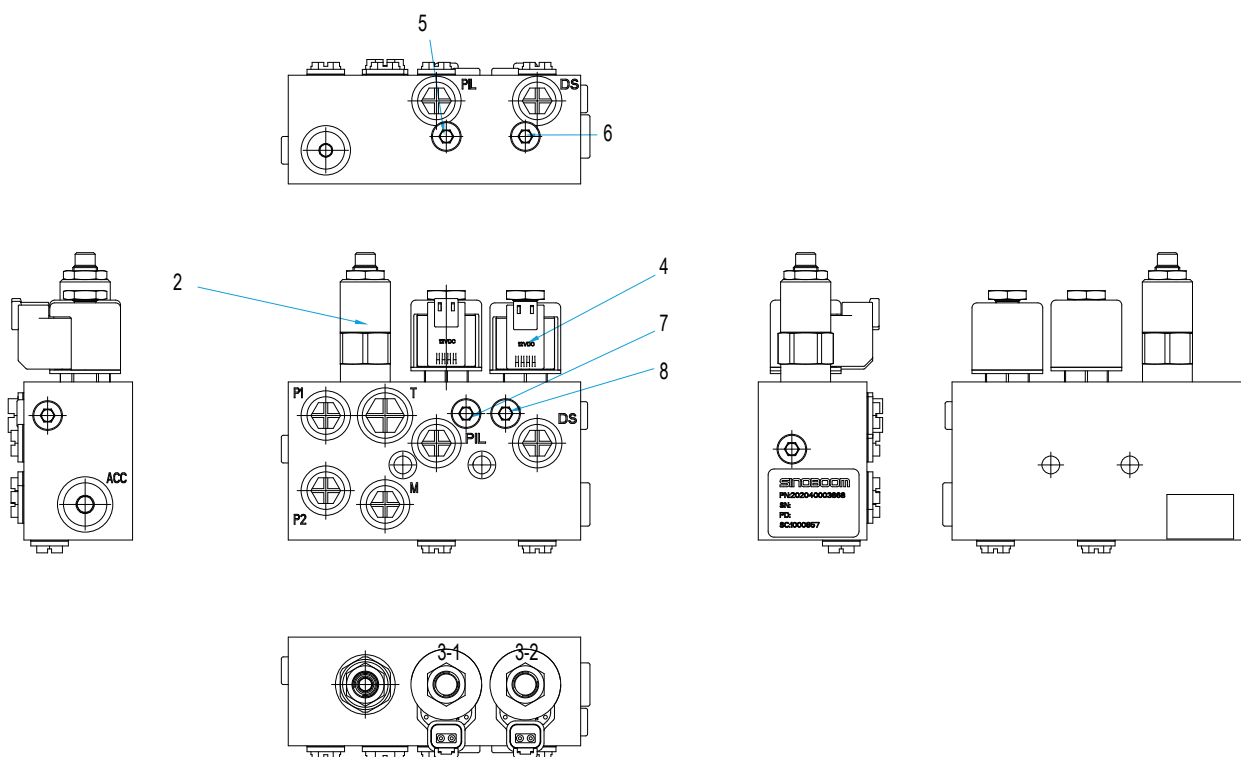
No.	Part No.	Qty.	Description
2	202990003148	3	Solenoid directional valve
3	202990003729	2	Solenoid directional valve
4	202990003640	1	Valve,flow
5	202990003938	1	Valve,relief
6	202990003638	1	Check valve
7	202990003647	5	Valve,check
8	202990004068	1	Relief valve
9	202990003944	1	Relief valve
10	202990004065	2	Relief valve
11	202990003672	2	Valve, relief
12	202990000009	2	Spool
13	202990003637	1	Proportional flow valve
14	202990003656	1	Valve,flow
15	202990004066	1	Valve,logical
16	202990003657	1	Valve,telescope counterbalance
17	202990003624	2	Coil
18	202990003642	3	Coil
19	202990004067	2	Valve, balance
24	207040003049	3	O-ring

6.2.8 BRAKE DUAL-SPEED CONTROL VALVE AND FITTINGS INSTALLATION



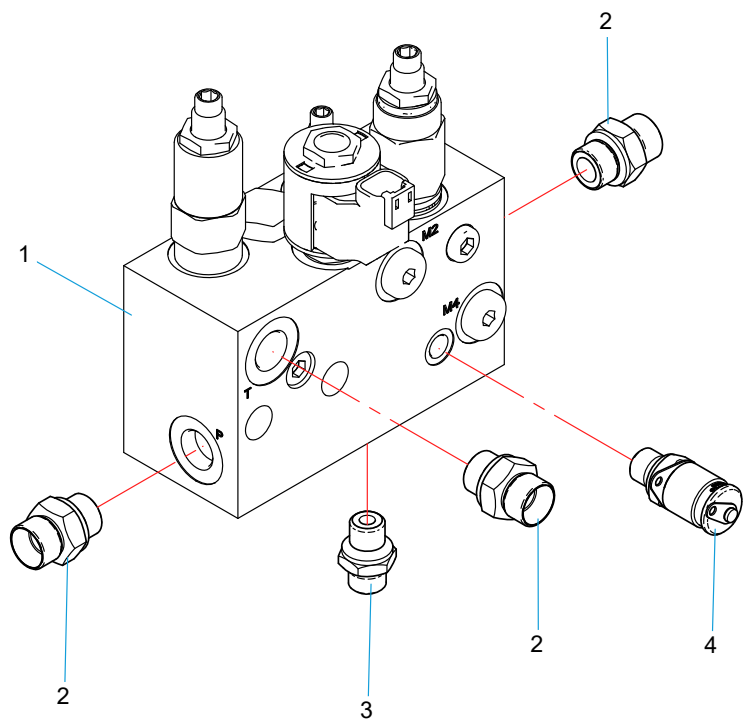
No.	Part No.	Qty.	Description
1	202040003668	1	Brake Dual-speed Control Valve(See Sec. 6.2.9 for details)
2	213010000007	2	Fitting
3	213060000003	3	Plug
4	213010000005	1	Coupler
5	213010000010	1	Coupler
6	213010000012	1	Coupler

6.2.9 BRAKE DUAL-SPEED CONTROL VALVE (PN.202040003668)



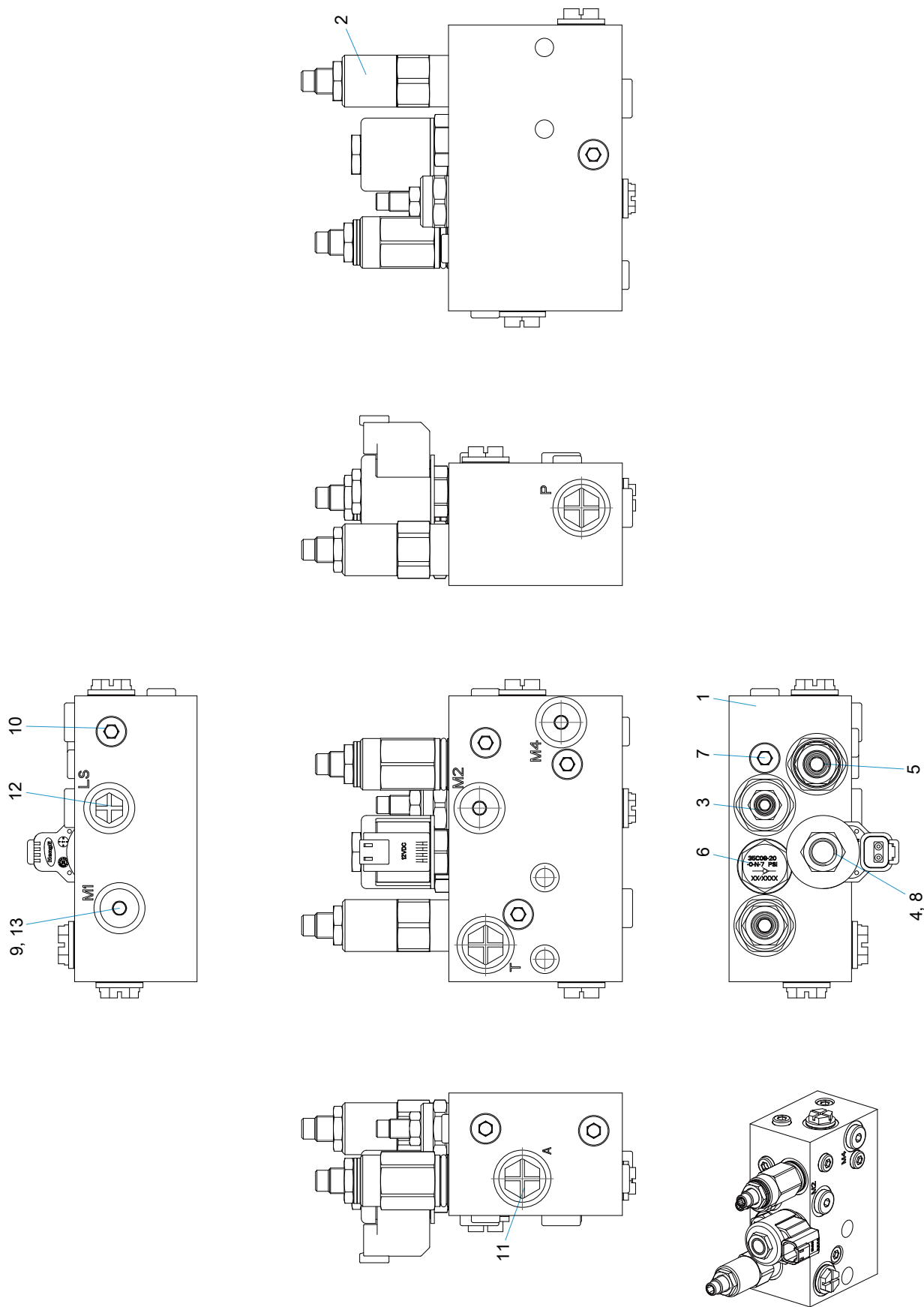
No.	Part No.	Qty.	Description
2	202990004048	1	Valve , pressure relief
3	202990003623	2	Telescope counterbalance valve
4	202990003624	2	Coil
5	202130000004	1	Plug
6	202130000001	1	Damper
7	202130003015	1	Damper
8	202130000008	1	Damper plug

6.2.10 OSCILLATE CONTROL VALVE AND FITTINGS INSTALLATION



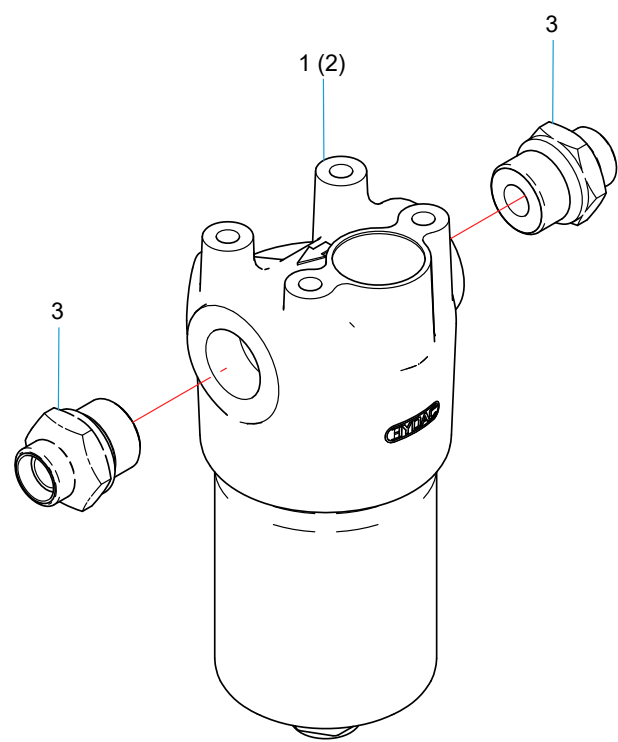
No.	Part No.	Qty.	Description
1	202040003875	1	Oscillate Control Valve(See Sec. 6.2.11 for details)
2	213010000005	3	Coupler
3	213010000007	1	Fitting
4	213010000010	1	Coupler

6.2.11 OSCILLATE CONTROL VALVE (PN.202040003875)



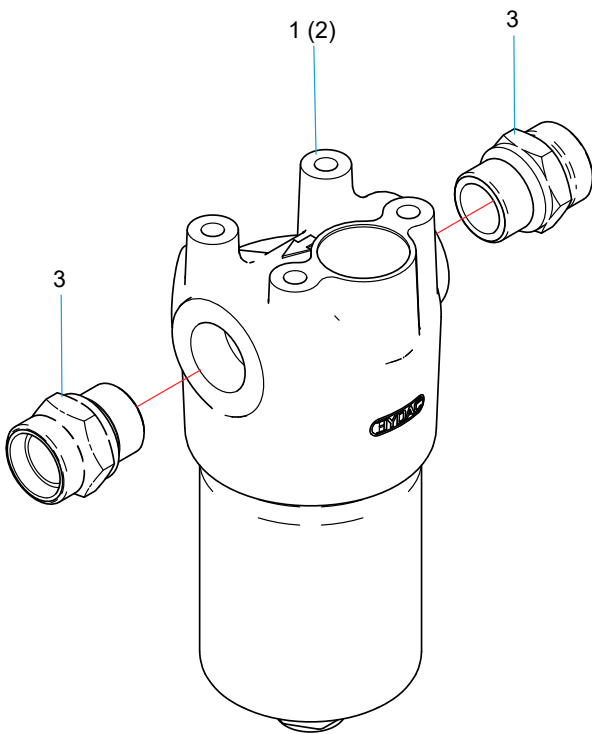
No.	Part No.	Qty.	Description
2	202990000155	1	Valve,pressure relief
3	202990003648	1	Valve,flow
4	202990000156	1	Valve,solenoid directional
5	202990000177	1	Valve,hydraulic directional
6	202990003653	1	Valve,check
7	202130003054	1	Damper
8	202990003624	1	Coil
13	202990000161	1	Screen,filter

6.2.12 HIGH PRESSURE FILTER CONNECTOR INSTALLATION



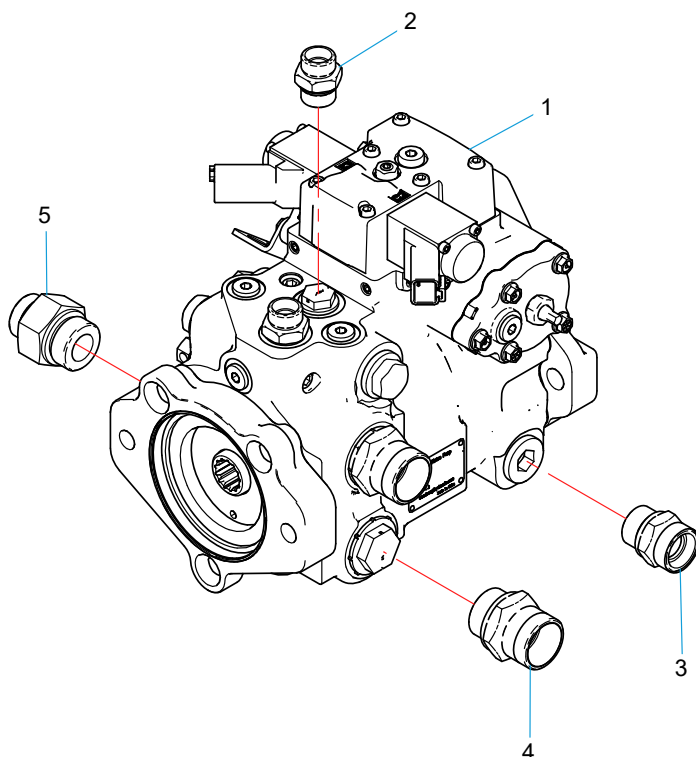
No.	Part No.	Qty.	Description
1	202080000046	1	High pressure filter (Interchangeable with 2)
1a	202080000048	1	Filter element
2	202080003017	1	High pressure filter (Interchangeable with 1)
2a	202080003018	1	Filter element
3	213010000014	2	Coupler

6.2.13 HIGH PRESSURE FILTER CONNECTOR INSTALLATION



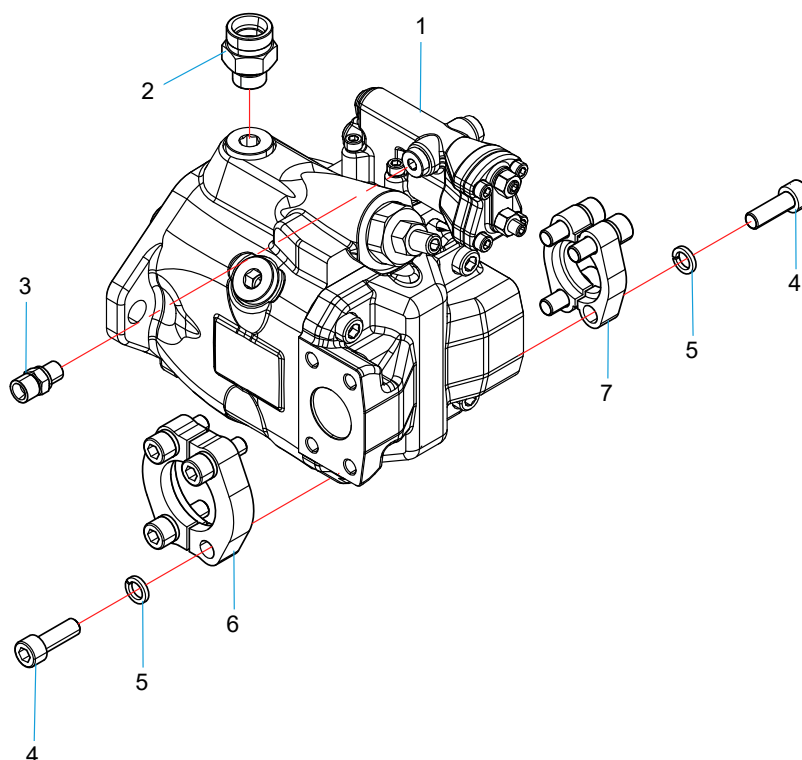
No.	Part No.	Qty.	Description
1	202080003017	1	High pressure filter (Interchangeable with 2)
1a	202080003018	1	Filter element
2	202080000046	1	High pressure filter (Interchangeable with 1)
2a	202080000048	1	Filter element
3	213010000045	2	Coupler

6.2.14 CLOSE-CIRCUIT PUMP AND FITTINGS INSTALLATION



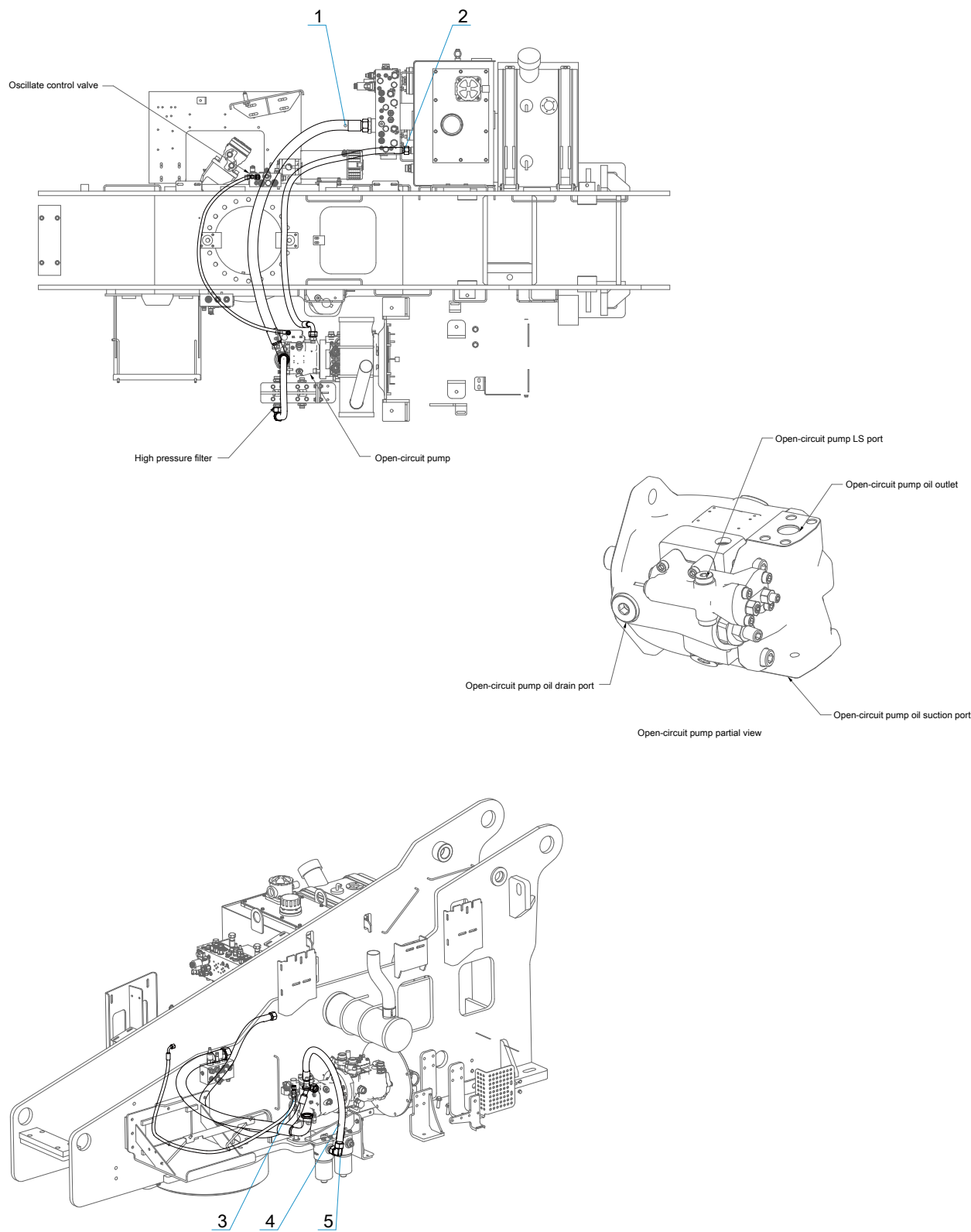
No.	Part No.	Qty.	Description
1	202010000054	1	Closed-circuit variable pump
1a	207990003118	1	Seal kit, closed-circuit pump
2	213010000162	2	Coupler
3	213010000029	1	Coupler
4	213010000027	2	Coupler
5	213010003017	1	Coupler

6.2.15 OPEN-CIRCUIT PUMP AND FITTINGS INSTALLATION



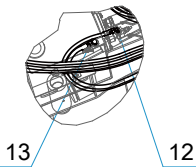
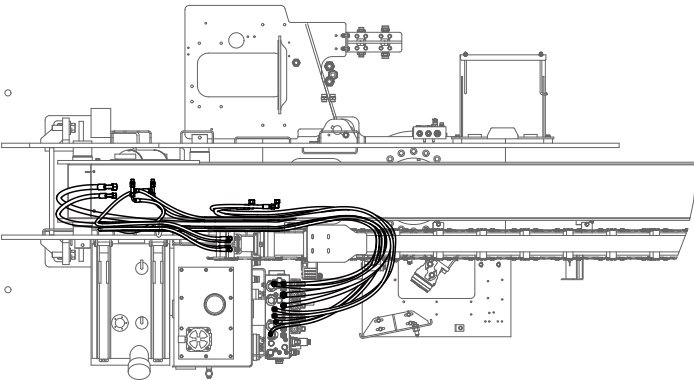
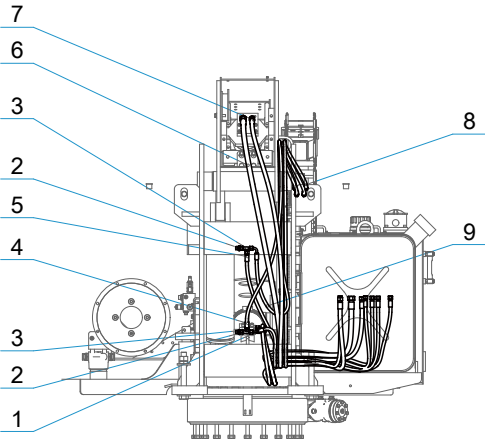
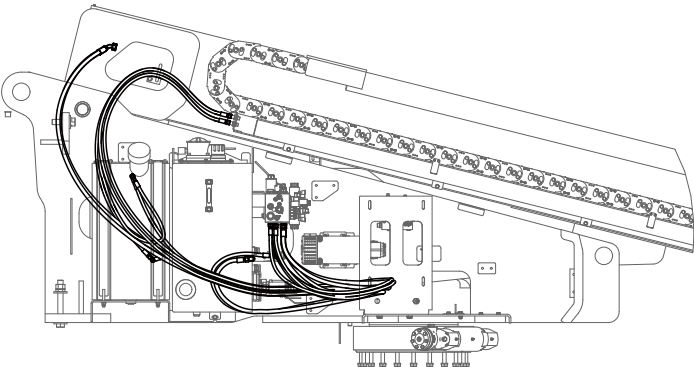
No.	Part No.	Qty.	Description
1	202010003140	1	Open-circuit pump
1a	207990003982	1	Seal kit, Open-circuit pump
2	213010000213	1	Coupler
3	213010000013	1	Coupler
4	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
5	215040000006	8	Washer 10-ZnD GB/T 93
6	213030000002	1	Flange
7	213030000007	1	Flange

6.2.16 OPEN PUMP TUBES LAYOUT



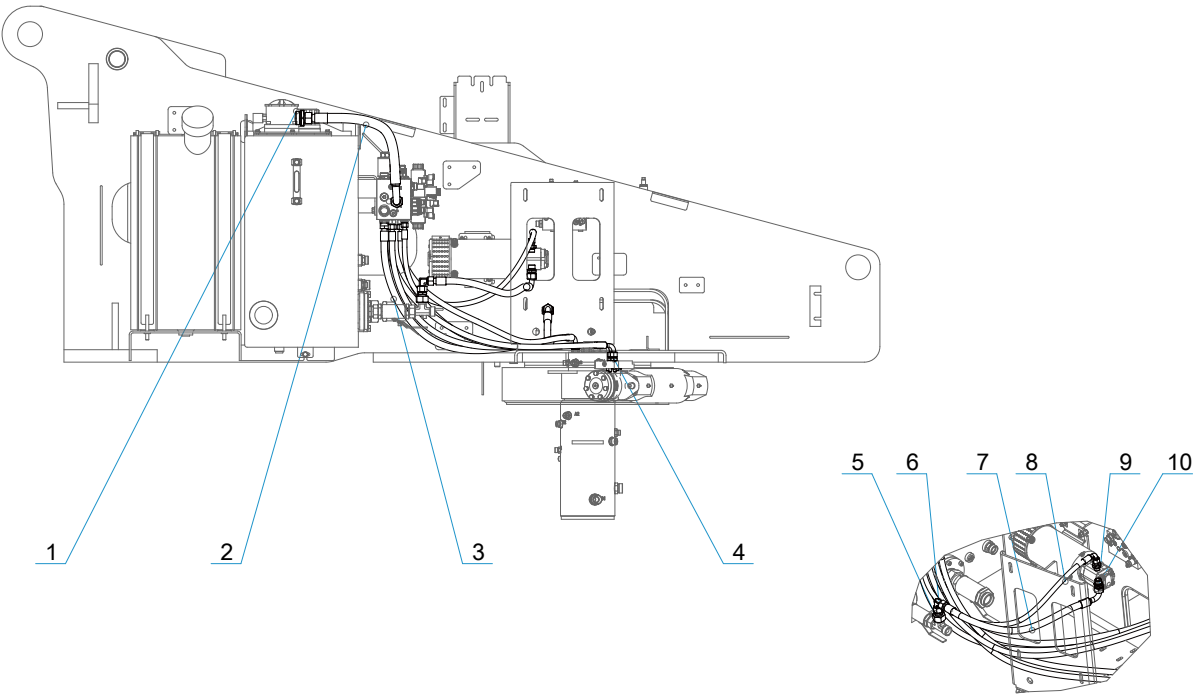
No.	Part No.	Qty.	Description
1	213050019185	1	Hose
2	213050001035	1	Hose
3	213050018087	1	Hose
4	213050001694	1	Hose
5	213010000041	1	Coupler

6.2.17 BOOM TUBES LAYOUT

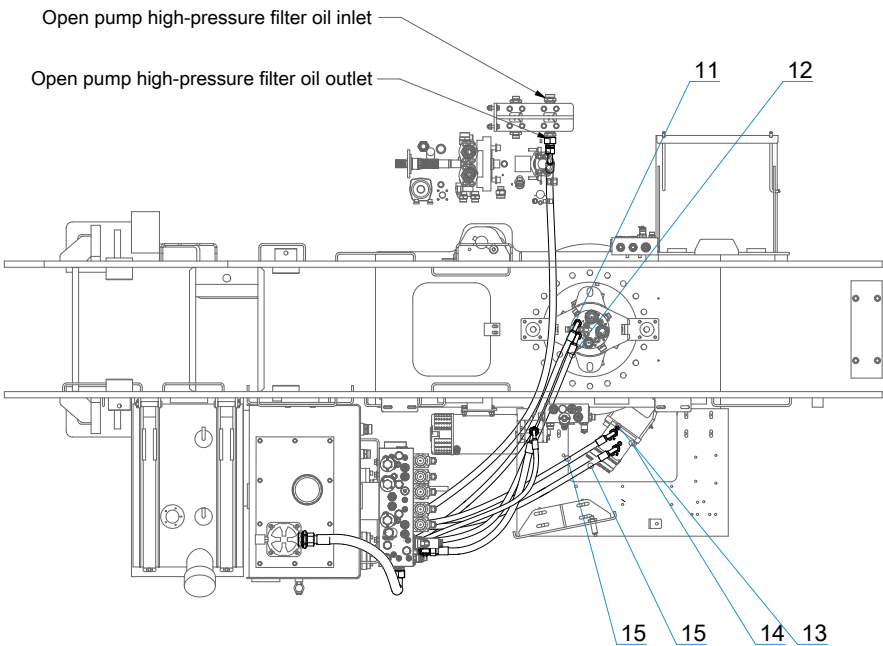


No.	Part No.	Qty.	Description
1	213050013299	1	Hose
2	213010000007	2	Fitting
3	213010000026	2	Coupler
4	213050013948	1	Hose
5	213050008490	1	Hose
6	213050013569	1	Hose
7	213050011609	1	hose
8	213050012276	2	Hose
9	213050011645	1	Hose
10	213050000119	1	Hose
11	213050003310	1	Hose
12	213010000009	1	Coupler
13	213010000055	1	Coupler

6.2.18 PIPE LAYOUT DRAWING OF BOOM FUNCTION MANIFOLD

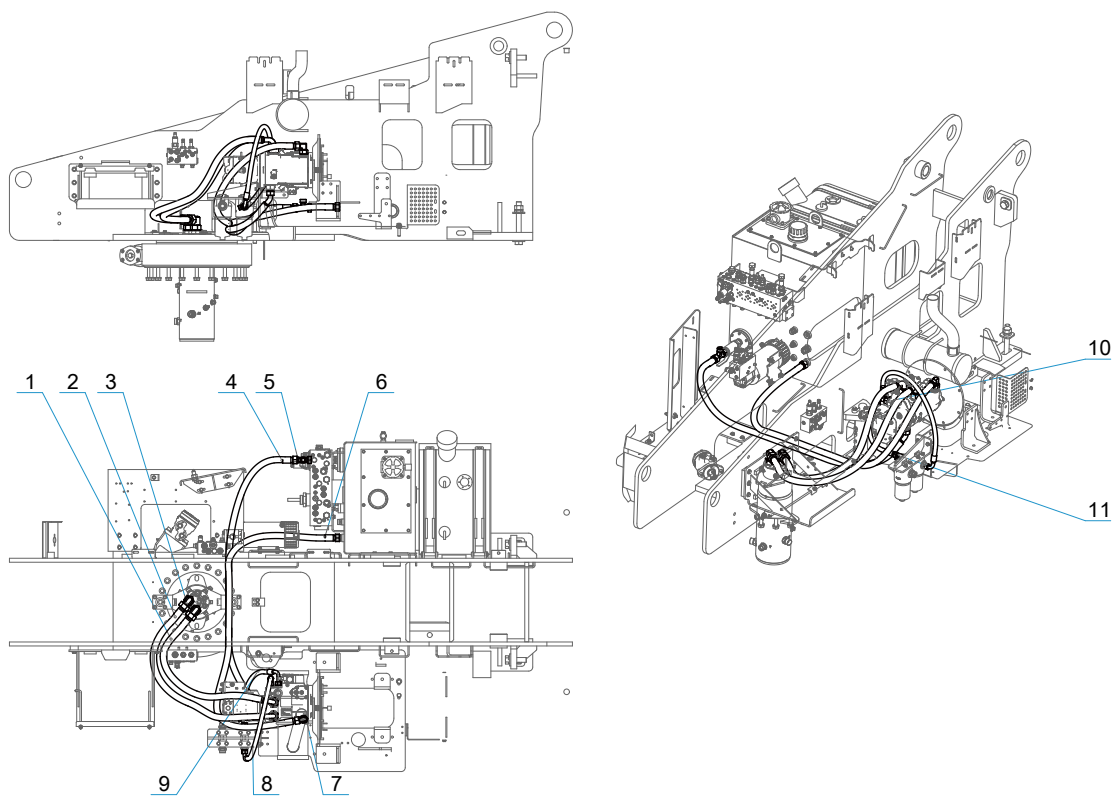


Emergency power unit partial view



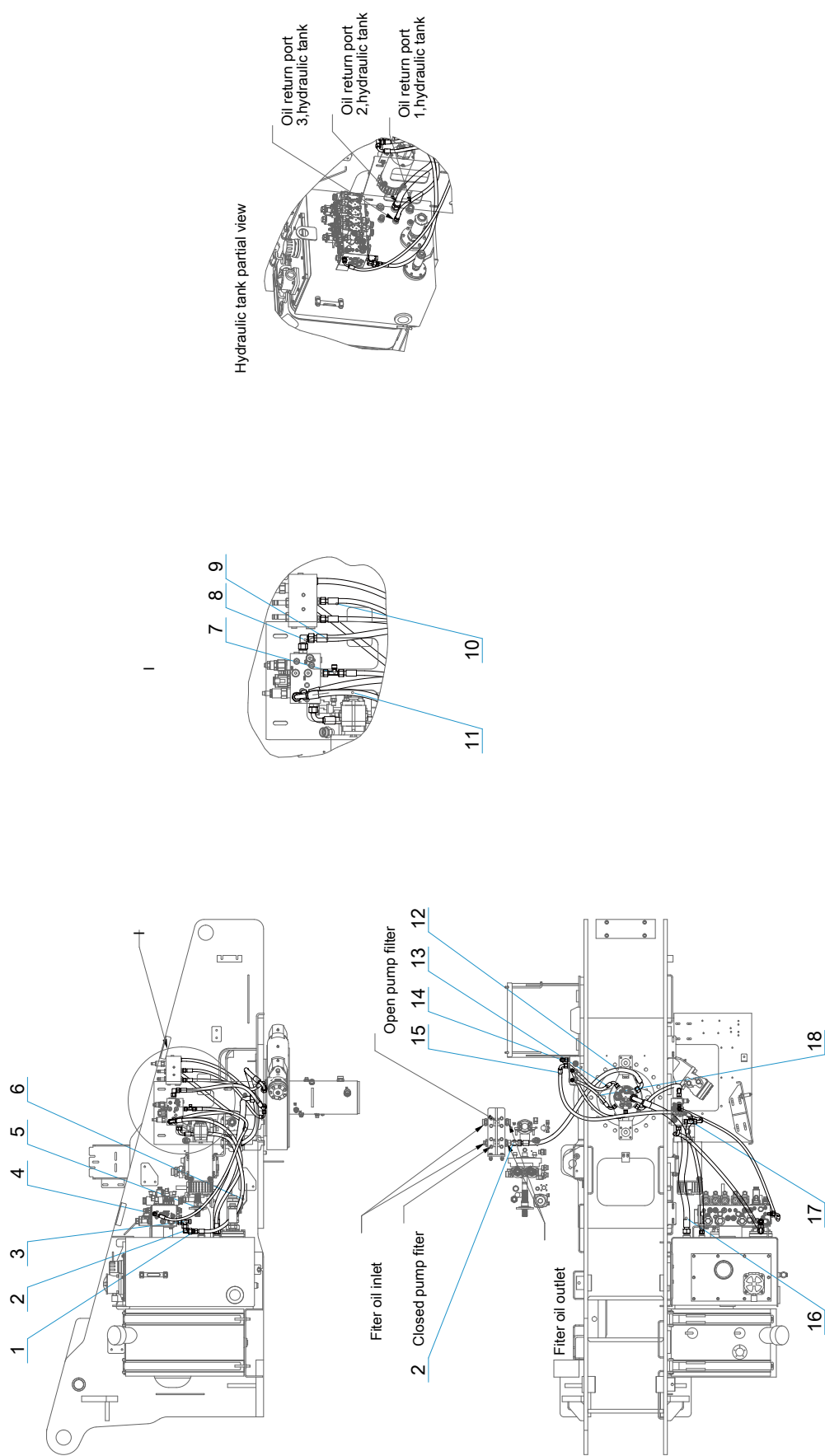
No.	Part No.	Qty.	Description
1	213010000187	1	Coupler
2	213050008285	1	Hose
3	213050003063	1	Hose
4	213010000005	2	Coupler
5	213010000098	2	Coupler
6	213010000008	1	Coupler
7	213050001512	1	Hose
8	213050003274	1	Hose
9	213010000125	1	Fitting
10	213010000039	1	Coupler
11	213050018785	1	Hose
12	213050000379	1	Hose
13	215020000023	4	Screw M8×20-8.8-ZnD GB/T 70.1
14	202040003877	1	Block, adaptor (slewing)
15	213050000048	2	Hose

6.2.19 PIPELINE DIAG, TRAVEL PUMP (HENGLI)



No.	Part No.	Qty.	Description
1	213050004611	1	Hose
2	213050004612	1	Hose
3	213010000022	2	Coupler
4	213050018713	1	Hose
5	213010000043	1	Coupler
6	213050003141	1	Hose
7	213010000041	1	Coupler
8	213050000613	1	Hose
9	213050013573	1	Hose
10	213010000008	1	Coupler
11	213010000078	1	Coupler

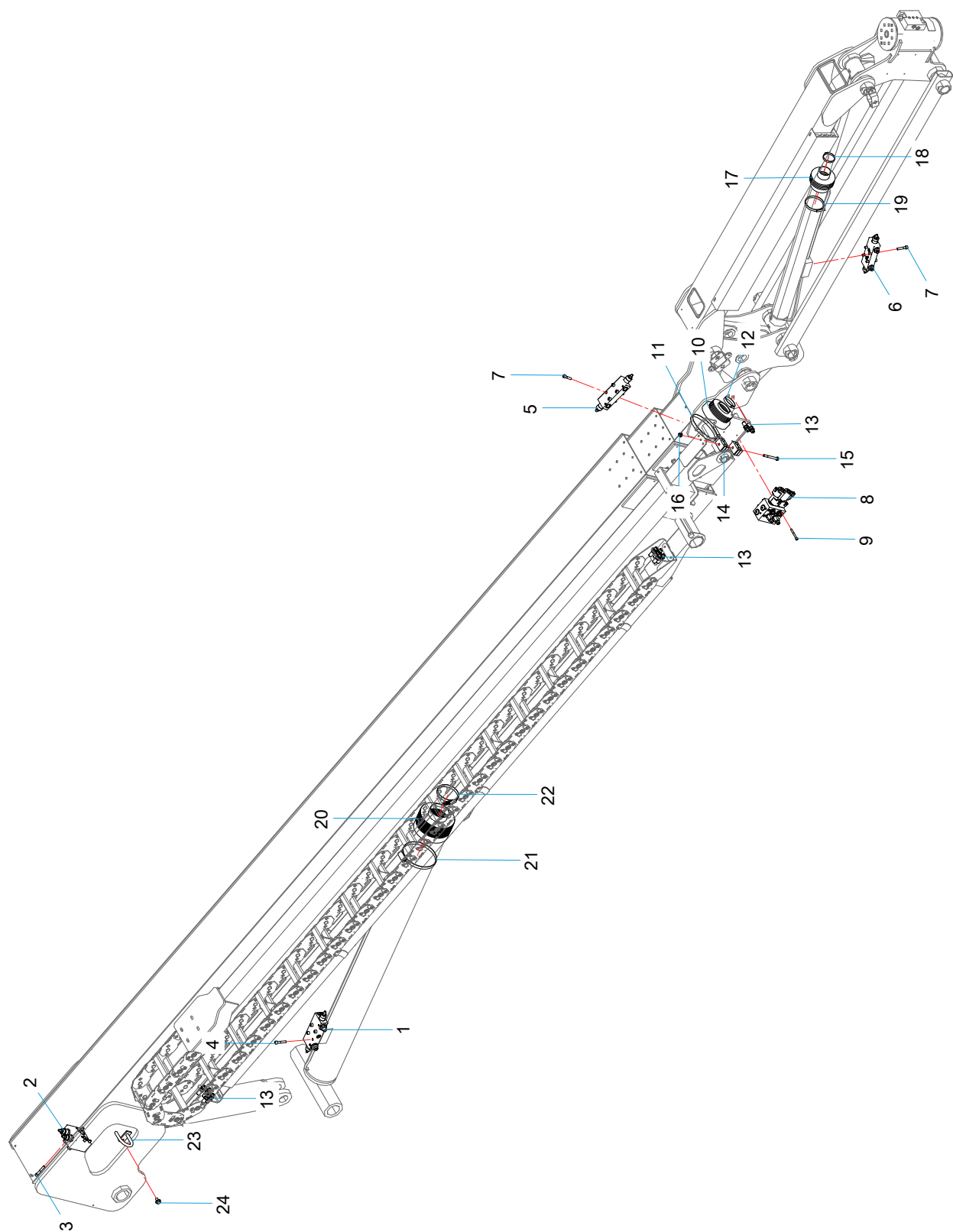
6.2.20 PIPE LAYOUT DRAWING OF BRAKE DUAL-SPEED CONTROL VALVE



No.	Part No.	Qty.	Description
1	213010000011	1	Coupler
2	213010000008	2	Coupler
3	213010000078	1	Coupler
4	213010000007	1	Fitting
5	213050000092	1	Hose
6	213050000426	1	Hose
7	213010000026	1	Coupler
8	213010000055	1	Coupler
9	213050001458	1	Hose
10	213050017105	1	Hose
11	213050000065	1	Hose
12	213050000317	1	Hose
13	213050003300	1	Hose
14	213010000009	1	Coupler
15	213050001170	1	Hose
16	213050003028	1	Hose
17	213010000032	1	Coupler
18	213050001347	1	Hose

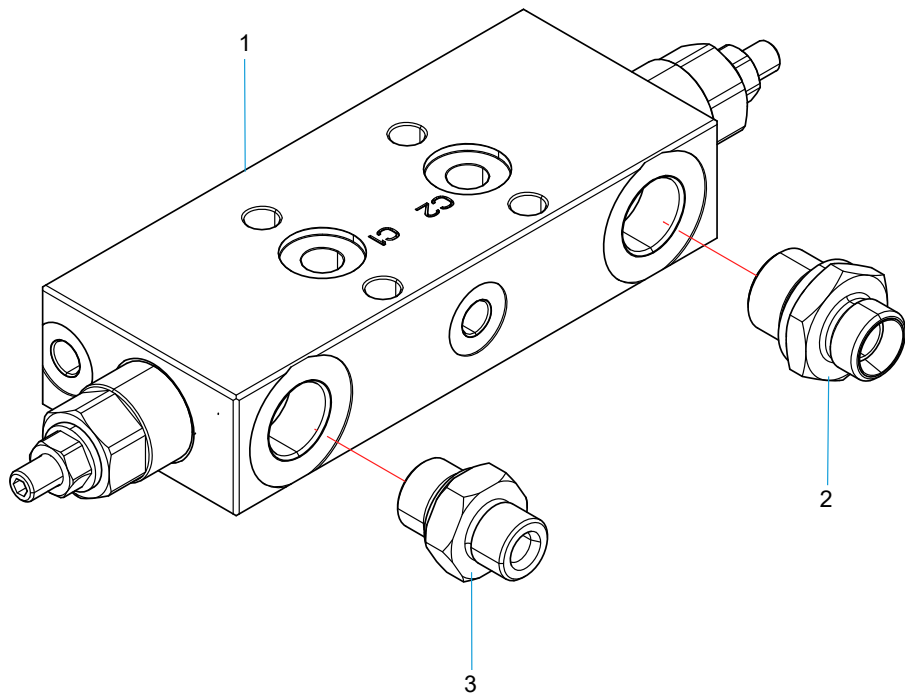
6.3 HYDRAULIC SYSTEM COMPONENTS OF BOOM

6.3.1 BOOM HYDRAULIC COMPONENTS INSTALLATION



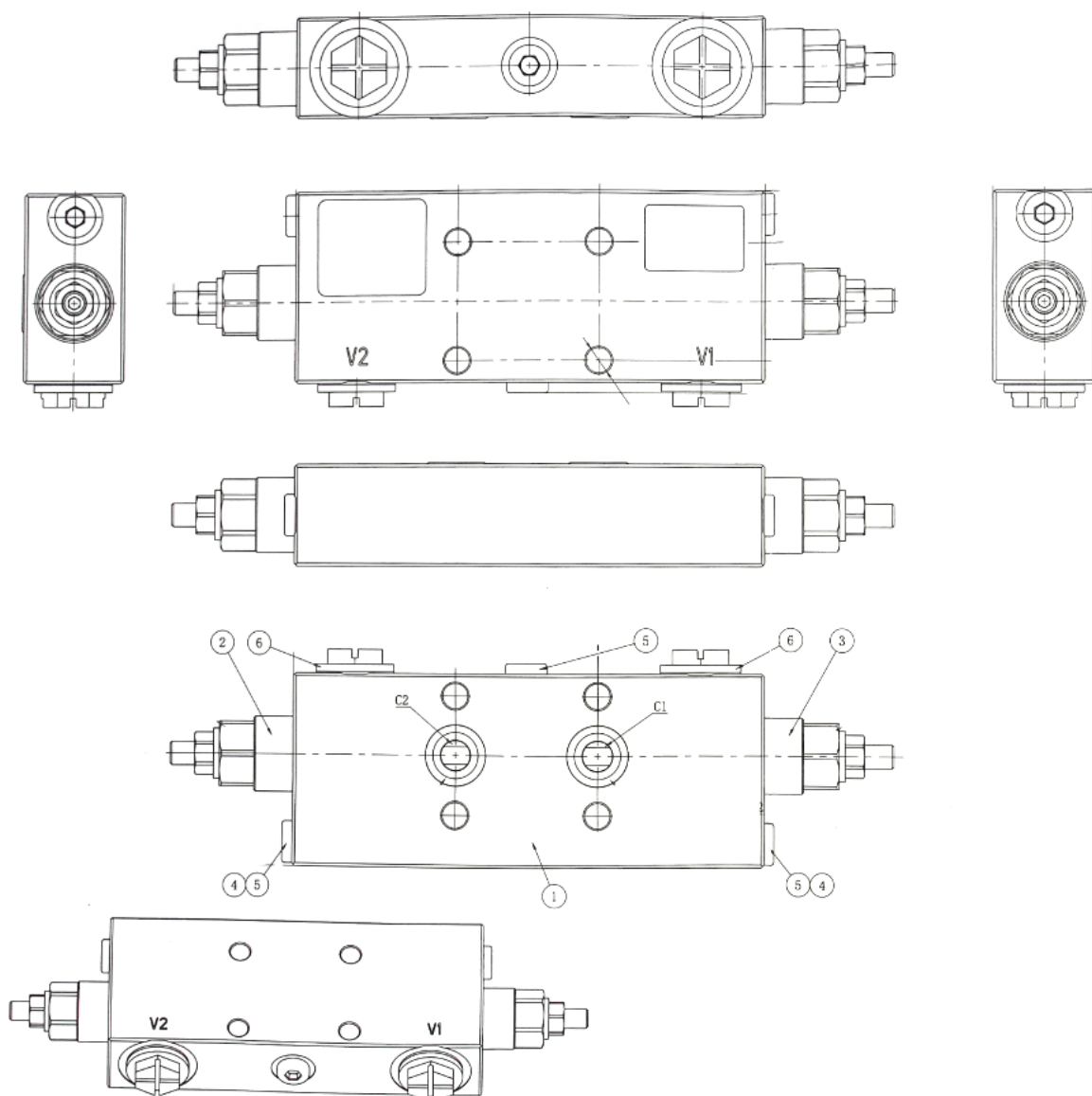
No.	Part No.	Qty.	Description
1		1	Lift Counterbalance Valve and Fittings Installation(See Sec. 6.3.2 for details)
2		1	Telescoping Counterbalance Valve and Fittings Installation(See Sec. 6.3.4 for details)
3	215020000033	4	Screw M8×50-10.9-DKL GB/T 70.1
4	215020000031	4	Screw M8×45-10.9-DKL GB/T 70.1
5		1	OPT, valve (counterbalance, leveling)
5-1	202040003614	1	2-way Counterbalance Valve (See Sec. 6.3.6 for details)
6		1	Jib Counterbalance Valve and Fittings Installation(See Sec. 6.3.7 for details)
7	215020000029	8	Screw M8×40-10.9-DKL GB/T 70.1
8		1	Platform Duplex Valve and Fittings Installation(See Sec. 6.3.8 for details)
9	215020000019	4	Screw M6×55-A2-70 GB/T 70.1
10	105078053025	1	Sheath, cylinder (level, upper)
11	216020000022	1	Clamp, hose
12	216020000002	1	Clamp, hose
13	213010000139	10	Coupler
14	216010003001	2	Clamp
15	215010000006	1	Bolt M8×80-8.8-ZnD GB/T 5782
16	215030000108	1	Nut M8-8-ZnD GB/T 6183.1
17	103005050008	1	Bellow, cylinder
18	216020000003	1	Clamp
19	216020000009	1	Hose clamp
20	105045050006	1	luffing cylinder sheath
21	216020000012	1	Hose clamp
22	216990003028	1	Clamp
23	104008050010	1	Hook, tube
24	215010000245	1	Bolt M10×16-8.8-ZnD GB/T 5789

6.3.2 LIFT COUNTERBALANCE VALVE AND FITTINGS INSTALLATION



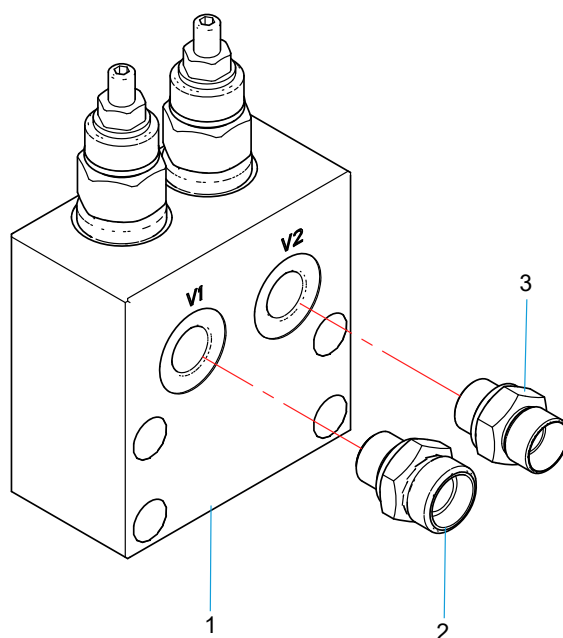
No.	Part No.	Qty.	Description
1	202040003657	1	Lift Counterbalance Valve(See Sec. 6.3.3 for details)
2	213010000038	1	Coupler
3	213010000125	1	Fitting

6.3.3 LIFT COUNTERBALANCE VALVE (PN.202040003657)



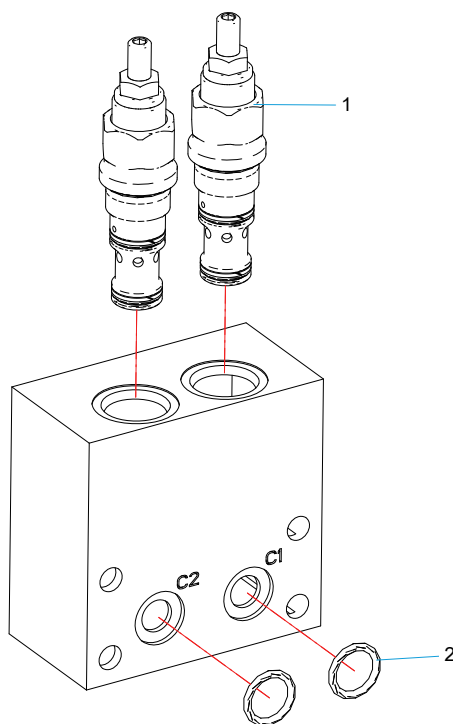
No.	Part No.	Qty.	Description
2	202040003644	1	Counterbalance valve
3	202990003810	1	Counterbalance valve
4	202130003017	2	Damper
7	207060003005	2	O-ring

6.3.4 TELESCOPING COUNTERBALANCE VALVE AND FITTINGS INSTALLATION



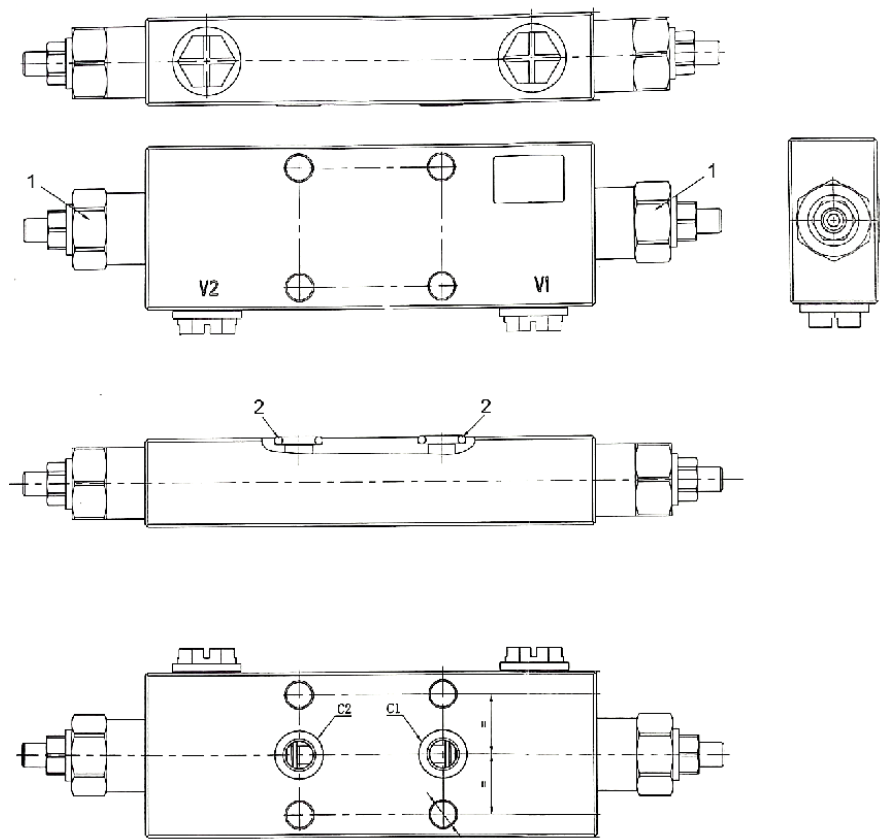
No.	Part No.	Qty.	Description
1	202040003869	1	Telescoping Counterbalance Valve(See Sec. 6.3.5 for details)
2	213010000003	1	Coupler
3	213010000005	1	Coupler

6.3.5 TELESCOPING COUNTERBALANCE VALVE (PN.202040003869)



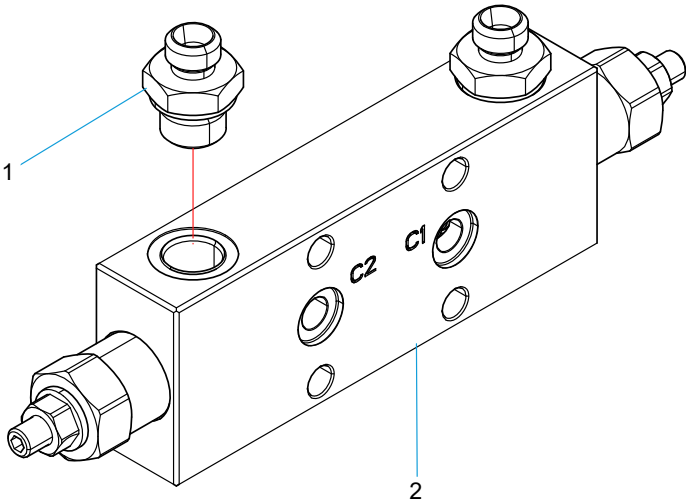
No.	Part No.	Qty.	Description
1	202990000162	2	Valve,counterbalance
2	202990000052	2	O-ring

6.3.6 2-WAY COUNTERBALANCE VALVE (PN.202040003614)



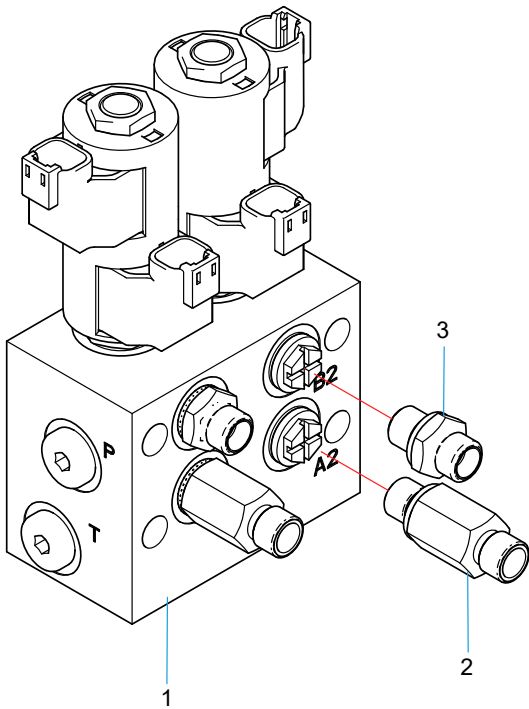
No.	Part No.	Qty.	Description
1	202040003644	2	Counterbalance valve
2	207040003049	2	O-ring

6.3.7 JIB COUNTERBALANCE VALVE AND FITTINGS INSTALLATION



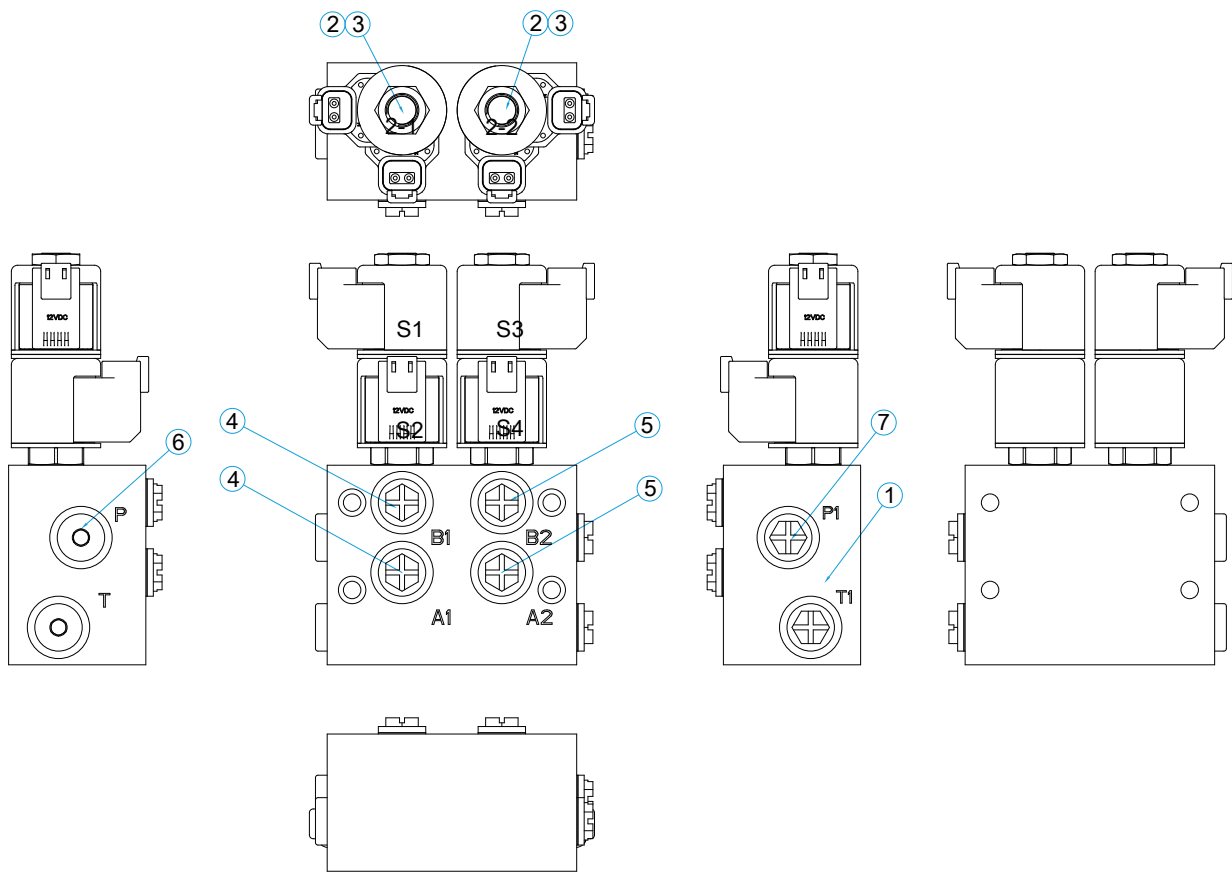
No.	Part No.	Qty.	Description
1	213010000047	2	Fitting
2	202040003614	1	2-way Counterbalance Valve (See Sec. 6.3.6 for details)

6.3.8 PLATFORM DUPLEX VALVE AND FITTINGS INSTALLATION



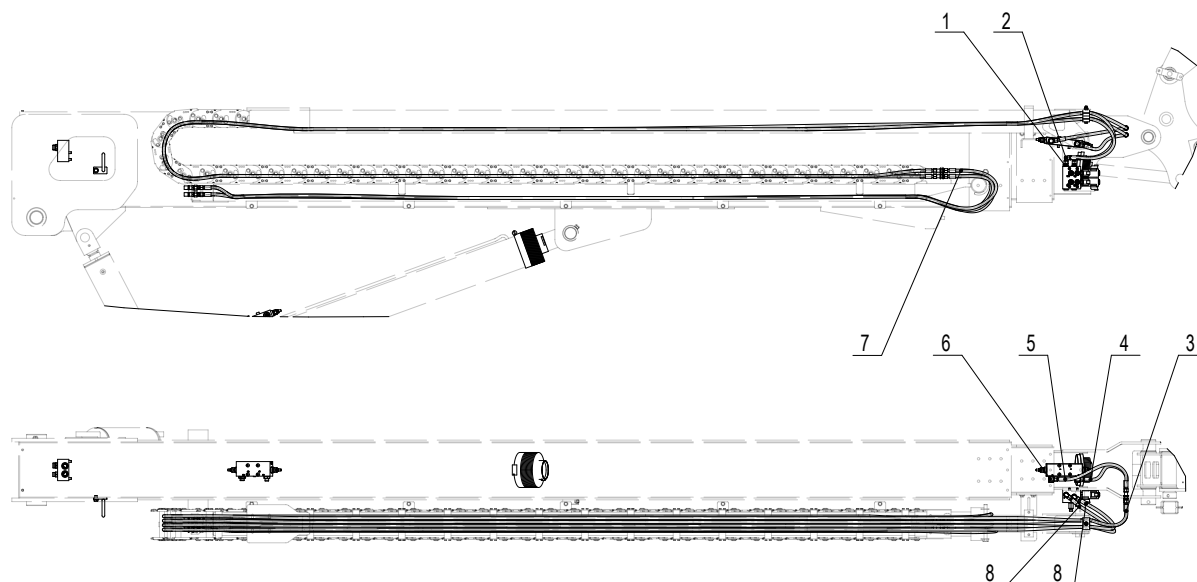
No.	Part No.	Qty.	Description
1	202040003871	1	Platform duplex valve(See Sec. 6.3.9 for details)
2	105030050010	2	Fitting, heightened
3	213010000007	2	Fitting

6.3.9 PLATFORM DUPLEX VALVE (PN.202040003871)



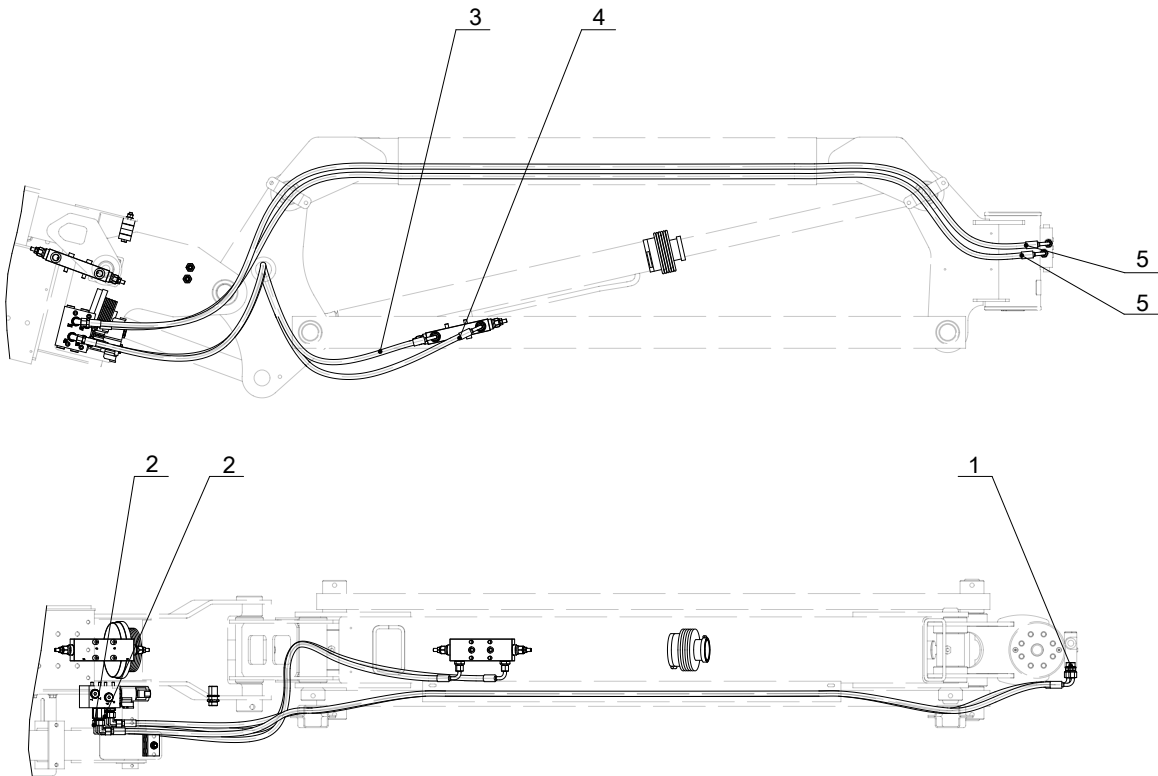
No.	Part No.	Qty.	Description
2	202990004050	2	Valve,telescope counterbalance
3	202990003624	4	Coil
4	202130000008	2	Damper plug
5	202130000001	2	Damper

6.3.10 BOOM TUBES LAYOUT



No.	Part No.	Qty.	Description
1	213010000007	2	Fitting
2	213010000024	2	Coupler
3	213050013149	2	Hose
4	213050008467	1	Hose
5	213050003127	1	Hose
6	213010003029	2	Coupler
7	213050012277	4	Hose
8	213050008858	2	Hose

6.3.11 PIPE LAYOUT DRAWING OF JIB BOOM



No.	Part No.	Qty.	Description
1	213010000013	2	Coupler
2	213010000024	4	Coupler
3	213050008353	1	Hose
4	213050003096	1	Hose
5	213050008344	2	Hose

7 ELECTRICAL SYSTEM OPTIONS

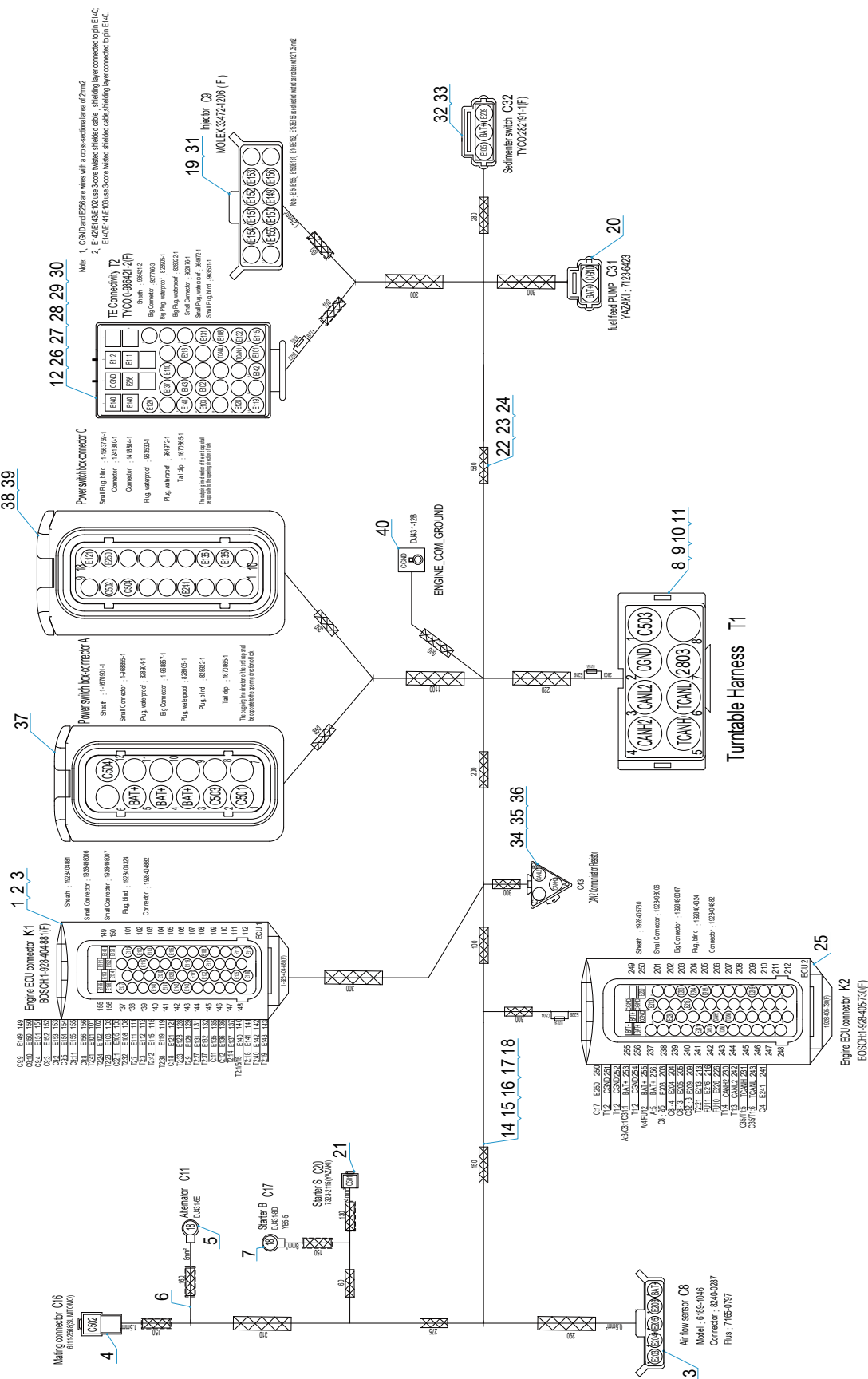
7.1 ELECTRICAL SYSTEM (REXROTH)

7.1.1 ENGINE ELECTRICAL SYSTEM

7.1.1.1 ENGINE ELECTRICAL SYSTEM

No.	Part No.	Qty.	Description
1		1	OPT,harness (engine)
1-1	105084063097	1	Harness, engine (Kubota EPA 4)(See Sec. 7.1.1.2 for details)

7.1.1.2 HARNESS, ENGINE (KUBOTA EPA 4) (PN.105084063097)



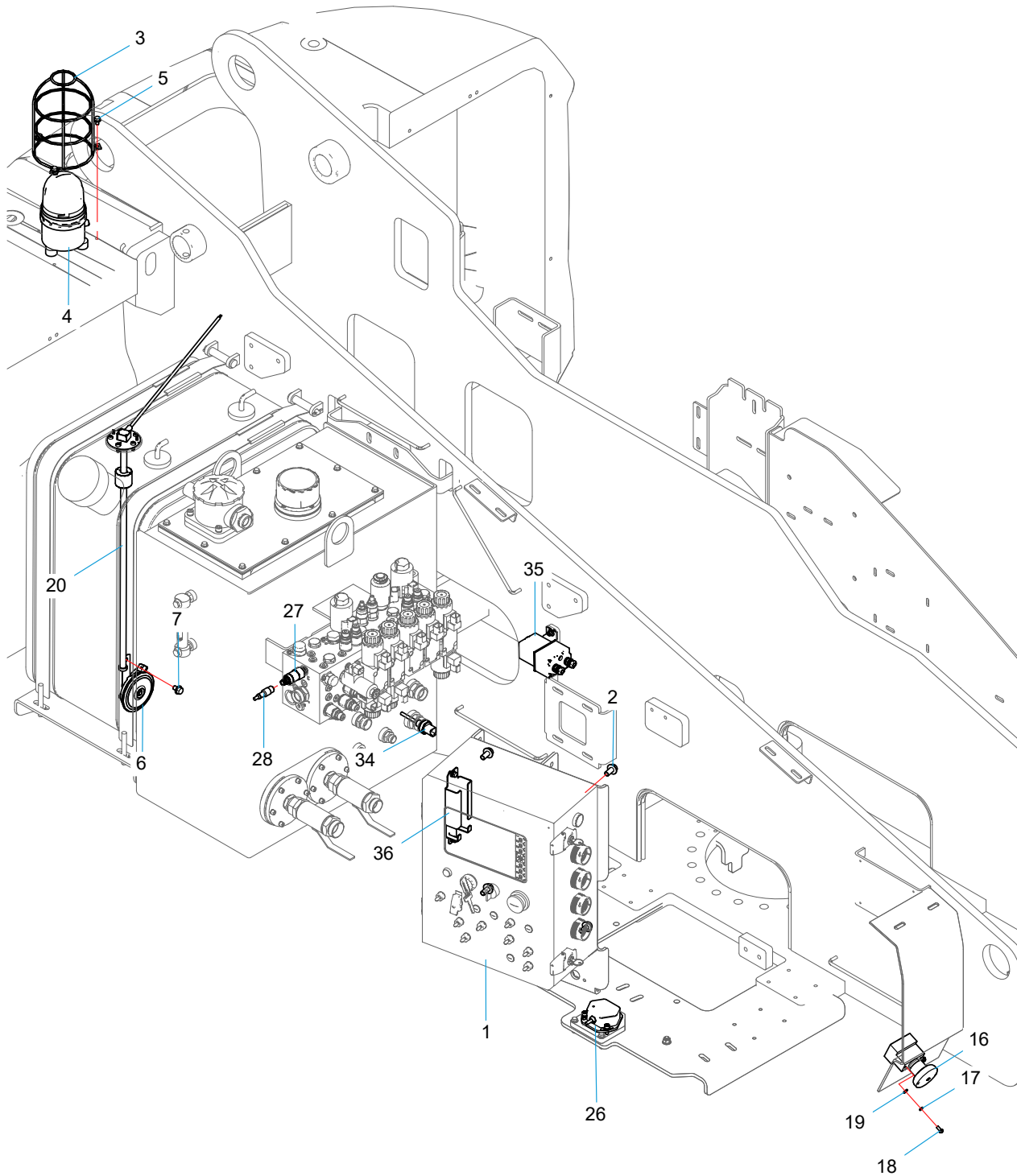
No.	Part No.	Qty.	Description
1	203080004082	31	Terminal
2	203080004083	15	Terminal
3	203080004080	2	clip
4	203080004097	1	Sheath
5	203080004098	1	Terminal,ring tongue
6	203080003044	4	Wire
7	203080003363	1	Ring tongue terminal
8	203080000413	1	Sheath
9	203080000126	1	Lock
10	203080000033	1	Male connector
11	203080000068	5	Blind plug
12	203080004087	6	Terminal
13	203080004095	1	Sheath
14	203080003092	3	Cable
15	203080000582	4	Wire
16	203080003207	15	Cable
17	203080000369	3	Cable
18	203080000372	10	Cable
19	203080004085	8	Terminal
20	203080004094	1	Sheath
21	203080004096	1	Sheath
22	203080000037	5	Corrugated pipe
23	203080003288	3	Corrugated pipe
24	203080003290	2	Corrugated pipe
25	203080004081	2	Cap
26	203080004088	18	Terminal
27	203080004090	6	Hose,waterproof
28	203080004089	18	Hose,waterproof
29	203080004091	4	Plug
30	203080004092	14	Plug
31	203080004086	4	Plug
32	203080003349	3	Terminal, small
33	203080003109	1	Waterproof hose
34	203080000405	1	Sheath
35	203080004379	1	Lock
36	203080000086	1	Connector
37	203080003773	1	Connector
38	203080003845	1	Connector
39	203080000041	13	Female connector
40	203080000699	1	Terminal, blade-hole type

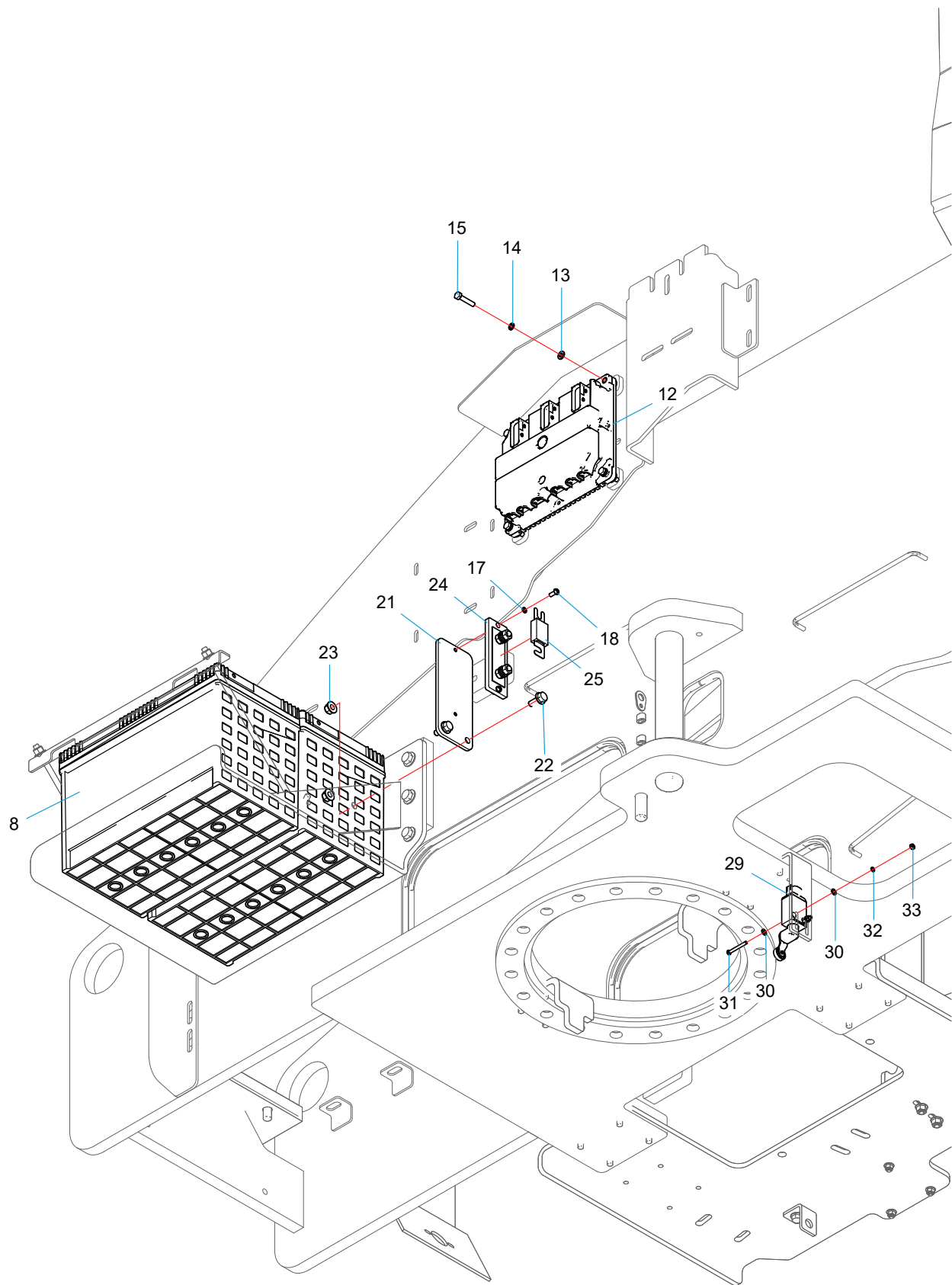
7.1.2 TURNTABLE ELECTRICAL SYSTEM

7.1.2.1 TURNTABLE ELECTRICAL SYSTEM

No.	Part No.	Qty.	Description
1		1	Turntable Electrical Components Installation Options
1-1		1	Turntable Electrical Components Installation(See Sec. 7.1.2.2 for details)
2		1	OPT, harness(turntable)
2-1	105084063095	1	Turntable Harness(See Sec. 7.1.2.11 for details)
3		1	OPT ,ELEC wiring DIAG (power harness)
3-1	105084063098	1	Electrical Power Wiring Layout(See Sec. 7.1.2.12 for details)

7.1.2.2 TURNTABLE ELECTRICAL COMPONENTS INSTALLATION





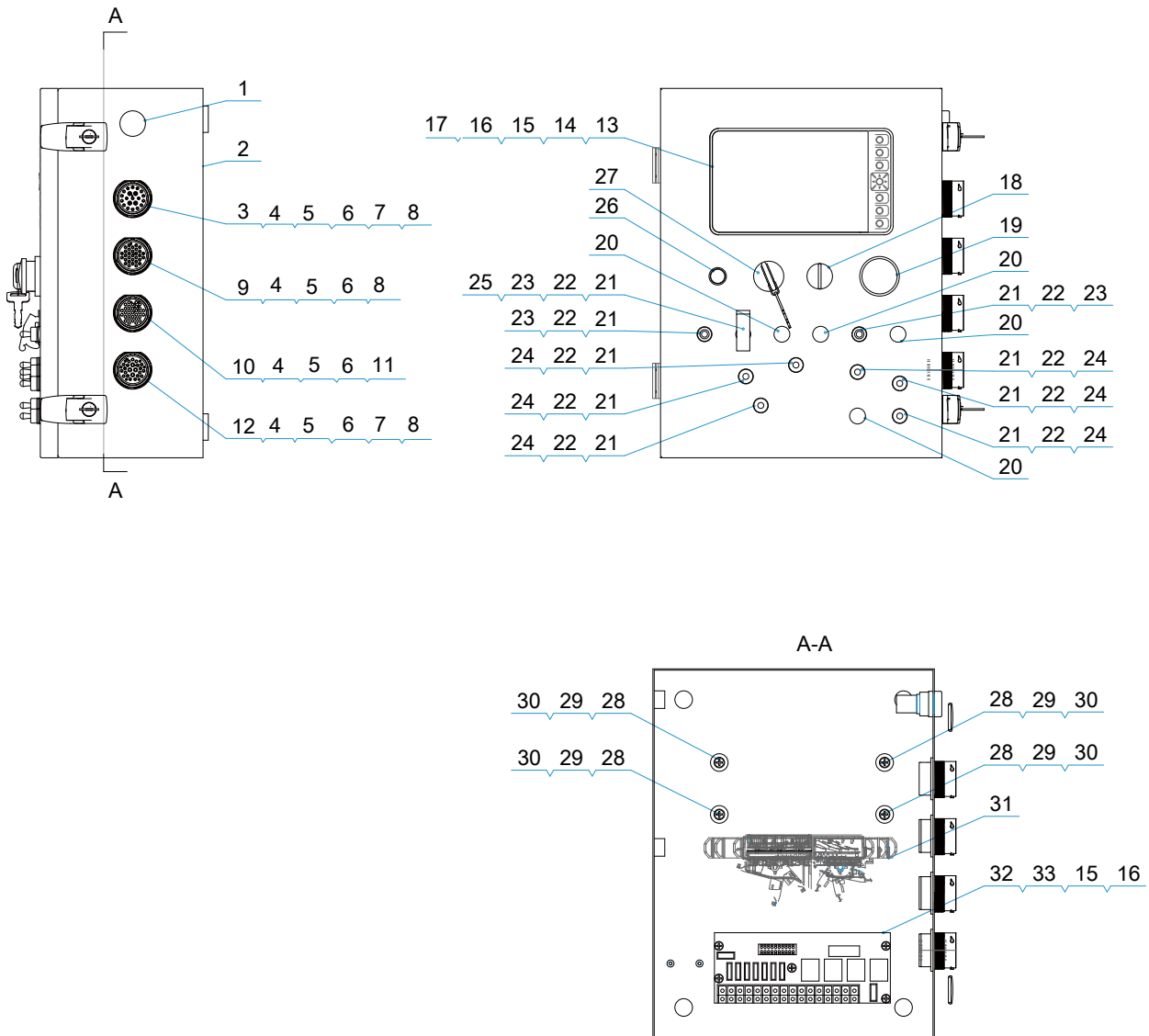
No.	Part No.	Qty.	Description
1		1	Turntable Controller Assembly Options
1-1		1	Control box ASSY turntable(oversea factory)(See Sec. 7.1.2.3 for details)
2	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
3	105021060024	1	Guard, light (warning)
4		1	Caution Light Options
4-1	203050000070	1	Light, caution
5	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
6		1	Horn Options
6-1	203050000034	1	Horn
7	215010000233	1	Bolt M8×12-8.8-ZnD GB/T 5789
8		2	OPT, battery(maintenance-free)
8-1	203100003158	1	Maintenance-free battery (BF-100Ah)
8-2	203100003337	1	Battery, maintenance-free (LTH-100Ah)
9	203080000250	2	Connector, battery (positive and negative in pairs) (Not Shown)
10	203100000051	2	Sheath, flexible (L, black)
11	203100000053	2	Sheath, flexible (L, red)
12		1	OPT, box (power switch)
12-1	203100003241	1	Power Switch Box
12-1a	203070003019	1	Fuse (150A)
12-1b	203070003020	1	Fuse (200A)
12-1c	203070003022	2	Fuse (50A)
13	215040000033	4	Washer 6-A2 GB/T 97.1
14	215040000004	4	Washer 6-A2-70 GB/T 93
15	215010000053	4	Bolt M6×30-A2-70 GB/T 5783
16		1	Power Switch Options
16-1	203060000024	1	Power switch
17	215040000003	4	Washer 5-A2-70 GB/T 93
18	215020000110	4	Screw M5×12-A2-70 GB/T 818
19	215040000032	2	Washer 5-A2 GB/T 97.1
20		1	Single-tube Level Sensor (Optional)
20-1	203150003112	1	Single-tube level sensor
21	105030020001	1	Plate
22	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
23	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
24	203070000056	1	Fuse holder
25		1	Fuse (Optional)
25-1	203070003047	1	Fuse (250A)
26		1	OPT, INST(sensor level)
26-1		1	Level Sensor Installation (DL)(See Sec. 7.1.2.7 for details)
26-2		1	Level Sensor Installation (AX)(See Sec. 7.1.2.8 for details)
27		1	Pressure Sensor Options
27-1	203150000055	1	Sensor, pressure (1 and 2 are interchanged)

No.	Part No.	Qty.	Description
27-2	203150003078	1	Pressure sensor (2 and 1 are interchanged)
28	203080003094	1	Plug with cable
29		1	OPT, switch (travel)
29-1	203060000146	1	Switch, travel (SND)
30	215040000031	4	Washer 4-A2 GB/T 97.1
31	215020000212	2	Screw M4×35-A2-70 GB/T 818
32	215040000002	2	Washer 4-A2-70 GB/T 93
33	215030000002	2	Nut M4-8-A2-70 GB/T 6170
34		1	OPT, sensor (temperature)
34-1	203150000072	1	Temperature sensor
35		1	Charger Installation Options
35-1		1	Contactor Installation (MSD)(See Sec. 7.1.2.9 for details)
36		1	GPS Installation Options
36-1		1	GPS Installation (Track unit)(See Sec. 7.1.2.10 for details)

7.1.2.3 CONTROL BOX ASSY TURNTABLE(OVERSEA FACTORY)

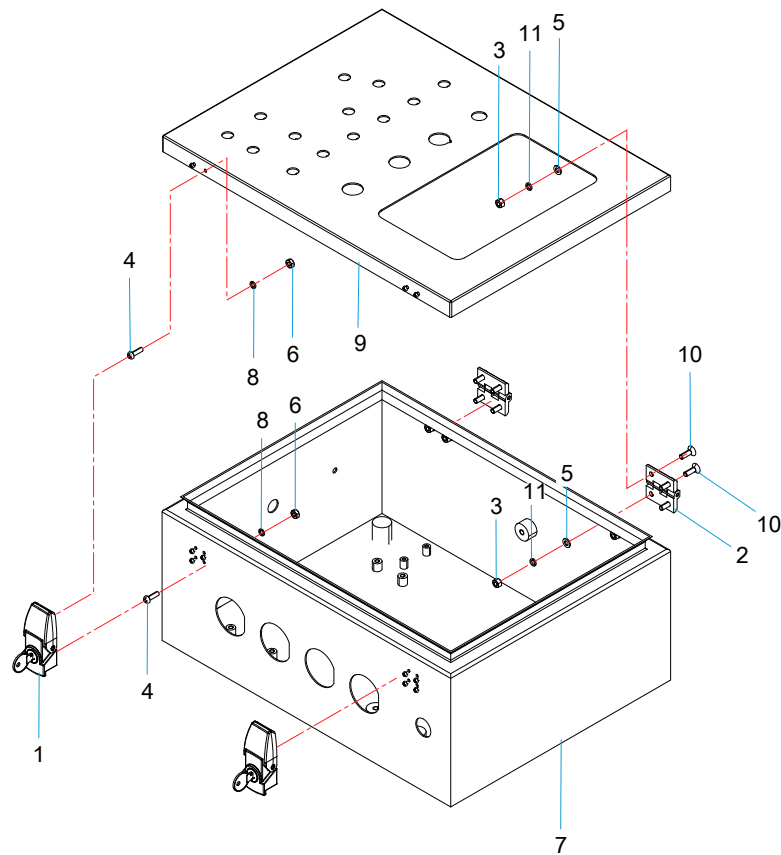
No.	Part No.	Qty.	Description
1	105084063179	1	Turntable Controller Assembly (without controller)(See Sec. 7.1.2.4 for details)
2	203020000038	1	Controller

7.1.2.4 TURNTABLE CONTROLLER ASSEMBLY (WITHOUT CONTROLLER) (PN.105084063179)



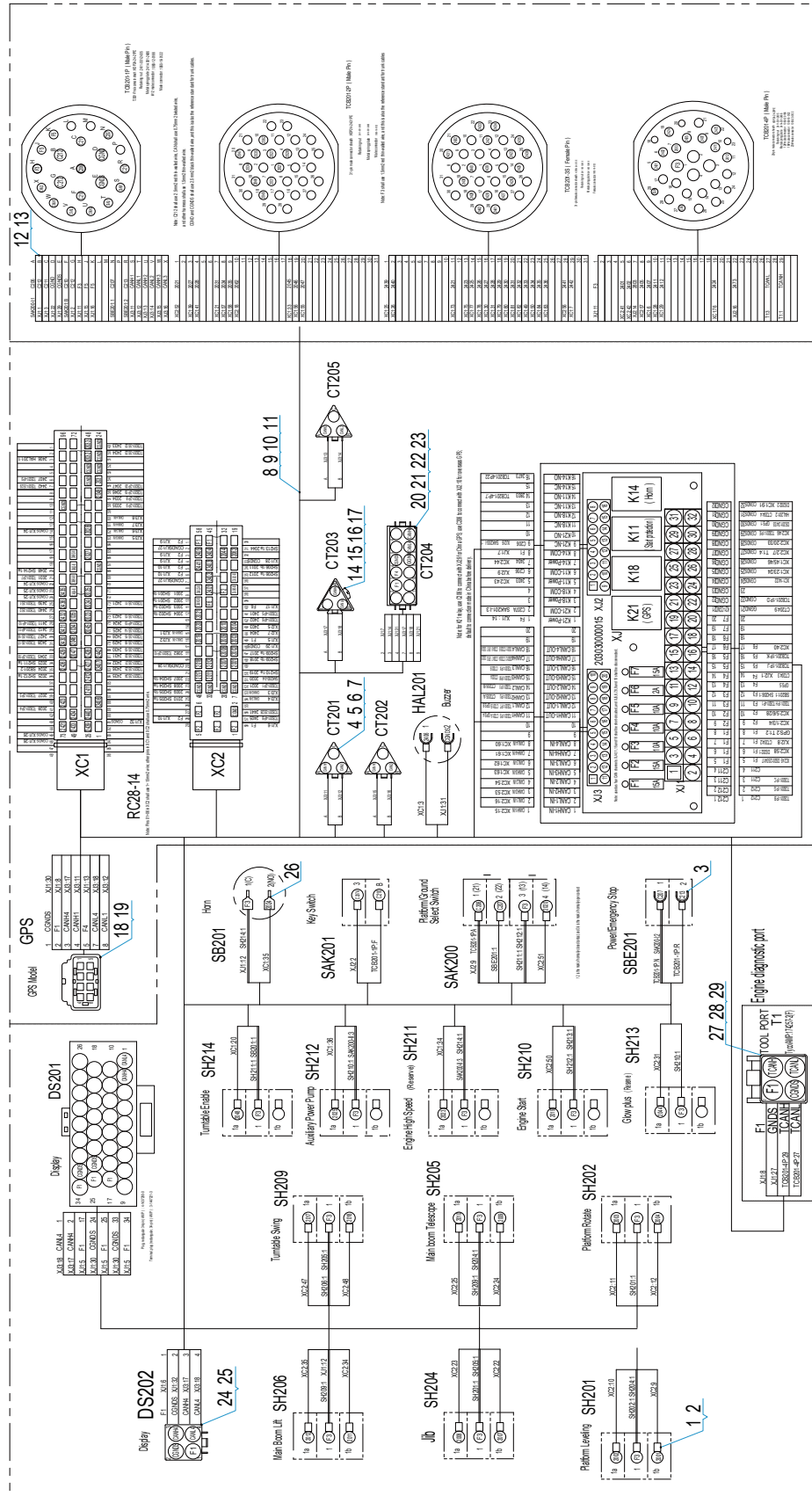
No.	Part No.	Qty.	Description
1	203050003021	1	Buzzer
2	114025060021	1	Turntable Controller(See Sec. 7.1.2.5 for details)
3	203080000518	1	21-pin male terminal sheath
4	203060000098	3	Metal spring plate
5	203060000101	3	Retaining nut
6	203080000068	23	Blind plug
7	203060000103	4	#12 male connector
8	203080000033	36	Male connector
9	203080000523	1	31-pin male connector sheath
10	203080000516	1	31-pin female connector sheath
11	203080000041	19	Female connector
12	203080003730	1	29-pin male terminal sheath
13	203200003013	1	Screen, display
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-7I0A
18	203060000029	1	Selector switch
19	203060000142	1	Switch, emergency stop
20	105045060004	4	Controller plug
21	203080000109	9	Nut
22	203080000101	9	Waterproof cap
23	203060000021	3	Toggle switch
24	203060000003	6	Toggle switch
25	203060000150	1	Toggle switch guard
26	203060000020	1	Button
27	203060000114	1	Key switch
28	215020000118	4	Screw M6×25-A2-70 GB/T 818
29	215040000004	4	Washer 6-A2-70 GB/T 93
30	215040000033	4	Washer 6-A2 GB/T 97.1
31	203080000378	1	Connector, controller
32	203030000015	1	Relay integration board
33	215020000110	5	Screw M5×12-A2-70 GB/T 818
34	105025063005	1	PC film, control box (turntable) (Not Shown)
35	105070063003	1	Surface film, control box (turntable) (Not Shown)
36	105084063089	1	Turntable Controller Harness (Not Shown)(See Sec. 7.1.2.6 for details)

7.1.2.5 TURNTABLE CONTROLLER (PN.114025060021)



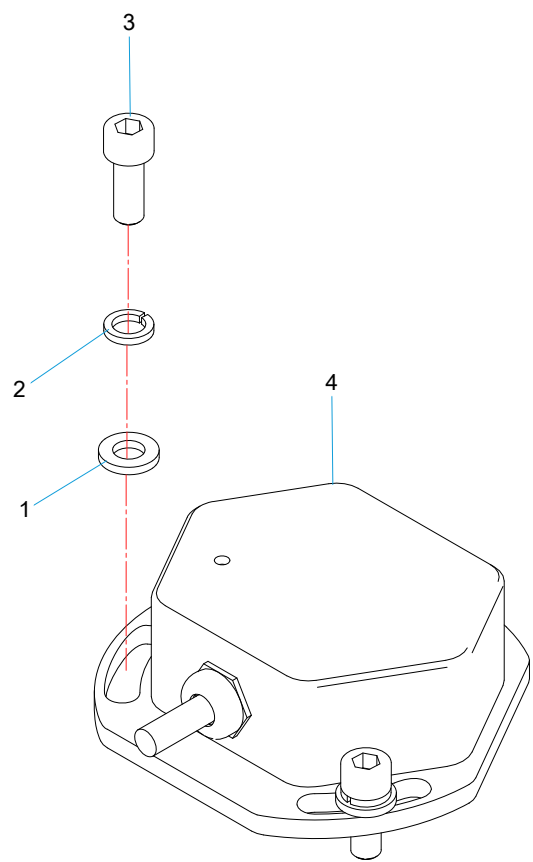
No.	Part No.	Qty.	Description
1	203090003006	2	Latch
2	203090003005	2	Hinge
3	215030000003	8	Nut M5-A2-70 GB/T 6170
4	215020000100	12	Screw M3×10-A2-70 GB/T 818
5	215040000032	8	Washer 5-A2 GB/T 97.1
6	215030000001	12	Nut M3-A2-70 GB/T 6170
7	104029060003	1	Base ASSY, control box (turntable)
8	215040000001	12	Washer 3-A2-70 GB/T 93
9	113001063017	1	Panel ASSY, control box (turntable)
10	215020000264	8	Screw M5×16-A2-70 GB/T70.3
11	215040000003	8	Washer 5-A2-70 GB/T 93

7.1.2.6 TURNTABLE CONTROLLER HARNESS (PN.105084063089)



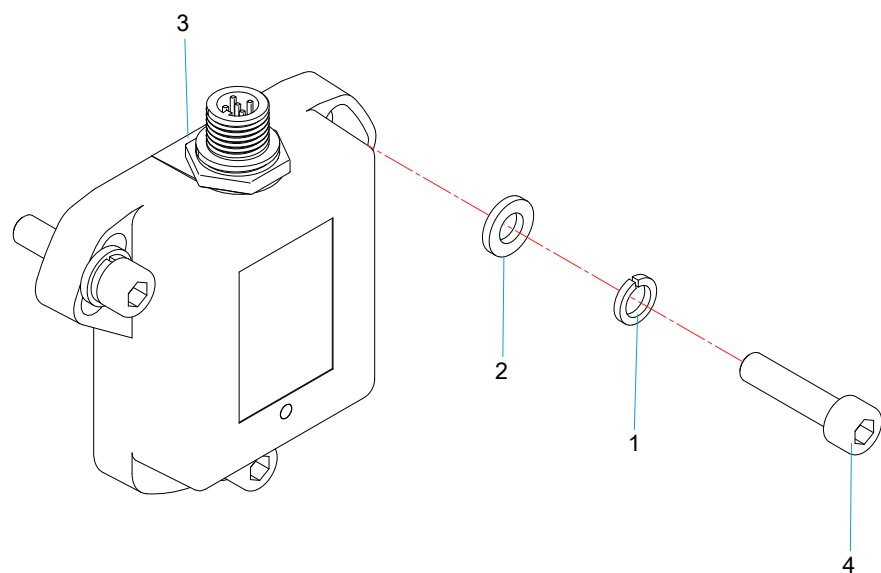
No.	Part No.	Qty.	Description
1	203080000036	36	Cold-pressed terminal
2	203080000022	1	Heat shrink tube
3	203080000023	4	Ring tongue terminal
4	203080000041	8	Female connector
5	203080000068	9	Blind plug
6	203080000032	4	Lock
7	203080000404	4	Sheath
8	203080000564	15	Thin-wall wire
9	203080000562	5	Thin-wall 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	203080004379	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
26	203080003543	2	Terminal, tubular (pre-insulated)
27	203080003245	1	Terminal
28	203080003103	1	Waterproof hose
29	203080004084	1	Sheath

7.1.2.7 LEVEL SENSOR INSTALLATION (DL)



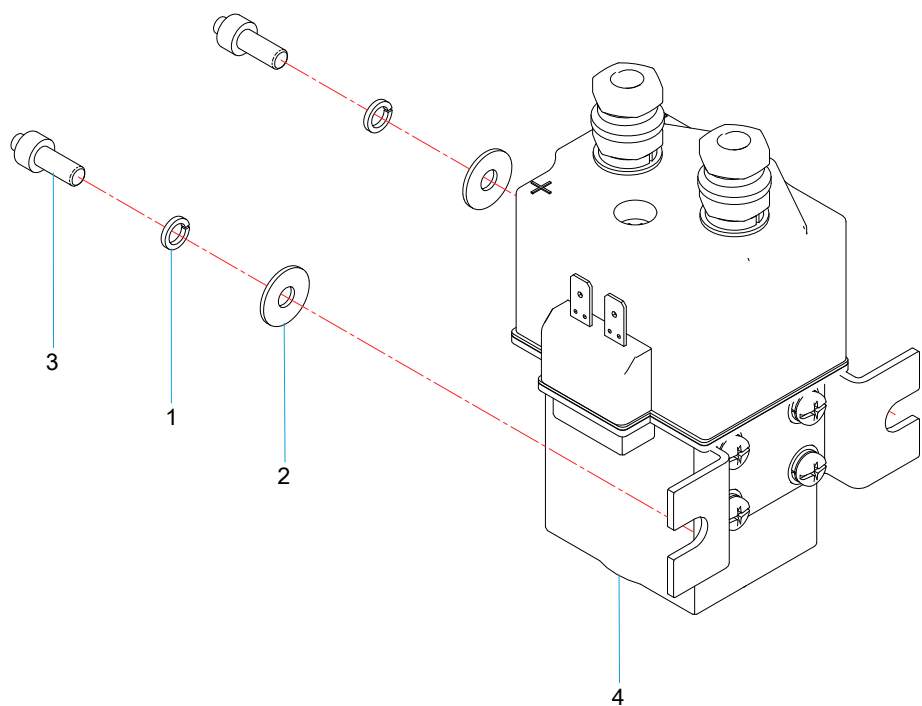
No.	Part No.	Qty.	Description
1	215040000033	3	Washer 6-A2 GB/T 97.1
2	215040000004	3	Washer 6-A2-70 GB/T 93
3	215020000011	3	Screw M6×16-A2-70 GB/T 70.1
4	203990003045	1	Angle sensor

7.1.2.8 LEVEL SENSOR INSTALLATION (AX)



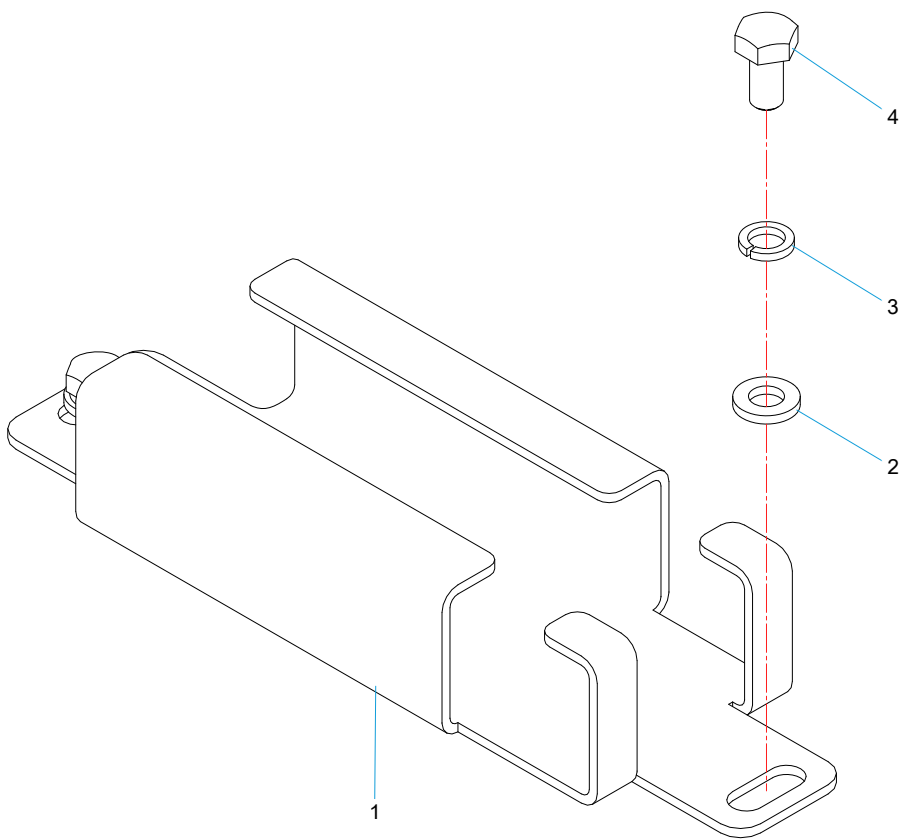
No.	Part No.	Qty.	Description
1	215040000004	3	Washer 6-A2-70 GB/T 93
2	215040000033	3	Washer 6-A2 GB/T 97.1
3	203150003084	1	Angle sensor
4	215020000013	3	Screw M6×25-A2-70 GB/T 70.1

7.1.2.9 CONTACTOR INSTALLATION (MSD)



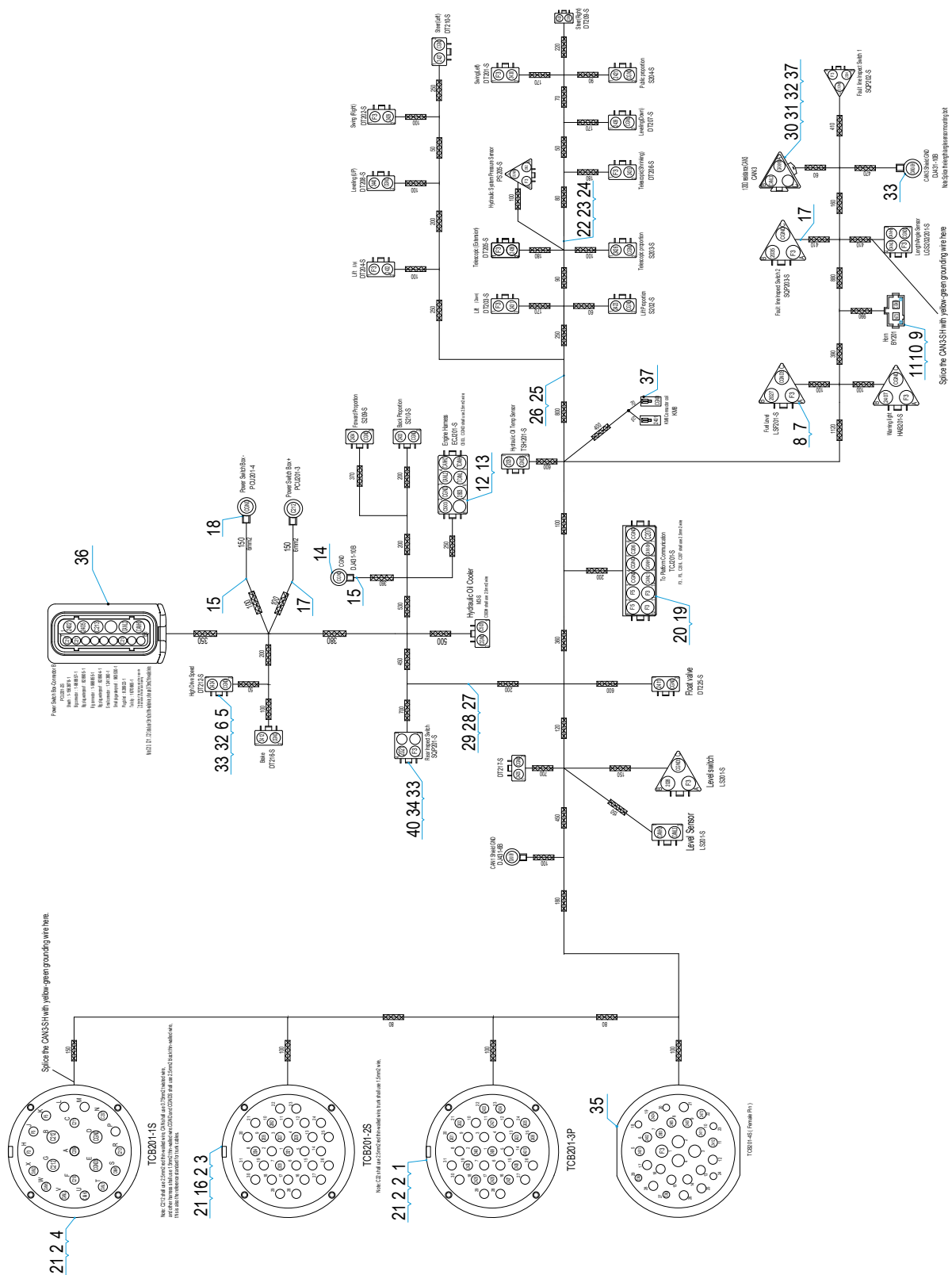
No.	Part No.	Qty.	Description
1	215040000003	2	Washer 5-A2-70 GB/T 93
2	215040000132	2	Washer 5-200HV-A2 GT/B 96.1
3	215020000006	2	Screw M5×12-A2-70 GB/T 70.1
4	203040003002	1	Contactor

7.1.2.10 GPS INSTALLATION (TRACK UNIT)



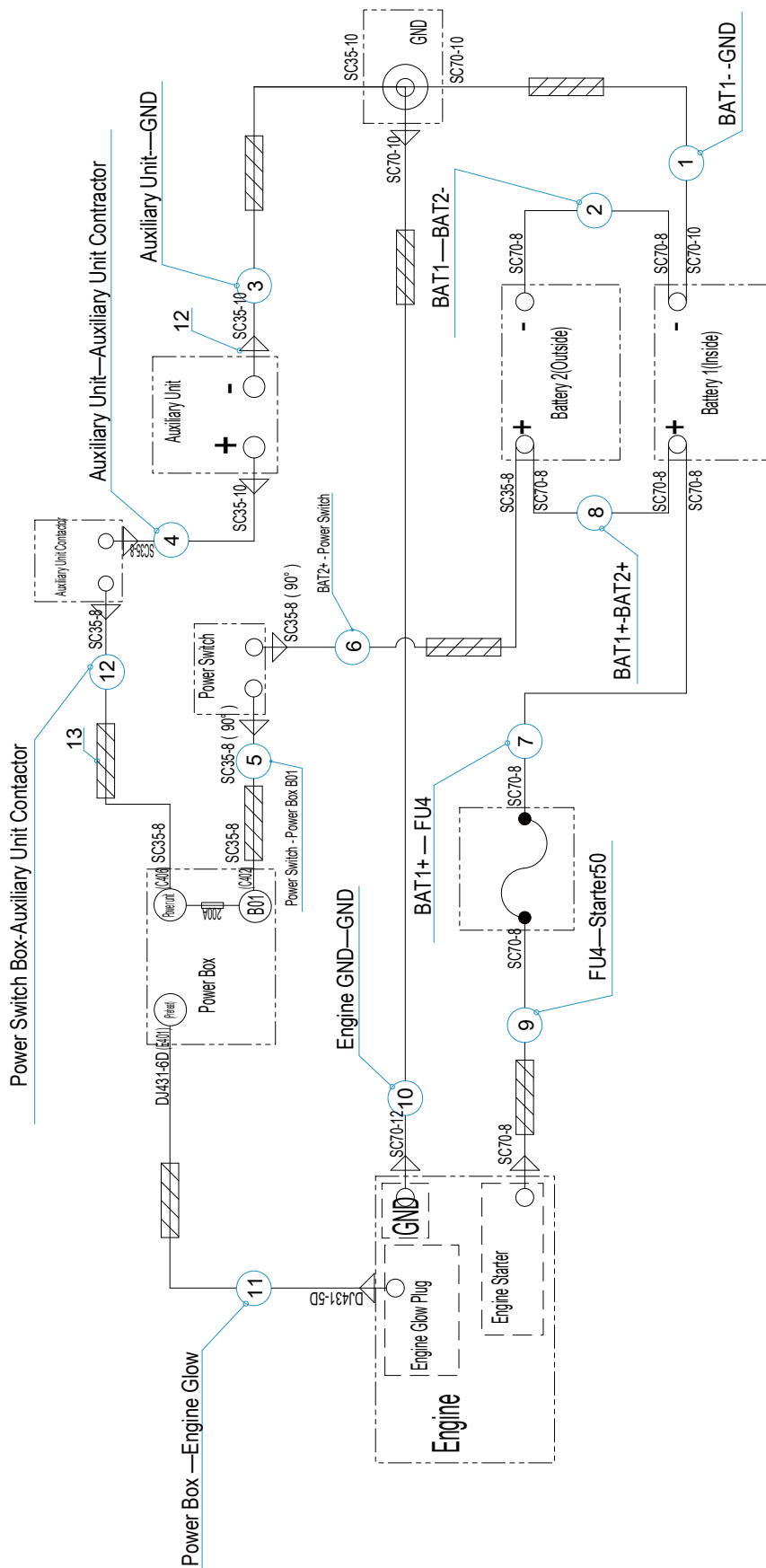
No.	Part No.	Qty.	Description
1	105071020002	1	Plate
2	215040000033	2	Washer 6-A2 GB/T 97.1
3	215040000004	2	Washer 6-A2-70 GB/T 93
4	215010000049	2	Bolt M6×12-A2-70 GB/T 5783

7.1.2.11 TURNTABLE HARNESS (PN.105084063095)



No.	Part No.	Qty.	Description
1	203080000515	1	31-pin male sheath
2	203080000033	19	Male connector
3	203080000520	1	31-pin female terminal sheath
4	203080000517	1	21-pin female terminal sheath
5	203080000410	20	Sheath
6	203080000016	20	Lock
7	203080000404	6	Sheath
8	203080000032	6	Lock
9	203080000427	1	Sheath
10	203080000428	1	Female pin
11	203080000429	1	Waterproof cap
12	203080000406	2	Sheath
13	203080000112	2	Lock
14	203080000124	1	Terminal, blade-hole type
15	203080000191	3	Cable
16	203080000041	137	Female connector
17	203080000161	1	Cable
18	203080000133	2	Terminal, blade-hole type
19	203080000414	1	Sheath
20	203080000159	1	Lock
21	203080000068	36	Blind plug
22	203080003289	6	Corrugated pipe
23	203080003288	4	Corrugated pipe
24	203080003287	2	Corrugated pipe
25	203080003286	1	Corrugated pipe
26	203080003285	1	Corrugated pipe
27	203080000564	150	Thin-wall wire
28	203080000563	60	Thin-wall wire
29	203080000562	40	Thin-wall wire
30	203080000405	1	Sheath
31	203080000046	1	Lock
32	203080000086	1	Connector
33	203080000044	3	Sheath
34	203080000020	3	Lock
35	203080000085	1	Blind plug
36	203080003846	2	Connector
37	203080000130	1	Terminal

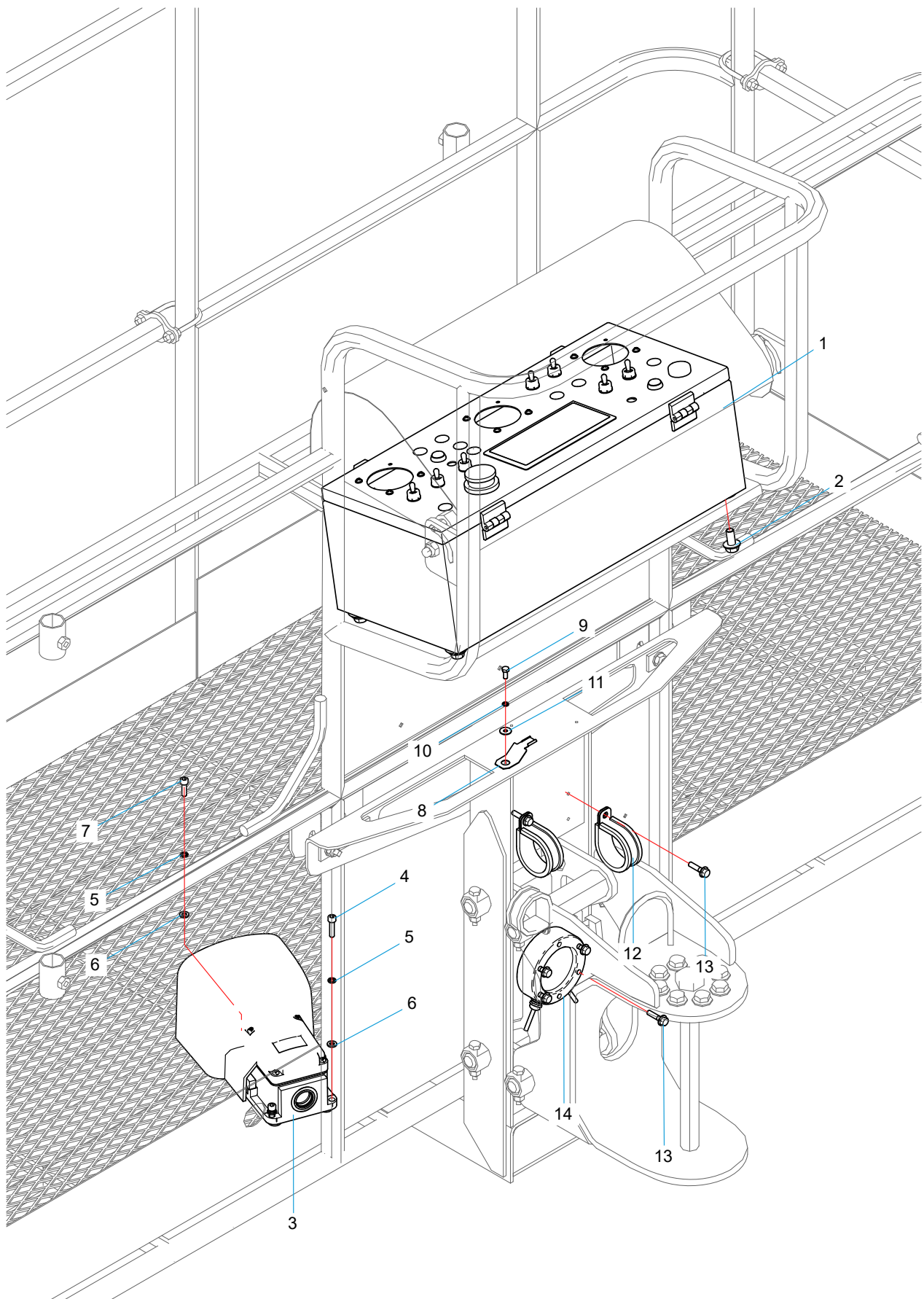
7.1.2.12 ELECTRICAL POWER WIRING LAYOUT (PN.105084063098)

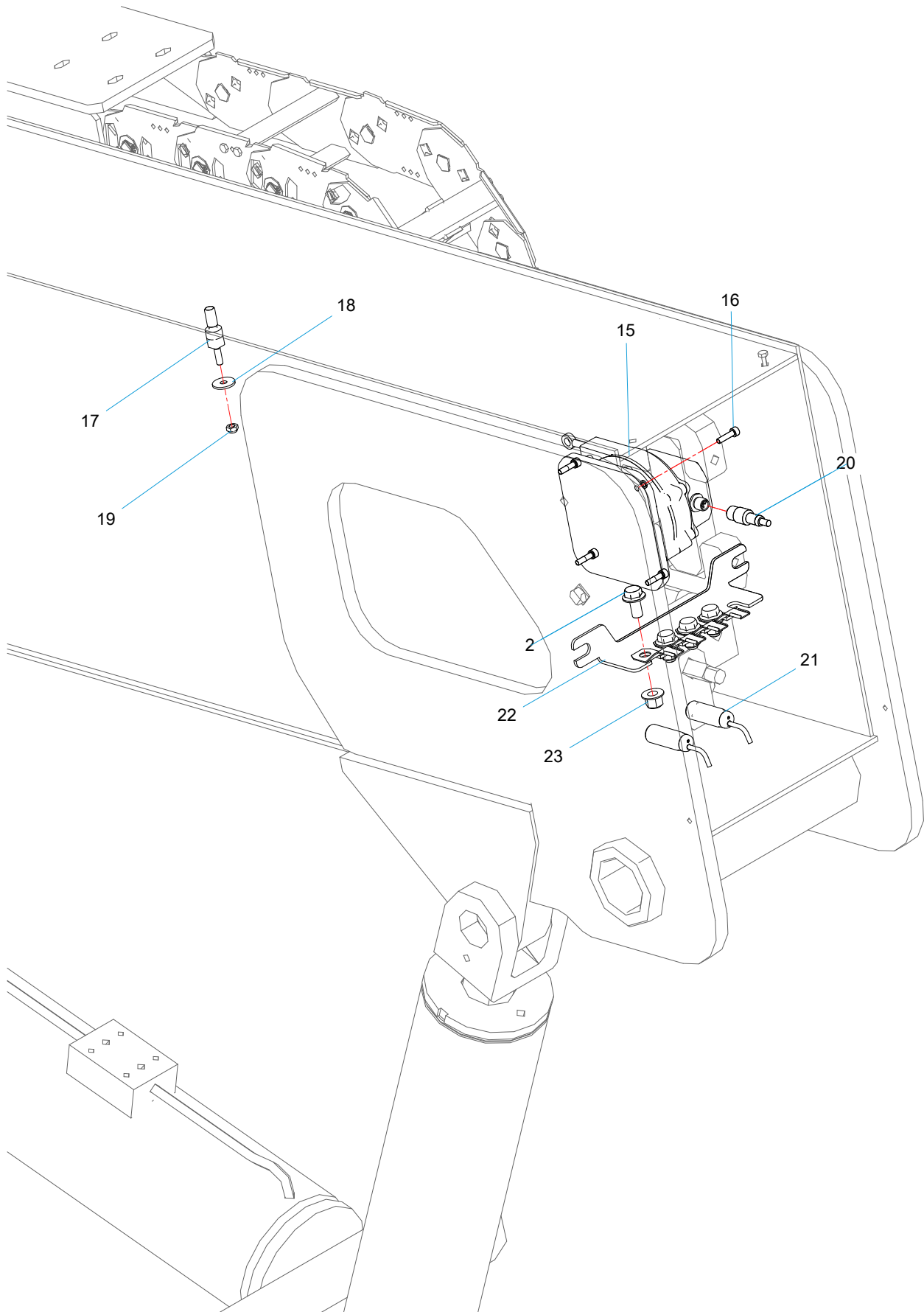


No.	Part No.	Qty.	Description
1	203230000511	1	Power line
2	203230000364	1	Power line
3	203230000960	1	Power line
4	203230003424	1	Power line
5	203230000147	1	Cable, power
6	203230000135	1	Cable, power
7	203230000962	1	Power line
8	203230000404	1	Power line
9	203230000544	1	Power line
10	203230003456	1	Power line
11	203230003651	1	Cable, power
12	203230000568	1	Power line
13	203080000422	16	Nylon hose, closed-end
14	203080000004	10	PVC sheath

7.1.3 BOOM ELECTRICAL SYSTEM

7.1.3.1 BOOM ELECTRICAL COMPONENTS INSTALLATION



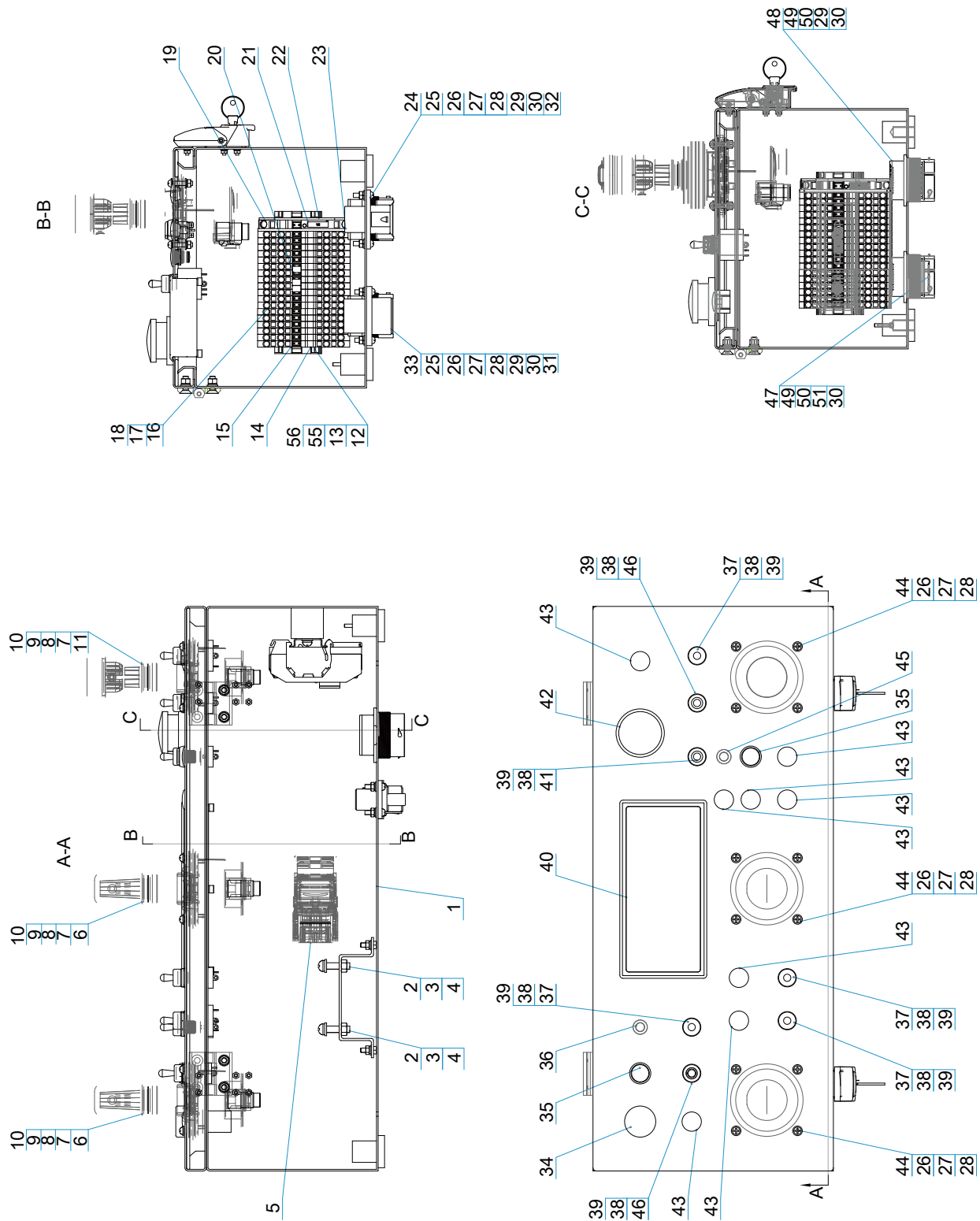


No.	Part No.	Qty.	Description
1		1	Platform Controller Assembly Options
1-1		1	Control box ASSY platform(oversea factory)(See Sec. 7.1.3.2 for details)
2	215010000237	8	Bolt M10×20-8.8-ZnD GB/T 5789
3		1	Foot Switch Options
3-1	203060000009	1	Heavy-duty foot switch
3-2	203060003146	1	Foot Switch
4	215020000013	1	Screw M6×25-A2-70 GB/T 70.1
5	215040000004	3	Washer 6-A2-70 GB/T 93
6	215040000033	3	Washer 6-A2 GB/T 97.1
7	215020000012	2	Screw M6×20-A2-70 GB/T 70.1
8	203080000525	5	Fixture, metal (Deutsch)
9	215010000041	1	Bolt M5×12-A2-70 GB/T 5783
10	215040000003	5	Washer 5-A2-70 GB/T 93
11	215040000132	1	Washer 5-200HV-A2 GT/B 96.1
12	216020000025	2	Ring, fixing (SSG)
13	215010000232	6	Bolt M6×25-8.8-ZnD GB/T 5789
14		1	Load Sensor Options
14-1	203150000070	1	Load sensor (Interchangeable with 2)
14-2	203150003038	1	Load sensor (Interchangeable with 1)
15		1	Long-angle integrated sensor (optional)
15-1	203150003024	1	Dual-channel length and angle sensor
16	215020000008	4	Screw M5×20-A2-70 GB/T 70.1
17	105001060075	1	Thread rod, for length sensor
18	215040000129	1	Washer 6-A2-70 GB/T 5287
19	215030000025	1	Nut M6-8-A2-70 GB/T 889.1
20	203080003104	1	Plug with cable
21		2	OPT, switch (proximity)
21-1	203150003010	1	Proximity switch
22	105074013077	1	Bracket
23	215030000109	4	Nut M10-8-ZnD GB/T 6183.1

7.1.3.2 CONTROL BOX ASSY PLATFORM(OVERSEA FACTORY)

No.	Part No.	Qty.	Description
1	105084063210	1	Platform Controller Assembly (without controller)(See Sec. 7.1.3.3 for details)
2	203020000038	1	Controller

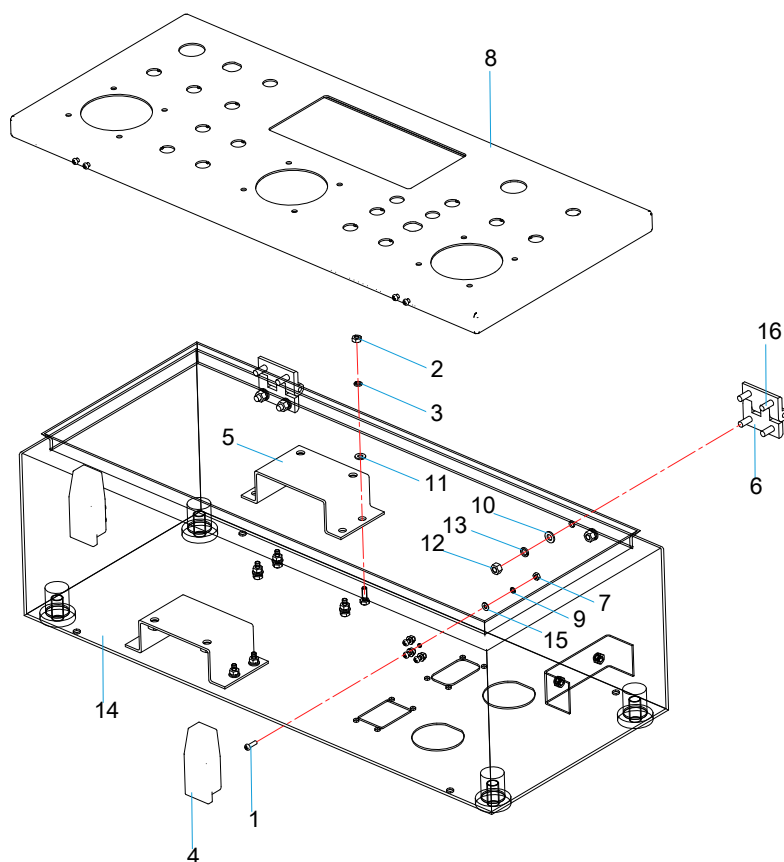
7.1.3.3 PLATFORM CONTROLLER ASSEMBLY (WITHOUT CONTROLLER) (PN.105084063210)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform Controller (See Sec. 7.1.3.4 for details)
2	215020000118	4	Screw M6×25-A2-70 GB/T 818
3	215040000004	4	Washer 6-A2-70 GB/T 93
4	215040000033	4	Washer 6-A2 GB/T 97.1
5	203080000378	1	Connector, controller
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	49	Blind plug
31	203080000157	1	Lock
32	203080000126	1	Lock
33	203060000090	1	12-pin male connector sheath, with flange
34	203050003021	1	Buzzer
35	203060000020	2	Button
36	203050003014	1	Indicator light
37	203060000003	4	Toggle switch
38	203080000109	7	Nut
39	203080000101	7	Waterproof cap
40	203200003002	1	Gauge
41	203060000035	1	Toggle switch
42	203060000142	1	Switch, emergency stop
43	105045060004	8	Controller plug

No.	Part No.	Qty.	Description
44	215020000107	12	Screw M4×20-A2-70 GB/T 818
45	203050003015	1	Indicator light
46	203060000021	2	Toggle switch
47	203080000516	1	31-pin female connector sheath
48	203080000523	1	31-pin male connector sheath
49	203060000098	2	Metal spring plate
50	203060000101	2	Retaining nut
51	203080000041	12	Female connector
52	105050063020	1	Surface film, control box (platform) (Not Shown)
53	105050063021	1	PC film, control box (platform) (Not Shown)
54	105067063027	1	Platform Controller Harness (Not Shown)(See Sec. 7.1.3.5 for details)
55	215040000003	2	Washer 5-A2-70 GB/T 93
56	215040000032	2	Washer 5-A2 GB/T 97.1

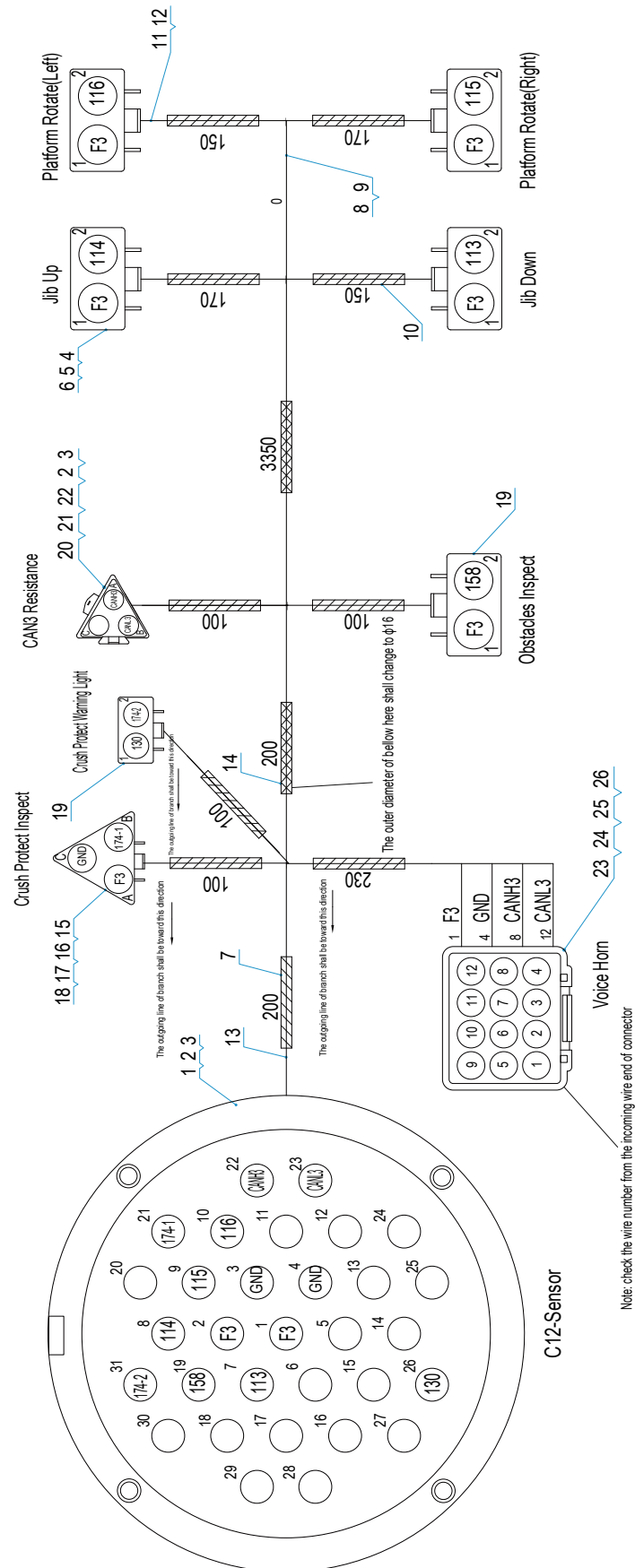
7.1.3.4 PLATFORM CONTROLLER (PN.105050063019)



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	203090003006	2	Latch
5	103006060005	2	Holder assembly
6	203090003005	2	Hinge
7	215030000001	12	Nut M3-A2-70 GB/T 6170
8	105050063017	1	Platform Control Box Panel Assembly
9	215040000001	12	Washer 3-A2-70 GB/T 93
10	2150400000032	8	Washer 5-A2 GB/T 97.1
11	2150400000031	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	2150400000030	12	Washer 3-A2 GB/T 97.1
16	215020000264	8	Screw M5×16-A2-70 GB/T70.3

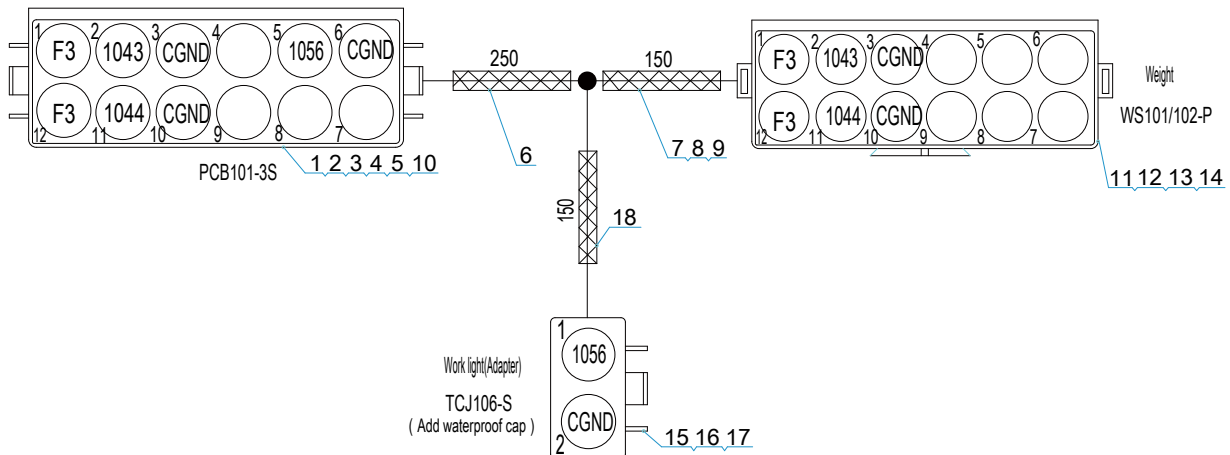
No.	Part No.	Qty.	Description
1	203080000023	27	Ring tongue terminal
2	203080000036	16	Cold-pressed terminal
3	203080000404	1	Sheath
4	203080000032	1	Lock
5	203080000041	6	Female connector
6	203080000473	1	Waterproof cover
7	203080000405	3	Sheath
8	203080004379	3	Lock
9	203080000033	6	Male connector
10	203080000068	4	Blind plug
11	203080000086	3	Connector
12	203080000562	5	Thin-wall wire
13	203080000563	7	Thin-wall wire
14	203080000564	15	Thin-wall wire
15	203080000044	1	Sheath
16	203080000020	1	Lock

7.1.3.6 PLATFORM HARNESS (PN.105050063001)



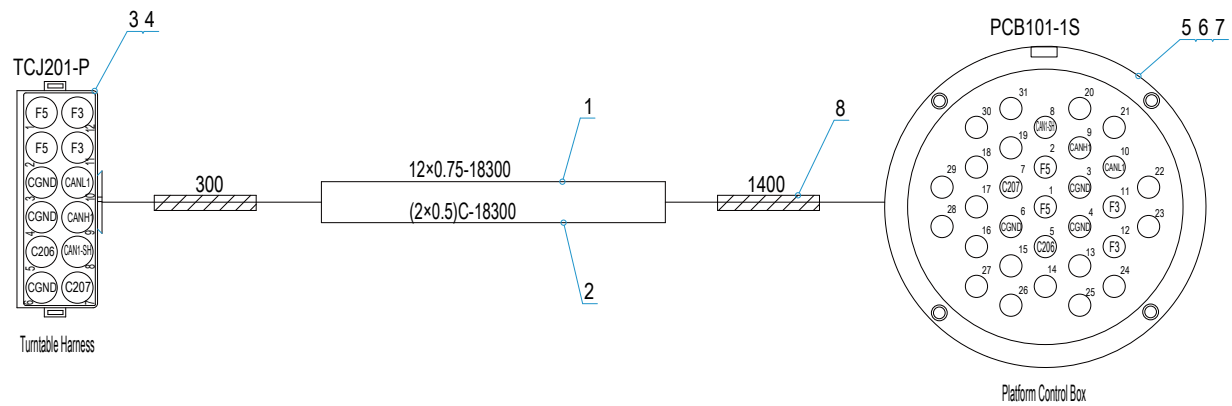
Note: check the wire number from the incoming wire end of connector

No.	Part No.	Qty.	Description
1	203080000515	1	31-pin male sheath
2	203080000068	24	Blind plug
3	203080000033	14	Male connector
4	203080000410	5	Sheath
5	203080000016	5	Lock
6	203080000041	13	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	5	End attachments, 2-pin, female
12	203080000448	5	Rubber part
13	203060000096	1	180 deg. end clip
14	203080003289	3	Corrugated pipe
15	203080000404	1	Sheath
16	203080000032	1	Lock
17	203080000508	1	End clip
18	203080000473	1	Waterproof cover
19	203080000474	1	Waterproof cover
20	203080000405	1	Sheath
21	203080000046	1	Lock
22	203080000086	1	Connector
23	203080003584	1	Sheath
24	203080003585	1	Terminal
25	203080003586	4	Seal Ring
26	203080003587	12	Blind Plugging



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

7.1.3.8 CABLE TRACK DIAGRAM (PN.105084063058)



No.	Part No.	Qty.	Description
1	203230003331	1	Drag chain cable
2	203230003330	1	Drag chain cable (CAN Bus)
3	203080000403	1	Sheath
4	203080000157	1	Lock
5	203080000520	1	31-pin female terminal sheath
6	203060000096	1	180 deg. end clip
7	203080000068	19	Blind plug
8	203080000419	2	Nylon hose, closed-end

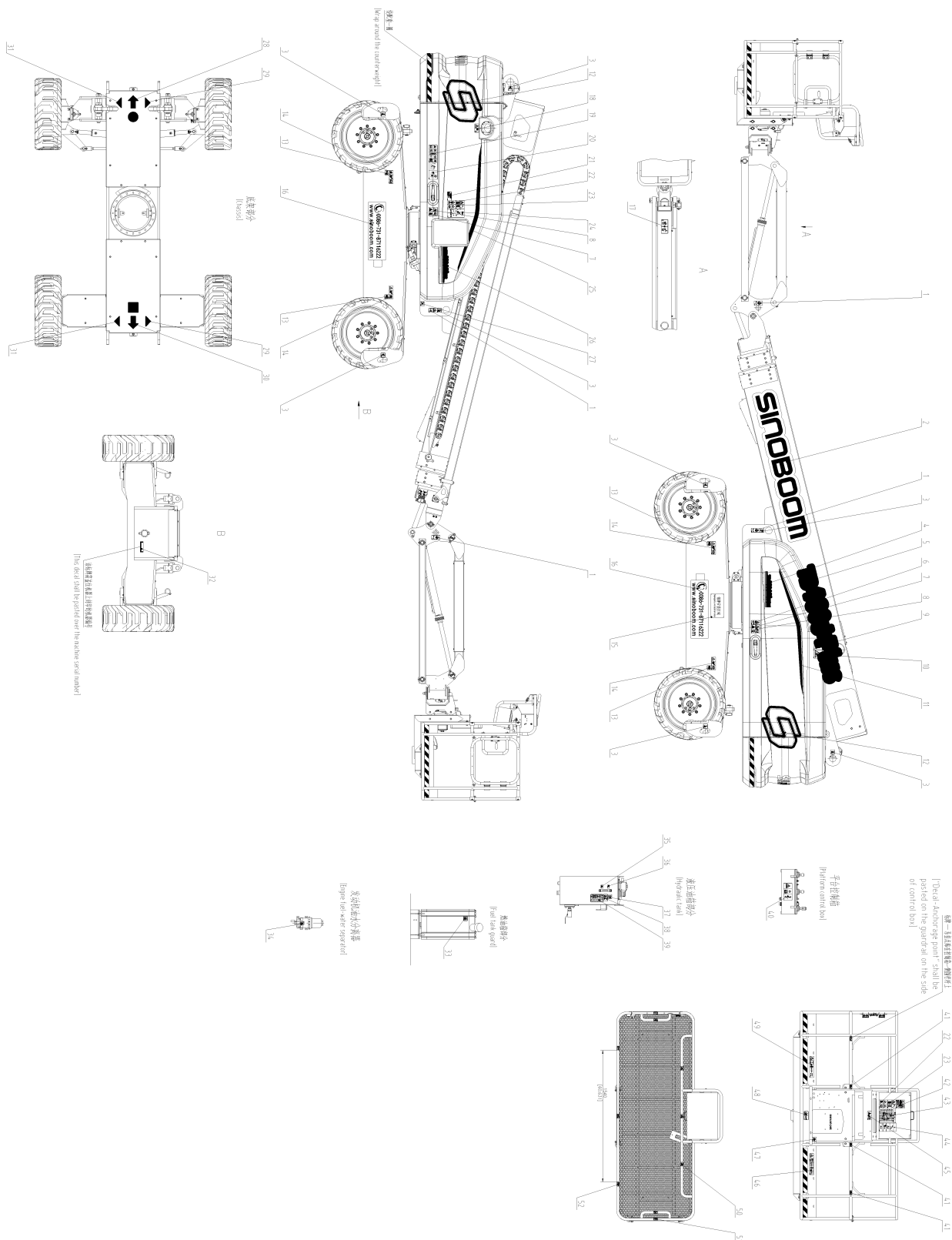
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8 DECALS&NAMEPLATE OPTIONS

8.1 DECALS&NAMEPLATE OPTIONS

No.	Part No.	Qty.	Description
1		1	Decals Options
1-1	105084100046	1	Decals, ANSI&CSA (Imperial, TB14J Plus)(See Sec. 8.2 for details)
2		1	Nameplate Options
2-1	103010103053	1	Nameplate, ANSI&CSA (Mexico, TB)

8.2 DECALS, ANSI&CSA (IMPERIAL, TB14J PLUS) (PN.105084100046)



No.	Part No.	Qty.	Description
1	114029100028	4	Decal, crush hazard
2	103010100035	1	LOGO-SINOBOOM (big)
3	114029100021	8	Decal, lifting points
4	105084100047	1	Decal-turntable cover (R, TB460J Plus)
5	105084100049	1	Decal-boom (TB460J Plus)
6	103010100028	1	Decal, explosion hazard
7	114029100020	2	Decal, bulkhead overhaul
8	114029100025	2	Decal, tipping hazard
9	103010100047	1	Decal, noise 104dB
10	103010100045	1	Decal, burn hazard
11	105084100041	1	Decal, styling (right turntable cover, TB14J Plus)
12	103010100031	2	LOGO symbol (handshake, medium)
13	114029100044	4	Decal, wheel load 5060kg
14	103010100013	4	Decal, tipping hazard
15	215050000012	4	Blind rivet 4×8-ZnD GB/T 12618.2
16	114011100003	2	Decal-Contact information
17	103010100012	1	Decal, fall hazard
18	103010100033	1	Decal, explosion hazard
19	103010100017	1	Decal, general safety
20	103010100018	1	Decal, maintenance warning
21	105060100014	1	Decal-Annual inspection
22	114029100035	2	Decal, tipping hazard
23	114029100024	2	Decal, electrocution hazard
24	114029100023	1	Decal, emergency down (TB)
25	105084100039	1	Decal, styling (left turntable cover, TB14J Plus)
26	105084100048	1	Decal-left turntable cover (TB460J Plus)
27	103010100002	1	Decal, emergency stop switch
28	103010100058	1	Decal, direction (forward,small)
29	103010100054	2	Decal, direction (turn right, small)
30	103010100057	1	Decal, direction (reverse, small)
31	103010100053	2	Decal, direction (turn left, small)
32	101014100032	1	Decal-Serial number
33	104023100009	1	Decal-Diesel fuels
34	104009100020	1	Decal-Fuel-water separator
35	104011100003	1	Decal-Hydraulic oil level
36	104011100010	1	Decal-Hydraulic oil level
37	114029100052	1	Decal, hydraulic oil
38	104010100021	1	Decal-Hydraulic oil temperature range
39	105084100019	1	Decal, hydraulic oil selection instructions
40	103010100004	1	Decal, tipping hazard
41	103010100062	4	Decal, lanyard anchorage points

No.	Part No.	Qty.	Description
42	103010100084	1	Decal, engine label (ANSI&CSA)
43	105084100005	1	Decal, working envelope DIAG (TB14J Plus)
44	103010100026	1	Decal-Operation instructions (TB)
45	103010100003	1	Decal, read manuals
46	103011100002	1	Decal, rated load 250/340/454kg
47	103010100010	1	Decal, footswitch
48	103010100009	1	Decal, crush hazard
49	103010100007	1	Decal, max allowable side force
50	103010100051	5	Decal, hand-hold position
51	103010100064	3	Decal, non-insulatedd
52	103010100006	2	Decal, crush hazard

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9 OPTIONS

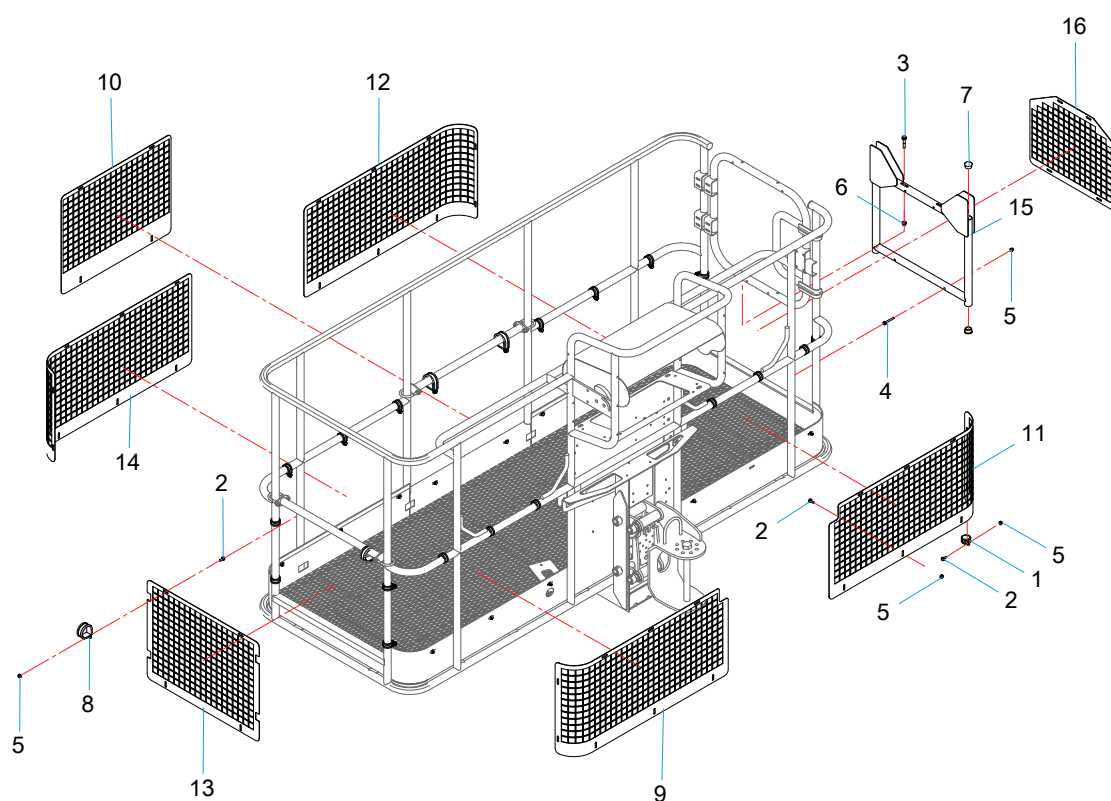
9.1 OPTIONS

No.	Part No.	Qty.	Description
1		1	General Options(See Sec. 9.2 for details)
2		1	AC Power Installation(See Sec. 9.15 for details)
3		1	Generator Options
3-1		1	Hydraulic Generator Installation (North America)(See Sec. 9.17 for details)
4		1	Cold-weather Heating Installation Options
4-1	105084190001	1	Cold-weather Heating Installation (Kubota) (Heating Package)(See Sec. 9.23 for details)
4-2	203990003068	1	Hydraulic tank electric heater
5		1	Oil Options(See Sec. 9.27 for details)

9.2 GENERAL OPTIONS

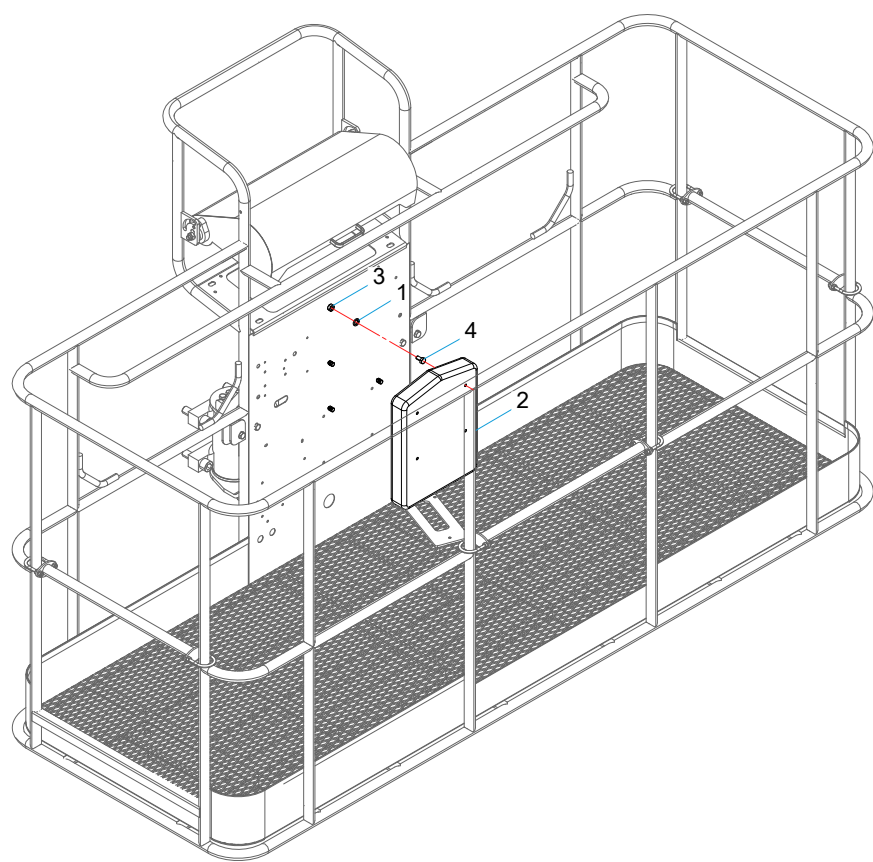
No.	Part No.	Qty.	Description
1		1	Half-height Mesh Installation Options
1-1	105064043033	1	Half-height guardrail installation(See Sec. 9.3 for details)
2	105017040003	1	Manual Storage Container Installation(See Sec. 9.4 for details)
3		1	Anti-pinch Hand Device Options
3-1	105068043071	1	Anti-pinch Hand Device(See Sec. 9.5 for details)
4		1	Overhead Protection Installation(See Sec. 9.6 for details)
5	105064043064	1	Tool Box Installation(See Sec. 9.7 for details)
6	105064043022	1	Glass Panel Bracket Installation(See Sec. 9.8 for details)
7		1	Secondary Guarding Installation Options
7-1	105070043057	1	Secondary Guarding Installation(See Sec. 9.9 for details)
8	114006040008	1	Pipe Rack Assembly(See Sec. 9.11 for details)
9	105017060065	1	Work Light Installation(See Sec. 9.12 for details)
10	105069170010	1	Platform attachment installation(See Sec. 9.14 for details)

9.3 HALF-HEIGHT GUARDRAIL INSTALLATION (PN.105064043033)



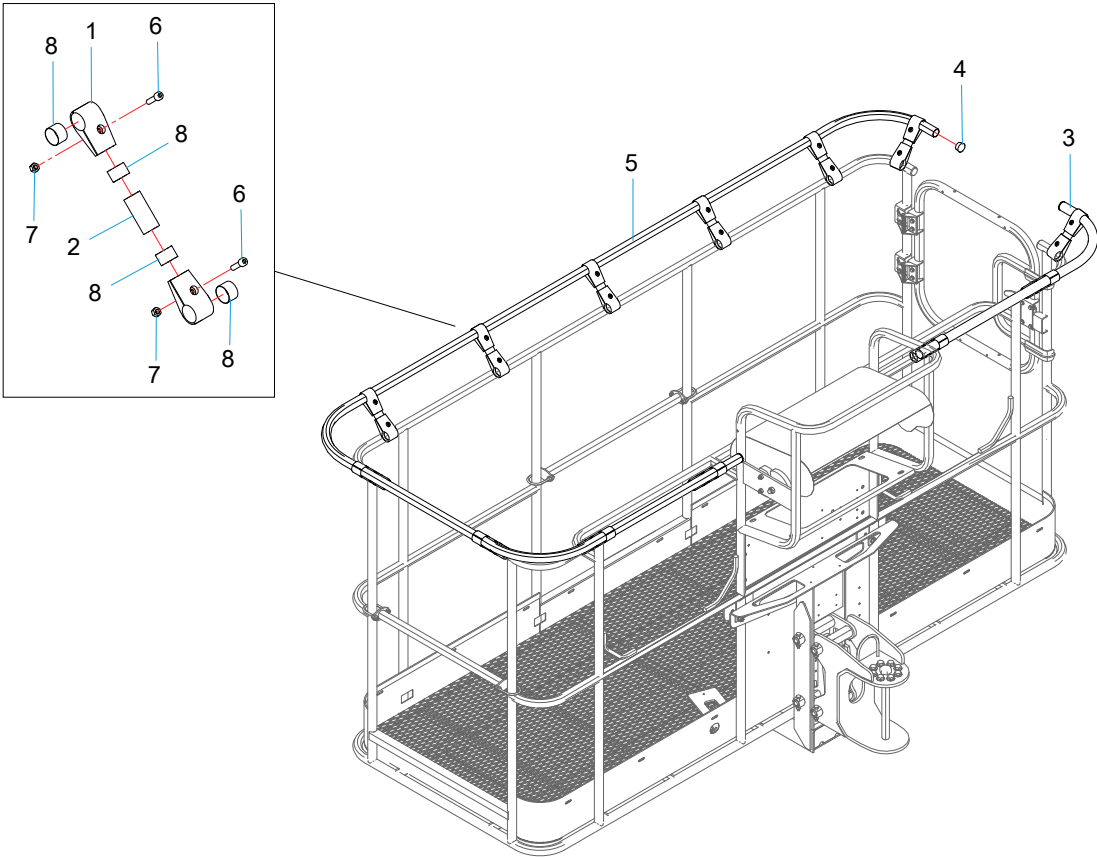
No.	Part No.	Qty.	Description
1	201051063041	20	Clamp
2	215010000230	42	Bolt M6×16-8.8-ZnD GB/T 5789
3	215010000257	2	Bolt M8×45-8.8-ZnD GB/T 5789
4	215010000283	2	Bolt M6×50-8.8-ZnD GB/T 5789
5	215030000107	44	Nut M6-A2-70 GB/T 6183.1
6	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
7	105064043177	4	Tube cap
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	Door frame weldment,lower
16	105064043107	1	Side coaming,lower

9.4 MANUAL STORAGE CONTAINER INSTALLATION
(PN.105017040003)



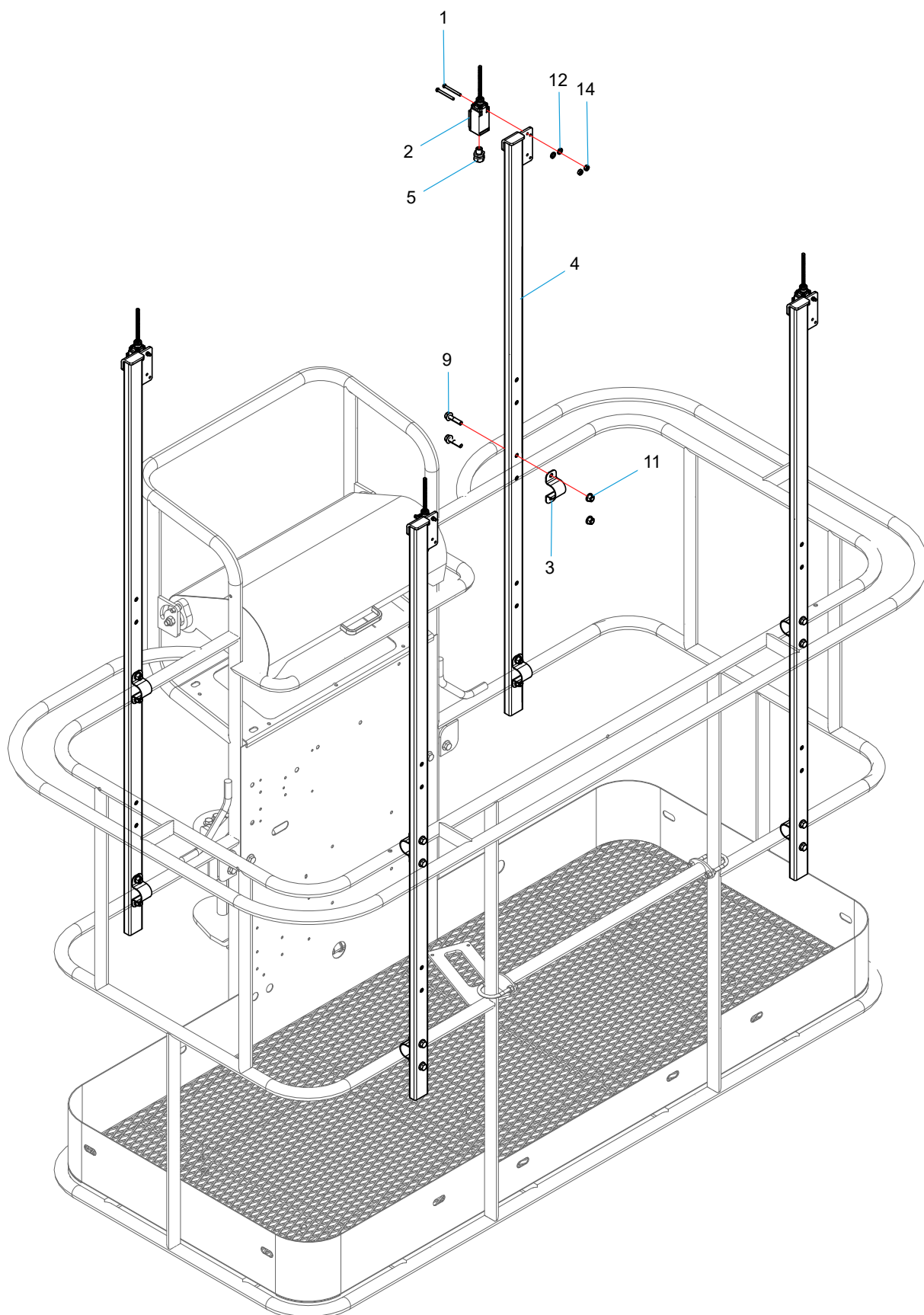
No.	Part No.	Qty.	Description
1	215040000004	4	Washer 6-A2-70 GB/T 93
2	216070000001	1	Manual storage container
3	215030000004	4	Nut M6-A2-70 GB/T 6170
4	215010000049	4	Bolt M6×12-A2-70 GB/T 5783

9.5 ANTI-PINCH HAND DEVICE (PN.105068043071)



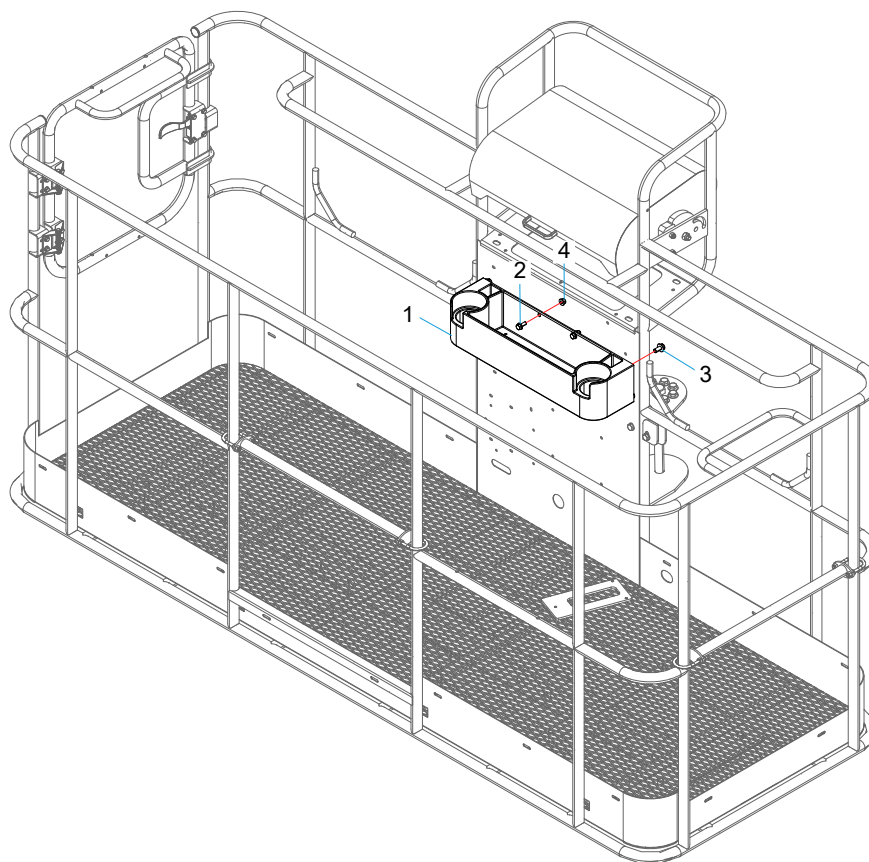
No.	Part No.	Qty.	Description
1	209990003022	26	T-pipe connector
2	105068043069	13	Steel tube
3	105068043068	1	Steel tube
4	105064043177	4	Tube cap
5	105068043070	1	Steel tube
6	215020000025	26	Screw M8×30-8.8-ZnD GB/T 70.1
7	215030000005	26	Nut M8-8-ZnD-GB/T 6170
8	216030003012	52	Rubber tube

9.6 OVERHEAD PROTECTION INSTALLATION



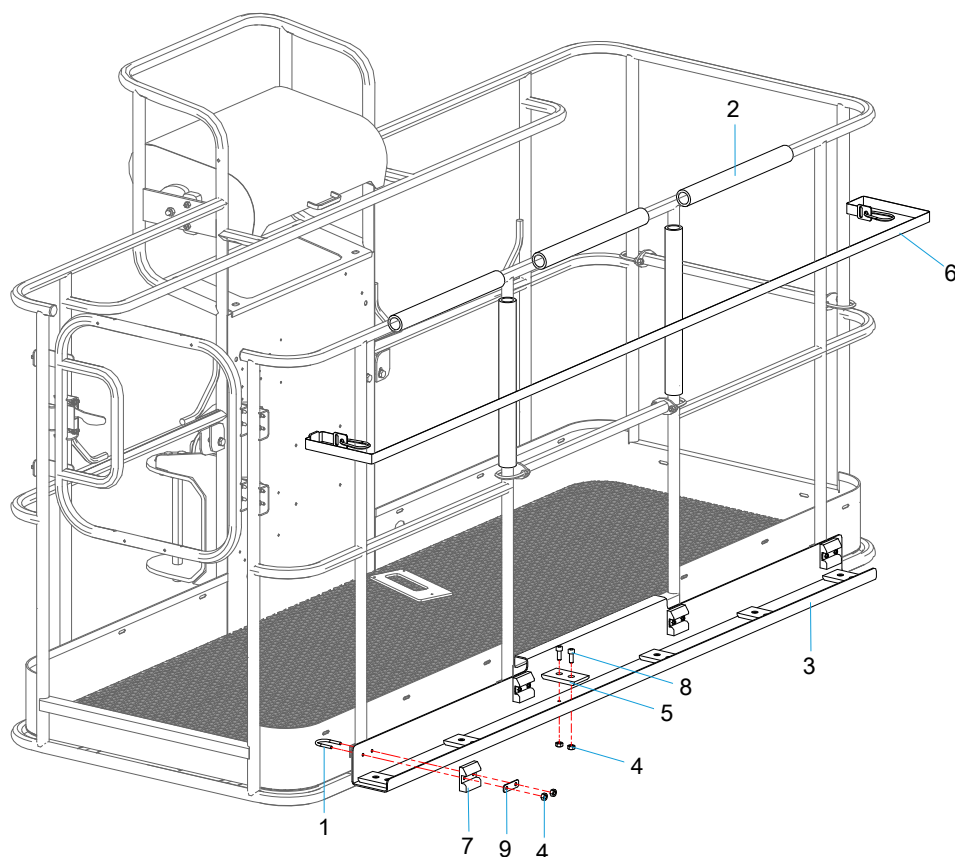
No.	Part No.	Qty.	Description
1	215020000213	8	Screw M4×40-A2-70 GB/T 818
2	203060000056	4	Travel switch
3	103011043003	8	Plate
4	105064043216	4	Height Limit Pole
5	203990000005	4	Nylon waterproof connector
6	203080000021	1	Lock (Not Shown)
7	203080000041	2	Female connector (Not Shown)
8	203080000016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

9.7 TOOL BOX INSTALLATION (PN.105064043064)



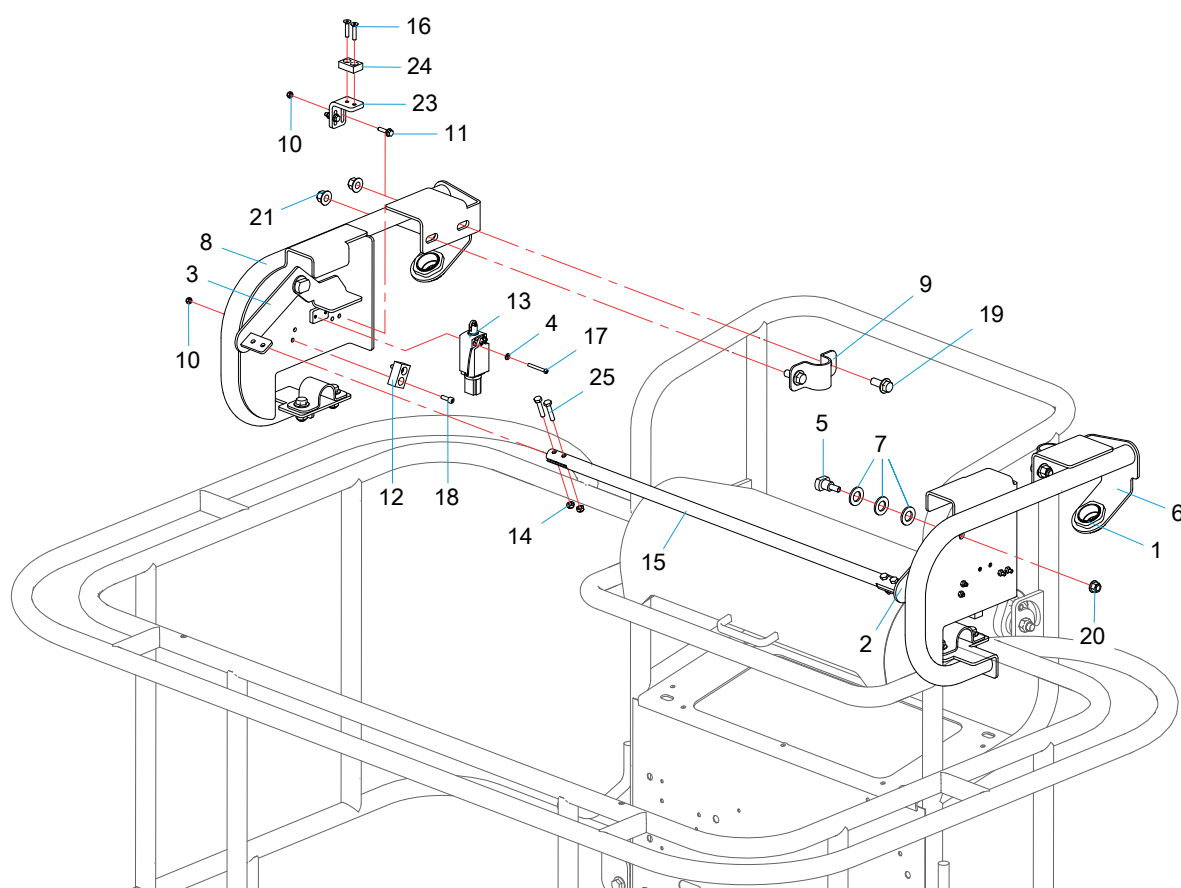
No.	Part No.	Qty.	Description
1	105064043066	1	Tool box
2	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
3	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
4	215030000121	2	Nut M8-10-ZnD GB/T 6183.1

9.8 GLASS PANEL BRACKET INSTALLATION (PN.105064043022)



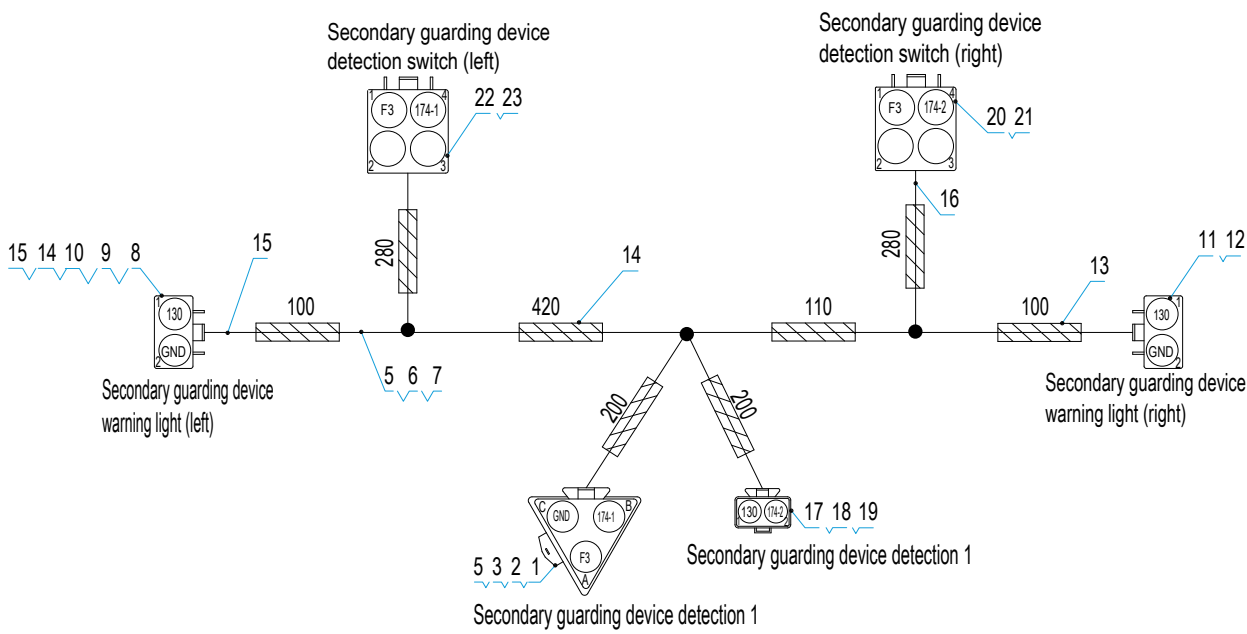
No.	Part No.	Qty.	Description
1	105064043020	4	U-bolt
2	105064190001	5	Rubber tube
3	105064043017	1	Plate, mounting
4	215030000004	20	Nut M6-A2-70 GB/T 6170
5	105064043024	6	Cushion block
6	216020003031	1	Tie
7	105064043136	4	Cushion block
8	215020000011	12	Screw M6×16-A2-70 GB/T 70.1
9	105064043178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

9.9 SECONDARY GUARDING INSTALLATION (PN.105070043057)



No.	Part No.	Qty.	Description
1		2	Beacon light option
1-1	203050003065	1	Beacon light (Blue)
1-2	203050003058	1	Light, warning (strobe) (Amber)
2	114015013248	1	Plate, bending right
3	114015013250	1	Plate, bending left
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
13	203060003031	2	Switch, travel (SND)
14	215030000025	4	Nut M6-8-A2-70 GB/T 889.1
15	105070043055	1	Rod, round
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	Secondary Guarding Harness (Not shown)(See Sec. 9.10 for details)
23	105070043028	2	Plate, folded
24	209990003011	2	Magnet
25	215010000053	4	Bolt M6×30-A2-70 GB/T 5783

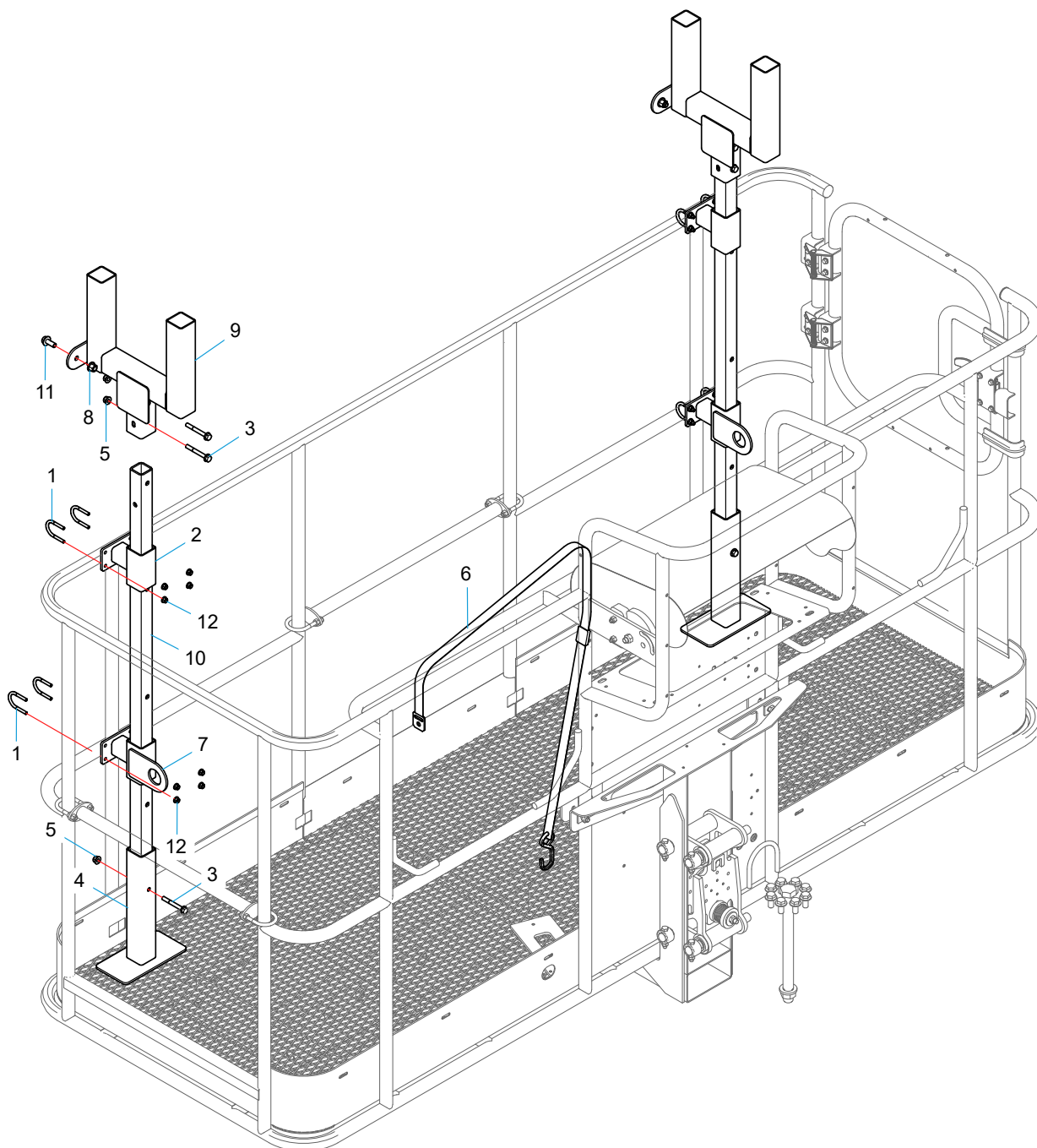
9.10 SECONDARY GUARDING HARNESS (PN.105078063081)



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

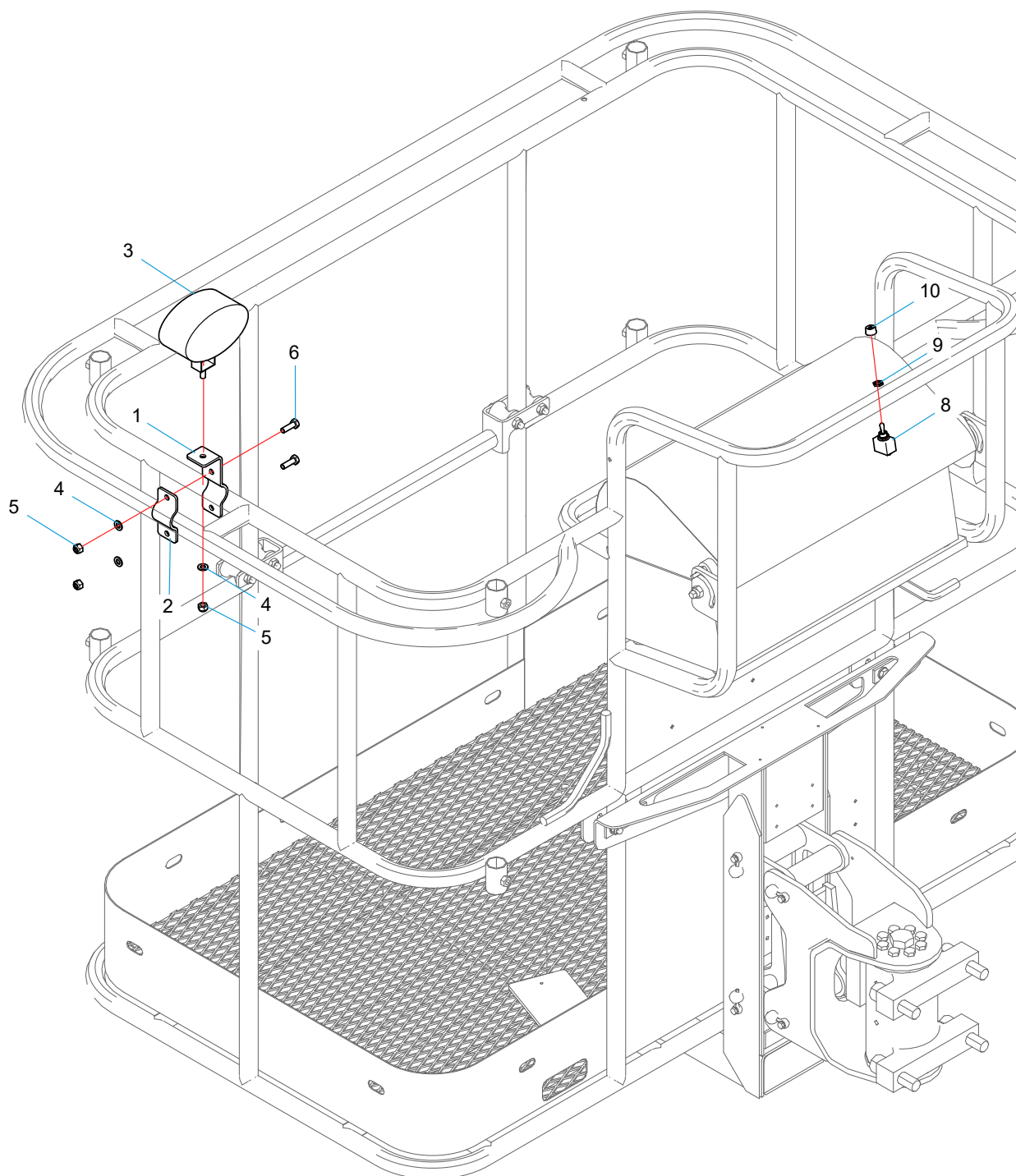
No.	Part No.	Qty.	Description
20	203080000044	2	Sheath
21	203080000020	2	Lock
22	203080000445	2	End attachments, 4-pin, female
23	203080000446	2	Rubber part

9.11 PIPE RACK ASSEMBLY (PN.114006040008)



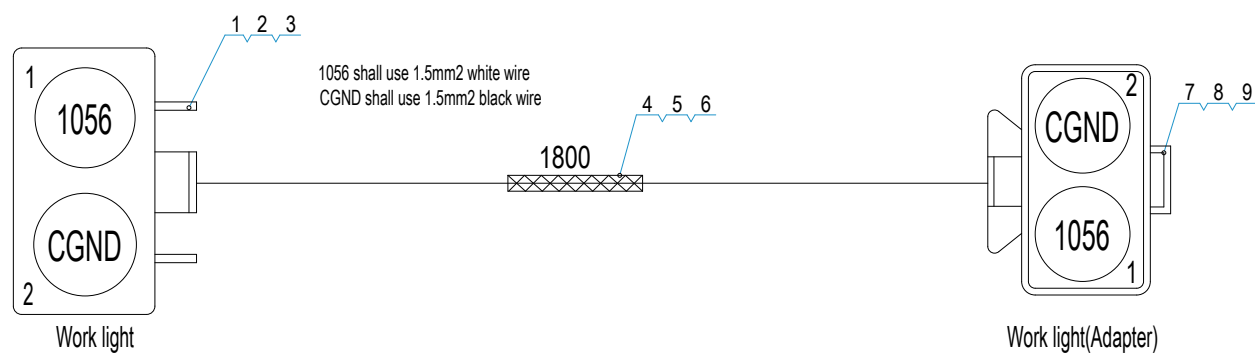
No.	Part No.	Qty.	Description
1	105064043020	8	U-bolt
2	114006040005	2	Guide sleeve
3	215010000319	6	Bolt M8×65-8.8-ZnD GB/T 5789
4	114006040002	2	Support
5	215030000108	6	Nut M8-8-ZnD GB/T 6183.1
6	216020003032	2	Tie
7	114006040010	2	Guide sleeve
8	215030000109	2	Nut M10-8-ZnD GB/T 6183.1
9	114006040011	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-A2-70 GB/T 6183.1
13	102013103016	2	Decal-Pipe rack load 100kg (Not Shown)

9.12 WORK LIGHT INSTALLATION (PN.105017060065)



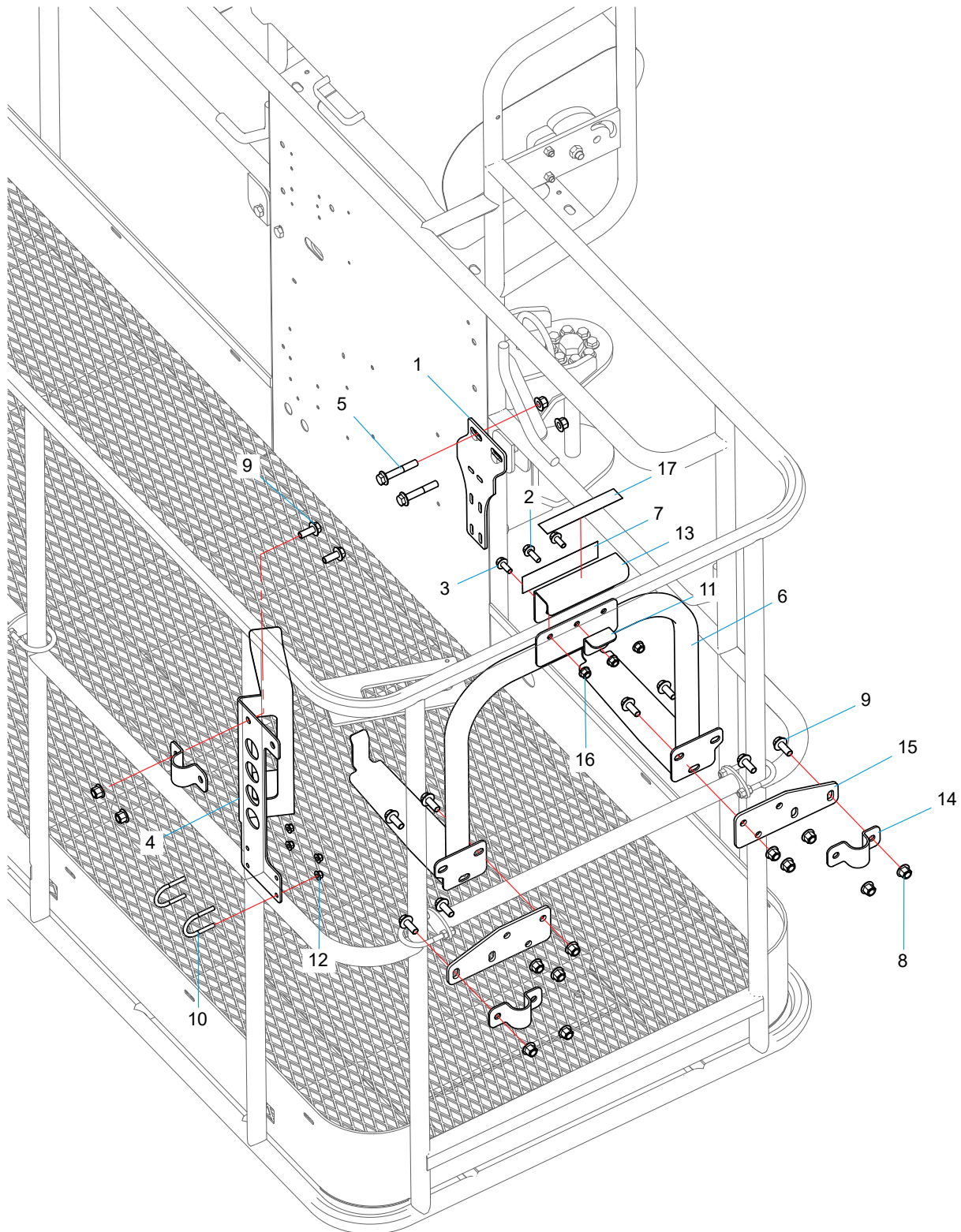
No.	Part No.	Qty.	Description
1	105017060066	1	Plate
2	105017060067	1	Plate
3	203050000059	1	Lamp,illuminating
4	215040000034	3	Washer 8-200HV-ZnD GB/T 97.1
5	215030000026	3	Nut M8-8-ZnD GB/T889.1
6	215010000058	2	Bolt M8×25-8.8-ZnD GB/T 5783
7	114032060025	1	Harness, adapter (light, work) (Not shown)(See Sec. 9.13 for details)
8	203060000035	1	Toggle switch
9	203080000109	1	Nut
10	203080000101	1	Waterproof cap

9.13 HARNESS, ADAPTER (LIGHT, WORK) (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

9.14 PLATFORM ATTACHMENT INSTALLATION (PN.105069170010)

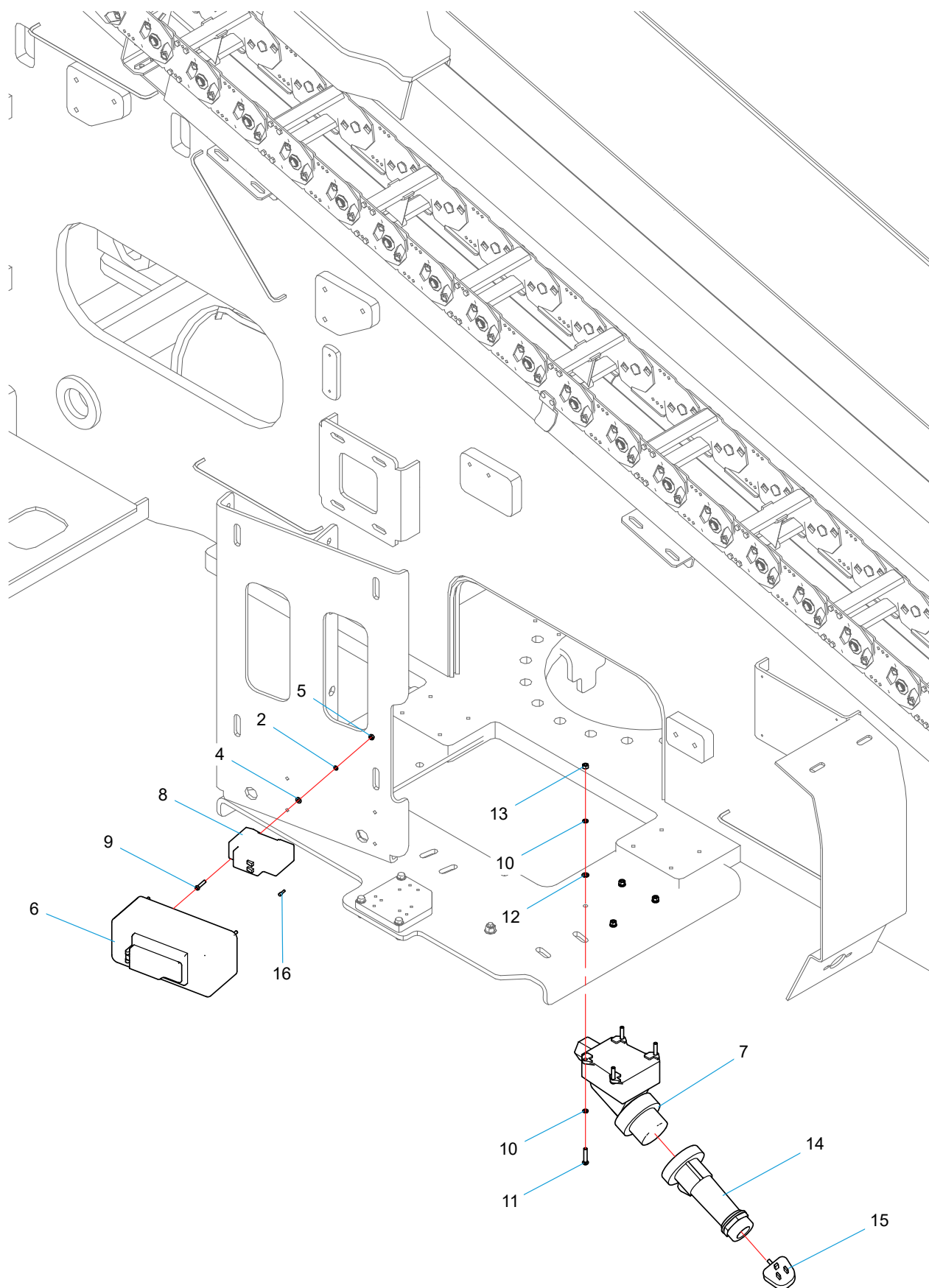


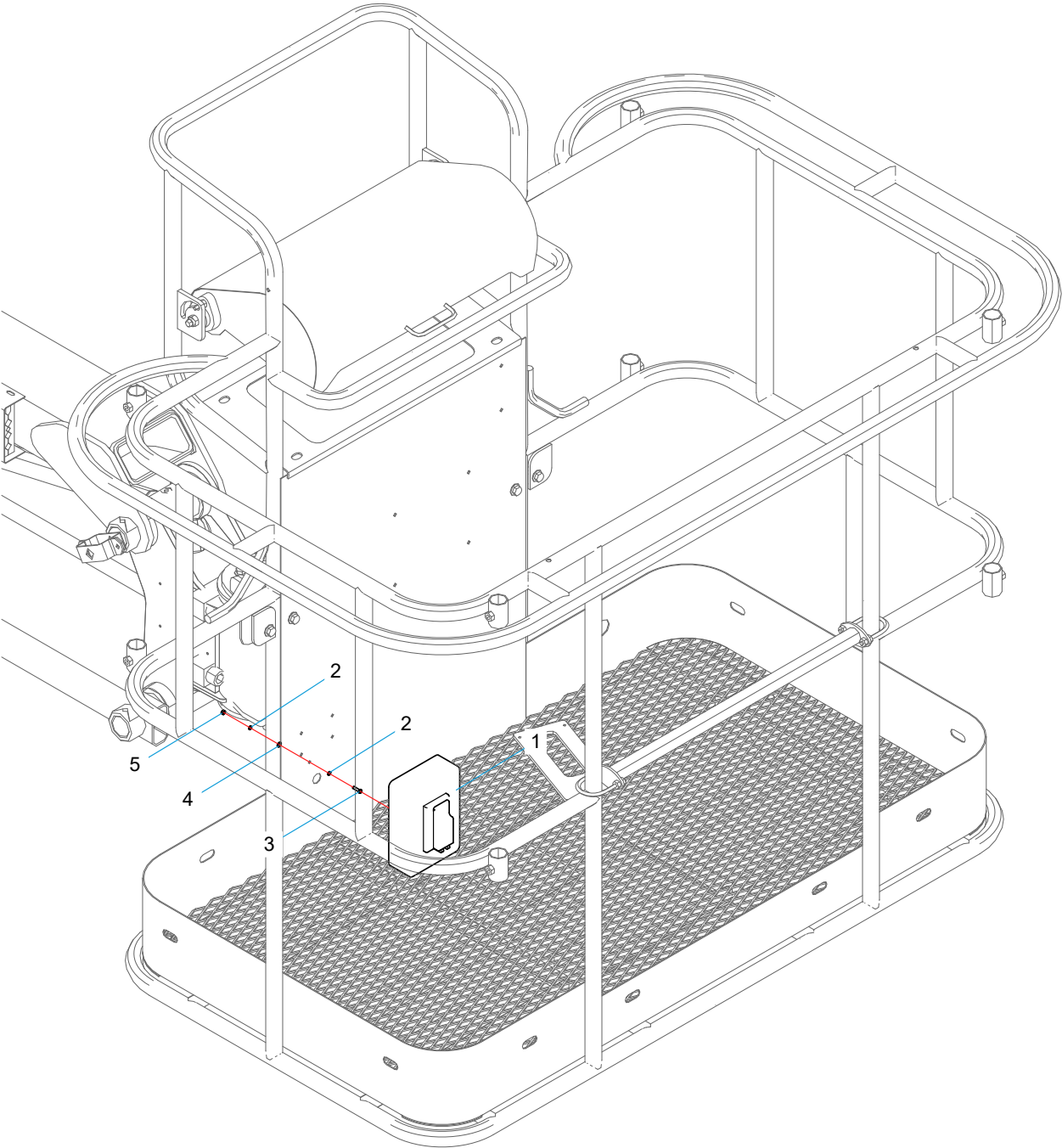
No.	Part No.	Qty.	Description
1	105069170001	1	Fire extinguisher bracket
2	215010000235	1	Bolt M8×25-8.8-ZnD GB/T 5789
3	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
4	105069170002	1	Bracket
5	215010000291	2	Bolt M10×60-8.8-ZnD GB/T 5789
6	105069170007	1	Bracket, welding machine
7	105056103007	1	Inatallation instructions,welding mechine
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-A2-70 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,welding mechine

9.15 AC POWER INSTALLATION

No.	Part No.	Qty.	Description
1		1	AC Power Electrical Components Installation(See Sec. 9.16 for details)
2	203230003648	1	Cable, drag chain
3	203230003644	1	Cable, drag chain

9.16 AC POWER ELECTRICAL COMPONENTS INSTALLATION



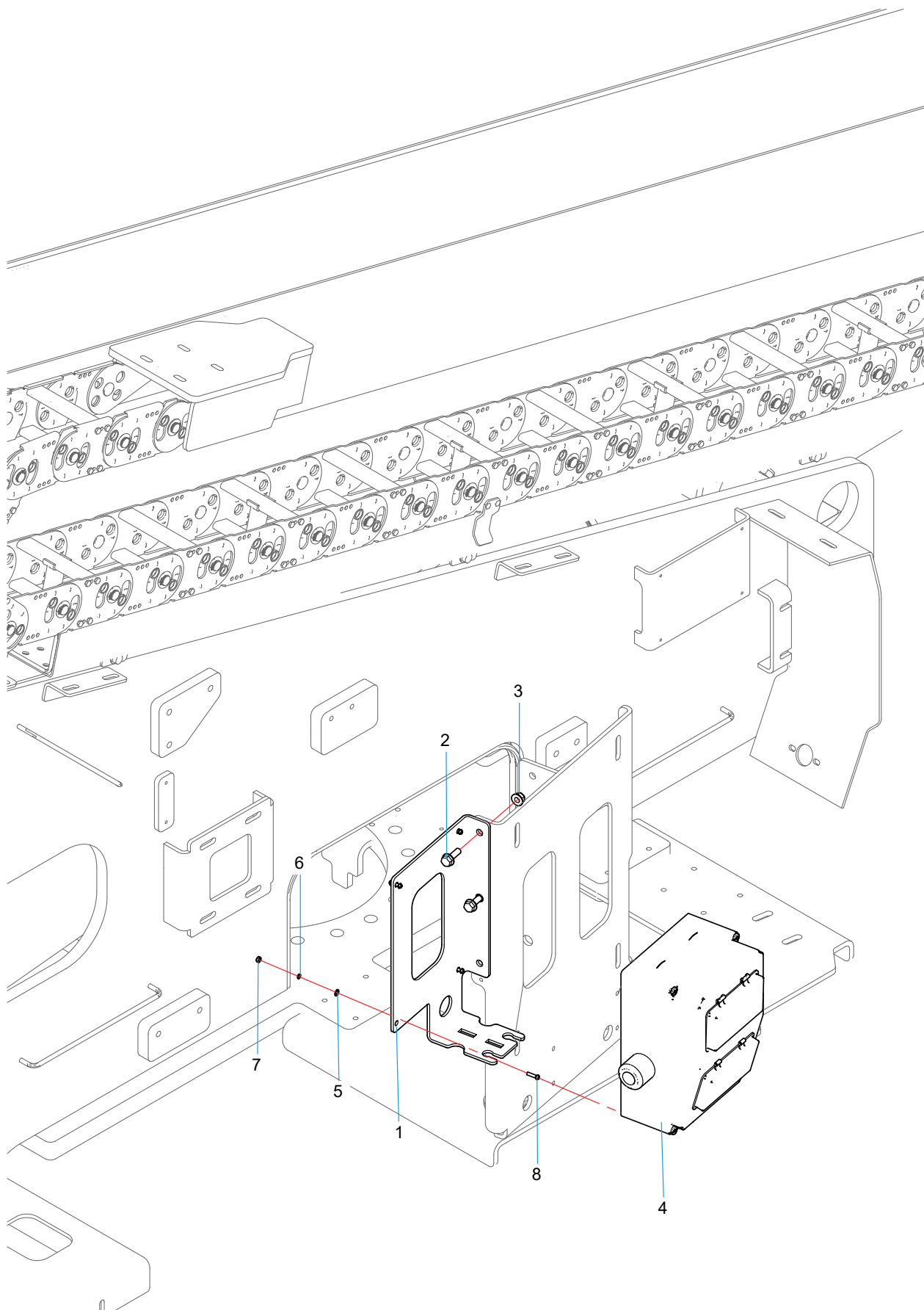


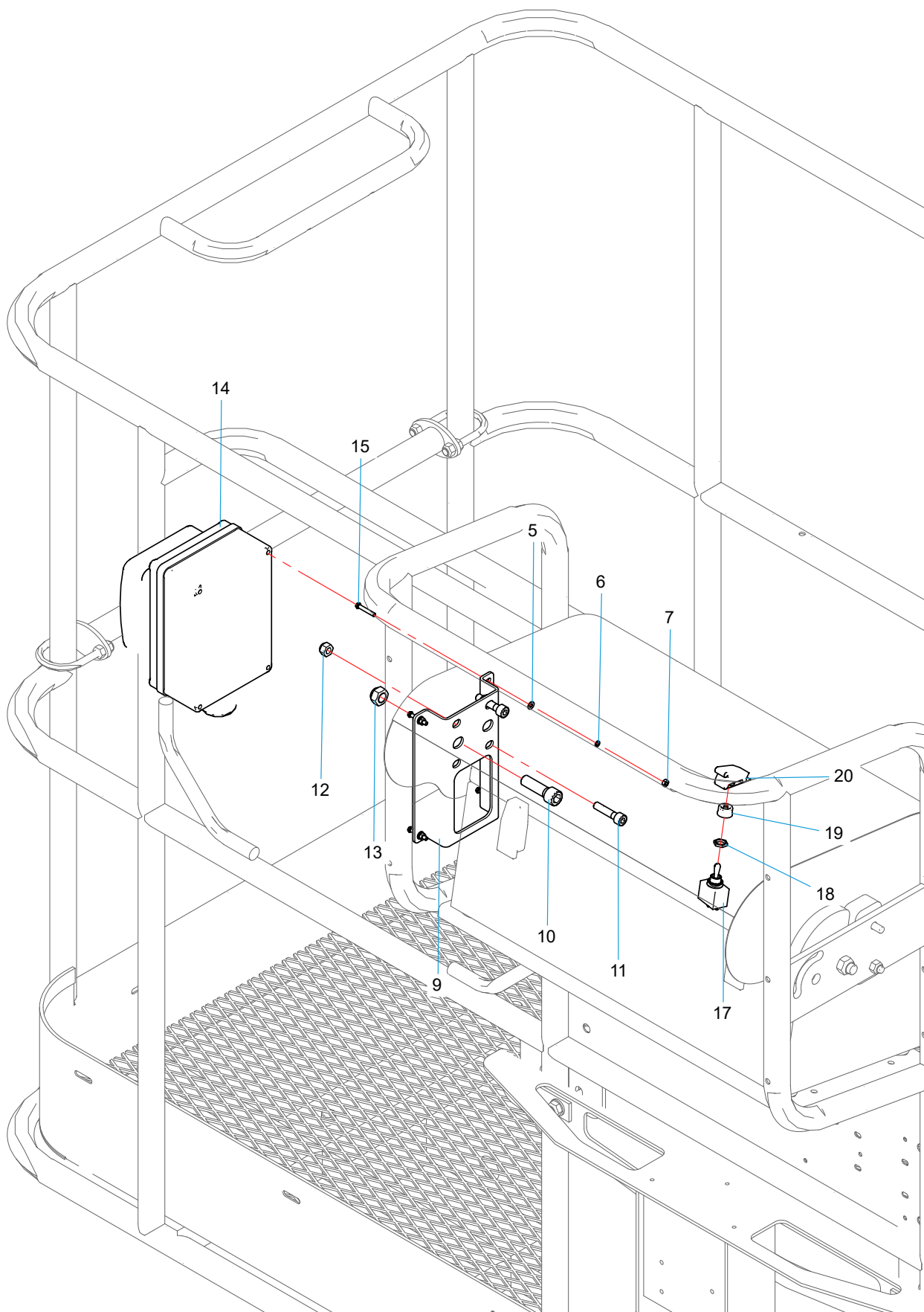
No.	Part No.	Qty.	Description
1		1	Waterproof Socket Installation Options
1-1	105074063062	1	American standard socket assembly
1-1a	203080000472	1	American standard socket assembly (Type B, US and South America specs)
1-1b	203080003824	3	Terminal
1-1c	105050040001	1	Plate, grooved
2	215040000002	12	Washer 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

9.17 HYDRAULIC GENERATOR INSTALLATION (NORTH AMERICA)

No.	Part No.	Qty.	Description
1		1	Hydraulic Generator Electrical Components Installation (North America)(See Sec. 9.18 for details)
2		1	Hydraulic Generator Hydraulic System (North America)(See Sec. 9.20 for details)

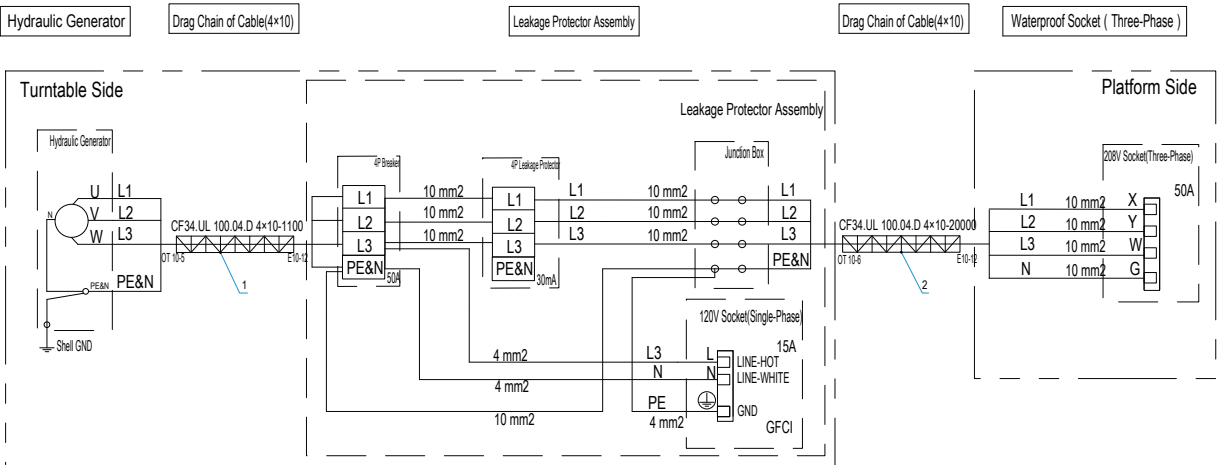
9.18 HYDRAULIC GENERATOR ELECTRICAL COMPONENTS INSTALLATION (NORTH AMERICA)





No.	Part No.	Qty.	Description
1	105084023306	1	Plate, bending
2	215010000265	2	Bolt M8×25-10.9-DKL GB/T 5789
3	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
4	203080003782	1	Leakage protector assembly
5	215040000031	8	Washer 4-A2 GB/T 97.1
6	215040000002	8	Washer 4-A2-70 GB/T 93
7	215030000002	8	Nut M4-8-A2-70 GB/T 6170
8	215020000106	4	Screw M4×16-A2-70 GB/T 818
9	105050043063	1	Plate, grooved
10	215020000208	1	Screw M12×40-8.8-ZnD GB/T 70.1
11	215020000026	2	Screw M8×35-8.8-ZnD GB/T 70.1
12	215030000026	2	Nut M8-8-ZnD GB/T889.1
13	215030000029	1	Nut M12-8-ZnD GB/T 6184
14		1	Waterproof Socket Installation Options
14-1	203080003781	1	Waterproof socket (Canada)
14-2	203080004180	1	Socket, waterproof (USA)
15	215020000108	4	Screw M4×25-A2-70 GB/T 818
16	105084063100	1	Hydraulic Generator Electrical Harness Diagram (North America) (Not Shown) (See Sec. 9.19 for details)
17	203060000035	1	Toggle switch
18	203080000109	1	Nut
19	203080000101	1	Waterproof cap
20	203060000150	1	Toggle switch guard

9.19 HYDRAULIC GENERATOR ELECTRICAL HARNESS DIAGRAM (NORTH AMERICA) (PN.105084063100)

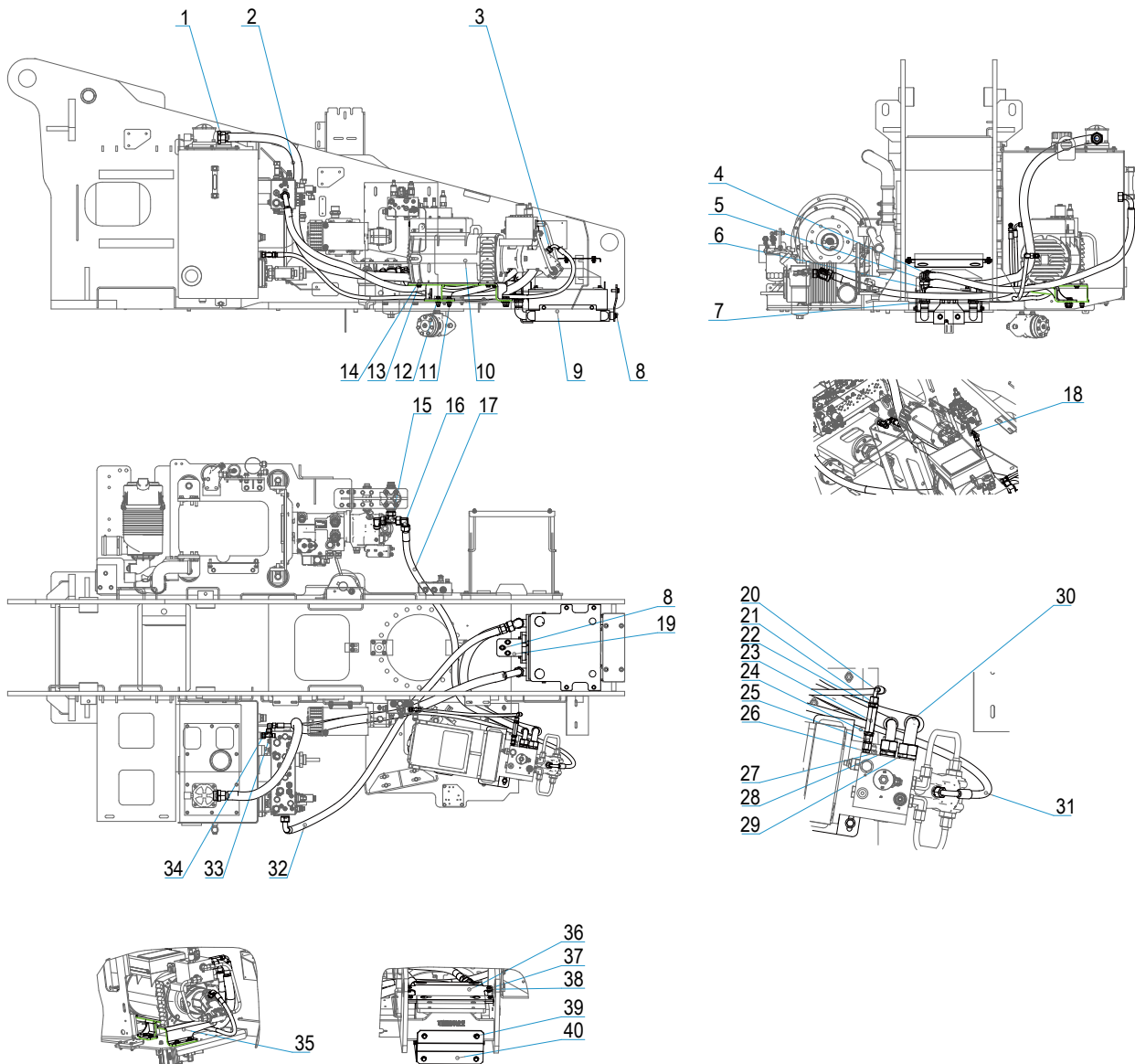


No.	Part No.	Qty.	Description
1	203230003377	1	Generator cable
2	203230003478	1	Cable, drag chain

9.20 HYDRAULIC GENERATOR HYDRAULIC SYSTEM (NORTH AMERICA)

No.	Part No.	Qty.	Description
1		1	Generator Installation Piping Diagram(See Sec. 9.21 for details)

9.21 GENERATOR INSTALLATION PIPING DIAGRAM

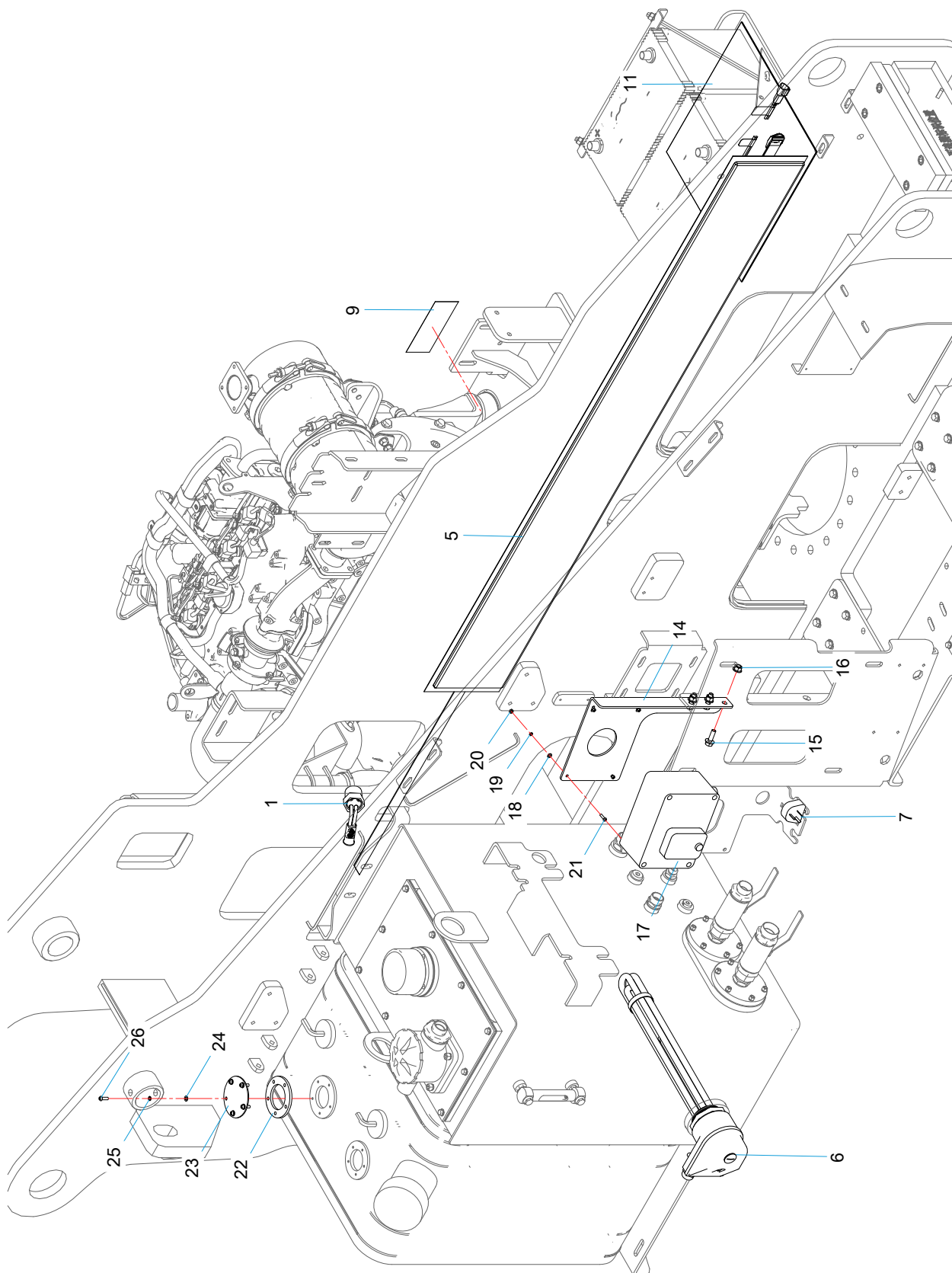


No.	Part No.	Qty.	Description
1	213010000128	1	Coupler
2	213050018941	1	Hose
3	213010000004	1	Fitting
4	213010000034	1	Coupler
5	213010000164	1	Coupler
6	213010000033	1	Coupler
7	213010000143	2	Coupler
8	215010000237	7	Bolt M10×20-8.8-ZnD GB/T 5789
9	202060003007	1	Oil cooler assembly
10		1	OPT, generator (North America)
10-1		1	Plug Options (Without Hydraulic Generator Installation) (Pre-assembled generator)(See Sec. 9.22 for details)
10-2	203180003002	1	Hydraulic generator (Fully assembled generator)
11	215030000109	4	Nut M10-8-ZnD GB/T 6183.1
12	215010000268	4	Bolt M10×35-10.9-DKL GB/T 5789
13	215010000239	3	Bolt M10×30-8.8-ZnD GB/T 5789
14	215030000006	3	Nut M10-8-ZnD GB/T 6170
15	213010000223	1	Coupler
16	213010000041	2	Coupler
17	213050018944	1	Hose
18	213010000026	1	Coupler
19	105084023328	1	Plate, folded
20	213050011892	1	Hose
21	202130003003	1	Damper
22	213010003014	1	Coupler
23	202040003468	1	Tubular check manifold
24	213010000007	1	Fitting
25	213010000142	1	Coupler
26	213010000013	1	Coupler
27	213060003014	1	Plug
28	213010000100	1	Coupler
29	213010003114	1	Coupler
30	213050017380	1	Hose
31	213050000208	1	Hose
32	213050000056	1	Hose
33	213010000032	1	Coupler
34	213010000055	1	Coupler
35	105084023325	1	Bracket, generator
36	105084023336	1	Plate, cover
37	215010000234	4	Bolt M8×20-8.8-ZnD GB/T 5789
38	215030000106	4	B type spring nuts
39	215010000238	2	Bolt M10×25-8.8-ZnD GB/T 5789
40	105084023327	1	Plate, folded

9.22 PLUG OPTIONS (WITHOUT HYDRAULIC GENERATOR INSTALLATION)

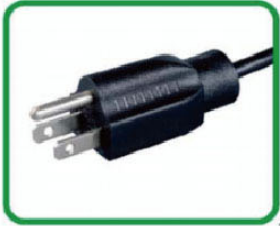
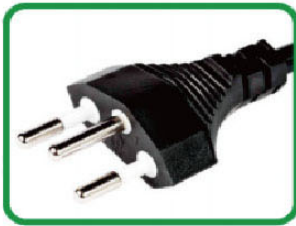
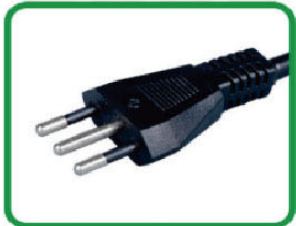
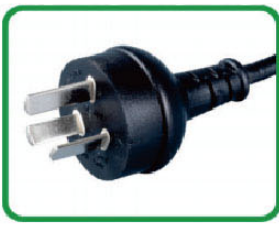
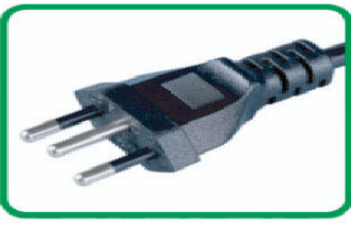
No.	Part No.	Qty.	Description
1	213060000009	1	Plug (XVSCHK 12-L)
2	213060003000	1	Plug (XVSCHK 8-L)
3	213060003011	1	Plug (XVSCHK 22-L)
4	213060003012	1	Plug (XVSCHK 28-L)

9.23 COLD-WEATHER HEATING INSTALLATION (KUBOTA) (PN.105084190001)



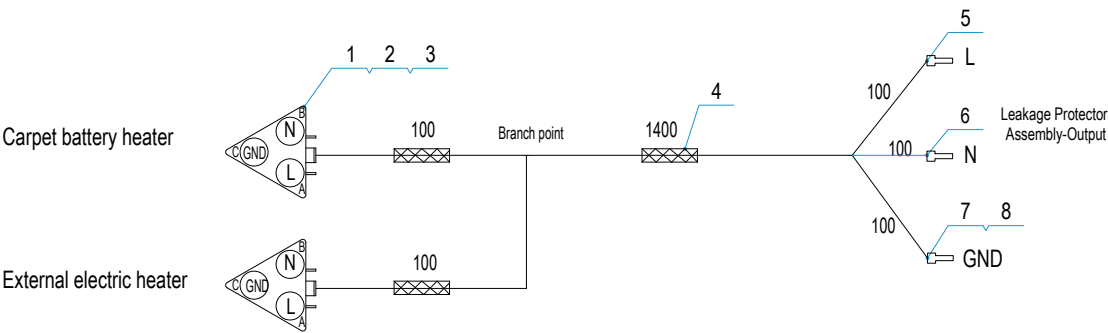
No.	Part No.	Qty.	Description
1	201010003164	1	Water heater(120V)
2	203080003938	1	Power supply cable(120V) (Not Shown)
3	203080003939	1	Inlet cable(120V) (Not Shown)
4	203080003940	1	Extension cable(120V) (Not Shown)
5	203990003071	1	Electric heater
6	203990003068	1	Hydraulic tank electric heater
7		1	Power Plug Cord Options(See Sec. 9.24 for details)
8	105050190001	1	Decal-Battery and Hydraulic oil heating (Not Shown)
9	105084100021	1	Decal,instruction(engine heater,Kubota)
10	105044063044	1	Wiring scheme of Blue Heating (Not shown,Not Shown)
11	203990003322	1	Heater,carpet (battery)
12	105044063051	1	Battery Heating Harness (Not Shown)(See Sec. 9.25 for details)
13	105084063113	1	Hydraulic Tank Heating Harness (Not Shown)(See Sec. 9.26 for details)
14	105084023321	1	Plate, folded
15	215010000235	3	Bolt M8×25-8.8-ZnD GB/T 5789
16	215030000108	3	Nut M8-8-ZnD GB/T 6183.1
17	203090003047	1	Leakage protector assembly
18	215040000031	4	Washer 4-A2 GB/T 97.1
19	215040000002	4	Washer 4-A2-70 GB/T 93
20	215030000002	4	Nut M4-8-A2-70 GB/T 6170
21	215020000106	4	Screw M4×16-A2-70 GB/T 818
22	104022023129	1	Pad, rubber
23	104022023130	1	Plate
24	215040000032	5	Washer 5-A2 GB/T 97.1
25	215040000003	5	Washer 5-A2-70 GB/T 93
26	215020000111	5	Screw M5×16-A2-70 GB/T 818

9.24 POWER PLUG CORD OPTIONS

		
B	E+F	G
		
J	L	M
		
H	I (AS)	I (China)
		
I (Argentina)	N	277 (UK)
		
510		

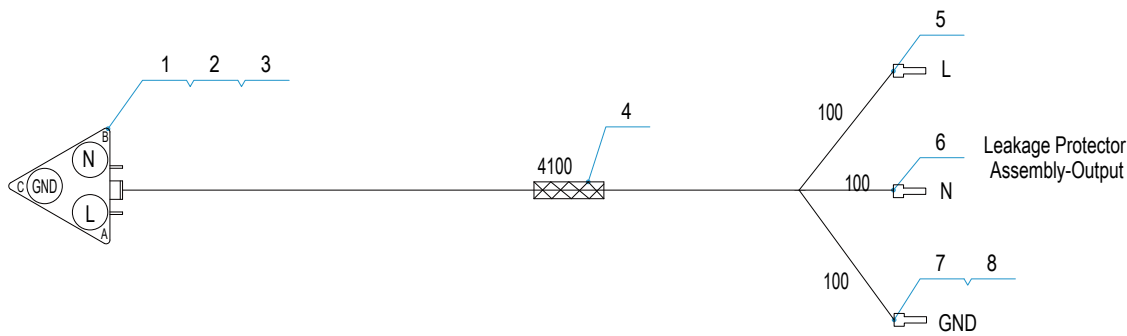
No.	Part No.	Qty.	Description
1	203080003964	1	Cable, plug (AC power) (Type L, Chile and Italy specs)
2	203080004037	1	Cable, plug (AC power) (Type I, Argentina specs)
3	203080003959	1	Cable, plug (AC power) (Type G, Hong Kong, Macau, Malaysia and Middle East)
4	203080003961	1	Cable, plug (AC power) (Type M, South Africa and India specs)
5	203080004036	1	Cable, plug (AC power) (Type I, China specs)
6	203080003963	1	Cable, plug (AC power) (Type J, Swiss specs)
7	203080003960	1	Cable, plug (AC power) (Type B, Mexico, US, Thailand, Taiwan, and Philippines specs)
8	203080003970	1	Cable, plug (AC power) (Type H, Israel specs)
9	203080003962	1	Cable, plug (AC power) (Type E+F, Vietnam, Russia, Poland, Turkey, Netherlands, and South Korea specs)
10	203080003958	1	Cable, plug (AC power) (Type I, New Zealand and Australia specs)
11	203080004035	1	Cable, plug (AC power) (Type N, Brazil specs)
12	203080004391	1	Cable, plug (AC power) (Type 277+1193, UK)

9.25 BATTERY HEATING HARNESS (PN.105044063051)



No.	Part No.	Qty.	Description
1	203080000404	2	Sheath
2	203080000032	2	Lock
3	203080003013	6	Female connector
4	203080003291	2	Corrugated pipe
5	203080003986	2	Wire
6	203080003987	2	Wire
7	203080003988	2	Wire
8	203080000415	3	Terminal

9.26 HYDRAULIC TANK HEATING HARNESS (PN.105084063113)



No.	Part No.	Qty.	Description
1	203080000404	1	Sheath
2	203080000032	1	Lock
3	203080003013	3	Female connector
4	203080003291	2	Corrugated pipe
5	203080003986	2	Wire
6	203080003987	2	Wire
7	203080003988	2	Wire
8	203080000415	3	Terminal

9.27 OIL OPTIONS

No.	Part No.	Qty.	Description
1		1	Diesel Oil Options
1-1	305020000001	1	Diesel
2		1	Hydraulic Oil Options
2-1	305070000001	1	Hydraulic oil (HM ~ 46 (0°C ~ 40 °C))
3		1	Engine Oil Options
3-1	305110000002	1	Engine oil, CJ-4
4		1	Gear Oil Options
4-1	305040000003	1	Oil, gear (Mobil)
5		1	Antifreeze Solution Options
5-1	201040003064	1	Antifreeze, -35°C

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