

Parts Manual

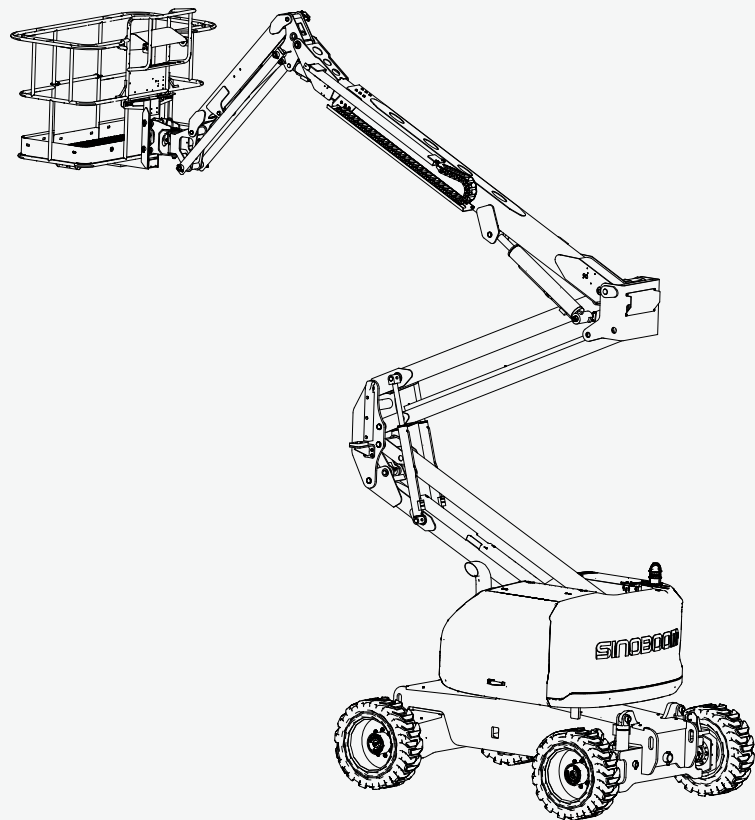
Manual No: 504030120002-EN

Manual Version: B

Jun. 2025

Translated version

AB15J Plus (AB15J Plus/AB480J Plus) *From 0403000120 to present*



GB CE ANSI AS/NZS SP®

SINOBOOM



WARNING

操作、维护和保养机器时会接触到一些化学物质，包含发动机废气、一氧化碳、邻苯二甲酸和铅酸物质，已知这些物质可导致癌症、先天性缺陷或其它生殖伤害。为了减少接触、避免吸入废气，在无需使用的情况下请务必不要启动机器，且应在通风良好的区域维护您的机器，并在维护时佩戴好手套和勤洗手。

如需对机器或机器相关部件执行任何报废处理，请遵守当地的法律法规。

SINOBOOM



**星邦智能
星邦**

以上均为湖南星邦智能装备股份有限公司的注册商标。

请与我们联系：

网 址：**www.sinoboom.com.cn**（中国）/ **www.sinoboom.com**（除中国外）

产品咨询热线：**400-601-5828**（中国）/ **0086-0731-87116222**（除中国外）

售后服务热线：**400-608-1289**（中国）/ **0086-0731-87116333**（除中国外）

邮 箱：**info@sinoboom.com**（中国）/ **sales@sinoboom.com**（除中国外）

地 址：湖南省长沙市宁乡高新技术产业园区金洲大道东128号

邮 编：**410600**

©湖南星邦智能装备股份有限公司版权所有

本手册的最终解释权归湖南星邦智能装备股份有限公司所有

TO USERS

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

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

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

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

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

Manual Revision History:

[illegible]

APPLICABLE MODELS

The manual applies to the following models and serial numbers:

Model	Metric Trade Name	Imperial Trade Name	Serial No.
AB15J Plus	AB15J Plus	AB480J Plus	From 0403000120 to present

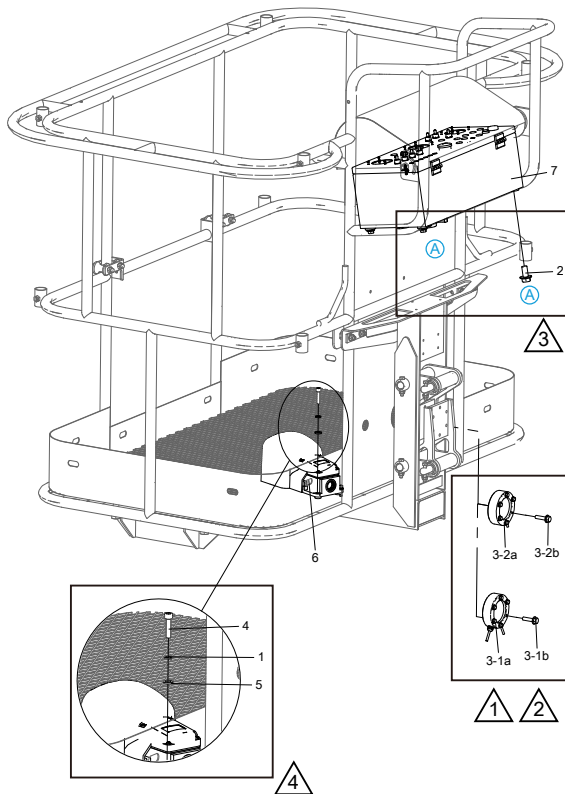
Note:

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

NOTE

Since the client only requires us to provide the superstructure (excluding the chassis), all chassis-related operations and parameters for the complete vehicle will be based on the client's chassis data. The chassis-related operations and parameters mentioned in this document are for reference only.

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



序号	编号	数量	说明
1	215040000004	3	垫圈 6-A2-70 GB/T 93
2	215010000237	4	螺栓 M10×20-8.8-ZnD GB/T 5789
3	103006060034		称重传感器选配
3-1	103006060026	1	双通道称重传感器
3-1a	203150000070	1	称重传感器
3-1b	215010000232	6	螺栓 M6×25-8.8-ZnD GB/T 5789
3-2	103006060029	1	单通道称重传感器
3-2a	203150000069	1	称重传感器
3-2b	215010000232	6	螺栓 M6×25-8.8-ZnD GB/T 5789
4	215020000013	3	螺钉 M6×25-A2-70 GB/T 70.1
5	215040000033	3	垫圈 6-A2 GB/T 97.1
6	203060000009	1	重载脚踏开关
7	105002040001	1	平台控制箱总成

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

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



WARNING

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

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

Nameplate Illustration Sample

SINOBOOM

PN: 20204000XXXX

SN: 6460AB0A

PD: DD/MM/YY

SC: 100XXXX

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

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

CONTENTS

1	Chassis Assembly	13
1.1	Drive Installation	14
1.2	Left Tire Assembly Options.....	16
1.3	Right Tire Assembly Options	17
1.4	Drive Reducer Options	18
1.5	Drive Reducer (PN.204020000026).....	19
1.6	Steer Installation	20
1.7	Steer Linkage	22
1.8	Axle Installation	23
1.9	Oscillate Cylinder Installation	24
1.10	Chassis Accessory Installation (Continuous rotation)	26
1.11	Chassis Accessory Installation (Non-continuous Rotation)	28
2	Turntable Assembly.....	31
2.1	Turntable Assembly (Continuous rotation-Turntable length= 2.328 m)	32
2.1.1	Turntable Assembly	33
2.1.2	Counterweight Options.....	35
2.1.3	Fuel Tank Installation.....	36
2.1.4	Fuel Tank Installation (Heater)	38
2.1.5	Fuel Tank Installation (Plug).....	40
2.1.6	Turntable Accessory Installation	42
2.1.7	Turntable Cover Installation	45
2.1.8	Slewing Mechanism.....	47
2.2	Turntable Assembly (Continuous rotation-Turntable length= 1.961 m)	49
2.2.1	Turntable Assembly	50
2.2.2	Counterweight Options.....	51
2.2.3	Fuel Tank Installation.....	52
2.2.4	Turntable Accessory Installation (Continuous Rotation Config).....	54
2.2.5	Turntable Cover Installation	56
2.2.6	Slewing Mechanism.....	59
2.3	Turntable Assembly (Non-continuous Rotation)	61
2.3.1	Turntable Assembly	62

2.3.2	Counterweight Options.....	64
2.3.3	Fuel Tank Installation.....	65
2.3.4	Turntable Accessory Installation (Non-continuous Rotation Config)	67
2.3.5	Turntable Cover Installation	69
2.3.6	Slewing Mechanism.....	72

3 Power System 75

3.1	Engine D1105-E4B-CHN-1 (Continuous rotation-Turntable length= 1.961 m & Non-continuous Rotation).....	76
3.1.1	Kubota Engine Installation (D1105)	77
3.1.2	Power Output Assembly	82
3.1.3	Cooling System	83
3.1.4	Fuel Supply System.....	85
3.1.5	Exhaust System.....	87
3.1.6	Intake System.....	89
3.1.7	Mount System.....	91
3.1.8	Kubota Engine V2403BM-DI-CT04 (PN.201010003247)	93
3.2	Engine D1105-E4B-CHN-1 (Continuous rotation-Turntable length= 2.328 m) ...	94
3.2.1	Engine Installation	95
3.2.2	Power Output Assembly	97
3.2.3	Cooling System	98
3.2.4	Fuel Supply System.....	101
3.2.5	Exhaust System.....	103
3.2.6	Intake System.....	105
3.2.7	Mount System.....	107
3.2.8	Kubota Engine V2403BM-DI-CT04 (PN.201010003247)	109
3.3	Engine V2403-CR-TIE4B (Continuous rotation-Turntable length= 2.328 m)....	110
3.3.1	Engine Installation	111
3.3.2	Cooling System Installation	114
3.3.3	Fuel Supply System Installation.....	116
3.3.4	Exhaust System Installation.....	118
3.3.5	Intake System Installation.....	120
3.3.6	Mount System Installation.....	122
3.3.7	Kubota Engine V2403-CR-TIE4B-SBM-2 (PN.201010003214).....	124
3.4	Engine V2403-M-DI-E3B (Continuous rotation-Turntable length= 2.328 m) ...	126
3.4.1	Engine Installation	127

3.4.2	Cooling System Installation	129
3.4.3	Fuel Supply System Installation.....	131
3.4.4	Exhaust System Installation.....	133
3.4.5	Intake System Installation.....	135
3.4.6	Mount System Installation.....	137
3.4.7	Kubota Engine V2403BM-DI-CT04 (PN.201010003226)	139
4	Boom Assembly	141
4.1	Boom Assembly.....	142
4.2	Telescopic Boom Installation	145
4.3	Cable Track Installation	147
4.4	Jib Boom Assembly	148
5	Platform Assembly.....	151
5.1	1.83m (6ft) Work Platform - Swing Open Door (Optional Partial Enclosure) ...	152
5.2	Protective Cover Installation (Partial Enclosure)	154
5.3	Protective Cover Installation (Full Enclosure)	156
5.4	1.45m (4.76ft) Work Platform - Swing Open Door (Optional Partial Enclosure)	158
5.5	1.45m (4.76ft) Platform Assembly.....	161
5.6	1.83m (6ft) Platform Assembly	163
6	Hydraulic System.....	165
6.1	Chassis Hydraulic System (Continuous Rotation Config).....	166
6.1.1	Chassis Hydraulic Components Installation.....	167
6.1.2	Drive Control Valve and Fittings Installation.....	169
6.1.3	Drive Control Valve (PN.202040003985)	170
6.1.4	Oscillate Counterbalance Valve and Fittings Installation Options	171
6.1.5	Oscillate Counterbalance Valve (PN.202040003786).....	172
6.1.6	Oscillate Multi-way Valve and Fittings Installation Options.....	173
6.1.7	Oscillate Multi-way Valve (PN.202040003026)	174
6.1.8	Valve, multi-way (oscillate)(PN.202040003485)	175
6.1.9	Rotary Coupler and Fittings Installation Options	176
6.1.10	2-speed Multi-coupling and Fittings Installation.....	177
6.1.11	Drain Multi-coupling and Fittings Installation.....	178
6.1.12	Brake Multi-coupling and Fittings Installation	179
6.1.13	Pipe Layout Drawing of Front Axle.....	180

6.1.14	Pipe Layout Drawing of Rear Axle	181
6.1.15	Pipe Layout Drawing of Steering	183
6.1.16	Oscillating Pipe Layout Drawing	184
6.1.17	Rotary Coupler Pipe Layout Drawing	185
6.2	Chassis Hydraulic System (Non-continuous Rotation Config)	186
6.2.1	Chassis Hydraulic Components Installation.....	187
6.2.2	Drive Control Valve and Fittings Installation.....	189
6.2.3	Drive Control Valve (PN.202040003985)	190
6.2.4	Oscillate Counterbalance Valve and Fittings Installation Options	191
6.2.5	Oscillate Counterbalance Valve (PN.202040003786).....	192
6.2.6	Oscillate Multi-way Valve and Fittings Installation Options.....	193
6.2.7	Oscillate Multi-way Valve (PN.202040003026)	194
6.2.8	Valve, multi-way (oscillate)(PN.202040003485)	195
6.2.9	2-speed Multi-coupling and Fittings Installation	196
6.2.10	Drain Multi-coupling and Fittings Installation.....	197
6.2.11	Brake Multi-coupling and Fittings Installation	198
6.2.12	Pipe Layout Drawing of Front Axle.....	199
6.2.13	Pipe Layout Drawing of Rear Axle	201
6.2.14	Pipe Layout Drawing of Steering.....	203
6.2.15	Oscillating Pipe Layout Drawing	205
6.3	Turntable Hydraulic System(Continuous rotation-Turntable length= 2.328m) .	207
6.3.1	Turntable Hydraulic Components Installation	208
6.3.2	Filter & fittings installation options.....	210
6.3.3	High Pressure Filter Options	211
6.3.4	OPT, Cycloid Motor	212
6.3.5	Boom Function Valve and Fittings Installation.....	213
6.3.6	Boom Function Manifold (PN.202040003817)	214
6.3.7	Closed Pump (PN.105051053290)	216
6.3.8	Closed Pump and Fittings Installation (PN.105051053301)	217
6.3.9	Open-circuit Pump (SC: 1000054) and Fittings Installation	218
6.3.10	Open-circuit Pump (SC: 1000857) and Fittings Installation.....	219
6.3.11	Hydraulic Tank Assembly (Optional)	220
6.3.12	Power unit(PN.202010000041).....	222
6.3.13	Power Unit (PN.202010003090).....	223
6.3.14	Oscillate Control Valve (SC : 1001078) and Fittings Installation	224
6.3.15	Oscillate Control Valve (PN.202040003521).....	225

6.3.16	Brake/2-speed Control Valve and Fittings Installation (PN.105051053275)	226
6.3.17	Dual-speed Brake Control Valve (12V)(PN.202040000006).....	227
6.3.18	Closed Pump (PN.104030050168) Tubes Layout	228
6.3.19	Closed Pump (PN.104030050184) Tubes Layout	230
6.3.20	Open Pump (PN.104030050167) Tubes Layout.....	232
6.3.21	Open Pump (PN.104030050183) Tubes Layout.....	234
6.3.22	Boom Tubes Layout	236
6.3.23	Pipe Layout Drawing of Boom Function Manifold.....	238
6.3.24	Dual-Speed Brake Piping Diagram	240
6.4	Turntable Hydraulic System(Continuous rotation-Turntable length= 1.961 m).	242
6.4.1	Turntable Hydraulic Components Installation	243
6.4.2	Boom Function Valve and Fittings Installation.....	245
6.4.3	Boom Function Manifold (PN.202040003817)	246
6.4.4	Oscillate Control Valve (SC : 1001078) and Fittings Installation.....	248
6.4.5	Oscillate Control Valve (PN.202040003521).....	249
6.4.6	Brake/2-speed Control Valve and Fittings Installation (PN.105051053275) .	250
6.4.7	Dual-speed Brake Control Valve (12V)(PN.202040000006)	251
6.4.8	Hydraulic Tank Assembly (PN.104009020149)	252
6.4.9	Hydraulic Tank Assembly (PN.104030050024)	254
6.4.10	Kubota Oil Pump Transmission	256
6.4.11	Closed Pump (PN.105051053290)	257
6.4.12	Closed Pump and Fittings Installation (PN.105051053301)	258
6.4.13	Open-circuit Pump (SC: 1000054) and Fittings Installation.....	259
6.4.14	Open-circuit Pump (SC: 1000857) and Fittings Installation.....	260
6.4.15	Power unit(PN.202010000041)	261
6.4.16	Power Unit (PN.202010003090).....	262
6.4.17	Cycloid Motor (PN.202020003090).....	263
6.4.18	High Pressure Filter Options.....	264
6.4.19	Pipe Layout Drawing of Boom Function Manifold.....	265
6.4.20	Dual-Speed Brake Piping Diagram	267
6.4.21	Closed Pump (PN.202010000045) Tubes Layout	269
6.4.22	Closed Pump (PN.202010000054) Tubes Layout	271
6.4.23	Open Pump (PN.202010000048) Tubes Layout.....	273
6.4.24	Open Pump (PN.202010003140) Tubes Layout.....	275
6.4.25	Boom Tubes Layout	277
6.5	Turntable Hydraulic System (Non-continuous Rotation Config).....	279

6.5.1	Turntable Hydraulic Components Installation	280
6.5.2	Boom Function Valve and Fittings Installation.....	282
6.5.3	Boom Function Manifold (PN.202040003817)	283
6.5.4	Oscillate Control Valve (SC : 1001078) and Fittings Installation.....	285
6.5.5	Oscillate Control Valve (PN.202040003521).....	286
6.5.6	Dual-speed Brake Control Valve (12V)(PN.202040000006)	287
6.5.7	Brake/2-speed Control Valve and Fittings Installation (PN.105051053275) .	288
6.5.8	Hydraulic Tank Assembly (PN.104009020149)	289
6.5.9	Hydraulic Tank Assembly (PN.104030050024)	291
6.5.10	Kubota Oil Pump Transmission	293
6.5.11	Closed Pump (PN.105051053290)	294
6.5.12	Closed Pump and Fittings Installation (PN.105051053301)	295
6.5.13	Open-circuit Pump (SC: 1000054) and Fittings Installation.....	296
6.5.14	Open-circuit Pump (SC: 1000857) and Fittings Installation.....	297
6.5.15	Power unit(PN.202010000041).....	298
6.5.16	Power Unit (PN.202010003090).....	299
6.5.17	Cycloid Motor (PN.202020003090).....	300
6.5.18	High Pressure Filter Options.....	301
6.5.19	Pipe Layout Drawing of Boom Function Manifold.....	302
6.5.20	Dual-Speed Brake Piping Diagram	304
6.5.21	Closed Pump (PN.202010000045) Tubes Layout	306
6.5.22	Closed Pump (PN.202010000054) Tubes Layout	308
6.5.23	Open Pump (PN.202010000048) Tubes Layout.....	310
6.5.24	Open Pump (PN.202010003140) Tubes Layout.....	312
6.5.25	Boom Tubes Layout	314
6.6	Boom Hydraulic System.....	316
6.6.1	Boom Hydraulic Components Installation	317
6.6.2	Tower Boom Lift Counterbalance Valve and Fittings Installation Options	319
6.6.3	Tower Boom Lift Counterbalance Valve (PN.202040000327).....	320
6.6.4	Telescoping Counterbalance Valve Options and Fittings Installation	321
6.6.5	Telescoping Counterbalance Valve (PN.202040003012)	322
6.6.6	Telescoping Counterbalance Valve (PN.202040003374)	323
6.6.7	Main Boom Lift Counterbalance Valve Options and Fittings Installation.....	324
6.6.8	Lift Counterbalance Valve (PN.202040000309).....	325
6.6.9	2-way Counterbalance Valve and Fittings Installation.....	326
6.6.10	Jib Counterbalance Valve and Fittings Installation	327

6.6.11	Leveling Counterbalance Valve (PN.202040000011)	328
6.6.12	Platform Duplex Valve and Fittings Installation	329
6.6.13	Platform manifold, duplex(PN.202040003259)	330
6.6.14	Platform Duplex Valve (PN.202040000329)	332
6.6.15	Tower Boom Tubes Layout	333
6.6.16	Pipe Layout Drawing of Main Boom	335
6.6.17	Pipe Layout Drawing of Jib Boom.....	337

7 Electrical System 339

7.1	Turntable Electrical System (Continuous rotation-Turntable length= 2.328 m)	340
7.1.1	Turntable Electrical Components Installation (Kubota D1105)	341
7.1.2	Turntable Electrical Components Installation (Kubota V2403)	345
7.1.3	Contactors Installation.....	348
7.1.4	Horn option.....	349
7.1.5	Caution Light Options	350
7.1.6	Pressure sensor option	351
7.1.7	Power Switch Options.....	352
7.1.8	Turntable Controller Assembly Options	353
7.1.9	Turntable Controller Assembly (PN.104030060244) (Chile-logo)	354
7.1.10	Turntable Controller Assembly (PN.104030060042).....	356
7.1.11	Turntable Controller Assembly (PN.104030060006).....	358
7.1.12	Turntable Controller (PN.104030060001)	360
7.1.13	Turntable Controller Wiring Diagram (PN.104030060053)	362
7.1.14	Turntable Controller Wiring Diagram (PN.104030060010)	364
7.1.15	Level Sensor Options	366
7.1.16	GPS installation options	367
7.1.17	Turntable Harness (PN.104030060149).....	368
7.1.18	Turntable Harness (PN.104030060043).....	370
7.1.19	Electrical Power Wiring Layout (PN.104030060290).....	372
7.1.20	Electrical Power Wiring Layout (PN.104030060288).....	374
7.1.21	Electrical Power Wiring Layout (PN.104030060150)	376
7.1.22	Electrical Power Wiring Layout (PN.104030060046).....	378
7.2	Turntable Electrical System (Continuous rotation-Turntable length= 1.961 m & Non-continuous Rotation)	380
7.2.1	Turntable Electrical Components Installation	381
7.2.2	GPS installation options.....	385

7.2.3	Level Sensor Options	386
7.2.4	Turntable Controller Assembly (PN.104030060006).....	387
7.2.5	Turntable Controller (PN.104030060001).....	389
7.2.6	Turntable Controller Wiring Diagram (PN.104030060010).....	391
7.2.7	Power Switch Options.....	393
7.2.8	Pressure sensor option	394
7.2.9	Caution Light Options	395
7.2.10	Horn option	396
7.2.11	Contactor Installation	397
7.2.12	Turntable Harness (PN.104030060009).....	398
7.2.13	Electrical Power Wiring Layout (PN.104030060011)	400
7.2.14	Electrical Power Wiring Layout (PN.104030060028)	402
7.3	Engine Electrical System (Continuous rotation-Turntable length= 2.328m)....	404
7.3.1	Engine Electrical Components Installation(PN.104030060156)	405
7.3.2	Engine Harness (PN.104030060024).....	406
7.3.3	Engine Harness (PN.104030060034).....	408
7.3.4	Engine Harness (PN.105068063055).....	411
7.4	Engine Electrical System (Continuous rotation-Turntable length= 1.961 m & Non-continuous Rotation).....	413
7.4.1	Engine Electrical Components Installation	414
7.4.2	Engine Harness (PN.104030060024).....	415
7.5	Boom Electrical System (Continuous rotation-Turntable length= 2.328 m)	417
7.5.1	Boom Electrical Components Installation	418
7.5.2	Weighing Sensor Options	420
7.5.3	Cable Track Diagram (PN.104030060014)	421
7.5.4	Platform Controller Assembly Options	422
7.5.5	Platform Controller Assembly (PN.104030060051)	423
7.5.6	Platform Controller Assembly (PN.104030060152).....	426
7.5.7	Platform Controller Wiring Diagram (PN.104030060013).....	429
7.5.8	Platform controller(PN.105050063019)	431
7.5.9	Foot Switch Options.....	433
7.5.10	Platform Harness (PN.104030060012)	434
7.5.11	Platform Harness (PN.114019060031)	435
7.6	Boom Electrical System (Continuous rotation-Turntable length= 1.961 m & Non-continuous Rotation).....	436
7.6.1	Boom Electrical Components Installation	437

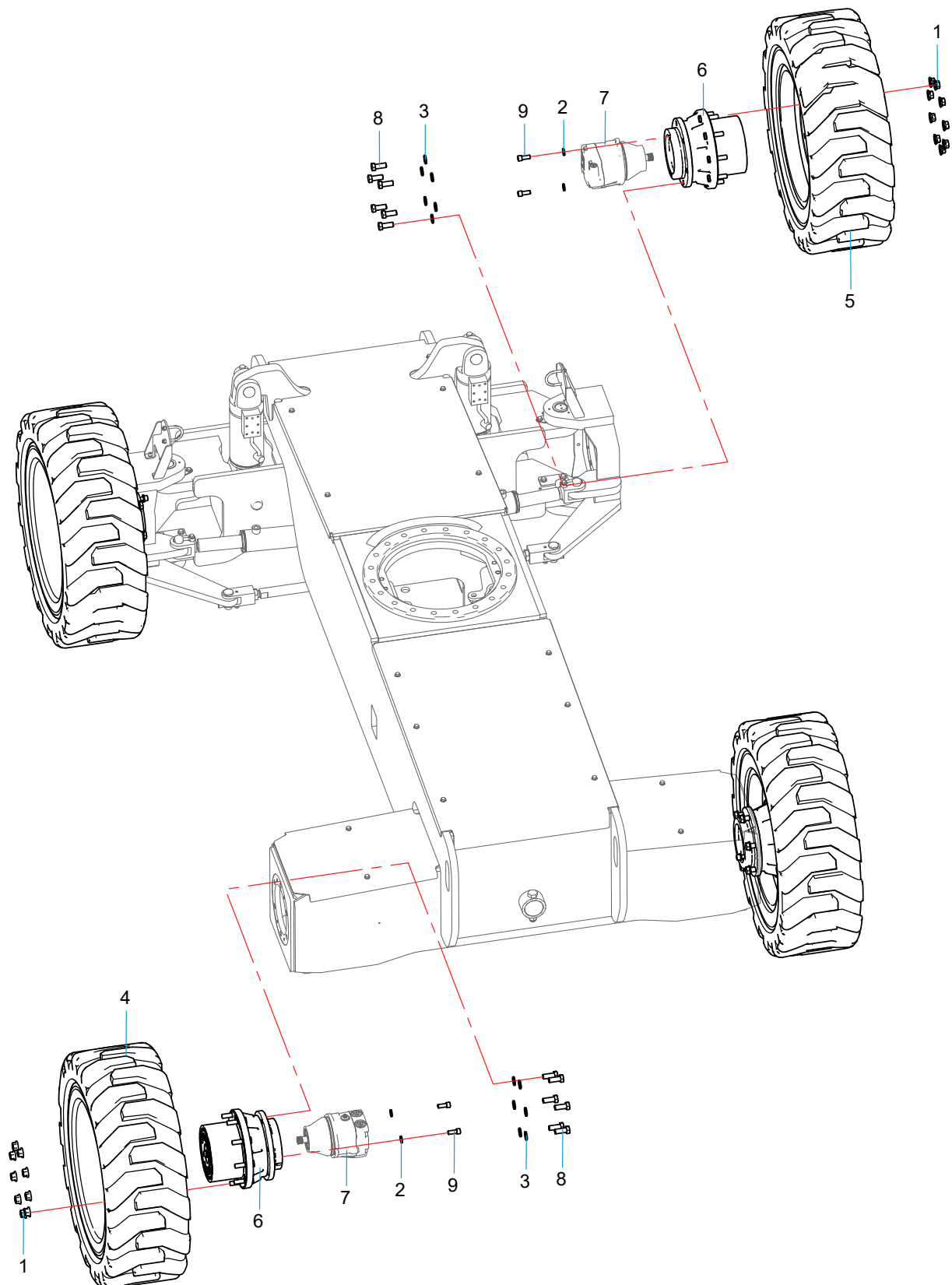
7.6.2	Load sensor options.....	440
7.6.3	Foot Switch Options.....	441
7.6.4	Platform Controller Assembly (PN.104030060016).....	442
7.6.5	Platform controller(PN.105050063019).....	445
7.6.6	Platform Controller Wiring Diagram (PN.104030060013).....	447
7.6.7	Cable Track Diagram (PN.104030060014).....	449
7.6.8	Platform Harness (PN.104030060012).....	450
7.6.9	Platform Harness (PN.114019060031).....	451
8	Schematic Diagram	453
8.1	Hydraulic Schematic Diagram.....	454
8.2	Electrical Schematic Diagram.....	457
9	Decals Diagram	463
9.1	General diagram of decals positions GB (AB15J Plus)	464
9.2	General diagram of decals positions (CE-Metric (AB15J Plus)	467
9.3	General diagram of decals positions (CE-Imperial (AB15J Plus))	470
9.4	General diagram of decals positions AS (AB15J Plus)	473
9.5	General diagram of decals positions (ANSI&CSA-Imperial (AB15J Plus))	476
10	Options	479
10.1	Half-height Mesh Installation Options.....	480
10.1.1	Half-height Mesh Installation (for 2.44m [8ft] Platform with Swing Gate) ...	481
10.1.2	Half-height Mesh Installation (for 1.45m [4.76ft] Platform with Swing Gate)	483
10.1.3	Half-height Mesh Installation (for 1.83m [6ft] Platform with Swing Gate) ...	485
10.2	Anti-pinch Hand Device Options.....	487
10.2.1	Anti-pinch hand device (for 1.83m [6ft] Platform with Swing Gate)	488
10.2.2	Anti-pinch hand device (for 1.45m [4.76ft] Platform with Swing Gate)	489
10.2.3	Anti-pinch hand device (for 2.44m [8ft] Platform with Swing Gate)	490
10.3	Secondary Guarding Installation Options.....	491
10.3.1	Secondary Guarding Installation.....	492
10.3.2	INST, operator protective device (HTV).....	494
10.4	AC Power Installation(Continuous rotation-Turntable length= 2.328 m)	496
10.4.1	AC Power Installation	497
10.4.2	AC Power Electrical Components Installation (PN.104030060089)	498
10.4.3	AC Power Electrical Components Installation (PN.104030060190)	500

10.4.4	Socket, waterproof Options	502
10.4.5	AC Power Plug Cord Options	503
10.4.6	Electrical Schematic Diagram of AC Power (Australia)	505
10.4.7	Electrical Schematic Diagram of AC Power	507
10.4.8	Electrical Schematic Diagram of AC Power (PN.105070063041)	508
10.5	AC Power Installation(Continuous rotation-Turntable length= 1.961 m & Non-continuous Rotation).....	509
10.5.1	AC Power Installation	510
10.5.2	AC Power Electrical Components Installation (PN.104030060026)	511
10.5.3	AC Power Electrical Components Installation (PN.104030060270)	513
10.5.4	Socket, waterproof Options	515
10.5.5	Power Plug Cord Options	516
10.5.6	Electrical Schematic Diagram of AC Power (Australia)	518
10.5.7	Electrical Schematic Diagram of AC Power	520
10.5.8	Electrical Schematic Diagram of AC Power (PN.105070063041)	521
10.6	Oil Options(Continuous rotation-Turntable length= 2.328 m)	522
10.6.1	Engine Oil Options	523
10.6.2	Diesel Oil Options	524
10.6.3	Antifreeze Solution Options	525
10.6.4	Hydraulic Oil Options	526
10.6.5	Gear Oil Options	527
10.7	Oil Options(Continuous rotation-Turntable length= 1.961 m & Non-continuous Rotation).....	528
10.7.1	Antifreeze options	529
10.7.2	Engine Oil Options	530
10.7.3	Diesel Oil Options	531
10.7.4	Hydraulic Oil Options	532
10.7.5	Gear Oil Options	533
10.8	On-board Spare Parts Options(Continuous rotation-Turntable length= 2.328 m)	534
10.8.1	On-board Spare Parts (Kubota V2403-CR-TIE4B-SBM-2 43.2kW (58 HP) Tier 4 Final Diesel Engine)	535
10.8.2	On-board Spare Parts (Kubota V2403-CE4 36kW Diesel Engine)	536
10.8.3	Manual Storage Container Installation	537
10.8.4	Overhead Protection Installation	538
10.8.5	Worklight installation	540

10.8.6	Tool box installation	541
10.8.7	INST, cradle (glass panel)	542
10.8.8	1.83m (6ft) Glass Mounting Bracket - Swing Open Door	544
10.8.9	Platform attachment installation	546
10.8.10	Oil Cooler Installation Piping Diagram.....	548
10.9	On-board Spare Parts Options (Continuous rotation-Turntable length= 1.961 m & Non-continuous Rotation)	550
10.9.1	On-board Spare Parts (Kubota Engine, D1105-EF02_CN4).....	551
10.9.2	On-board Spare Parts (Kubota V2403-CR-TIE4B)	552
10.9.3	On-board Spare Parts (Kubota V2403BM-DI-CT04).....	553
10.10	Cold-weather Heating Installation Options (Continuous rotation-Turntable length= 2.328 m).....	554
10.10.1	Cold-weather Heating Installation Options (Kubota V2403-CE4)	555
10.10.2	Cold-weather Heating Installation (Kubota V2403-CE4)	556
10.10.3	Cold-weather Heating Installation Options (Kubota V2403-M-E4)	558
10.10.4	Cold-weather Heating Installation (Kubota)	559
10.10.5	Fuel Heater Assembly	561
10.10.6	Fuel Tank Heating Harness	562
10.10.7	Battery Heating Harness (PN.105044063054)	564
10.10.8	Hydraulic Tank Heating Harness (PN.105044063061)	565
10.10.9	Power Plug Cord Options	566
10.10.10	Cold-weather Heating Schematic Diagram (PN.105044063044)	568
10.11	Hydraulic Generator Options(Continuous rotation-Turntable length= 2.328 m).....	569
10.11.1	Electrical Schematic Diagram of Hydraulic Generator (North American) ..	570
10.11.2	Hydraulic Generator Electrical Components Installation (North America) .	571
10.11.3	Electrical Schematic Diagram of Hydraulic Generator (Australia)	573
10.11.4	Hydraulic Generator Electrical Components Installation (Australia)	574
10.11.5	Generator Installation Piping Diagram.....	576
10.11.6	Generator Installation Piping Diagram.....	578
10.11.7	Hydraulic Generator Electrical Harness Diagram (North America)	580
10.11.8	Hydraulic Generator Electrical Harness Diagram (Australia)	581
10.11.9	Adapter Cable (PN.104032060054)	582
10.11.10	Waterproof Socket Installation Options.....	583

1 CHASSIS ASSEMBLY

1.1 DRIVE INSTALLATION



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

1.2 LEFT TIRE ASSEMBLY OPTIONS

No.	Part No.	Qty.	Description
1	104009030020	1	ASSY, tyre (non-marking, L)(33×12-20)
2	104021033013	1	Tire assembly, foam-filled, left(33×12D610)
3	105074033025	1	ASSY, tire (foam-filled, NM,L) [Z](33×12D610 (Mark-free foam tire))
4	104021030010	1	ASSY, tire (NM,L)(33×12-20 (Mark-free solid tire))

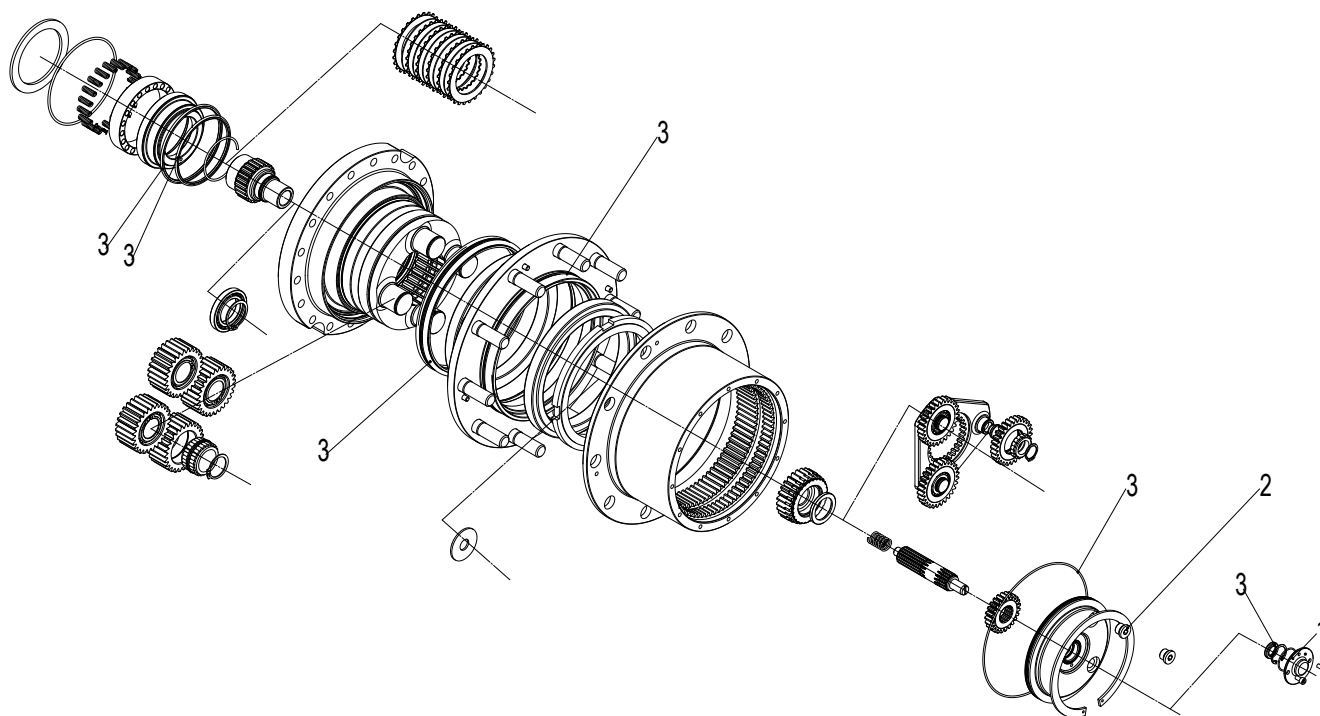
1.3 RIGHT TIRE ASSEMBLY OPTIONS

No.	Part No.	Qty.	Description
1	105074033026	1	ASSY, tire (foam-filled, NM, R)[Z](33×12D610 (Mark-free foam tire))
2	104021033014	1	Tire assembly, foam-filled, right(33×12D610)
3	104021030011	1	ASSY, tire (foam-filled, NM, R)(33×12-20 (Mark-free solid tire))
4	104009030013	1	ASSY, tyre (solid, R)(33×12-20)

1.4 DRIVE REDUCER OPTIONS

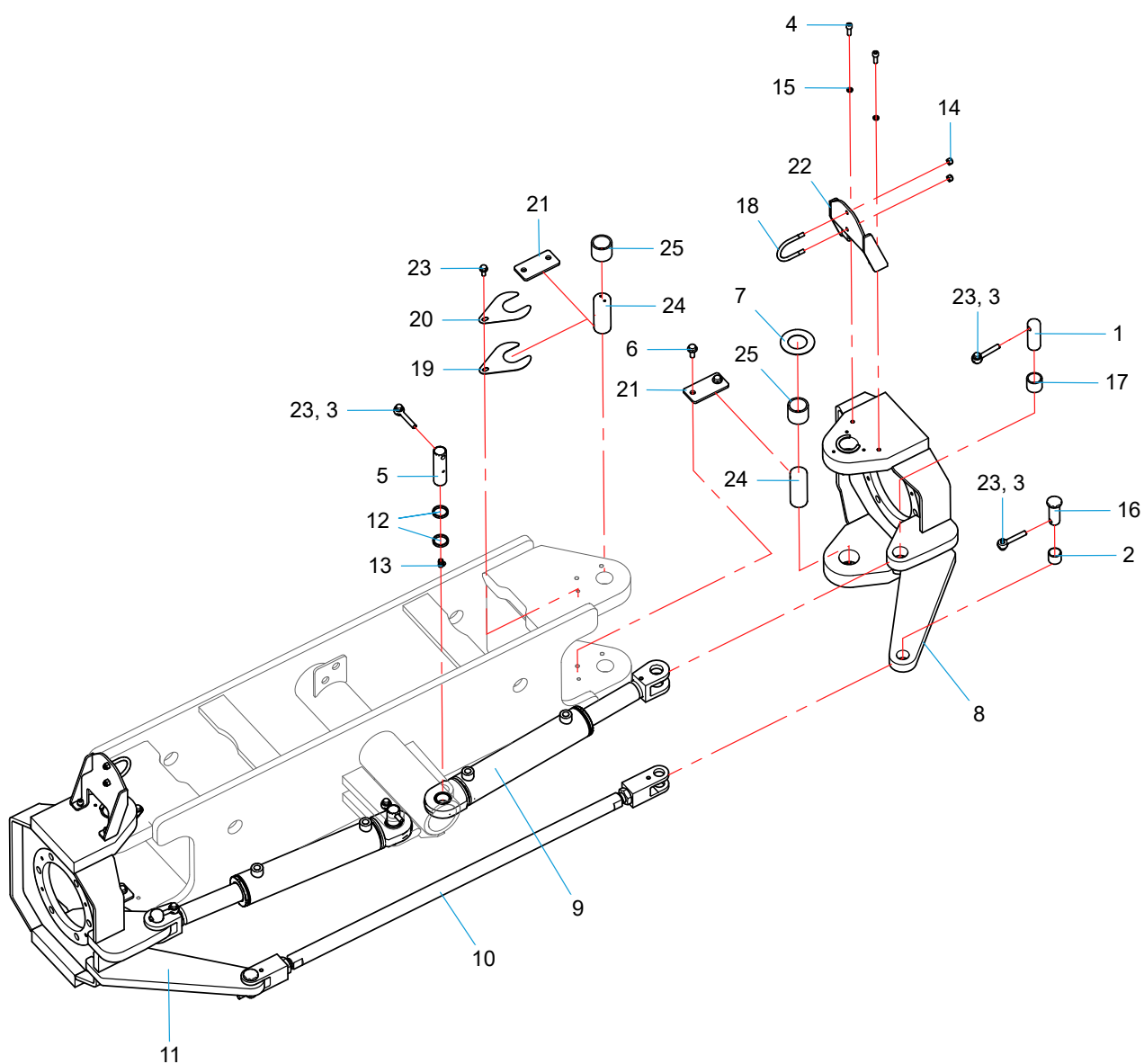
No.	Part No.	Qty.	Description
1	204020000026	1	Reducer(1000138, See later for subcomponent information)
2	204020000036	1	Planetary reducer(1000154)
2a	207990003211	1	Sealed bag
3	204020000020	1	Reducer(08.280)
4	204020000005	1	Reducer(14.066)

1.5 DRIVE REDUCER (PN.204020000026)



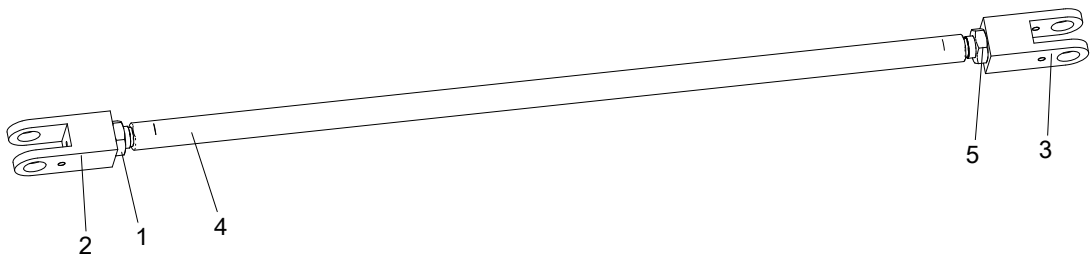
No.	Part No.	Qty.	Description
1	201990003020	1	Small end cap
2	207080003000	2	Oil plug
3	207060003012	1	Seal kit

1.6 STEER INSTALLATION



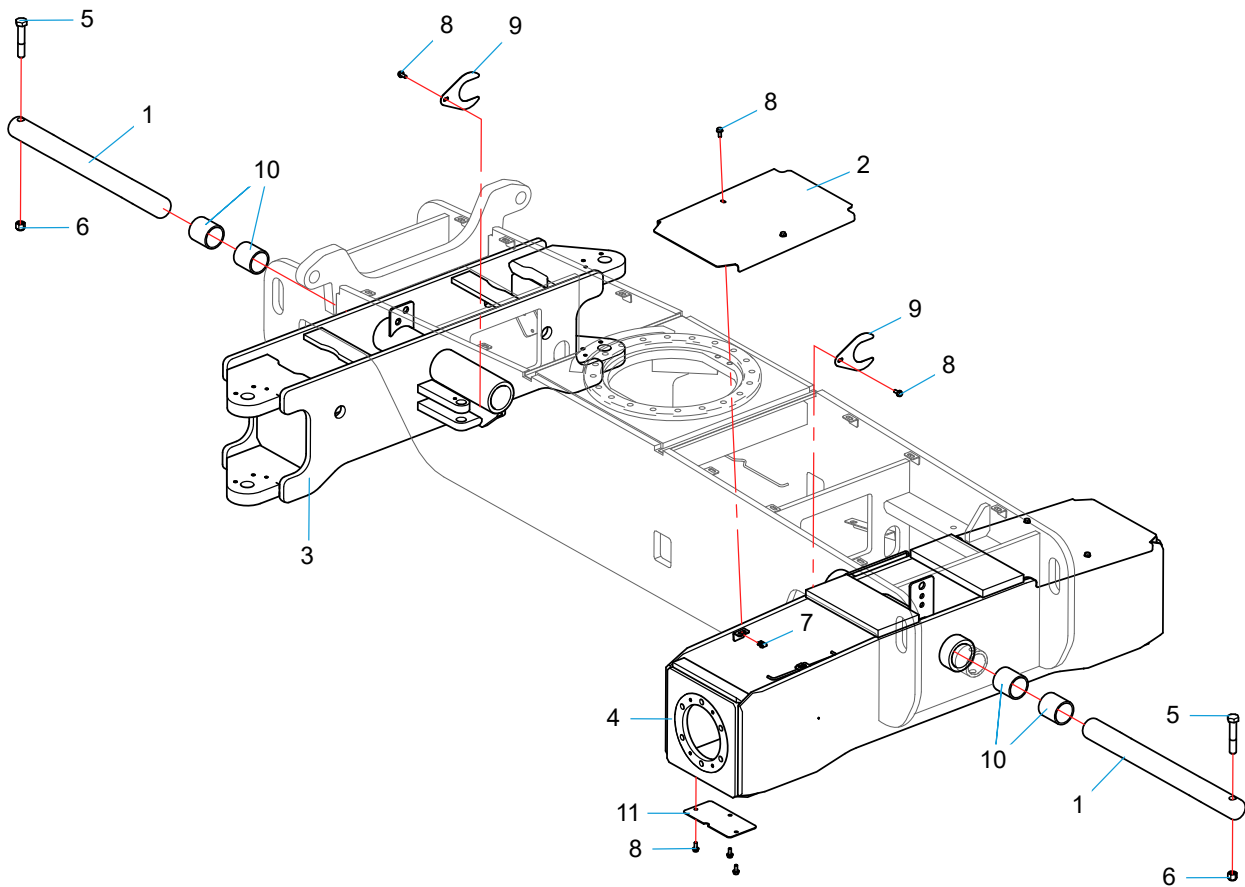
No.	Part No.	Qty.	Description
1	105001030060	2	Shaft XGΦ30-80[Z]
2	214030000035	2	Self-lubricating bearing
3	101012010044	6	Keeper pin
4	215020000024	4	Screw M8×25-8.8-ZnD GB/T 70.1
5	105001030055	2	Shaft XGΦ30-105 [Z]
6	215010000238	6	Bolt M10×25-8.8-ZnD GB/T 5789
7	105001030054	2	Washer
8	103011033049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

1.7 STEER LINKAGE



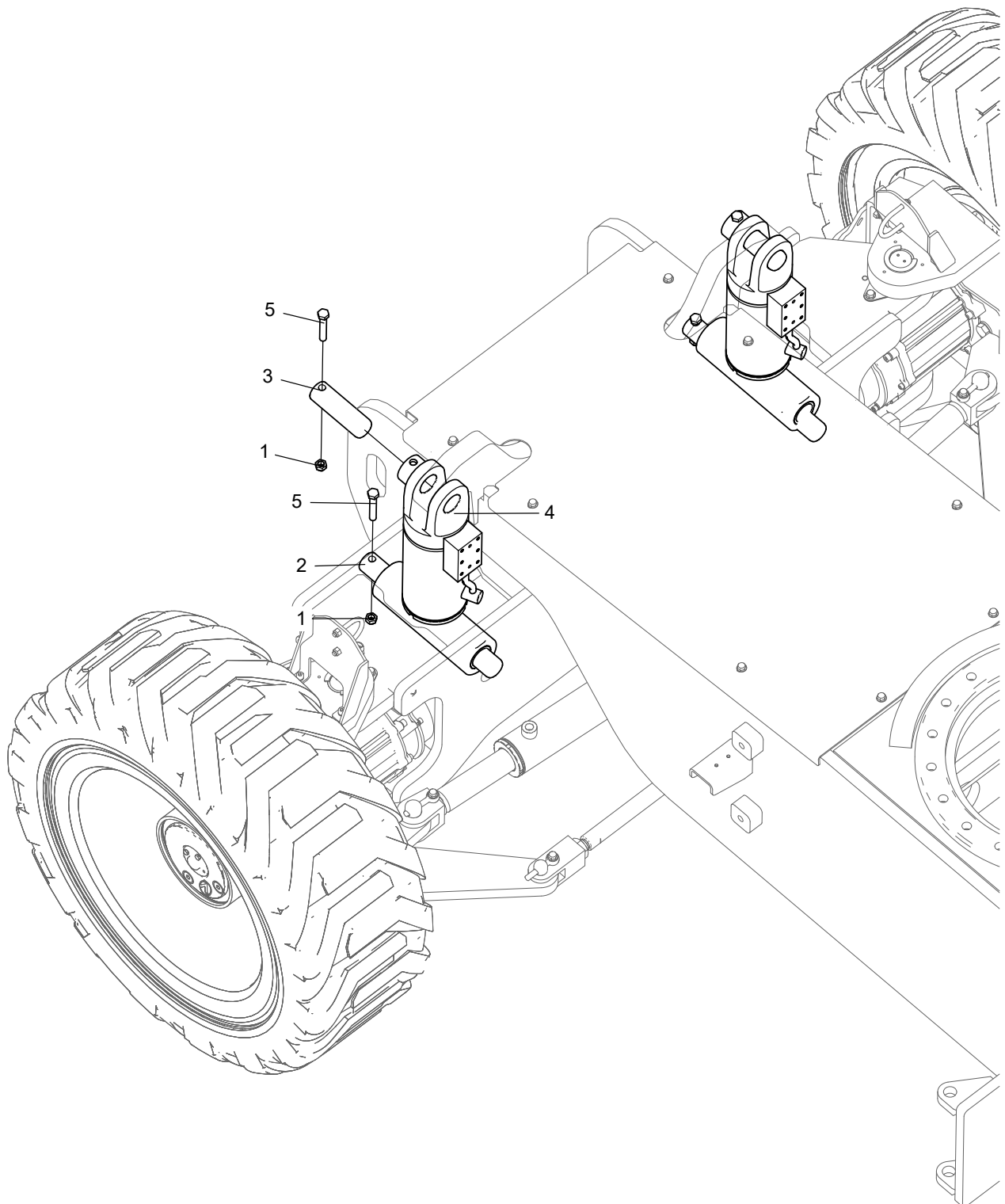
No.	Part No.	Qty.	Description
1	215030000077	1	Nut M24×2-LH-8 GB/T6173
2	104009030042	1	Mounting head 1
3	104009030062	1	Mounting head 2
4	103011033059	1	Rod, connecting
5	215030000076	1	Nut M24×2-8-ZnD GB/T6173

1.8 AXLE INSTALLATION



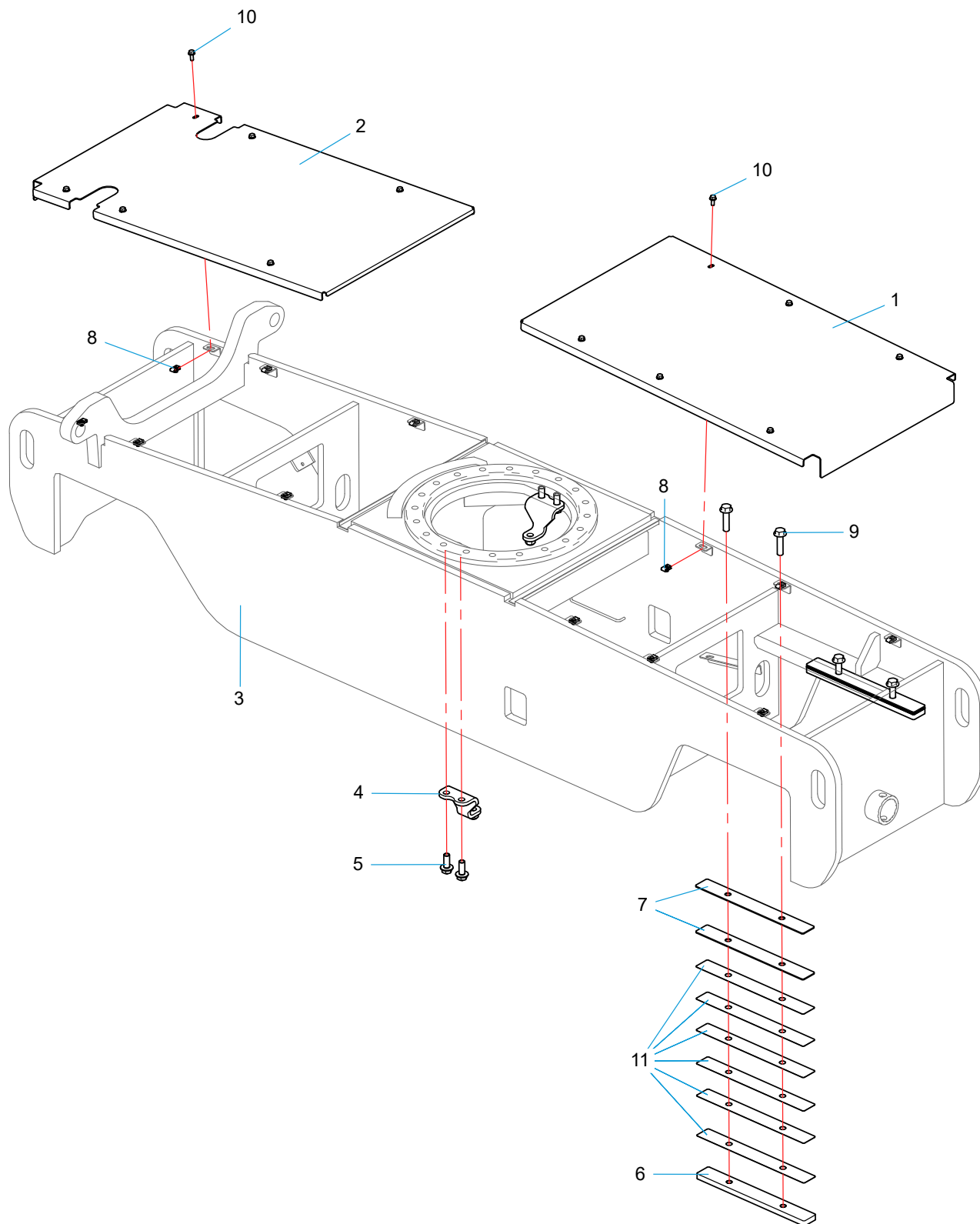
No.	Part No.	Qty.	Description
1	105001030043	2	Shaft XGΦ65-695[Z]
2	103011033064	2	Plate, cover (small)
3	103011033029	1	Outrigger, front [Z]
4	103011033023	1	Outrigger, rear [Z]
5	215010000219	2	Bolt M20×110-8.8-ZnD GB/T 5782
6	215030000098	2	Nut M20-8-ZnD GB/T 889.1
7	215030000106	4	B type spring nuts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

1.9 OSCILLATE CYLINDER INSTALLATION



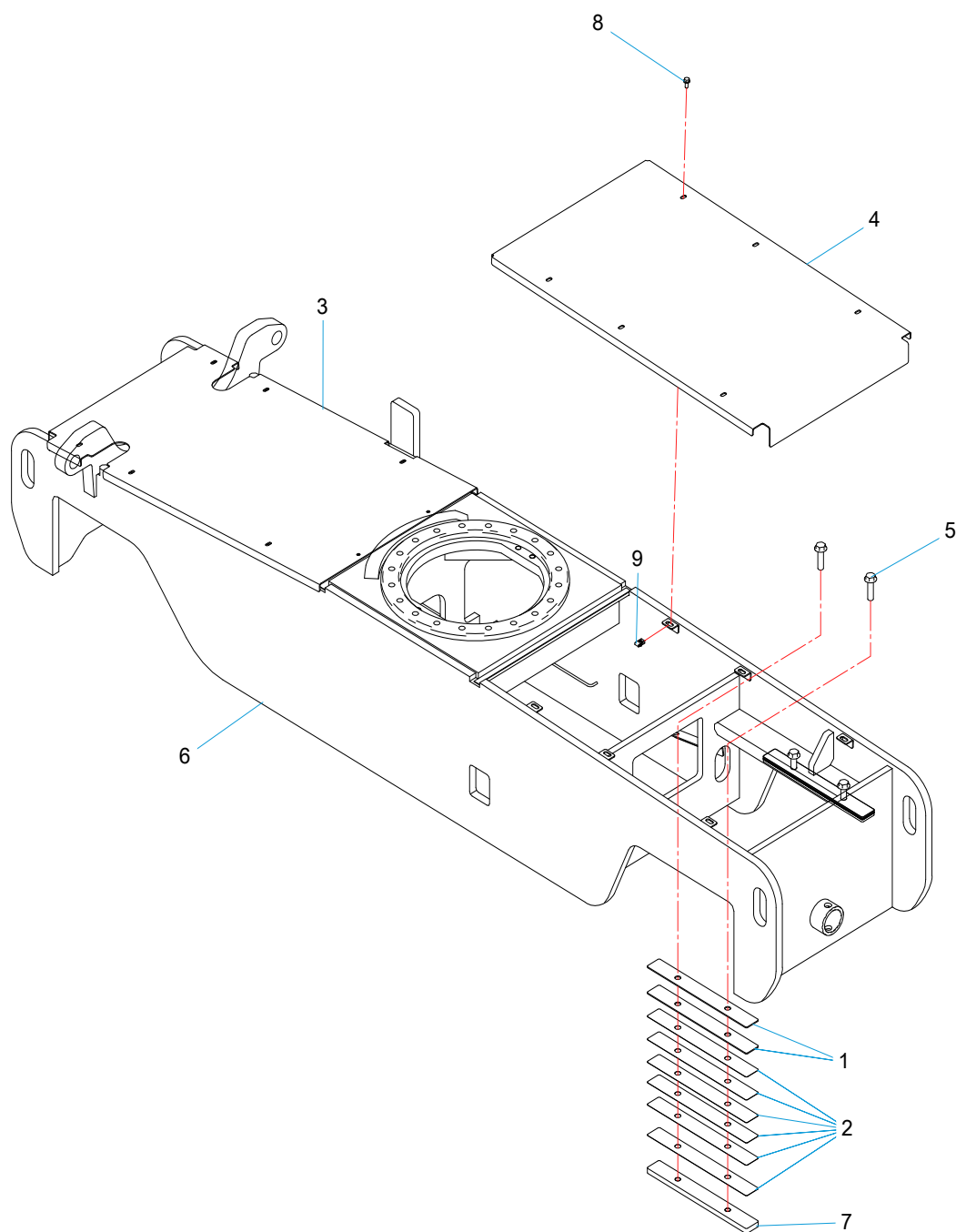
No.	Part No.	Qty.	Description
1	215030000029	4	Nut M12-8-ZnD GB/T 6184
2	103008030060	2	Shaft XGΦ40-340[Z]
3	104008030005	2	Shaft XGΦ40-125[Z]
4	105001030077	2	Cylinder, support(C)
4a	207990003892	1	Seal kit, cylinder
5	215010000106	4	Bolt M12×70-8.8-ZnD GB/T 5783

1.10 CHASSIS ACCESSORY INSTALLATION (CONTINUOUS ROTATION)



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

1.11 CHASSIS ACCESSORY INSTALLATION (NON-CONTINUOUS ROTATION)



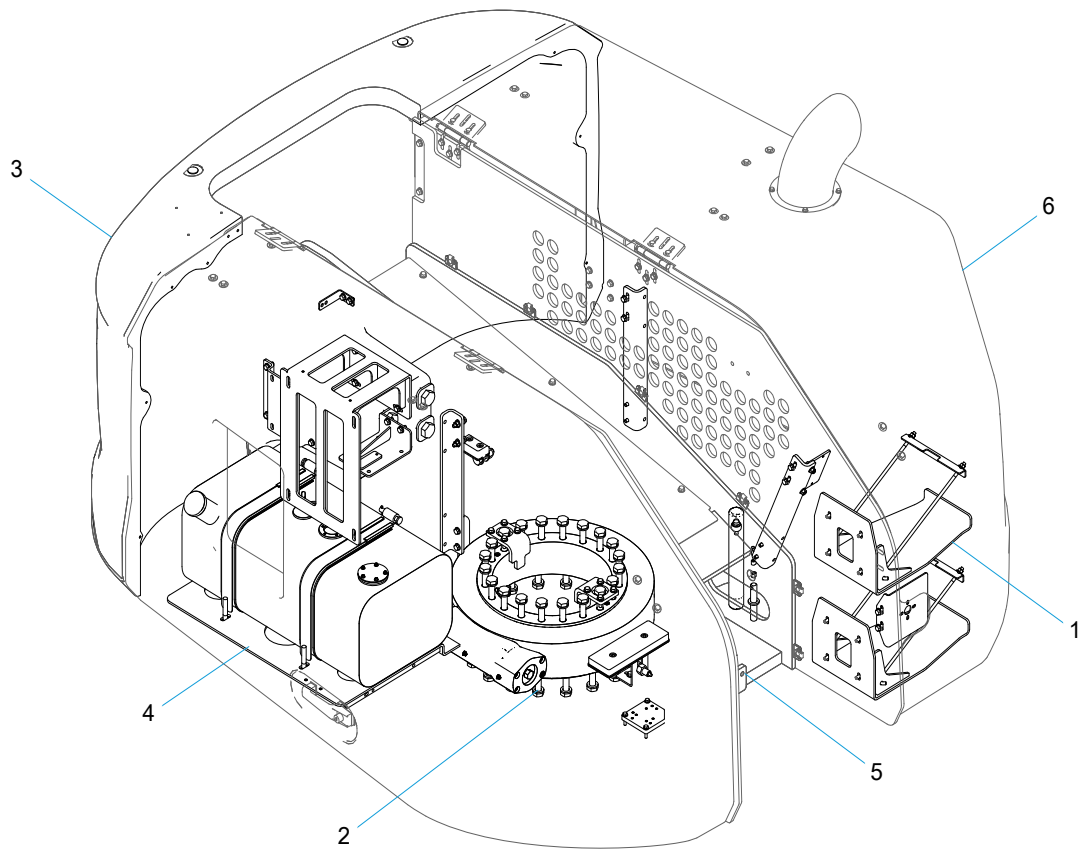
No.	Part No.	Qty.	Description
1	103008033057	4	Pad, adjusting
2	105031030011	12	Pad, adjusting
3	104030030010	1	Cover
4	105084033060	1	Plate, cover
5	215010000225	4	Bolt M16×65-10.9-DKL GB/T 5789
6	104030030011	1	Chassis[Z]
7	105031030026	2	Plate, backing
8	215010000234	12	Bolt M8×20-8.8-ZnD GB/T 5789
9	215030000106	12	B type spring nuts

This Page Intentionally Left Blank

2 TURNTABLE ASSEMBLY

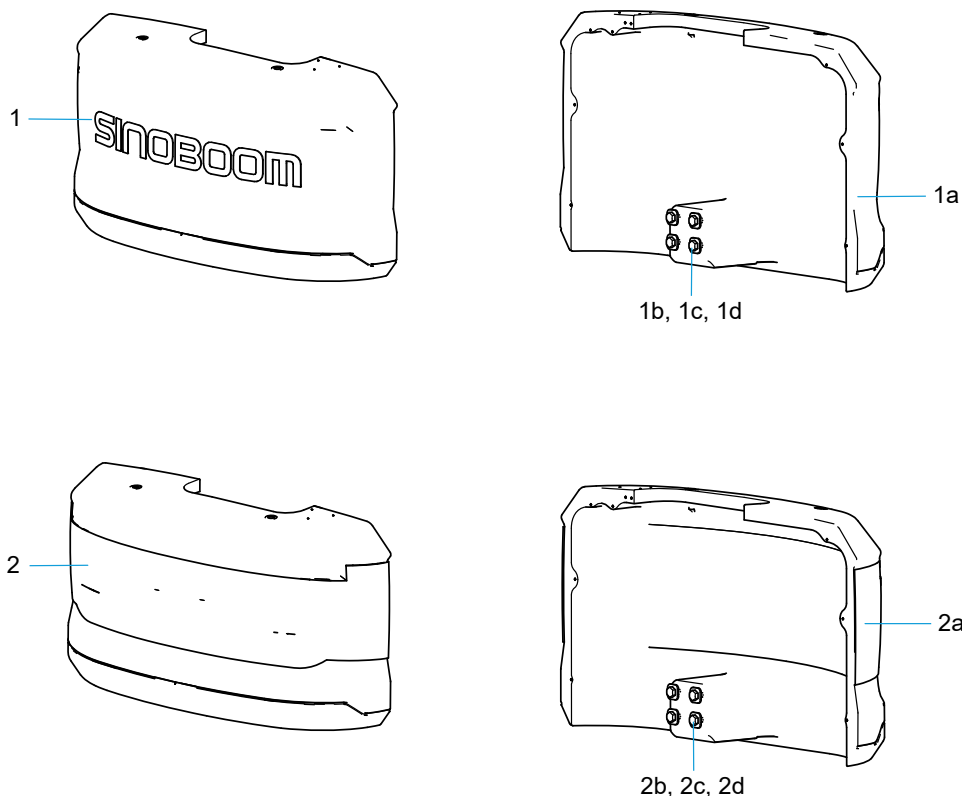
2.1 TURNTABLE ASSEMBLY (CONTINUOUS ROTATION- TURNTABLE LENGTH= 2.328 M)

2.1.1 TURNTABLE ASSEMBLY



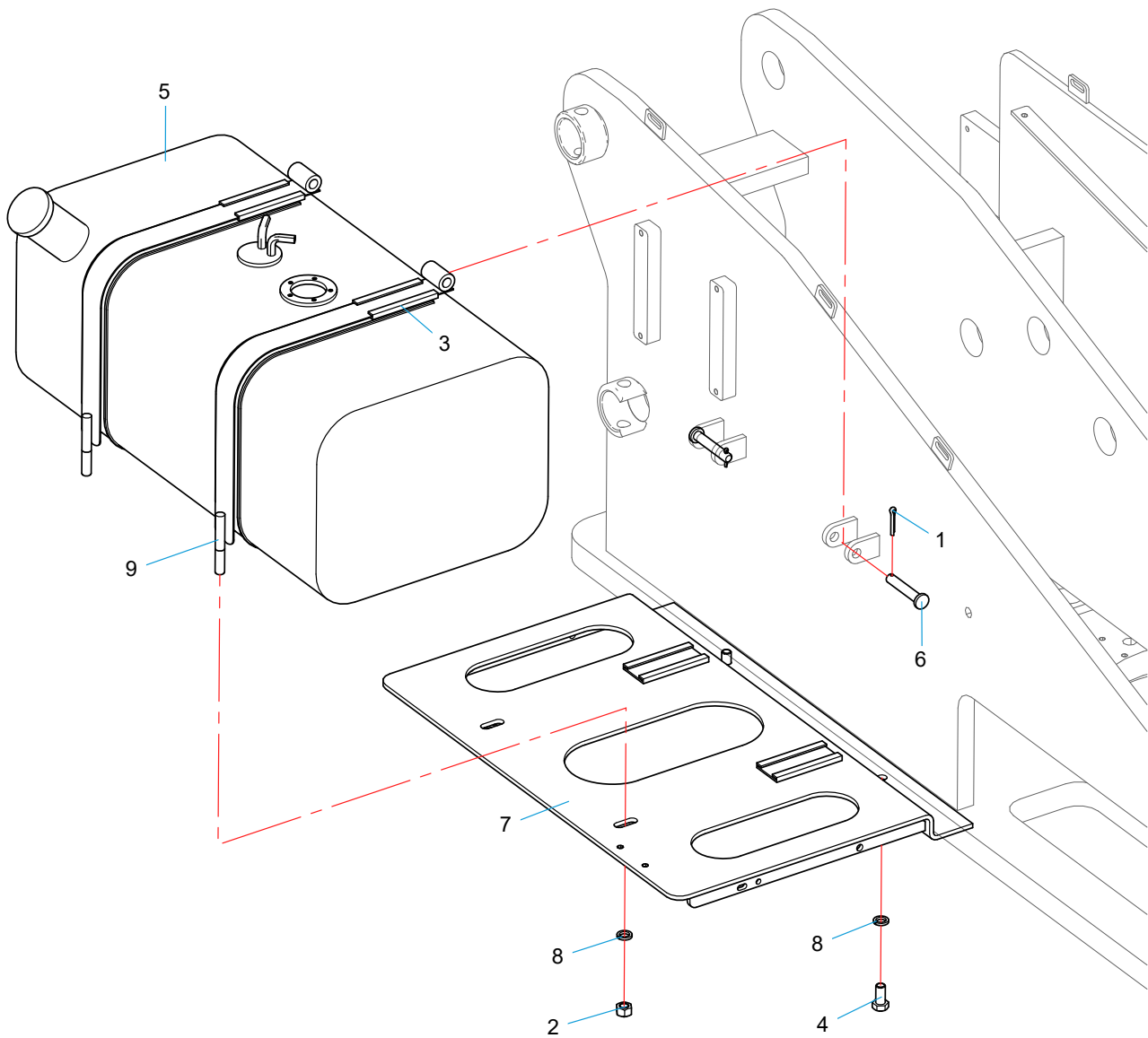
No.	Part No.	Qty.	Description
1	104030020188	1	INST, attachment(turntable)
2	104030020126	1	Slewing mechanism
3	104030020058	1	Options,Counterweight
3-1	104030020057	1	Counterweight installation
3-2	104030020059	1	Counterweight installation
4	104030020128	1	OPT,INST,fuel tank
4-1	104030020099	1	Fuel tank assembly
4-2	104030020121	1	INST, tank(fuel heater)
4-3	104030020125	1	INST, tank(end cap)
5	104030020176	1	Turntable structure[Z]
6	104030020197	1	Cover ASSY, turntable

2.1.2 COUNTERWEIGHT OPTIONS



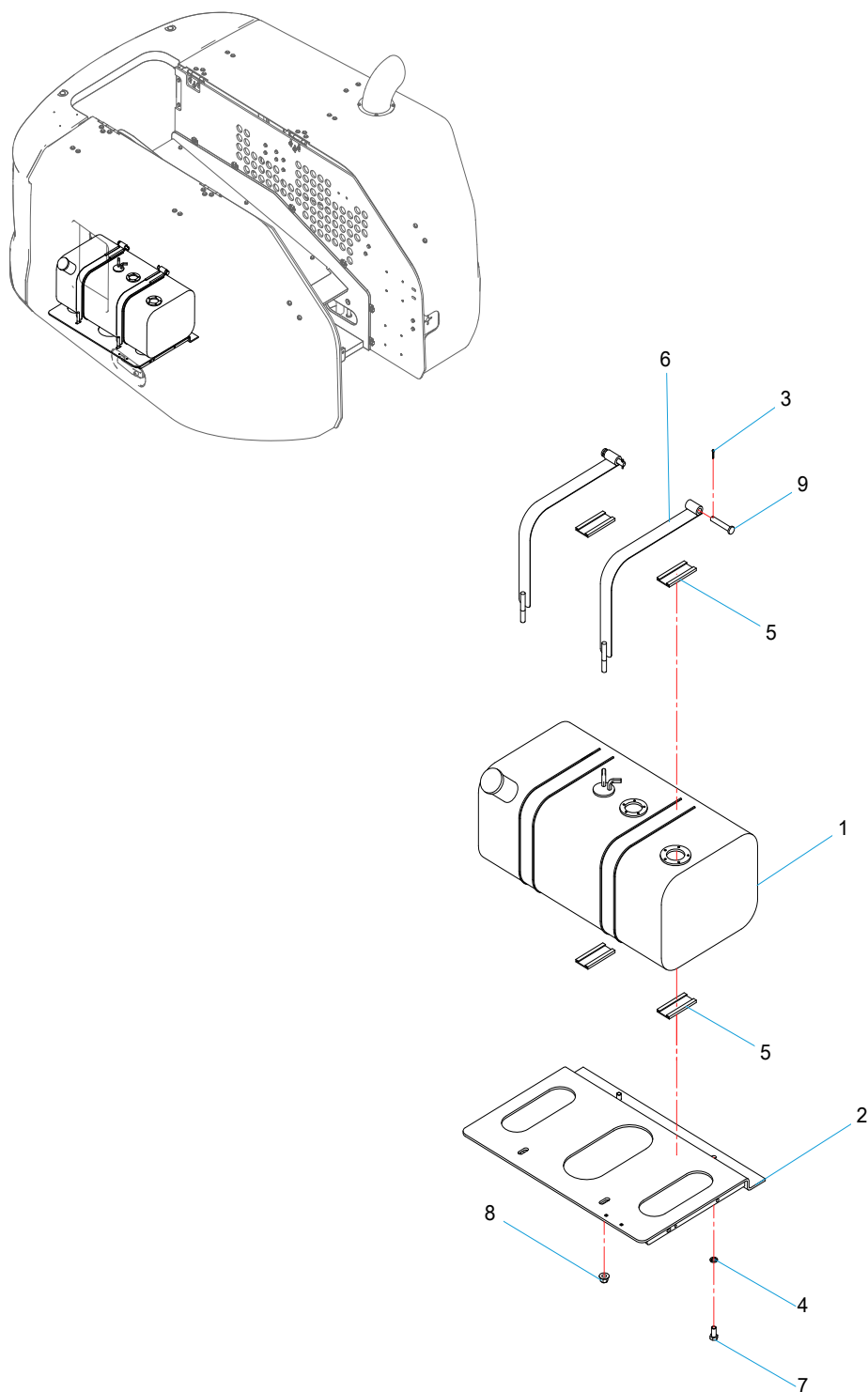
No.	Part No.	Qty.	Description
1	104030020057	1	Counterweight installation(With SINOBOOM logo)
1a	104021020012	1	Counterweight[Z](With SINOBOOM logo)
1b	213060003001	2	Hole plug
1c	105001020138	4	Pad
1d	215010000164	4	Bolt M24×70-8.8-ZnD GB/T 5783
2	104030020059	1	Counterweight installation(Without SINOBOOM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

2.1.3 FUEL TANK INSTALLATION



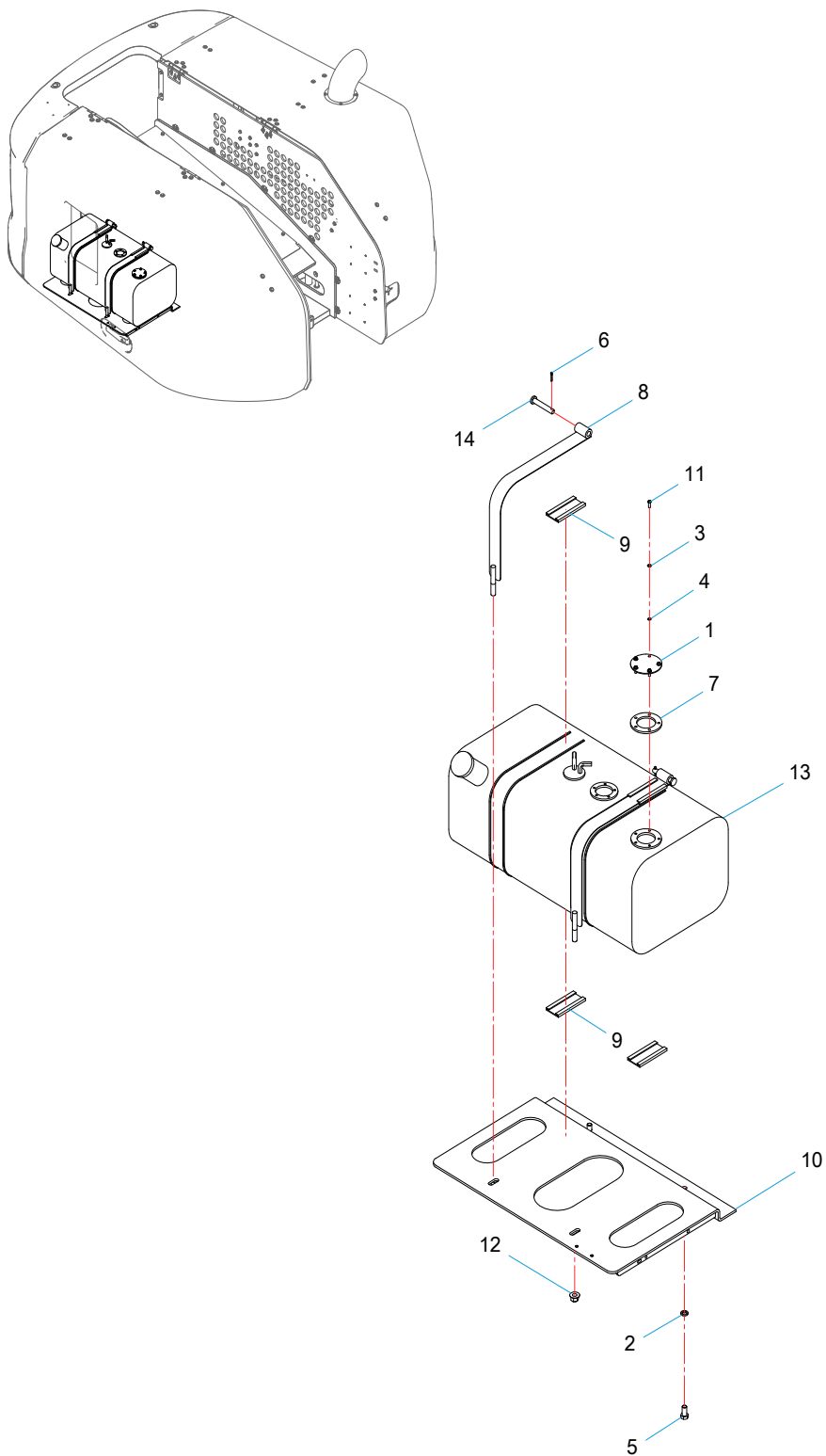
No.	Part No.	Qty.	Description
1	215060000003	2	Pin 3.2×16-ZnD GB/T 91
2	215030000008	2	Nut M12-8-ZnD GB/T 6170
3	216030000023	4	Double U-typed clamp
4	215010000089	2	Bolt M12×25-8.8-ZnD GB/T 5783
5	104015020009	1	Tank, fuel
6	215060000034	2	Clevis pin B12×70-ZnD GB/T 882
7	104021020014	1	Bottom plate,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

2.1.4 FUEL TANK INSTALLATION (HEATER)



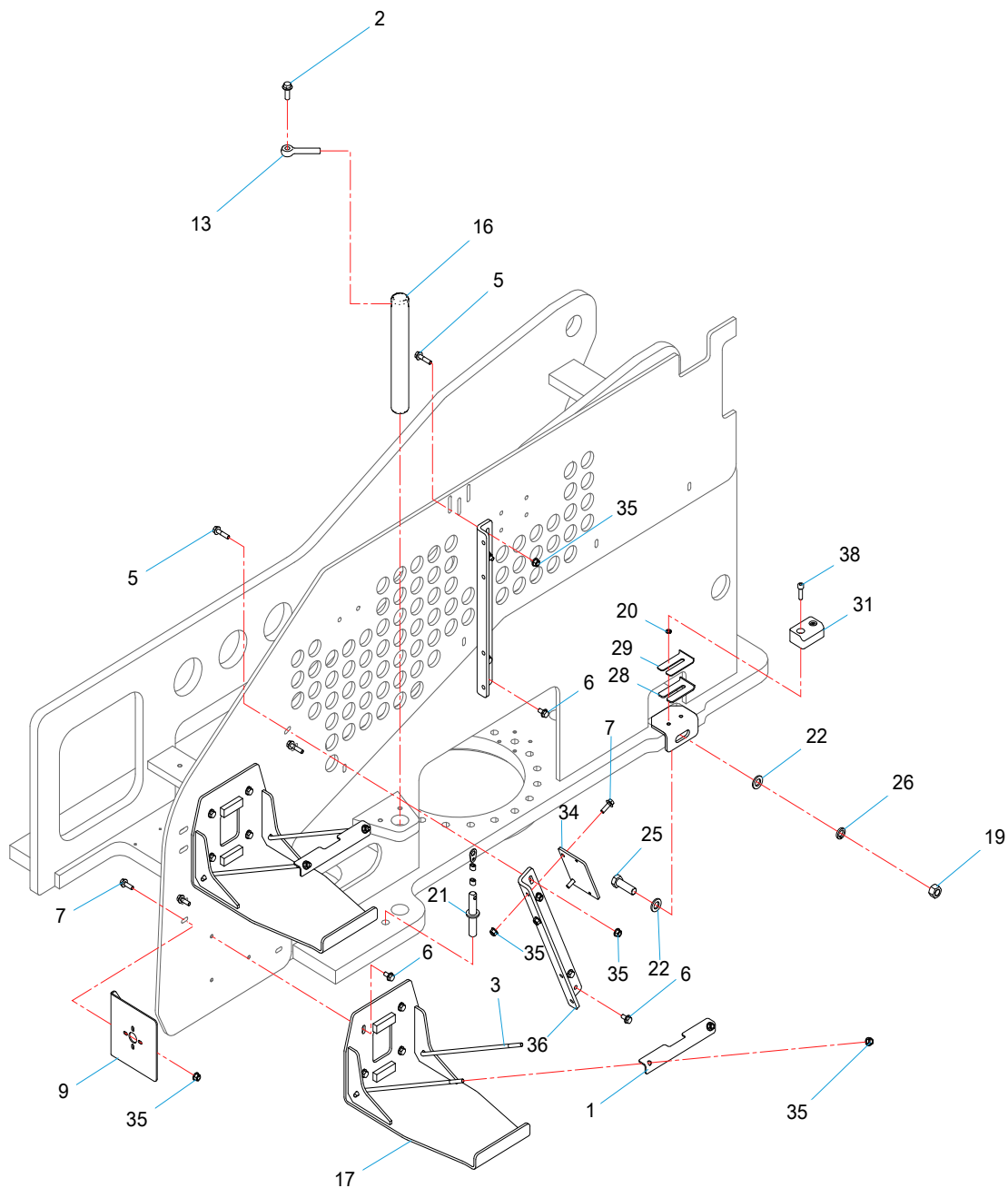
No.	Part No.	Qty.	Description
1	104021023080	1	Tank,fuel(heater)
2	104021020014	1	Bottom plate, oil tank
3	215060000003	2	Pin 3.2×16-ZnD GB/T 91
4	215040000007	2	Washer 12-ZnD GB/T 93
5	216030000023	4	Double U-typed clamp
6	104015020011	2	Safety belt
7	215010000089	2	Bolt M12×25-8.8-ZnD GB/T 5783
8	215030000110	2	Nut M12-8-ZnD GB/T 6183
9	215060000034	2	Clevis pin B12×70-ZnD GB/T 882

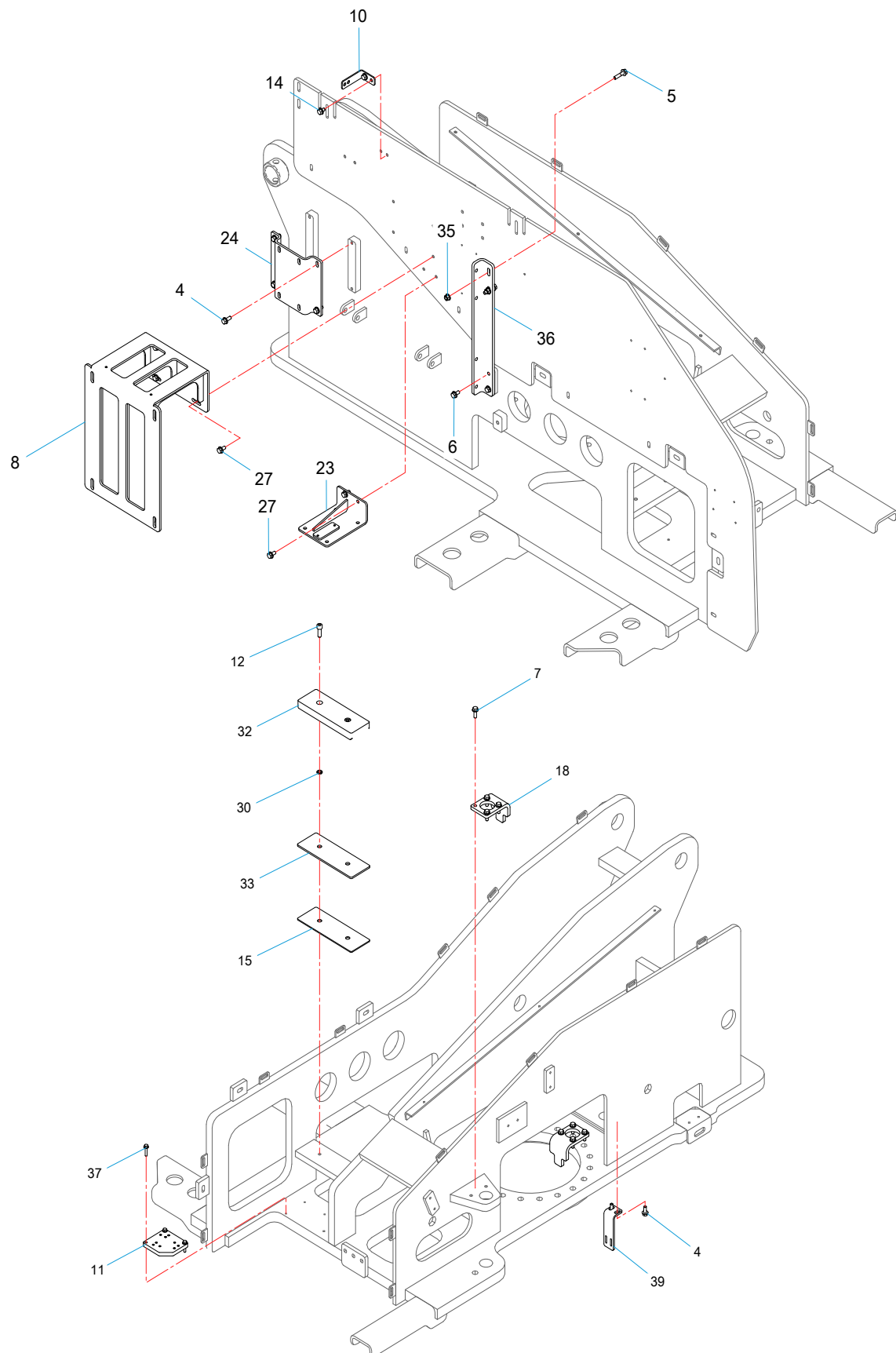
2.1.5 FUEL TANK INSTALLATION (PLUG)



No.	Part No.	Qty.	Description
1	104022023130	1	Plate
2	215040000007	2	Washer 12-ZnD GB/T 93
3	2150400000032	5	Washer 5-A2 GB/T 97.1
4	2150400000003	5	Washer 5-A2-70 GB/T 93
5	2150100000089	2	Bolt M12×25-8.8-ZnD GB/T 5783
6	2150600000003	2	Pin 3.2×16-ZnD GB/T 91
7	104022023129	1	Pad, rubber
8	104015020011	2	Safety belt
9	2160300000023	4	Double U-typed clamp
10	104021020014	1	Bottom plate, oil tank
11	2150200000111	5	Screw M5×16-A2-70 GB/T 818
12	2150300000110	2	Nut M12-8-ZnD GB/T 6183
13	104021023080	1	Tank, fuel(heater)
14	2150600000034	2	Clevis pin B12×70-ZnD GB/T 882

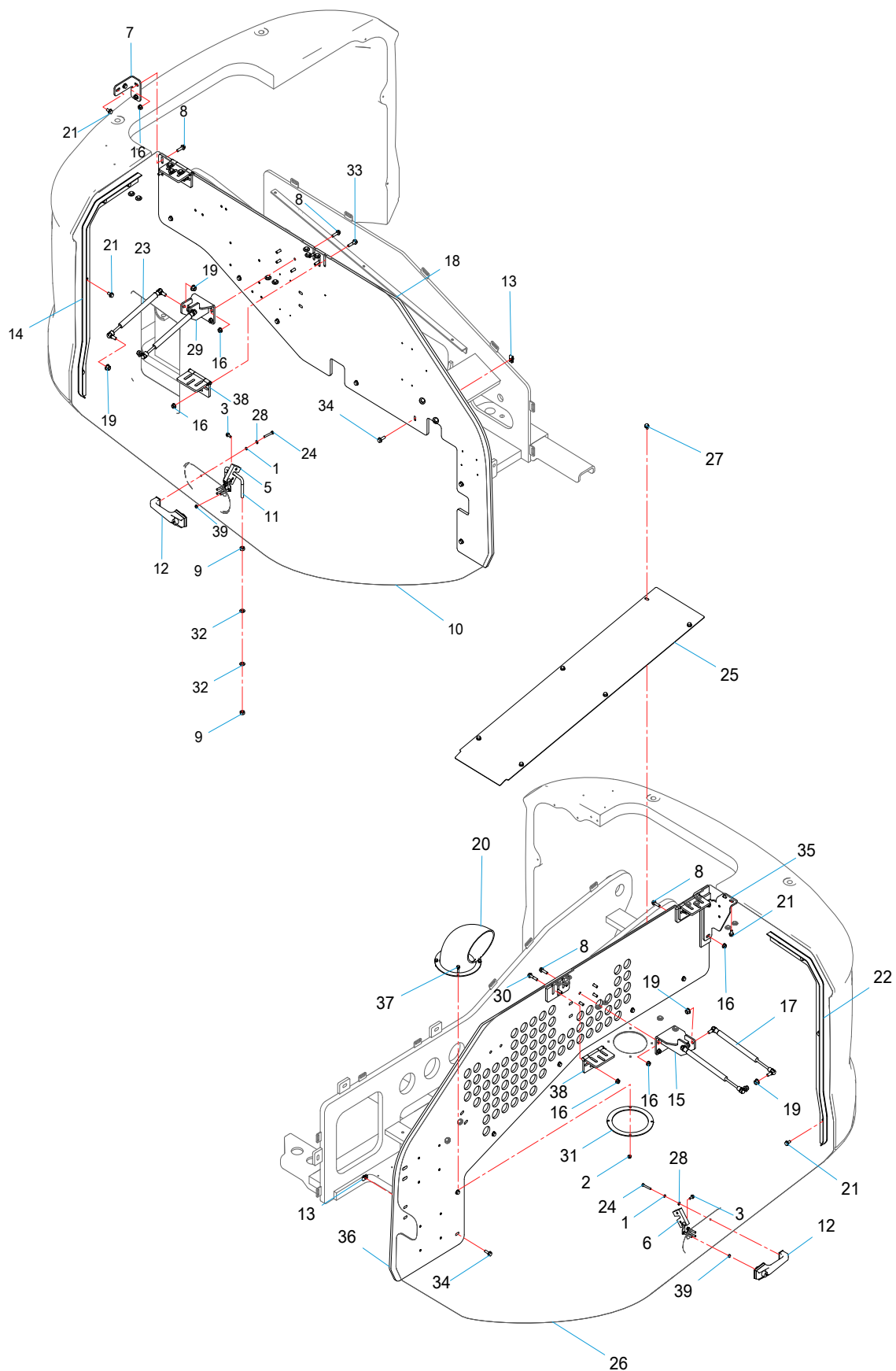
2.1.6 TURNTABLE ACCESSORY INSTALLATION





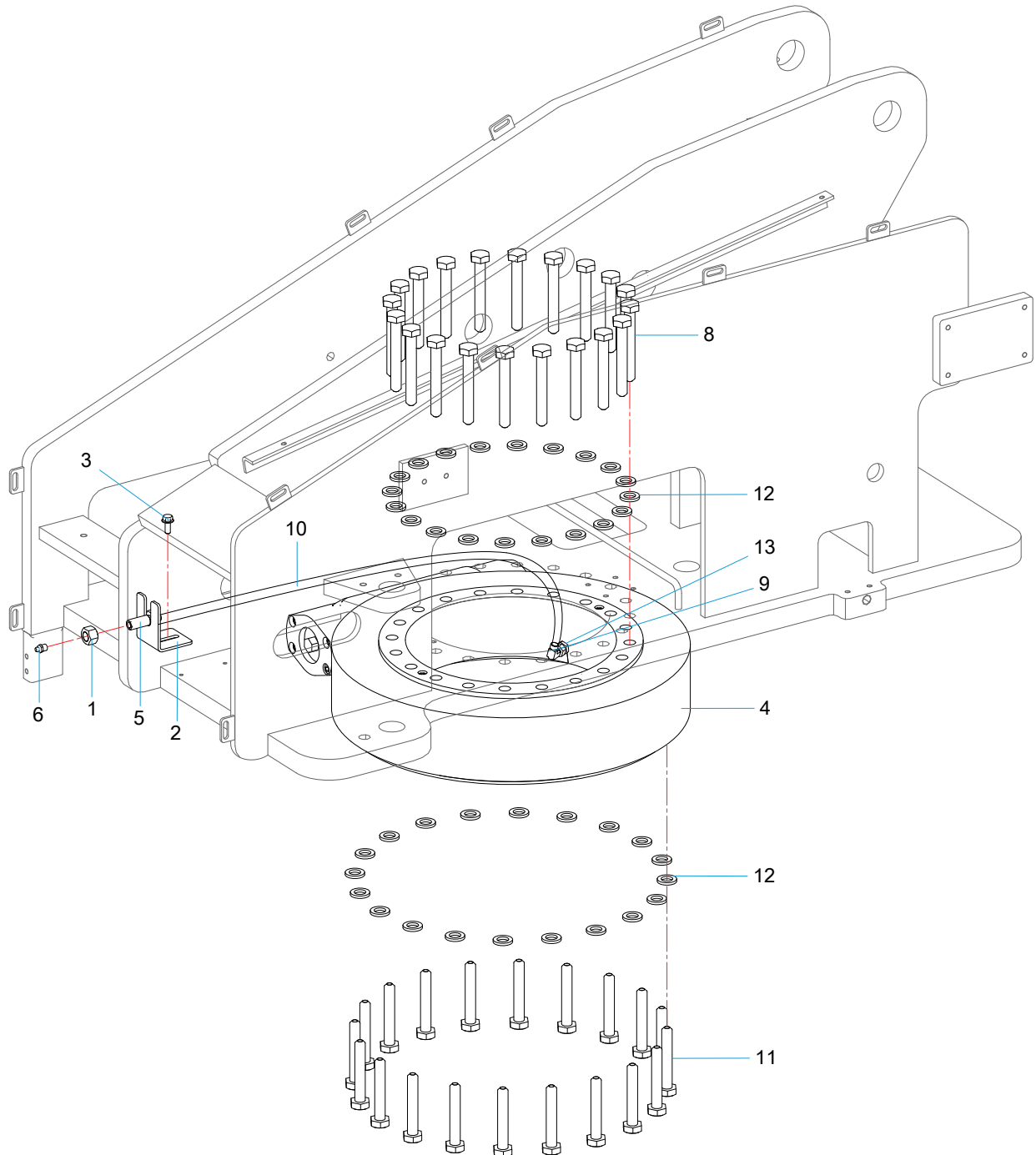
No.	Part No.	Qty.	Description
1	104030020211	2	Block, press
2	215010000239	1	Bolt M10×30-8.8-ZnD GB/T 5789
3	104030020221	4	Rod, tie
4	215010000234	6	Bolt M8×20-8.8-ZnD GB/T 5789
5	215010000379	6	Bolt M8×35-10.9-DKL GB/T 5789
6	215010000263	14	Bolt M8×16-10.9-DKL GB/T 5789
7	215010000235	12	Bolt M8×25-8.8-ZnD GB/T 5789
8	104021020082	1	Bracket
9	104030020204	1	Plate, folded
10	104030020347	1	Plate, folded
11	105074023184	1	Plate
12	215020000050	2	Screw M10×30-8.8-ZnD GB/T 70.1
13	209020000002	1	Pin
14	215010000233	2	Bolt M8×12-8.8-ZnD GB/T 5789
15	104009020159	1	Shim
16	104009020077	1	Pin XGΦ40-295[Z]
17	104030020202	2	Base, mounting (battery)
18	105084023031	2	Plate
19	215030000010	1	Nut M16-8-ZnD GB/T 6170
20	215040000005	2	Washer 8-ZnD GB/T 93
21	105001020178	1	Safety pin
22	215040000039	2	Washer 16-200HV-ZnD GB/T 97.1
23	104030020218	1	Bracket
24	104009020069	1	Bracket
25	215010000115	1	Bolt M16×50-10.9-DKL GB/T 5783
26	215040000008	1	Washer 16-ZnD GB/T 93
27	215010000286	6	Bolt M8×16-8.8-ZnD GB/T 5789
28	104009020068	1	Shim
29	104009020066	1	Shim
30	215040000006	2	Washer 10-ZnD GB/T 93
31	104009020075	1	Block
32	104009020074	1	Block
33	104009020158	1	Shim
34	104030020250	1	Plate
35	215030000108	14	Nut M8-8-ZnD GB/T 6183.1
36	104030020231	3	Plate, folded
37	215010000282	3	Bolt M6×30-8.8-ZnD GB/T 5789
38	215020000025	2	Screw M8×30-8.8-ZnD GB/T 70.1
39	104009020071	1	Plate, folded

2.1.7 TURNTABLE COVER INSTALLATION



No.	Part No.	Qty.	Description
1	215040000004	6	Washer 6-A2-70 GB/T 93
2	215030000107	4	Nut M6-A2-70 GB/T 6183.1
3	215010000230	4	Bolt M6×16-8.8-ZnD GB/T 5789
4	216030000004	2	Seal strip(no mark)
5	209050000003	1	Latch, left
6	209050000002	1	Latch, right
7	104021020001	1	Bracket
8	215010000236	15	Bolt M8×30-8.8-ZnD GB/T 5789
9	215030000006	4	Nut M10-8-ZnD GB/T 6170
10	104030020198	1	Cover ASSY, turntable (L)
11	105021020163	1	U-bolt
12	209030000009	2	Lock handle
13	215030000106	13	B type spring nuts
14	104021020027	1	Bracket
15	104030020258	1	Bracket, gas strut (L)
16	215030000108	24	Nut M8-8-ZnD GB/T 6183.1
17	210010000049	2	Gas strut
18	104030020184	1	Plate, side (L)
19	215030000109	8	Nut M10-8-ZnD GB/T 6183.1
20	105038020045	1	Weldment, exhaust elbow
21	215010000286	11	Bolt M8×16-8.8-ZnD GB/T 5789
22	104030020116	1	Bracket
23	210010000098	2	Gas strut
24	215010000054	8	Bolt M6×40-A2-70 GB/T 5783
25	104030020064	1	Cover plate
26	104030020195	1	Cover ASSY, turntable (R)
27	215010000233	6	Bolt M8×12-8.8-ZnD GB/T 5789
28	215040000033	6	Washer 6-A2 GB/T 97.1
29	104030020259	1	Bracket, gas strut (L)
30	215010000297	3	Bolt M8×40-8.8 ZnD GB/T 5789
31	105038020018	1	Bottom plate
32	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1
33	215010000296	6	Bolt M8×35-8.8 ZnD GB/T 5789
34	215010000235	13	Bolt M8×25-8.8-ZnD GB/T 5789
35	104016020011	1	Bracket
36	104030020193	1	Plate, side (R)
37	215010000232	4	Bolt M6×25-8.8-ZnD GB/T 5789
38	105001020118	4	Hinge
39	215030000004	2	Nut M6-A2-70 GB/T 6170

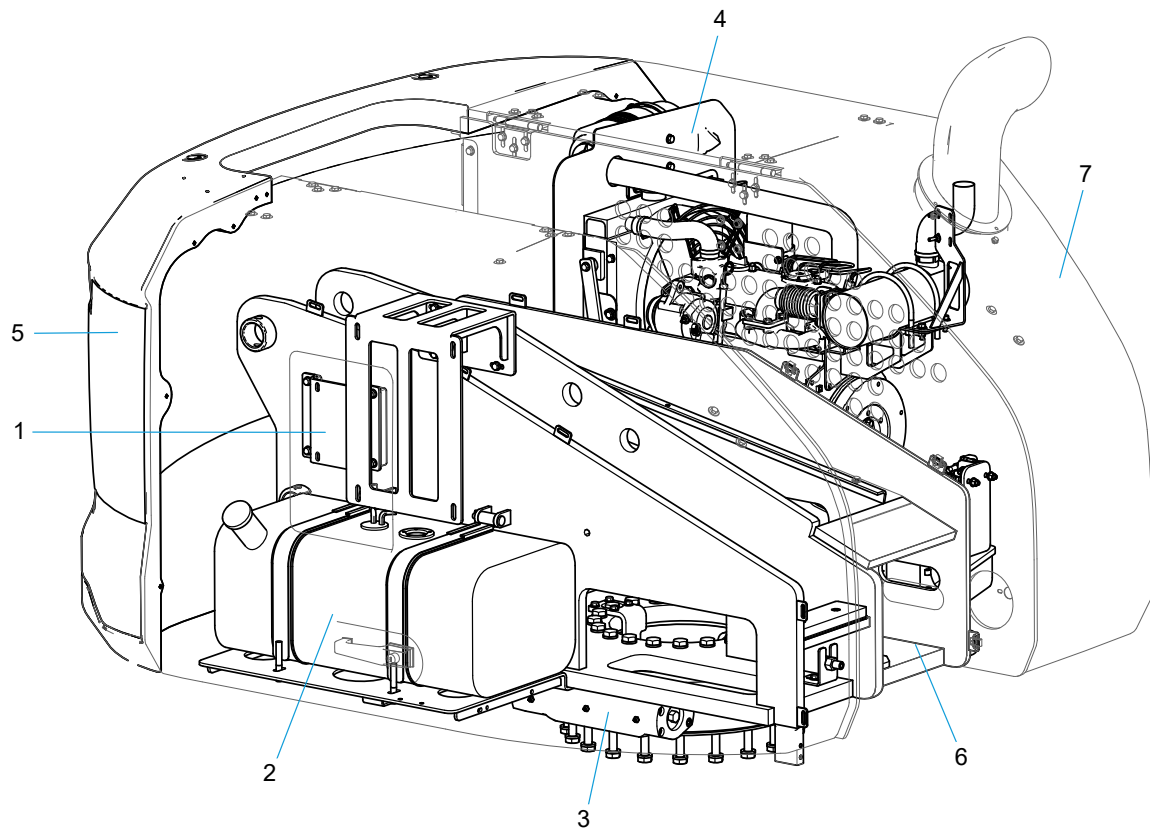
2.1.8 SLEWING MECHANISM



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

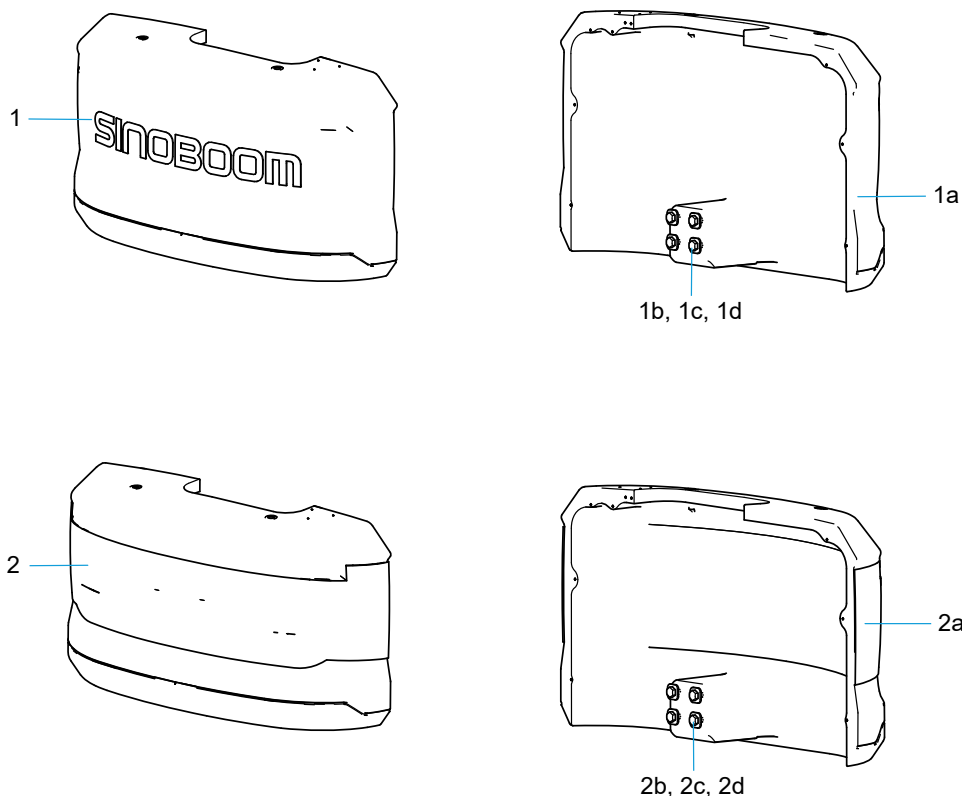
2.2 TURNTABLE ASSEMBLY (CONTINUOUS ROTATION- TURNTABLE LENGTH= 1.961 M)

2.2.1 TURNTABLE ASSEMBLY



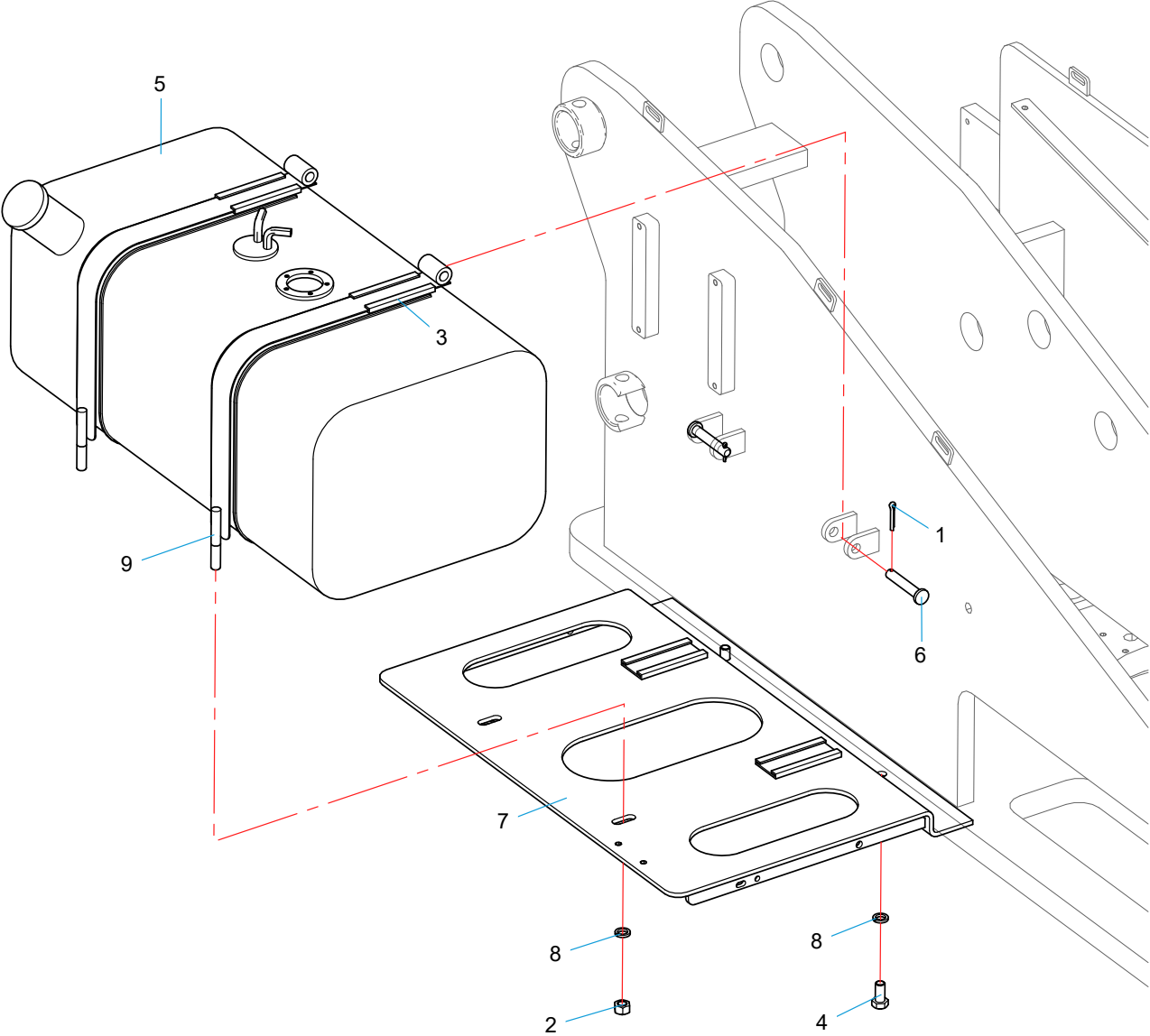
No.	Part No.	Qty.	Description
1-1	104030020103	1	Attachment assembly(Continuous rotation config)
1-2	104030020102		Attachment assembly(Non-continuous rotation config)
2	104030020099	1	Fuel tank assembly
3	104030020126	1	Slewing mechanism
4	104030020108		Engine options
4-1	104030020093	1	Kubota engine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

2.2.2 COUNTERWEIGHT OPTIONS



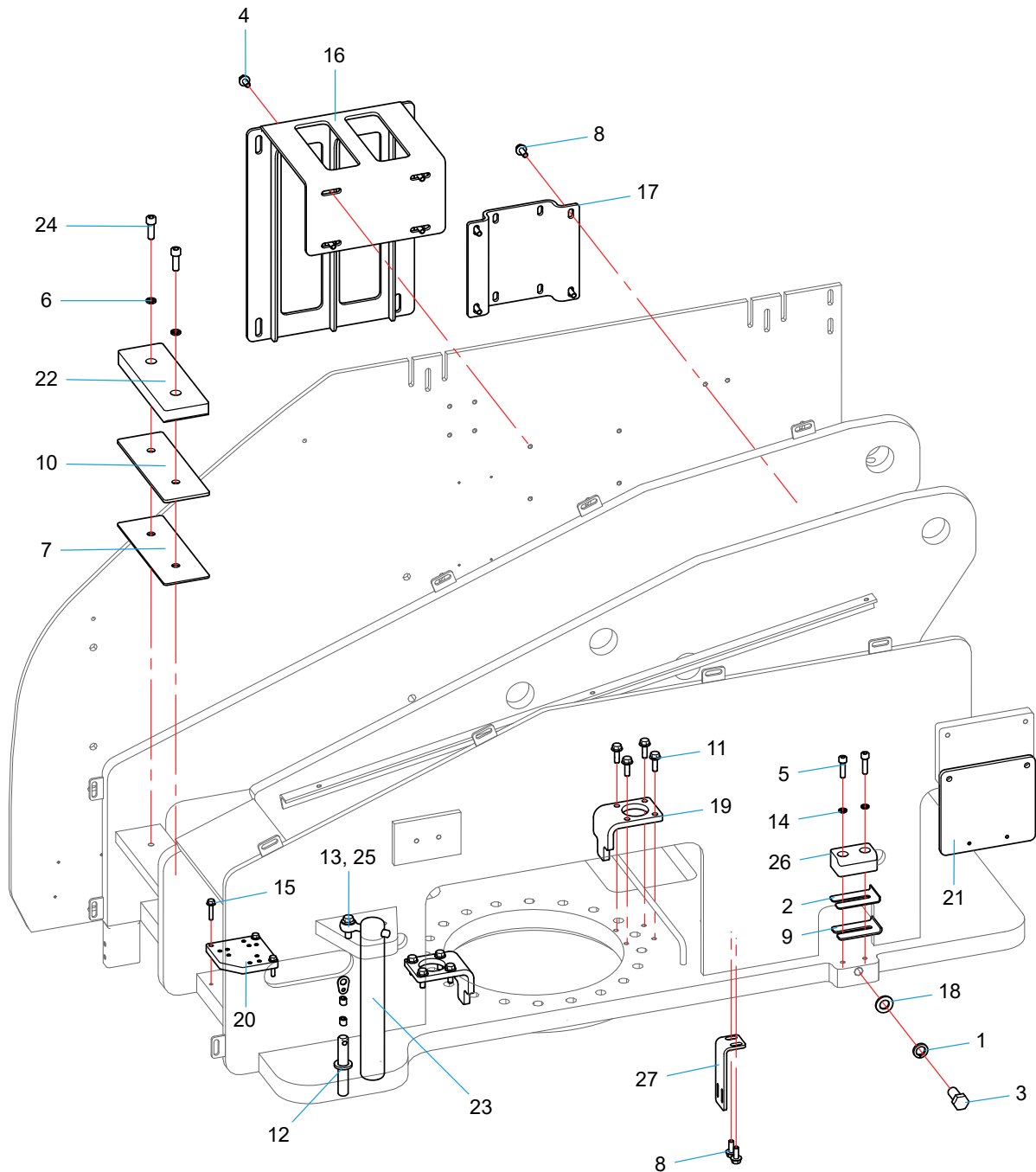
No.	Part No.	Qty.	Description
1	104030020057	1	Counterweight installation(With SINOBOOM logo)
1a	104021020012	1	Counterweight[Z](With SINOBOOM logo)
1b	213060003001	2	Hole plug
1c	105001020138	4	Pad
1d	215010000164	4	Bolt M24×70-8.8-ZnD GB/T 5783
2	104030020059	1	Counterweight installation(Without SINOBOOM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

2.2.3 FUEL TANK INSTALLATION



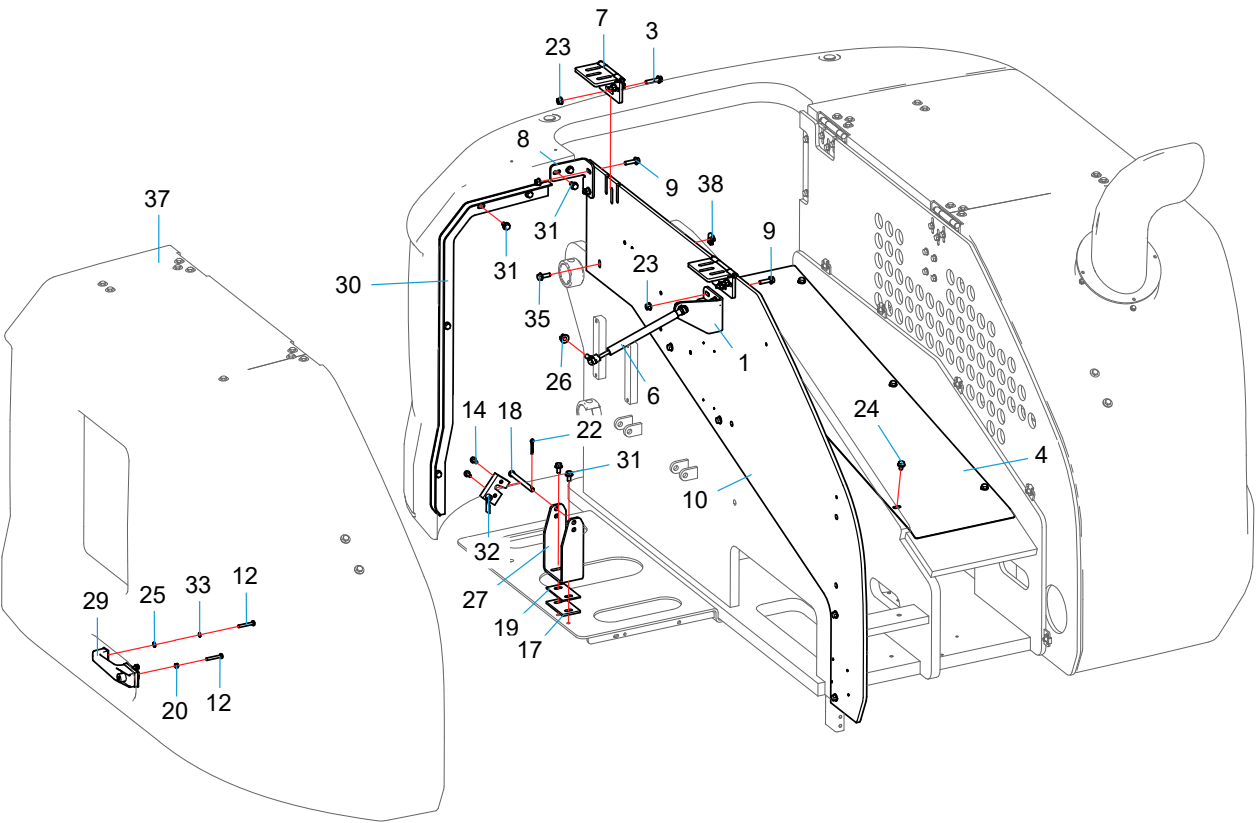
No.	Part No.	Qty.	Description
1	215060000003	2	Pin 3.2×16-ZnD GB/T 91
2	215030000008	2	Nut M12-8-ZnD GB/T 6170
3	216030000023	4	Double U-typed clamp
4	215010000089	2	Bolt M12×25-8.8-ZnD GB/T 5783
5	104015020009	1	Tank, fuel
6	215060000034	2	Clevis pin B12×70-ZnD GB/T 882
7	104021020014	1	Bottom plate,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

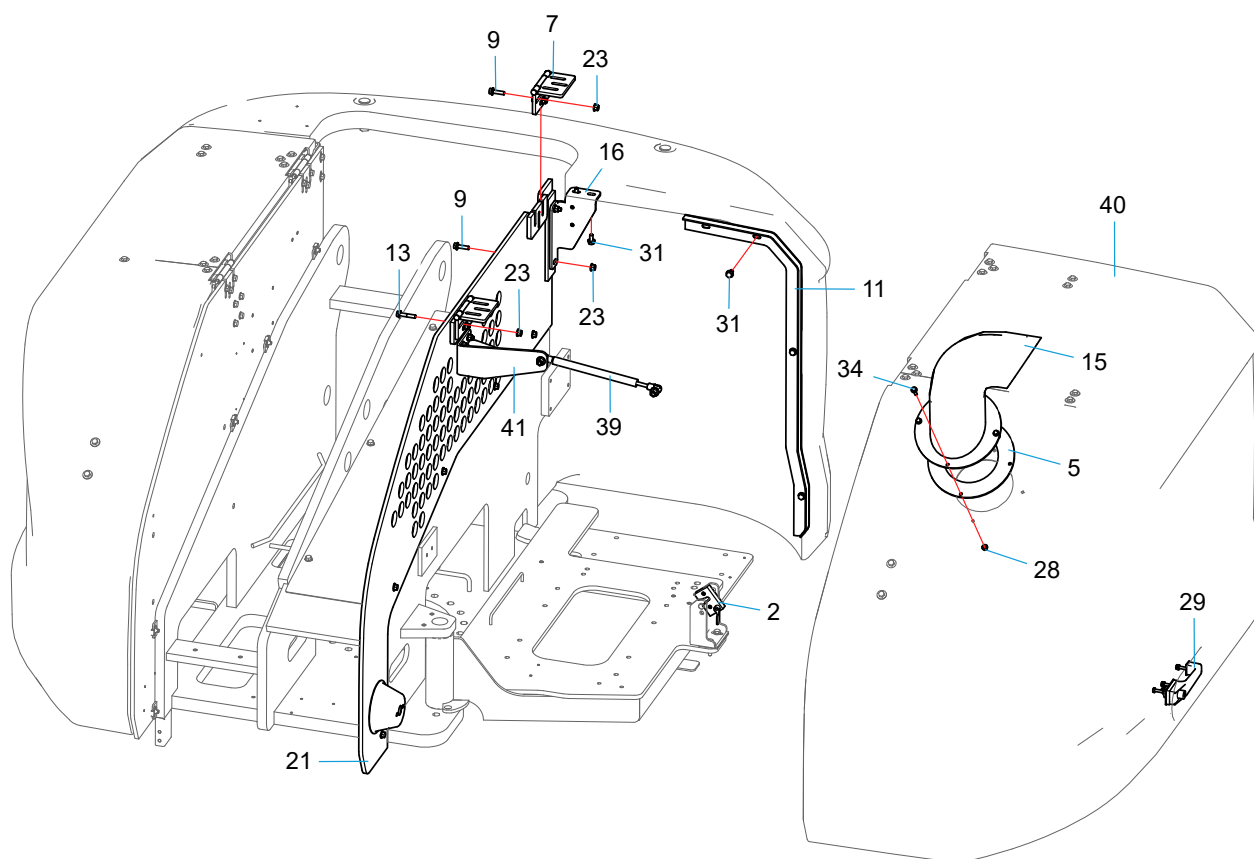
2.2.4 TURNTABLE ACCESSORY INSTALLATION (CONTINUOUS ROTATION CONFIG)



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

2.2.5 TURNTABLE COVER INSTALLATION

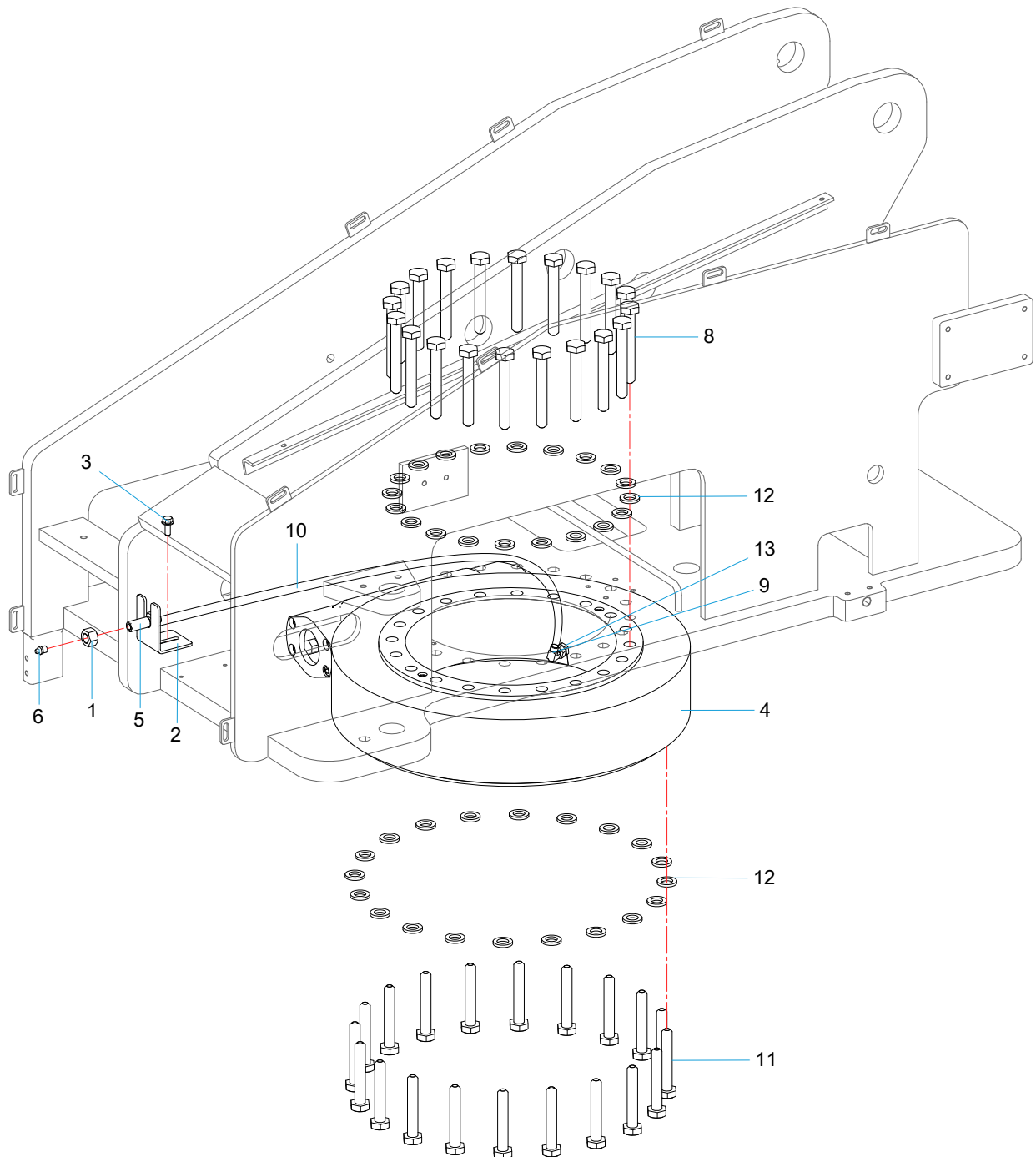




No.	Part No.	Qty.	Description
1	104021020031	1	Bracket, gas strut (L)
2	209050000002	1	Latch, right
3	215010000296	6	Bolt M8×35-8.8 ZnD GB/T 5789
4	104030020064	1	Cover plate
5	104021020060	1	Plate, bottom
6	210010000098	1	Gas strut
7	105001020118	4	Hinge
8	104021020001	1	Bracket
9	215010000236	15	Bolt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

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

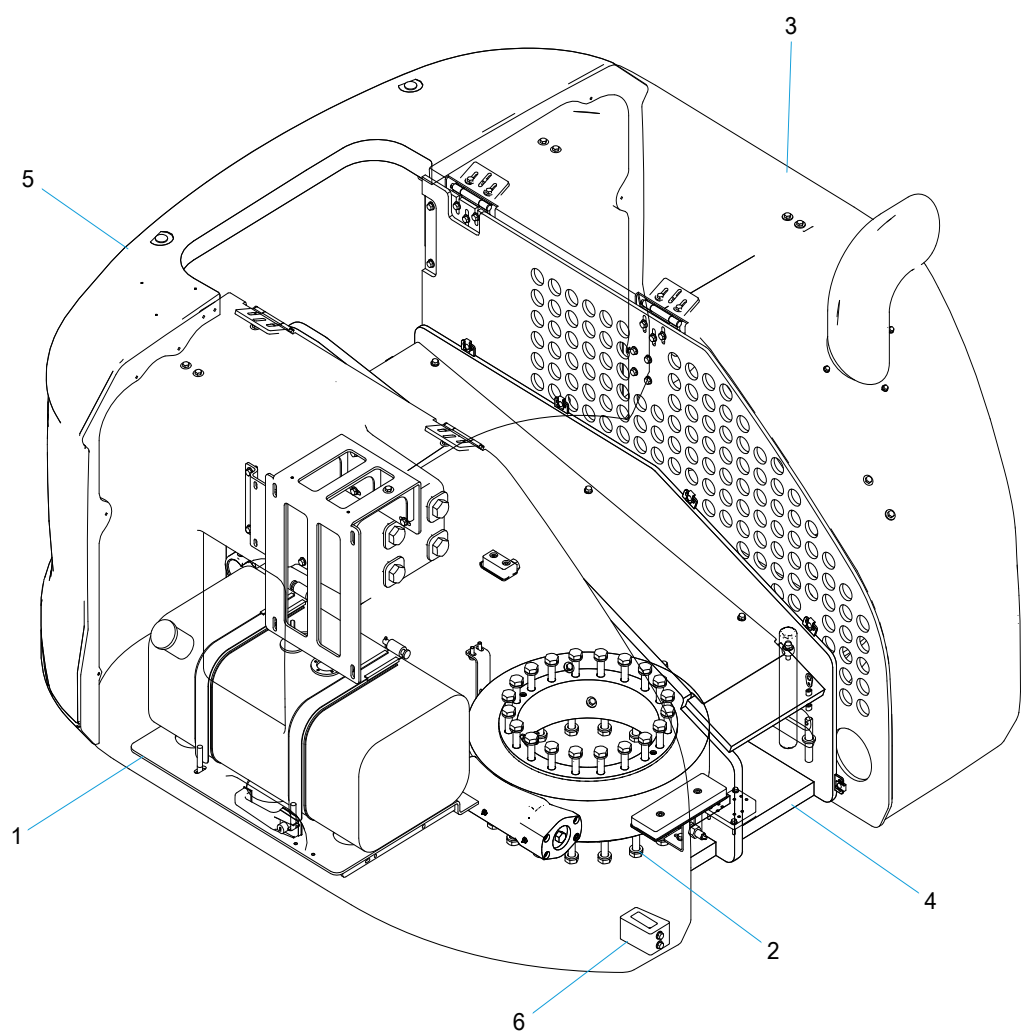
2.2.6 SLEWING MECHANISM



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

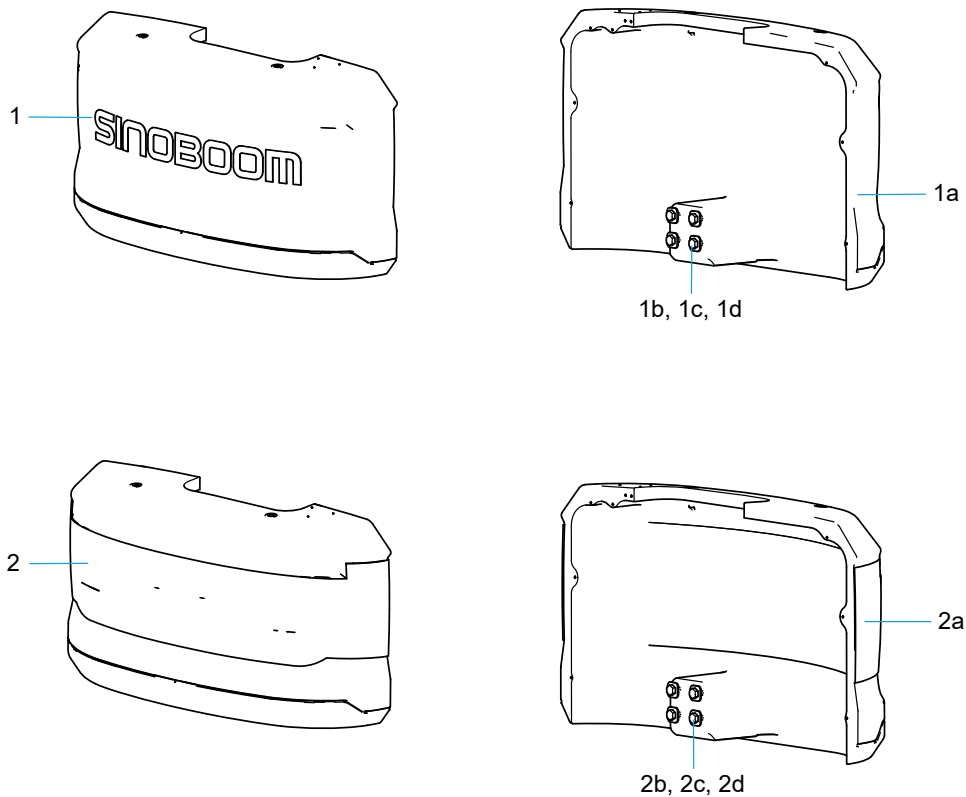
2.3 TURNTABLE ASSEMBLY (NON-CONTINUOUS ROTATION)

2.3.1 TURNTABLE ASSEMBLY



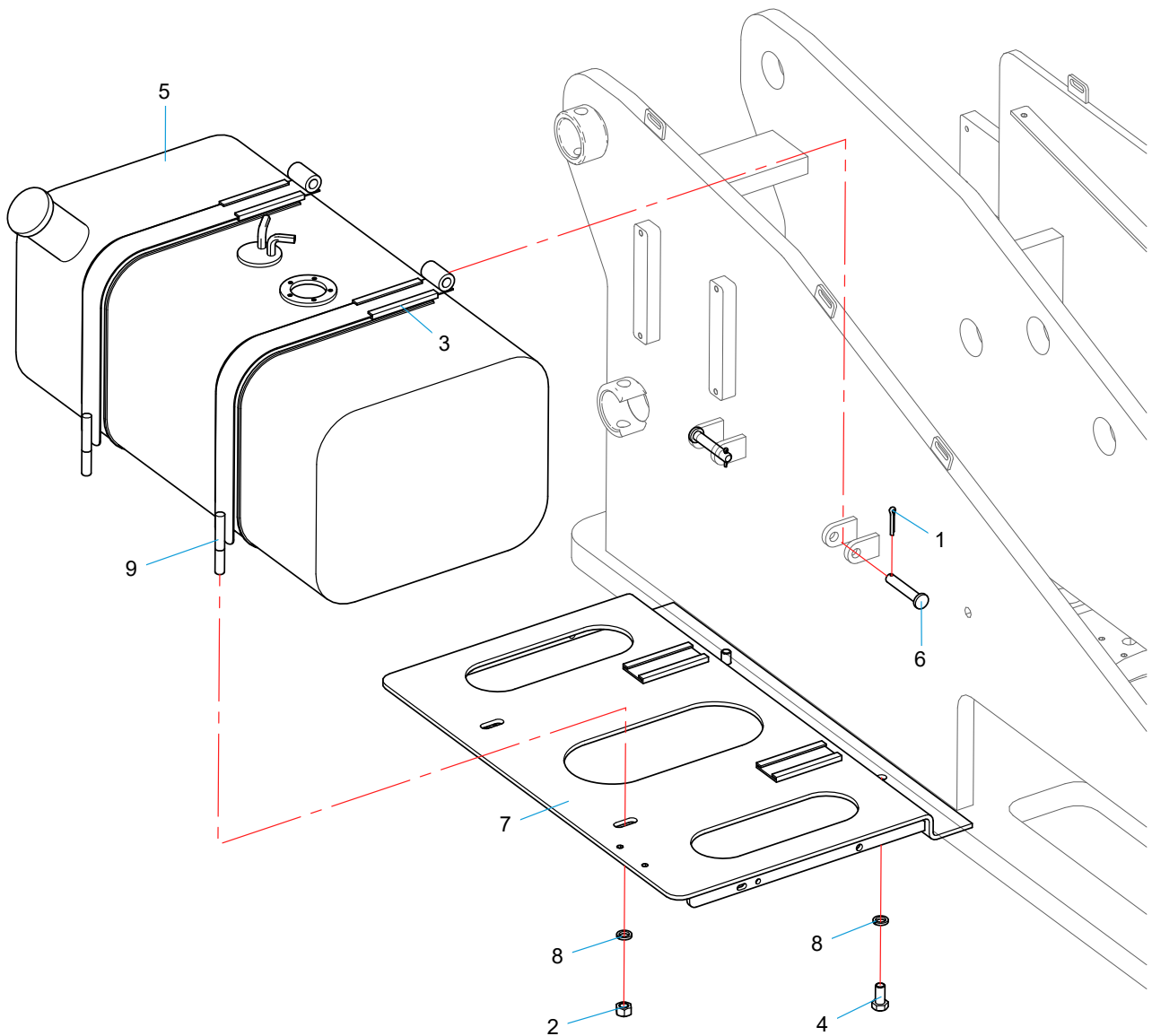
No.	Part No.	Qty.	Description
1	104030020099	1	Fuel tank assembly
2	104030020126	1	Slewing mechanism
3	104030020104	1	Turnable cover assembly
4	104030020098	1	Turntable structure [Z]
5	104030020058	1	Options,Counterweight
5-1	104030020057	1	Counterweight installation
5-2	104030020059	1	Counterweight installation
6	104030020102	1	Attachment assembly

2.3.2 COUNTERWEIGHT OPTIONS



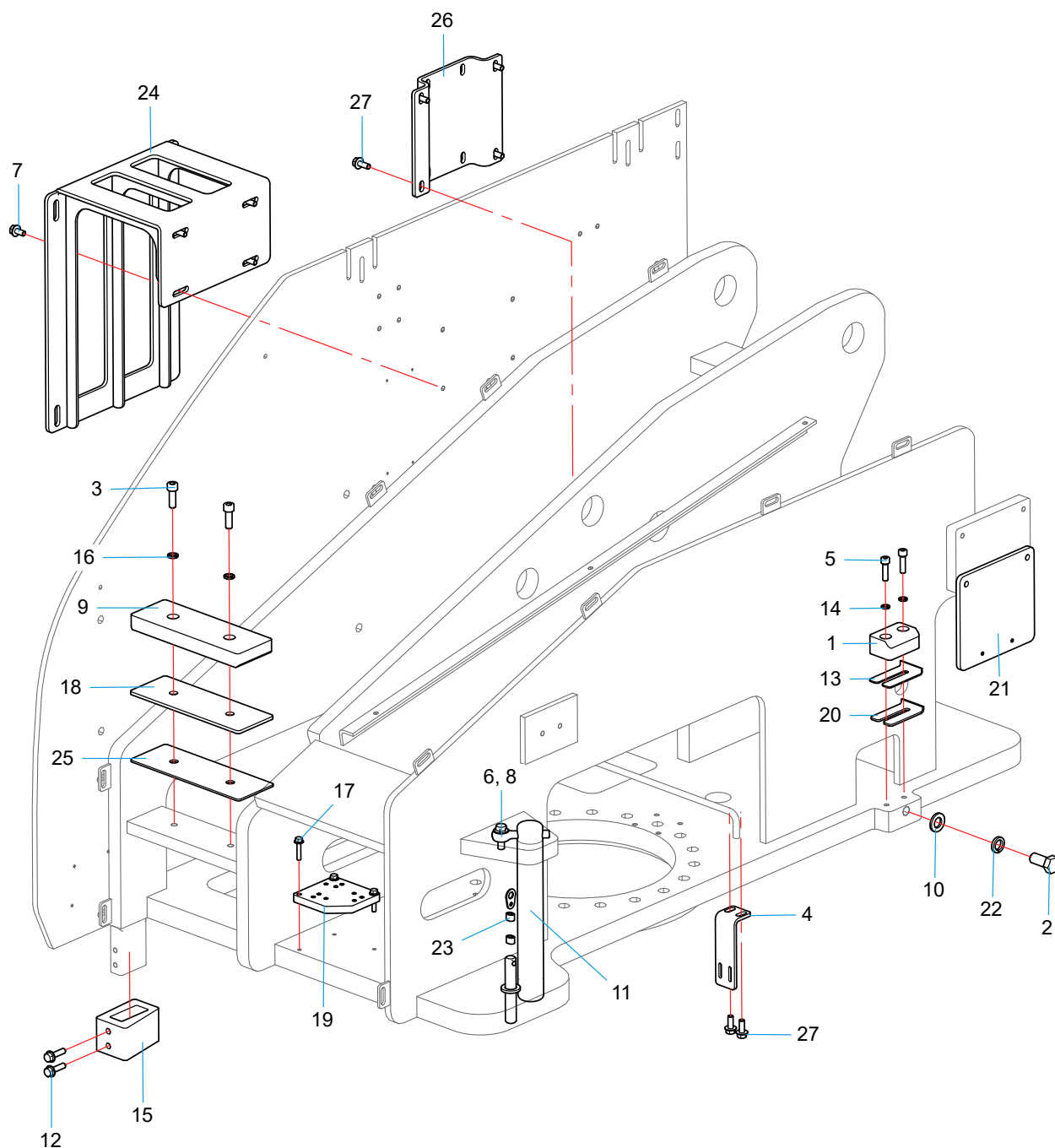
No.	Part No.	Qty.	Description
1	104030020057	1	Counterweight installation(With SINOBOOM logo)
1a	104021020012	1	Counterweight[Z](With SINOBOOM logo)
1b	213060003001	2	Hole plug
1c	105001020138	4	Pad
1d	215010000164	4	Bolt M24×70-8.8-ZnD GB/T 5783
2	104030020059	1	Counterweight installation(Without SINOBOOM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

2.3.3 FUEL TANK INSTALLATION



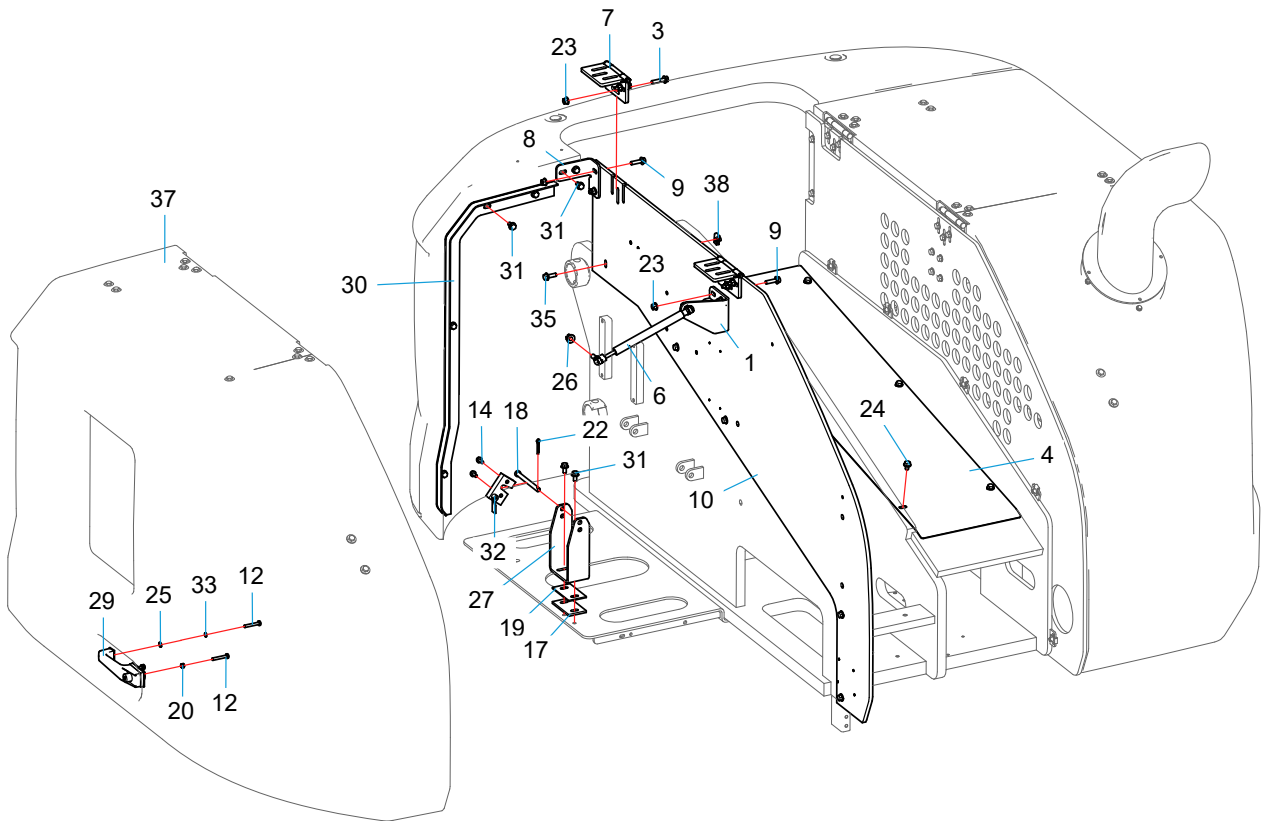
No.	Part No.	Qty.	Description
1	215060000003	2	Pin 3.2×16-ZnD GB/T 91
2	215030000008	2	Nut M12-8-ZnD GB/T 6170
3	216030000023	4	Double U-typed clamp
4	215010000089	2	Bolt M12×25-8.8-ZnD GB/T 5783
5	104015020009	1	Tank, fuel
6	215060000034	2	Clevis pin B12×70-ZnD GB/T 882
7	104021020014	1	Bottom plate,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

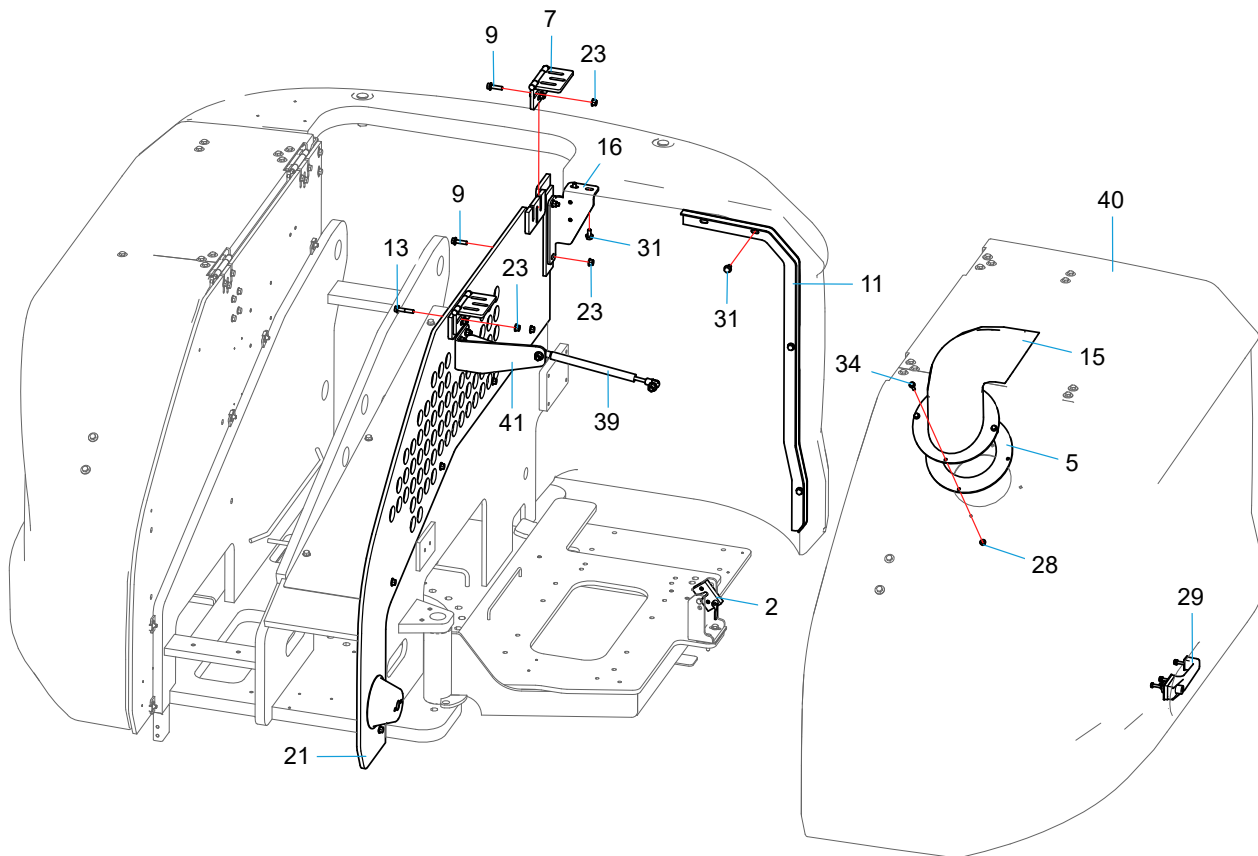
2.3.4 TURNTABLE ACCESSORY INSTALLATION (NON-CONTINUOUS ROTATION CONFIG)



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

2.3.5 TURNTABLE COVER INSTALLATION

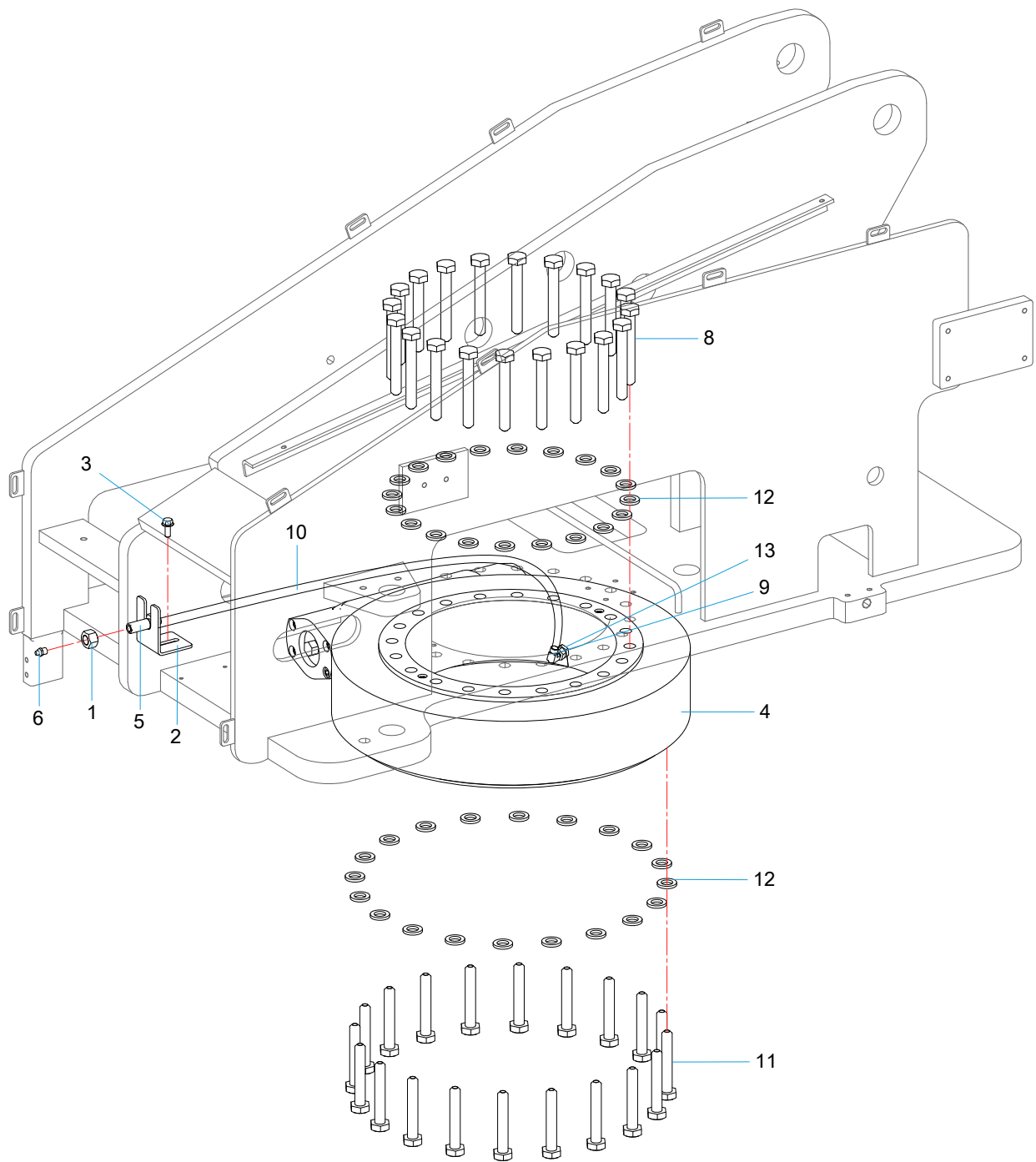




No.	Part No.	Qty.	Description
1	104021020031	1	Bracket, gas strut (L)
2	209050000002	1	Latch, right
3	215010000296	6	Bolt M8×35-8.8 ZnD GB/T 5789
4	104030020064	1	Cover plate
5	104021020060	1	Plate, bottom
6	210010000098	1	Gas strut
7	105001020118	4	Hinge
8	104021020001	1	Bracket
9	215010000236	15	Bolt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

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

2.3.6 SLEWING MECHANISM



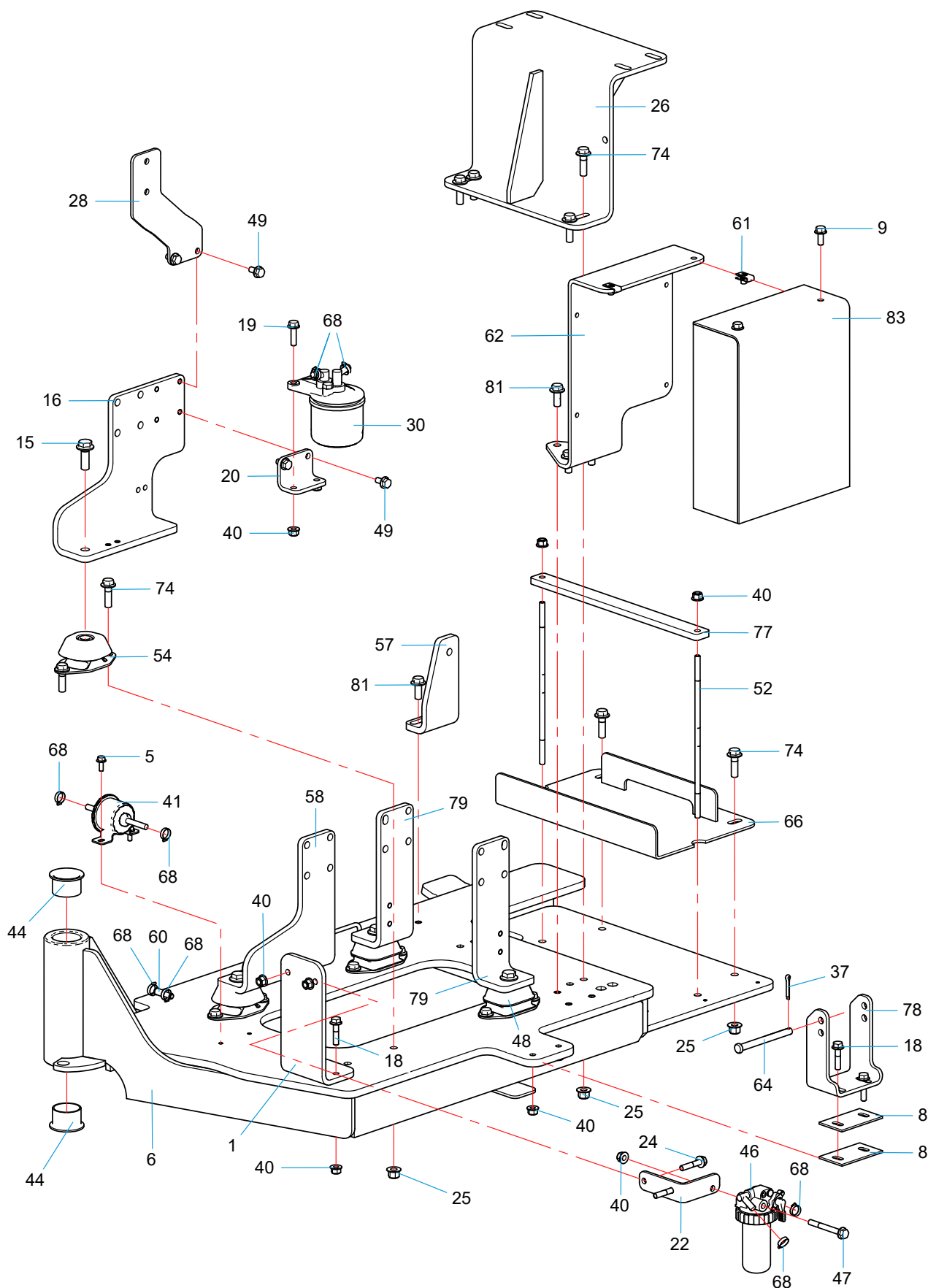
No.	Part No.	Qty.	Description
1	215030000010	1	Nut M16-8-ZnD GB/T 6170
2	105001020226	1	Plate
3	215010000234	1	Bolt M8×20-8.8-ZnD GB/T 5789
4	103011023072		OPT, reducer (slewing)
4-1	204020000015	1	Reducer, slewing(SC: 1000111 or 1000123, see later for subcomponent information)
4-2	204020000045	1	Reducer,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

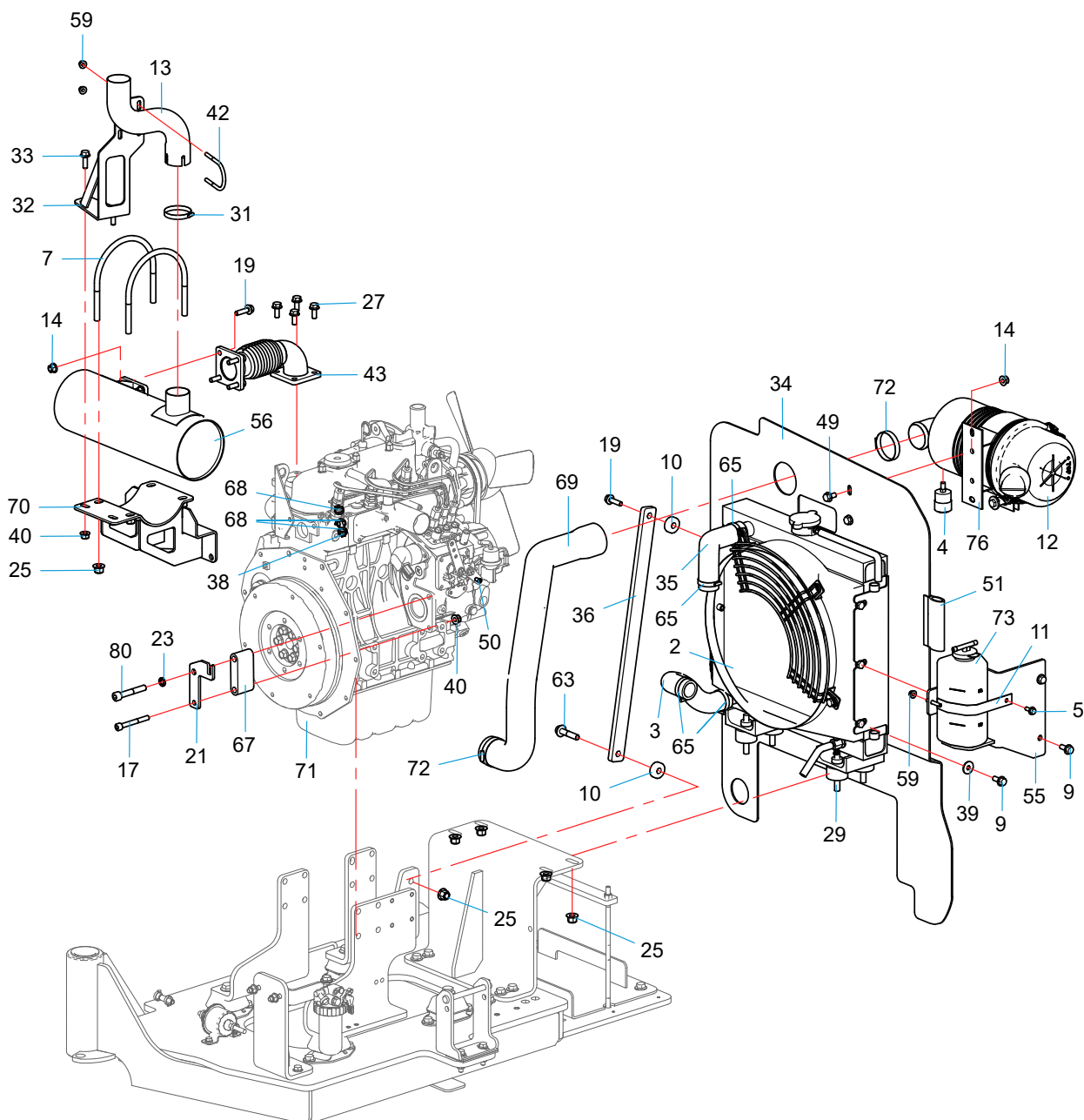
This Page Intentionally Left Blank

3 POWER SYSTEM

3.1 ENGINE D1105-E4B-CHN-1 (CONTINUOUS ROTATION- TURNTABLE LENGTH= 1.961 M & NON-CONTINUOUS ROTATION)

3.1.1 KUBOTA ENGINE INSTALLATION (D1105)



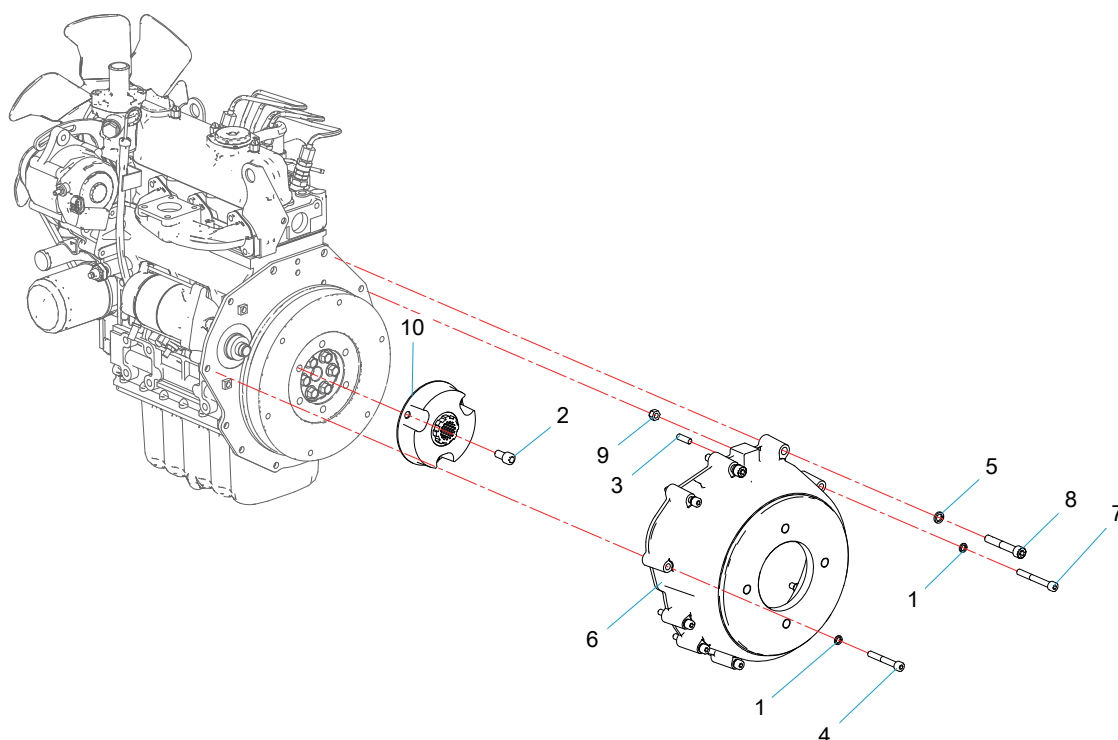


No.	Part No.	Qty.	Description
1	105084023119	1	Bracket
2	201040000016	1	Radiator
3	102004030085	1	Pipe, inlet
4	201020000011	1	Indicator
5	215010000230	3	Bolt M6×16-8.8-ZnD GB/T 5789
6	104030020081	1	Mount, engine
7	104031020026	2	U-clamp
8	103003020076	2	Adjusting pad
9	215010000234	7	Bolt M8×20-8.8-ZnD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

No.	Part No.	Qty.	Description
40	215030000108	16	Nut M8-8-ZnD GB/T 6183.1
41	201050003012	1	Electric feed pump
42	105054023043	1	U-clamp
43	201030003041	1	Exhaust tube
44	214030000015	2	Bearings 40×44×30 SF-LF
45	213050000096	1	Pipe, fuel(Not shown)
46	201050000003	1	Fuel-water separator
47	215010000317	1	Bolt M8×70-8.8-ZnD GB/T 5789
48	216040003010	2	Shock pad
49	215010000286	6	Bolt M8×16-8.8-ZnD GB/T 5789
50	104021023056	1	sleeve
51	207070000003	1	Rubber sealing strip
52	103008023013	2	Rod, tie
53	213050000095	1	Fuel pipe(Not shown)
54	216040003007	2	Shock pad
55	102004030269	1	Bracket
56	201030003042	1	Muffler
57	104030020135	1	Folded plate
58	105084023182	1	Support plate, left rear
59	215030000107	3	Nut M6-A2-70 GB/T 6183.1
60	104020023104	1	Reducing coupler
61	215030000106	2	B type spring nuts
62	104030020142	1	Folded plate
63	215010000246	1	Bolt M10×45-8.8 ZnD GB/T 5789
64	105017020107	1	Clevis pin XJΦ10-115
65	216020000014	4	Clamp
66	104030020107	1	Bracket
67	102004030237	1	Block, nylon
68	216020000004	11	Clamp
69	104030020145	1	Tube
70	104031020178	1	Bracket
71	201010000004	1	Kubota engine
72	216020000002	2	Clamp, hose
73	201040000017	1	Expansion tank
74	215010000248	15	Bolt M10x35-8.8 ZnD GB/T 5789
75	213050000085	1	Fuel pipe(Not shown)
76	201020003076	1	Air filter support
77	103008023012	1	plate

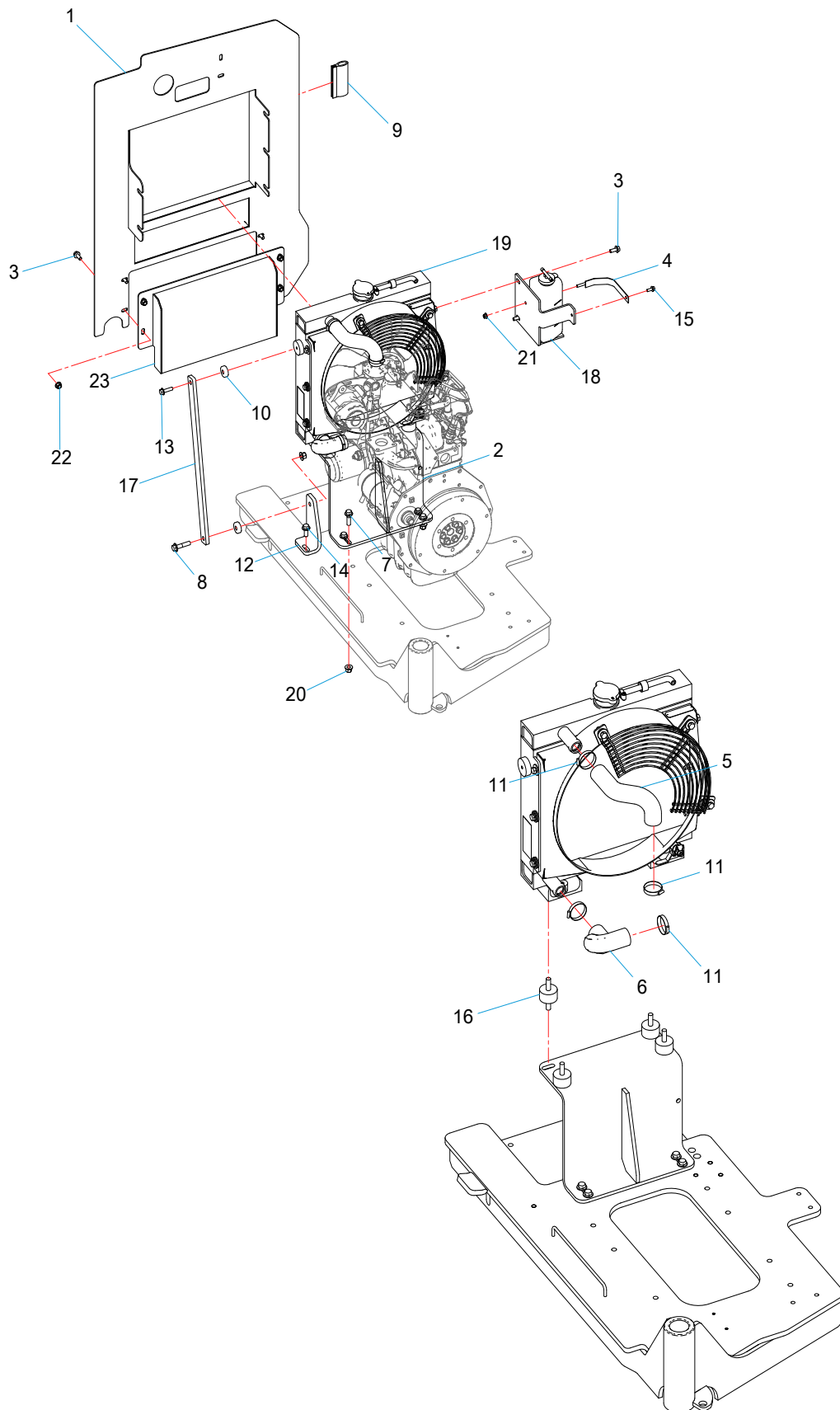
No.	Part No.	Qty.	Description
78	104021020020	1	Bracket
79	105084023183	2	Support plate,front
80	215020000270	1	Screw M10×1.25×65-8.8-ZnD GB/T 70.1
81	215010000238	4	Bolt M10×25-8.8-ZnD GB/T 5789
82	305140000001	1	Threadlocker, Locktite(Not shown)
83	104030020144	1	Cover

3.1.2 POWER OUTPUT ASSEMBLY



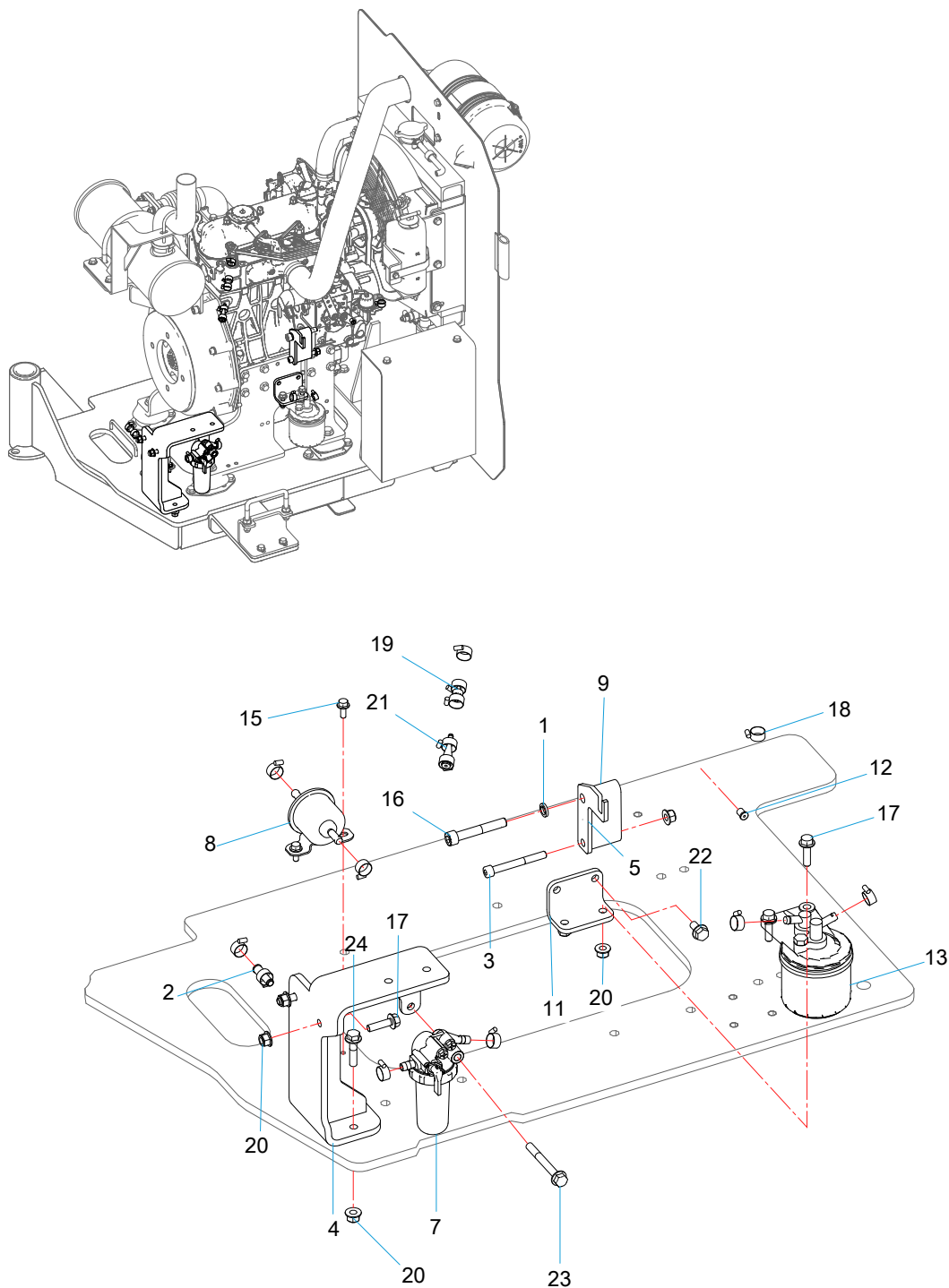
No.	Part No.	Qty.	Description
1	215040000005	9	Washer 8-ZnD GB/T 93
2	215020000332	3	Screw M10×1.25×20-10.9-DKL GB/T 70.1
3	104030180024	2	Pin,locating
4	215020000038	6	Screw M8×60-8.8-ZnD GB/T 70.1
5	215040000006	2	Washer 10-ZnD GB/T 93
6	104030180023	1	Cover, flywheel flange
7	215020000041	3	Screw M8×70-8.8-ZnD GB/T 70.1
8	215020000270	2	Screw M10×1.25×65-8.8-ZnD GB/T 70.1
9	215030000026	3	Nut M8-8-ZnD GB/T889.1
10	204040003010	1	Shaft coupling

3.1.3 COOLING SYSTEM



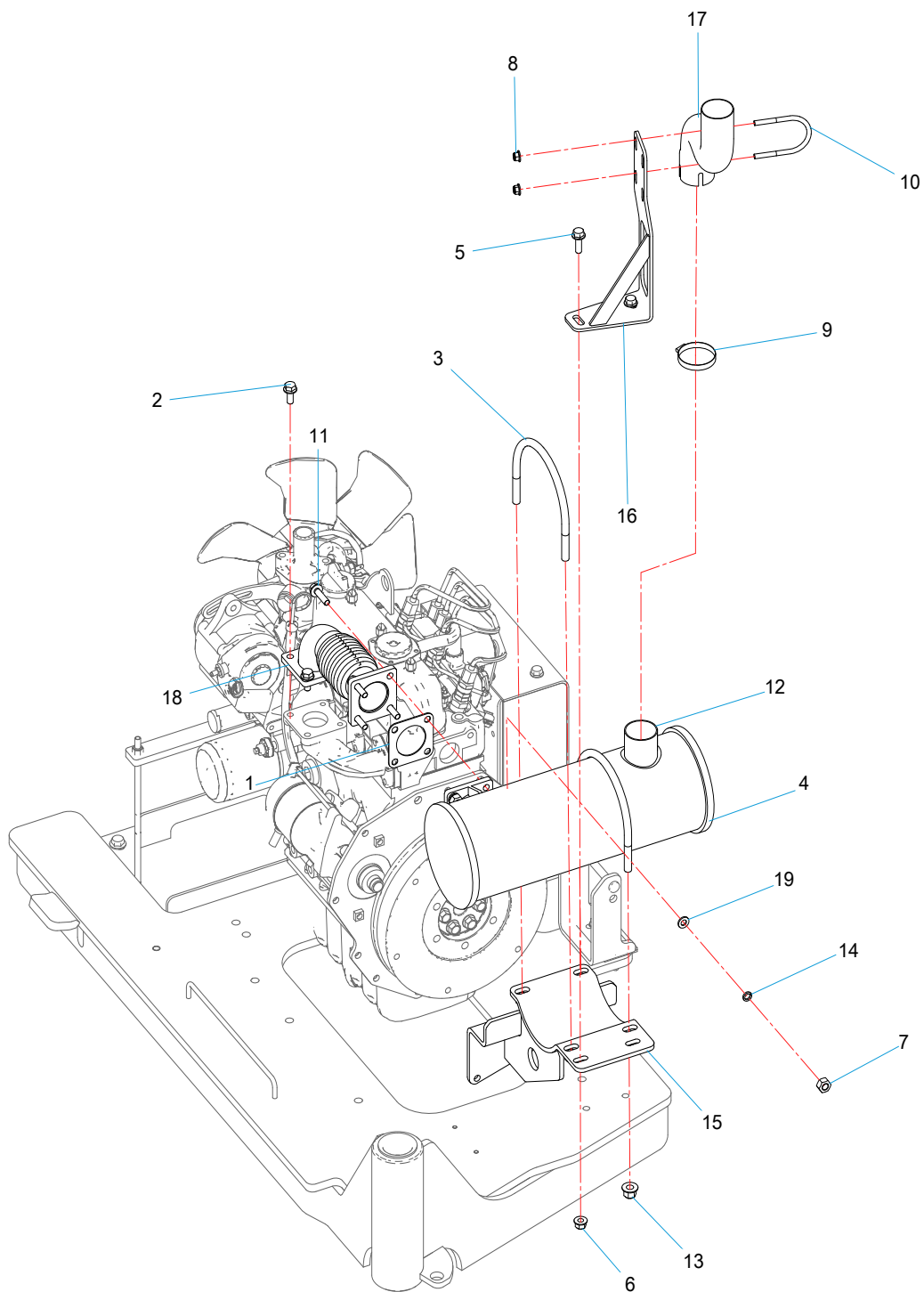
No.	Part No.	Qty.	Description
1	104030180022	1	Board, wind
2	104030020090	1	Support
3	215010000234	9	Bolt M8×20-8.8-ZnD GB/T 5789
4	102004030272	1	Strap, fixing
5	102004030069	1	Pipe, water outlet
6	102004030085	1	Pipe, inlet
7	215010000248	4	Bolt M10x35-8.8 ZnD GB/T 5789
8	215010000246	1	Bolt M10×45-8.8 ZnD GB/T 5789
9	207070000003	1	Rubber sealing strip
10	105084023127	2	Support plate
11	216020000014	4	Clamp
12	104030020135	1	Folded plate
13	215010000236	1	Bolt M8×30-8.8-ZnD GB/T 5789
14	215010000238	1	Bolt M10×25-8.8-ZnD GB/T 5789
15	215010000230	1	Bolt M6×16-8.8-ZnD GB/T 5789
16	216030000002	4	Water tank shock pad
17	105084023169	1	Plate
18	201040000017	1	Expansion tank
19	201040003127	1	Radiator
20	215030000109	9	Nut M10-8-ZnD GB/T 6183.1
21	215030000107	1	Nut M6-A2-70 GB/T 6183.1
22	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
23	104030180021	1	Cover
24	215040000015	3	Washer 8-200HV-ZnD GB/T 96.1
25	104030180016	1	Bracket

3.1.4 FUEL SUPPLY SYSTEM



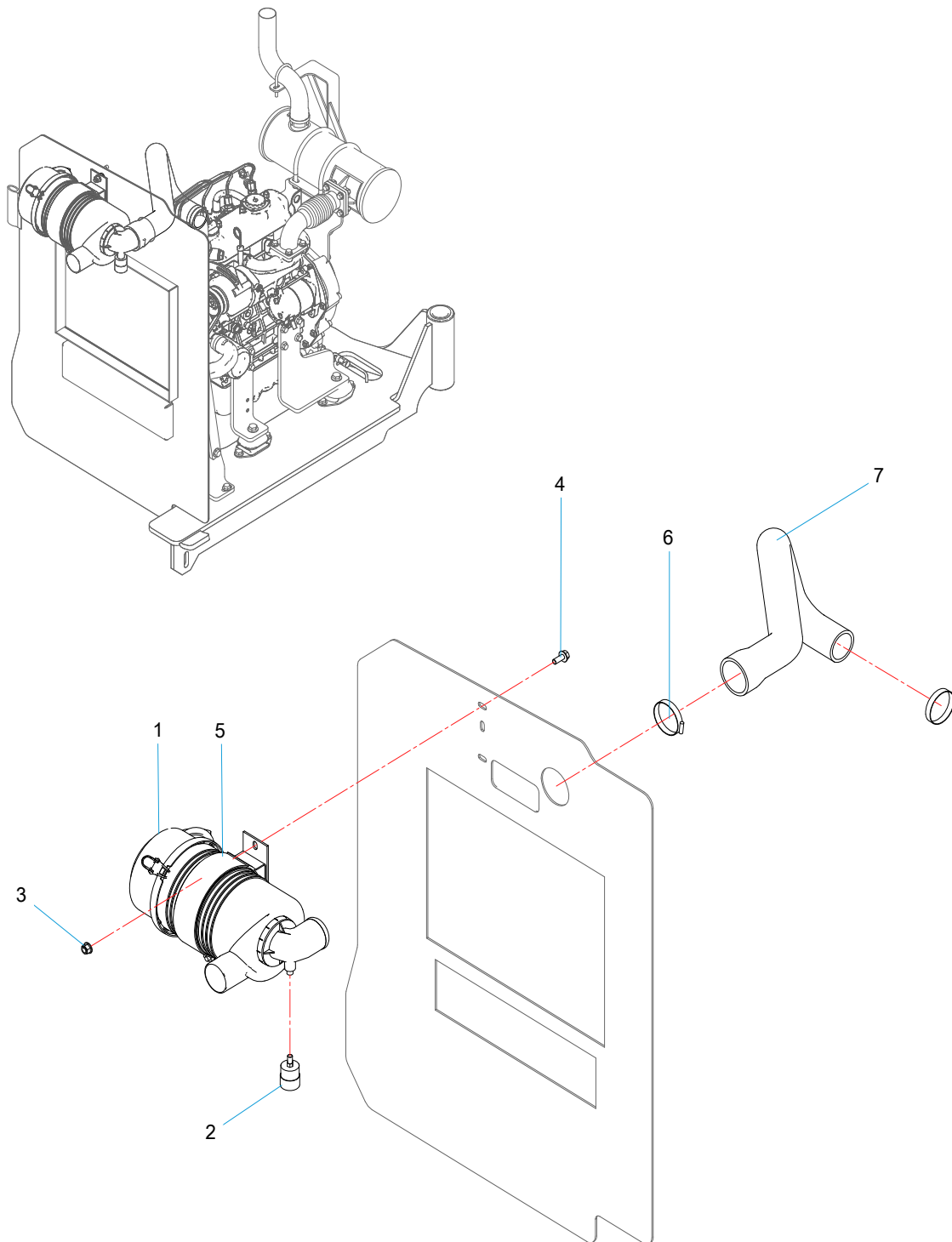
No.	Part No.	Qty.	Description
1	215040000006	1	Washer 10-ZnD GB/T 93
2	104020023104	1	Reducing coupler
3	215020000041	1	Screw M8×70-8.8-ZnD GB/T 70.1
4	104030180080	1	Bracket,,diesel filter
5	102004030054	1	Plate
6	201051063115	1	Fuel pipe,Φ10(Not shown)
7	201051063169	1	Separator, fuel-water
7a	201990000112	1	Element, fuel-water separator
8	201050003060	1	Electric feed pump
9	102004030237	1	Block, nylon
10	213050001671	1	Fuel pipe Φ7.5(Not shown)
11	104030020084	1	Plate
12	104021023056	1	sleeve
13	201050000002	1	Diesel precision filter
13a	201990003209	1	KUBOTA , diesel filter
14	201051063070	1	Fuel line(Not shown)
15	215010000230	2	Bolt M6×16-8.8-ZnD GB/T 5789
16	215020000270	1	Screw M10×1.25×65-8.8-ZnD GB/T 70.1
17	215010000236	4	Bolt M8×30-8.8-ZnD GB/T 5789
18	216020000004	14	Clamp
19	201051063133	1	Valve,check(fuel)(engine own)
20	215030000108	8	Nut M8-8-ZnD GB/T 6183.1
21	104030020109	1	Reducing coupler
22	215010000286	2	Bolt M8×16-8.8-ZnD GB/T 5789
23	215010000317	1	Bolt M8×70-8.8-ZnD GB/T 5789
24	215010000296	2	Bolt M8×35-8.8 ZnD GB/T 5789

3.1.5 EXHAUST SYSTEM



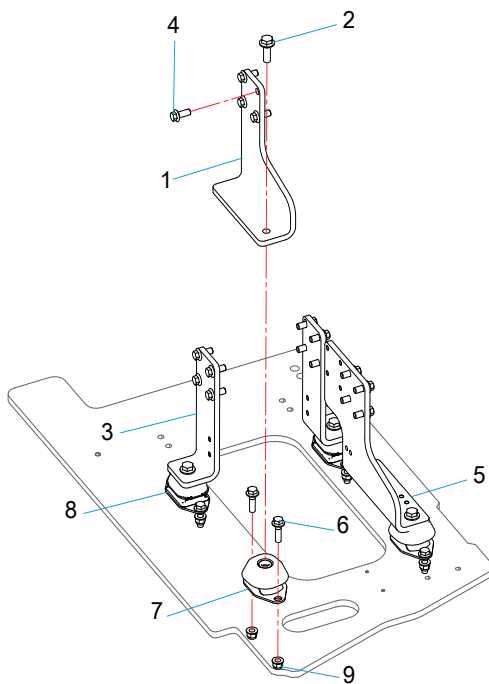
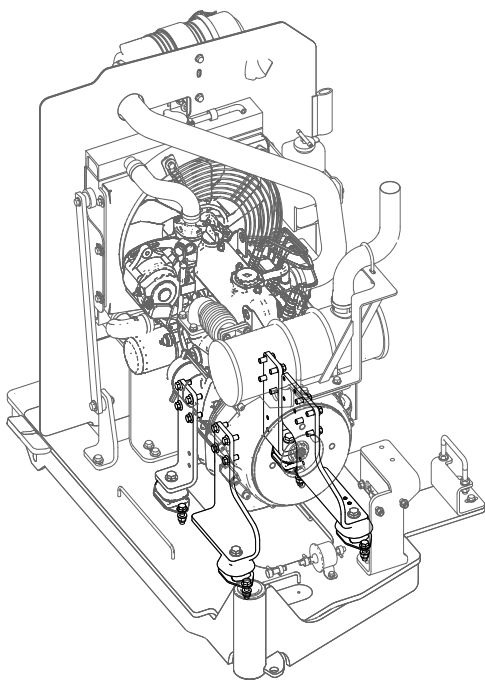
No.	Part No.	Qty.	Description
1	201030003053	1	Shim
2	215010000264	4	Bolt M8×20-10.9-DKL GB/T 5789
3	104031020026	2	U-clamp
4	201030003052	1	Jacket,heat-resistant
5	215010000235	2	Bolt M8×25-8.8-ZnD GB/T 5789
6	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
7	215030000006	4	Nut M10-8-ZnD GB/T 6170
8	215030000107	2	Nut M6-A2-70 GB/T 6183.1
9	216020000003	1	Clamp
10	105054023043	1	U-clamp
11	215010000236	4	Bolt M8×30-8.8-ZnD GB/T 5789
12	201030003042	1	Muffler
13	215030000109	4	Nut M10-8-ZnD GB/T 6183.1
14	215040000005	4	Washer 8-ZnD GB/T 93
15	104030180009	1	Bracket
16	104031020153	1	Support
17	104030020139	1	Exhaust bend
18	201030003041	1	Exhaust tube
19	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1

3.1.6 INTAKE SYSTEM



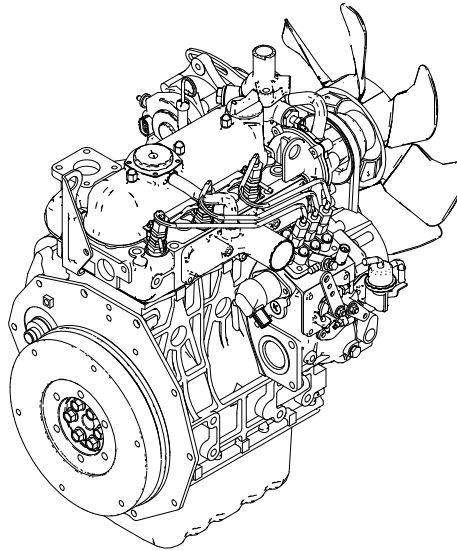
No.	Part No.	Qty.	Description
1	201020003075	1	Air filter
1a	201020003077	1	Air filter element
1b	202070003022	1	Air filter element
2	201020000011	1	Indicator
3	215030000121	2	Nut M8-10-ZnD GB/T 6183.1
4	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
5	201020003076	1	Air filter support
6	216020000002	2	Clamp, hose
7	104030020145	1	Tube

3.1.7 MOUNT SYSTEM



No.	Part No.	Qty.	Description
1	105084023182	1	Support plate, left rear
2	215010000270	4	Bolt M12×35-10.9-DKL GB/T 5789
3	105084023183	2	Support plate,front
4	215010000371	16	Bolt M10×1.25×25-10.9-DKL GB/T 16674.2
5	105084023181	1	Support plate,right rear
6	215010000268	8	Bolt M10×35-10.9-DKL GB/T 5789
7	216040003007	2	Shock pad
8	216040003010	2	Shock pad
9	215030000135	8	Nut M10-10-ZnD GB/T 6183.1

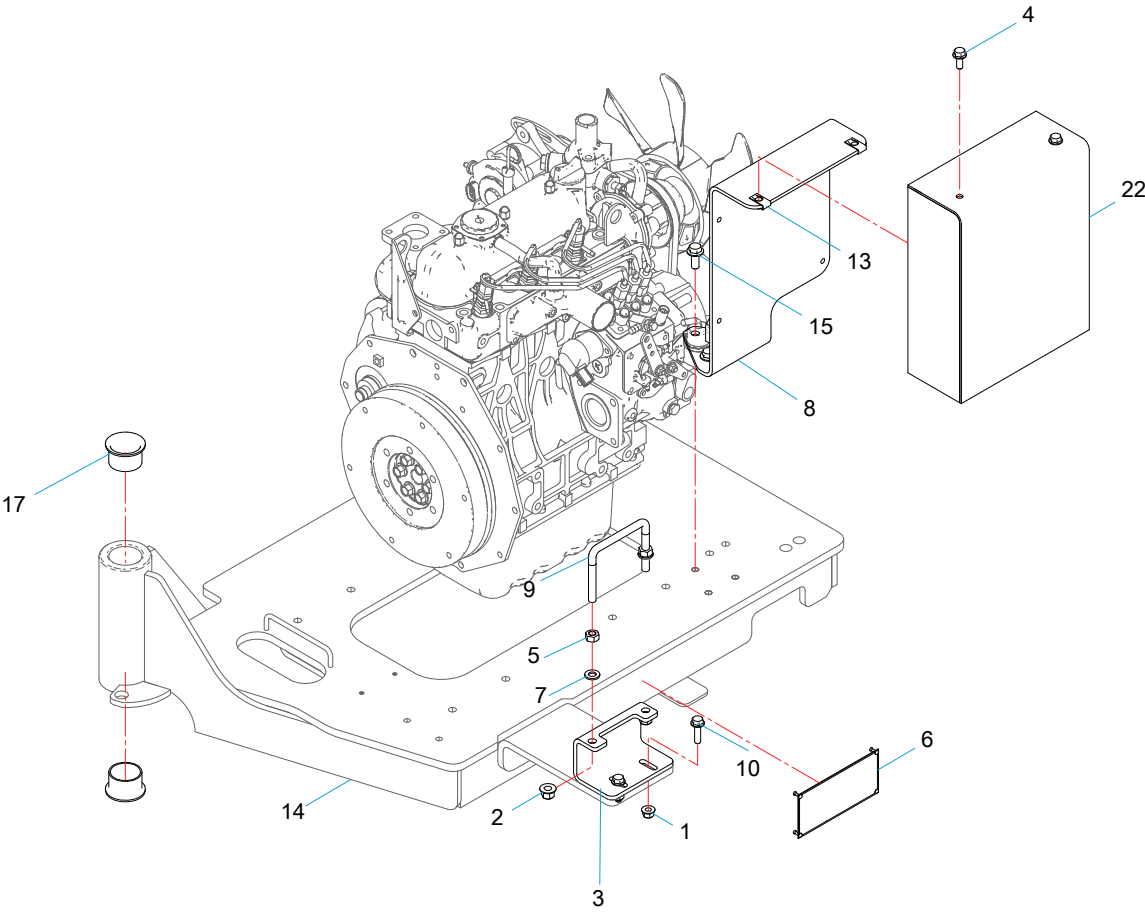
3.1.8 KUBOTA ENGINE V2403BM-DI-CT04 (PN.201010003247)



No.	Part No.	Qty.	Description
1	201990003210	1	KUBOTA , Generator
2	201990003213	1	KUBOTA , thermoswitch
3	201040003094	1	Fan (seven)
4	201990003214	1	KUBOTA , Switch , oil
5	201990003215	1	KUBOTA , thermostat
6	201990003216	1	KUBOTA , pump , water
7	201020003064	1	Air filter element
8	201040003096	1	Fan , pad
9	201990003208	1	KUBOTA , engine oil filter
10	201990003206	1	KUBOTA , starting motor
11	201990003207	1	KUBOTA , belt
12	201050000002	1	Diesel precision filter
13	201051063169	1	Separator, fuel-water
14	201990003211	1	KUBOTA , pulley
15	201050003060	1	Electric feed pump

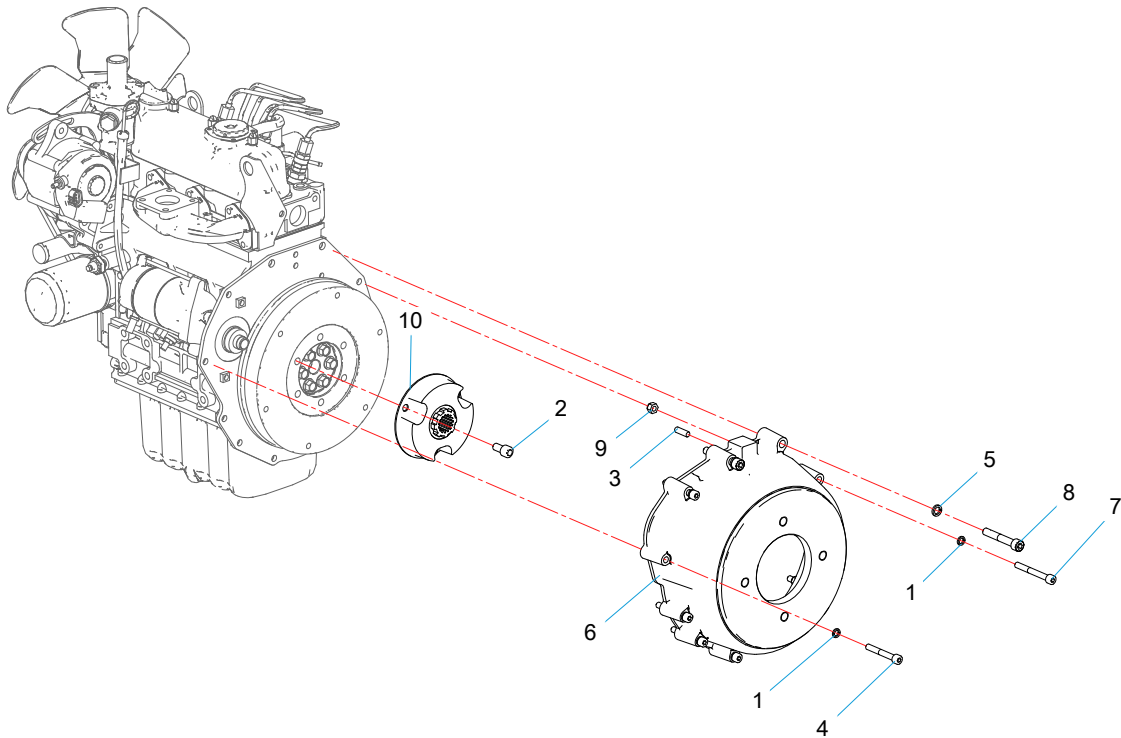
3.2 ENGINE D1105-E4B-CHN-1 (CONTINUOUS ROTATION- TURNTABLE LENGTH= 2.328 M)

3.2.1 ENGINE INSTALLATION



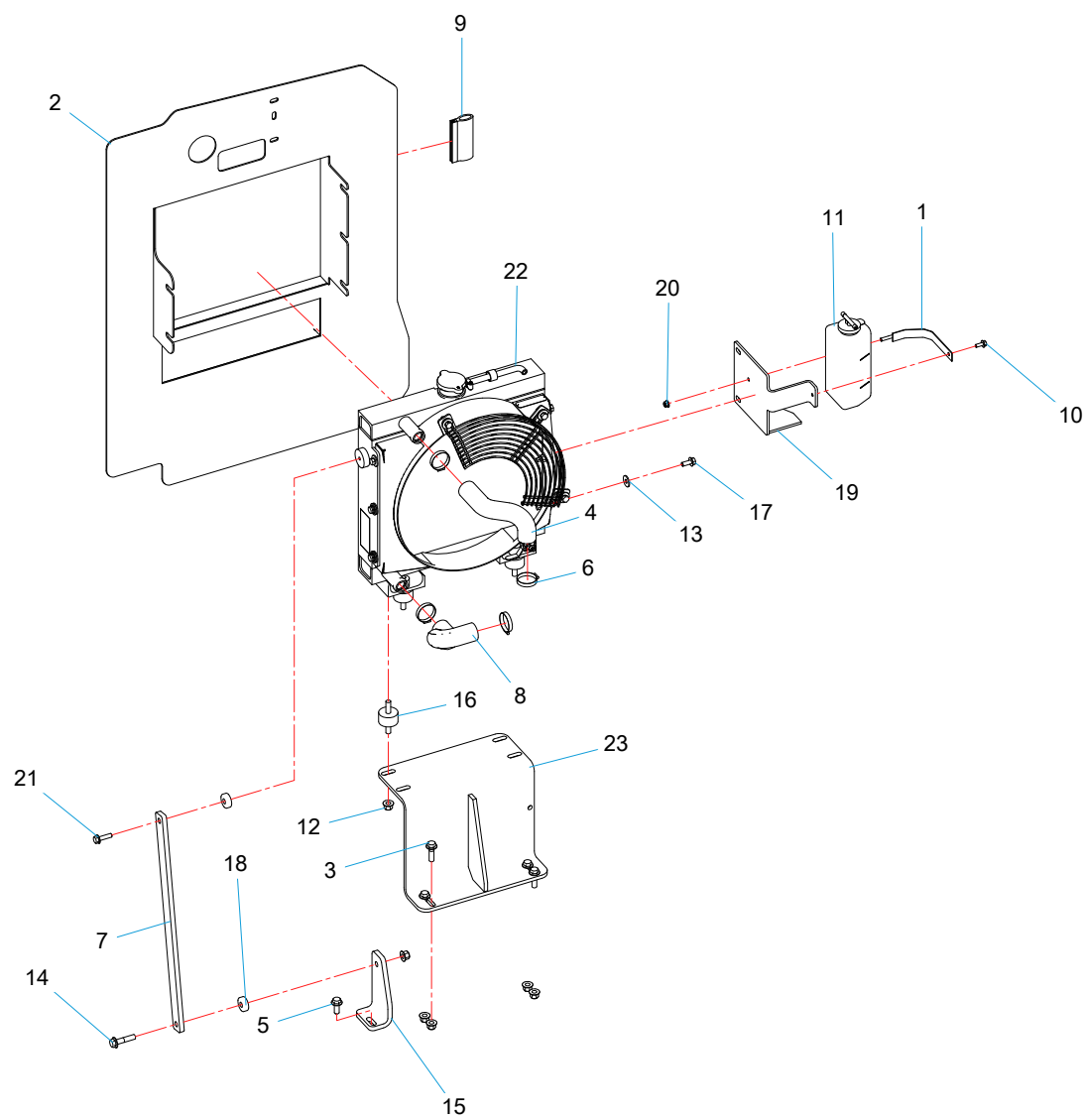
No.	Part No.	Qty.	Description
1	215030000121	2	Nut M8-10-ZnD GB/T 6183.1
2	215030000109	2	Nut M10-8-ZnD GB/T 6183.1
3	104031020125	1	Folded plate
4	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
5	215030000006	2	Nut M10-8-ZnD GB/T 6170
6	104030180077	1	INST , Environmental information plate (Kubota D1105-E4B-CHN-1 China IV)
6a	104030180076	1	Environmental information plate, Kubota D1105-E4B-CHN-1 China IV
6b	215050000001	4	Blind rivet 3×8-ZnD GB/T 12618.2
7	215040000035	2	Washer 10-200HV-ZnD GB/T 97.1
8	104030180053	1	Bracket
9	105021020163	1	U-bolt
10	215010000236	2	Bolt M8×30-8.8-ZnD GB/T 5789
11	201010003247	1	Engine , Kubota(D1105-E4B-CHN-1)(Details follow)
12	104030020369	1	INST,SYS(cooling)(Details follow)
13	215030000106	2	B type spring nuts
14	104030180050	1	Mount, engine
15	215010000238	3	Bolt M10×25-8.8-ZnD GB/T 5789
16	104030180045	1	SYS,Suspension(Details follow)
17	214030000015	2	Bearings 40×44×30 SF-LF
18	104030180046	1	INST,SYS(fuel supply)(Details follow)
19	104030180057	1	SYS,Power take-off(Details follow)
20	104030020370	1	INST,SYS(intake air)(Details follow)
21	104030180047	1	INST.SYS(exhaust air)(Details follow)
22	104030020144	1	Cover

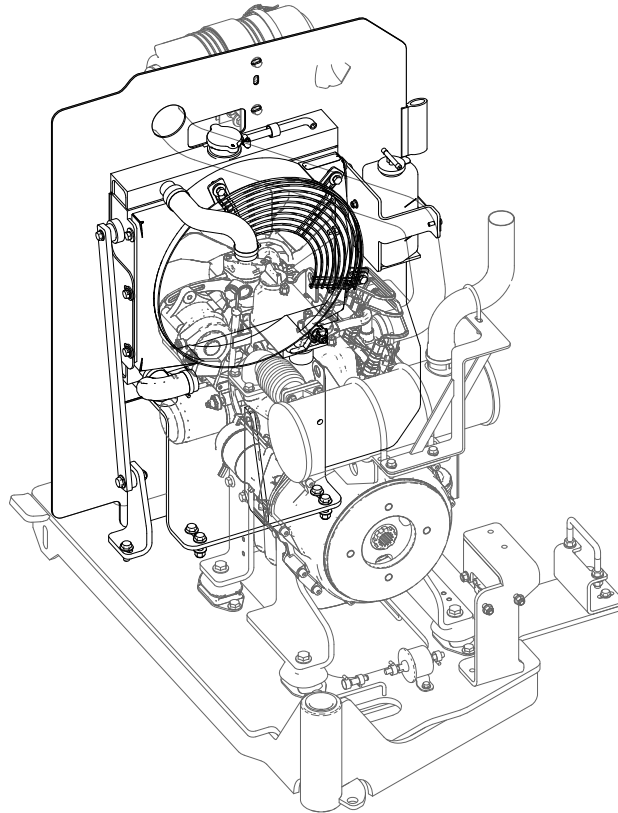
3.2.2 POWER OUTPUT ASSEMBLY



No.	Part No.	Qty.	Description
1	215040000005	9	Washer 8-ZnD GB/T 93
2	215020000332	3	Screw M10×1.25×20-10.9-DKL GB/T 70.1
3	104030180024	2	Pin, locating
4	215020000038	6	Screw M8×60-8.8-ZnD GB/T 70.1
5	215040000006	2	Washer 10-ZnD GB/T 93
6	104030180023	1	Cover, flywheel flange
7	215020000041	3	Screw M8×70-8.8-ZnD GB/T 70.1
8	215020000270	2	Screw M10×1.25×65-8.8-ZnD GB/T 70.1
9	215030000026	3	Nut M8-8-ZnD GB/T889.1
10	204040003010	1	Shaft coupling

3.2.3 COOLING SYSTEM

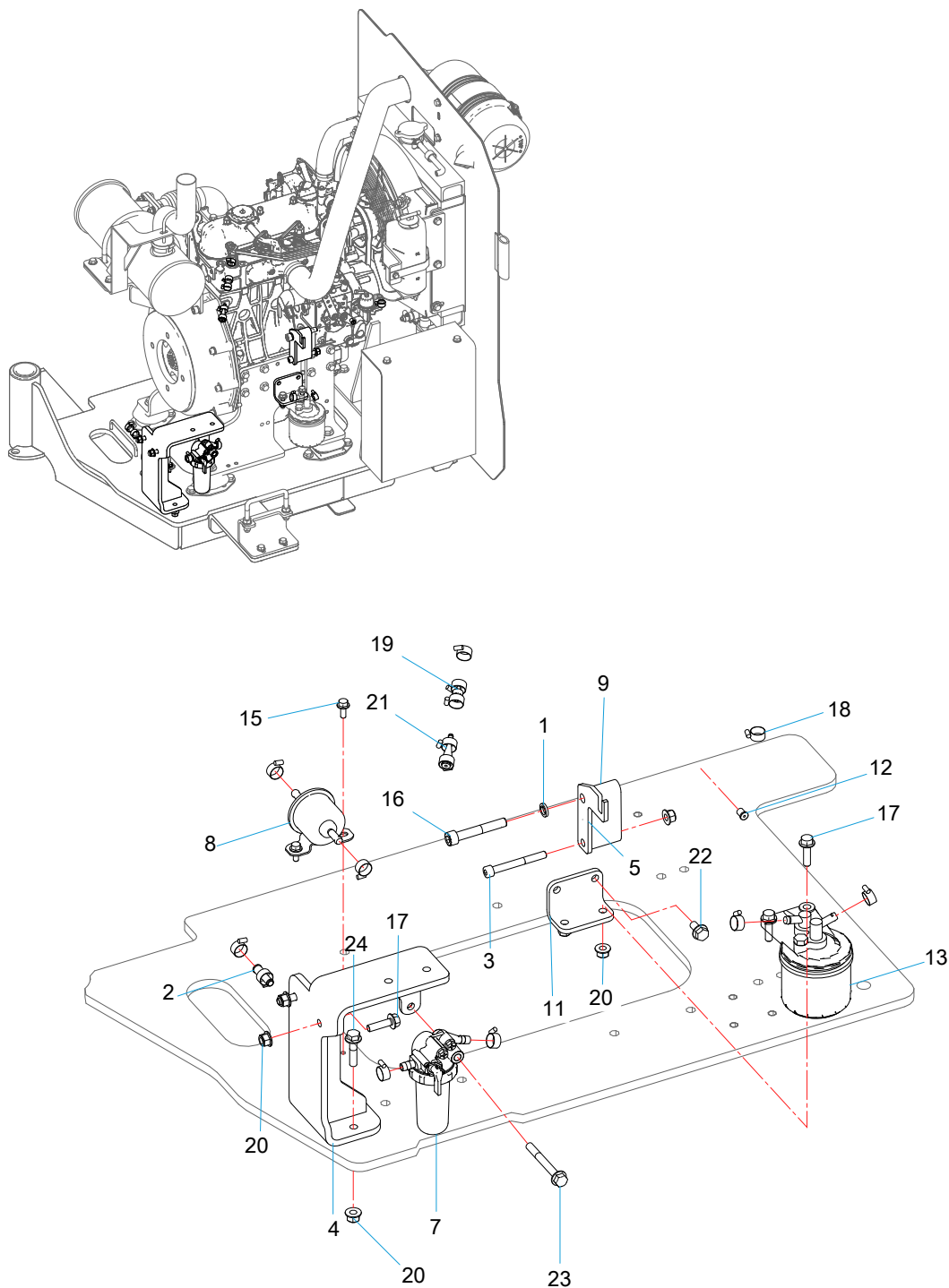




No.	Part No.	Qty.	Description
1	102004030272	1	Strap, fixing
2	104030180061	1	Board, wind
3	215010000248	4	Bolt M10x35-8.8 ZnD GB/T 5789
4	102004030069	1	Pipe, water outlet
5	215010000238	1	Bolt M10×25-8.8-ZnD GB/T 5789
6	216020000014	4	Clamp
7	105084023169	1	Plate
8	102004030085	1	Pipe, inlet
9	207070000003	1	Rubber sealing strip
10	215010000230	1	Bolt M6×16-8.8-ZnD GB/T 5789
11	201040000017	1	Expansion tank
12	215030000109	9	Nut M10-8-ZnD GB/T 6183.1
13	215040000015	3	Washer 8-200HV-ZnD GB/T 96.1
14	215010000246	1	Bolt M10×45-8.8 ZnD GB/T 5789
15	104030020135	1	Folded plate
16	216030000002	4	Water tank shock pad
17	215010000234	5	Bolt M8×20-8.8-ZnD GB/T 5789

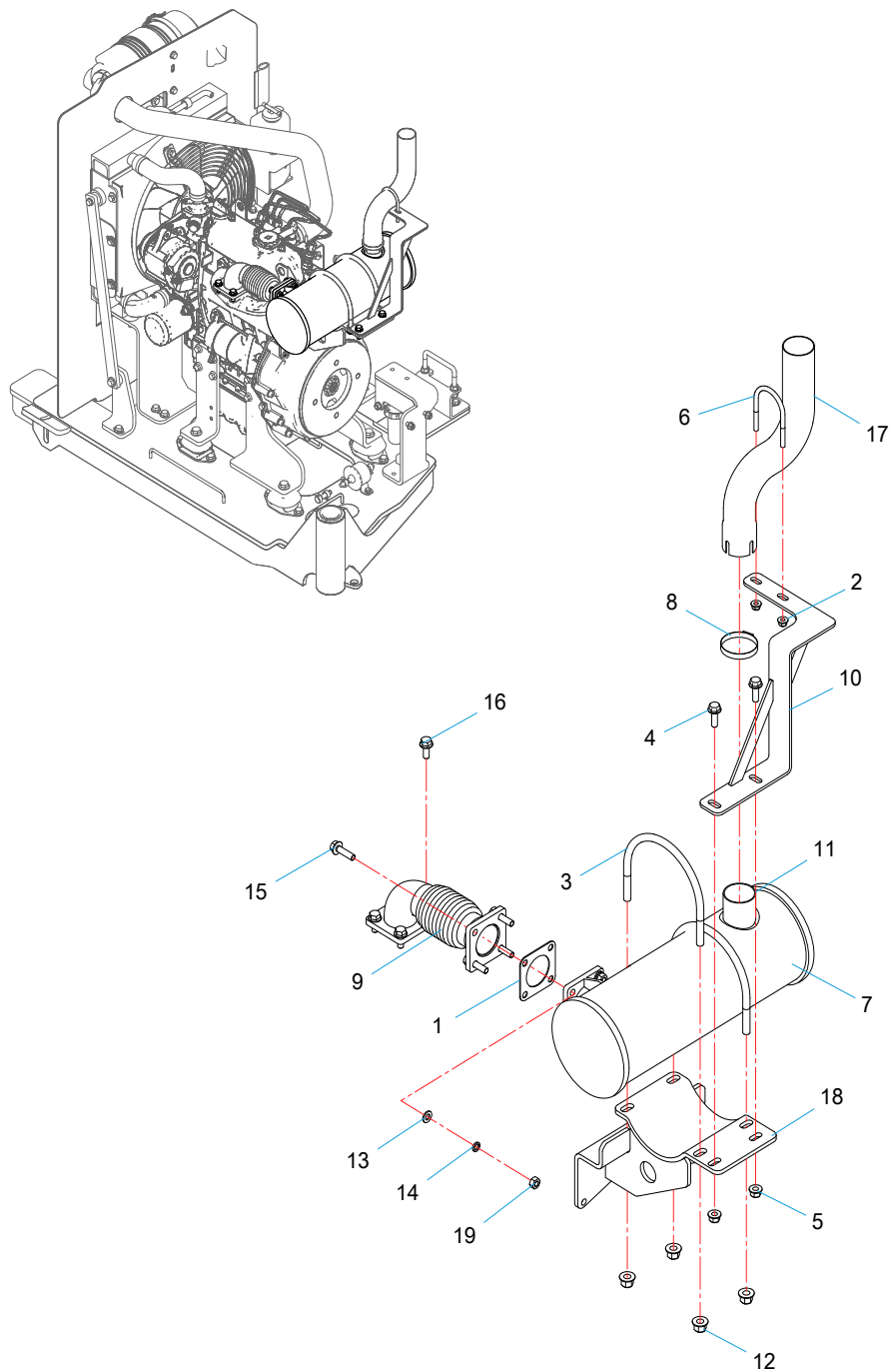
No.	Part No.	Qty.	Description
18	105084023127	2	Support plate
19	104030180016	1	Bracket
20	215030000107	1	Nut M6-A2-70 GB/T 6183.1
21	215010000236	1	Bolt M8×30-8.8-ZnD GB/T 5789
22	201040003127	1	Radiator
23	104030020090	1	Support

3.2.4 FUEL SUPPLY SYSTEM



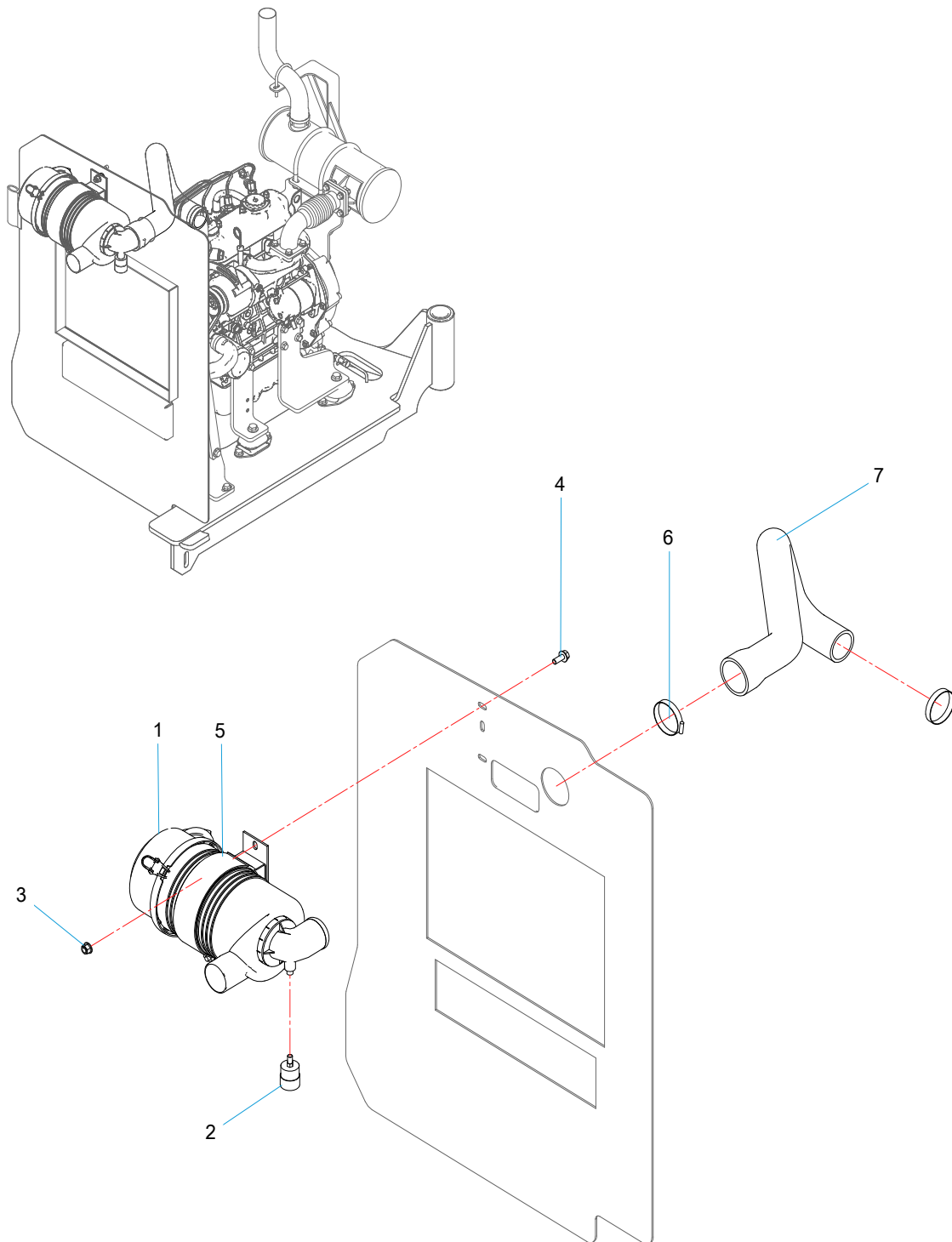
No.	Part No.	Qty.	Description
1	215040000006	1	Washer 10-ZnD GB/T 93
2	104020023104	1	Reducing coupler
3	215020000041	1	Screw M8×70-8.8-ZnD GB/T 70.1
4	104030180080	1	Bracket,,diesel filter
5	102004030054	1	Plate
6	201051063115	1	Fuel pipe,Φ10(Not shown)
7	201051063169	1	Separator, fuel-water
7a	201990000112	1	Element, fuel-water separator
8	201050003060	1	Electric feed pump
9	102004030237	1	Block, nylon
10	213050001671	1	Fuel pipe Φ7.5(Not shown)
11	104030020084	1	Plate
12	104021023056	1	sleeve
13	201050000002	1	Diesel precision filter
13a	201990003209	1	KUBOTA , diesel filter
14	201051063070	1	Fuel line(Not shown)
15	215010000230	2	Bolt M6×16-8.8-ZnD GB/T 5789
16	215020000270	1	Screw M10×1.25×65-8.8-ZnD GB/T 70.1
17	215010000236	4	Bolt M8×30-8.8-ZnD GB/T 5789
18	216020000004	14	Clamp
19	201051063133	1	Valve,check(fuel)(engine own)
20	215030000108	8	Nut M8-8-ZnD GB/T 6183.1
21	104030020109	1	Reducing coupler
22	215010000286	2	Bolt M8×16-8.8-ZnD GB/T 5789
23	215010000317	1	Bolt M8×70-8.8-ZnD GB/T 5789
24	215010000296	2	Bolt M8×35-8.8 ZnD GB/T 5789

3.2.5 EXHAUST SYSTEM



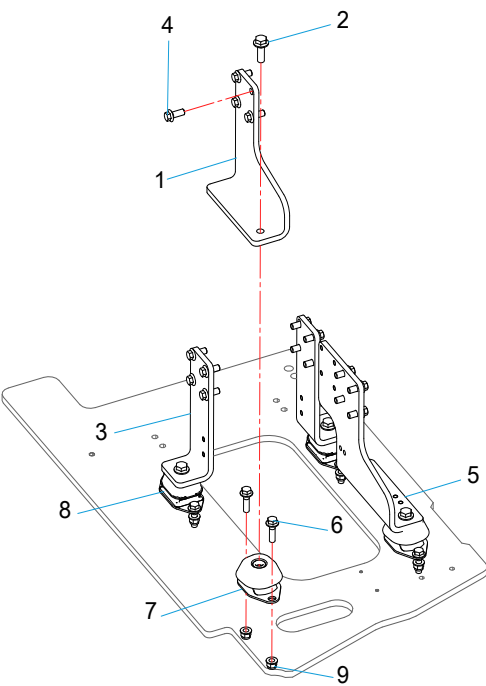
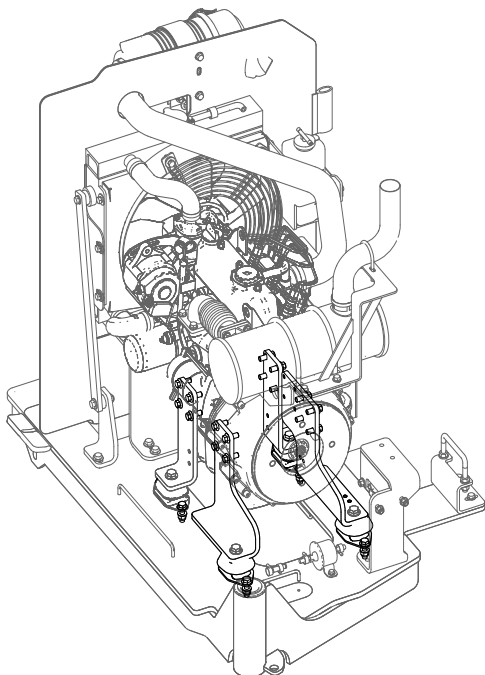
No.	Part No.	Qty.	Description
1	201030003053	1	Shim
2	215030000107	2	Nut M6-A2-70 GB/T 6183.1
3	104031020026	2	U-clamp
4	215010000235	2	Bolt M8×25-8.8-ZnD GB/T 5789
5	215030000121	2	Nut M8-10-ZnD GB/T 6183.1
6	105054023043	1	U-clamp
7	201030003052	1	Jacket,heat-resistant
8	216020000003	1	Clamp
9	201030003041	1	Exhaust tube
10	104030180071	1	Bracket,pipe(exhaust)
11	201030003042	1	Muffler
12	215030000109	4	Nut M10-8-ZnD GB/T 6183.1
13	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
14	215040000005	4	Washer 8-ZnD GB/T 93
15	215010000236	4	Bolt M8×30-8.8-ZnD GB/T 5789
16	215010000264	4	Bolt M8×20-10.9-DKL GB/T 5789
17	104030180056	1	Pipe, exhaust
18	104030180009	1	Bracket
19	215030000005	4	Nut M8-8-ZnD-GB/T 6170

3.2.6 INTAKE SYSTEM



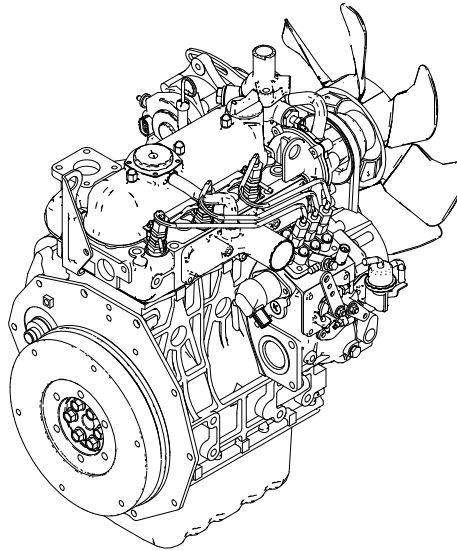
No.	Part No.	Qty.	Description
1	201020003075	1	Air filter
1a	201020003077	1	Air filter element
1b	202070003022	1	Air filter element
2	201020000011	1	Indicator
3	215030000121	2	Nut M8-10-ZnD GB/T 6183.1
4	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
5	201020003076	1	Air filter support
6	216020000002	2	Clamp, hose
7	104030020145	1	Tube

3.2.7 MOUNT SYSTEM



No.	Part No.	Qty.	Description
1	105084023182	1	Support plate, left rear
2	215010000270	4	Bolt M12×35-10.9-DKL GB/T 5789
3	105084023183	2	Support plate,front
4	215010000371	16	Bolt M10×1.25×25-10.9-DKL GB/T 16674.2
5	105084023181	1	Support plate,right rear
6	215010000268	8	Bolt M10×35-10.9-DKL GB/T 5789
7	216040003007	2	Shock pad
8	216040003010	2	Shock pad
9	215030000135	8	Nut M10-10-ZnD GB/T 6183.1

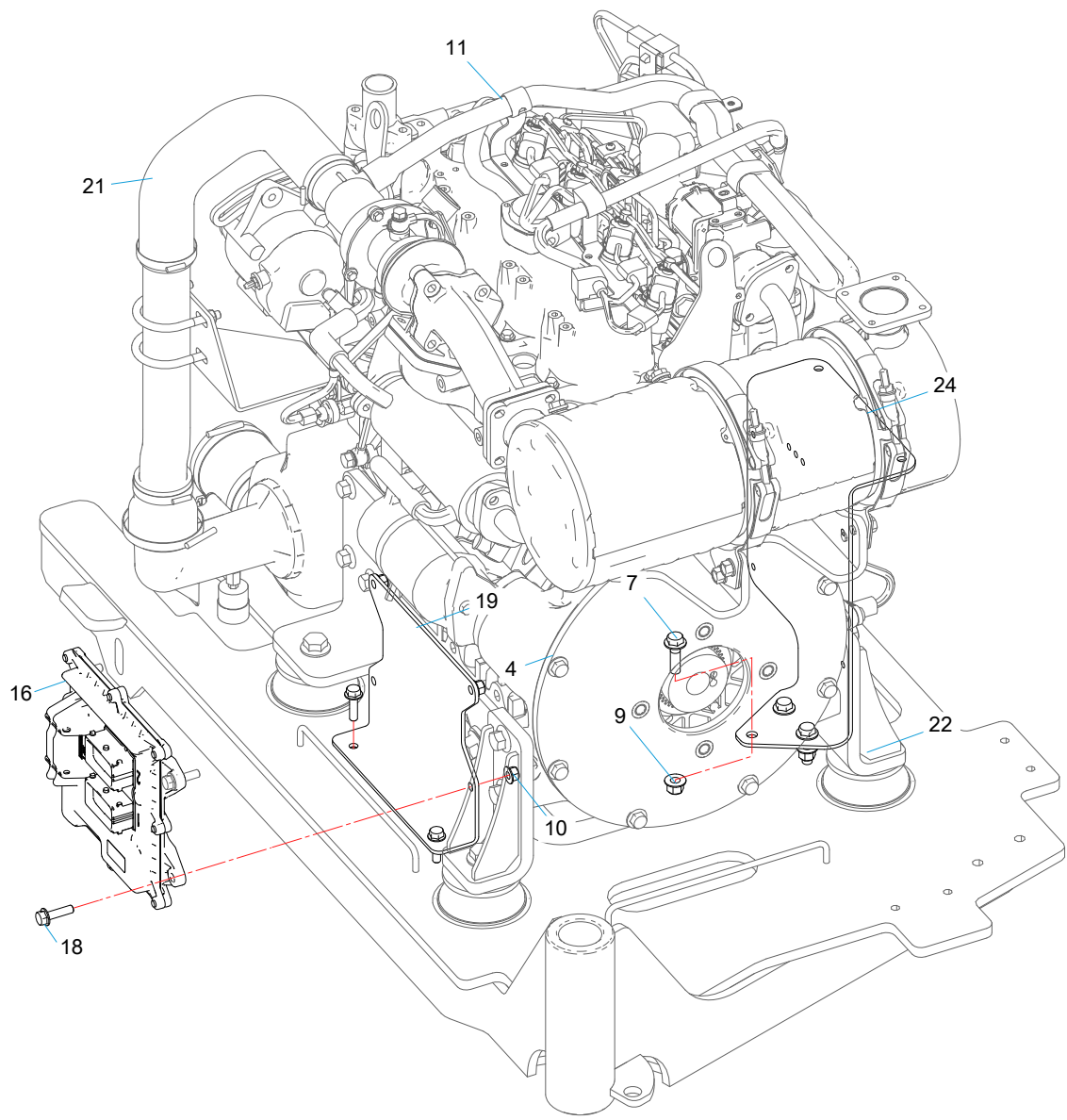
3.2.8 KUBOTA ENGINE V2403BM-DI-CT04 (PN.201010003247)

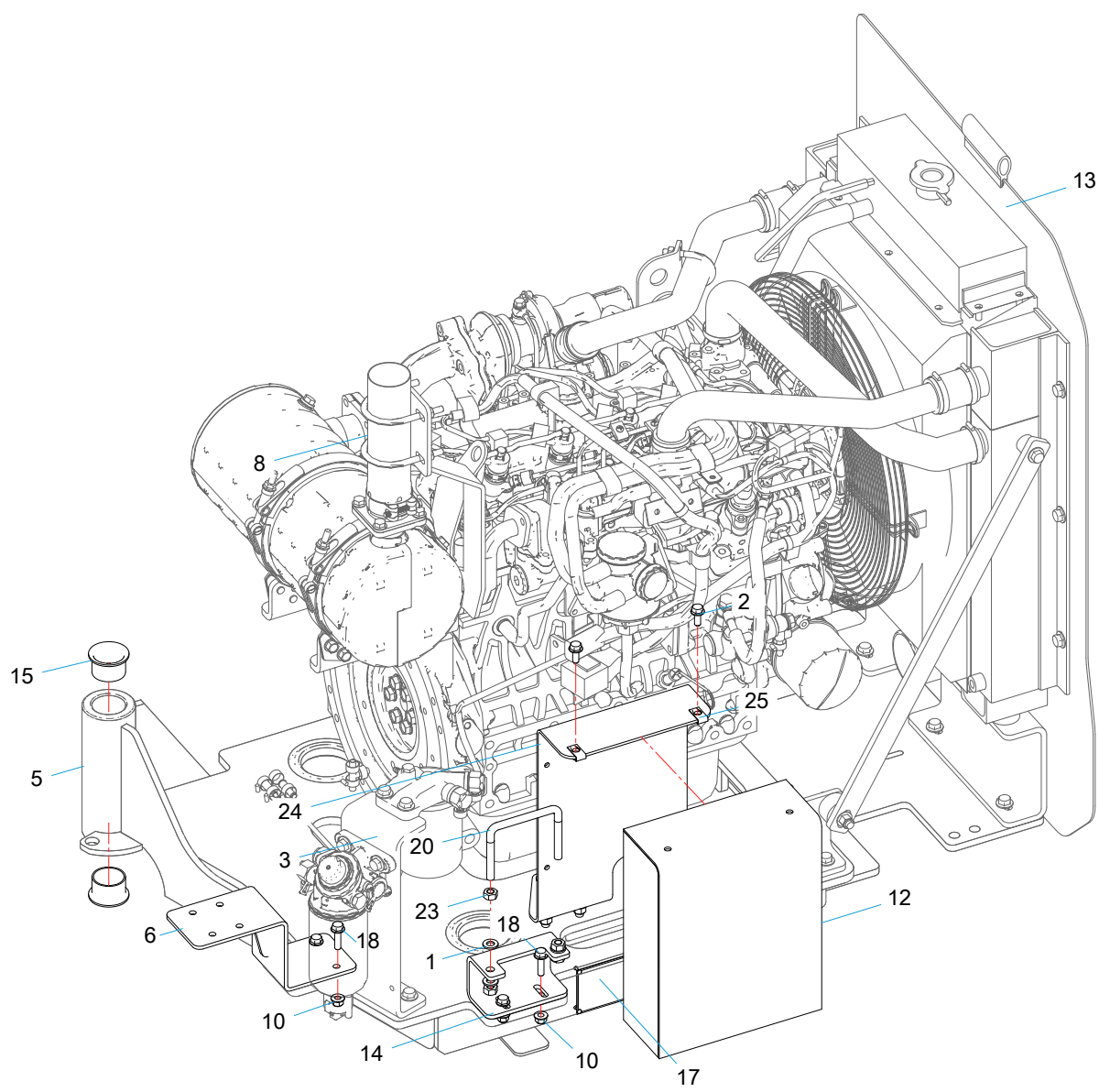


No.	Part No.	Qty.	Description
1	201990003210	1	KUBOTA , Generator
2	201990003213	1	KUBOTA , thermoswitch
3	201040003094	1	Fan (seven)
4	201990003214	1	KUBOTA , Switch , oil
5	201990003215	1	KUBOTA , thermostat
6	201990003216	1	KUBOTA , pump , water
7	201020003064	1	Air filter element
8	201040003096	1	Fan , pad
9	201990003208	1	KUBOTA , engine oil filter
10	201990003206	1	KUBOTA , starting motor
11	201990003207	1	KUBOTA , belt
12	201050000002	1	Diesel precision filter
13	201051063169	1	Separator, fuel-water
14	201990003211	1	KUBOTA , pulley
15	201050003060	1	Electric feed pump

3.3 ENGINE V2403-CR-TIE4B (CONTINUOUS ROTATION- TURNTABLE LENGTH= 2.328 M)

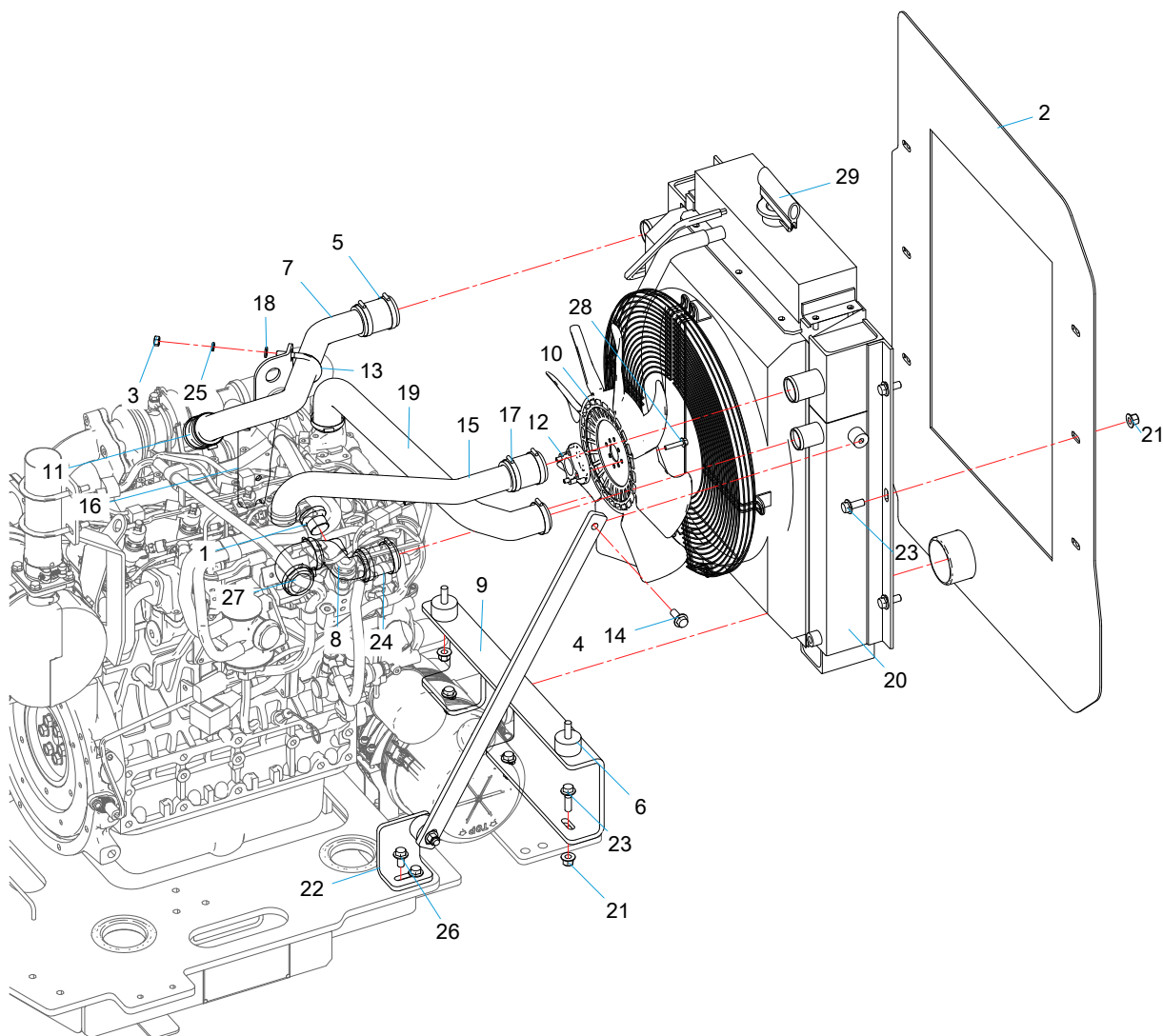
3.3.1 ENGINE INSTALLATION





No.	Part No.	Qty.	Description
1	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1
2	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
3	104030020157	1	INST,SYS(fuel supply)
4	105084023371	1	Driving device,oil pump (engine)
5	104030020150	1	Mount, engine
6	104030050177	1	Bracket, filter
7	215010000248	3	Bolt M10x35-8.8 ZnD GB/T 5789
8	104030020156	1	INST.SYS(exhaust air)
9	215030000109	3	Nut M10-8-ZnD GB/T 6183.1
10	215030000108	8	Nut M8-8-ZnD GB/T 6183.1
11	201010003214	1	Engine,Kubota(V2403-CR-TIE4B-SBM-2)
12	104030020144	1	Cover
13	104030020154	1	INST,SYS(cooling)
14	104030020226	1	Plate,folded
15	214030000015	2	Bearings 40×44×30 SF-LF
16	203020003202	1	KUBOTA engine ECU
17	105084100020	1	INST, exemption information label (Kubota,V2403-CR-TIE4B-SBM-2)
18	215010000236	10	Bolt M8×30-8.8-ZnD GB/T 5789
19	102013033291	1	Mounting plate
20	105021020163	1	U-bolt
21	105084023317	1	INST,SYS(intake air)
22	105084023315	1	INST,SYS(mount)
23	215030000006	4	Nut M10-8-ZnD GB/T 6170
24	104030020142	1	Folded plate
25	215030000106	2	B type spring nuts

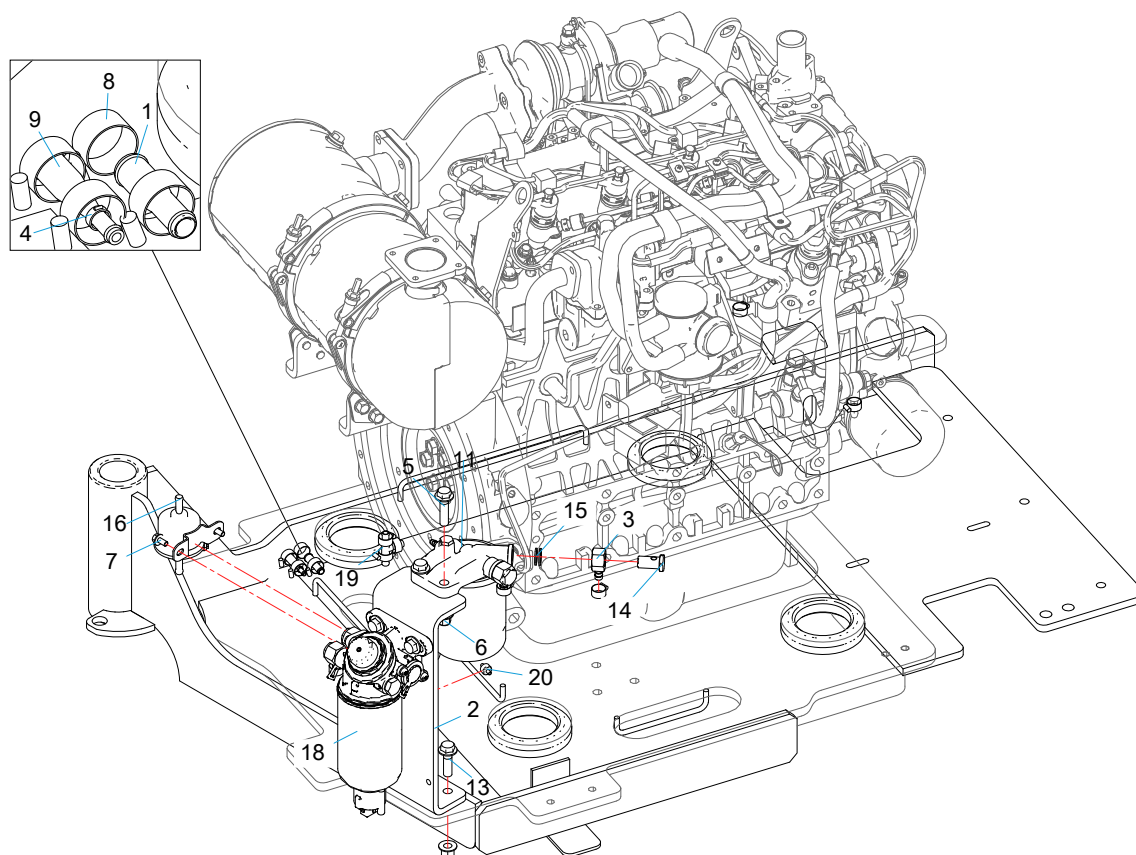
3.3.2 COOLING SYSTEM INSTALLATION



No.	Part No.	Qty.	Description
1	105084023378	1	Plug
2	104030020173	1	Plate WELD,buffle(wind)
3	215030000005	2	Nut M8-8-ZnD-GB/T 6170
4	105084023281	1	Rod
5	105084023369	3	Connecting sleeve
6	216030000002	3	Water tank shock pad
7	105084023263	1	Tube,inlet(intercooled)
8	105084023375	1	Pipe WELD, inlet
9	105084023417	1	Plate,folded
10	201040003051	1	Fan
11	105084023370	1	Connecting sleeve
12	201040003053	1	Fan shim

No.	Part No.	Qty.	Description
13	105038020068	1	Clasp
14	215010000238	7	Bolt M10×25-8.8-ZnD GB/T 5789
15	105084023262	1	Tube,outlet(intercooled)
16	105084023372	1	Plate,folded
17	216020000003	14	Clamp
18	215040000034	2	Washer 8-200HV-ZnD GB/T 97.1
19	105084023267	1	Hose, water(inlet)
20	201040003110	1	Radiator
21	215030000109	13	Nut M10-8-ZnD GB/T 6183.1
22	105084023277	1	Plate,folded
23	215010000248	3	Bolt M10x35-8.8 ZnD GB/T 5789
24	105084023377	1	Sleeve,connecting
25	215040000005	2	Washer 8-ZnD GB/T 93
26	215010000237	2	Bolt M10×20-8.8-ZnD GB/T 5789
27	105084023376	1	Sleeve,connecting
28	215010000282	4	Bolt M6×30-8.8-ZnD GB/T 5789
29	207070000003	1	Rubber sealing strip

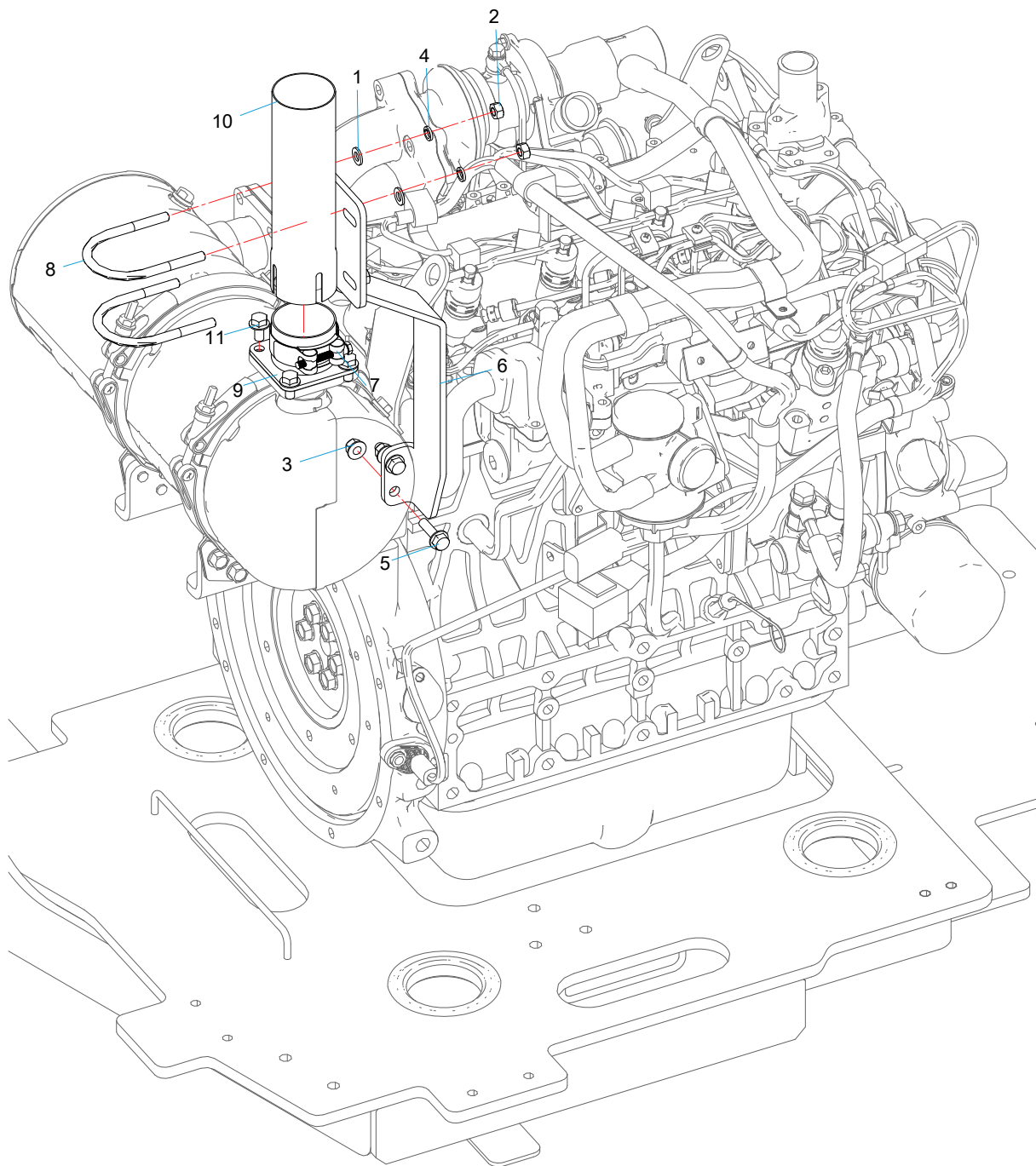
3.3.3 FUEL SUPPLY SYSTEM INSTALLATION



No.	Part No.	Qty.	Description
1	104020023104	1	Reducing coupler
2	104030020171	1	Bracket
3	201051063127	4	Joint,special(engine own)
4	201051063131	4	Clip,pipe(engine own)
5	215010000240	2	Bolt M10×40-8.8-ZnD GB/T 5789
6	215030000109	6	Nut M10-8-ZnD GB/T 6183.1
7	215010000281	2	Bolt M6×12-8.8-ZnD GB/T 5789
8	216020000004	15	Clamp
9	104030020109	1	Reducing coupler
10	213050000085	1	Fuel pipe(no mark)
11	201051063128	1	Filter,fuel(precision)(engine own)
11a	201990003456	1	Element, filter (diesel)
12	213050000095	1	Fuel pipe(no mark)
13	215010000248	4	Bolt M10x35-8.8 ZnD GB/T 5789
14	201051063126	4	Bolt,special(M14)(engine own)

No.	Part No.	Qty.	Description
15	201051063125	8	Washer 14(engine own)
16	201051063042	1	Electric feed pump
17	201051063129	1	Pipe,fuel($\phi 4$)(engine own)(no mark)
18	201050003059	1	Fuel-water separator
18a	201990003459	1	Element, fuel-water separator
19	201051063130	1	Joint,T-pipe($\phi 8$)(engine own)
20	201051063133	1	Valve,check(fuel)(engine own)

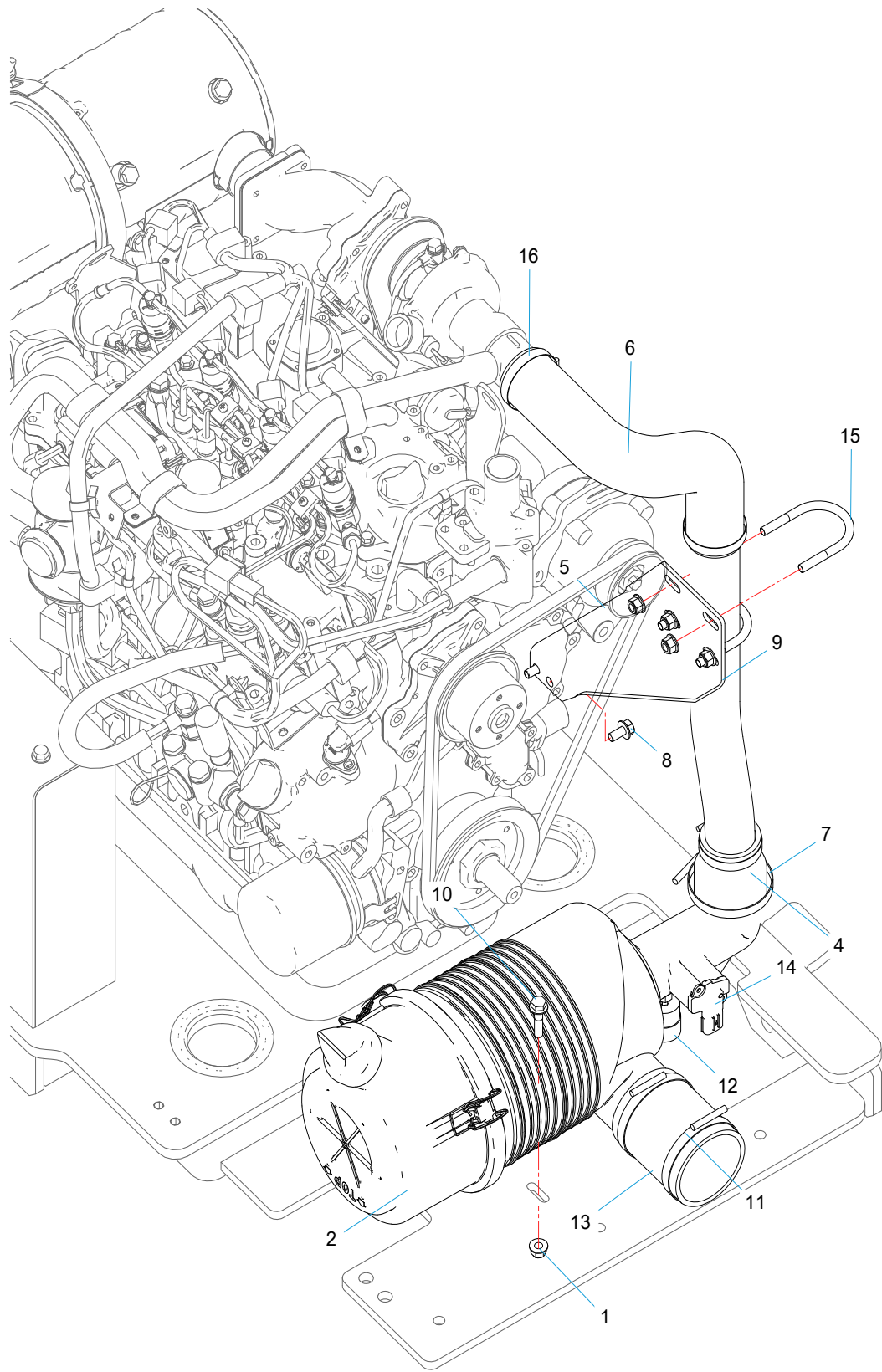
3.3.4 EXHAUST SYSTEM INSTALLATION



No.	Part No.	Qty.	Description
1	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
2	215030000005	4	Nut M8-8-ZnD-GB/T 6170
3	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
4	215040000005	4	Washer 8-ZnD GB/T 93
5	215010000236	2	Bolt M8x30-8.8-ZnD GB/T 5789
6	104030020301	1	Plate, folded

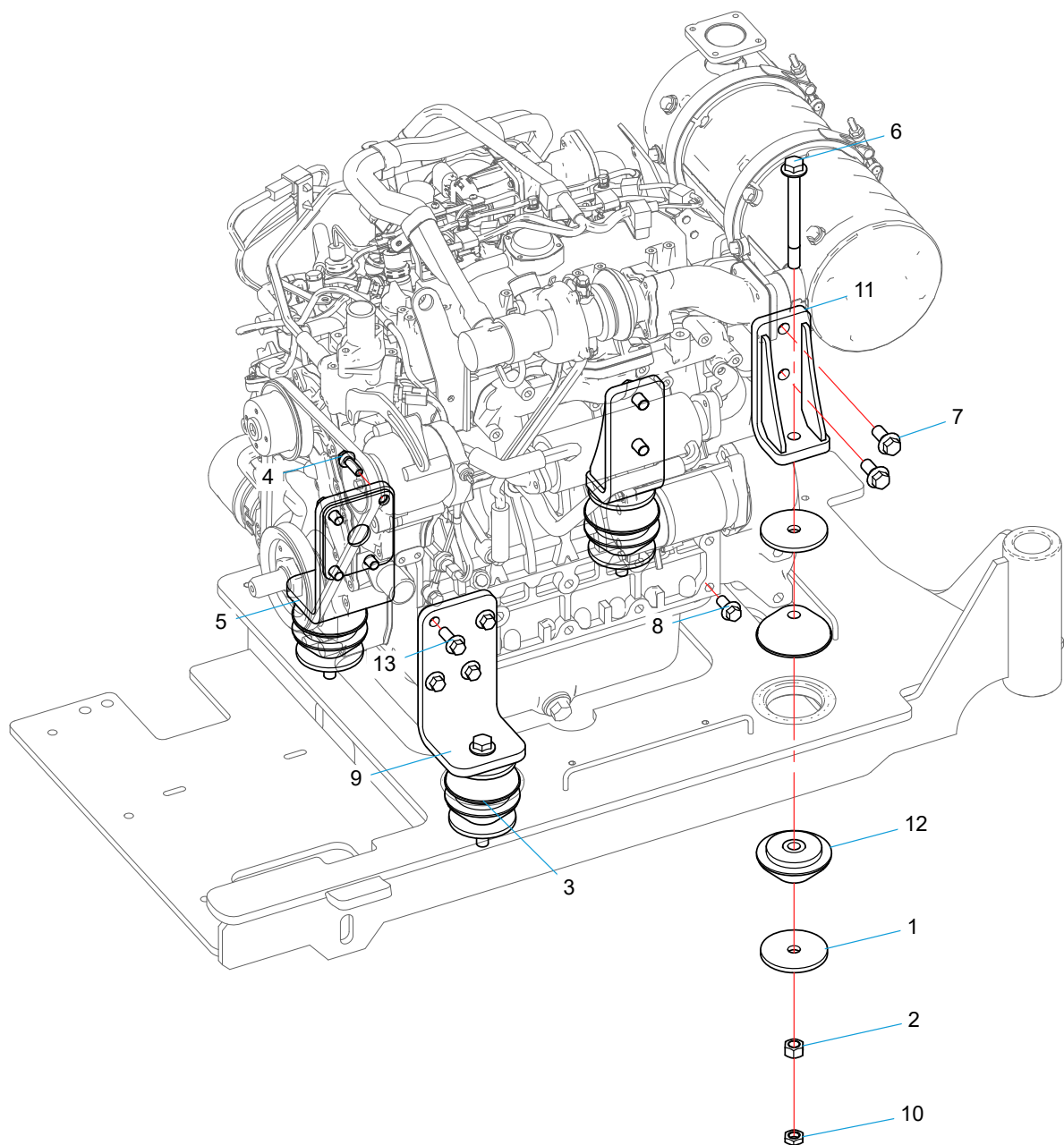
No.	Part No.	Qty.	Description
7	216020003035	1	Clamp
8	105050023006	2	U-clamp
9	105084023280	1	Base
10	104030020159	1	Tube,exhaust
11	215010000263	4	Bolt M8×16-10.9-DKL GB/T 5789

3.3.5 INTAKE SYSTEM INSTALLATION



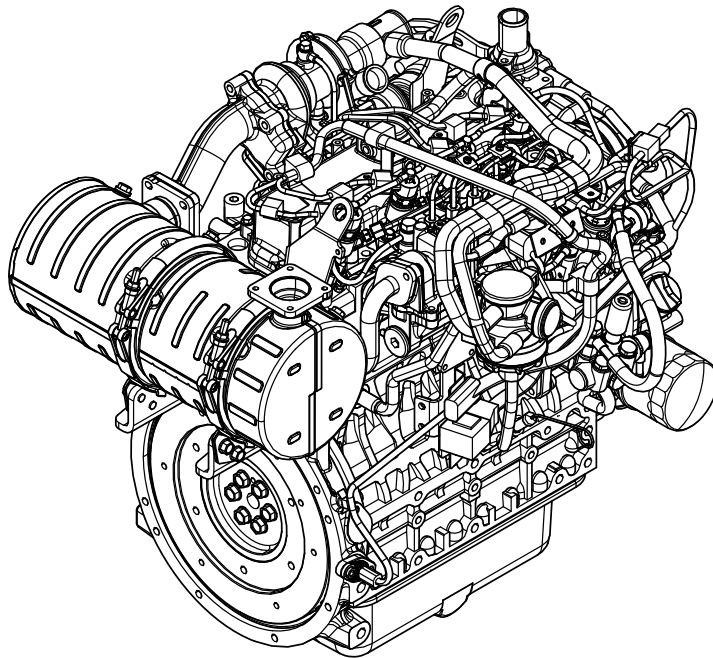
No.	Part No.	Qty.	Description
1	215030000108	6	Nut M8-8-ZnD GB/T 6183.1
2	201020003120	1	Filter,air(engine own)
2a	201020003129	1	Outer element,air filter
2b	201020003130	1	Inner element,air filter
3	201020003119	1	Band,filter(air)(engine own)
4	104030020266	1	Hose,intake(air)
5	104030020264	1	Bracket
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

3.3.6 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

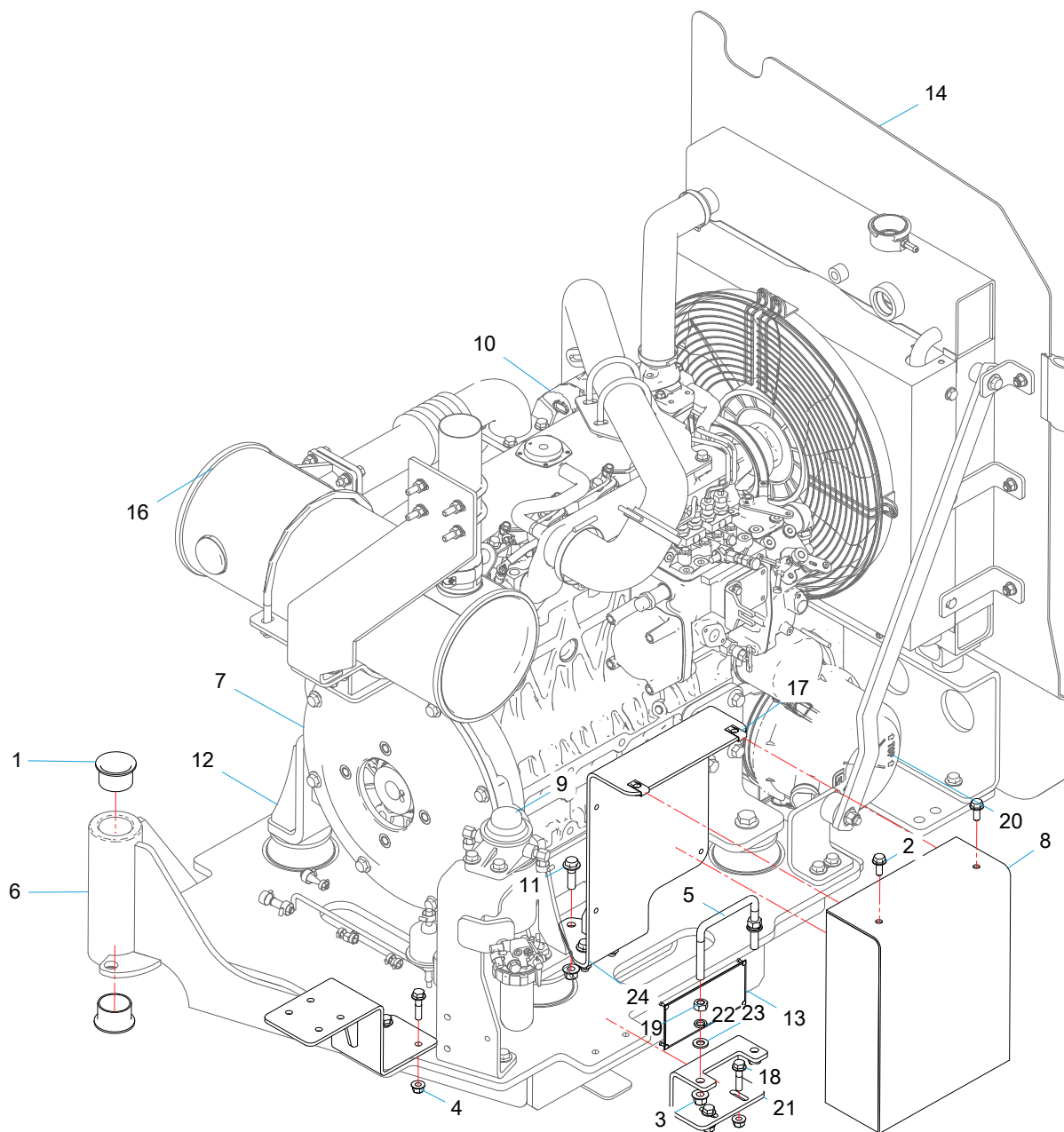
3.3.7 KUBOTA ENGINE V2403-CR-TIE4B-SBM-2 (PN.201010003214)



No.	Part No.	Qty.	Description
1	201990003455	1	Element, filter (engine oil)
2	201020003129	1	Outer element,air filter
3	201051063129	1	Pipe,fuel(ϕ 4)(engine own)
4	201040003053	1	Fan shim
5	203020003202	1	KUBOTA engine ECU
6	201020003120	1	Filter,air(engine own)
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(ϕ 8)(engine own)
14	201990003459	1	Element, fuel-water separator
15	201051063128	1	Filter,fuel(precision)(engine own)
16	201050003059	1	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

3.4 ENGINE V2403-M-DI-E3B (CONTINUOUS ROTATION- TURNTABLE LENGTH= 2.328 M)

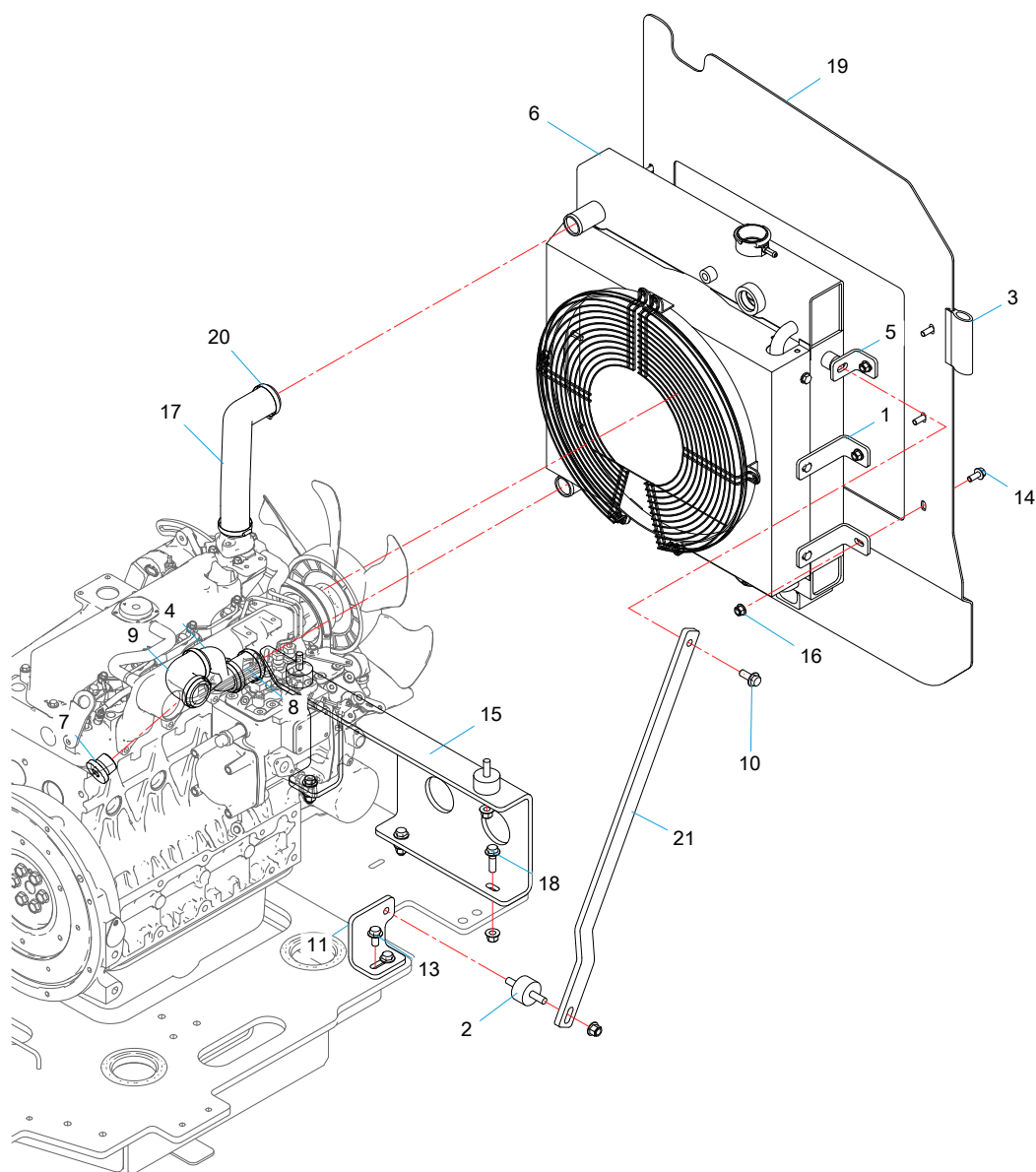
3.4.1 ENGINE INSTALLATION



No.	Part No.	Qty.	Description
1	214030000015	2	Bearings 40×44×30 SF-LF
2	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
3	215030000109	5	Nut M10-8-ZnD GB/T 6183.1
4	215030000108	4	Nut M8-8-ZnD GB/T 6183.1
5	105021020163	1	U-bolt
6	104030020150	1	Mount, engine
7	105084023371	1	Driving device,oil pump (engine)
8	104030020144	1	Cover

No.	Part No.	Qty.	Description
9	104030180032	1	INST,SYS(fuel supply)
10	201010003226	1	Kubota engine,GB IV(V2403)
11	215010000248	3	Bolt M10x35-8.8 ZnD GB/T 5789
12	105084023315	1	INST,SYS(mount)
13	104030180042	1	INST , Environmental information plate (Kubota V2403BM-DI-CT04 China IV)
14	104030180029	1	INST,SYS(cooling)
15	104030050177	1	Bracket, filter
16	104030180031	1	INST.SYS(exhaust air)
17	215030000106	2	B type spring nuts
18	215010000296	4	Bolt M8×35-8.8 ZnD GB/T 5789
19	215030000006	2	Nut M10-8-ZnD GB/T 6170
20	105084180021	1	INST,SYS(intake air)
21	104030020226	1	Plate,folded
22	215040000006	2	Washer 10-ZnD GB/T 93
23	215040000035	2	Washer 10-200HV-ZnD GB/T 97.1
24	104030180053	1	Bracket

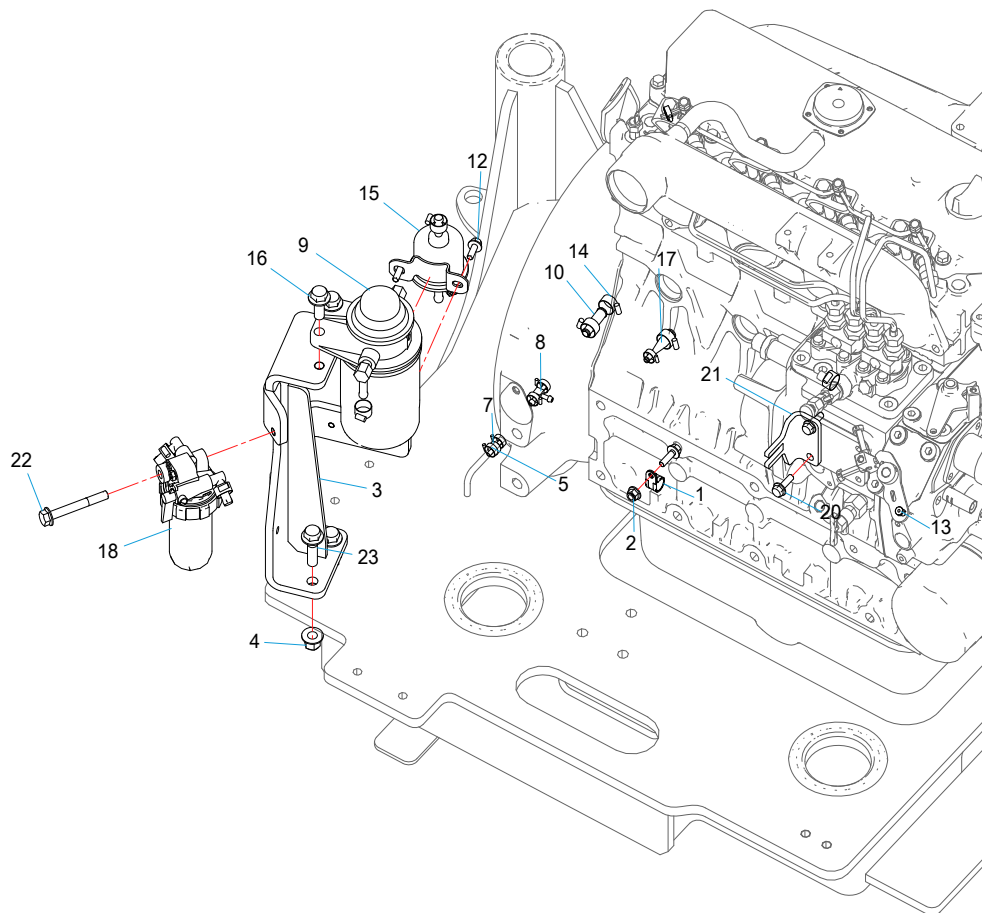
3.4.2 COOLING SYSTEM INSTALLATION



No.	Part No.	Qty.	Description
1	105084180025	4	Plate, folded
2	216030000002	3	Water tank shock pad
3	207070000003	1	Rubber sealing strip
4	105084180015	1	Pipe WELD, inlet
5	105084180026	2	Plate, folded
6	201040003050	1	KUBOTA engine radiator
7	105084023378	1	Plug
8	105084023377	1	Sleeve,connecting

No.	Part No.	Qty.	Description
9	105084023376	1	Sleeve,connecting
10	215010000238	1	Bolt M10×25-8.8-ZnD GB/T 5789
11	105084023277	1	Plate,folded
12	215030000109	7	Nut M10-8-ZnD GB/T 6183.1
13	215010000237	3	Bolt M10×20-8.8-ZnD GB/T 5789
14	215010000234	6	Bolt M8×20-8.8-ZnD GB/T 5789
15	104030180037	1	Plate,grooved
16	215030000108	6	Nut M8-8-ZnD GB/T 6183.1
17	102013033262	1	Hose, water supply
18	215010000248	3	Bolt M10x35-8.8 ZnD GB/T 5789
19	104030180039	1	Plate WELD, baffle(wind)
20	216020000003	6	Clamp
21	105084180012	1	Rod, tie

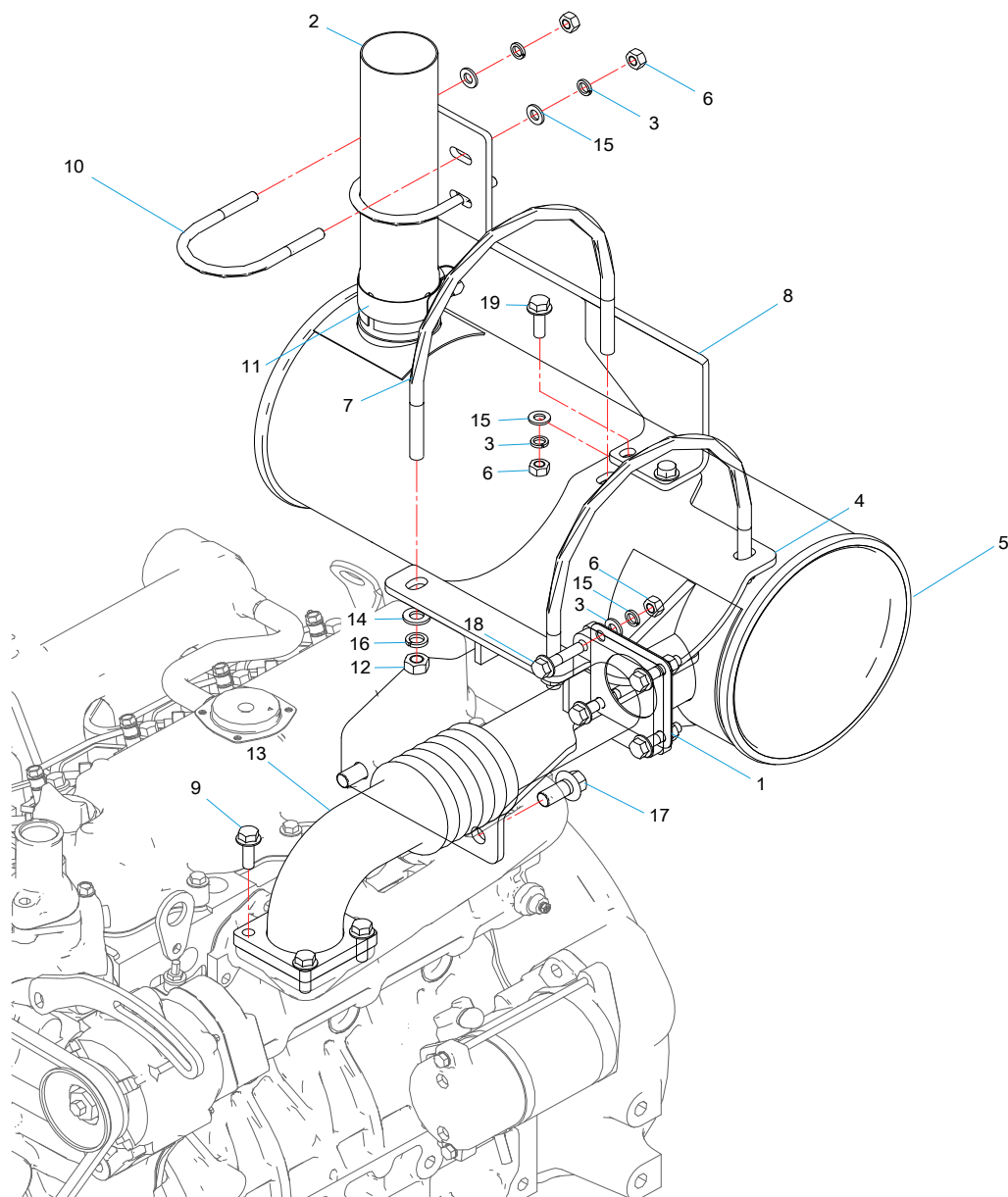
3.4.3 FUEL SUPPLY SYSTEM INSTALLATION



No.	Part No.	Qty.	Description
1	216020000023	1	Ring, fixing (SSG)
2	215030000107	1	Nut M6-A2-70 GB/T 6183.1
3	104030180036	1	Bracket
4	215030000109	2	Nut M10-8-ZnD GB/T 6183.1
5	216020000021	6	Hose clamp
6	213050000095	1	Fuel pipe(no mark)
7	201051063133	1	Valve,check(fuel)(engine own)
8	201051063164	1	T-joint
9	201051063141	1	Fuel filter
9a	201990003457	1	Element, filter (diesel)
10	104020023104	1	Reducing coupler
11	201051063070	1	Fuel line(no mark)
12	215010000230	2	Bolt M6×16-8.8-ZnD GB/T 5789

No.	Part No.	Qty.	Description
13	104030180083	1	sleeve
14	216020000004	10	Clamp
15	201051063142	1	Electric feed pump
16	215010000238	2	Bolt M10×25-8.8-ZnD GB/T 5789
17	104030020109	1	Reducing coupler
18	201050003053	1	Fuel-water separator
18a	201051063153	1	Element, fuel-water separator
19	213050000085	1	Fuel pipe(no mark)
20	215010000231	3	Bolt M6×20-8.8-ZnD GB/T 5789
21	105084180043	1	Plate
22	215010000319	1	Bolt M8×65-8.8-ZnD GB/T 5789
23	215010000248	2	Bolt M10x35-8.8 ZnD GB/T 5789

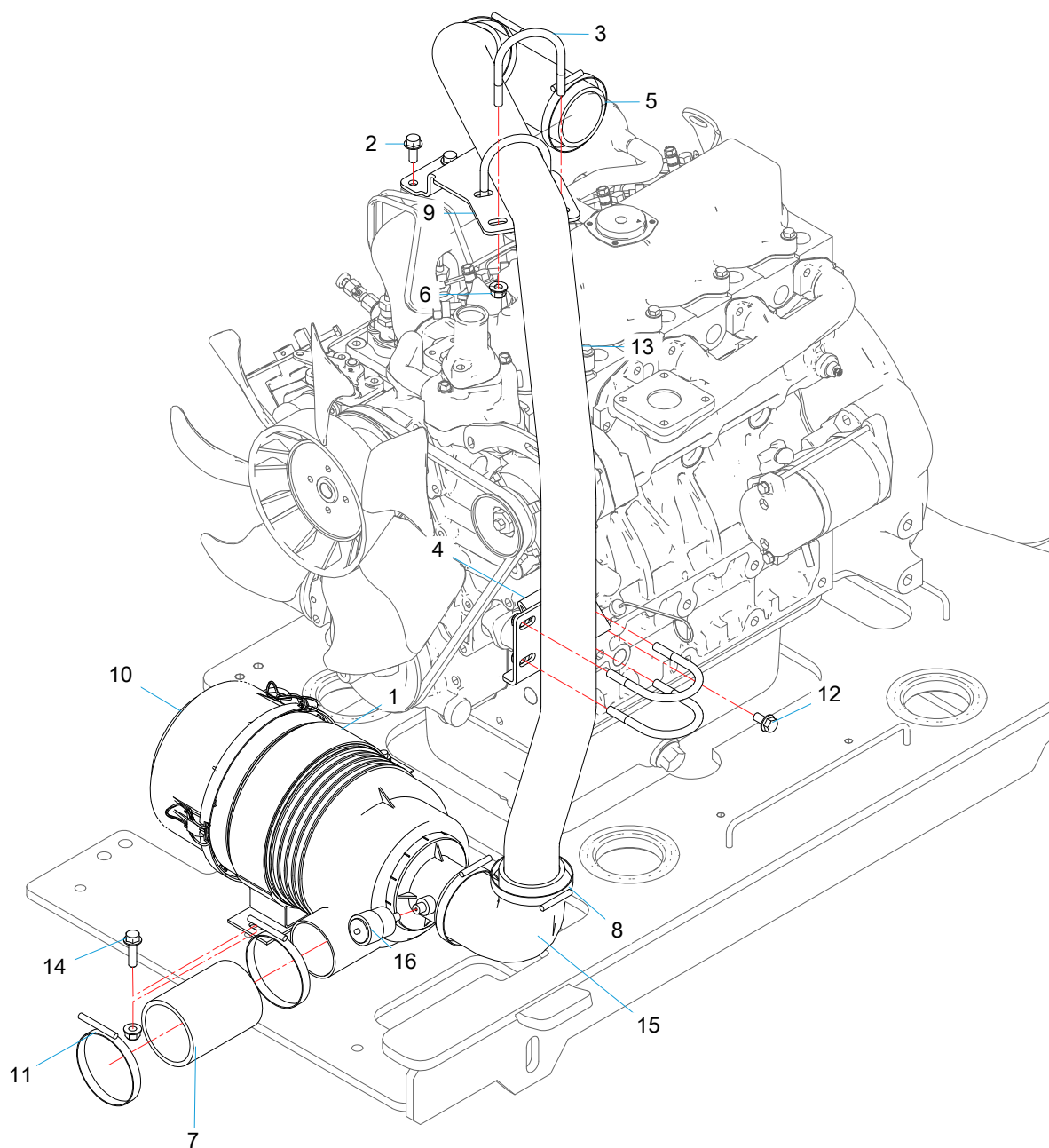
3.4.4 EXHAUST SYSTEM INSTALLATION



No.	Part No.	Qty.	Description
1	201030003062	1	Shim
2	104030180040	1	Tube,exhaust
3	215040000005	10	Washer 8-ZnD GB/T 93
4	105084180030	1	Bracket, silencer mounting
5	201030003001	1	Yanmar silencer
6	215030000005	10	Nut M8-8-ZnD-GB/T 6170
7	104020023111	2	U-clasp
8	104030180058	1	Plate , Fold

No.	Part No.	Qty.	Description
9	215010000265	4	Bolt M8×25-10.9-DKL GB/T 5789
10	105050023006	2	U-clamp
11	216020003035	1	Clamp
12	215030000006	4	Nut M10-8-ZnD GB/T 6170
13	105084180050	1	Pipe, corrugated
14	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1
15	215040000034	10	Washer 8-200HV-ZnD GB/T 97.1
16	215040000006	4	Washer 10-ZnD GB/T 93
17	215010000374	2	Bolt M12×1.25×25-10.9-DKL GB/T 16674.2
18	215010000296	4	Bolt M8×35-8.8 ZnD GB/T 5789
19	215010000235	2	Bolt M8×25-8.8-ZnD GB/T 5789

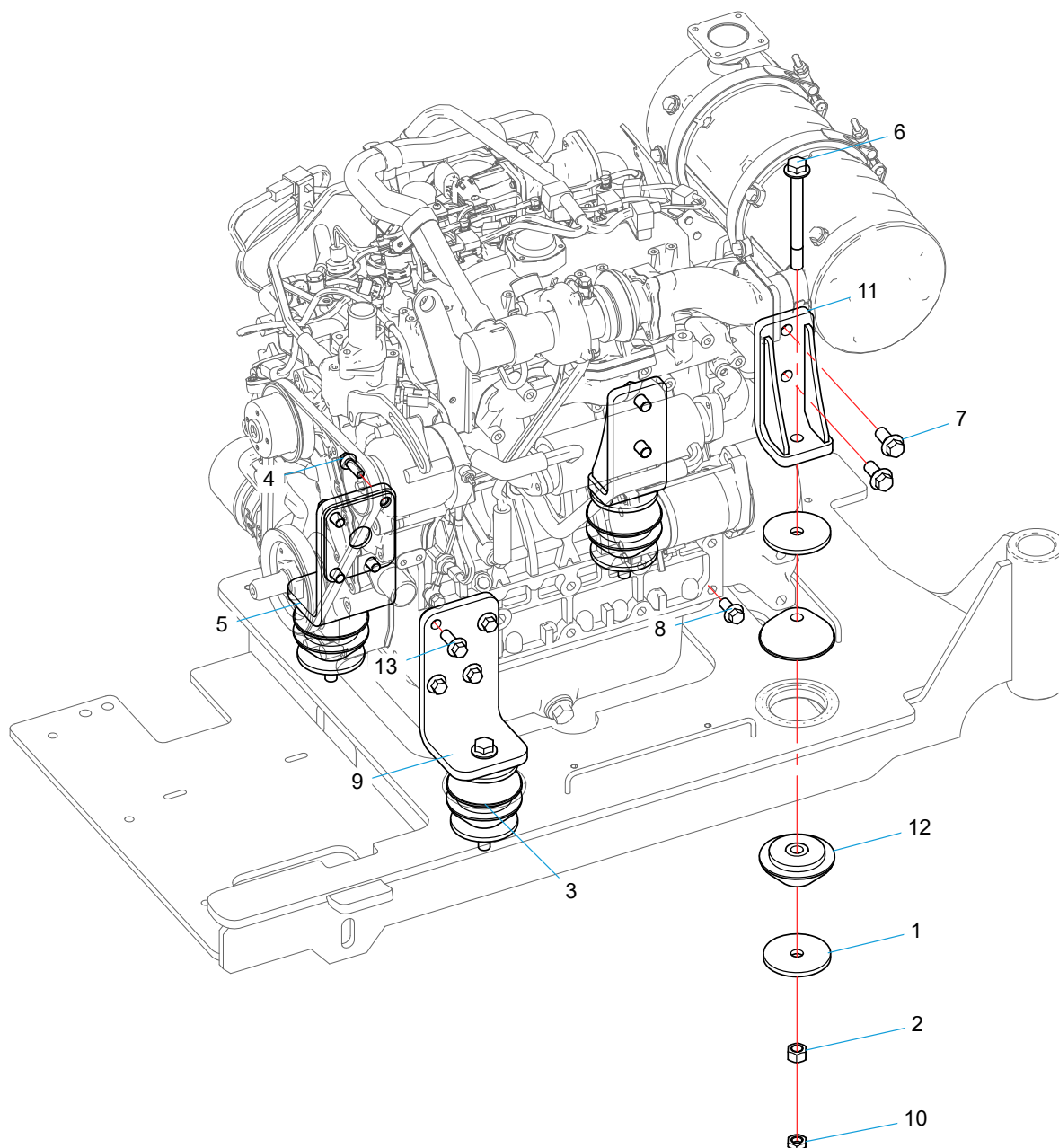
3.4.5 INTAKE SYSTEM INSTALLATION



No.	Part No.	Qty.	Description
1	201020003067	1	Bracket, air filter
2	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
3	102015034187	4	U-bolt
4	105084180024	1	Bracket
5	105084180022	1	Tube
6	215030000108	10	Nut M8-8-ZnD GB/T 6183.1

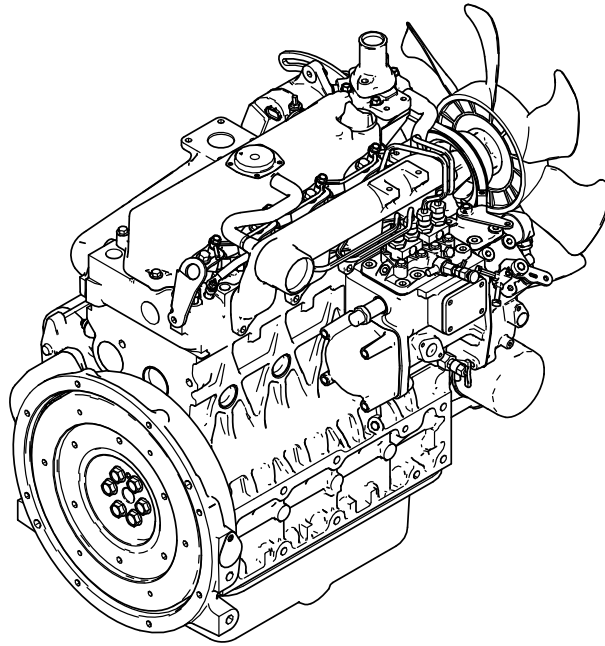
No.	Part No.	Qty.	Description
7	105084180040	1	Hose, intake
8	216020000009	4	Hose clamp
9	105084180023	1	Bracket
10	201020003056	1	Air filter
10a	201020003062	1	Air filter element
10b	201020003063	1	Air filter element
11	216020000006	2	T-clamp
12	215010000286	2	Bolt M8×16-8.8-ZnD GB/T 5789
13	105084180020	1	Tube
14	215010000236	2	Bolt M8×30-8.8-ZnD GB/T 5789
15	105084180019	1	Hose, intake
16	201020000011	1	Indicator

3.4.6 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

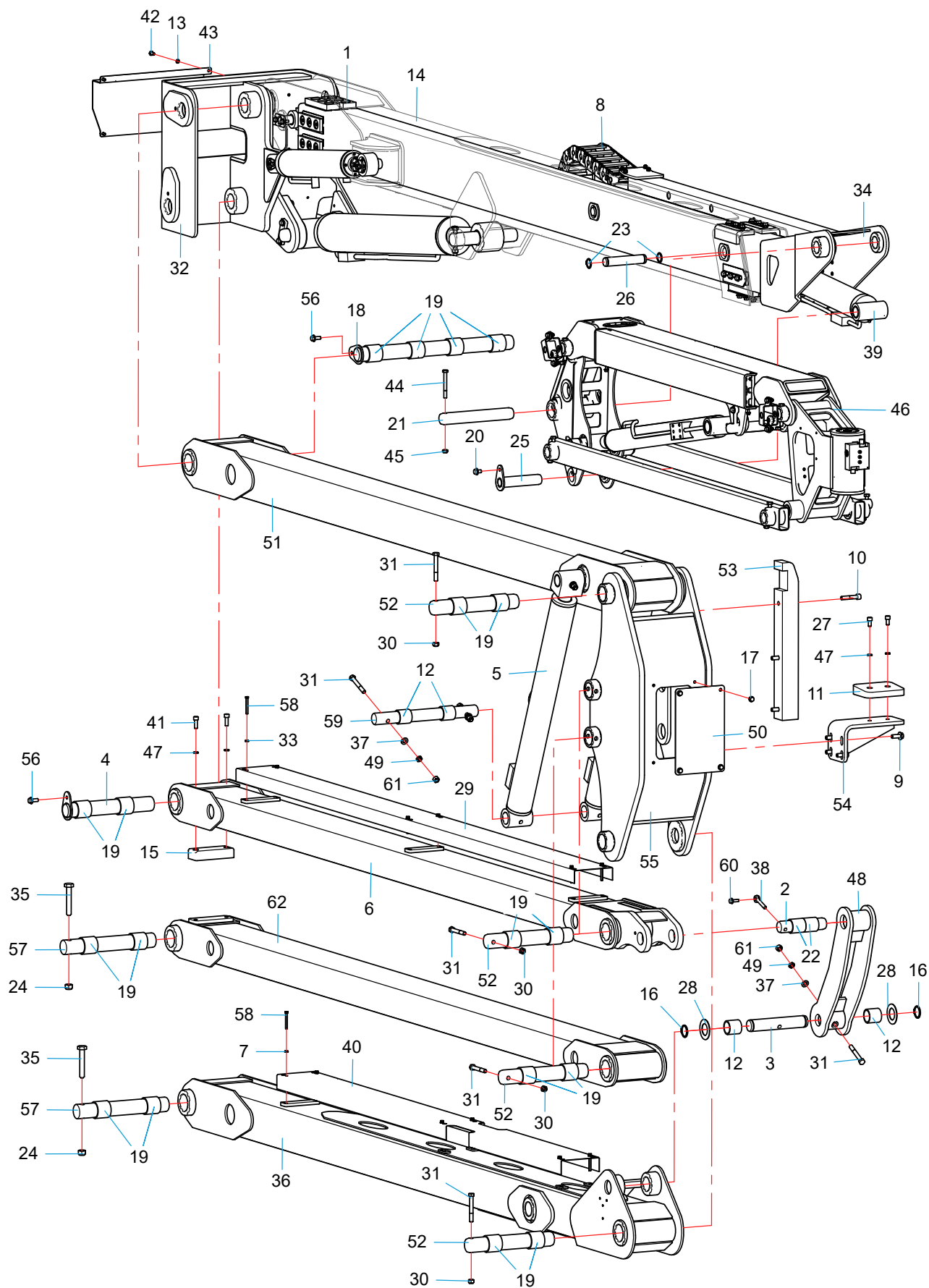
3.4.7 KUBOTA ENGINE V2403BM-DI-CT04 (PN.201010003226)



No.	Part No.	Qty.	Description
1	201020003063	1	Air filter element
2	201051063142	1	Electric feed pump
3	201990003457	1	Element, filter (diesel)
4	201051063133	1	Valve,check(fuel)(engine own)
5	201990003471	1	Element, filter (engine oil)
6	201051063164	1	T-joint
7	201051063141	1	Fuel filter
8	201050003053	1	Fuel-water separator
9	201020003062	1	Air filter element
10	201051063153	1	Element, fuel-water separator

4 BOOM ASSEMBLY

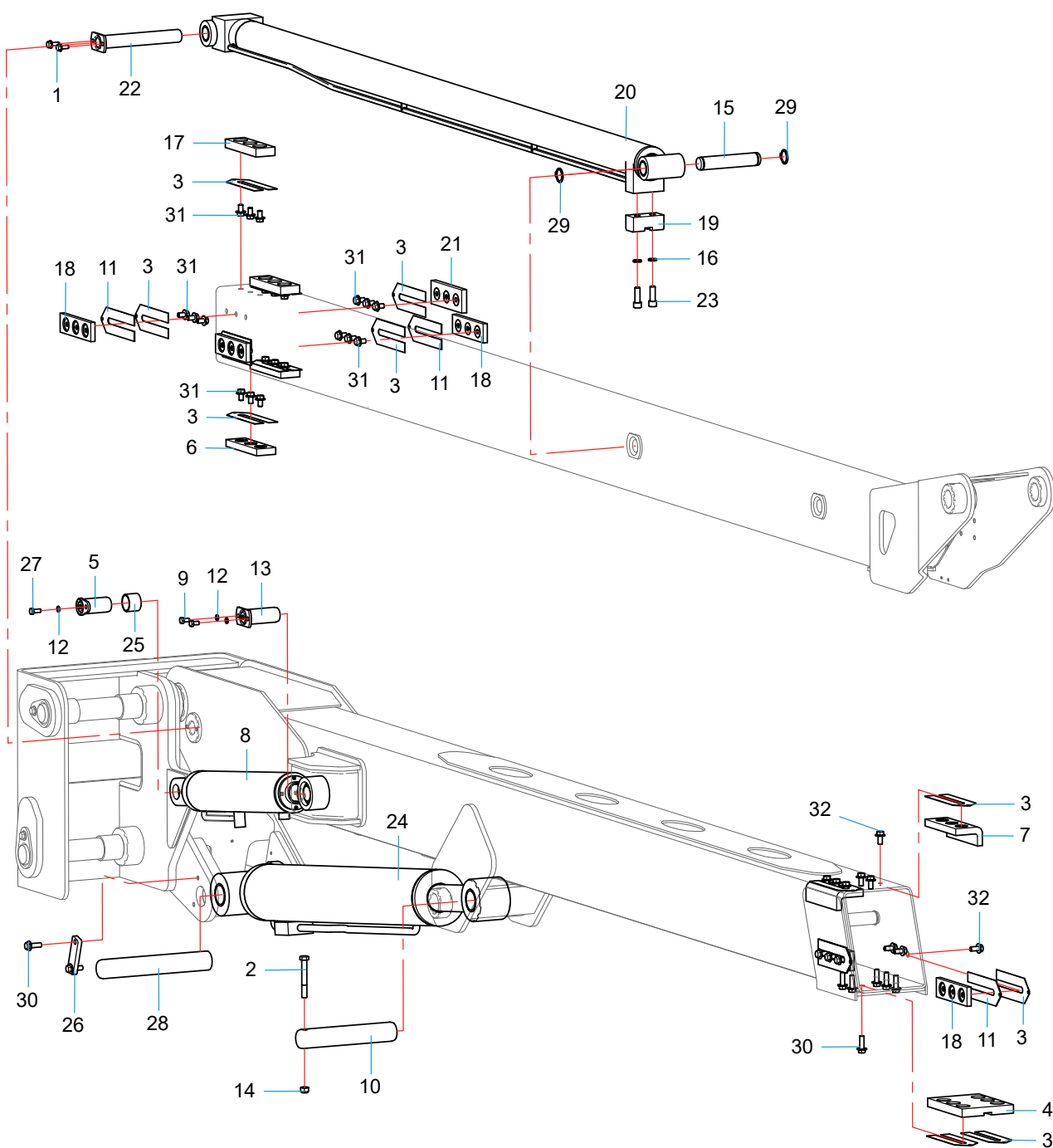
4.1 BOOM ASSEMBLY



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

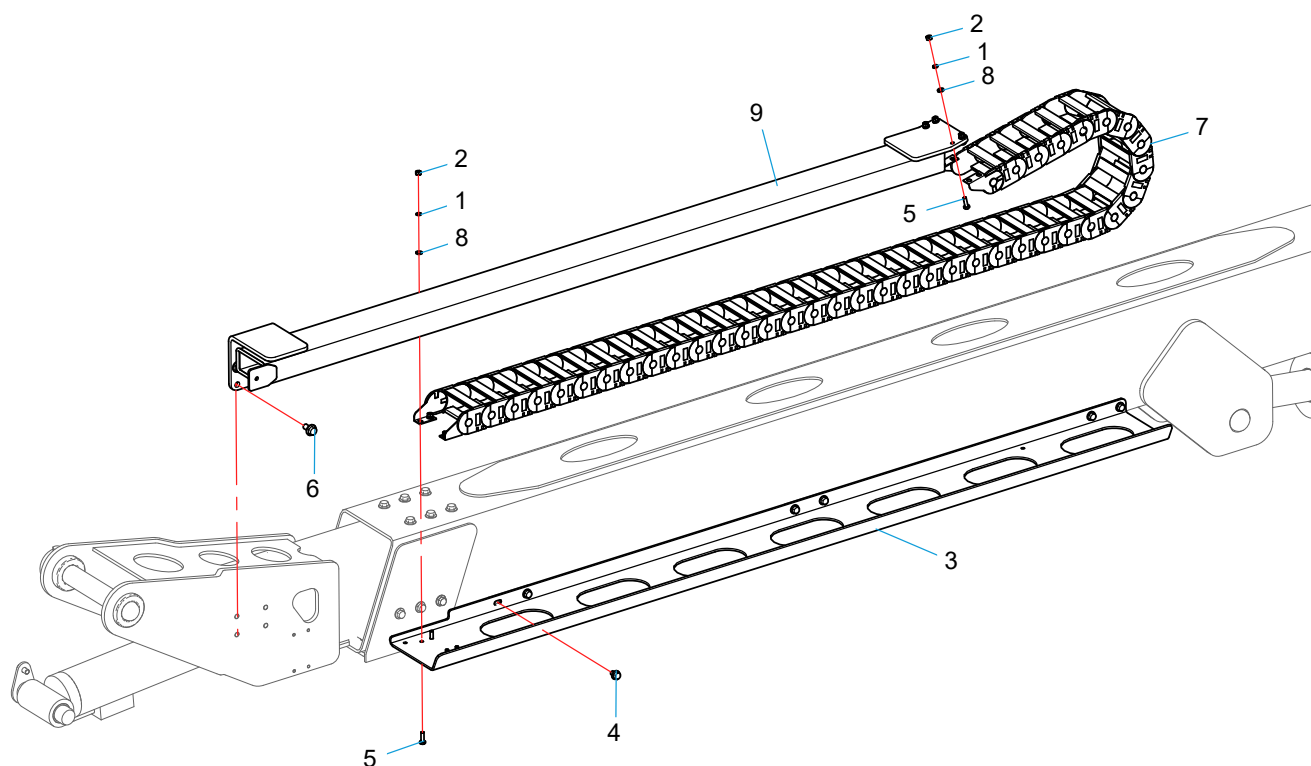
No.	Part No.	Qty.	Description
38	101012010044	1	Keeper pin
39	104021053049	1	Level cylinder upper(B)
39a	207990004014	1	Seal kit, cylinder
40	104015010005	1	Plate, cover
41	215020000050	2	Screw M10×30-8.8-ZnD GB/T 70.1
42	215010000056	4	Bolt M8×16-8.8-ZnD GB/T 5783
43	104020010031	1	Plate, folded
44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

4.2 TELESCOPIC BOOM INSTALLATION



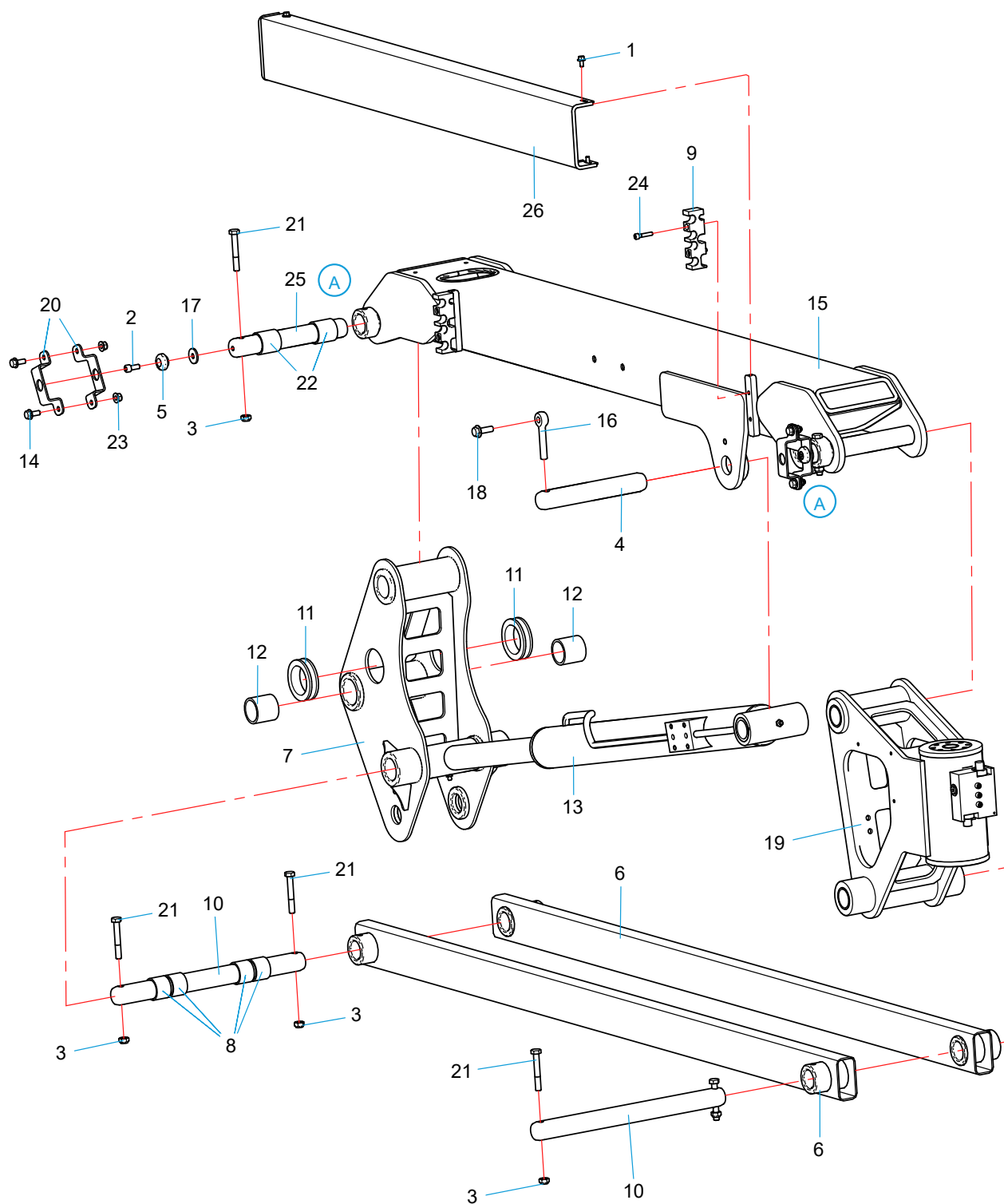
No.	Part No.	Qty.	Description
1	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
2	215010000016	1	Bolt M12×90-8.8-ZnD GB/T 5782
3	104009010103	14	shim
4	104030010050	1	Slider block assembly
5	104009010099	1	Shaft assemblyΦ35-70
6	104009010106	2	Slider block assembly
7	104020010019	2	Slider block assembly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

4.3 CABLE TRACK INSTALLATION



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

4.4 JIB BOOM ASSEMBLY

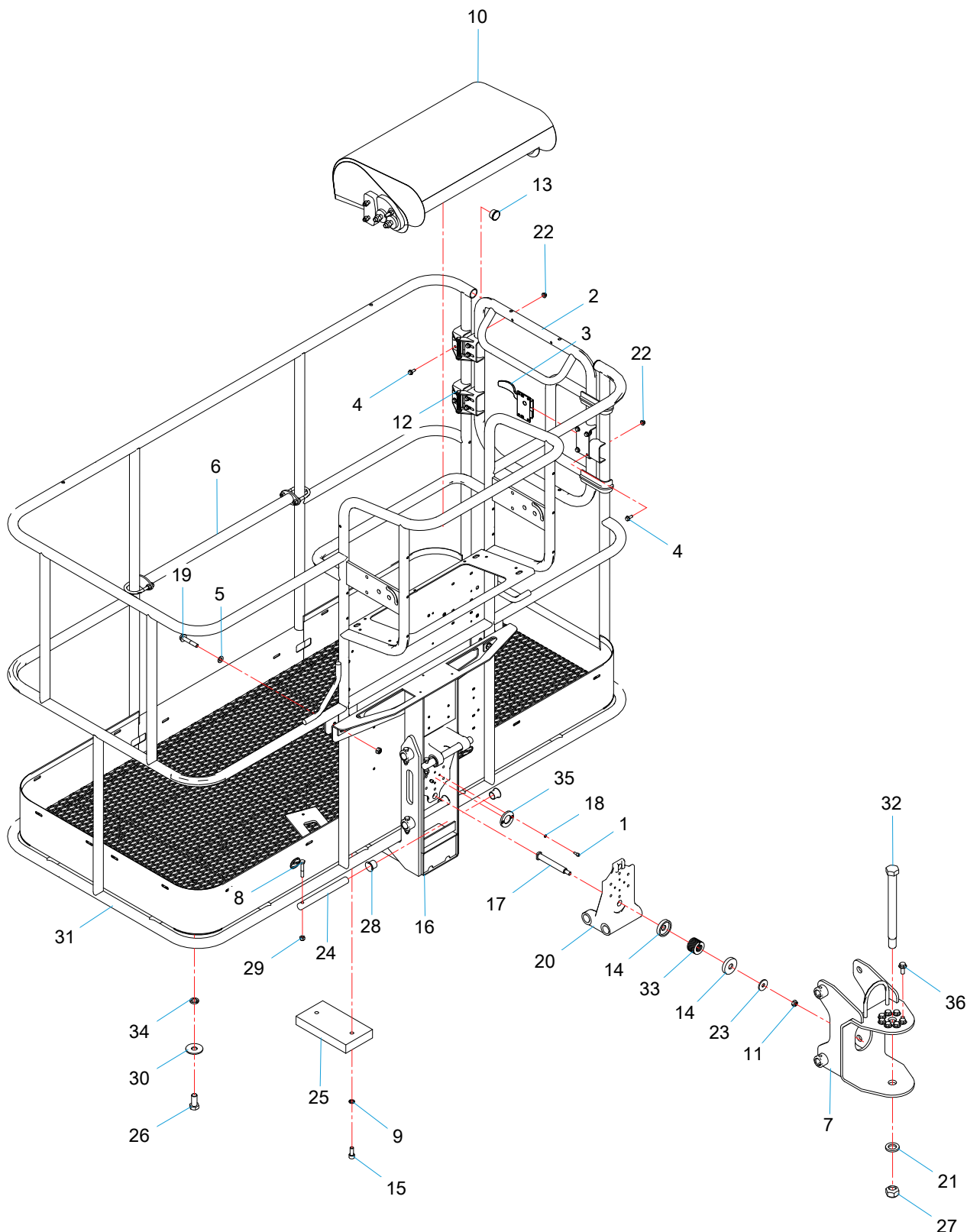


No.	Part No.	Qty.	Description
1	215010000281	4	Bolt M6×12-8.8-ZnD GB/T 5789
2	215020000023	2	Screw M8×20-8.8-ZnD GB/T 70.1
3	215030000027	6	Nut M10-8-ZnD GB/T 6184
4	104022010042	1	Shaft XGΦ35-225
5	112001013052	2	Block, nylon
6	114015013239	2	Level arm
7	104030010031	1	Pivot
8	214030000069	4	Bushing,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

This Page Intentionally Left Blank

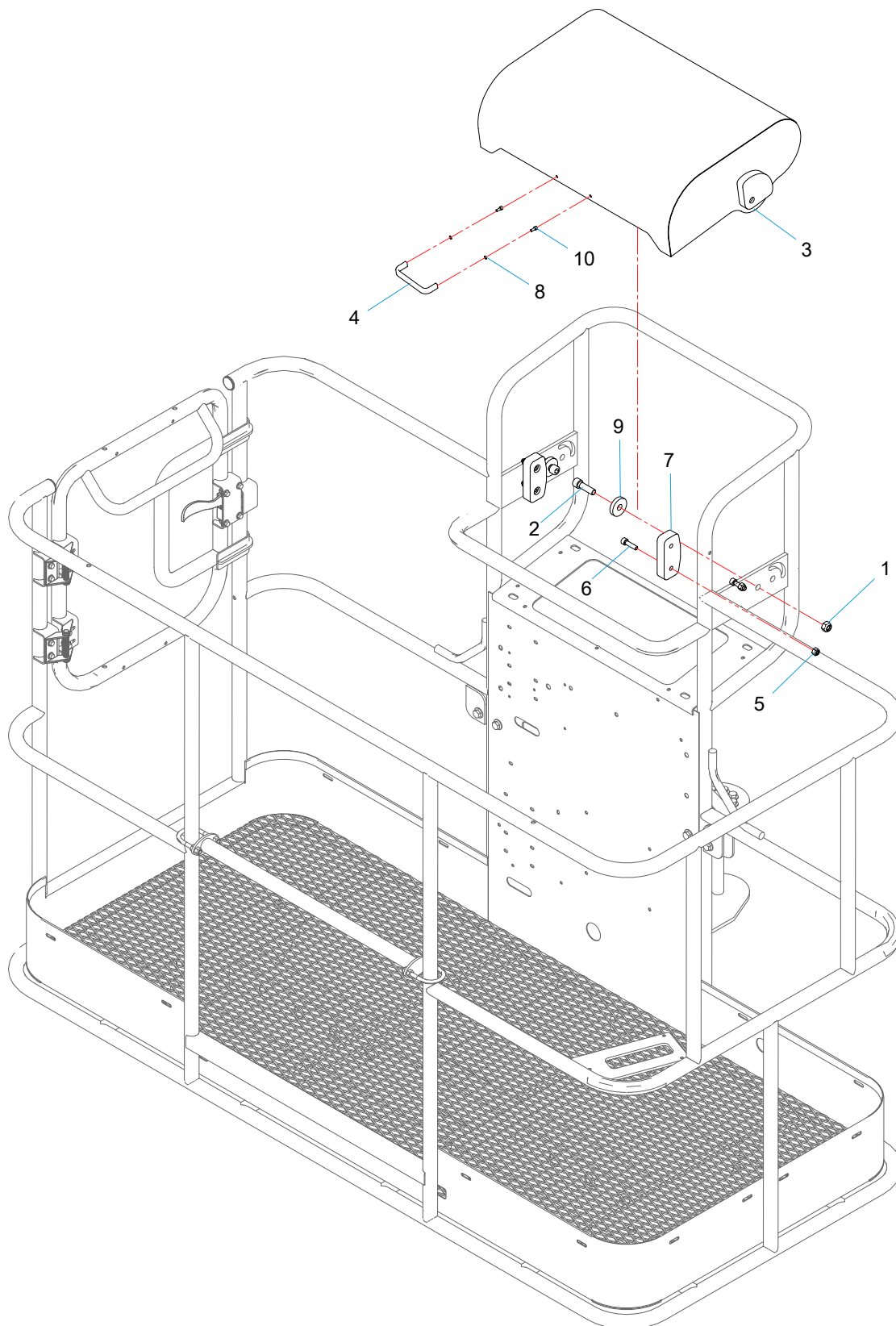
5 PLATFORM ASSEMBLY

5.1 1.83M (6FT) WORK PLATFORM - SWING OPEN DOOR (OPTIONAL PARTIAL ENCLOSURE)



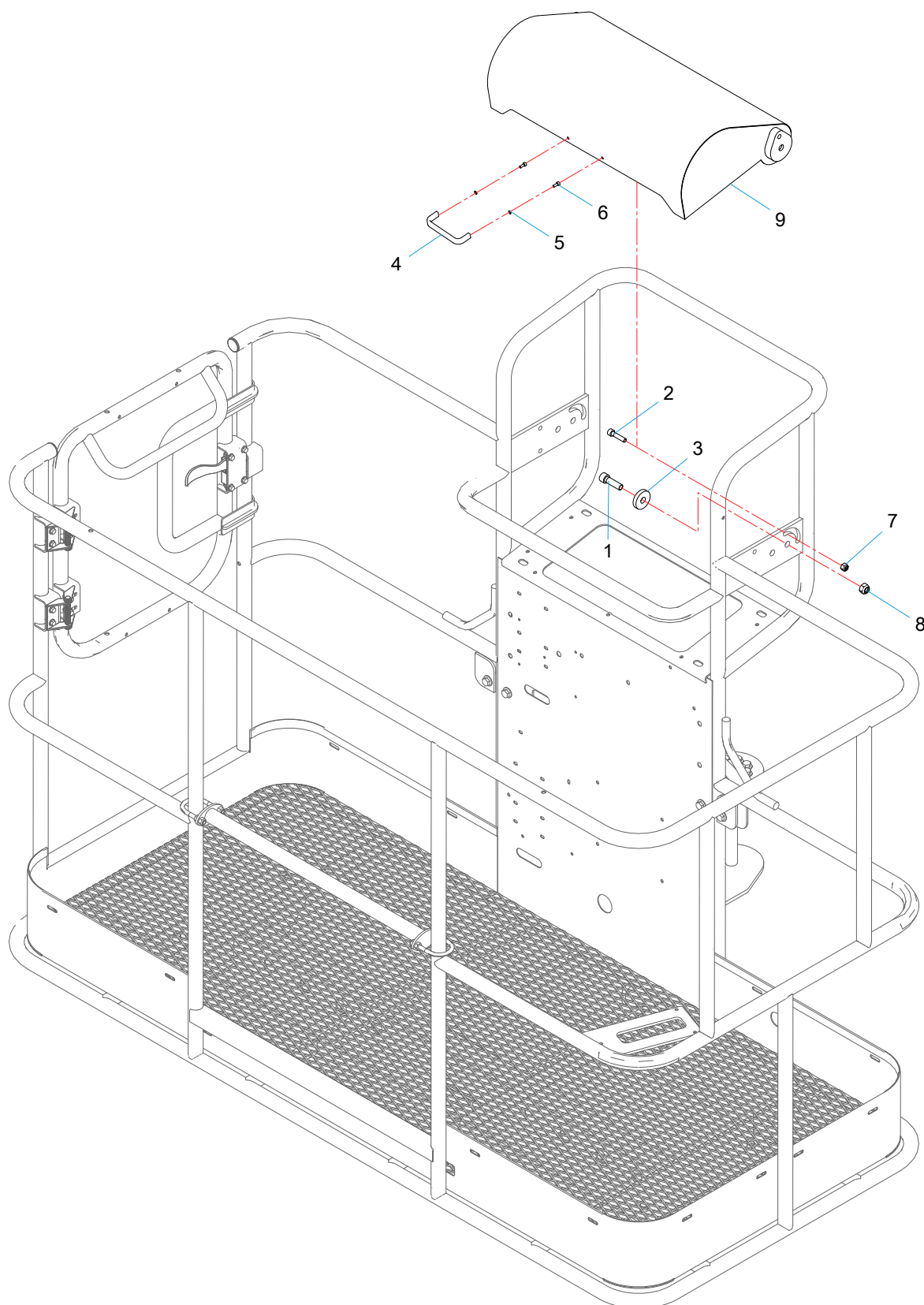
No.	Part No.	Qty.	Description
	103013040006	1	Platform
1	215020000006	2	Screw M5×12-A2-70 GB/T 70.1
2	105068043015	1	Gate, side
3	209050003006	1	Lock
4	215010000230	12	Bolt M6×16-8.8-ZnD GB/T 5789
5	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1
6	105064043183	1	Door Pole
7	105050043078	1	Support
8	215010000163	4	Bolt M8×50-8.8-ZnD GB/T 5782
9	215040000006	2	Washer 10-ZnD GB/T 93
10	103013040005		OPT, INST (protection cover)
10-1	103013040004	1	INST, protection cover(Comprehensive protection , See details)
10-2	103015040059	1	INST, protection cover(Partial protection , See details)
11	215030000027	5	Nut M10-8-ZnD GB/T 6184
12	209050003009	2	Hinge
13	105064043177	2	Tube cap
14	105029013045	2	Retaining ring
15	215020000049	2	Screw M10×25-8.8-ZnD GB/T 70.1
16	105050043099	1	Frame, support
17	105029013067	1	Special screw
18	215040000003	2	Washer 5-A2-70 GB/T 93
19	215010000258	4	Bolt M10×55-8.8-ZnD GB/T 5789
20	114023040001	2	Frame, weighing
21	215040000108	1	Washer 22-DKL GB/T 1230
22	215030000107	12	Nut M6-A2-70 GB/T 6183.1
23	215040000125	1	Washer 10-100HV-ZnD GB/T 5287
24	105001040034	4	Shaft
25	105001040006	1	Cushion block
26	215010000109	4	Bolt M16×35-8.8-ZnD GB/T 5783
27	215030000104	1	Nut M22-8-ZnD GB/T 899.1
28	214080000001	8	Bearing 20×23×21.5 SF-1F
29	215030000026	4	Nut M8-8-ZnD GB/T889.1
30	215040000020	4	Washer 16-200HV-ZnD GB/T 96.1
31	105068043026	1	Platform
32	103010013578	1	Pin,swing motor
33	210110000001	1	Compression spring
34	215040000008	4	Washer 16-ZnD GB/T 93
35	103006060038	1	Plate
36	215010000267	8	Bolt M10×25-10.9-DKL GB/T 5789

5.2 PROTECTIVE COVER INSTALLATION (PARTIAL ENCLOSURE)



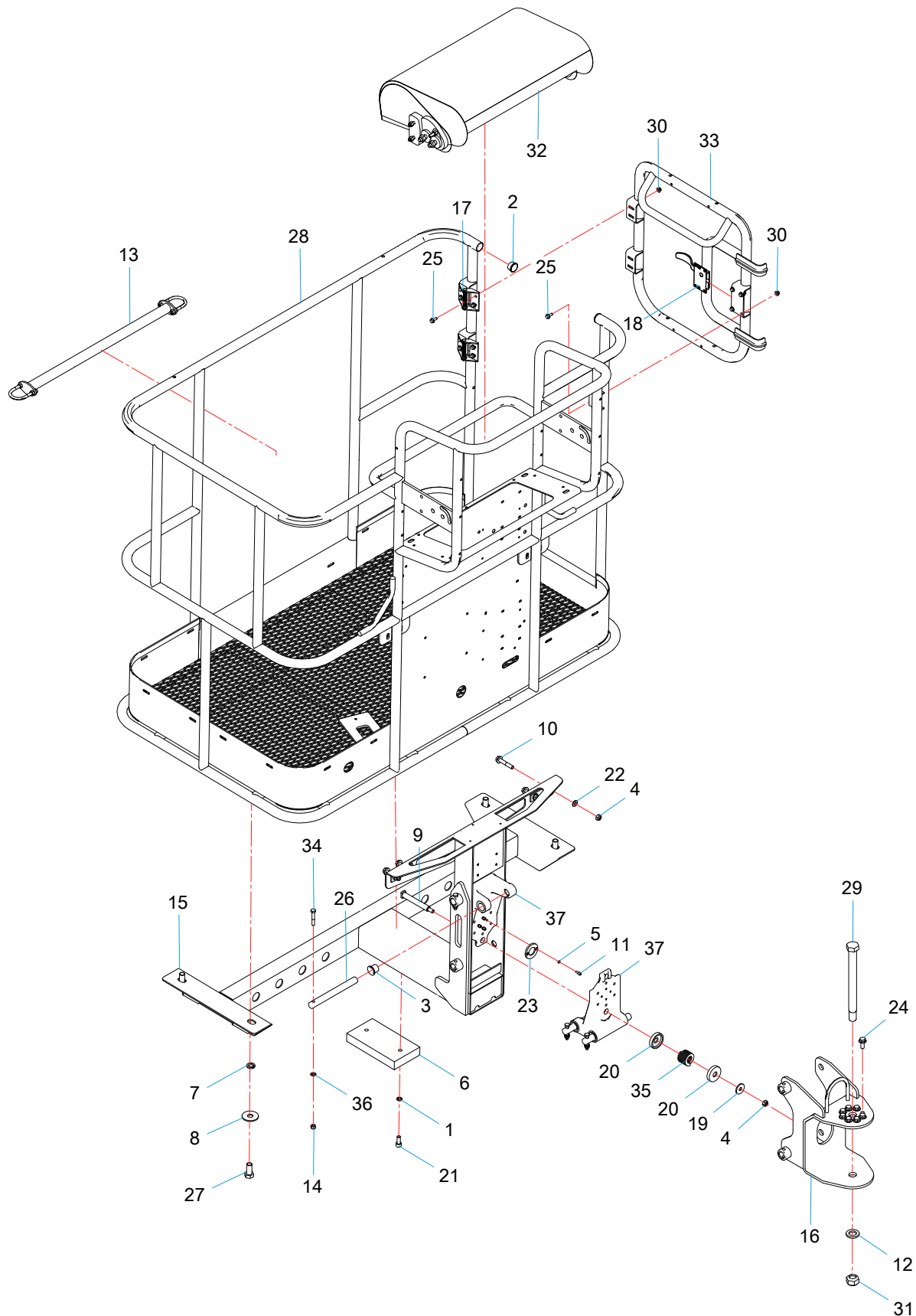
No.	Part No.	Qty.	Description
1	215030000029	2	Nut M12-8-ZnD GB/T 6184
2	215020000208	2	Screw M12×40-8.8-ZnD GB/T 70.1
3	105068043022	1	Dust cover
4	209030000001	1	Handle, C.C.96mm
5	215030000026	4	Nut M8-8-ZnD GB/T889.1
6	215020000025	4	Screw M8×30-8.8-ZnD GB/T 70.1
7	105068043027	2	Stop block
8	215040000002	2	Washer 4-A2-70 GB/T 93
9	105001040055	2	Plate
10	215020000001	2	Screw M4×10-A2-70 GB/T 70.1

5.3 PROTECTIVE COVER INSTALLATION (FULL ENCLOSURE)



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, C.C.96mm
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

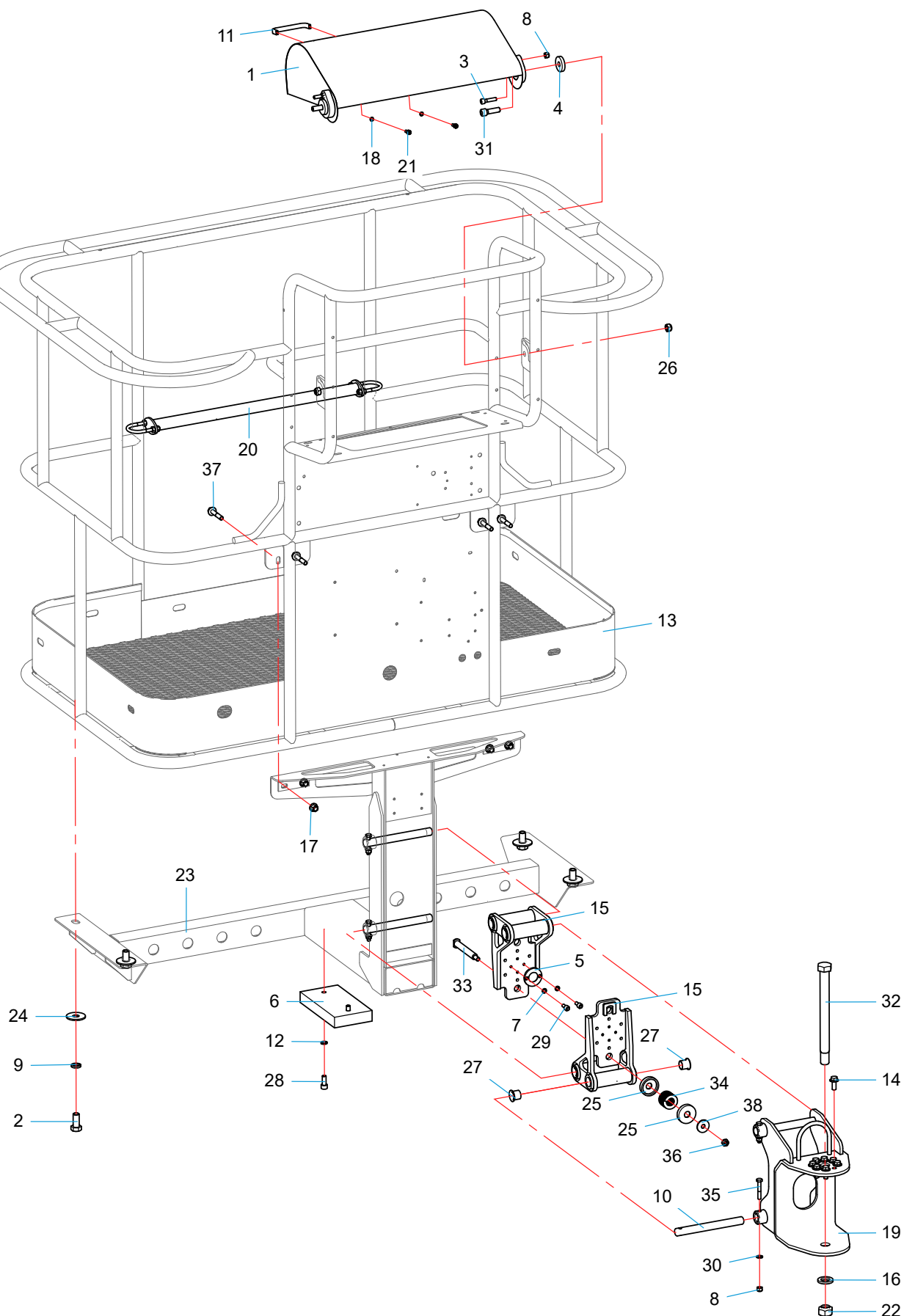
5.4 1.45M (4.76FT) WORK PLATFORM - SWING OPEN DOOR (OPTIONAL PARTIAL ENCLOSURE)



No.	Part No.	Qty.	Description
	103013040007	1	Platform
1	215040000006	2	Washer 10-ZnD GB/T 93
2	105064043177	2	Tube cap
3	214080000001	8	Bearing 20×23×21.5 SF-1F
4	215030000027	5	Nut M10-8-ZnD GB/T 6184
5	215040000003	4	Washer 5-A2-70 GB/T 93
6	105001040006	1	Cushion block
7	215040000008	4	Washer 16-ZnD GB/T 93
8	215040000020	4	Washer 16-200HV-ZnD GB/T 96.1
9	105029013067	1	Special screw
10	215010000258	4	Bolt M10×55-8.8-ZnD GB/T 5789
11	215020000006	4	Screw M5×12-A2-70 GB/T 70.1
12	215040000108	1	Washer 22-DKL GB/T 1230
13	105064043183	1	Door Pole
14	215030000026	4	Nut M8-8-ZnD GB/T889.1
15	105050043099	1	Frame, support
16	105050043078	1	Support
17	209050003009	2	Hinge
18	209050003006	1	Lock
19	215040000125	1	Washer 10-100HV-ZnD GB/T 5287
20	105029013045	2	Retaining ring
21	215020000049	2	Screw M10×25-8.8-ZnD GB/T 70.1
22	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1
23	103006060038	1	Plate
24	215010000267	8	Bolt M10×25-10.9-DKL GB/T 5789
25	215010000230	12	Bolt M6×16-8.8-ZnD GB/T 5789
26	105001040034	4	Shaft
27	215010000109	4	Bolt M16×35-8.8-ZnD GB/T 5783
28	103014040007	1	Platform
29	103010013578	1	Pin,swing motor
30	215030000107	12	Nut M6-A2-70 GB/T 6183.1
31	215030000104	1	Nut M22-8-ZnD GB/T 899.1
32	103013040005		OPT, INST (protection cover)
32-1	103013040004	1	INST, protection cover(Comprehensive protection , See details)
32-2	103015040059	1	INST, protection cover(Partial protection , See details)
33	105068043015	1	Gate, side
34	215010000163	4	Bolt M8×50-8.8-ZnD GB/T 5782
35	210110000001	1	Compression spring

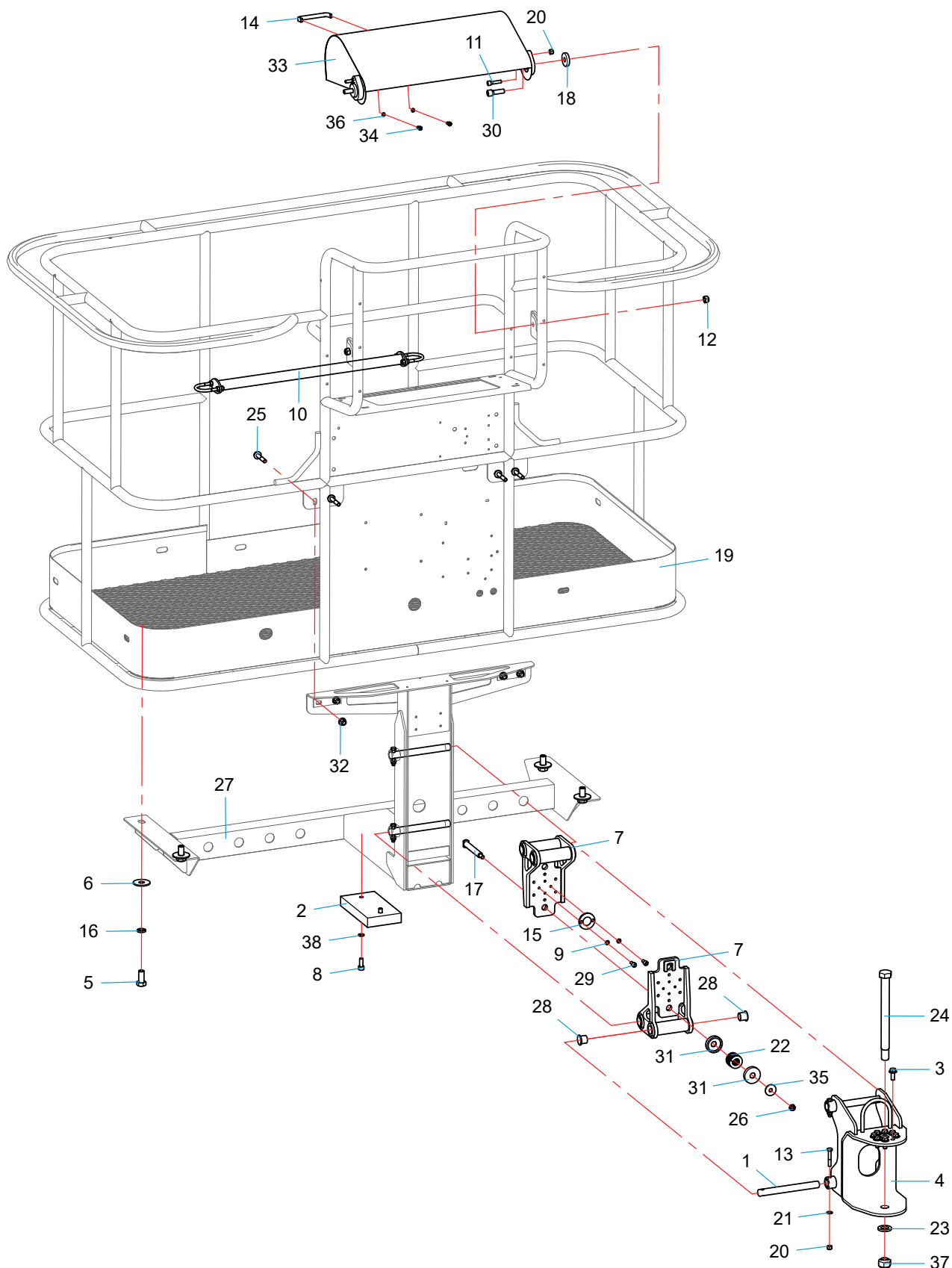
No.	Part No.	Qty.	Description
36	215040000034	4	Washer 8-200HV-ZnD GB/T 97.1
37	114023040001	2	Frame, weighing

5.5 1.45M (4.76FT) PLATFORM ASSEMBLY



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

5.6 1.83M (6FT) PLATFORM ASSEMBLY

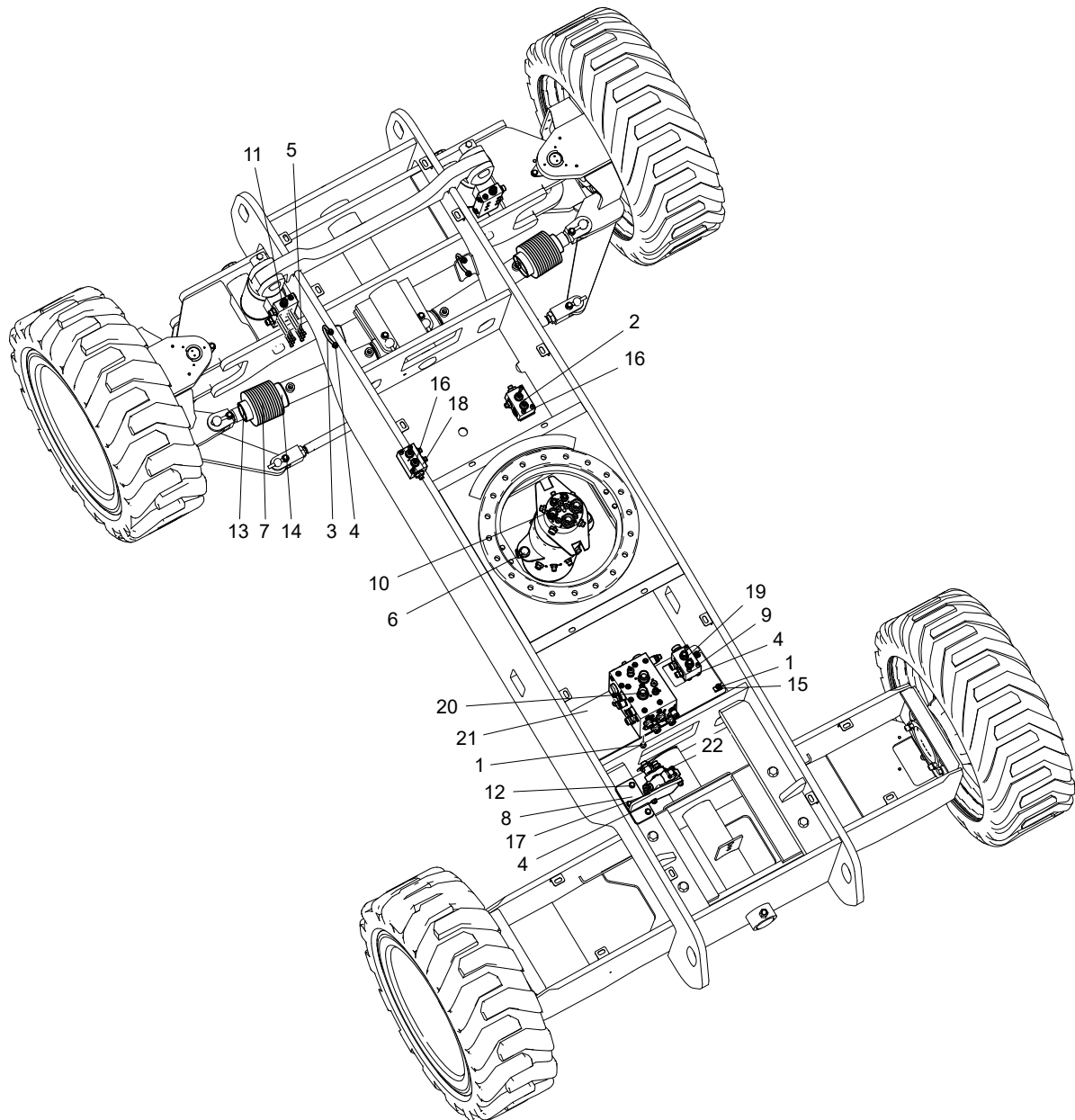


No.	Part No.	Qty.	Description
1	105001040034	4	Shaft
2	105001040006	1	Cushion block
3	215010000267	8	Bolt M10×25-10.9-DKL GB/T 5789
4	105050043078	1	Support
5	215010000109	4	Bolt M16×35-8.8-ZnD GB/T 5783
6	215040000020	4	Washer 16-200HV-ZnD GB/T 96.1
7	105029013046	2	Weighing Rack
8	215020000049	2	Screw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

6 HYDRAULIC SYSTEM

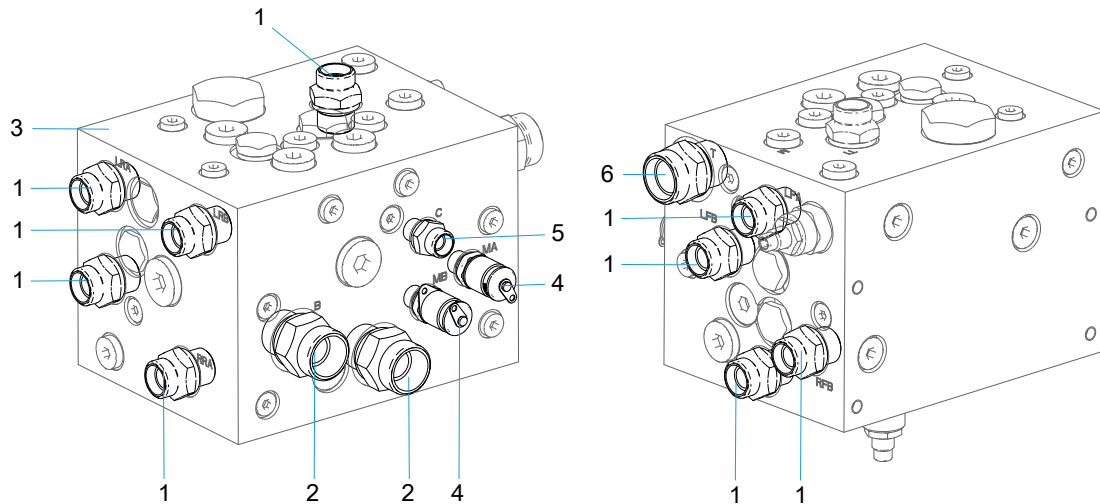
6.1 CHASSIS HYDRAULIC SYSTEM (CONTINUOUS ROTATION CONFIG)

6.1.1 CHASSIS HYDRAULIC COMPONENTS INSTALLATION



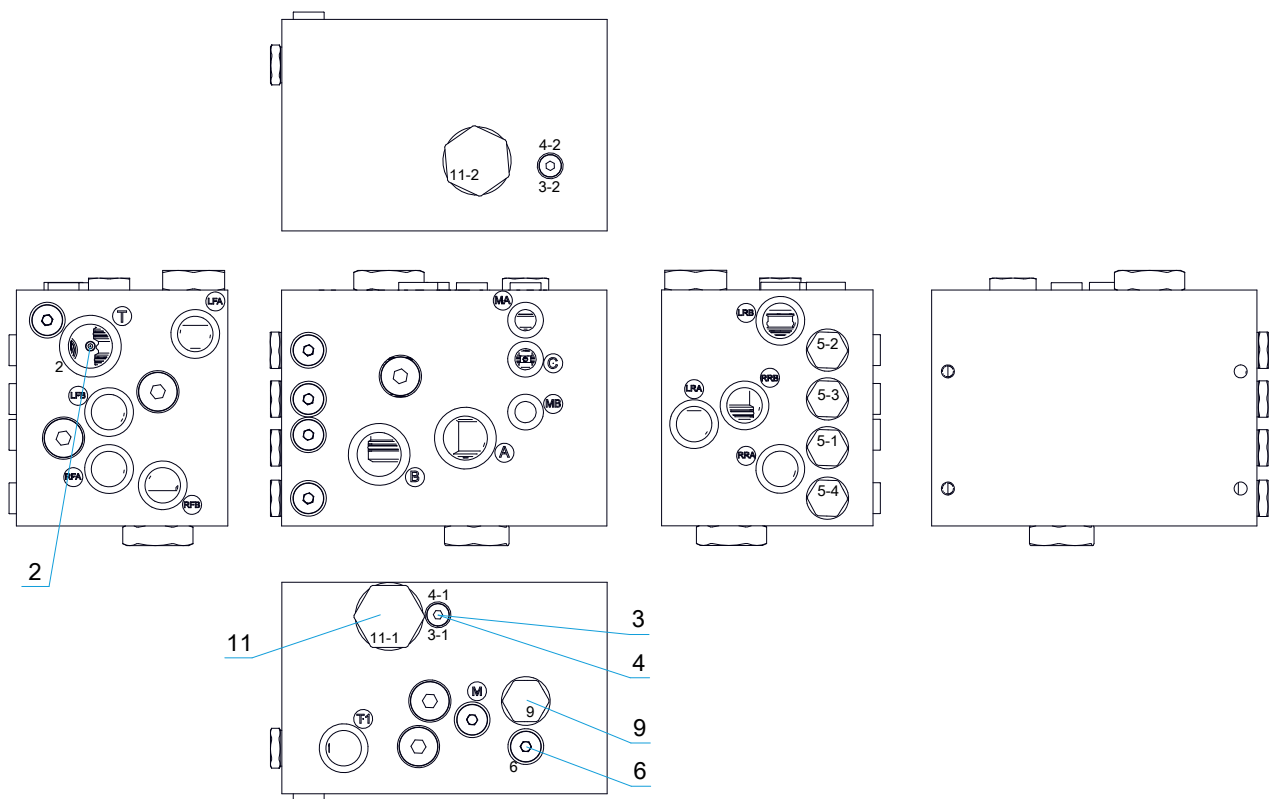
No.	Part No.	Qty.	Description
1	215010000234	8	Bolt M8×20-8.8-ZnD GB/T 5789
2	105051053366	1	N-port brake manifold & fittings installation
3	104016020023	2	U-clamp
4	215030000108	9	Nut M8-8-ZnD GB/T 6183.1
5	215020000015	12	Screw M6×35-A2-70 GB/T 70.1
6	215010000276	2	Bolt M16×40-8.8-ZnD GB/T 5789
7	105047050001	2	Bellow, steer cylinder
8	103011033144	1	Bracket, mounting (multi-way valve, osci
9	215020000041	3	Screw M8×70-8.8-ZnD GB/T 70.1
10	105084053065	1	Hydraulic rotary coupler & fittings installation
11	105084053080	1	Installation of floating balance valve connector
12	215010000235	3	Bolt M8×25-8.8-ZnD GB/T 5789
13	216020000002	2	Clamp, hose
14	216020000009	2	Hose clamp
15	215030000106	4	B type spring nuts
16	215020000038	6	Screw M8×60-8.8-ZnD GB/T 70.1
17	215010000066	2	Bolt M8×65-8.8-ZnD GB/T 5783
18	105084053079	1	X-port 2-speed manifold & fittings installation
19	105051053381	1	L-port drain manifold & fittings installation
20	105074053017	1	Drive control valve(4WD) & Fittings Installation
21	105084033057	1	Plate
22	114015053096	1	OPT, INST, fittings (oscillate multi-way valve)

6.1.2 DRIVE CONTROL VALVE AND FITTINGS INSTALLATION



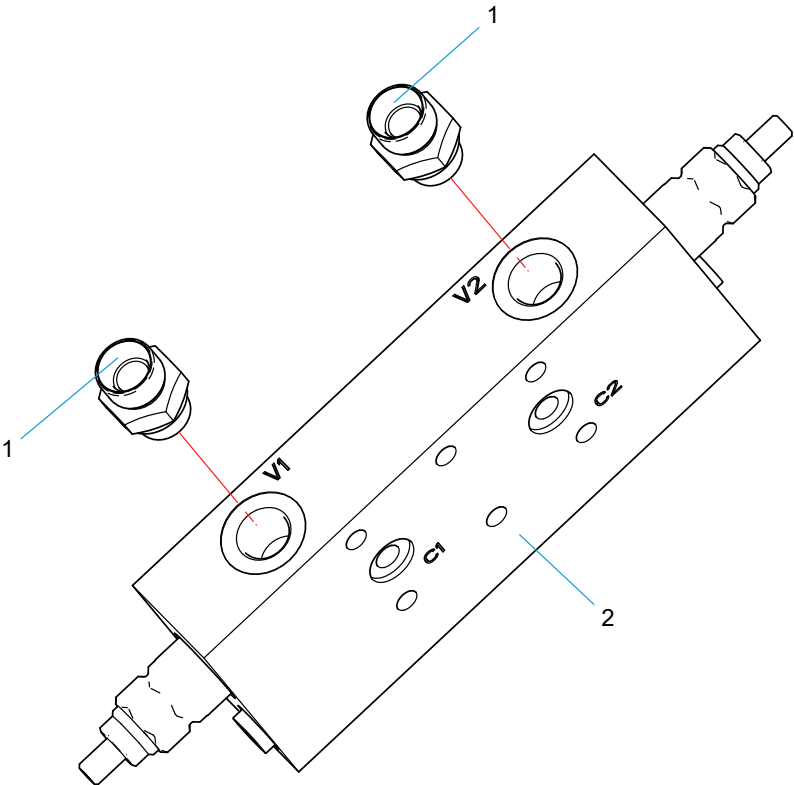
No.	Part No.	Qty.	Description
1	213010000039	9	Coupler
2	213010000018	2	Coupler
3	202040003985	1	Valve, control (travel)
4	213010000010	2	Coupler
5	213010000012	1	Coupler
6	213010000045	1	Coupler

6.1.3 DRIVE CONTROL VALVE (PN.202040003985)



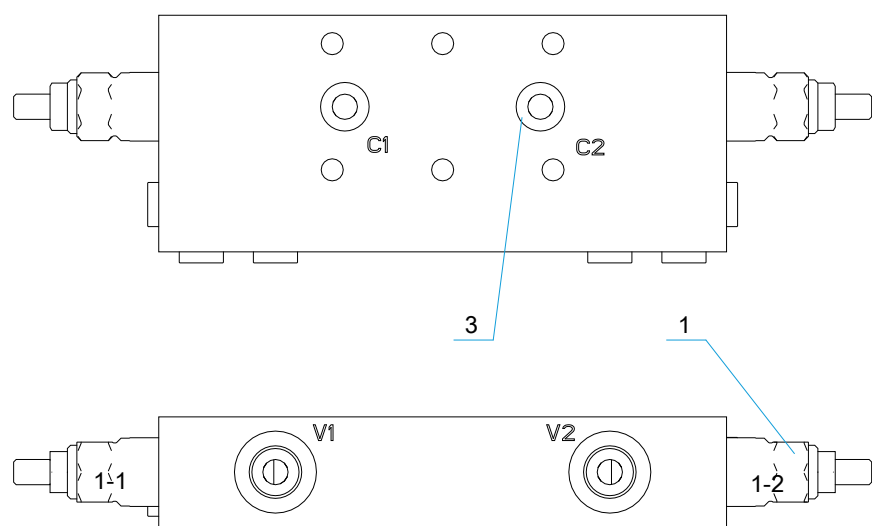
No.	Part No.	Qty.	Description
2	202130003015	1	Damper
3	202130003010	2	Damper
4	202130000008	2	Damper plug
5	202990003071	4	Check valve
6	202990003154	1	Shuttle valve
9	202990003108	1	Flushing valve
11	202990003211	2	Dividing-combining valve

6.1.4 OSCILLATE COUNTERBALANCE VALVE AND FITTINGS
INSTALLATION OPTIONS



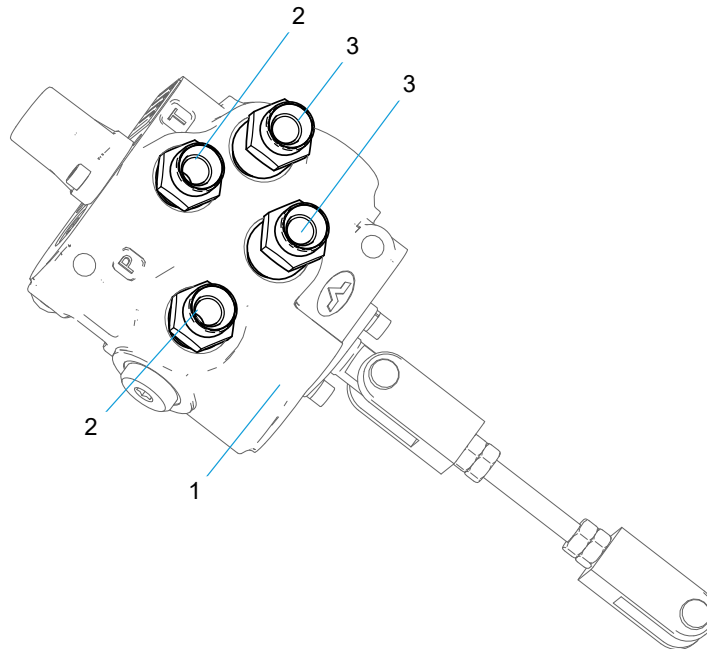
No.	Part No.	Qty.	Description
1	213010000005	2	Coupler
2	202040003786	1	Oscillate counterbalance manifold(See details)

6.1.5 OSCILLATE COUNTERBALANCE VALVE (PN.202040003786)



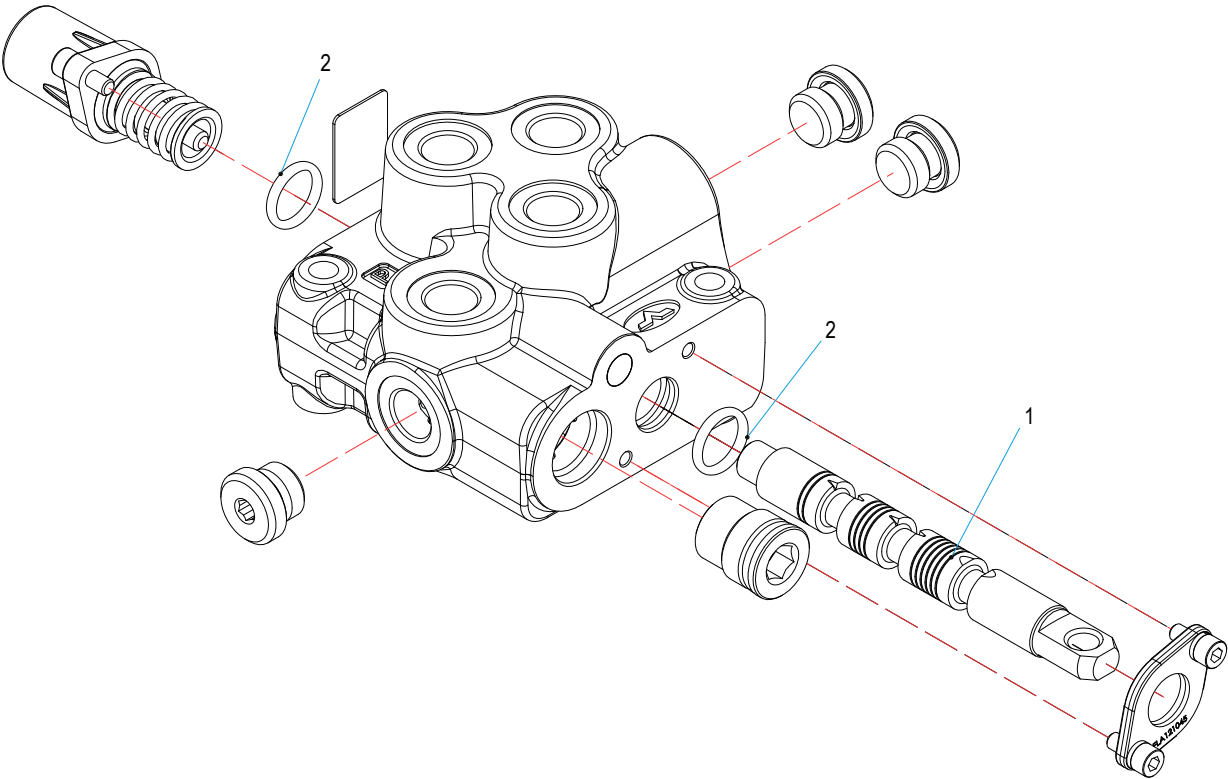
No.	Part No.	Qty.	Description
1	202040003216	2	Spool
3	207040003049	2	O-ring

6.1.6 OSCILLATE MULTI-WAY VALVE AND FITTINGS INSTALLATION OPTIONS



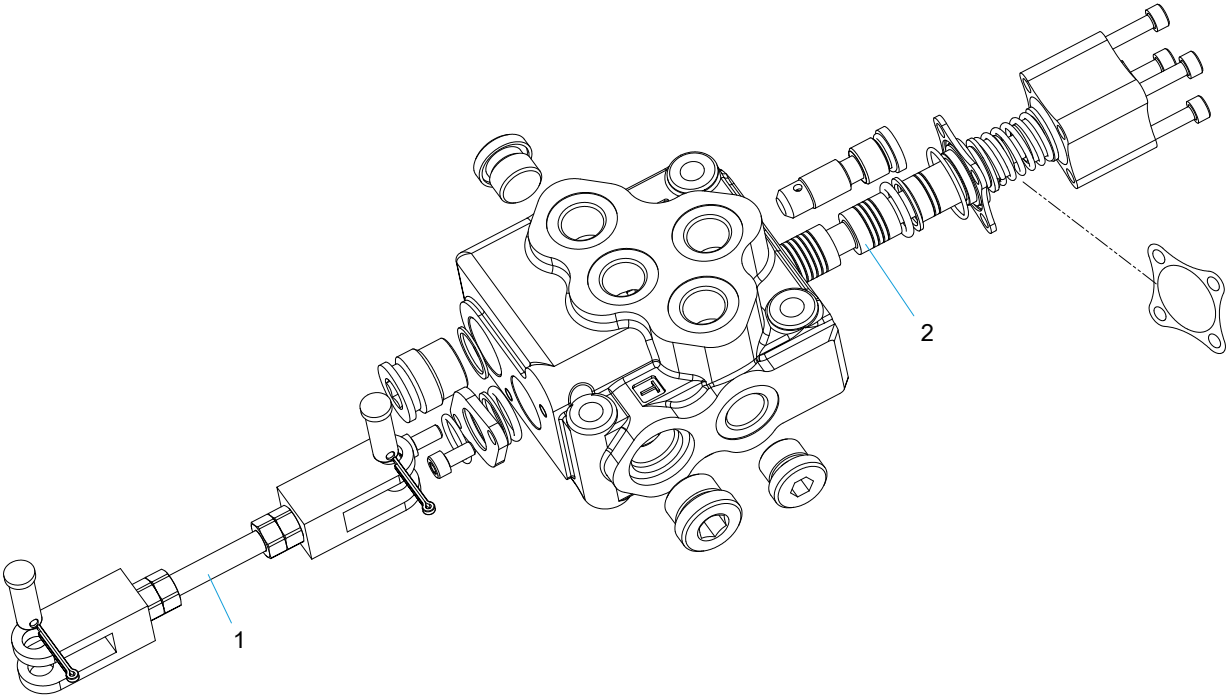
No.	Part No.	Qty.	Description
1-1	202040003026	1	Oscillate multi-way valve(SC: 1000191)
1-2	202040003485	1	Oscillate control manifold(SC: 1000179)
2	213010000005	2	Coupler
3	213010003251	2	Coupler

6.1.7 OSCILLATE MULTI-WAY VALVE (PN.202040003026)



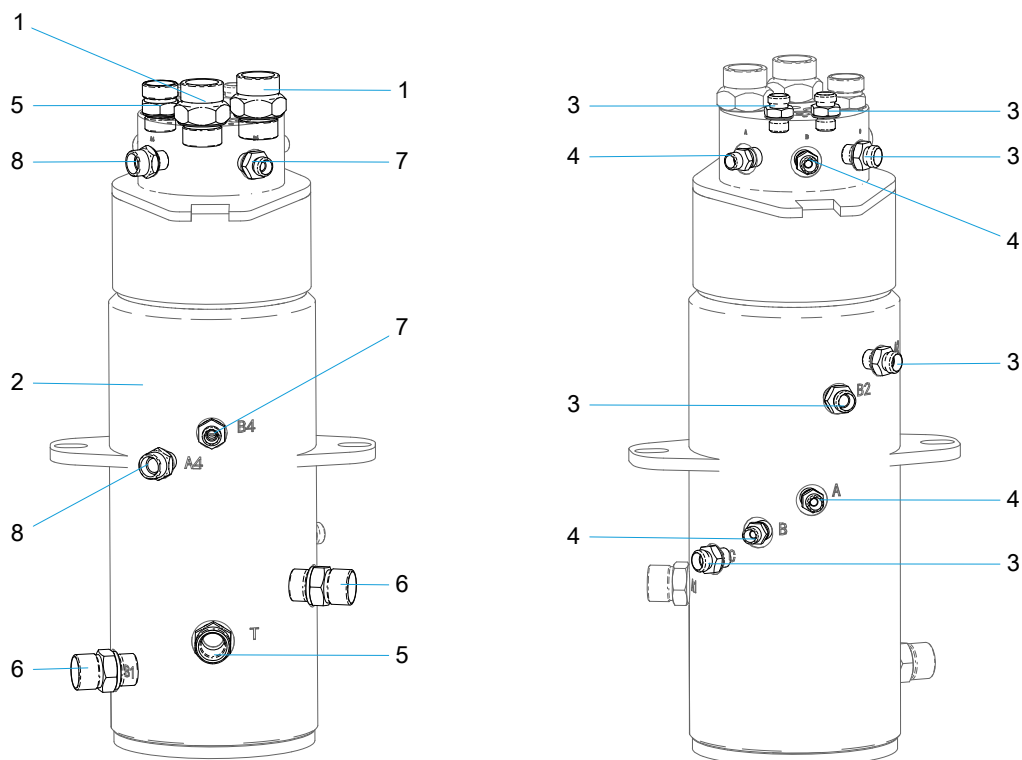
No.	Part No.	Qty.	Description
1	202990003065	1	Multi-way valve spool, oscillate
2	207060003007	2	O-ring

6.1.8 VALVE, MULTI-WAY (OSCILLATE)(PN.202040003485)



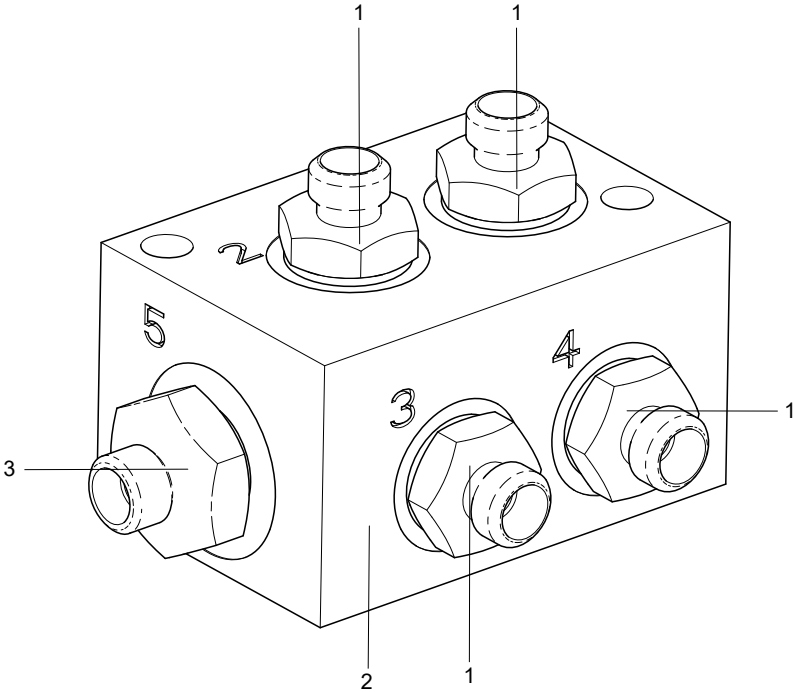
No.	Part No.	Qty.	Description
1	202990003905	1	Rod, tie
2	202990003904	1	Rod, vavle

6.1.9 ROTARY COUPLER AND FITTINGS INSTALLATION OPTIONS



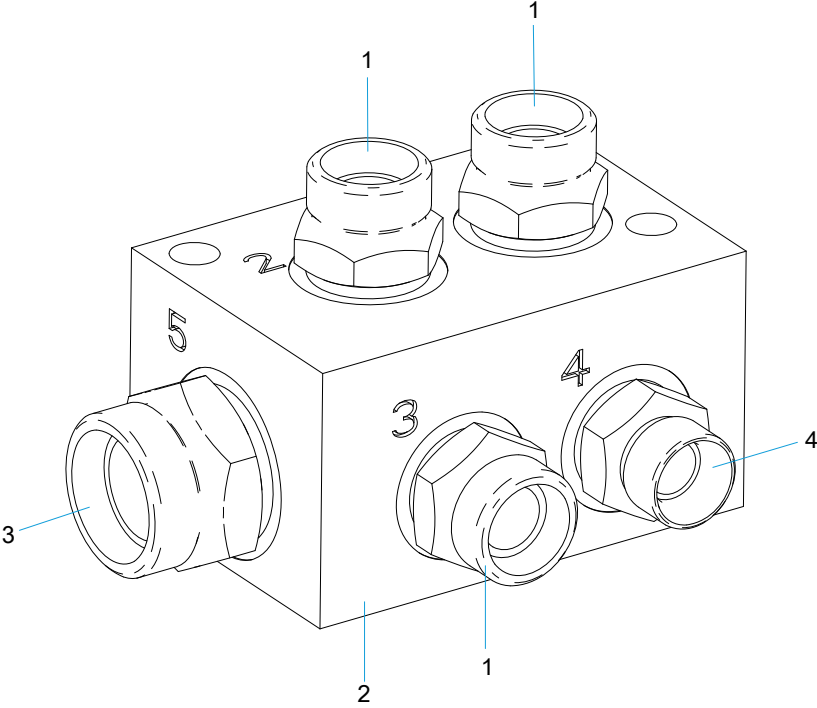
No.	Part No.	Qty.	Description
1	213010000030	2	Coupler
2	202100003026	1	Hydraulic rotary coupler(A)
2a	207990003452	1	Seal kit, Hydraulic rotary coupler
3	213010000031	6	Coupler
4	213010000202	4	Coupler
5	213010000037	2	Coupler
6	213010000052	2	Coupler
7	213010000049	2	Coupler
8	213010000065	2	Coupler

6.1.10 2-SPEED MULTI-COUPLING AND FITTINGS INSTALLATION



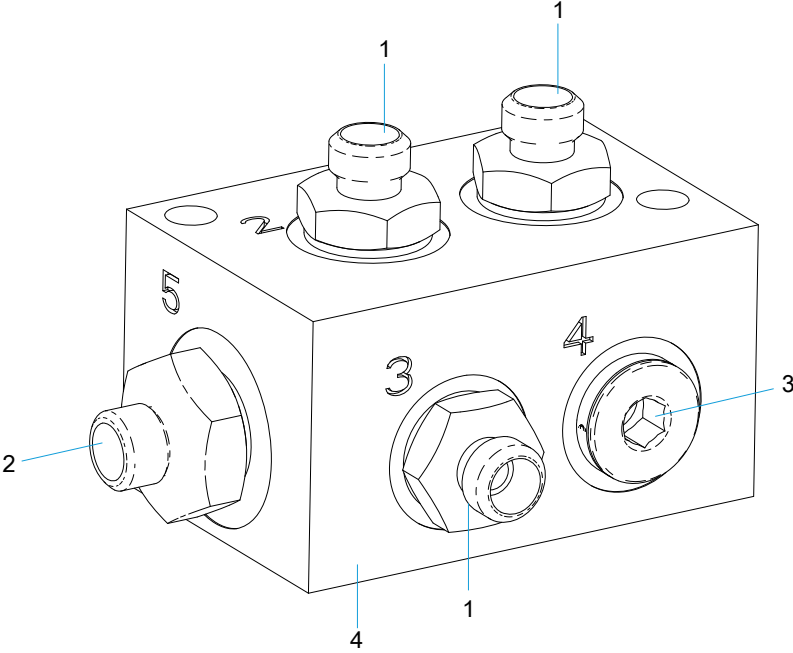
No.	Part No.	Qty.	Description
1	213010000047	4	Fitting
2	105001050037	1	Manifold
3	213010000138	1	Coupler

6.1.11 DRAIN MULTI-COUPLING AND FITTINGS INSTALLATION



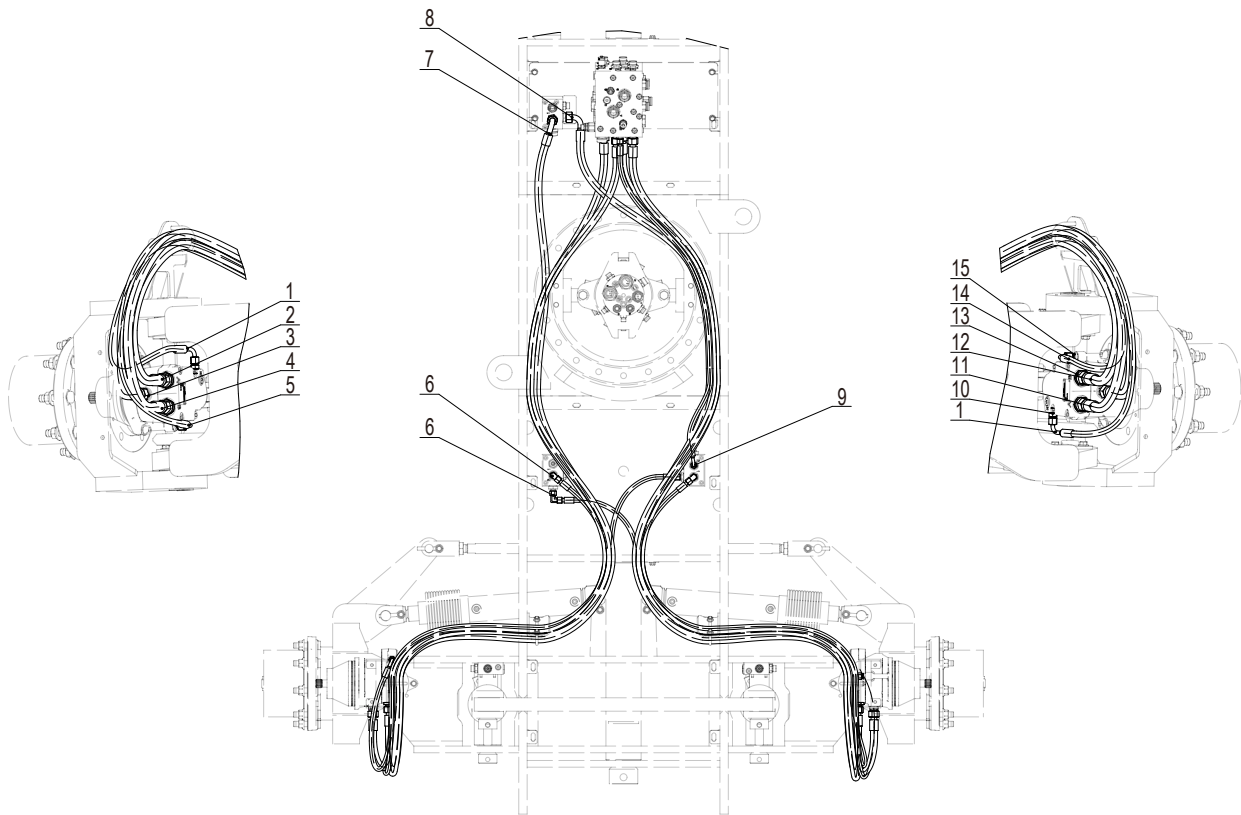
No.	Part No.	Qty.	Description
1	213010000003	3	Coupler
2	105001050037	1	Manifold
3	213010000017	1	Coupler
4	213010000005	1	Coupler

6.1.12 BRAKE MULTI-COUPLING AND FITTINGS INSTALLATION



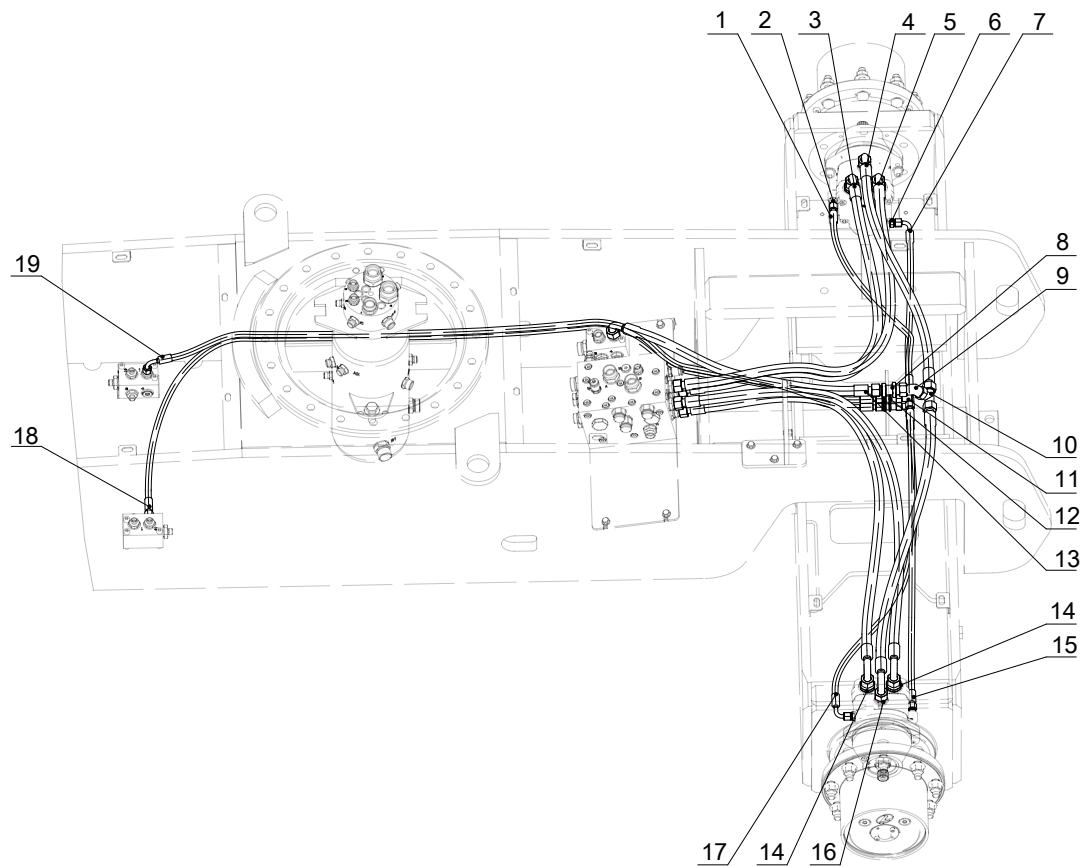
No.	Part No.	Qty.	Description
1	213010000047	3	Fitting
2	213010000138	1	Coupler
3	213060000001	1	Plug
4	105001050037	1	Manifold

6.1.13 PIPE LAYOUT DRAWING OF FRONT AXLE



No.	Part No.	Qty.	Description
1	213050000649	2	Hose
2	213050013578	1	Hose
3	213010000089	2	Coupler
4	213050013577	1	Hose
5	213050001487	1	Hose
6	213010000024	3	Coupler
7	213050003564	1	Hose
8	213050000273	1	Hose
9	213050003071	1	Hose
10	213010000144	2	Coupler
11	213050000598	1	Hose
12	213050013576	1	Hose
13	213010000152	4	Fitting
14	213050013579	1	Hose
15	213010000013	2	Coupler

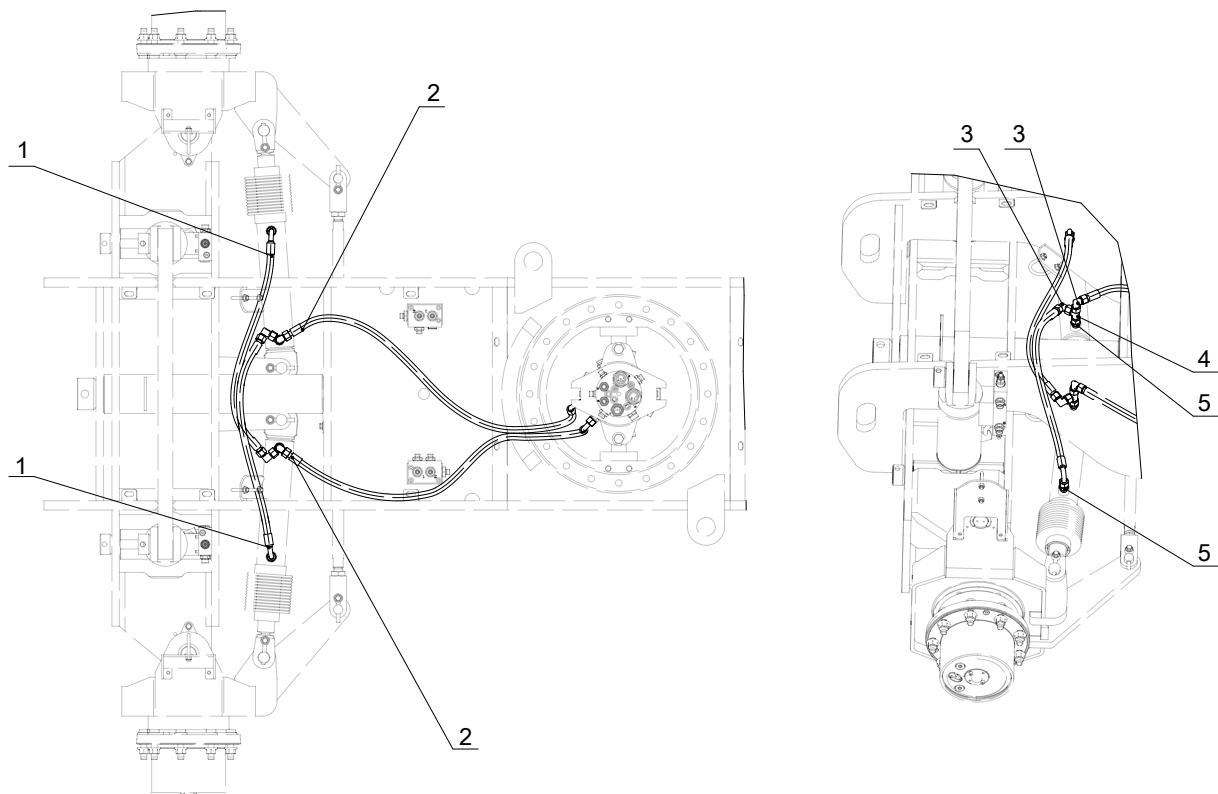
6.1.14 PIPE LAYOUT DRAWING OF REAR AXLE



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

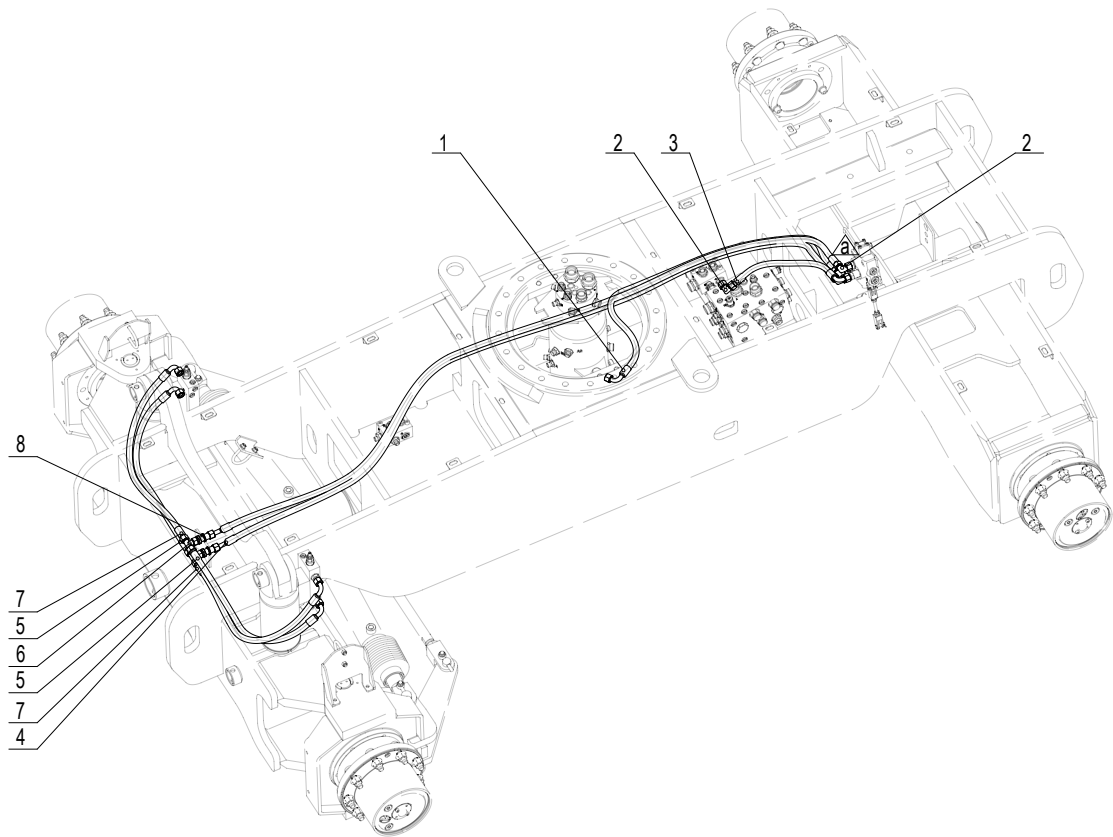
No.	Part No.	Qty.	Description
18	213050001456	1	Hose
19	213050005520	1	Hose

6.1.15 PIPE LAYOUT DRAWING OF STEERING



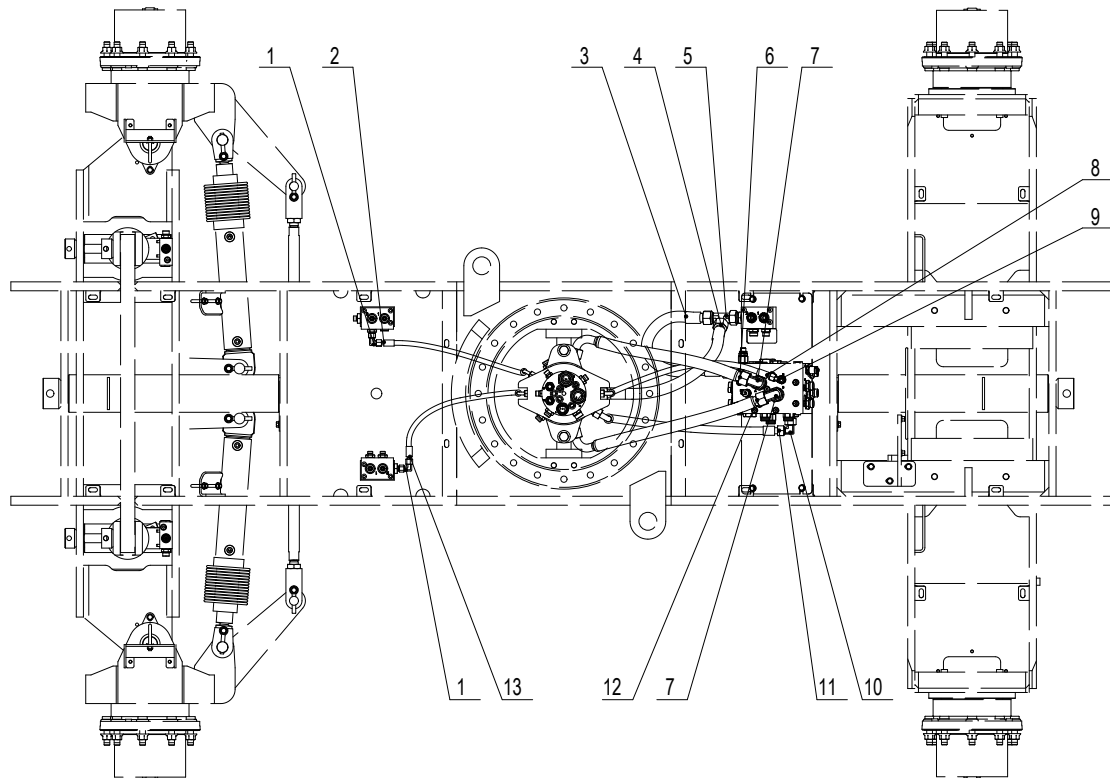
No.	Part No.	Qty.	Description
1	213050000044	2	Hose
2	213050000379	2	Hose
3	213010000055	4	Coupler
4	213010000032	2	Coupler
5	213010000031	4	Coupler

6.1.16 OSCILLATING PIPE LAYOUT DRAWING



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

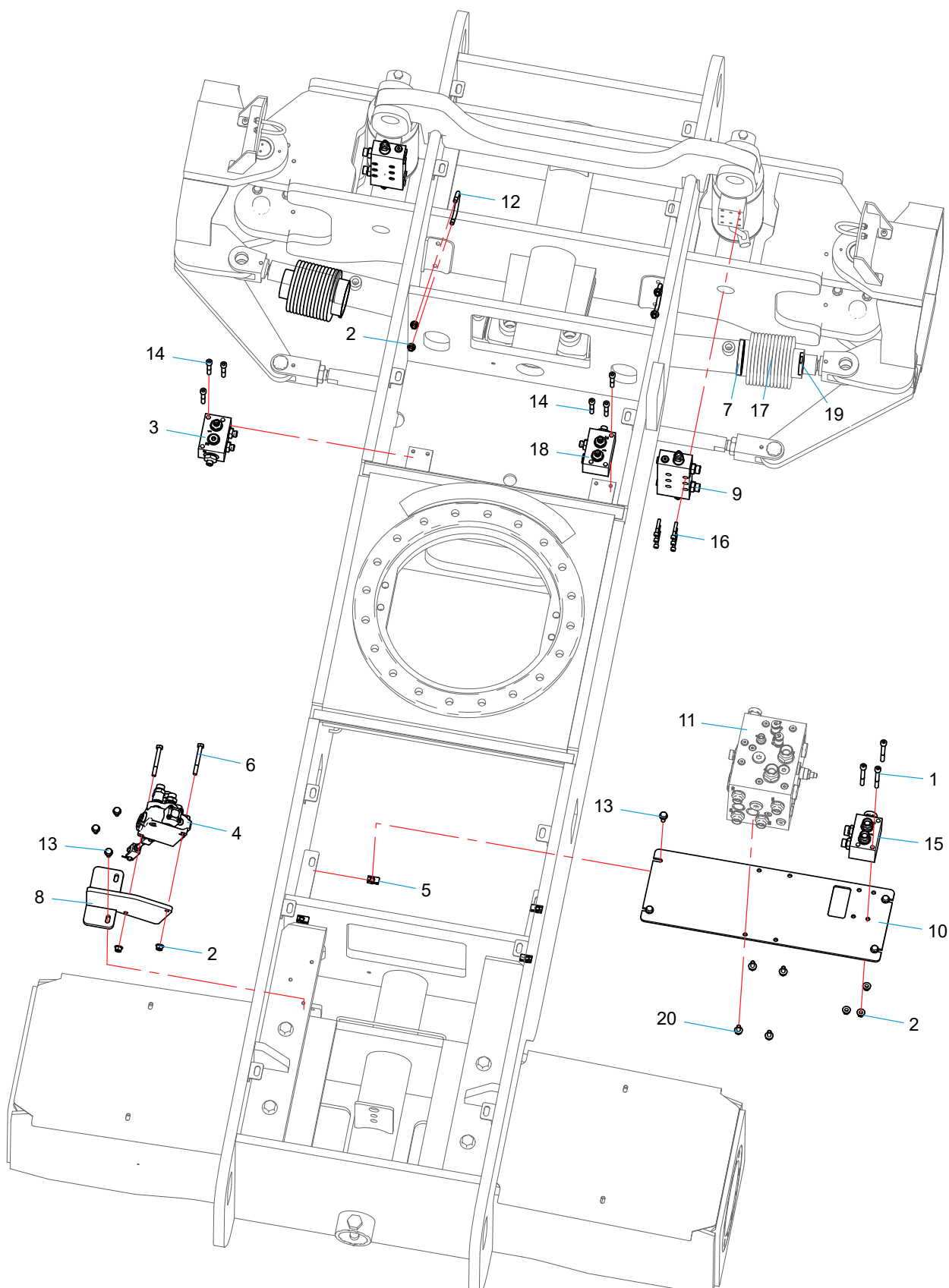
6.1.17 ROTARY COUPLER PIPE LAYOUT DRAWING



No.	Part No.	Qty.	Description
1	213010000024	2	Coupler
2	213050000453	1	Hose
3	213050001494	1	Hose
4	213050013564	1	Hose
5	213010000043	1	Coupler
6	213050010476	1	hose
7	213010000056	2	Coupler
8	213050003300	1	Hose
9	213010000009	1	Coupler
10	213010000008	1	Coupler
11	213050000617	1	Hose
12	213050013563	1	Hose
13	213050003255	1	Hose

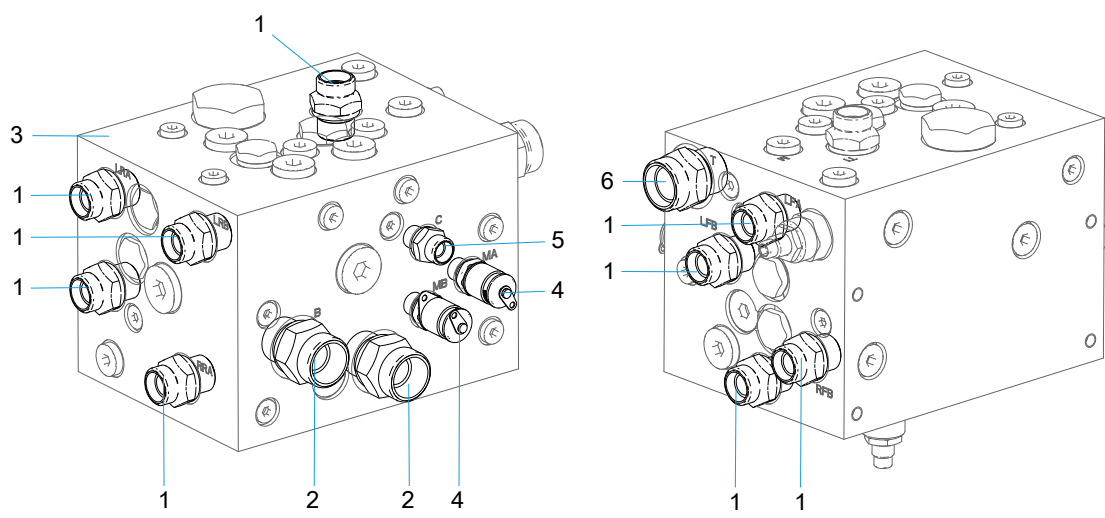
6.2 CHASSIS HYDRAULIC SYSTEM (NON-CONTINUOUS ROTATION CONFIG)

6.2.1 CHASSIS HYDRAULIC COMPONENTS INSTALLATION



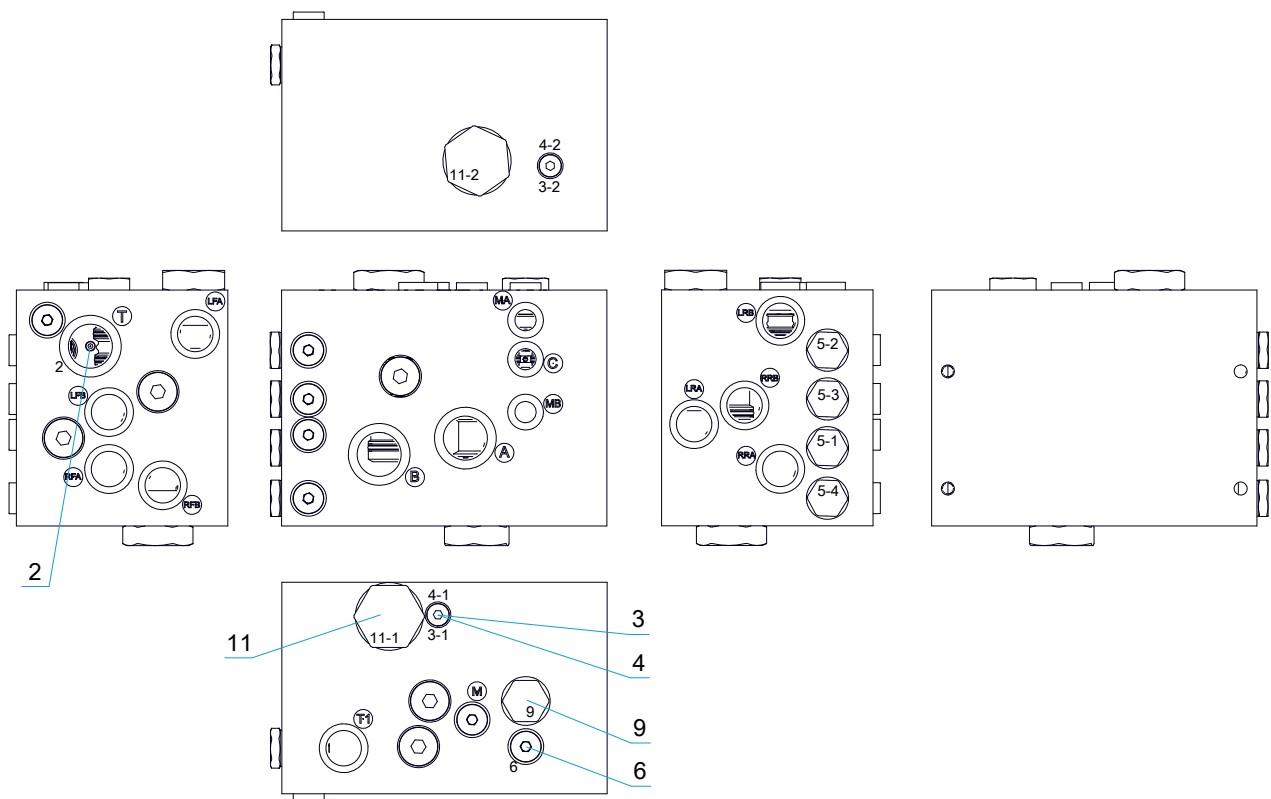
No.	Part No.	Qty.	Description
1	215020000041	3	Screw M8×70-8.8-ZnD GB/T 70.1
2	215030000108	9	Nut M8-8-ZnD GB/T 6183.1
3	105084053079	1	X-port 2-speed manifold & fittings installation(See details)
4	114015053096		OPT, INST, fittings (oscillate multi-way valve)(See details)
5	215030000106	4	B type spring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

6.2.2 DRIVE CONTROL VALVE AND FITTINGS INSTALLATION



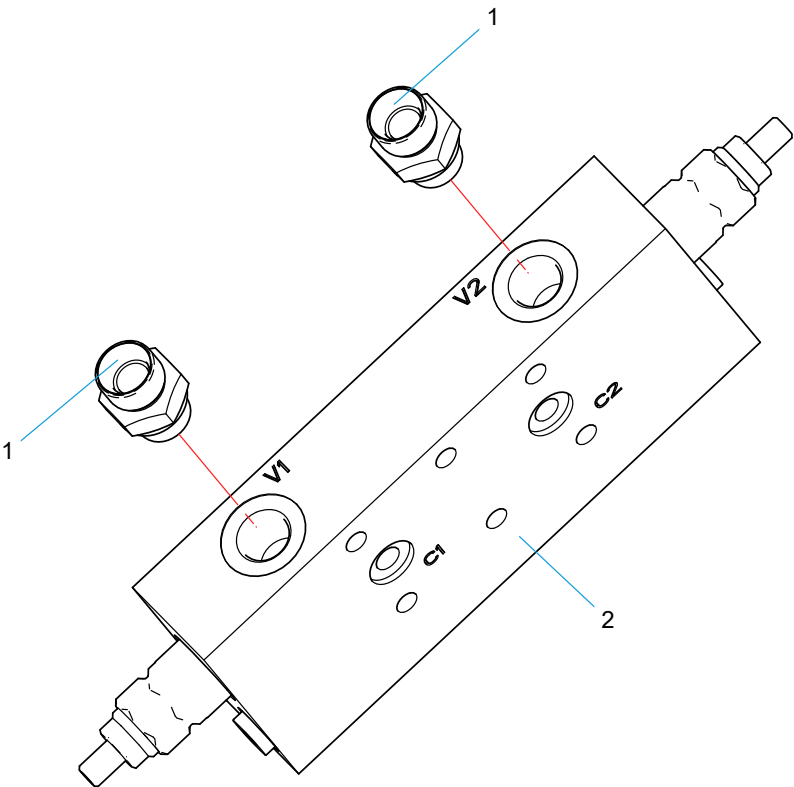
No.	Part No.	Qty.	Description
1	213010000039	9	Coupler
2	213010000018	2	Coupler
3	202040003985	1	Valve, control (travel)
4	213010000010	2	Coupler
5	213010000012	1	Coupler
6	213010000045	1	Coupler

6.2.3 DRIVE CONTROL VALVE (PN.202040003985)



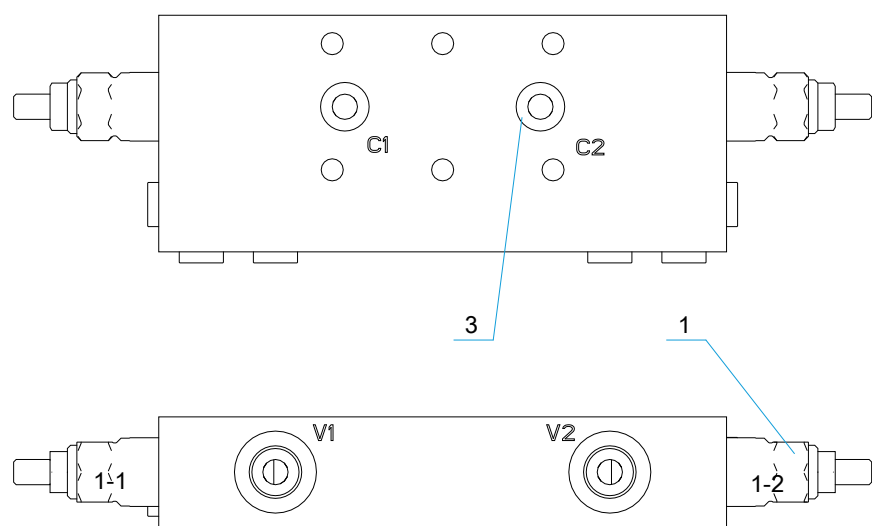
No.	Part No.	Qty.	Description
2	202130003015	1	Damper
3	202130003010	2	Damper
4	202130000008	2	Damper plug
5	202990003071	4	Check valve
6	202990003154	1	Shuttle valve
9	202990003108	1	Flushing valve
11	202990003211	2	Dividing-combining valve

6.2.4 OSCILLATE COUNTERBALANCE VALVE AND FITTINGS
INSTALLATION OPTIONS



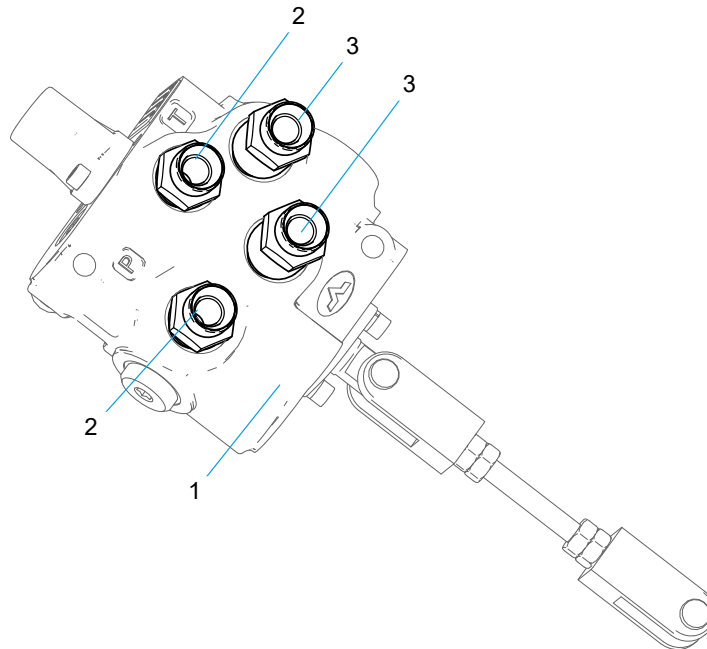
No.	Part No.	Qty.	Description
1	213010000005	2	Coupler
2	202040003786	1	Oscillate counterbalance manifold(See details)

6.2.5 OSCILLATE COUNTERBALANCE VALVE (PN.202040003786)



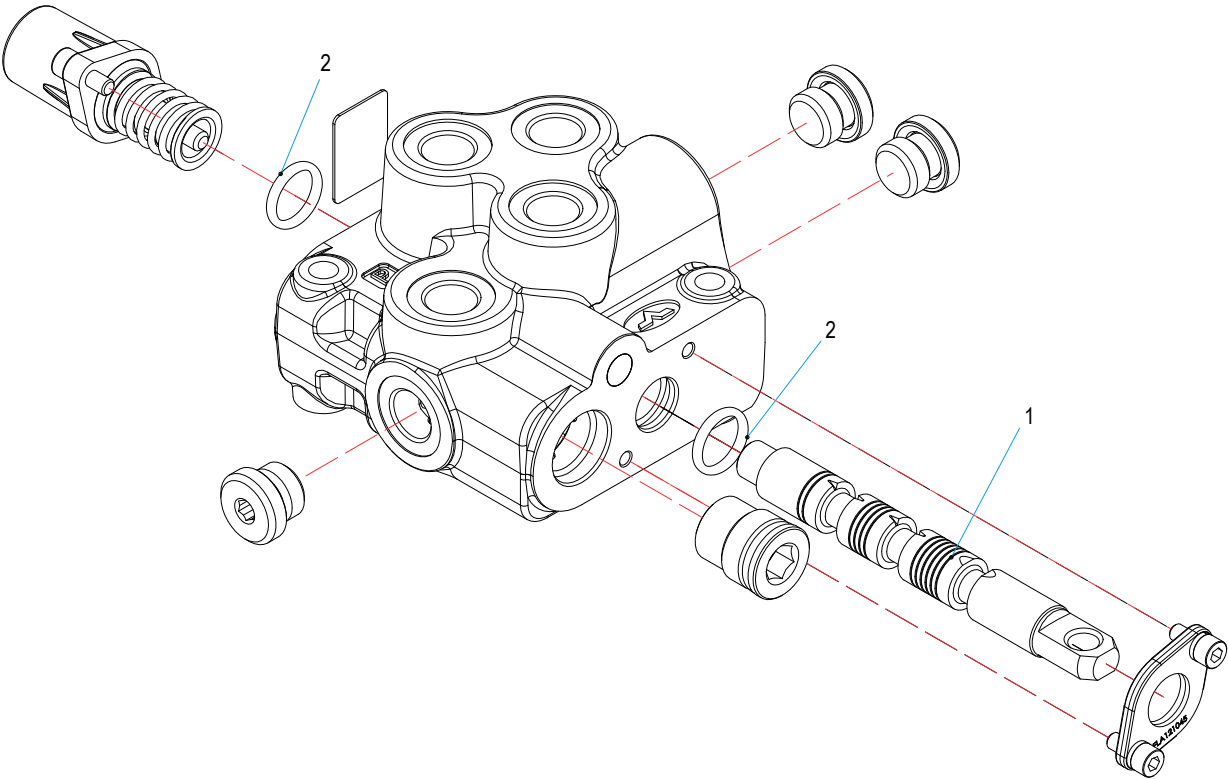
No.	Part No.	Qty.	Description
1	202040003216	2	Spool
3	207040003049	2	O-ring

6.2.6 OSCILLATE MULTI-WAY VALVE AND FITTINGS INSTALLATION OPTIONS



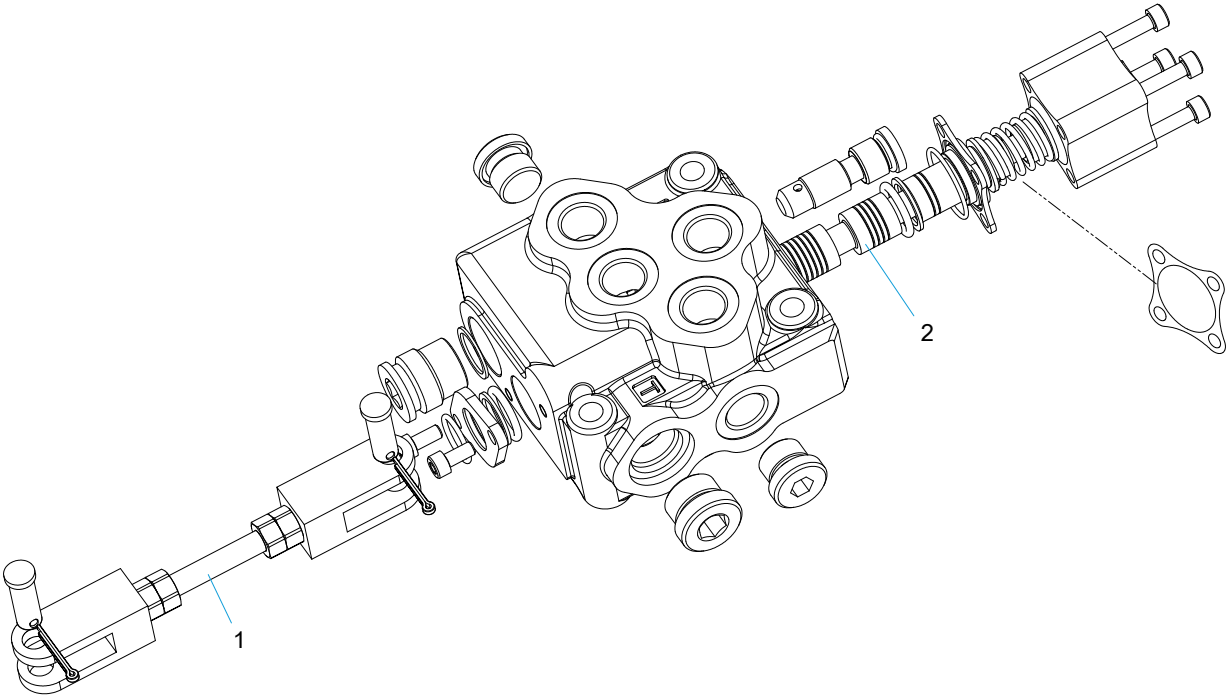
No.	Part No.	Qty.	Description
1-1	202040003026	1	Oscillate multi-way valve(SC: 1000191)
1-2	202040003485	1	Oscillate control manifold(SC: 1000179)
2	213010000005	2	Coupler
3	213010003251	2	Coupler

6.2.7 OSCILLATE MULTI-WAY VALVE (PN.202040003026)



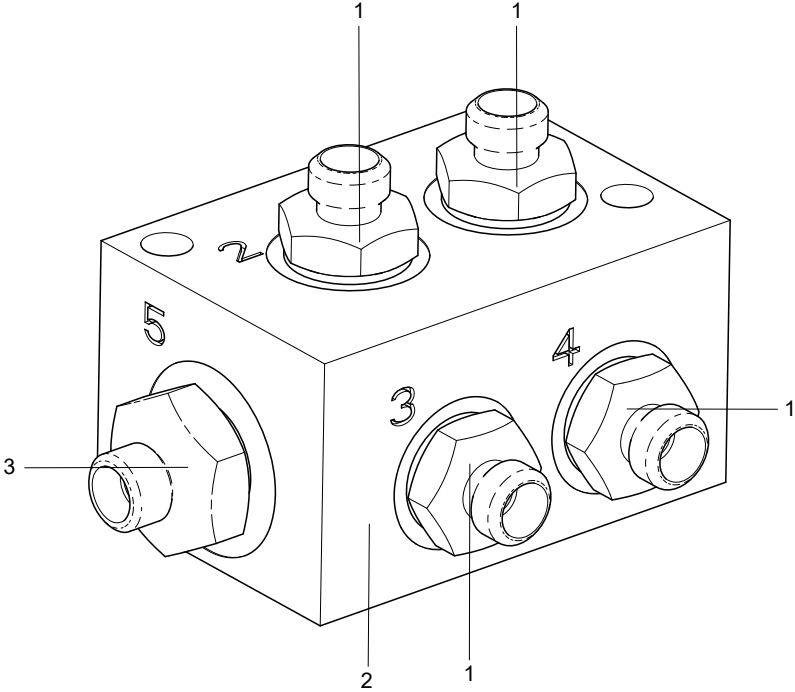
No.	Part No.	Qty.	Description
1	202990003065	1	Multi-way valve spool, oscillate
2	207060003007	2	O-ring

6.2.8 VALVE, MULTI-WAY (OSCILLATE)(PN.202040003485)



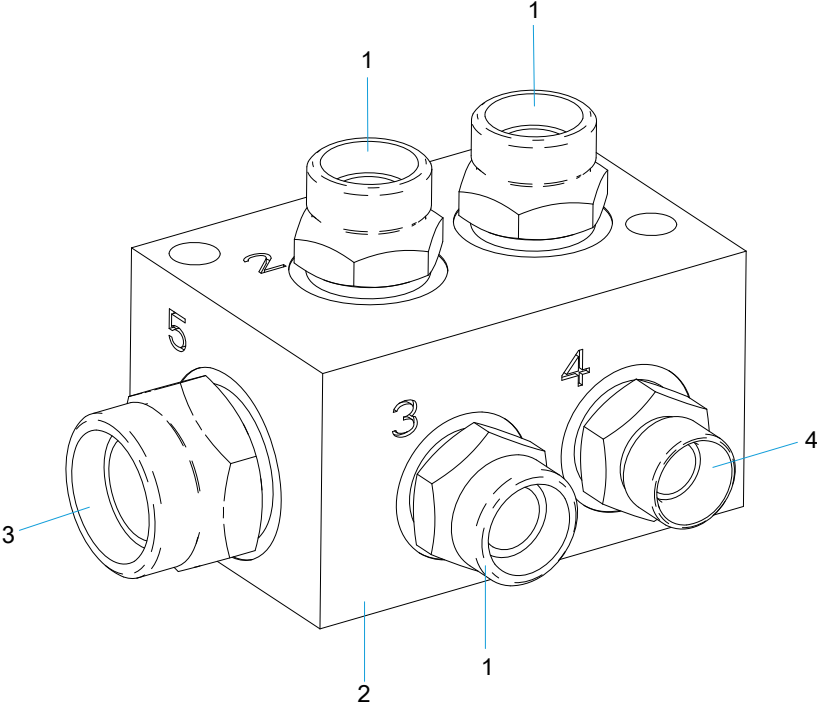
No.	Part No.	Qty.	Description
1	202990003905	1	Rod, tie
2	202990003904	1	Rod, vavle

6.2.9 2-SPEED MULTI-COUPLING AND FITTINGS INSTALLATION



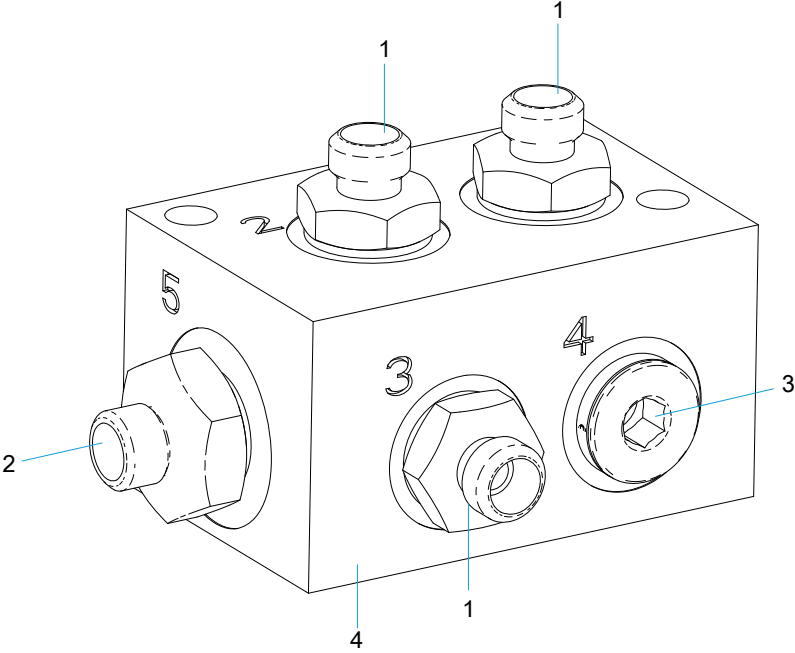
No.	Part No.	Qty.	Description
1	213010000047	4	Fitting
2	105001050037	1	Manifold
3	213010000138	1	Coupler

6.2.10 DRAIN MULTI-COUPLING AND FITTINGS INSTALLATION



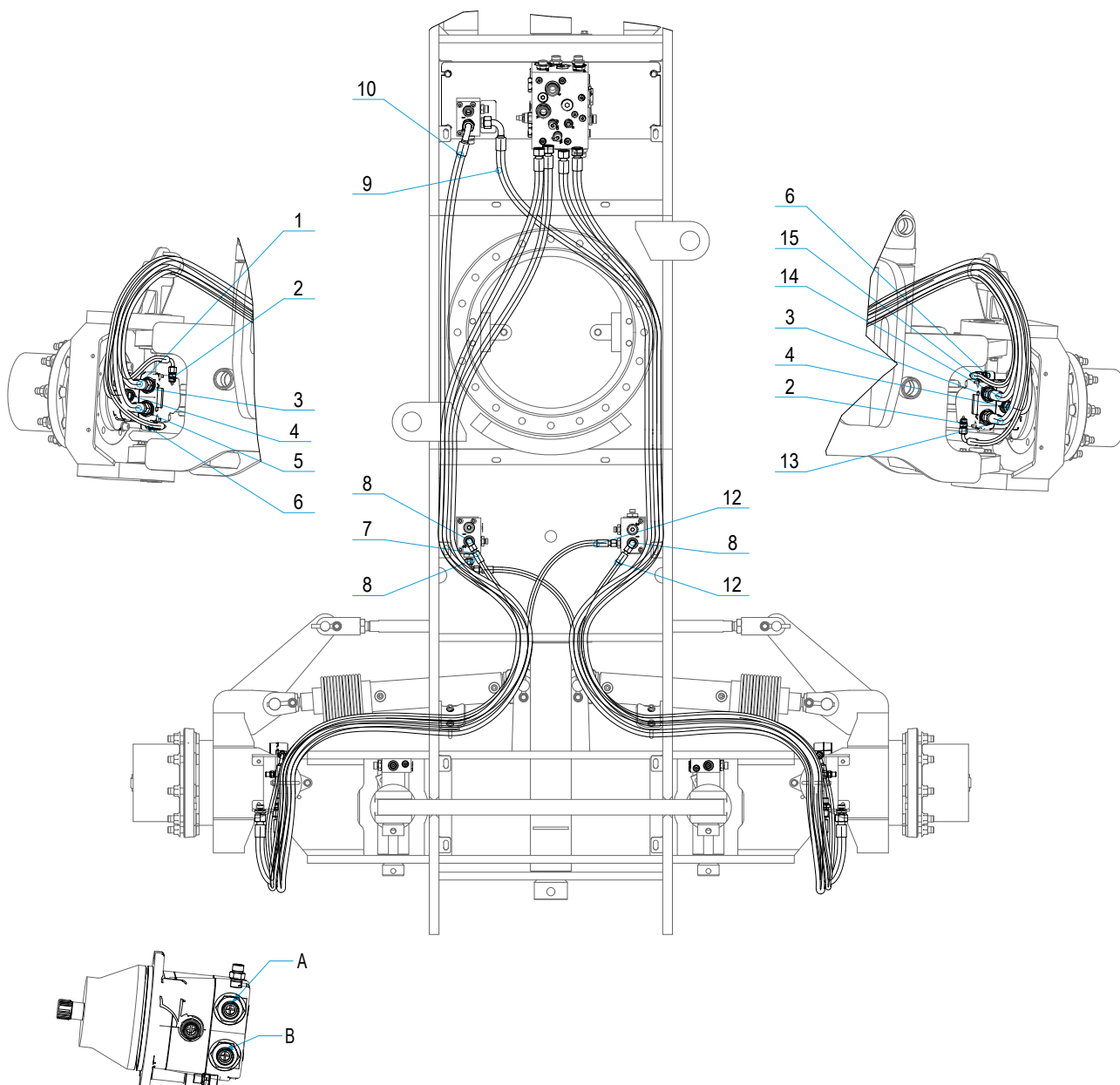
No.	Part No.	Qty.	Description
1	213010000003	3	Coupler
2	105001050037	1	Manifold
3	213010000017	1	Coupler
4	213010000005	1	Coupler

6.2.11 BRAKE MULTI-COUPLING AND FITTINGS INSTALLATION



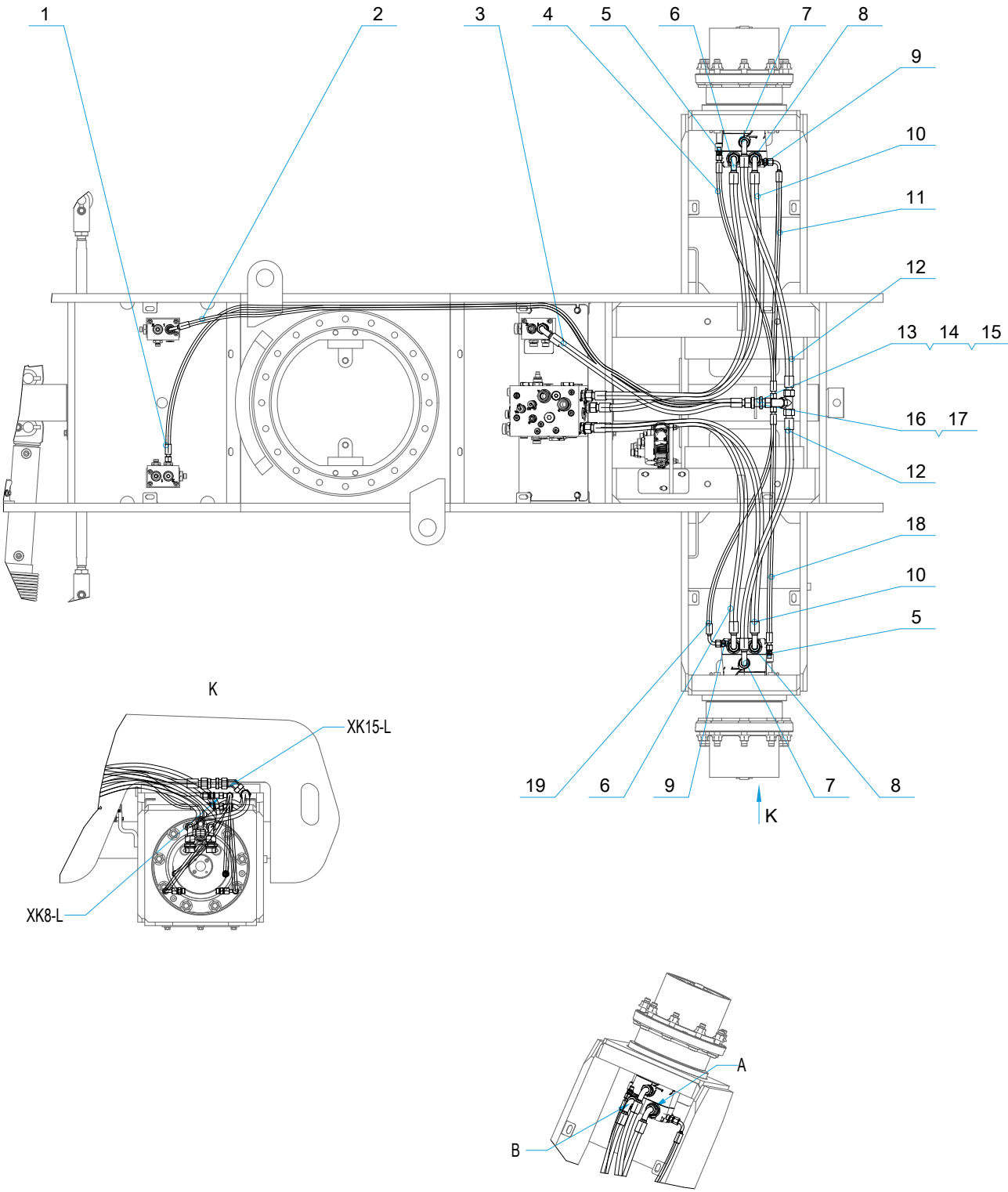
No.	Part No.	Qty.	Description
1	213010000047	3	Fitting
2	213010000138	1	Coupler
3	213060000001	1	Plug
4	105001050037	1	Manifold

6.2.12 PIPE LAYOUT DRAWING OF FRONT AXLE



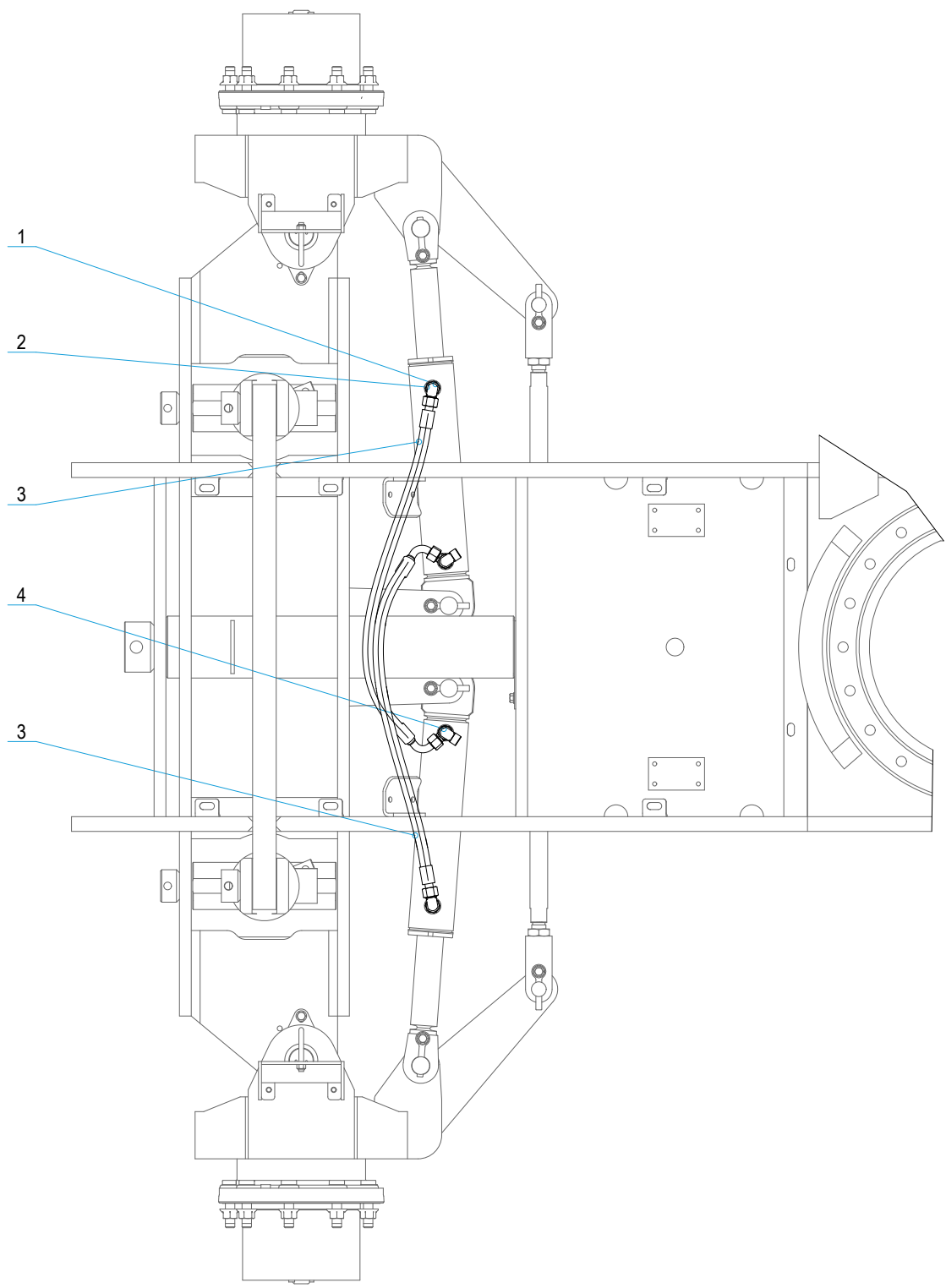
No.	Part No.	Qty.	Description
1	213050013578	1	Hose
2	213010000144	2	Coupler
3	213010000152	4	Fitting
4	213010000089	2	Coupler
5	213050013577	1	Hose
6	213010000013	2	Coupler
7	213050001487	1	Hose
8	213010000024	3	Coupler
9	213050000273	1	Hose
10	213050003564	1	Hose
12	213050000649	2	Hose
13	213050000598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

6.2.13 PIPE LAYOUT DRAWING OF REAR AXLE



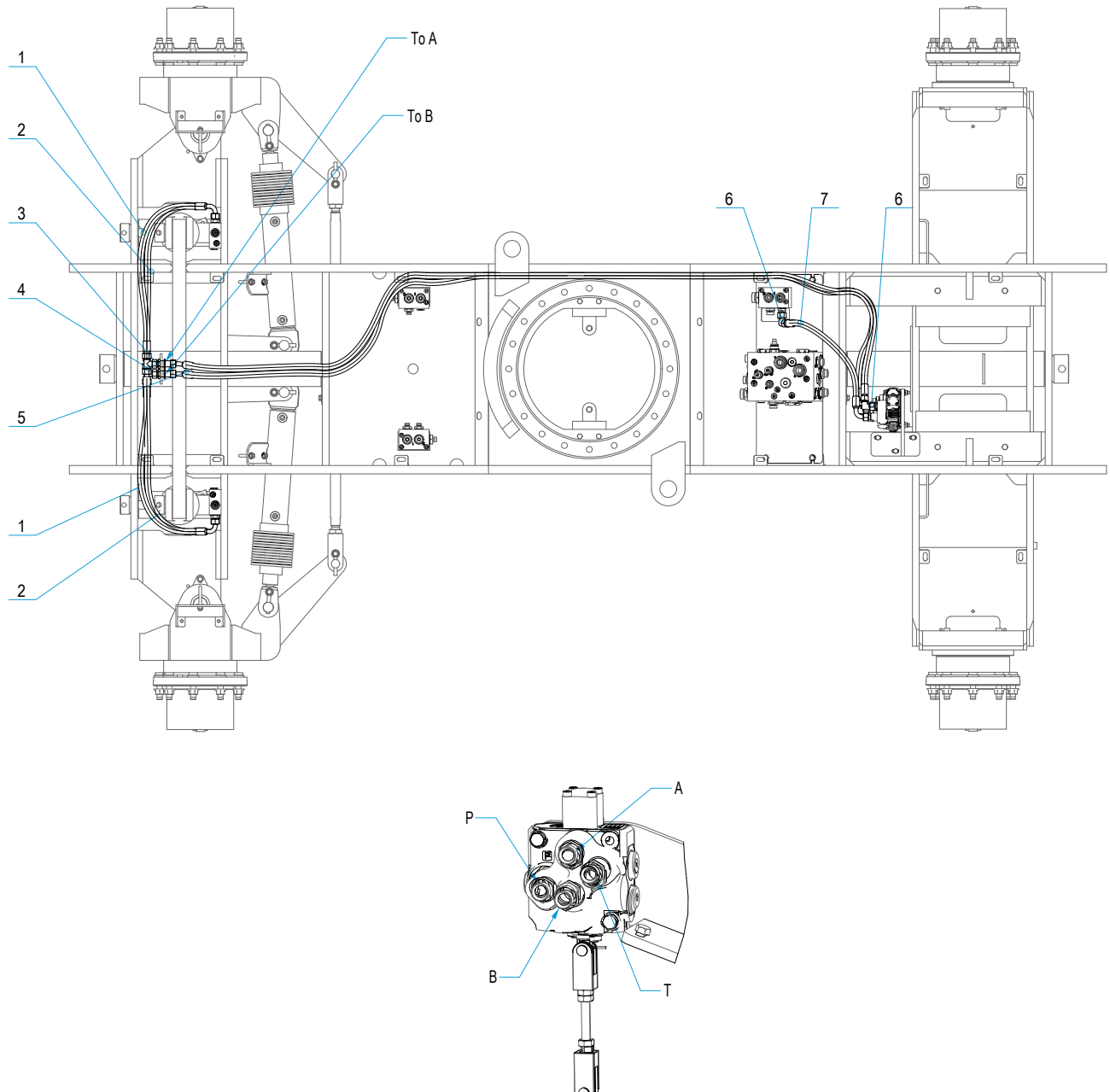
No.	Part No.	Qty.	Description
1	213050001456	1	Hose
2	213050005520	1	Hose
3	213050000731	1	Hose
4	213050003095	1	Hose
5	213010000013	2	Coupler
6	213050013571	2	Hose
7	213010000089	2	Coupler
8	213010000152	4	Fitting
9	213010000144	2	Coupler
10	213050013572	2	Hose
11	213050000999	1	Hose
12	213050001505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

6.2.14 PIPE LAYOUT DRAWING OF STEERING



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

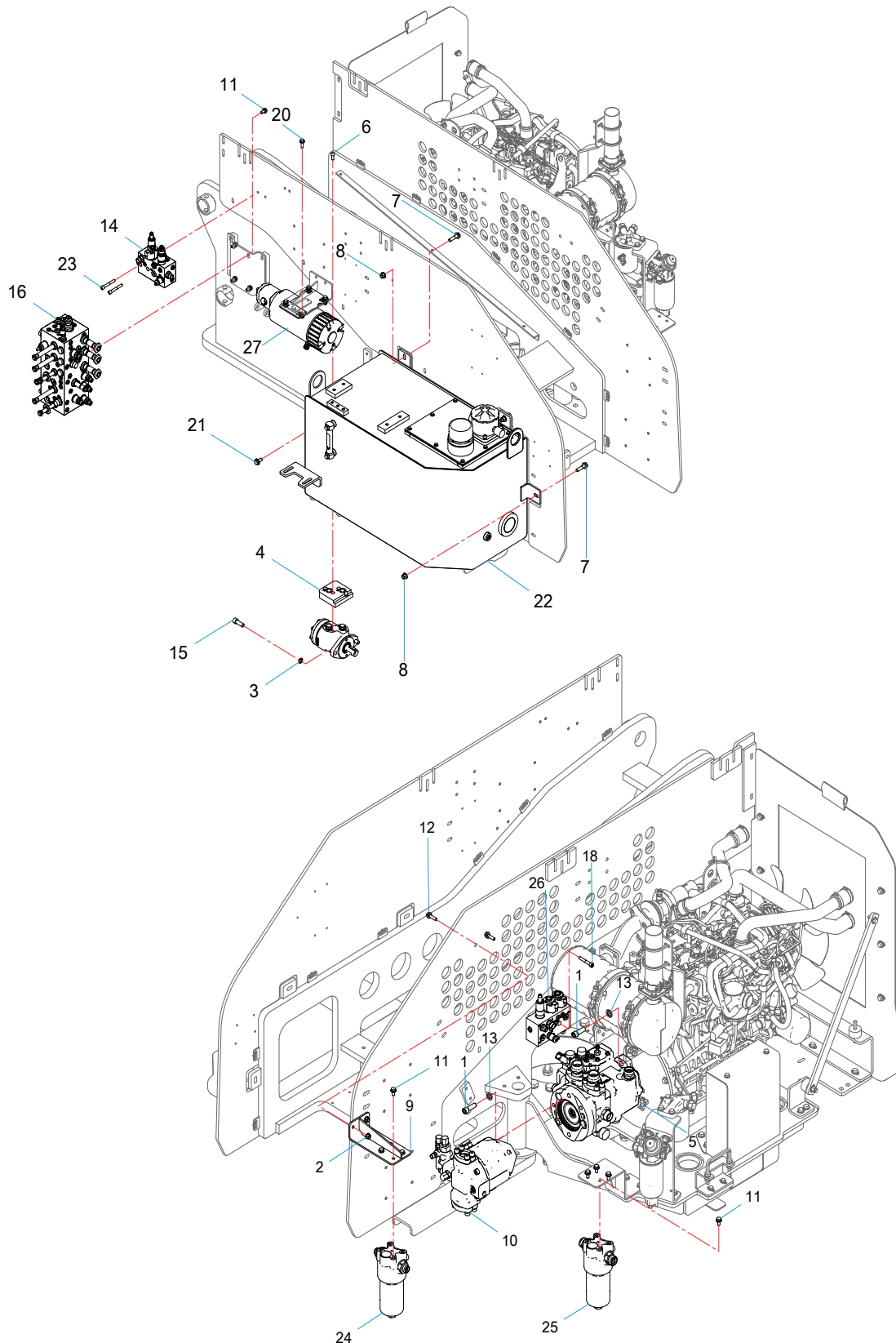
6.2.15 OSCILLATING PIPE LAYOUT DRAWING



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

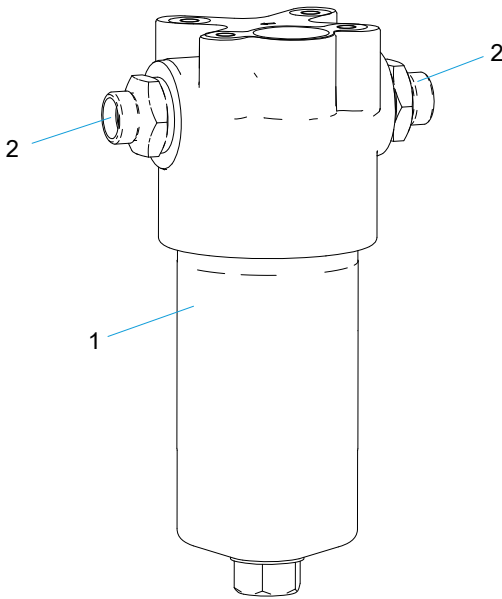
6.3 TURNTABLE HYDRAULIC SYSTEM(CONTINUOUS ROTATION- TURNTABLE LENGTH= 2.328M)

6.3.1 TURNTABLE HYDRAULIC COMPONENTS INSTALLATION



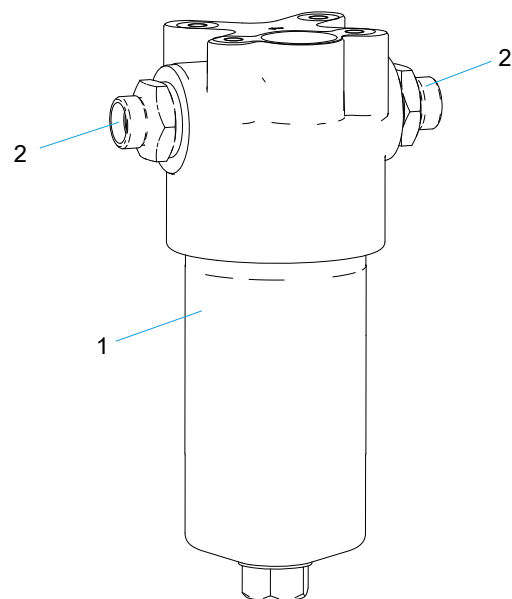
No.	Part No.	Qty.	Description
1	215080000005	4	Hexagon socket head cap screw 1/2-13UNC-1.5-GR8-DKL ASME B18.3
2	215030000108	6	Nut M8-8-ZnD GB/T 6183.1
3	215040000007	2	Washer 12-ZnD GB/T 93
4	202990003005	1	Slewing transition block
5	105051053288	1	Options, Closed-circuit pump & fittings installation
5-1	105051053290	1	Closed-circuit pump & fittings installation
5-2	105051053301	1	Closed-circuit pump & fittings installation
6	215020000023	4	Screw M8×20-8.8-ZnD GB/T 70.1
7	215010000269	3	Bolt M10×40-10.9-DKL GB/T 5789
8	215030000109	3	Nut M10-8-ZnD GB/T 6183.1
9	104030020214	1	Support,filter
10	105084053144	1	Open-circuit pump & fittings installation, options
10-1	105084053143	1	Open-circuit pump & fittings installation
10-2	105084053164	1	Open-circuit pump & fittings installation
11	215010000286	12	Bolt M8×16-8.8-ZnD GB/T 5789
12	215010000236	2	Bolt M8×30-8.8-ZnD GB/T 5789
13	215040000051	4	Washer 12-DKL GB/T 1230
14	105084053141	1	Float Control Valve & Fittings Installation
15	215020000076	2	Screw M12×35-8.8-ZnD GB/T 70.1
16	104030050019	1	Boom function manifold & fittings installation
17	103011053176	1	Cycloid motor options
18	215020000032	2	Screw M8×50-8.8-ZnD GB/T 70.1
19	207040000060	1	O-ring
20	215010000235	4	Bolt M8×25-8.8-ZnD GB/T 5789
21	215010000266	1	Bolt M10×20-10.9-DKL GB/T 5789
22	104030050152	1	ASSY, HYDR tank
23	215020000038	2	Screw M8×60-8.8-ZnD GB/T 70.1
24	103011053052	1	Filter & fittings installation options
25	114015053093	1	Filter & fittings installation options
26	105051053275	1	Brake/2-speed valve & fittings installation
27	105074053142	1	Emergency power unit options
27-1	202010003090	1	Power unit
27-2	202010000041	1	Power Unit, 12V

6.3.2 FILTER & FITTINGS INSTALLATION OPTIONS



No.	Part No.	Qty.	Description
1	114015053093		Filter & fittings installation options
1-1	202080003017	1	High pressure filter(1000181)
1-1a	202080003018	1	Filter element
1-2	202080000046	1	High pressure filter(1000060)
1-2a	202080000048	1	Filter element
3	213010000045	2	Coupler

6.3.3 HIGH PRESSURE FILTER OPTIONS

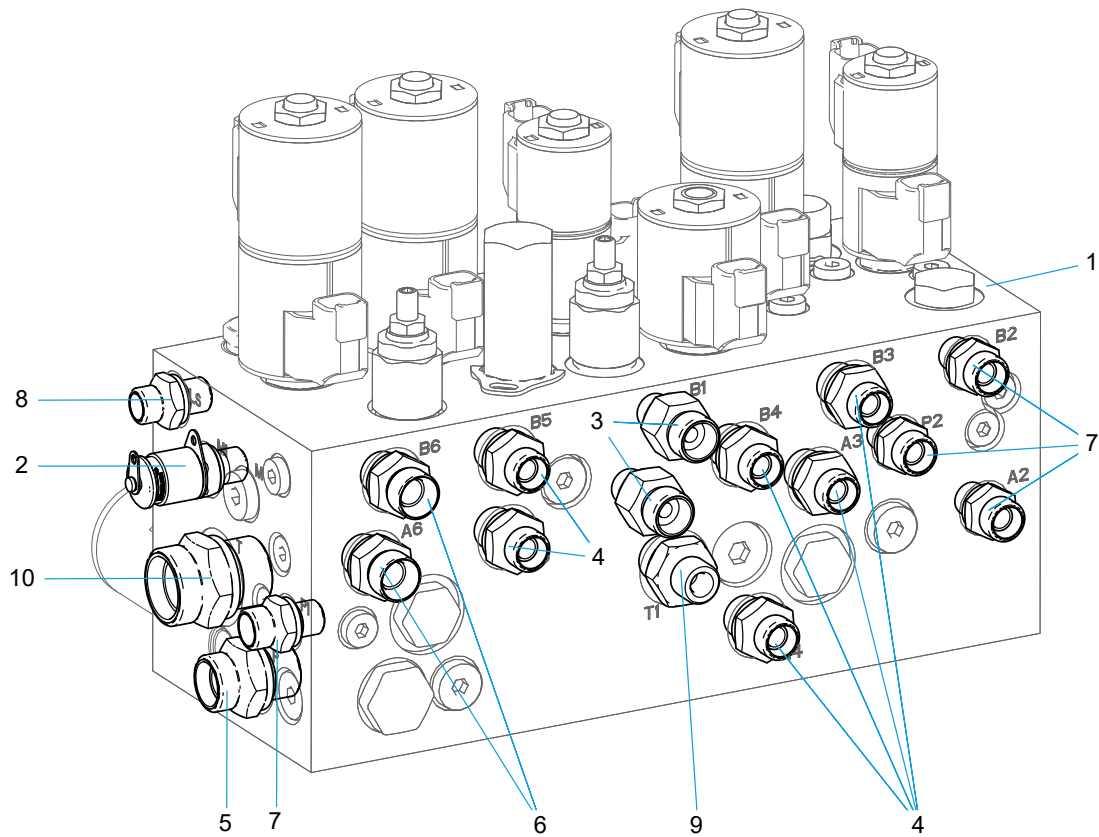


No.	Part No.	Qty.	Description
	103011053052		Filter & fittings installation options
1-1	202080003017	1	High pressure filter(1000181)
1-1a	202080003018	1	Filter element
1-2	202080000046	1	High pressure filter(1000060)
1-2a	202080000048	1	Filter element
2	213010000014	2	Coupler

6.3.4 Selection of Cycloidal Motor

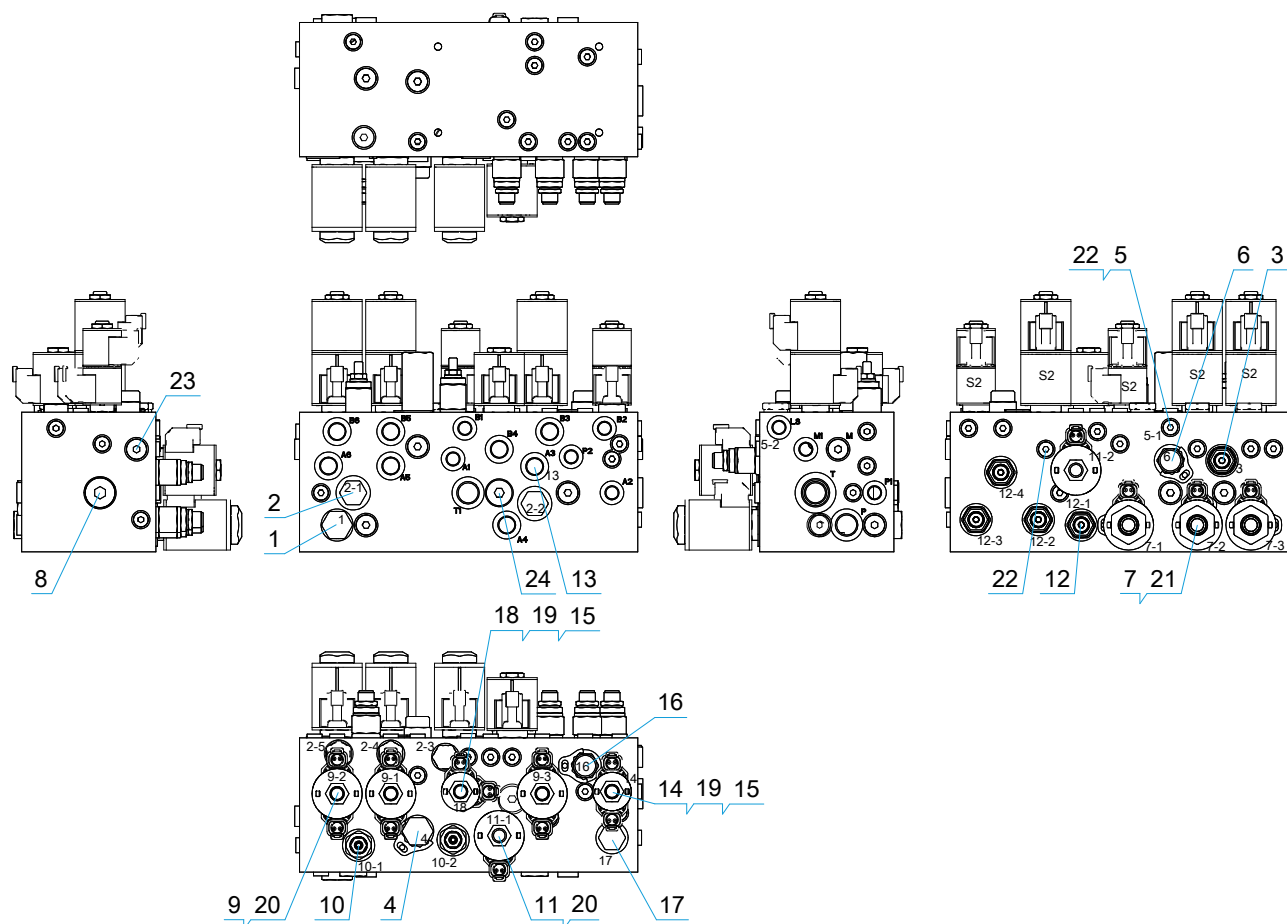
No.	Part No.	Qty.	Description
1	202020000014	1	Cycloid motor
1a	207990000114	1	Seal kit, Cycloid motor
2	202020003090	1	Cycloid motor
2a	202990003346	1	Seal kit, Cycloid motor
3	202020003114	1	Cycloid motor
3a	207990003937	1	Seal kit, Cycloid motor

6.3.5 BOOM FUNCTION VALVE AND FITTINGS INSTALLATION



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

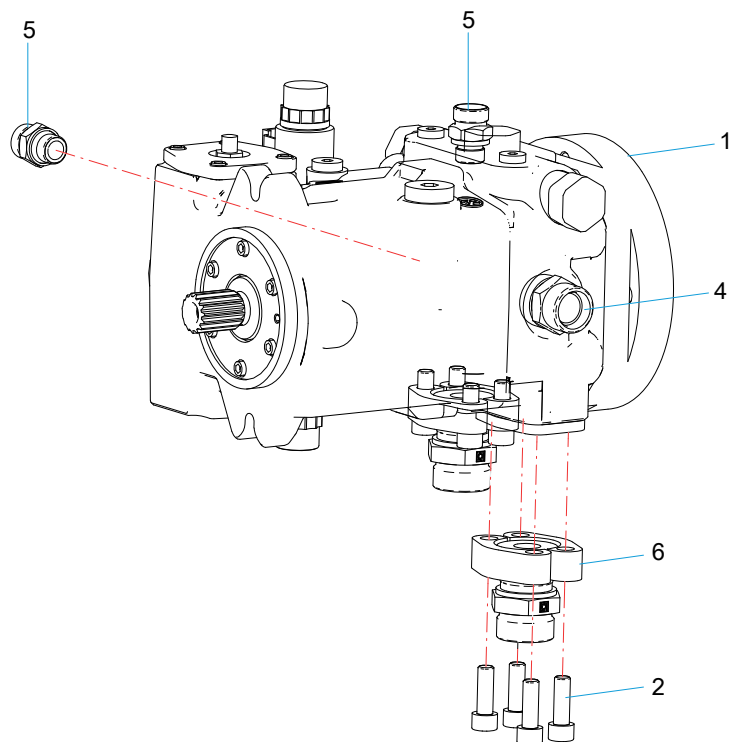
6.3.6 BOOM FUNCTION MANIFOLD (PN.202040003817)



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

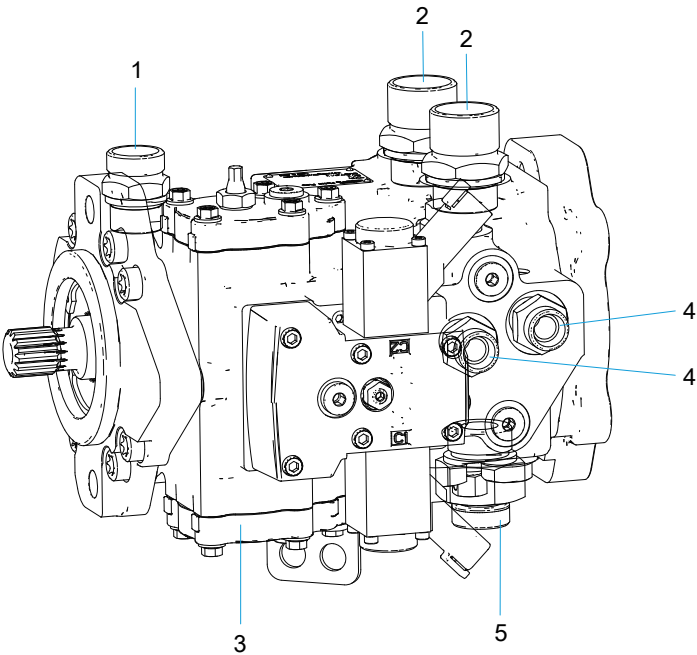
No.	Part No.	Qty.	Description
19	202040003153	4	Coil
20	202990003712	8	Coil
21	202990003714	3	Coil

6.3.7 CLOSED PUMP (PN.105051053290)



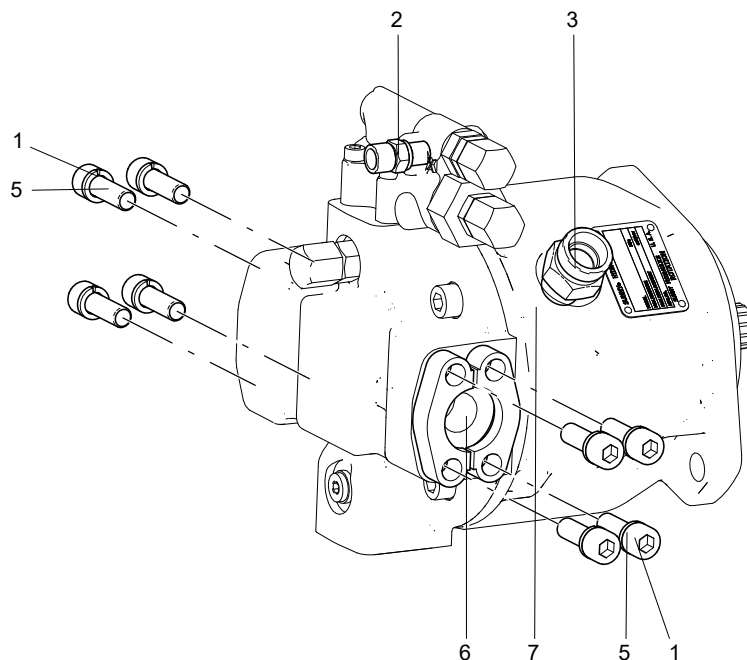
No.	Part No.	Qty.	Description
1	202010000045	1	Closed-circuit variable pump
1a	207990003106	1	Seal kit,Closed-circuit pump
2	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
3	213010000168	1	Coupler
4	213010000103	1	Coupler
5	213010000108	2	Coupler
6	213030000018	2	Flange

6.3.8 CLOSED PUMP AND FITTINGS INSTALLATION (PN.105051053301)



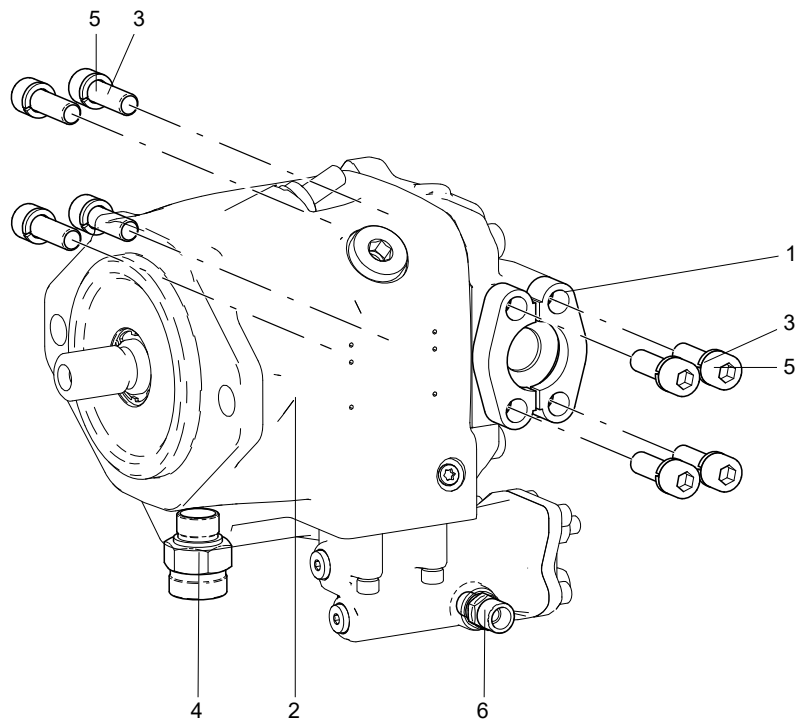
No.	Part No.	Qty.	Description
1	213010000029	1	Coupler
2	213010000027	2	Coupler
3	202010000054	1	Closed-circuit variable pump
3a	207990003118	1	Seal kit, closed-circuit pump(Not shown)
4	213010000162	2	Coupler
5	213010003017	1	Coupler

6.3.9 OPEN-CIRCUIT PUMP (SC: 1000054) AND FITTINGS INSTALLATION



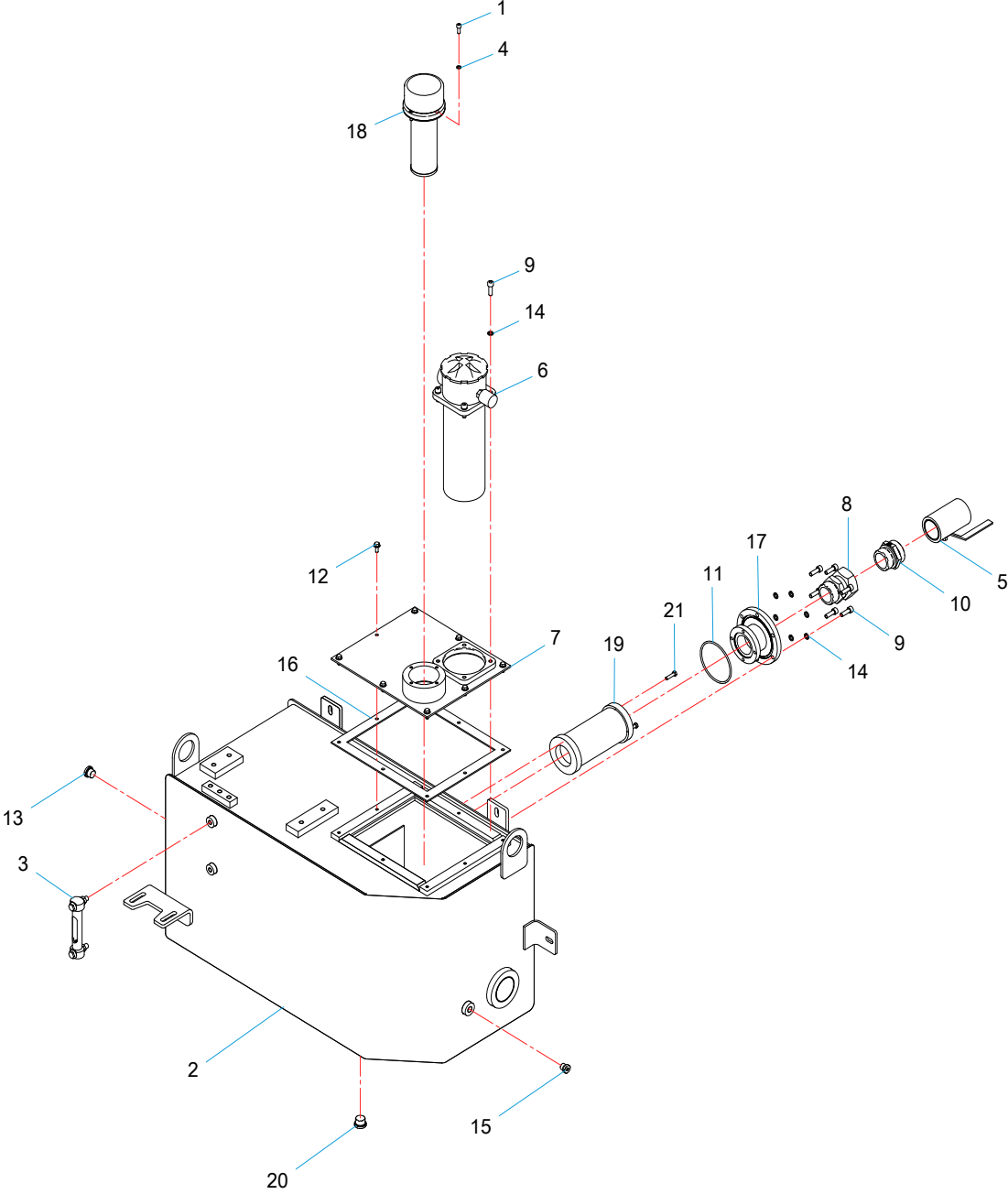
No.	Part No.	Qty.	Description
1	215040000006	8	Washer 10-ZnD GB/T 93
2	213010000013	1	Coupler
3	213010000213	1	Coupler
4	213030000002	1	Flange
5	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
6	213030000007	1	Flange
7	202010000048	1	Plunger variable pump
7a	207990003946	1	Seal kit, open-circuit pump

6.3.10 OPEN-CIRCUIT PUMP (SC: 1000857) AND FITTINGS INSTALLATION



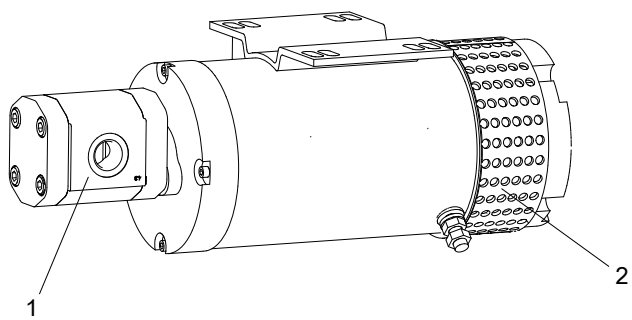
No.	Part No.	Qty.	Description
1	213030000007	1	Flange
2	202010003140	1	Open-circuit pump
2a	207990003982	1	Seal kit, Open-circuit pump
3	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
4	213010000213	1	Coupler
5	215040000006	8	Washer 10-ZnD GB/T 93
6	213010000013	1	Coupler
7	213030000002	1	Flange(Not shown)

6.3.11 HYDRAULIC TANK ASSEMBLY (OPTIONAL)



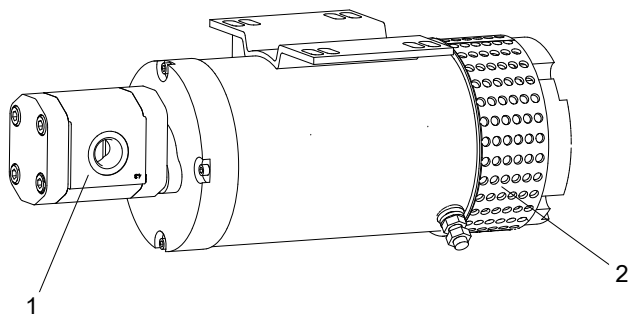
No.	Part No.	Qty.	Description
1	215020000011	4	Screw M6×16-A2-70 GB/T 70.1
2-1	104030050151	1	Tank, HYDR (with heater)
2-2	104030050153	1	HYDR tank
3	202120000005	1	Level gauge
4	215040000004	12	Washer 6-A2-70 GB/T 93
5	202040000017	2	Valve
6	202080000007	1	Oil return filter
7	104030050156	1	Fuel tank plate
8	213010000059	2	Coupler
9	215020000024	16	Screw M8×25-8.8-ZnD GB/T 70.1
10	213010000058	2	Coupler
11	207040003004	2	O-ring
12	215010000230	8	Bolt M6×16-8.8-ZnD GB/T 5789
13	213060000006	2	Plug
14	215040000005	16	Washer 8-ZnD GB/T 93
15	213060000010	1	Plug
16	104030050159	1	Sad, seal
17	105001020024	2	Flange
18	202070003014	1	Air filter
19	202080000004	2	Oil suction filter
20	213060000004	1	Plug
21	215010000052	8	Bolt M6×25-A2-70 GB/T 5783

6.3.12 POWER UNIT(PN.202010000041)



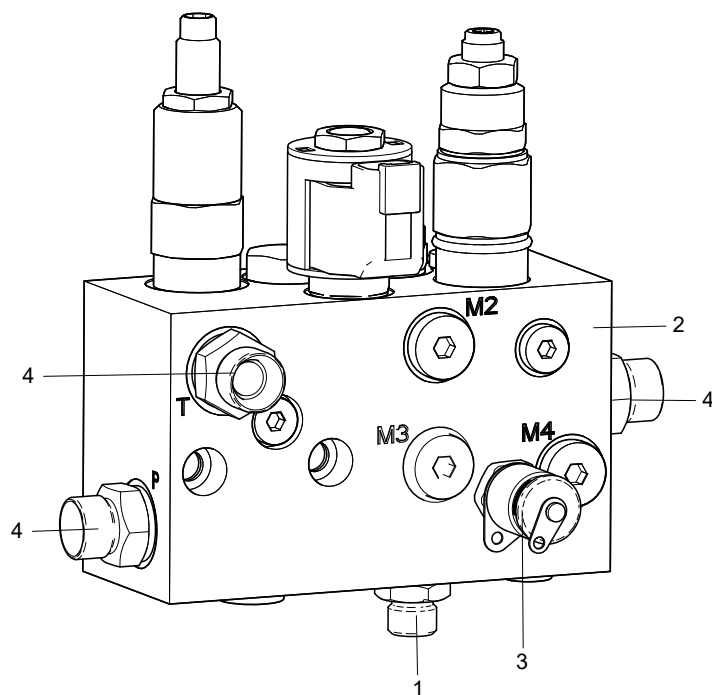
No.	Part No.	Qty.	Description
1	202010003073	1	Gear pump
1a	207990003107	1	Seal kit, gear pump
2	203010003058	1	DC motor

6.3.13 POWER UNIT (PN.202010003090)



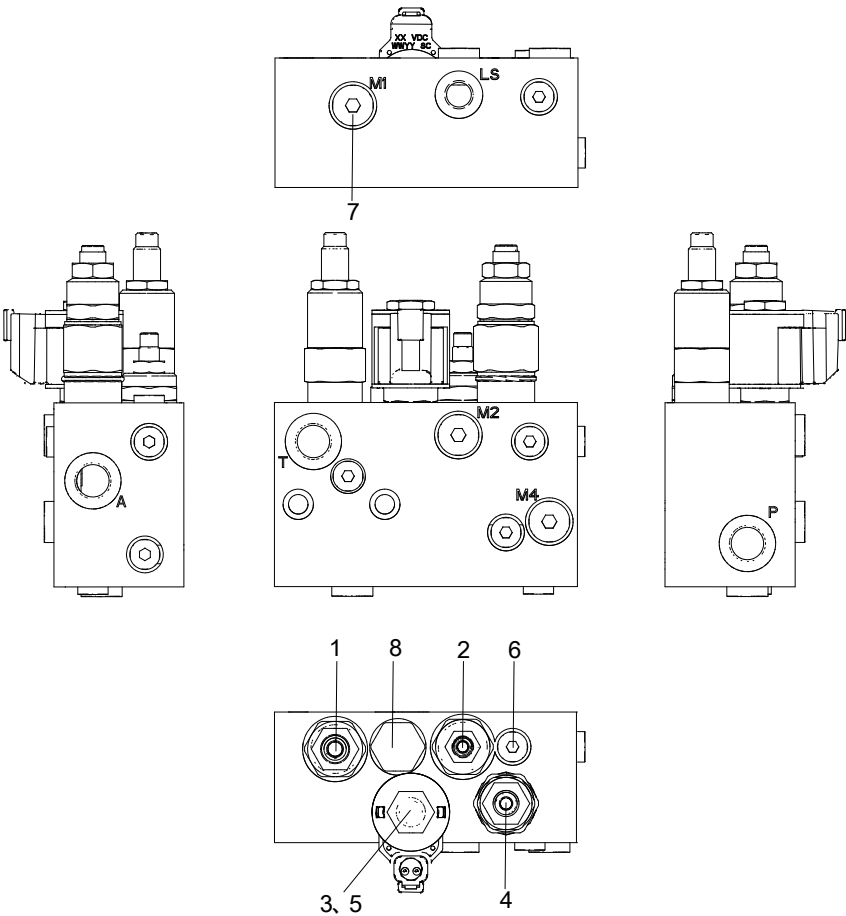
No.	Part No.	Qty.	Description
1	202010003073	1	Gear pump
1a	207990003107	1	Seal kit, gear pump
2	203010003058	1	DC motor

6.3.14 OSCILLATE CONTROL VALVE (SC : 1001078) AND FITTINGS INSTALLATION



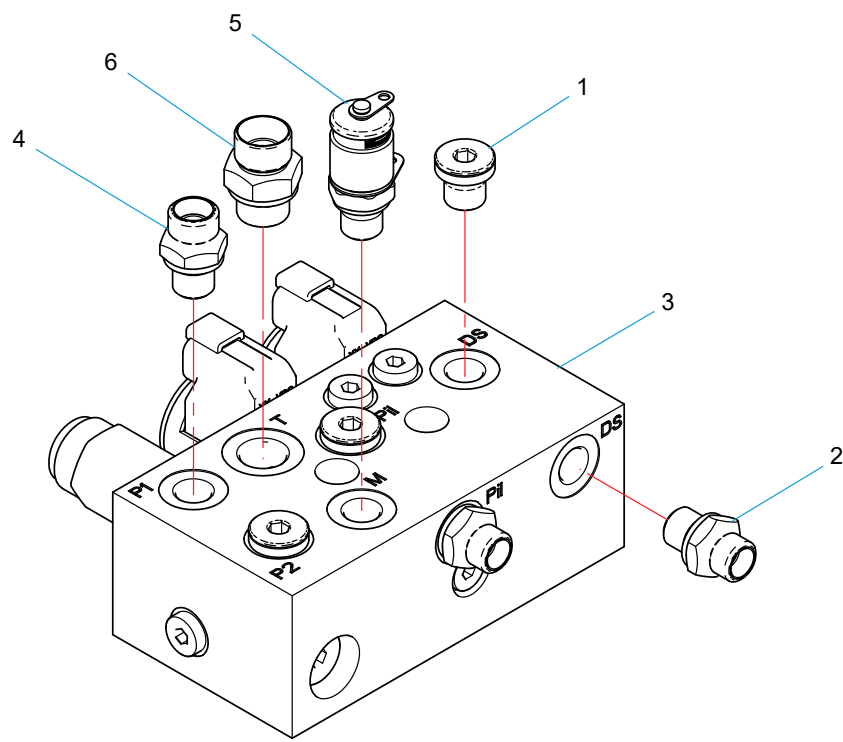
No.	Part No.	Qty.	Description
1	213010000007	1	Fitting
2	202040003521	1	Oscillate control valve
3	213010000010	1	Coupler
4	213010000005	3	Coupler

6.3.15 OSCILLATE CONTROL VALVE (PN.202040003521)



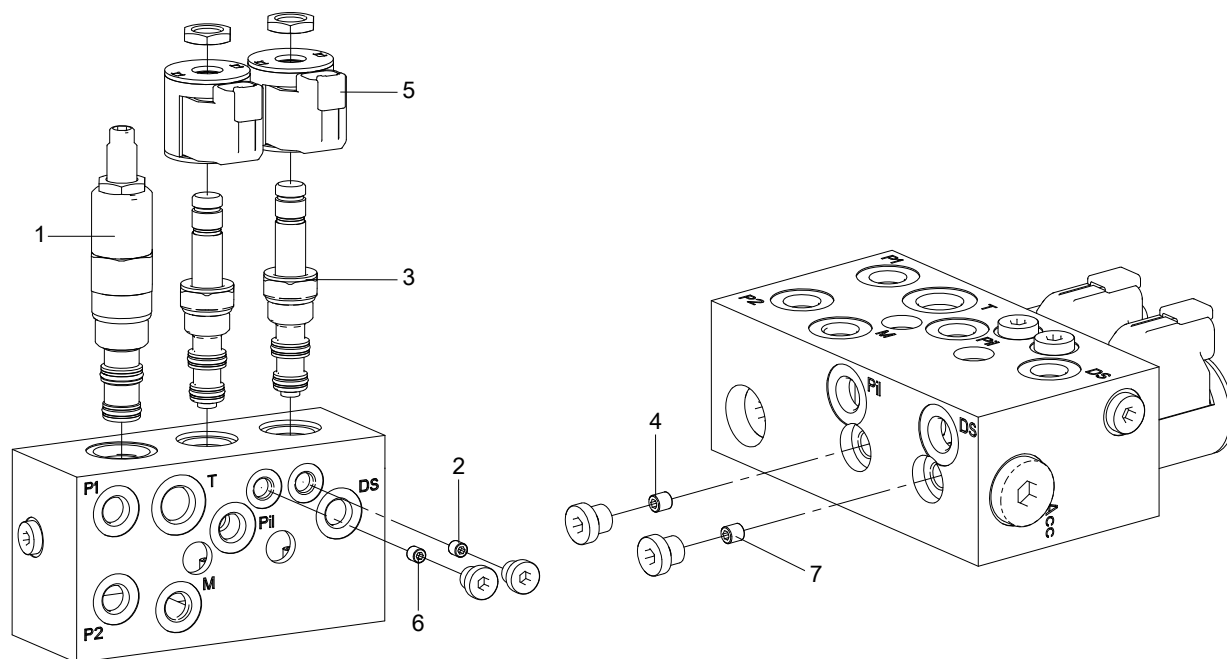
No.	Part No.	Qty.	Description
1	202040003345	1	Pressure reducing valve
2	202040003353	1	Flow valve
3	202040003351	1	Solenoid valve
4	202040003346	1	Hydraulic controlled valve
5	202990000037	1	Coil
6	202130003003	1	Damper
7	202990003192	1	High pressure piece
8	202990003071	1	Check valve

6.3.16 BRAKE/2-SPEED CONTROL VALVE AND FITTINGS INSTALLATION
(PN.105051053275)



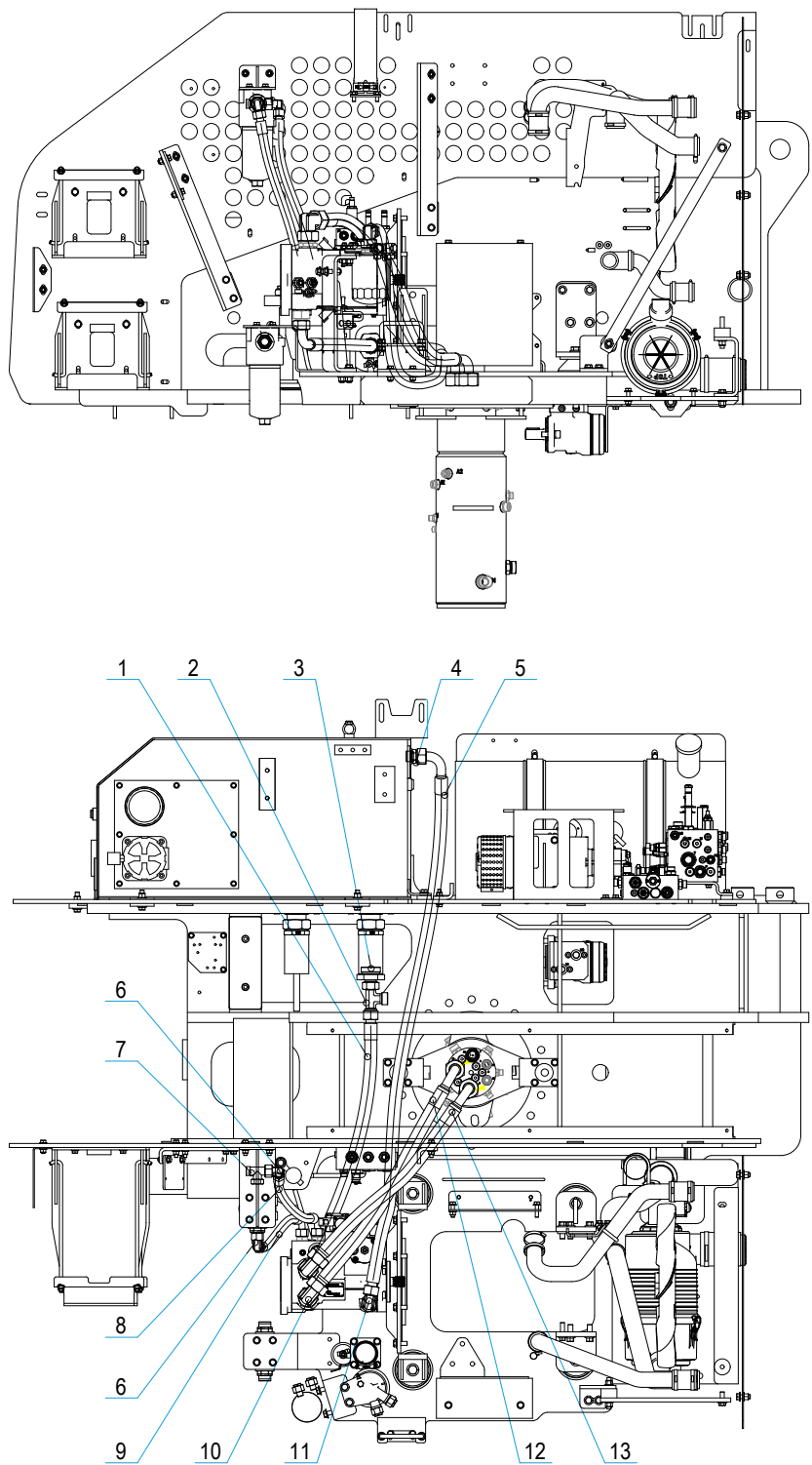
No.	Part No.	Qty.	Description
1	213060000003	3	Plug
2	213010000007	2	Fitting
3	202040000006	1	Brake Dual-speed Control Valve (12V)
4	213010000012	1	Coupler
5	213010000010	1	Coupler
6	213010000005	1	Coupler

6.3.17 DUAL-SPEED BRAKE CONTROL VALVE (12V)(PN.202040000006)



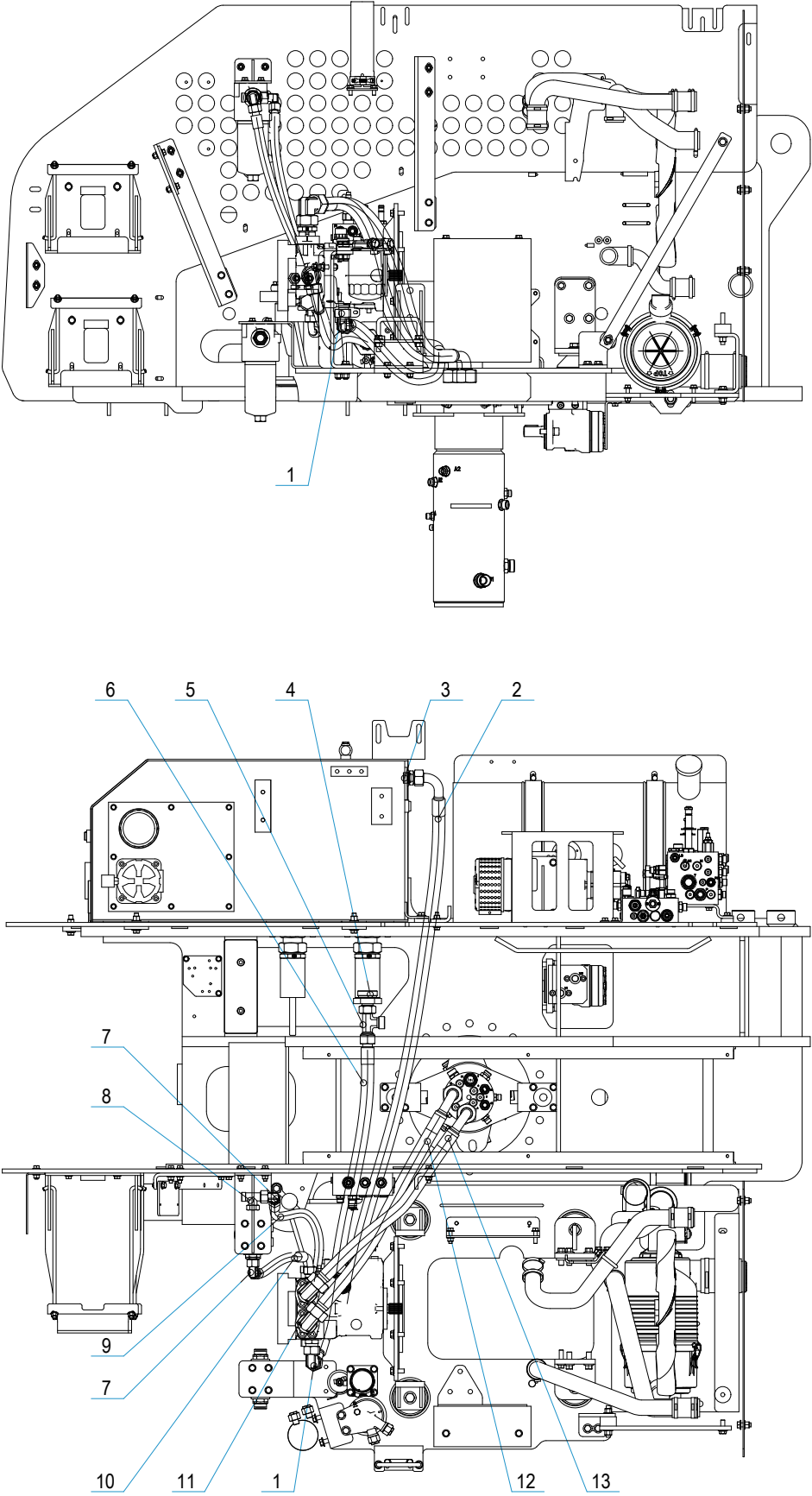
No.	Part No.	Qty.	Description
1	202990003103	1	Relief valve
2	202130000008	1	Damper plug
3	202990003158	2	Solenoid valve
4	202130000004	1	Plug
5	202990000037	2	Coil
6	202130003015	1	Damper
7	202130000001	1	Damper

6.3.18 CLOSED PUMP (PN.104030050168) TUBES LAYOUT



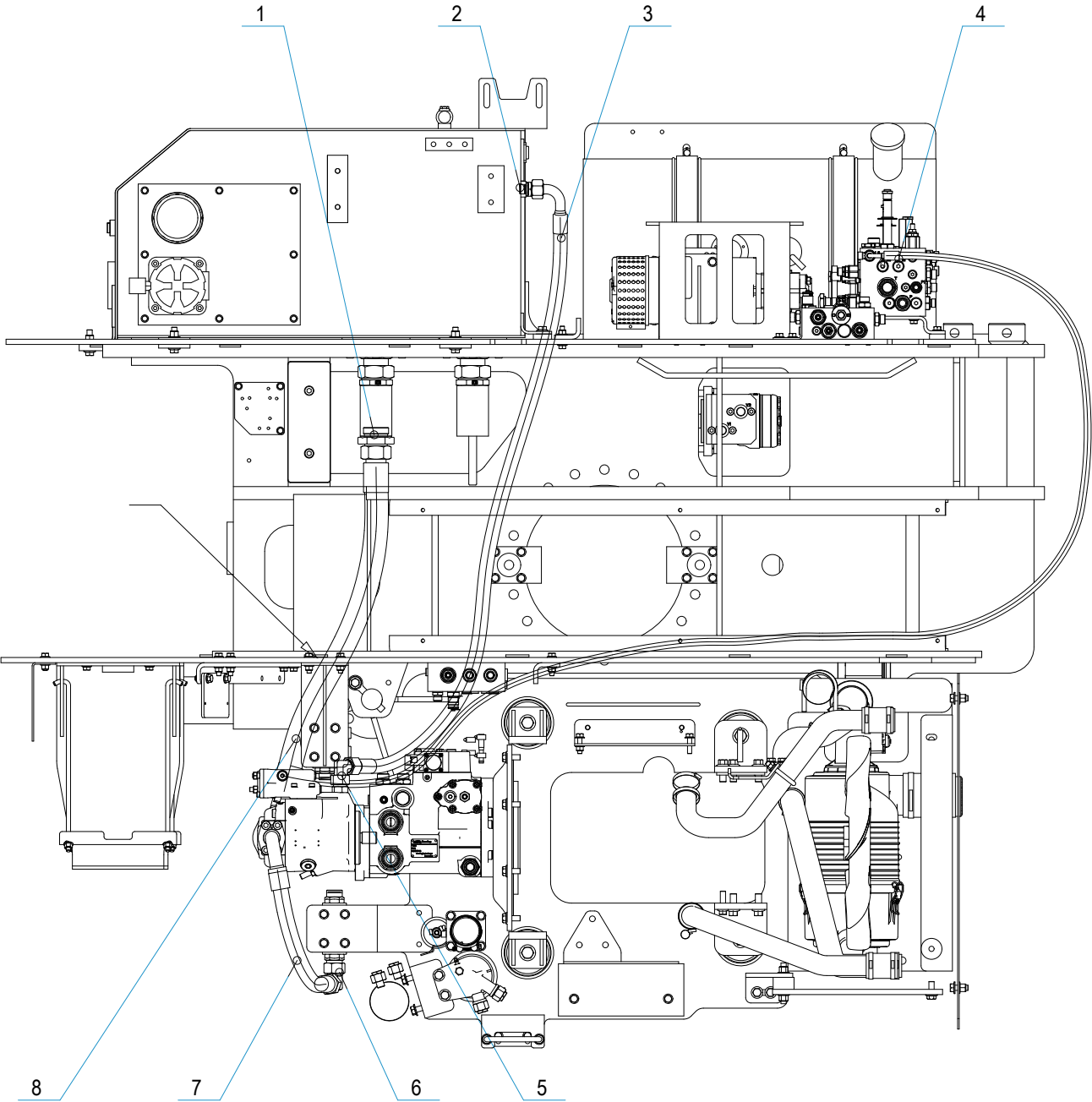
No.	Part No.	Qty.	Description
1	213050018714	1	Hose
2	213010000043	1	Coupler
3	105001050002	1	Fitting
4	213010000037	1	Coupler
5	213050000147	1	Hose
6	213010000008	2	Coupler
7	213010000241	1	Coupler
8	213050001351	1	Hose
9	213050001457	1	Hose
10	213010000022	2	Coupler
11	213010000041	1	Coupler
12	213050017101	1	Hose
13	213050019143	1	Hose

6.3.19 CLOSED PUMP (PN.104030050184) TUBES LAYOUT



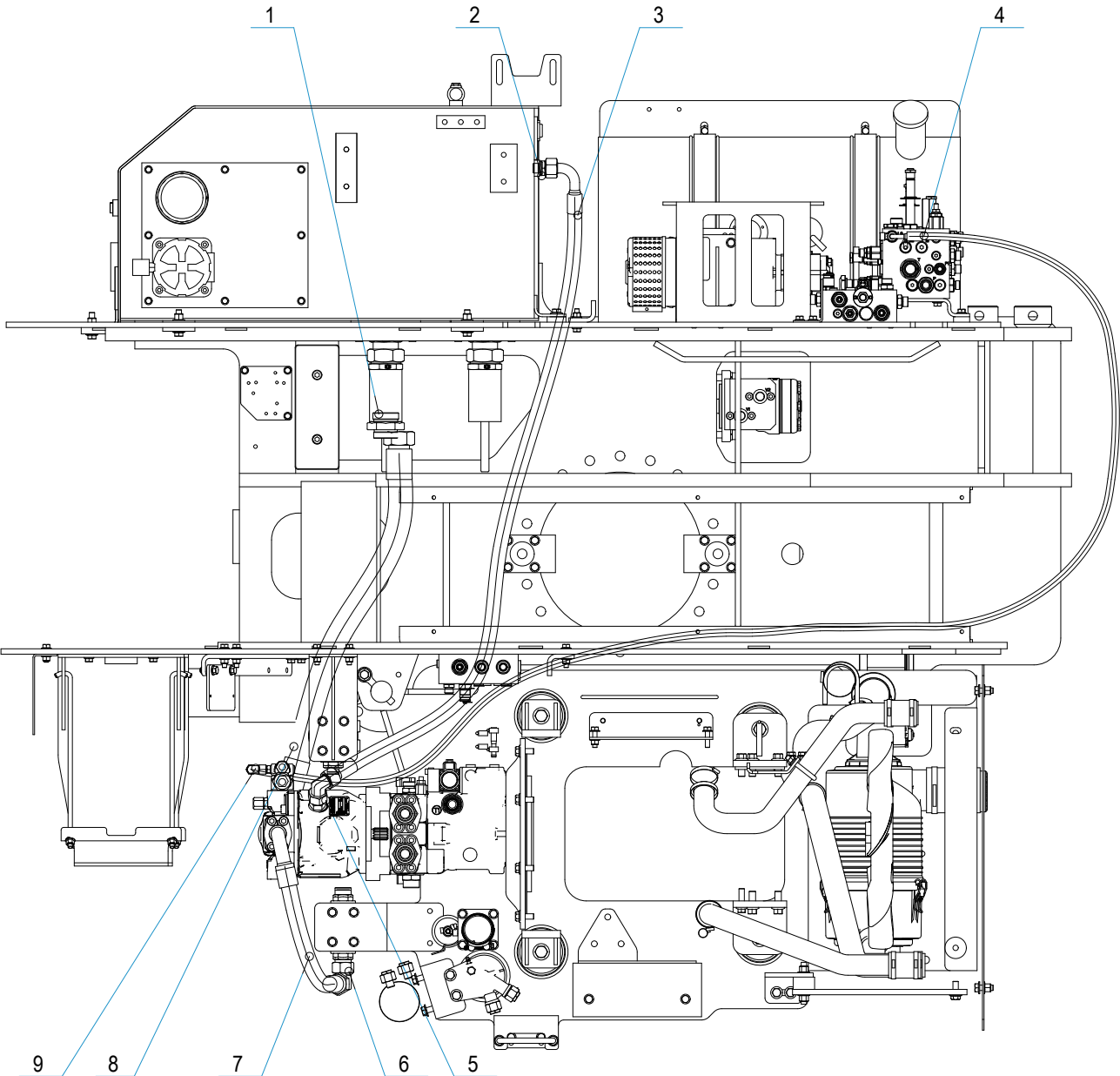
No.	Part No.	Qty.	Description
1	213010000041	2	Coupler
2	213050001359	1	Hose
3	213010000037	1	Coupler
4	105001050002	1	Fitting
5	213010000043	1	Coupler
6	213050019009	1	Hose
7	213010000008	2	Coupler
8	213010000241	1	Coupler
9	213050001505	1	Hose
10	213050001351	1	Hose
11	213010000022	2	Coupler
12	213050017101	1	Hose
13	213050019143	1	Hose

6.3.20 OPEN PUMP (PN.104030050167) TUBES LAYOUT



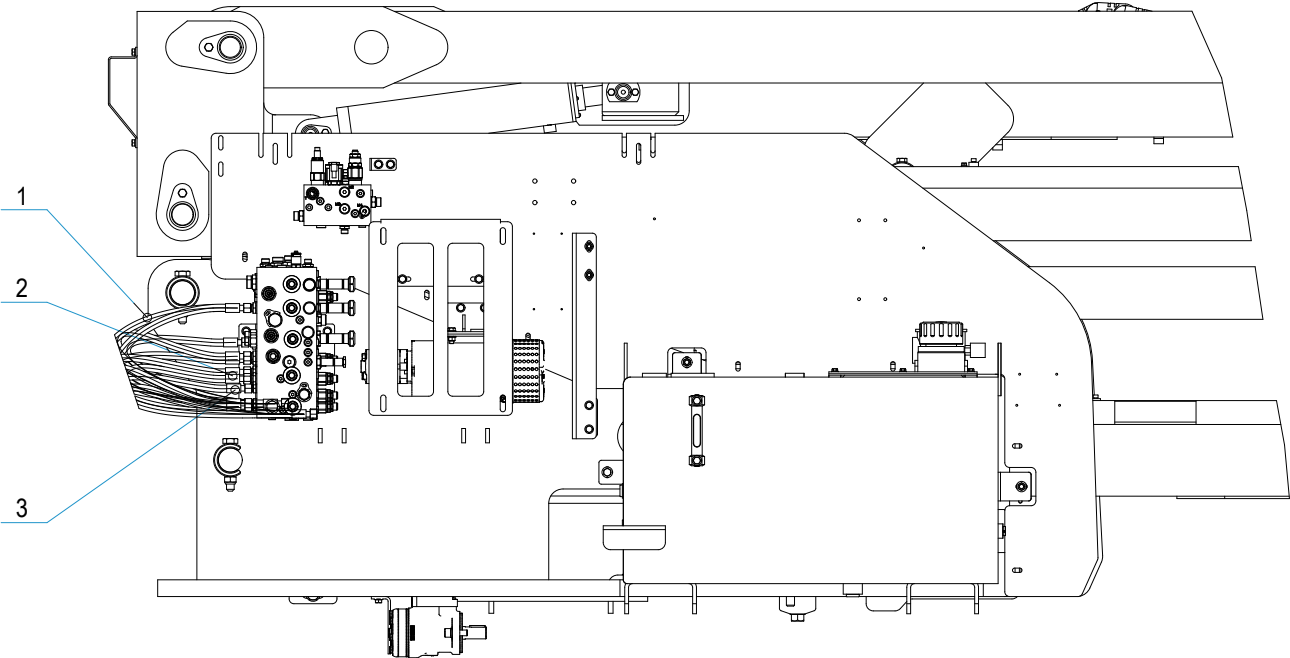
No.	Part No.	Qty.	Description
1	105001050011	1	Fitting
2	213010000198	1	Coupler
3	213050019007	1	Hose
4	213050008344	1	Hose
5	213010000067	1	Coupler
6	213010000041	1	Coupler
7	213050019006	1	Hose
8	213050019005	1	Hose

6.3.21 OPEN PUMP (PN.104030050183) TUBES LAYOUT



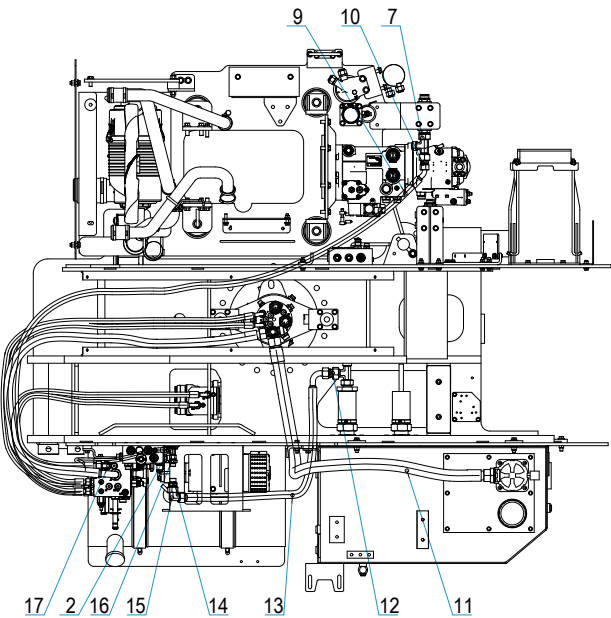
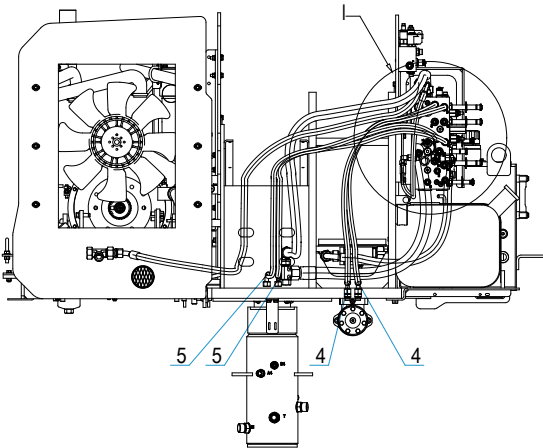
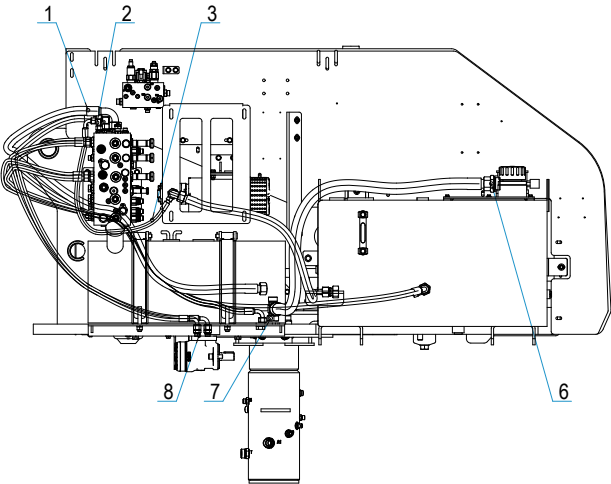
No.	Part No.	Qty.	Description
1	105001050011	1	Fitting
2	213010000198	1	Coupler
3	213050003392	1	
4	213050019008	1	Hose
5	213010000067	1	Coupler
6	213010000041	1	Coupler
7	213050019006	1	Hose
8	213050019005	1	Hose
9	213010000024	1	Coupler

6.3.22 BOOM TUBES LAYOUT



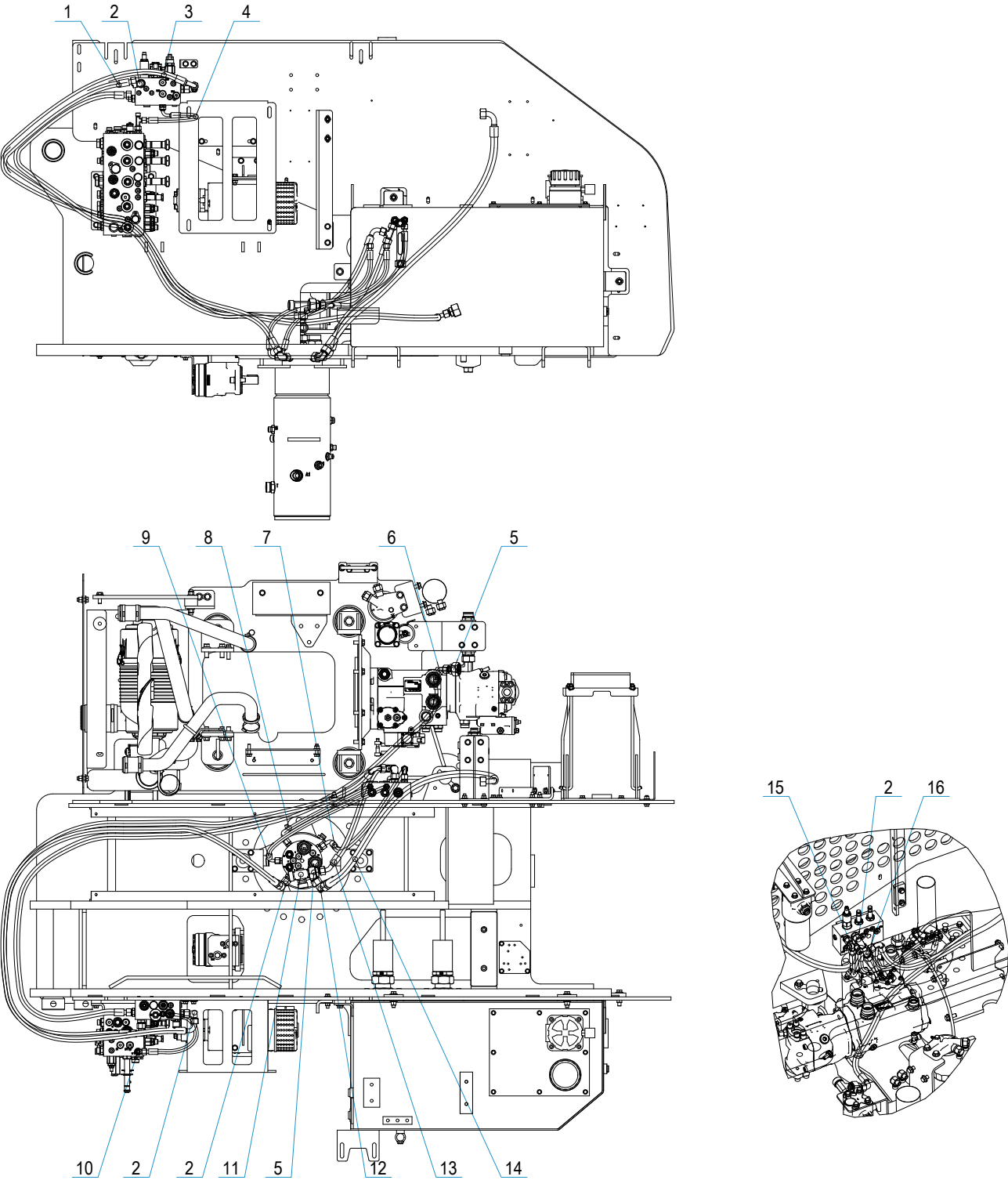
No.	Part No.	Qty.	Description
1	213050003830	1	Hose
2	213050000953	3	Hose
3	213050000372	6	Hose

6.3.23 PIPE LAYOUT DRAWING OF BOOM FUNCTION MANIFOLD



No.	Part No.	Qty.	Description
1	213050000247	1	Hose
2	213010000009	2	Coupler
3	213050000329	1	Hose
4	213050001600	2	Hose
5	213050003100	2	Hose
6	213010000128	1	Coupler
7	213010000043	2	Coupler
8	213010000005	2	Coupler
9	213050013992	1	Hose
10	213010000098	1	Coupler
11	213050019010	1	Hose
12	213010000104	1	Coupler
13	213050001302	1	Hose
14	213010000092	1	Coupler
15	213010000067	1	Coupler
16	213010000125	1	Fitting
17	213010000008	1	Coupler

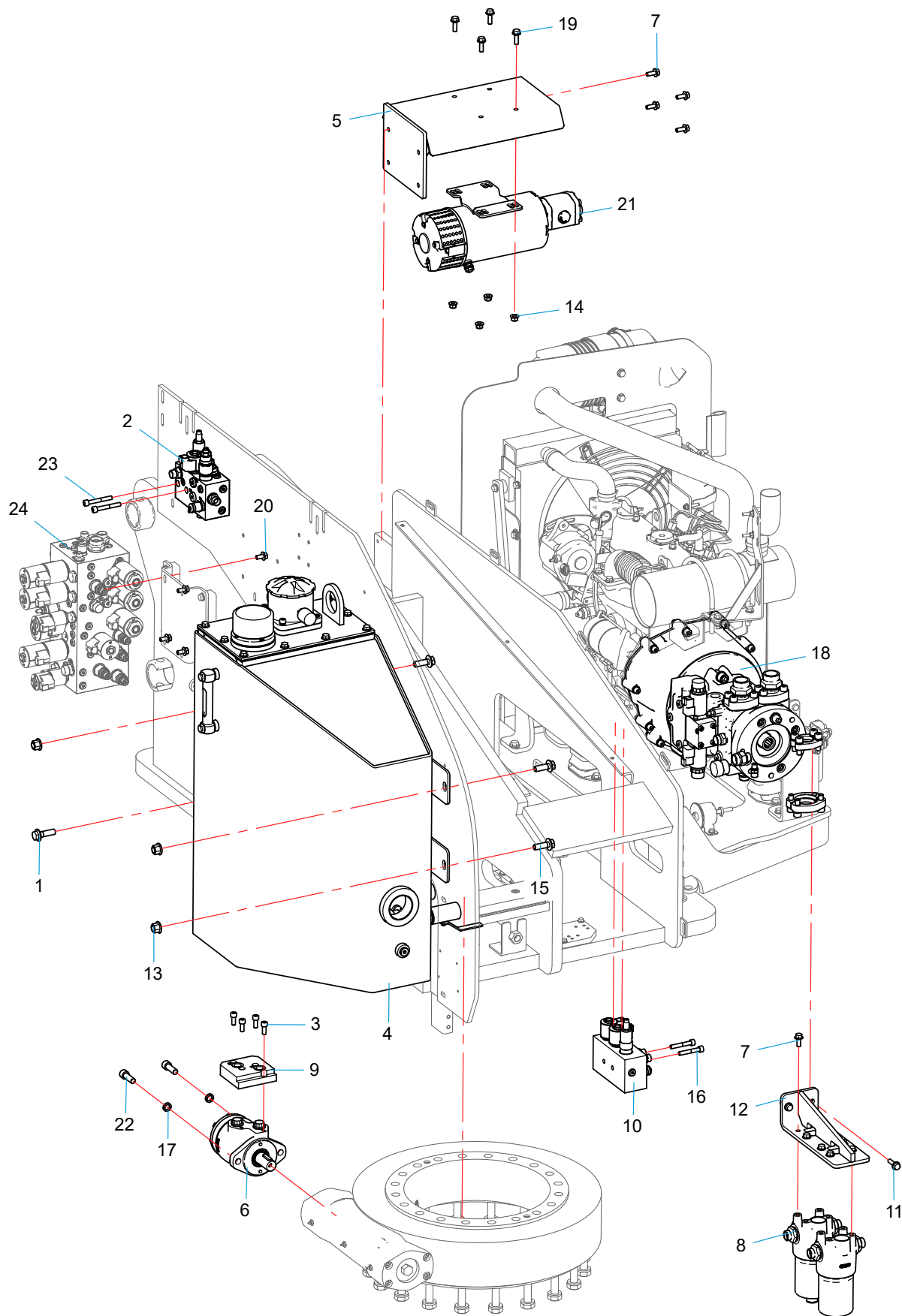
6.3.24 DUAL-SPEED BRAKE PIPING DIAGRAM



No.	Part No.	Qty.	Description
1	213050000233	1	Hose
2	213010000055	4	Coupler
3	213050017104	1	Hose
4	213050012441	1	Hose
5	213010000046	2	Coupler
6	213050000252	1	Hose
7	213050000203	1	Hose
8	213050001347	1	Hose
9	213050017105	1	Hose
10	213010000026	1	Coupler
11	213010000223	1	Coupler
12	213010000008	1	Coupler
13	213050000045	1	Hose
14	213050000565	1	Hose
15	213010000009	1	Coupler
16	213010000032	1	Coupler

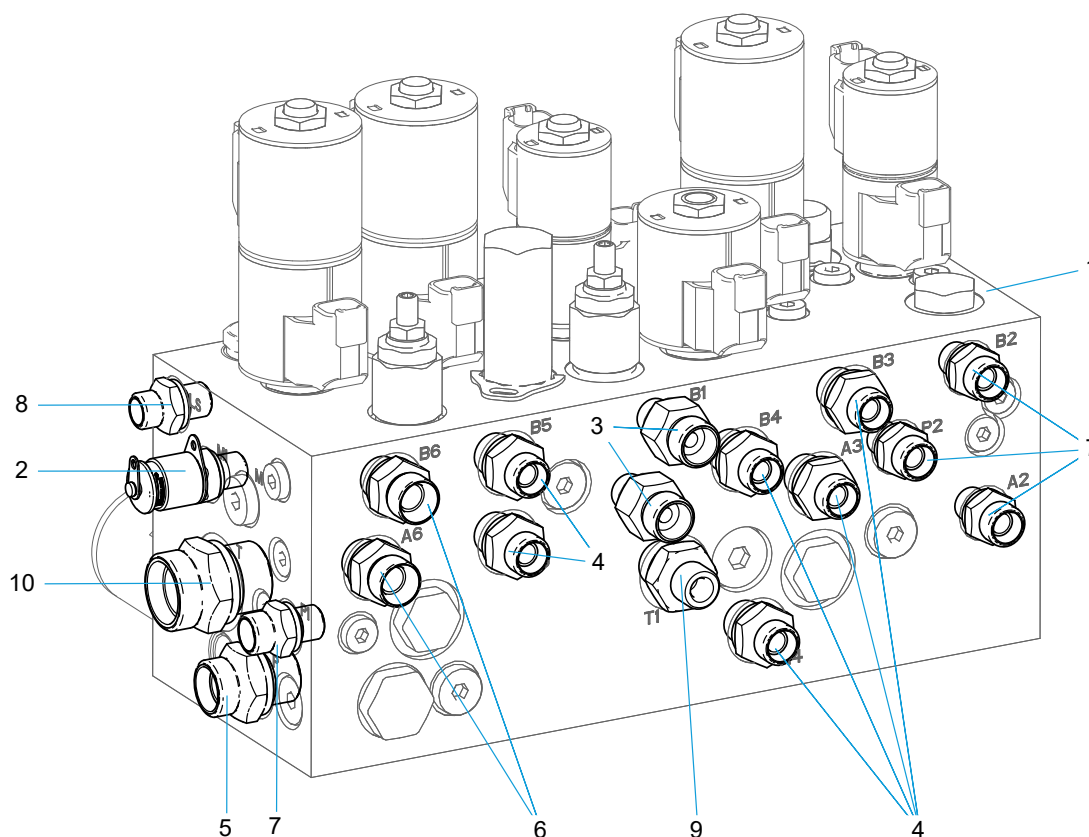
6.4 TURNTABLE HYDRAULIC SYSTEM(CONTINUOUS ROTATION- TURNTABLE LENGTH= 1.961 M)

6.4.1 TURNTABLE HYDRAULIC COMPONENTS INSTALLATION



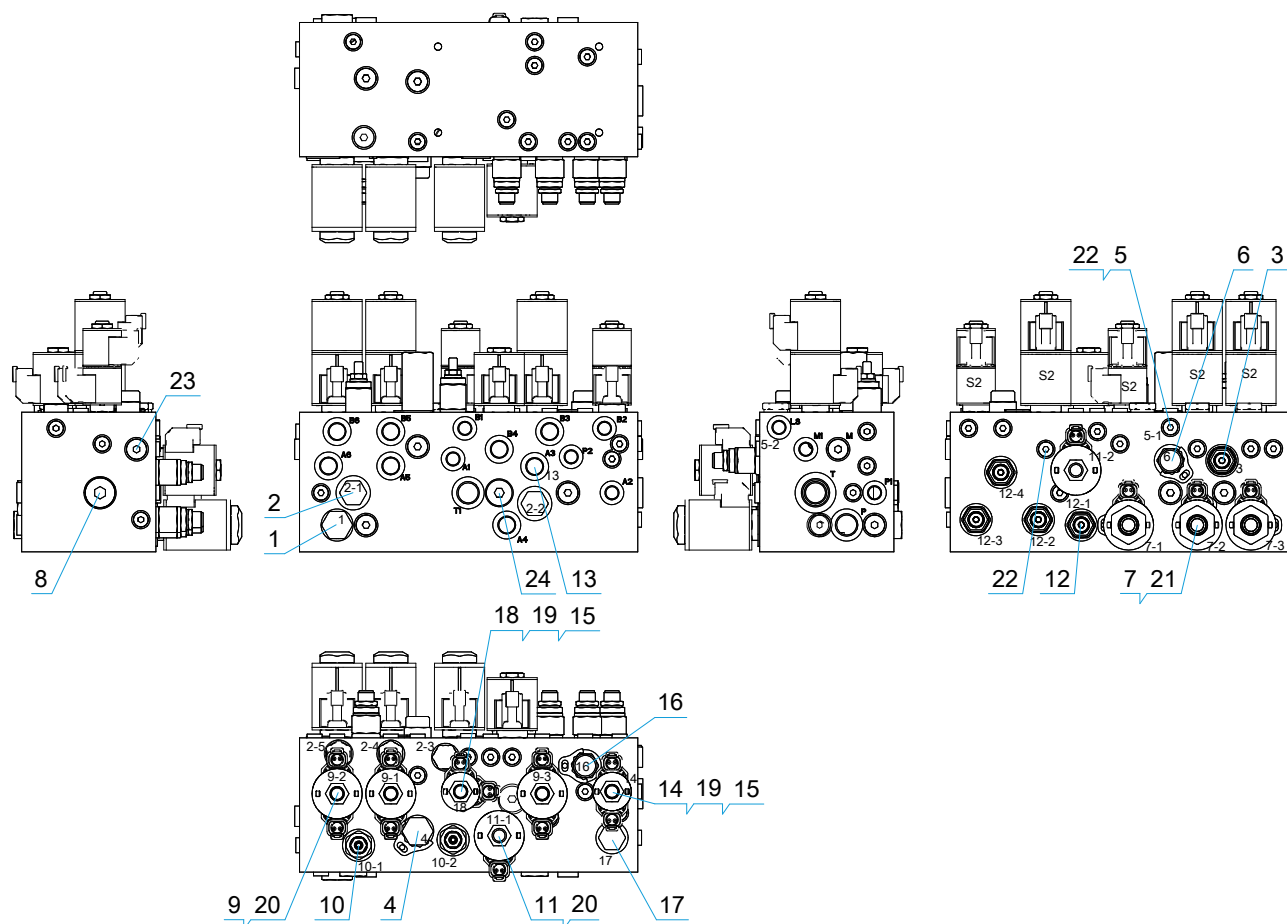
No.	Part No.	Qty.	Description
1	215010000244	1	Bolt M12×40-8.8 ZnD GB/T 5789
2	105084053141	1	Float Control Valve & Fittings Installation(See details)
3	215020000023	4	Screw M8×20-8.8-ZnD GB/T 70.1
4	104030050023		Hydraulic tank assembly option
10	105051053275	1	Brake/2-speed valve & fittings installation(SC: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

6.4.2 BOOM FUNCTION VALVE AND FITTINGS INSTALLATION



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

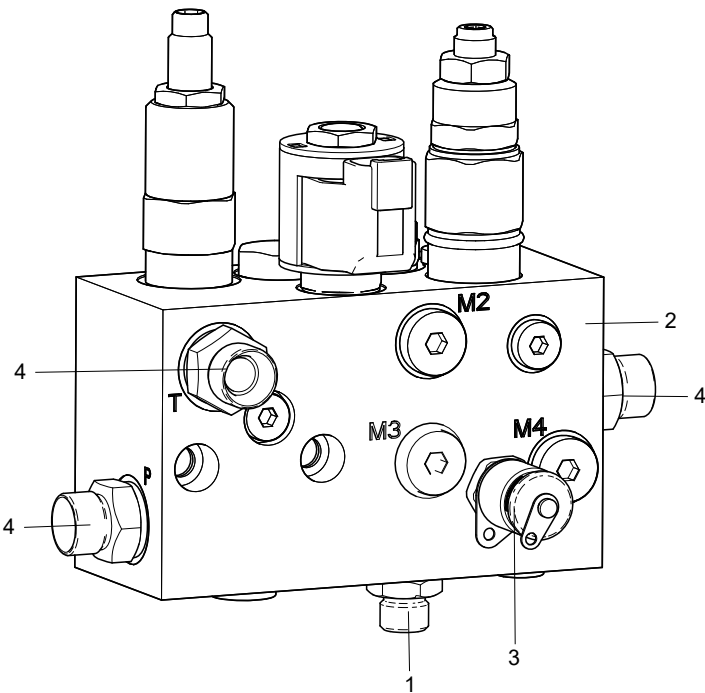
6.4.3 BOOM FUNCTION MANIFOLD (PN.202040003817)



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

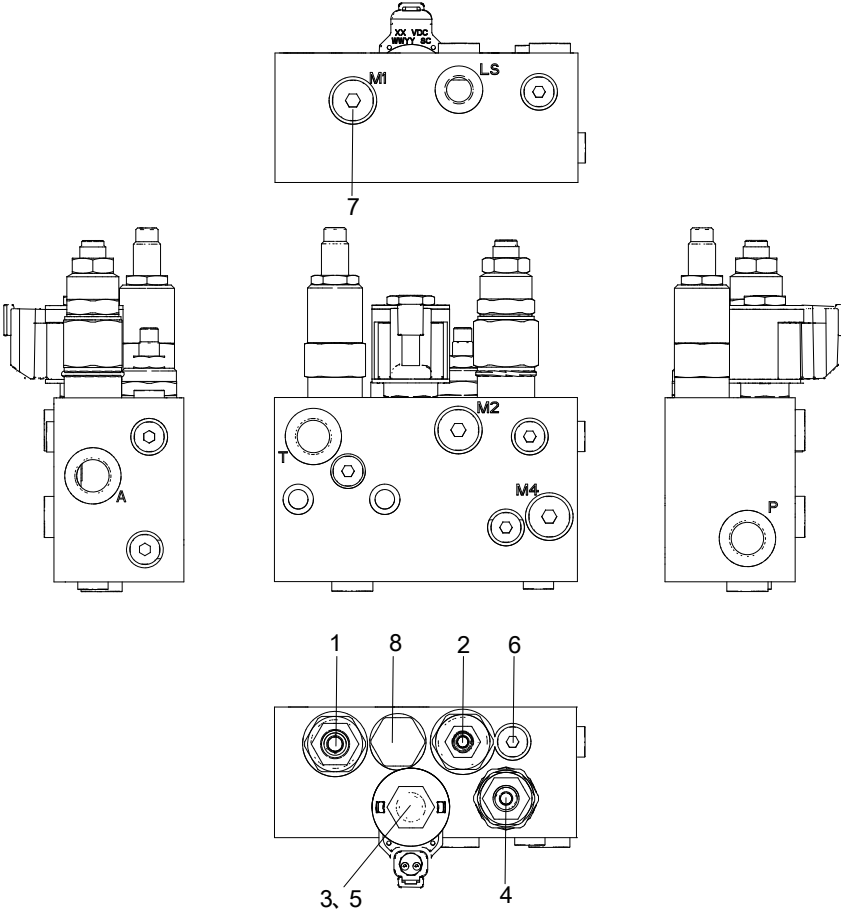
No.	Part No.	Qty.	Description
19	202040003153	4	Coil
20	202990003712	8	Coil
21	202990003714	3	Coil

6.4.4 OSCILLATE CONTROL VALVE (SC : 1001078) AND FITTINGS
INSTALLATION



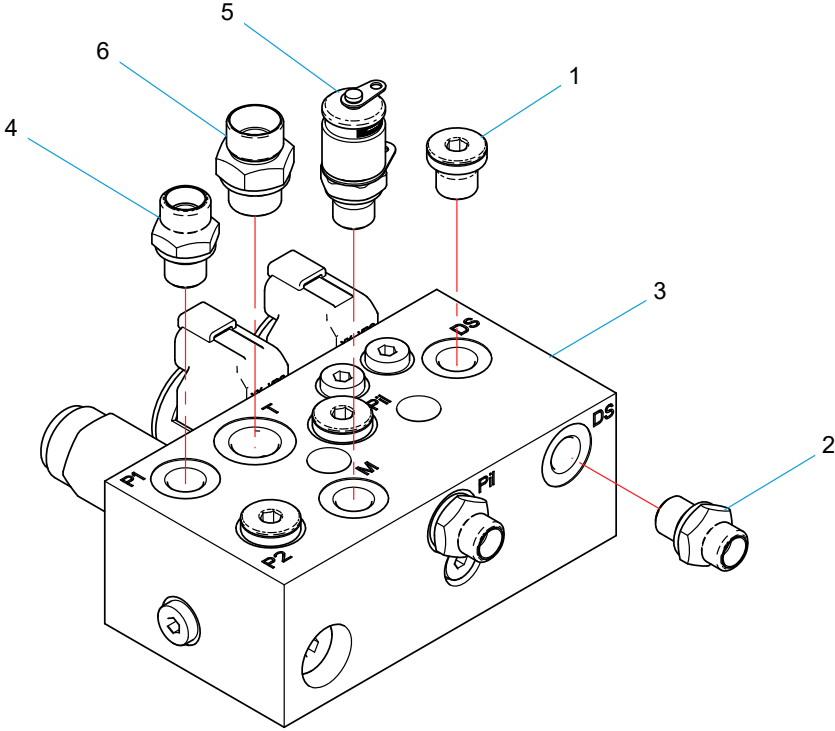
No.	Part No.	Qty.	Description
1	213010000007	1	Fitting
2	202040003521	1	Oscillate control valve
3	213010000010	1	Coupler
4	213010000005	3	Coupler

6.4.5 OSCILLATE CONTROL VALVE (PN.202040003521)



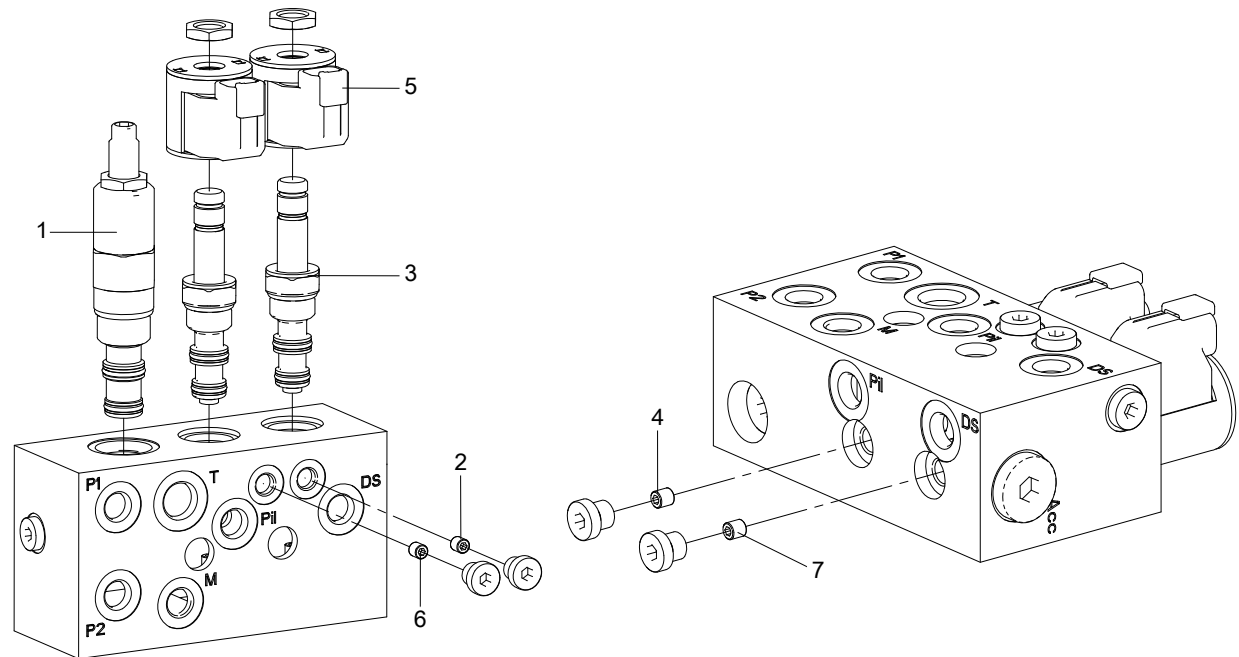
No.	Part No.	Qty.	Description
1	202040003345	1	Pressure reducing valve
2	202040003353	1	Flow valve
3	202040003351	1	Solenoid valve
4	202040003346	1	Hydraulic controlled valve
5	202990000037	1	Coil
6	202130003003	1	Damper
7	202990003192	1	High pressure piece
8	202990003071	1	Check valve

6.4.6 BRAKE/2-SPEED CONTROL VALVE AND FITTINGS INSTALLATION
(PN.105051053275)



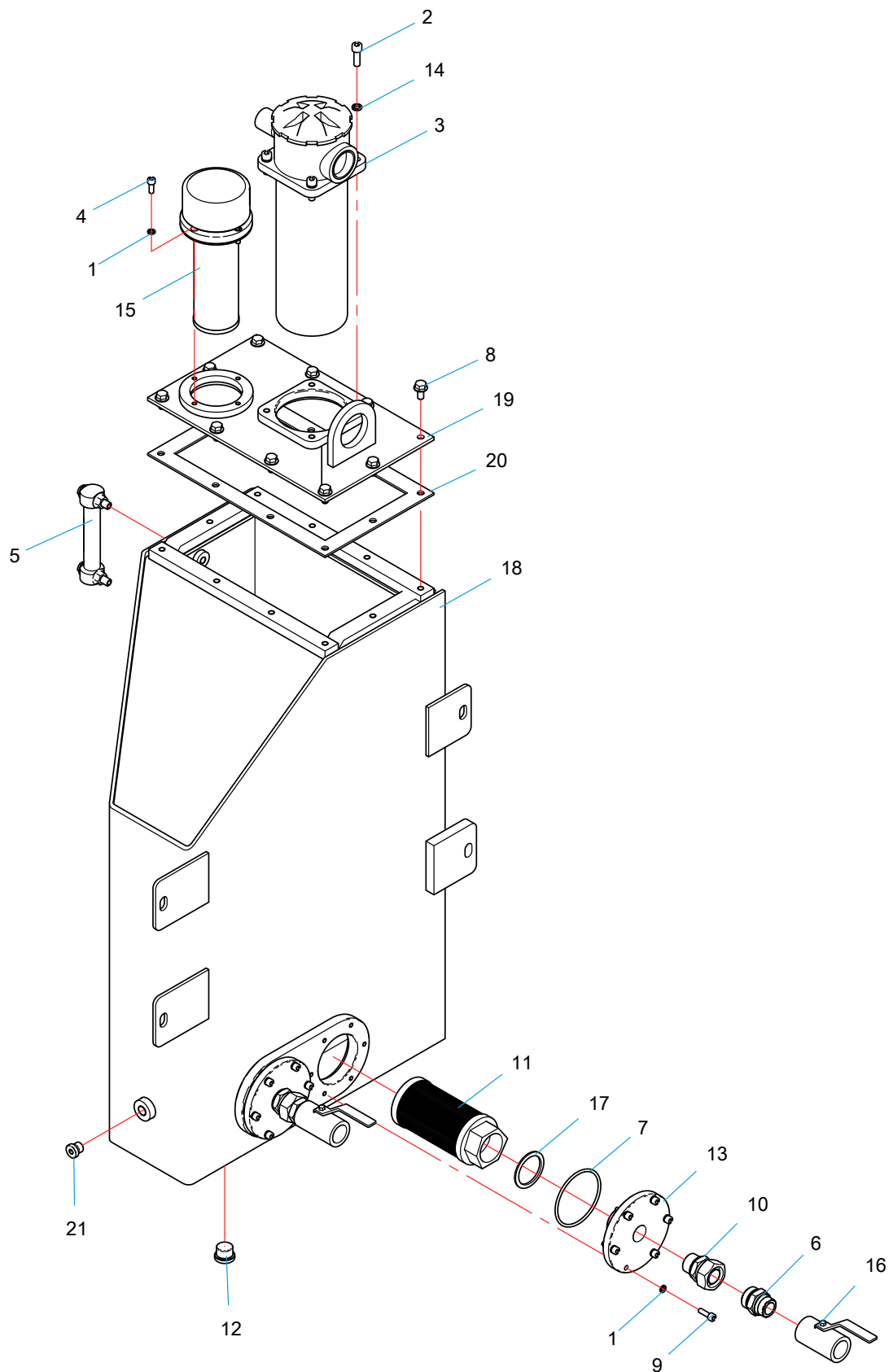
No.	Part No.	Qty.	Description
1	213060000003	3	Plug
2	213010000007	2	Fitting
3	202040000006	1	Brake Dual-speed Control Valve (12V)
4	213010000012	1	Coupler
5	213010000010	1	Coupler
6	213010000005	1	Coupler

6.4.7 DUAL-SPEED BRAKE CONTROL VALVE (12V)(PN.202040000006)



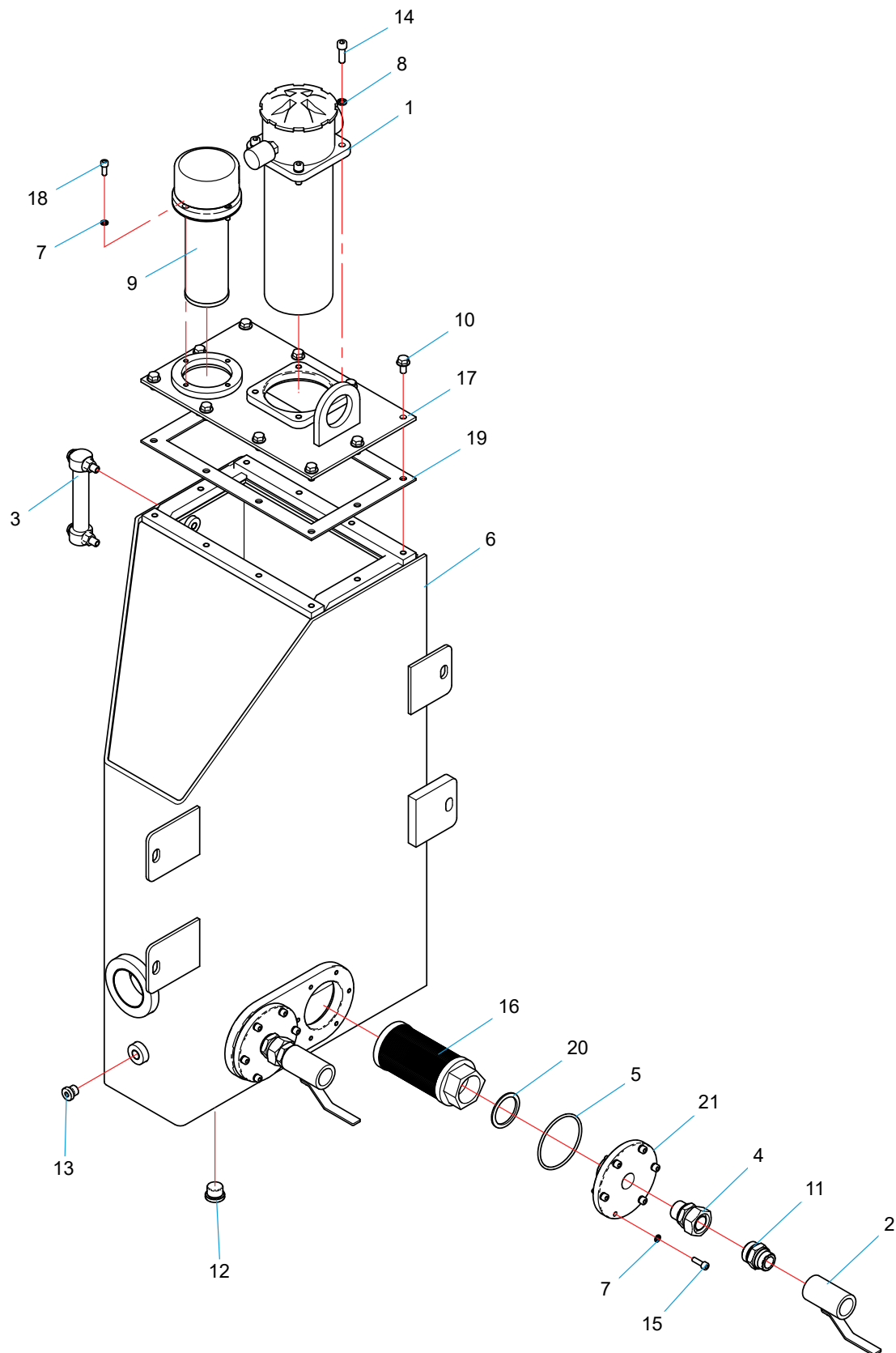
No.	Part No.	Qty.	Description
1	202990003103	1	Relief valve
2	202130000008	1	Damper plug
3	202990003158	2	Solenoid valve
4	202130000004	1	Plug
5	2029900000037	2	Coil
6	202130003015	1	Damper
7	2021300000001	1	Damper

6.4.8 HYDRAULIC TANK ASSEMBLY (PN.104009020149)



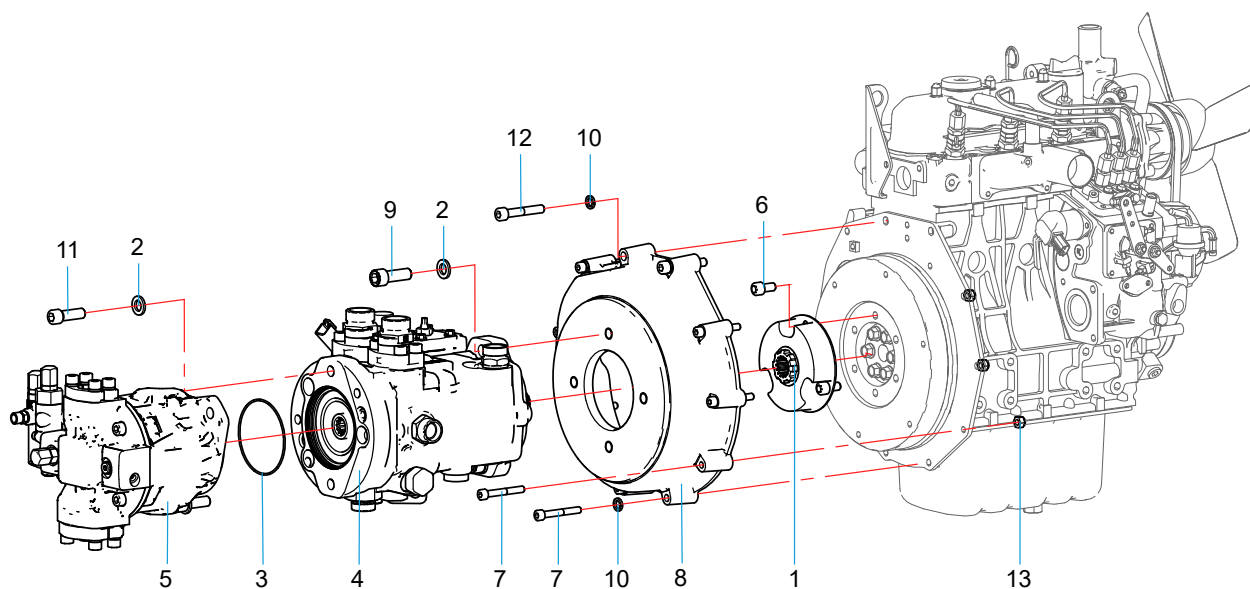
No.	Part No.	Qty.	Description
1	215040000004	16	Washer 6-A2-70 GB/T 93
2	215020000024	4	Screw M8×25-8.8-ZnD GB/T 70.1
3	202080000007	1	Oil return filter
3a	202080000014	1	Return filter element
4	215020000011	4	Screw M6×16-A2-70 GB/T 70.1
5	202120000005	1	Level gauge
6	105001050027	2	Fitting, non-standard
7	207040000020	2	O ring 77.5×3.55 GB/T 3452.1
8	215010000286	10	Bolt M8×16-8.8-ZnD GB/T 5789
9	215020000012	12	Screw M6×20-A2-70 GB/T 70.1
10	213010000123	2	Fitting
11	202080000006	2	Suction filter
12	213060000004	1	Plug
13	104009020135	2	Flange
14	215040000005	4	Washer 8-ZnD GB/T 93
15	202070003014	1	Air filter
15a	202070003015	1	Filter element
16	202040000049	2	Ball valve
17	207060000005	2	Combined sealing ring
18	104009020134	1	Hydraulic tank
19	104009020145	1	Fuel tank plate
20	104009020151	1	Rubber plate
21	213060000010	1	Plug

6.4.9 HYDRAULIC TANK ASSEMBLY (PN.104030050024)



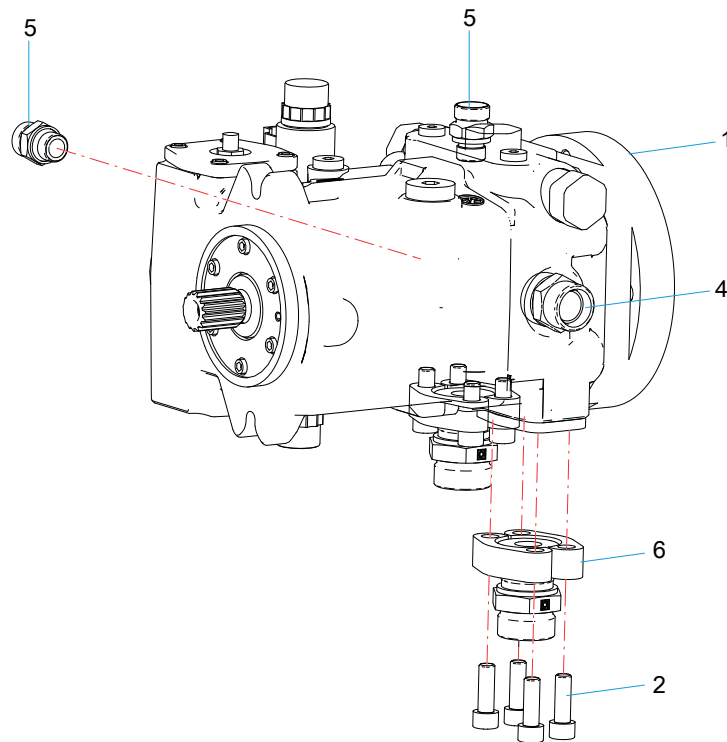
No.	Part No.	Qty.	Description
1	202080000007	1	Oil return filter
1a	202080000014	1	Return filter element
2	202040000049	2	Ball valve
3	202120000005	1	Level gauge
4	213010000123	2	Fitting
5	207040000020	2	O ring 77.5×3.55 GB/T 3452.1
6	104030050025	1	Hydraulic tank
7	215040000004	16	Washer 6-A2-70 GB/T 93
8	215040000005	4	Washer 8-ZnD GB/T 93
9	202070003014	1	Air filter
9a	202070003015	1	Filter element
10	215010000286	10	Bolt M8×16-8.8-ZnD GB/T 5789
11	105001050027	2	Fitting, non-standard
12	213060000004	1	Plug
13	213060000010	1	Plug
14	215020000024	4	Screw M8×25-8.8-ZnD GB/T 70.1
15	215020000012	12	Screw M6×20-A2-70 GB/T 70.1
16	202080000006	2	Suction filter
17	104009020145	1	Fuel tank plate
18	215020000011	4	Screw M6×16-A2-70 GB/T 70.1
19	104009020151	1	Rubber plate
20	207060000005	2	Combined sealing ring
21	104009020135	2	Flange

6.4.10 KUBOTA OIL PUMP TRANSMISSION



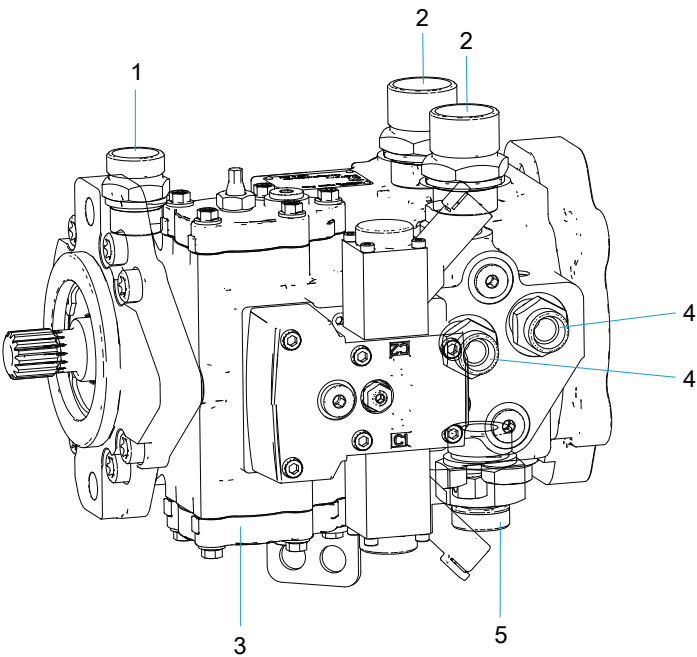
No.	Part No.	Qty.	Description
1	204040003010	1	Shaft coupling
2	215040000051	4	Washer 12-DKL GB/T 1230
3	207040000060	1	O-ring
4	105051053288		Options, Closed-circuit pump & fittings installation
4-1	105051053290	1	Closed-circuit pump & fittings installation(SC: 1000054)
4-2	105051053301	1	Closed-circuit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

6.4.11 CLOSED PUMP (PN.105051053290)



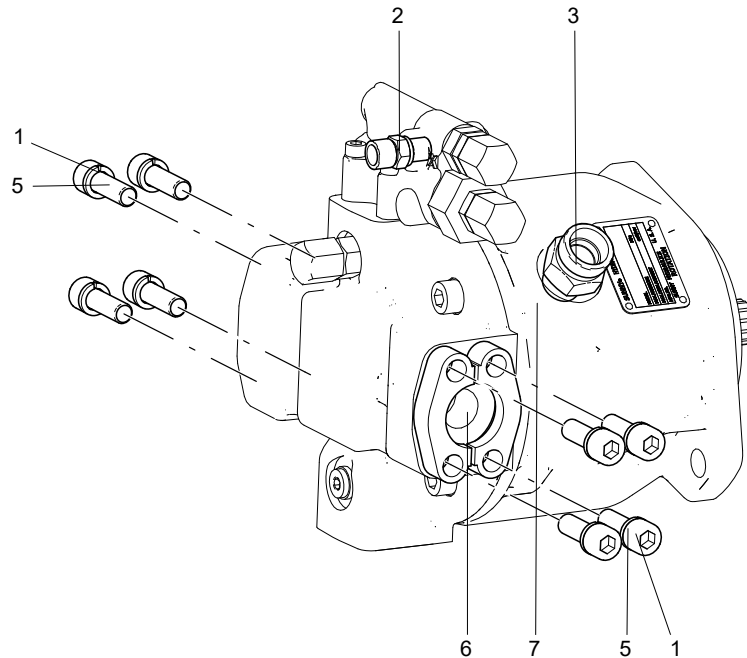
No.	Part No.	Qty.	Description
1	202010000045	1	Closed-circuit variable pump
1a	207990003106	1	Seal kit,Closed-circuit pump
2	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
3	213010000168	1	Coupler
4	213010000103	1	Coupler
5	213010000108	2	Coupler
6	213030000018	2	Flange

6.4.12 CLOSED PUMP AND FITTINGS INSTALLATION (PN.105051053301)



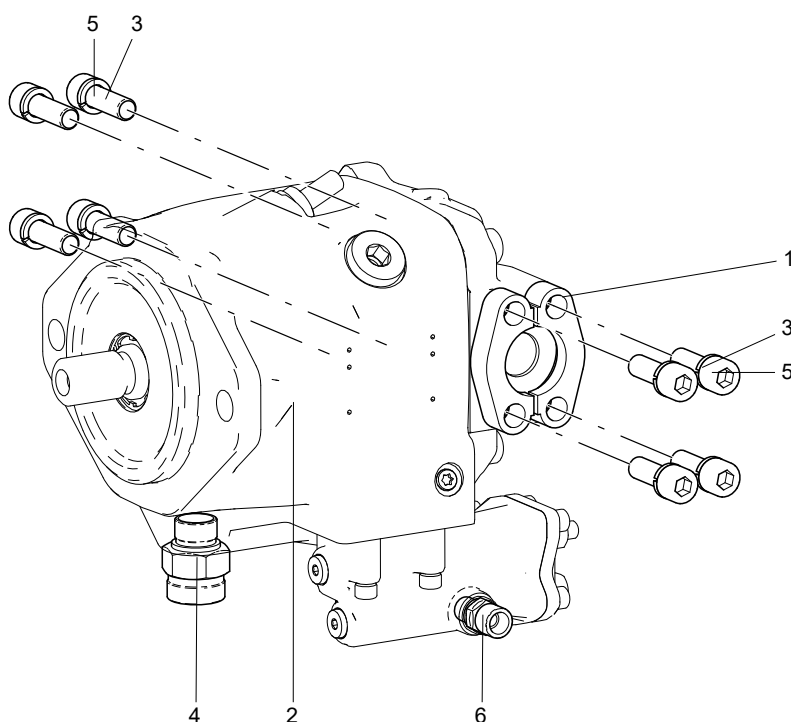
No.	Part No.	Qty.	Description
1	213010000029	1	Coupler
2	213010000027	2	Coupler
3	202010000054	1	Closed-circuit variable pump
3a	207990003118	1	Seal kit, closed-circuit pump(Not shown)
4	213010000162	2	Coupler
5	213010003017	1	Coupler

6.4.13 OPEN-CIRCUIT PUMP (SC: 1000054) AND FITTINGS INSTALLATION



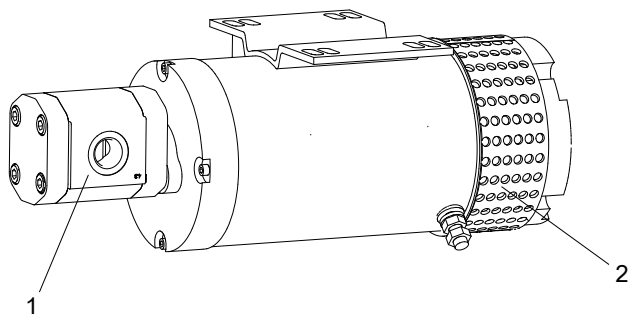
No.	Part No.	Qty.	Description
1	215040000006	8	Washer 10-ZnD GB/T 93
2	213010000013	1	Coupler
3	213010000213	1	Coupler
4	213030000002	1	Flange
5	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
6	213030000007	1	Flange
7	202010000048	1	Plunger variable pump
7a	207990003946	1	Seal kit, open-circuit pump

6.4.14 OPEN-CIRCUIT PUMP (SC: 1000857) AND FITTINGS INSTALLATION



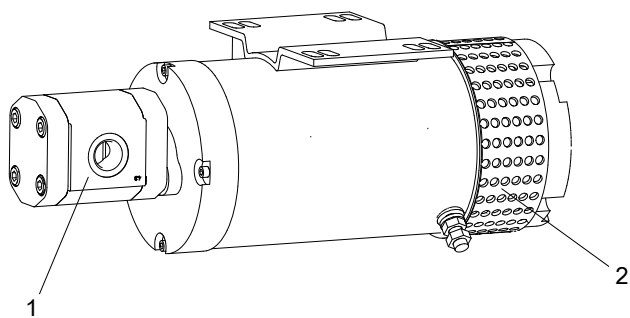
No.	Part No.	Qty.	Description
1	213030000007	1	Flange
2	202010003140	1	Open-circuit pump
2a	207990003982	1	Seal kit, Open-circuit pump
3	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
4	213010000213	1	Coupler
5	215040000006	8	Washer 10-ZnD GB/T 93
6	213010000013	1	Coupler
7	213030000002	1	Flange(Not shown)

6.4.15 POWER UNIT(PN.202010000041)



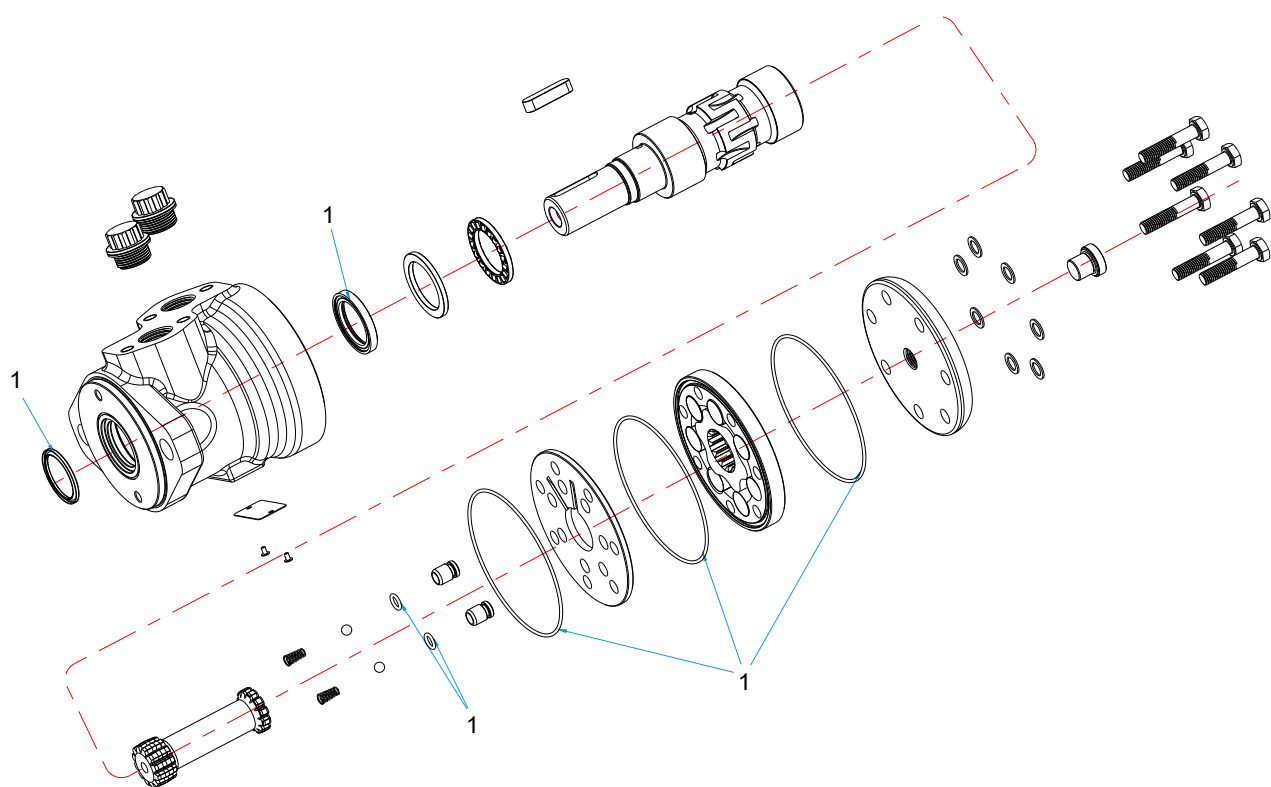
No.	Part No.	Qty.	Description
1	202010003073	1	Gear pump
1a	207990003107	1	Seal kit, gear pump
2	203010003058	1	DC motor

6.4.16 POWER UNIT (PN.202010003090)



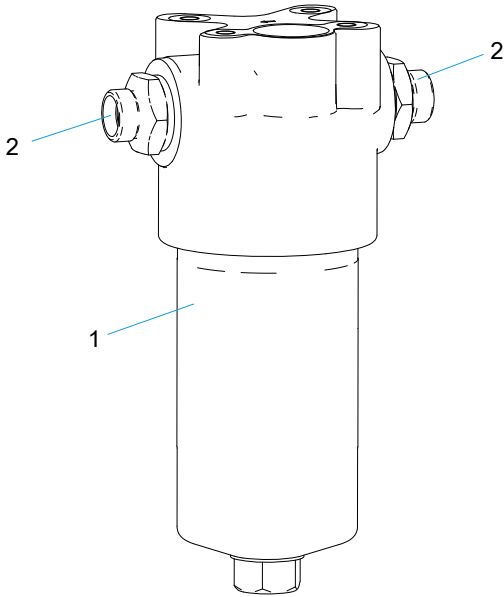
No.	Part No.	Qty.	Description
1	202010003073	1	Gear pump
1a	207990003107	1	Seal kit, gear pump
2	203010003058	1	DC motor

6.4.17 CYCLOID MOTOR (PN.202020003090)



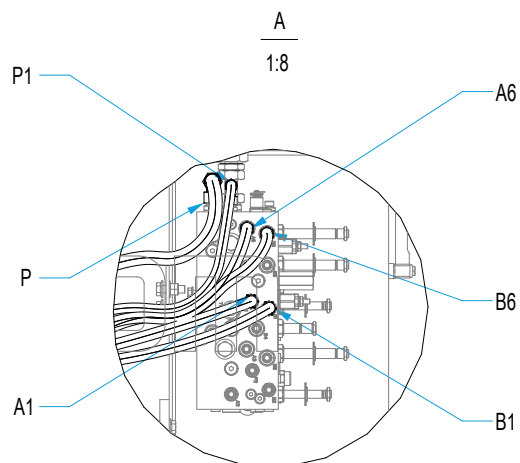
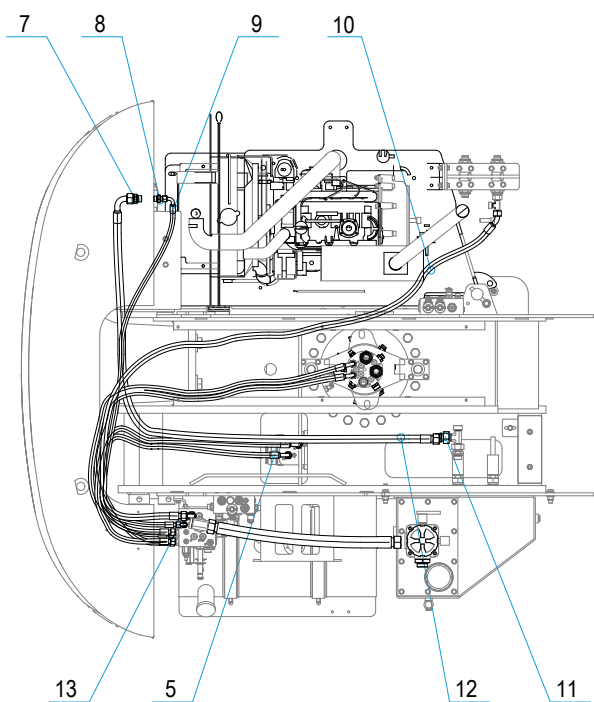
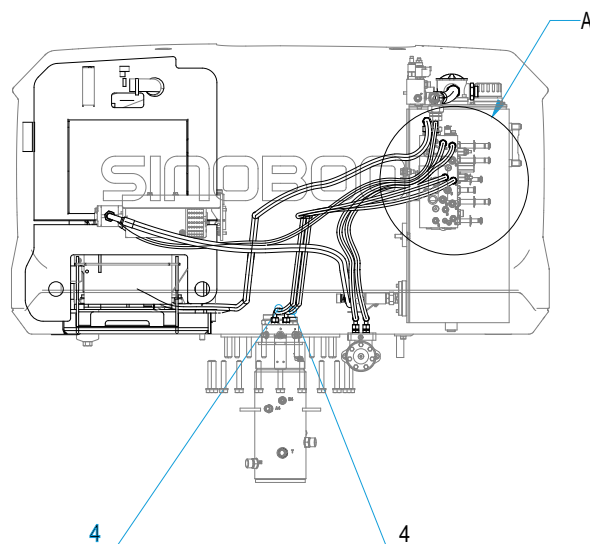
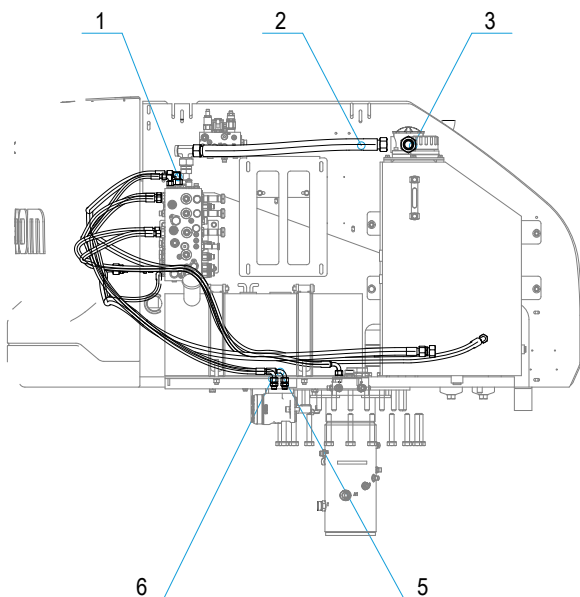
No.	Part No.	Qty.	Description
1	202990003346	1	Seal kit, Cycloid motor

6.4.18 HIGH PRESSURE FILTER OPTIONS



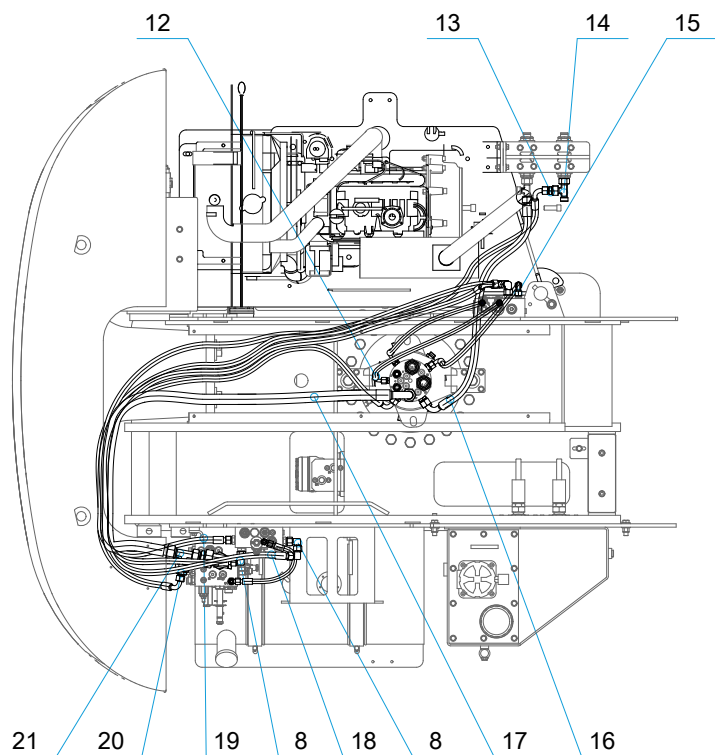
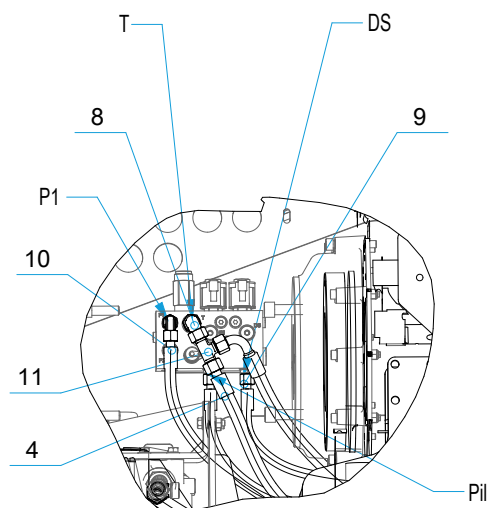
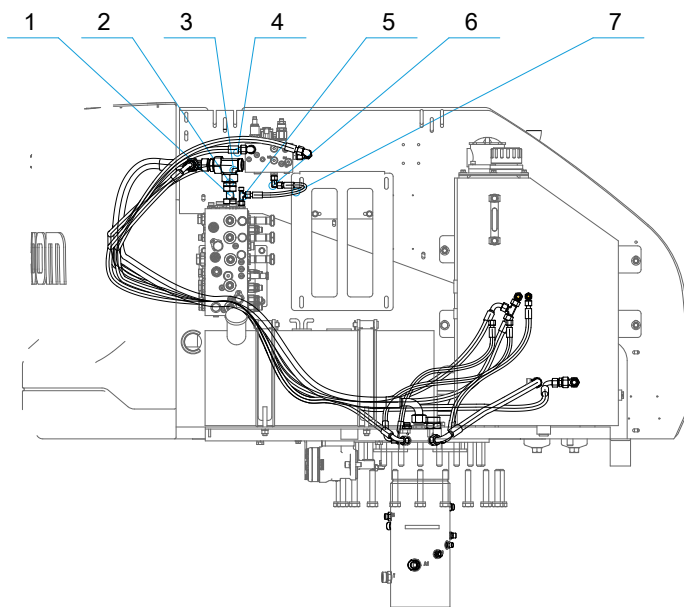
No.	Part No.	Qty.	Description
	103011053052		Filter & fittings installation options
1-1	202080003017	1	High pressure filter(1000181)
1-1a	202080003018	1	Filter element
1-2	202080000046	1	High pressure filter(1000060)
1-2a	202080000048	1	Filter element
2	213010000014	2	Coupler

6.4.19 PIPE LAYOUT DRAWING OF BOOM FUNCTION MANIFOLD



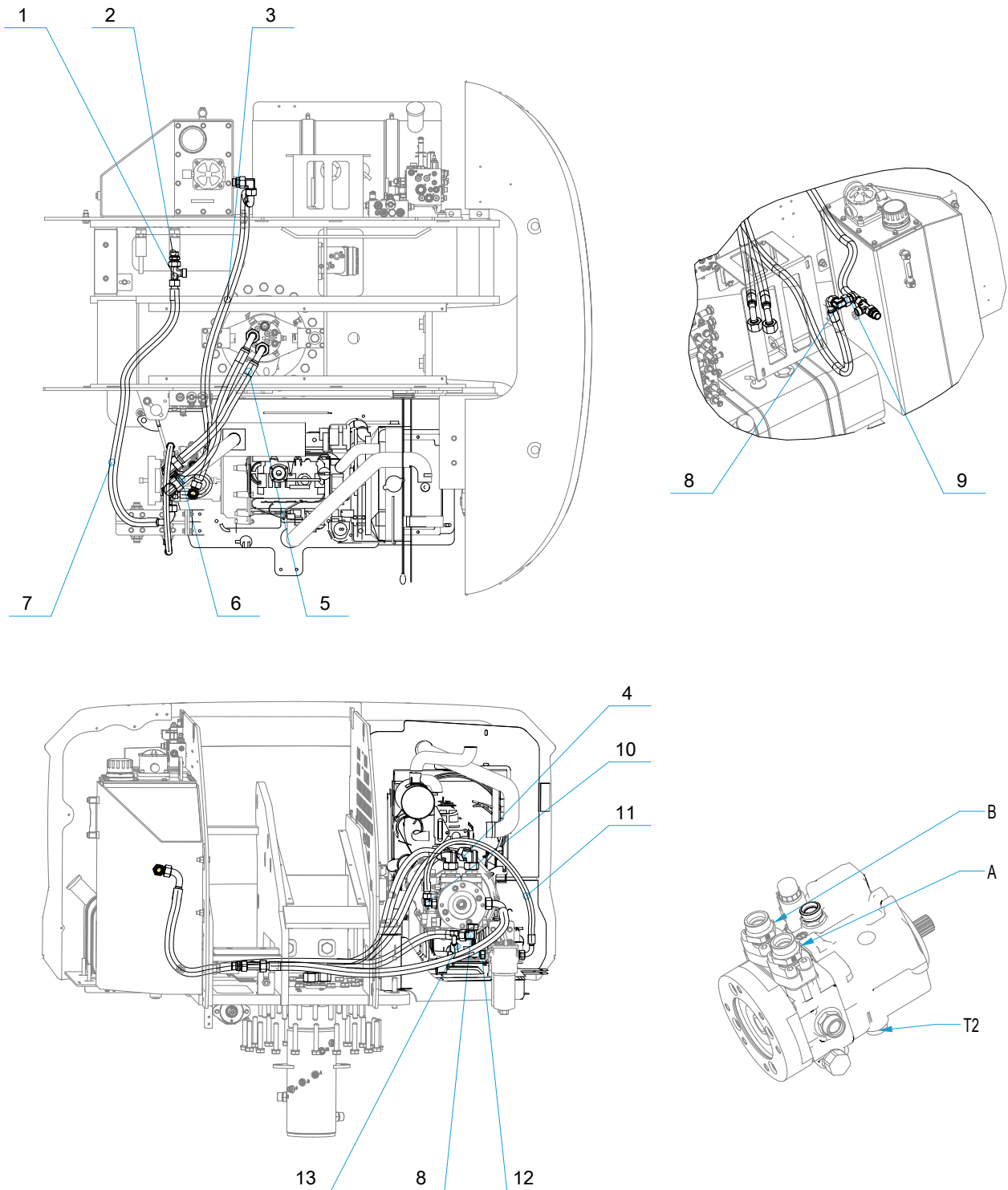
No.	Part No.	Qty.	Description
1	213010000008	1	Coupler
2	213050000775	1	Hose
3	213010000128	1	Coupler
4	213050003100	2	Hose
5	213050001600	2	Hose
6	213010000005	2	Coupler
7	213010000092	1	Coupler
8	213010000125	1	Fitting
9	213050001482	1	Hose
10	213050013992	1	Hose
11	213010000104	1	Coupler
12	213050012438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

6.4.20 DUAL-SPEED BRAKE PIPING DIAGRAM



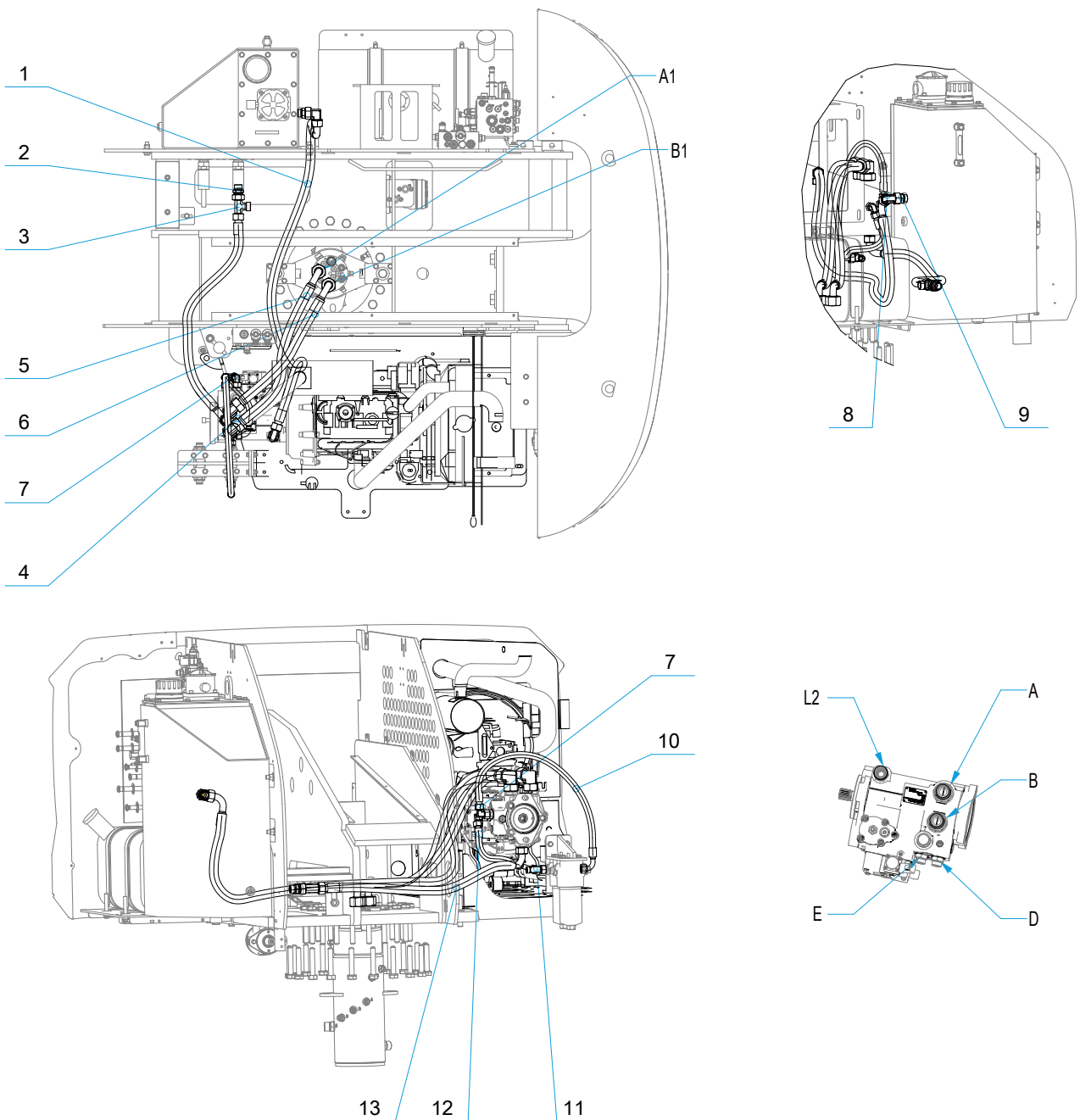
No.	Part No.	Qty.	Description
1	213010000134	1	Coupler
2	213010000034	2	Coupler
3	213010000130	1	Coupler
4	213050000233	2	Hose
5	213010000026	1	Coupler
6	213010000024	1	Coupler
7	213050008467	1	Hose
8	213010000055	4	Coupler
9	213050017106	1	Hose
10	213050000203	1	Hose
11	213010000032	1	Coupler
12	213050017105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

6.4.21 CLOSED PUMP (PN.202010000045) TUBES LAYOUT



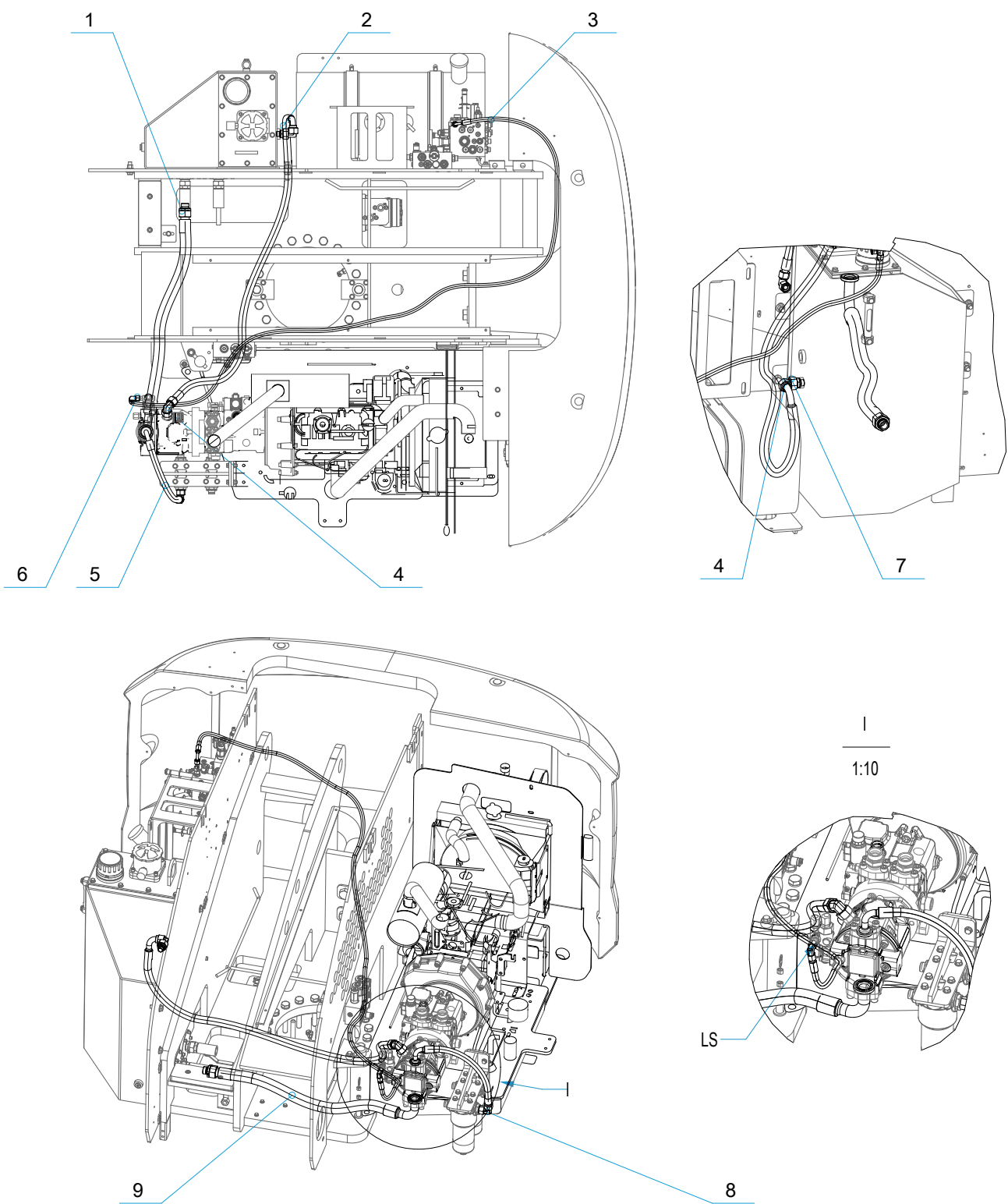
No.	Part No.	Qty.	Description
1	213010000043	1	Coupler
2	213010000045	1	Coupler
3	213050000279	1	Hose
4	213010000022	2	Coupler
5	213050017100	1	Hose
6	213050017101	1	Hose
7	213050000696	1	Hose
8	213010000041	2	Coupler
9	213010000037	1	Coupler
10	213010000008	1	Coupler
11	213050000575	1	Hose
12	213010000078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

6.4.22 CLOSED PUMP (PN.202010000054) TUBES LAYOUT



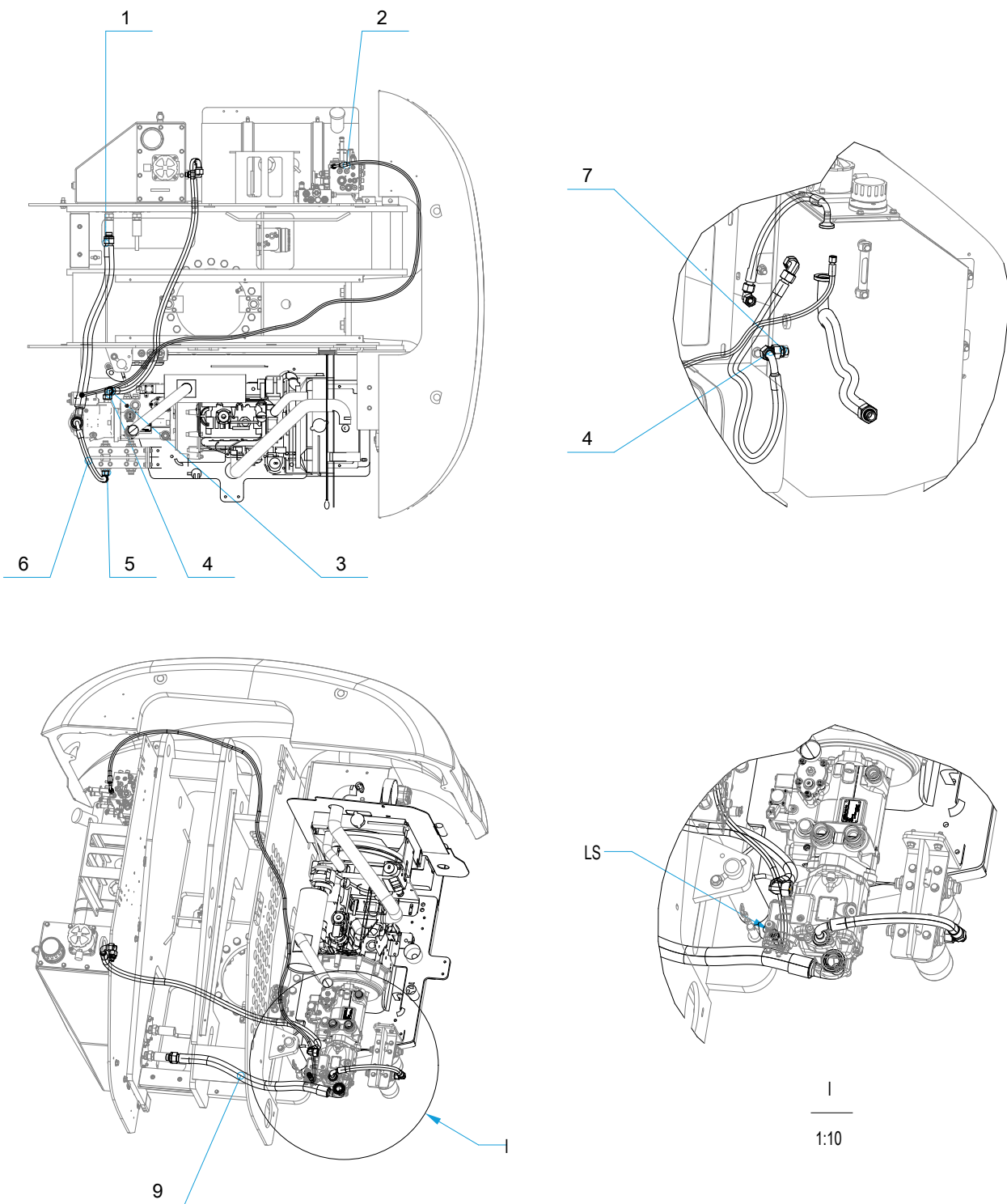
No.	Part No.	Qty.	Description
1	213050000854	1	Hose
2	213010000045	1	Coupler
3	213010000043	1	Coupler
4	213010000022	2	Coupler
5	213050017101	1	Hose
6	213050017100	1	Hose
7	213010000008	2	Coupler
8	213010000041	2	Coupler
9	213010000037	1	Coupler
10	213050000575	1	Hose
11	213010000078	1	Coupler
12	213050017102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

6.4.23 OPEN PUMP (PN.202010000048) TUBES LAYOUT



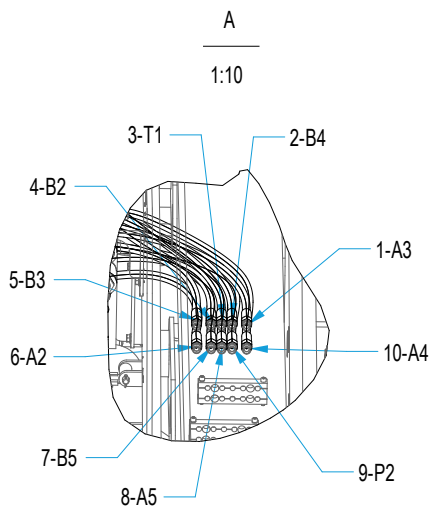
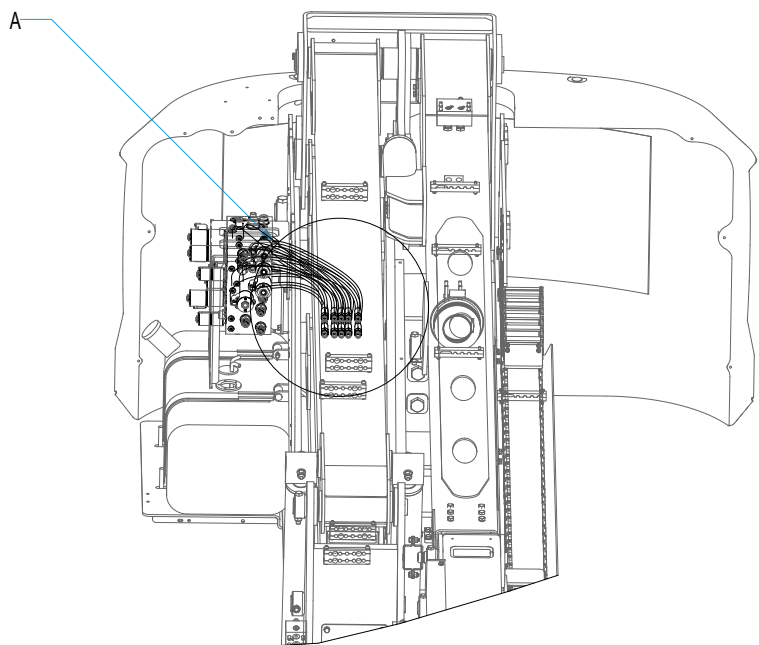
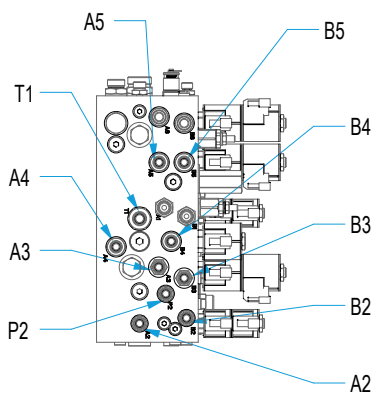
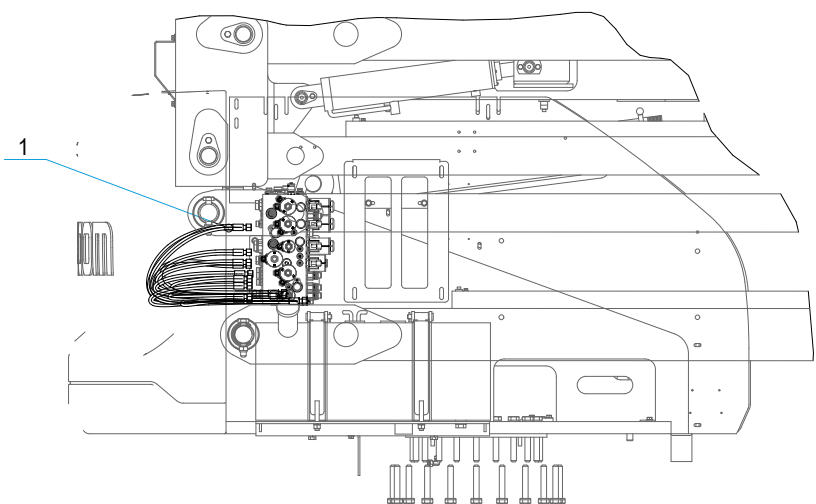
No.	Part No.	Qty.	Description
1	213010000143	1	Coupler
2	213050000836	1	Hose
3	213050008344	1	Hose
4	213010000067	2	Coupler
5	213050015433	1	Hose
6	213010000024	1	Coupler
7	213010000198	1	Coupler
8	213010000008	1	Coupler
9	213050016082	1	Hose

6.4.24 OPEN PUMP (PN.202010003140) TUBES LAYOUT



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

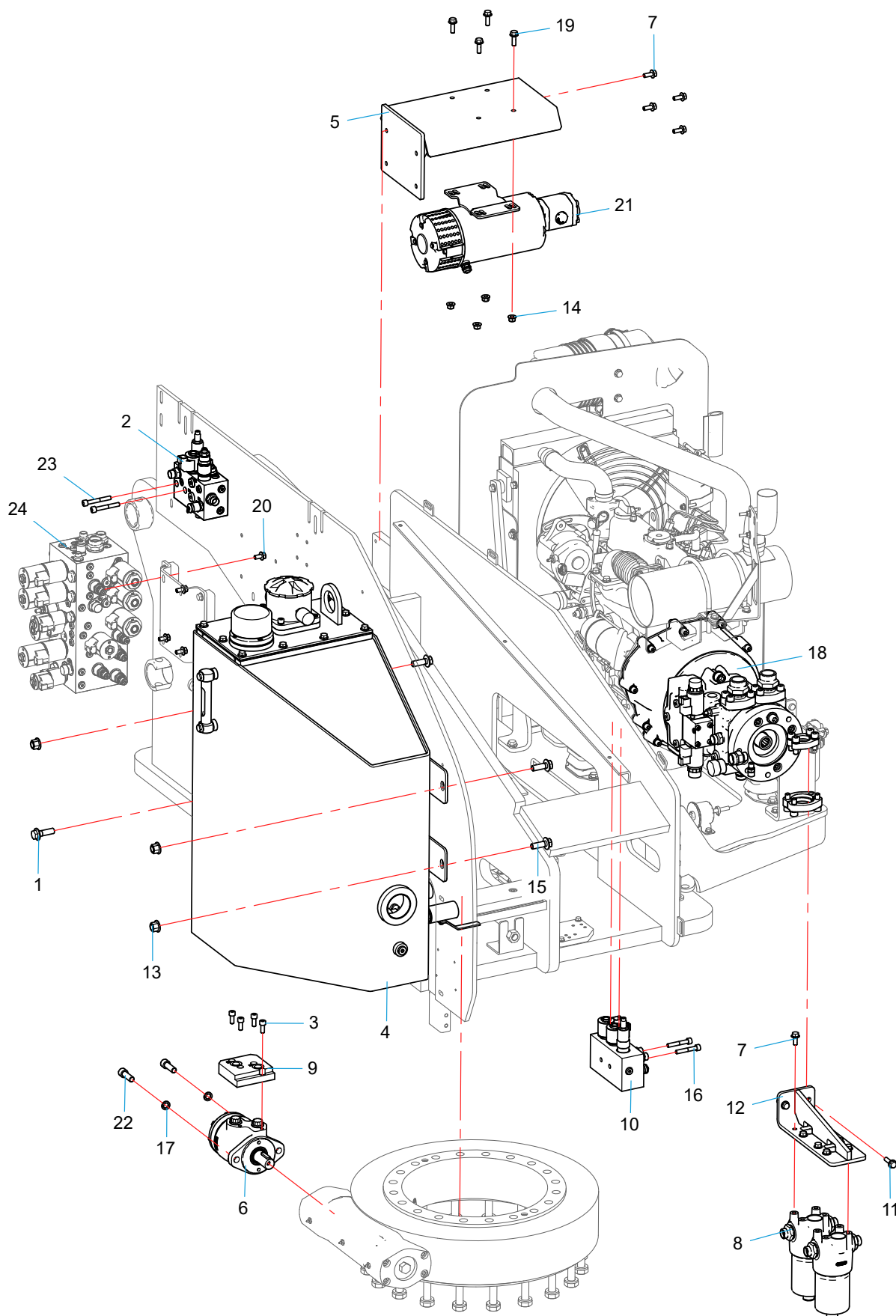
6.4.25 BOOM TUBES LAYOUT



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

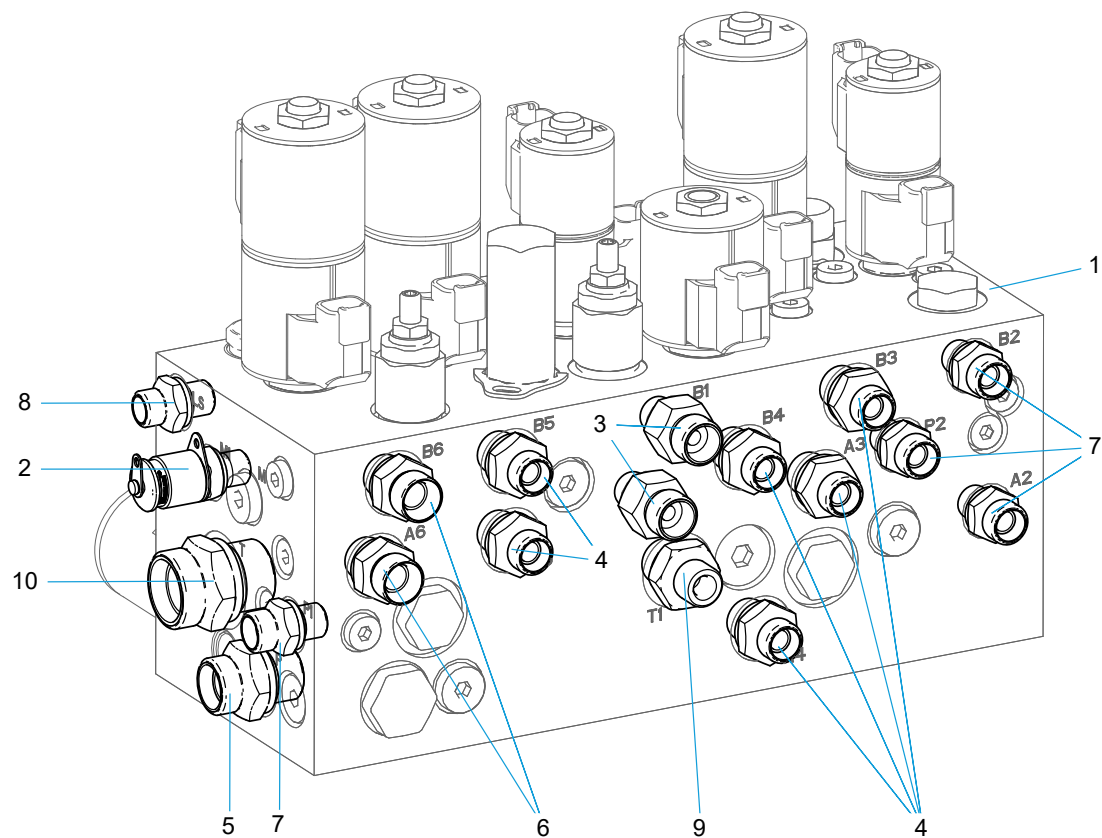
6.5 TURNTABLE HYDRAULIC SYSTEM (NON-CONTINUOUS ROTATION CONFIG)

6.5.1 TURNTABLE HYDRAULIC COMPONENTS INSTALLATION



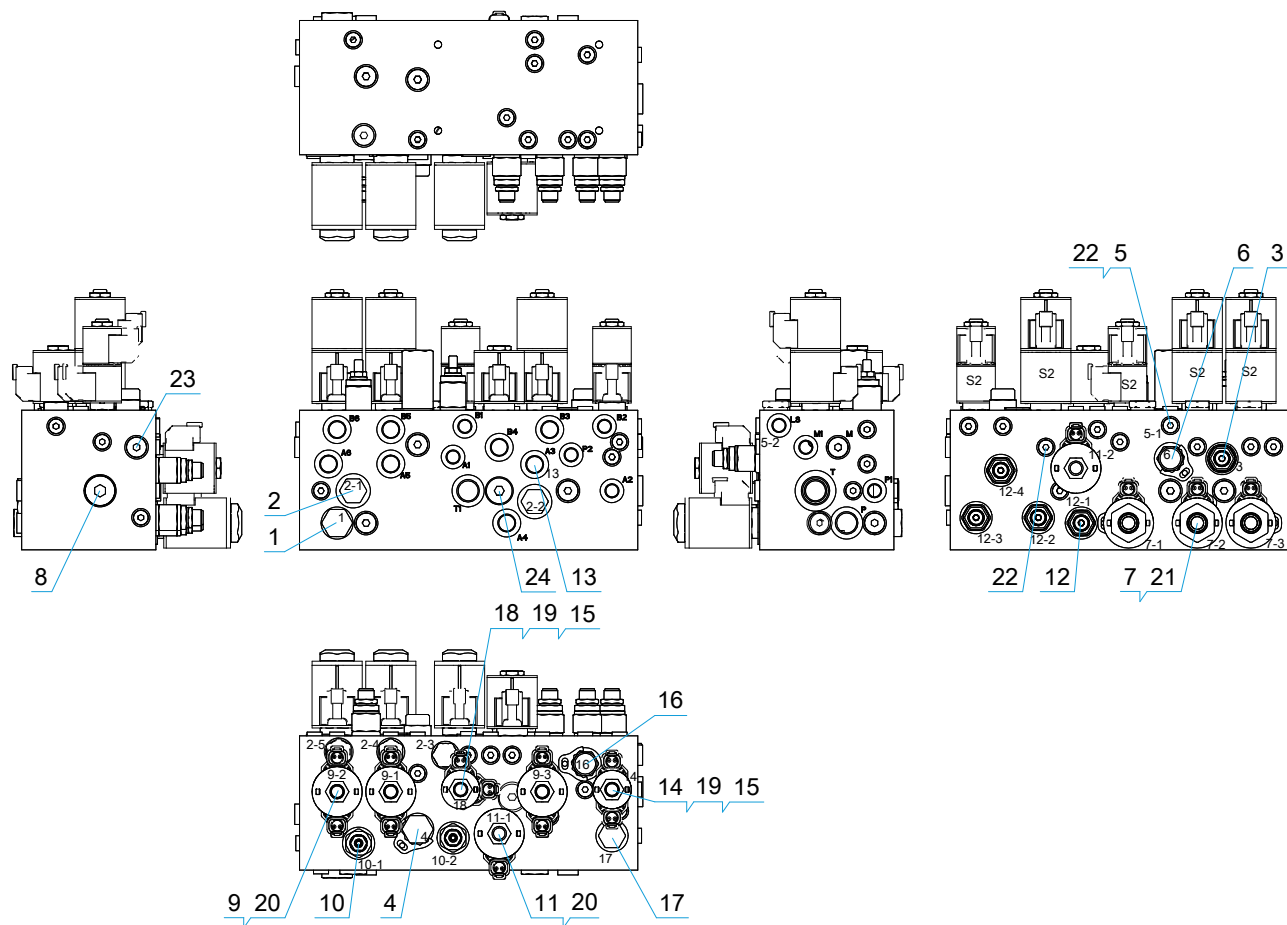
No.	Part No.	Qty.	Description
1	215010000244	1	Bolt M12×40-8.8 ZnD GB/T 5789
2	105084053141	1	Float Control Valve & Fittings Installation(See details)
3	215020000023	4	Screw M8×20-8.8-ZnD GB/T 70.1
4	104030050023		Hydraulic tank assembly option
10	105051053275	1	Brake/2-speed valve & fittings installation(SC: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

6.5.2 BOOM FUNCTION VALVE AND FITTINGS INSTALLATION



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

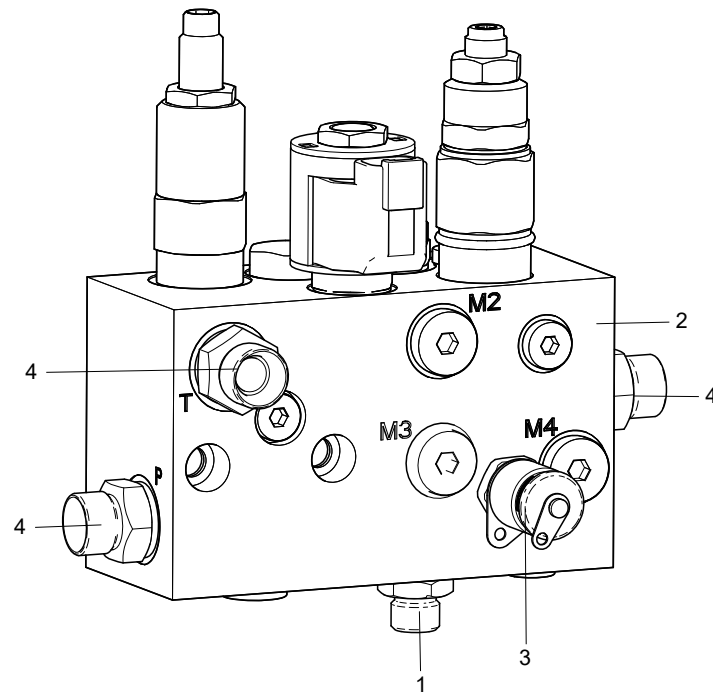
6.5.3 BOOM FUNCTION MANIFOLD (PN.202040003817)



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

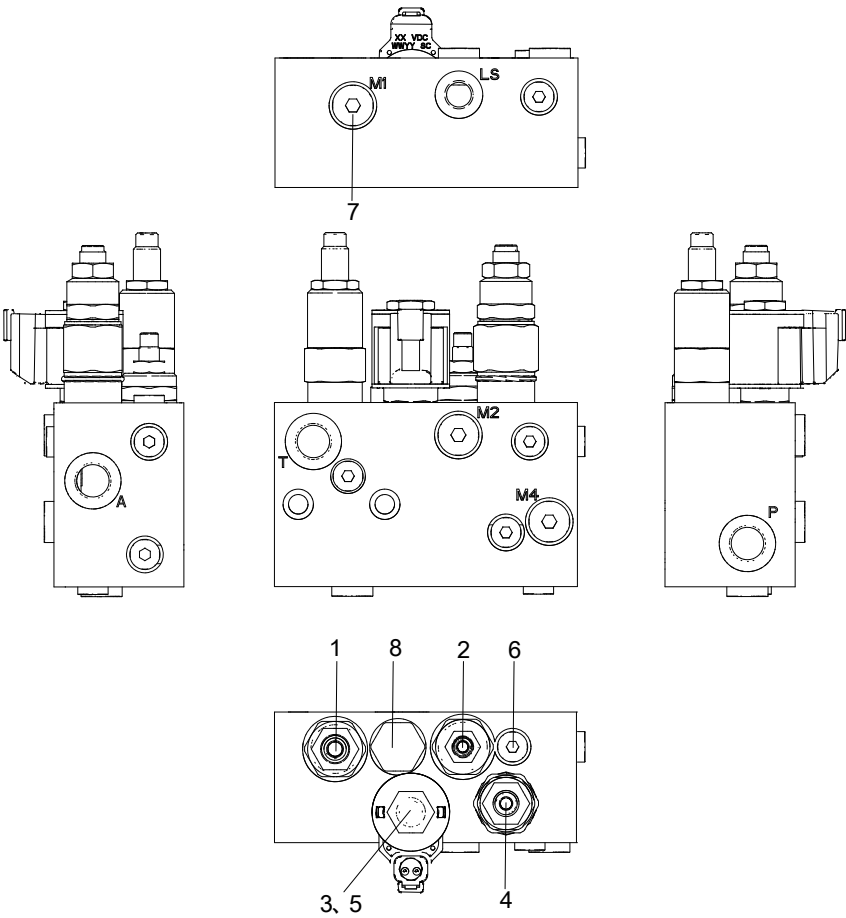
No.	Part No.	Qty.	Description
19	202040003153	4	Coil
20	202990003712	8	Coil
21	202990003714	3	Coil

6.5.4 OSCILLATE CONTROL VALVE (SC : 1001078) AND FITTINGS INSTALLATION



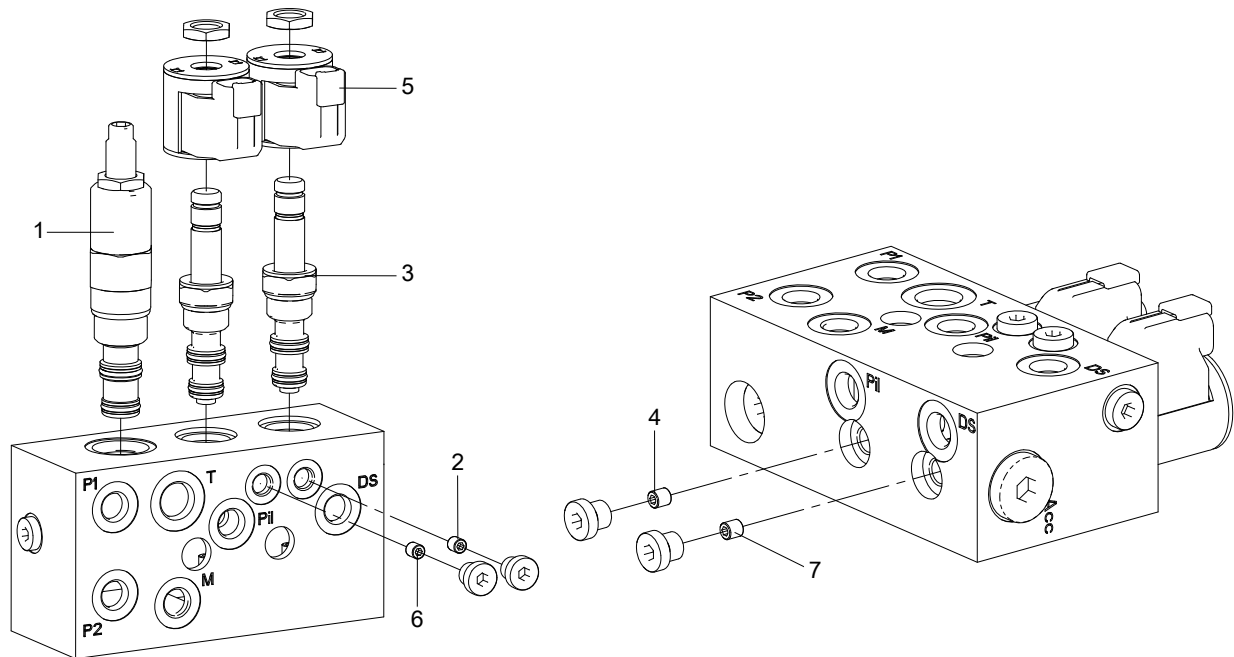
No.	Part No.	Qty.	Description
1	213010000007	1	Fitting
2	202040003521	1	Oscillate control valve
3	213010000010	1	Coupler
4	213010000005	3	Coupler

6.5.5 OSCILLATE CONTROL VALVE (PN.202040003521)



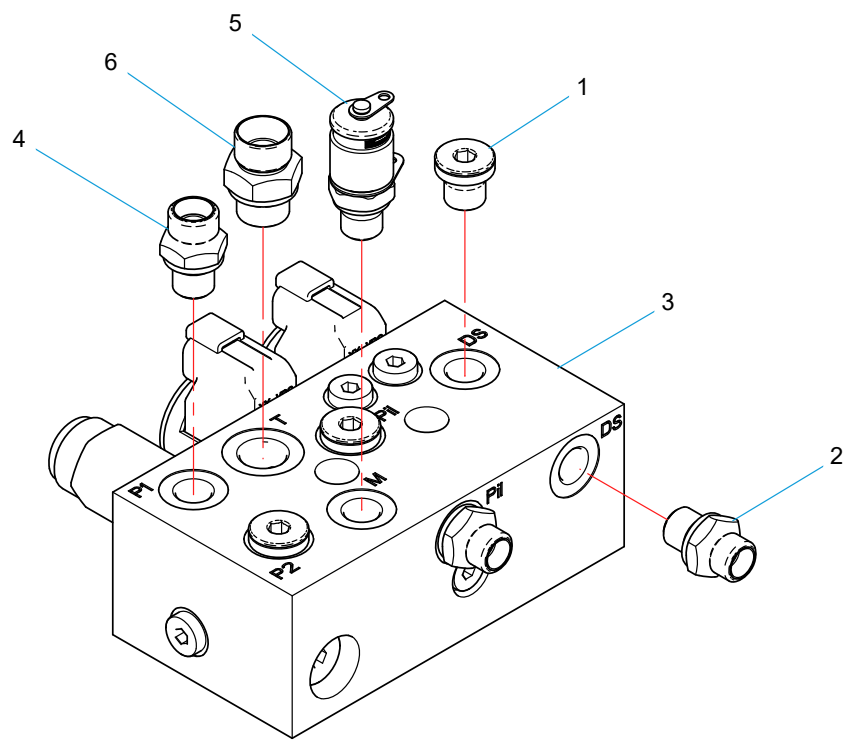
No.	Part No.	Qty.	Description
1	202040003345	1	Pressure reducing valve
2	202040003353	1	Flow valve
3	202040003351	1	Solenoid valve
4	202040003346	1	Hydraulic controlled valve
5	202990000037	1	Coil
6	202130003003	1	Damper
7	202990003192	1	High pressure piece
8	202990003071	1	Check valve

6.5.6 DUAL-SPEED BRAKE CONTROL VALVE (12V)(PN.202040000006)



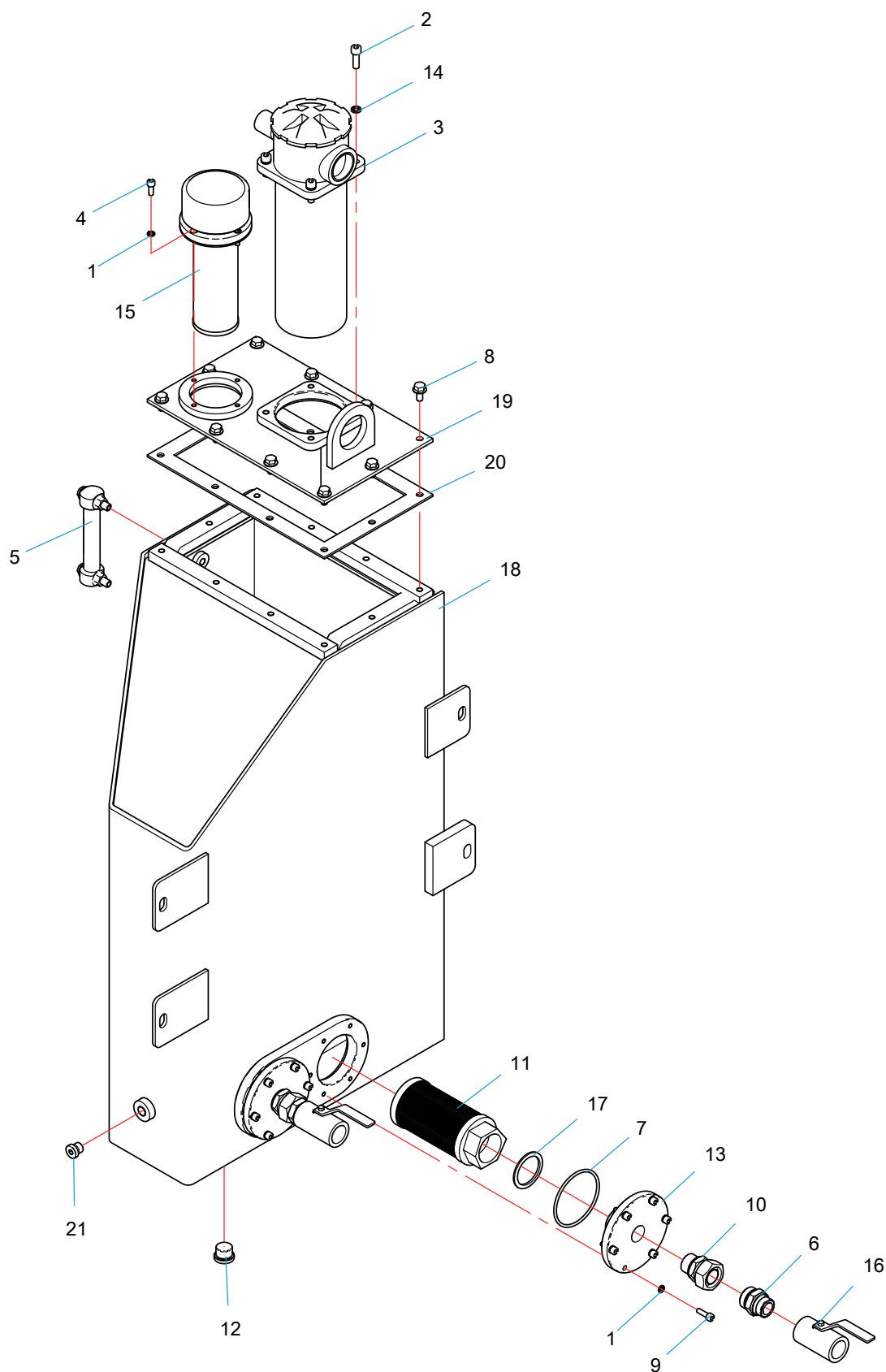
No.	Part No.	Qty.	Description
1	202990003103	1	Relief valve
2	202130000008	1	Damper plug
3	202990003158	2	Solenoid valve
4	202130000004	1	Plug
5	202990000037	2	Coil
6	202130003015	1	Damper
7	202130000001	1	Damper

6.5.7 BRAKE/2-SPEED CONTROL VALVE AND FITTINGS INSTALLATION
(PN.105051053275)



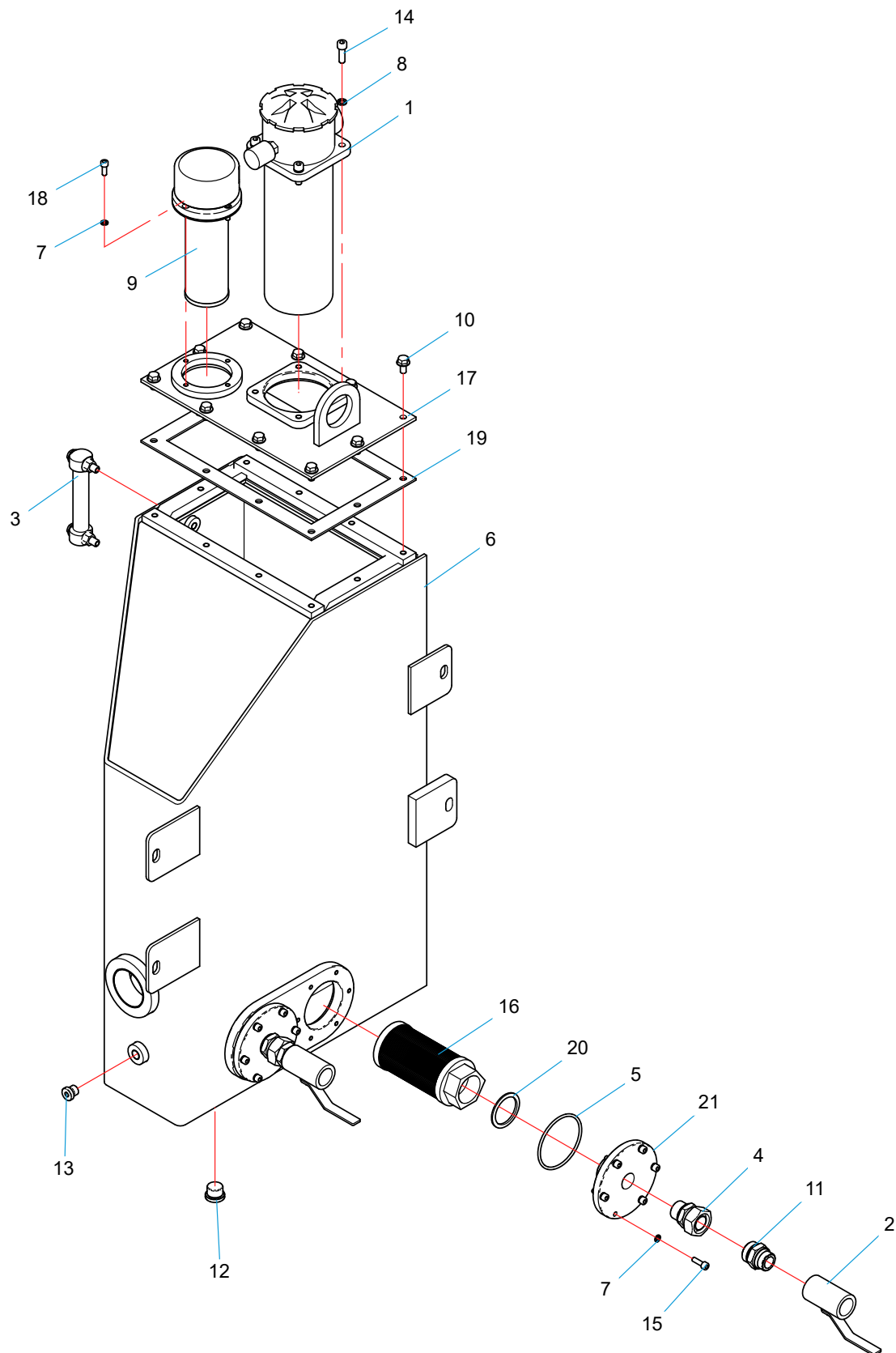
No.	Part No.	Qty.	Description
1	213060000003	3	Plug
2	213010000007	2	Fitting
3	202040000006	1	Brake Dual-speed Control Valve (12V)
4	213010000012	1	Coupler
5	213010000010	1	Coupler
6	213010000005	1	Coupler

6.5.8 HYDRAULIC TANK ASSEMBLY (PN.104009020149)



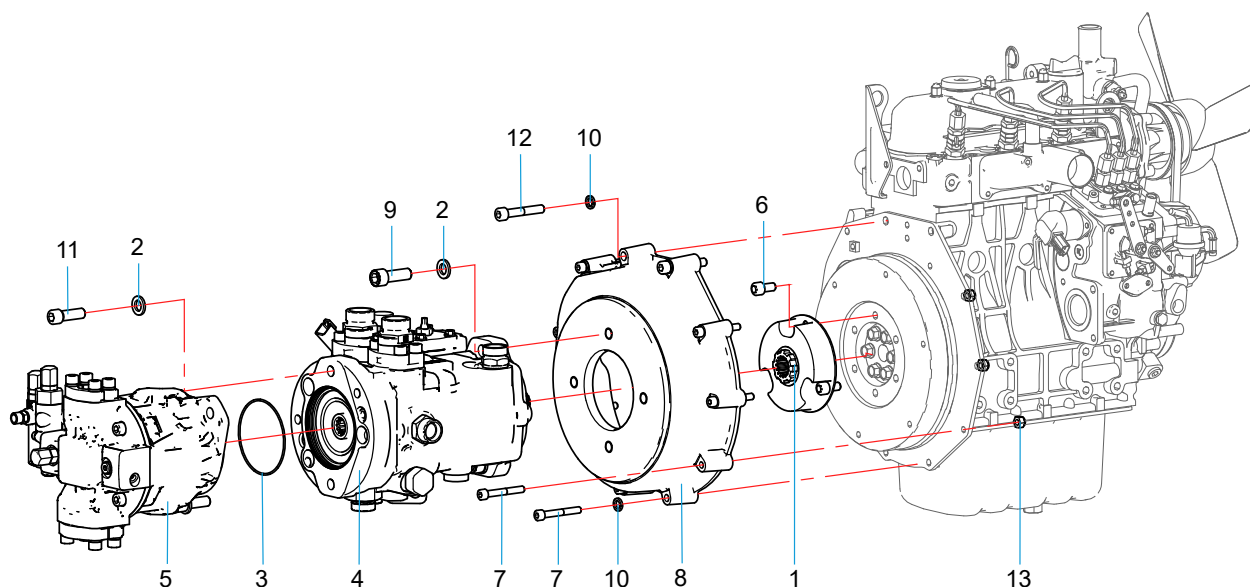
No.	Part No.	Qty.	Description
1	215040000004	16	Washer 6-A2-70 GB/T 93
2	215020000024	4	Screw M8×25-8.8-ZnD GB/T 70.1
3	202080000007	1	Oil return filter
3a	202080000014	1	Return filter element
4	215020000011	4	Screw M6×16-A2-70 GB/T 70.1
5	202120000005	1	Level gauge
6	105001050027	2	Fitting, non-standard
7	207040000020	2	O ring 77.5×3.55 GB/T 3452.1
8	215010000286	10	Bolt M8×16-8.8-ZnD GB/T 5789
9	215020000012	12	Screw M6×20-A2-70 GB/T 70.1
10	213010000123	2	Fitting
11	202080000006	2	Suction filter
12	213060000004	1	Plug
13	104009020135	2	Flange
14	215040000005	4	Washer 8-ZnD GB/T 93
15	202070003014	1	Air filter
15a	202070003015	1	Filter element
16	202040000049	2	Ball valve
17	207060000005	2	Combined sealing ring
18	104009020134	1	Hydraulic tank
19	104009020145	1	Fuel tank plate
20	104009020151	1	Rubber plate
21	213060000010	1	Plug

6.5.9 HYDRAULIC TANK ASSEMBLY (PN.104030050024)



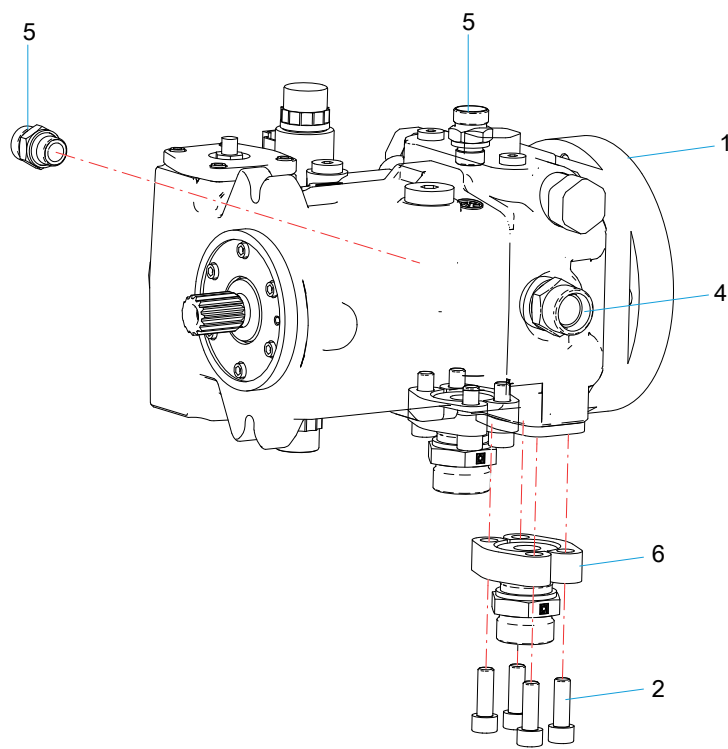
No.	Part No.	Qty.	Description
1	202080000007	1	Oil return filter
1a	202080000014	1	Return filter element
2	202040000049	2	Ball valve
3	202120000005	1	Level gauge
4	213010000123	2	Fitting
5	207040000020	2	O ring 77.5×3.55 GB/T 3452.1
6	104030050025	1	Hydraulic tank
7	215040000004	16	Washer 6-A2-70 GB/T 93
8	215040000005	4	Washer 8-ZnD GB/T 93
9	202070003014	1	Air filter
9a	202070003015	1	Filter element
10	215010000286	10	Bolt M8×16-8.8-ZnD GB/T 5789
11	105001050027	2	Fitting, non-standard
12	213060000004	1	Plug
13	213060000010	1	Plug
14	215020000024	4	Screw M8×25-8.8-ZnD GB/T 70.1
15	215020000012	12	Screw M6×20-A2-70 GB/T 70.1
16	202080000006	2	Suction filter
17	104009020145	1	Fuel tank plate
18	215020000011	4	Screw M6×16-A2-70 GB/T 70.1
19	104009020151	1	Rubber plate
20	207060000005	2	Combined sealing ring
21	104009020135	2	Flange

6.5.10 KUBOTA OIL PUMP TRANSMISSION



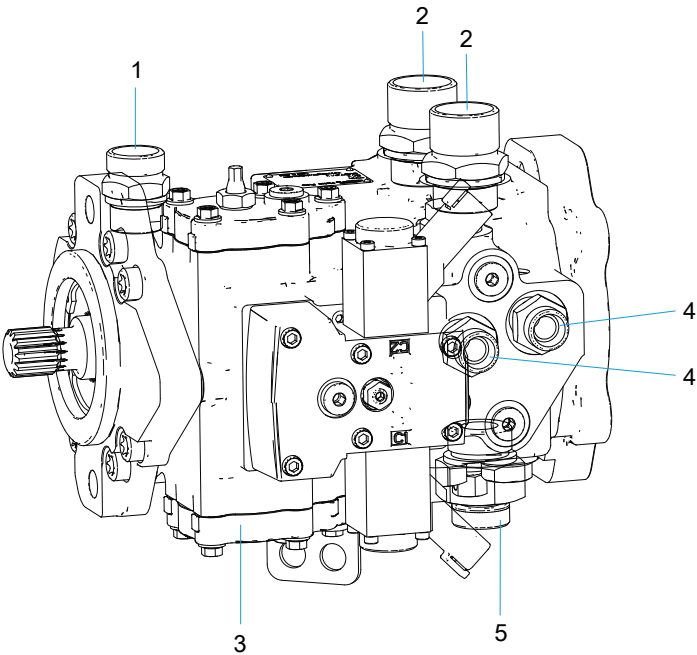
No.	Part No.	Qty.	Description
1	204040003010	1	Shaft coupling
2	215040000051	4	Washer 12-DKL GB/T 1230
3	207040000060	1	O-ring
4	105051053288		Options, Closed-circuit pump & fittings installation
4-1	105051053290	1	Closed-circuit pump & fittings installation(SC: 1000054)
4-2	105051053301	1	Closed-circuit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

6.5.11 CLOSED PUMP (PN.105051053290)



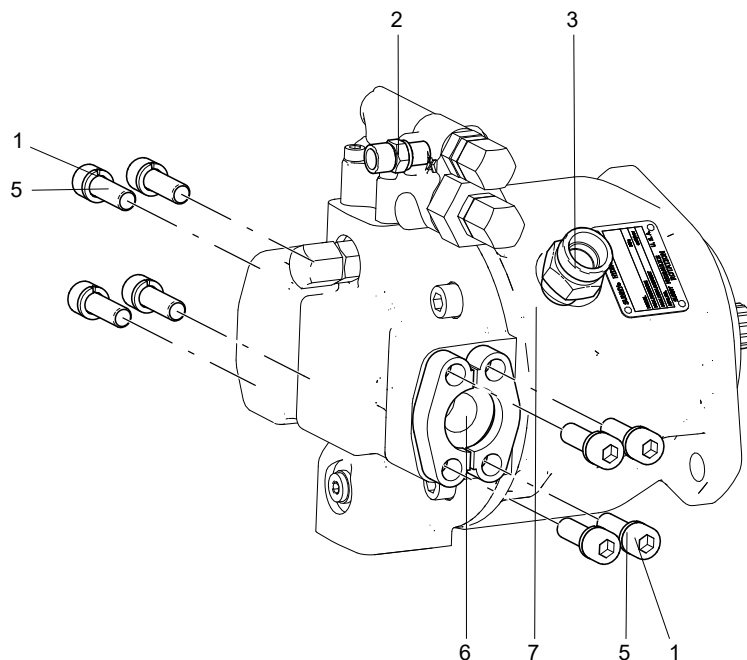
No.	Part No.	Qty.	Description
1	202010000045	1	Closed-circuit variable pump
1a	207990003106	1	Seal kit,Closed-circuit pump
2	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
3	213010000168	1	Coupler
4	213010000103	1	Coupler
5	213010000108	2	Coupler
6	213030000018	2	Flange

6.5.12 CLOSED PUMP AND FITTINGS INSTALLATION (PN.105051053301)



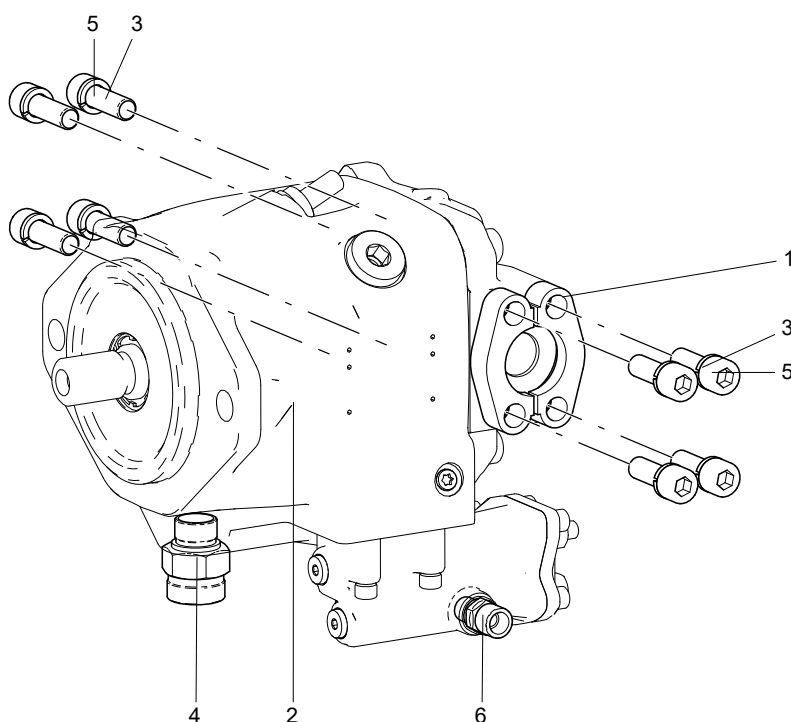
No.	Part No.	Qty.	Description
1	213010000029	1	Coupler
2	213010000027	2	Coupler
3	202010000054	1	Closed-circuit variable pump
3a	207990003118	1	Seal kit, closed-circuit pump(Not shown)
4	213010000162	2	Coupler
5	213010003017	1	Coupler

6.5.13 OPEN-CIRCUIT PUMP (SC: 1000054) AND FITTINGS INSTALLATION



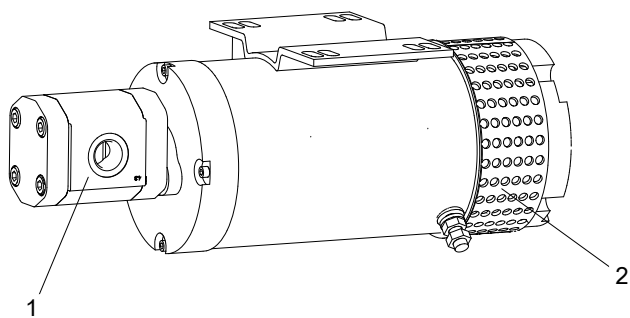
No.	Part No.	Qty.	Description
1	215040000006	8	Washer 10-ZnD GB/T 93
2	213010000013	1	Coupler
3	213010000213	1	Coupler
4	213030000002	1	Flange
5	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
6	213030000007	1	Flange
7	202010000048	1	Plunger variable pump
7a	207990003946	1	Seal kit, open-circuit pump

6.5.14 OPEN-CIRCUIT PUMP (SC: 1000857) AND FITTINGS INSTALLATION



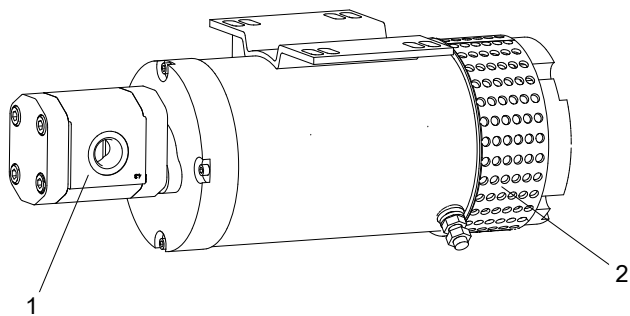
No.	Part No.	Qty.	Description
1	213030000007	1	Flange
2	202010003140	1	Open-circuit pump
2a	207990003982	1	Seal kit, Open-circuit pump
3	215020000050	8	Screw M10×30-8.8-ZnD GB/T 70.1
4	213010000213	1	Coupler
5	215040000006	8	Washer 10-ZnD GB/T 93
6	213010000013	1	Coupler
7	213030000002	1	Flange(Not shown)

6.5.15 POWER UNIT(PN.202010000041)



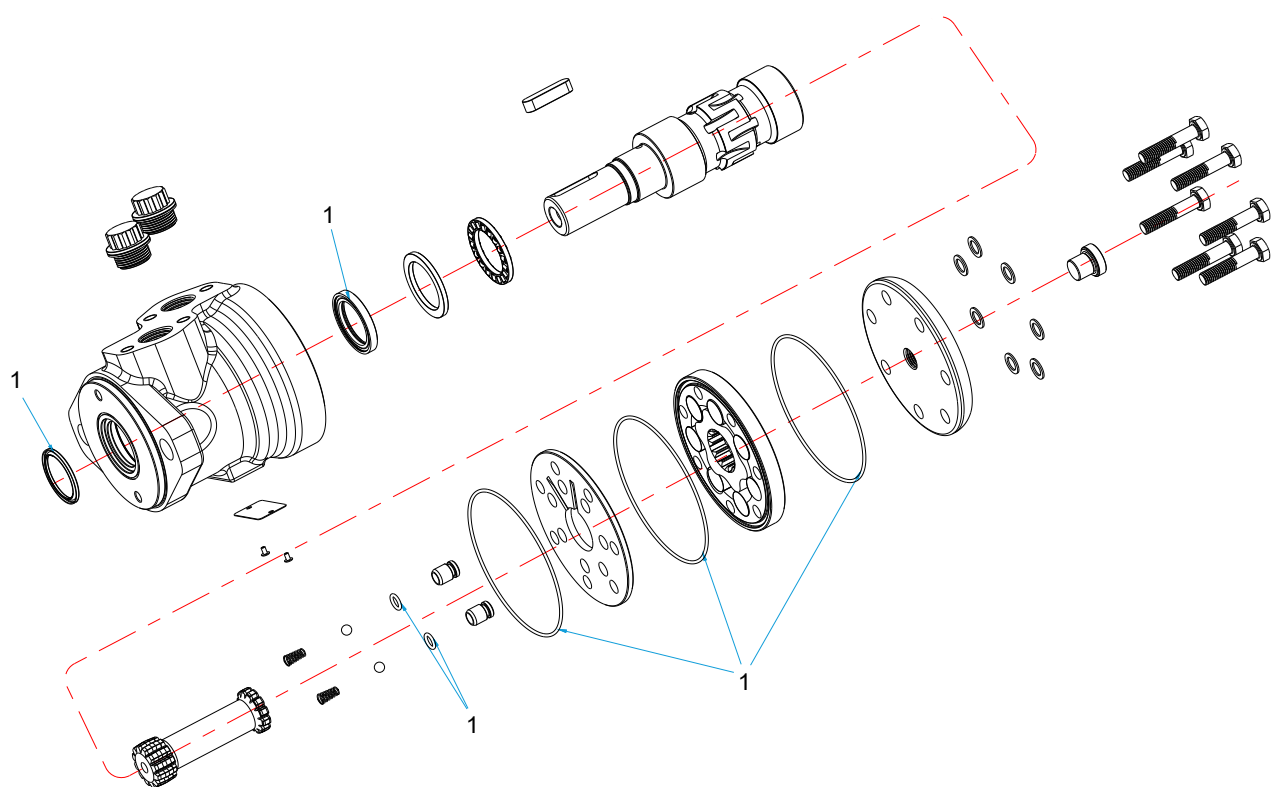
No.	Part No.	Qty.	Description
1	202010003073	1	Gear pump
1a	207990003107	1	Seal kit, gear pump
2	203010003058	1	DC motor

6.5.16 POWER UNIT (PN.202010003090)



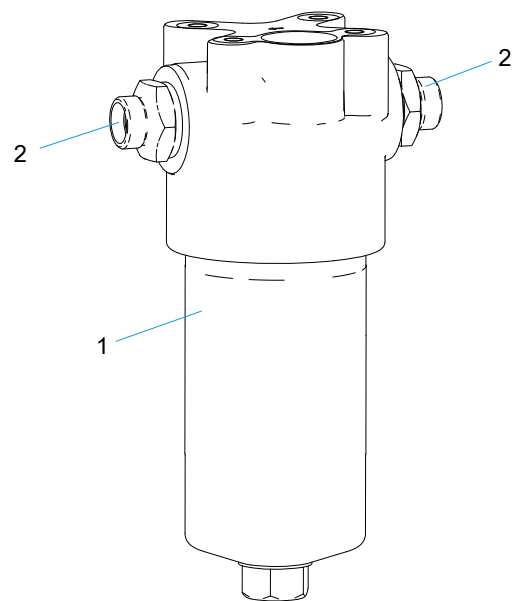
No.	Part No.	Qty.	Description
1	202010003073	1	Gear pump
1a	207990003107	1	Seal kit, gear pump
2	203010003058	1	DC motor

6.5.17 CYCLOID MOTOR (PN.202020003090)



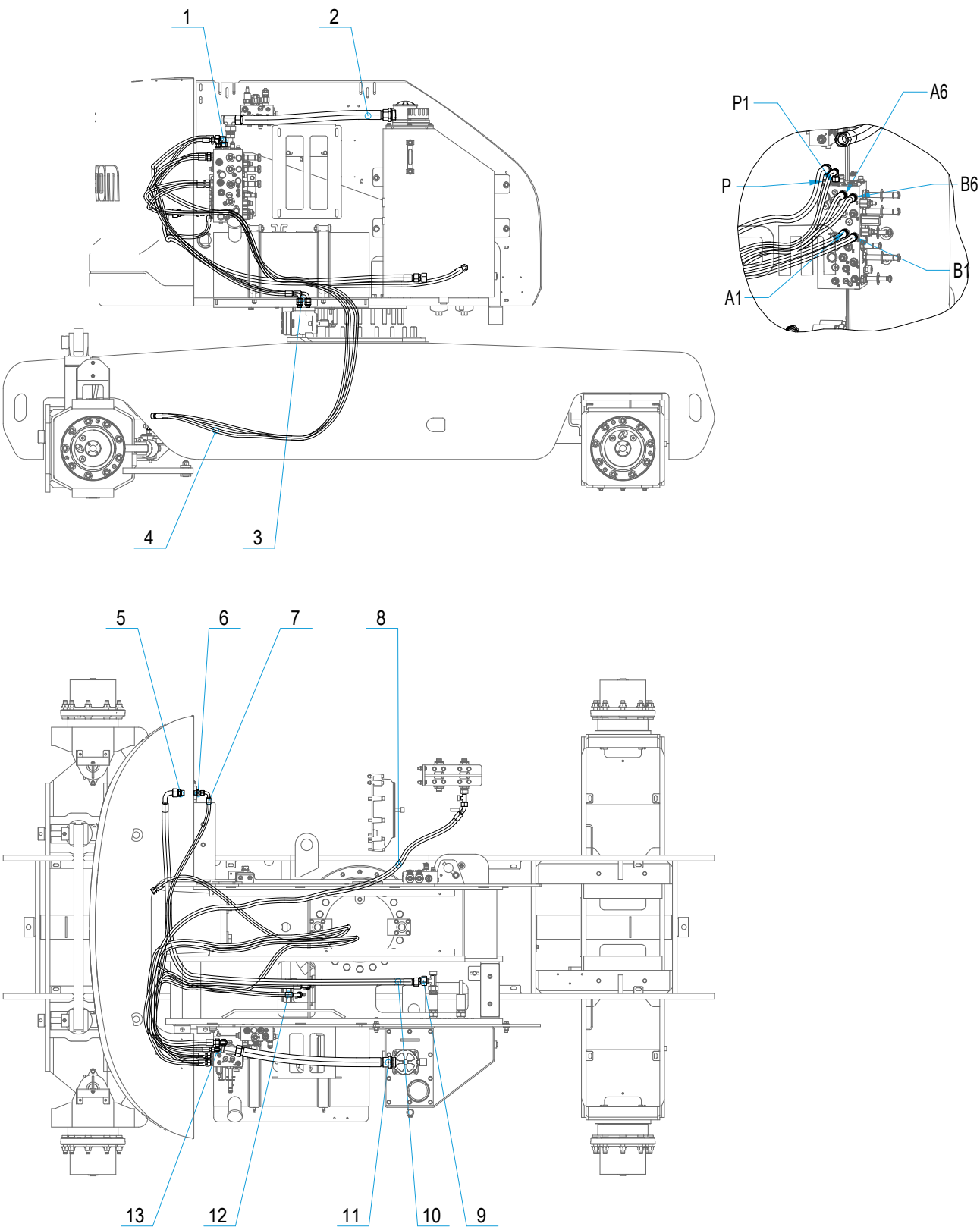
No.	Part No.	Qty.	Description
1	202990003346	1	Seal kit, Cycloid motor

6.5.18 HIGH PRESSURE FILTER OPTIONS



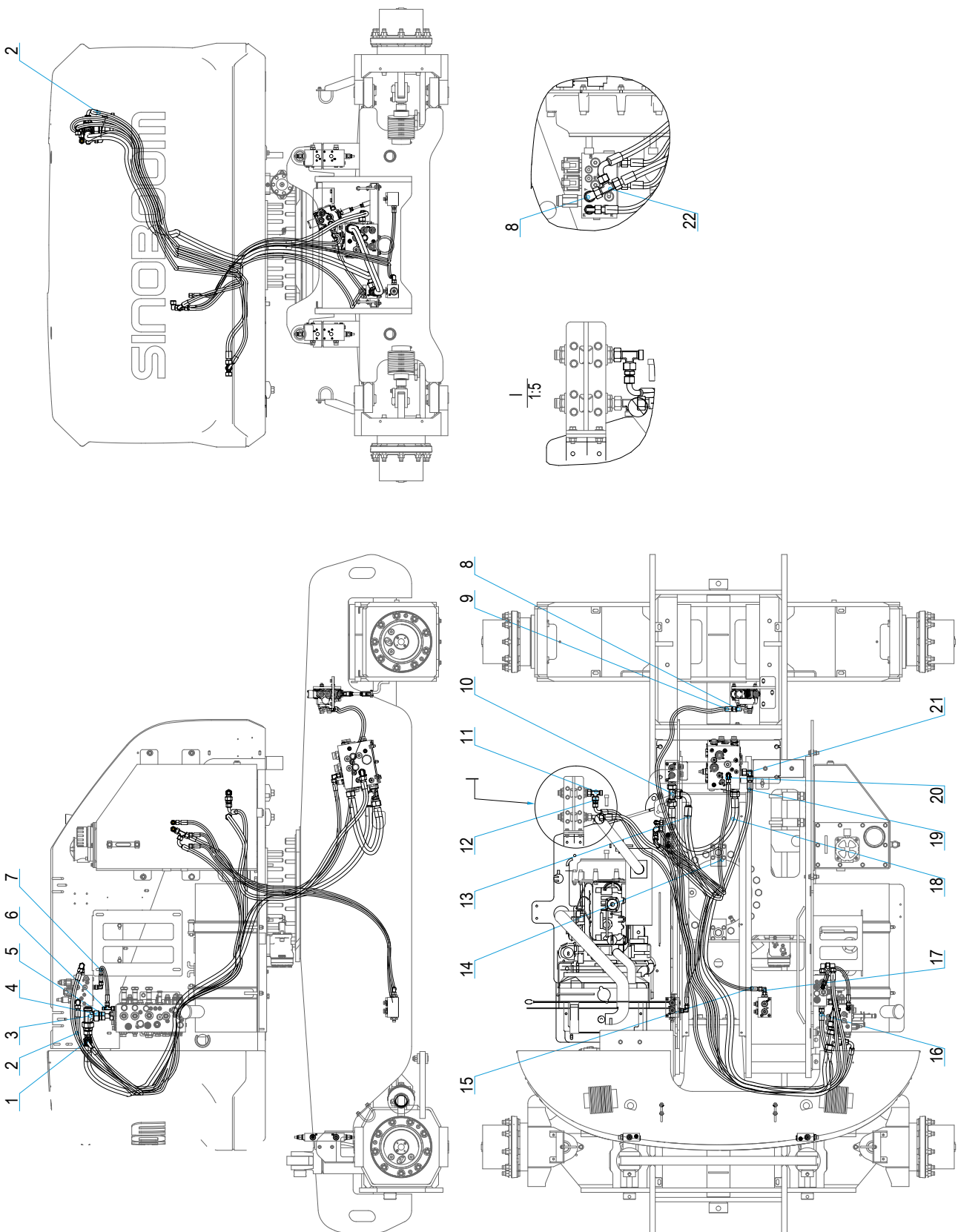
No.	Part No.	Qty.	Description
	103011053052		Filter & fittings installation options
1-1	202080003017	1	High pressure filter(1000181)
1-1a	202080003018	1	Filter element
1-2	202080000046	1	High pressure filter(1000060)
1-2a	202080000048	1	Filter element
2	213010000014	2	Coupler

6.5.19 PIPE LAYOUT DRAWING OF BOOM FUNCTION MANIFOLD



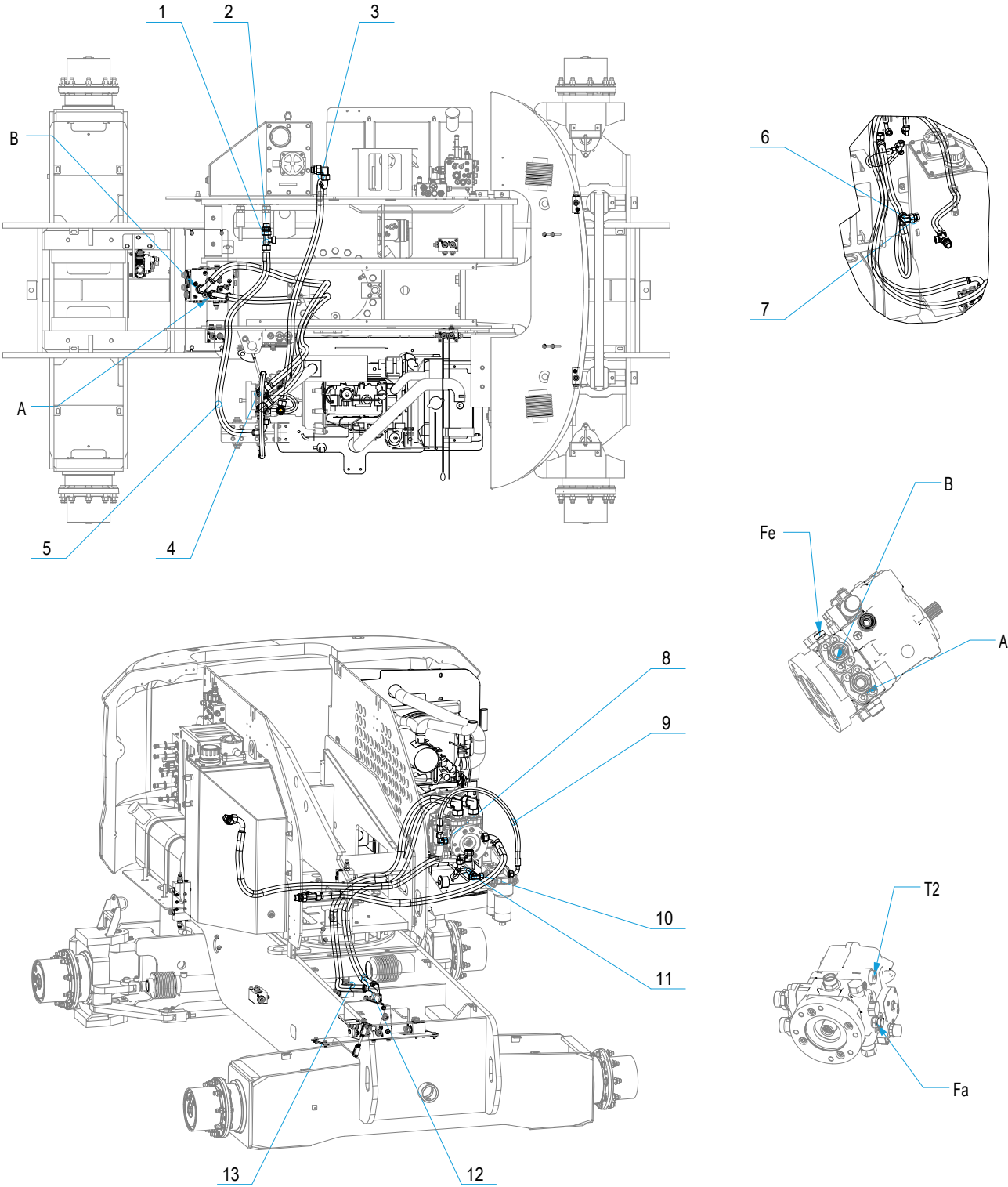
No.	Part No.	Qty.	Description
1	213010000008	1	Coupler
2	213050000775	1	Hose
3	213010000005	2	Coupler
4	213050000300	2	Hose
5	213010000092	1	Coupler
6	213010000125	1	Fitting
7	213050001482	1	Hose
8	213050013992	1	Hose
9	213010000104	1	Coupler
10	213050012438	1	Hose
11	213010000128	1	Coupler
12	213050001600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

6.5.20 DUAL-SPEED BRAKE PIPING DIAGRAM



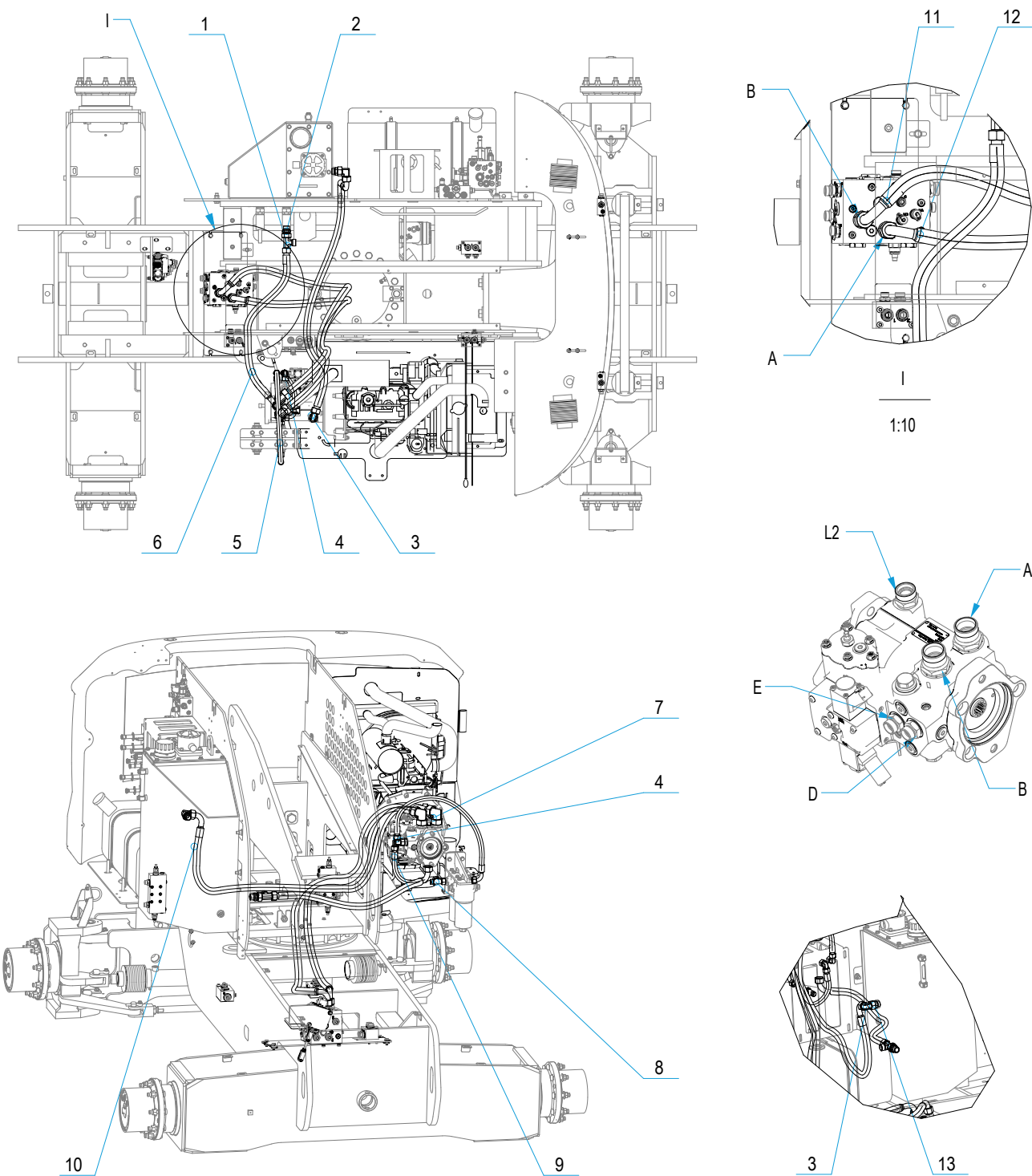
No.	Part No.	Qty.	Description
1	213010000046	1	Coupler
2	213050000233	2	Hose
3	213010000130	1	Coupler
4	213010000034	2	Coupler
5	213010000134	1	Coupler
6	213010000026	1	Coupler
7	213050008467	1	Hose
8	213010000055	5	Coupler
9	213050000667	1	Hose
10	213010000043	2	Coupler
11	213010000078	1	Coupler
12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

6.5.21 CLOSED PUMP (PN.202010000045) TUBES LAYOUT



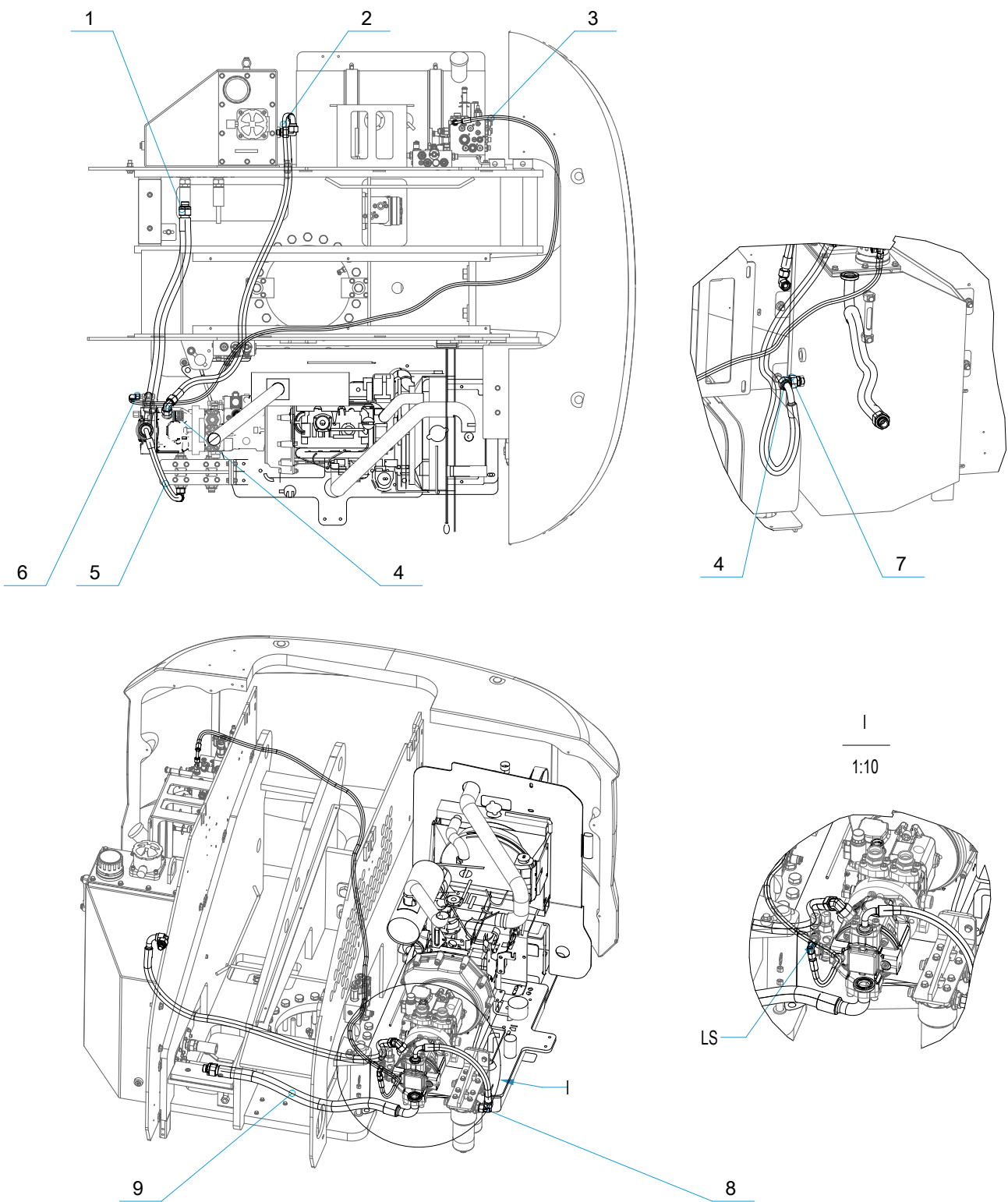
No.	Part No.	Qty.	Description
1	213010000043	1	Coupler
2	213010000045	1	Coupler
3	213050000279	1	Hose
4	213010000022	2	Coupler
5	213050000696	1	Hose
6	213010000041	2	Coupler
7	213010000037	1	Coupler
8	213010000008	1	Coupler
9	213050000575	1	Hose
10	213050016081	1	Hose
11	213010000078	1	Coupler
12	213050018358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

6.5.22 CLOSED PUMP (PN.202010000054) TUBES LAYOUT



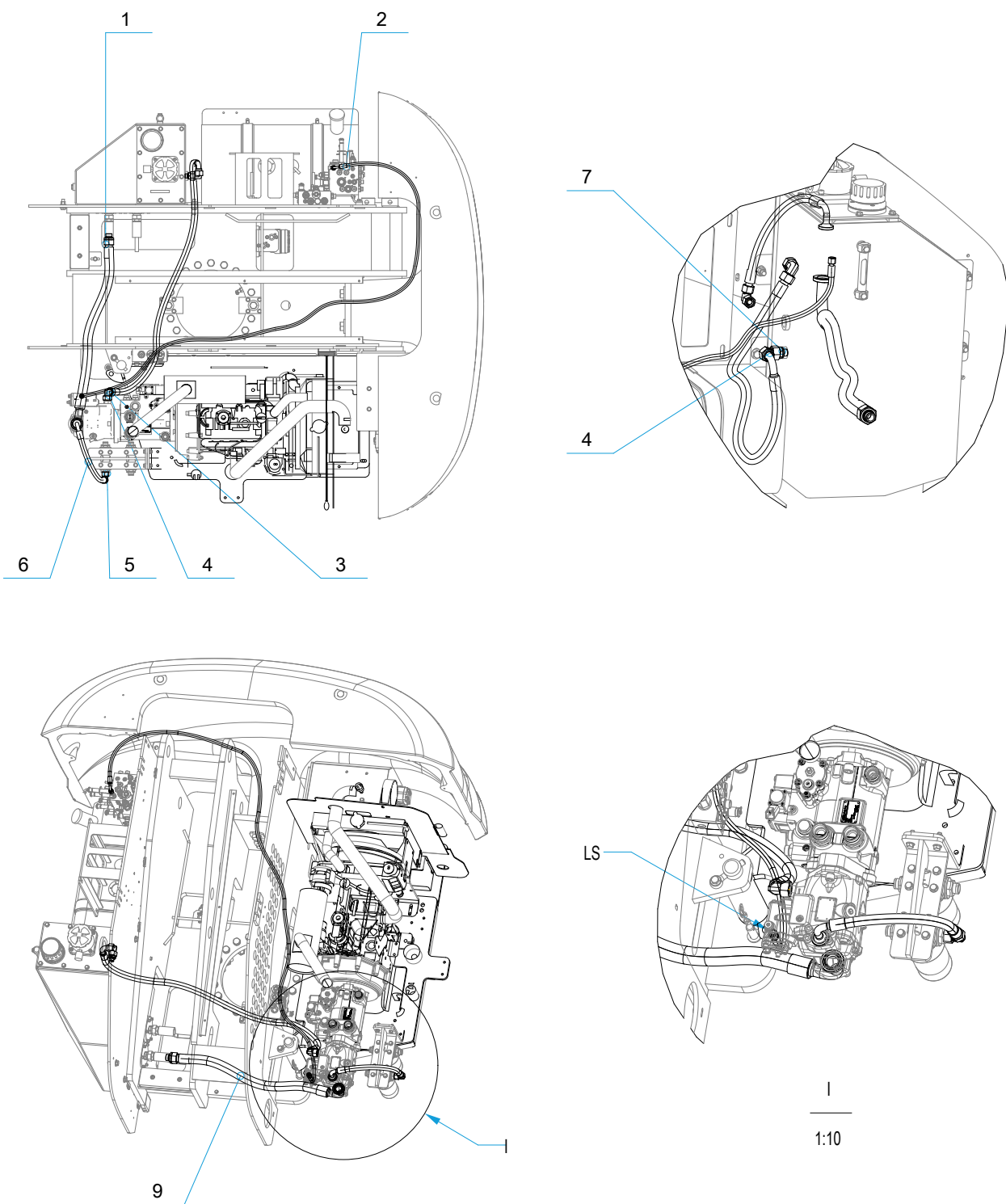
No.	Part No.	Qty.	Description
1	213010000043	1	Coupler
2	213010000045	1	Coupler
3	213010000041	2	Coupler
4	213010000008	2	Coupler
5	213050000575	1	Hose
6	213050003396	1	Hose
7	213010000022	2	Coupler
8	213010000078	1	Coupler
9	213050017102	1	Hose
10	213050000854	1	Hose
11	213050018362	1	Hose
12	213050018358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

6.5.23 OPEN PUMP (PN.202010000048) TUBES LAYOUT



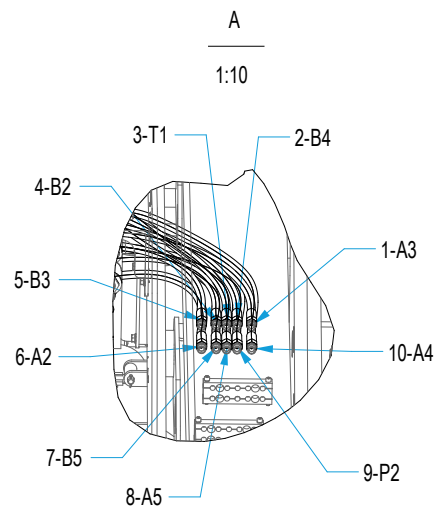
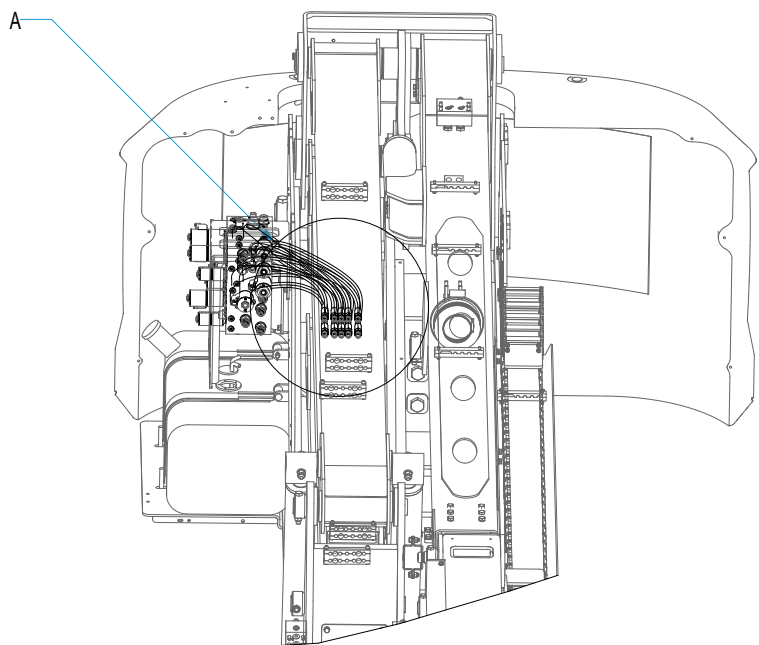
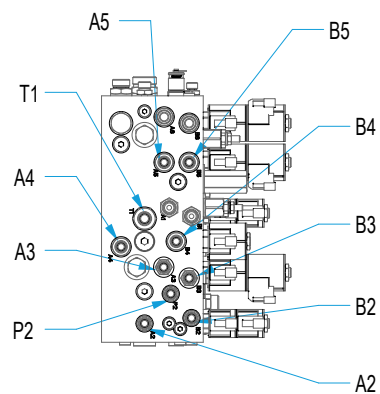
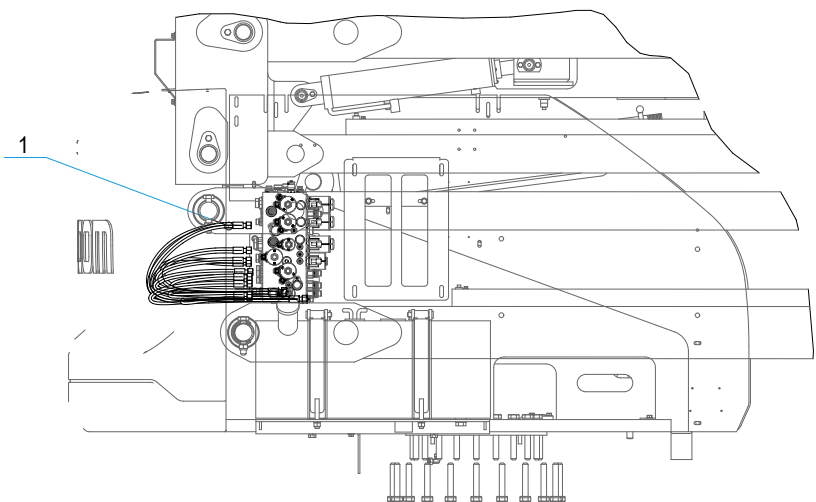
No.	Part No.	Qty.	Description
1	213010000143	1	Coupler
2	213050000836	1	Hose
3	213050008344	1	Hose
4	213010000067	2	Coupler
5	213050015433	1	Hose
6	213010000024	1	Coupler
7	213010000198	1	Coupler
8	213010000008	1	Coupler
9	213050016082	1	Hose

6.5.24 OPEN PUMP (PN.202010003140) TUBES LAYOUT



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

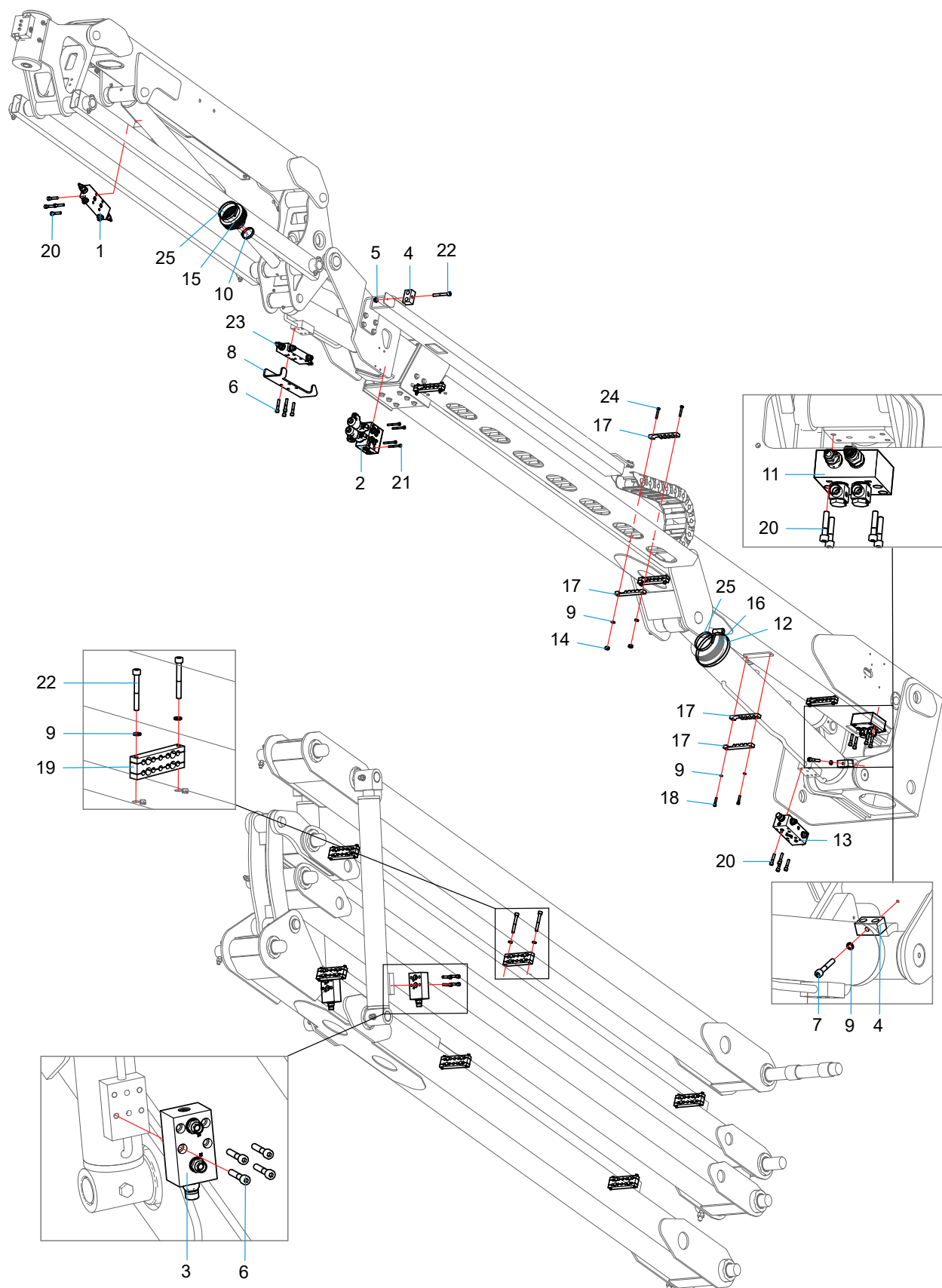
6.5.25 BOOM TUBES LAYOUT



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

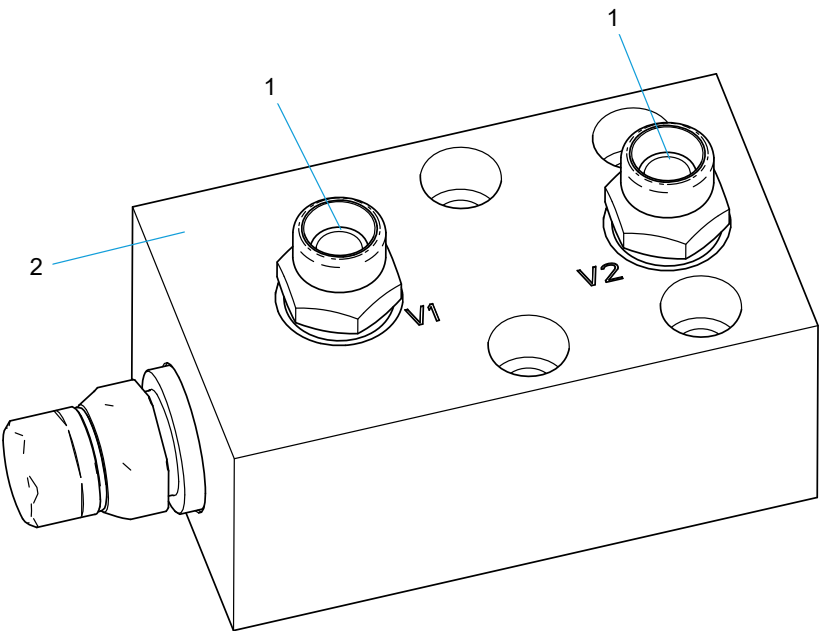
6.6 BOOM HYDRAULIC SYSTEM

6.6.1 BOOM HYDRAULIC COMPONENTS INSTALLATION



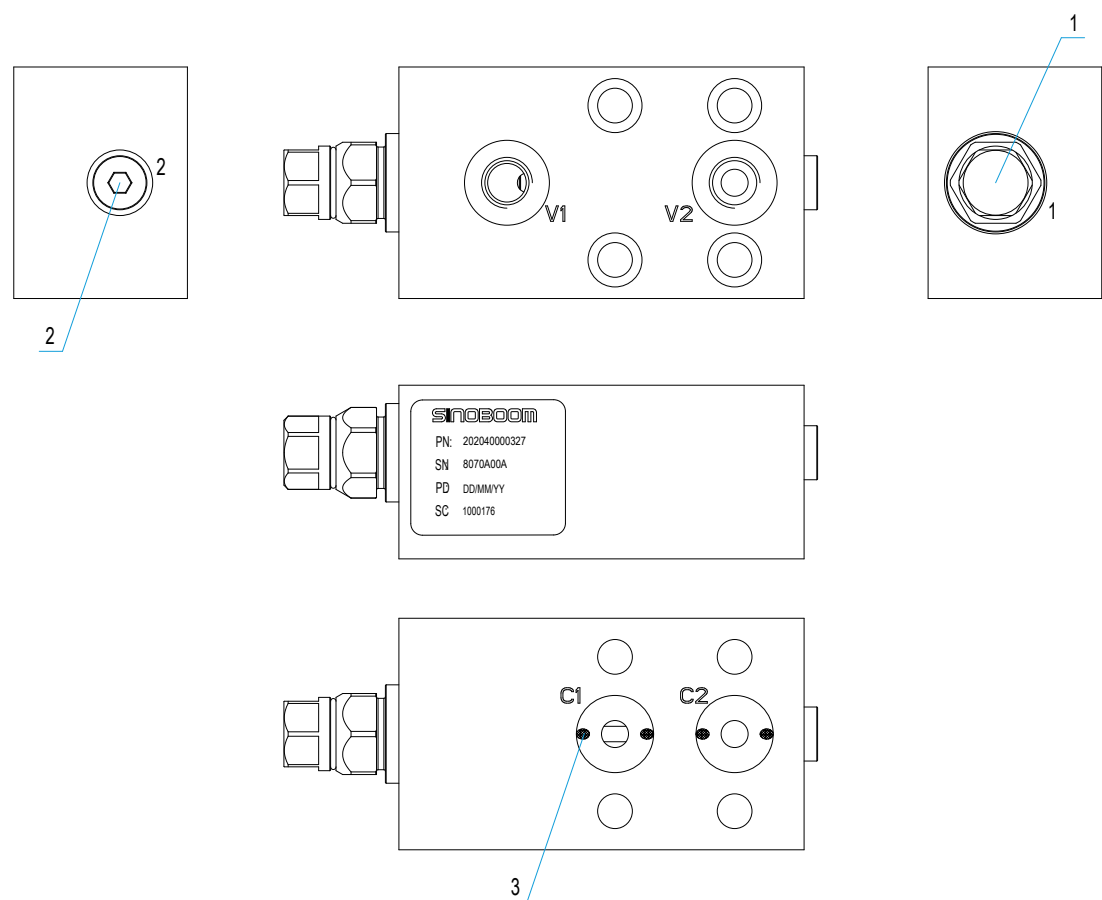
No.	Part No.	Qty.	Description
1	105070053003	1	Jib counterbalance valve fittings installation(See details)
2	103009053043	1	Platform duplex valve & fittings installation(See details)
3	104030050038	2	Installation of lift counterbalance manifold options(See details)
4	216010003006	2	Clamp
5	215030000025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

**6.6.2 TOWER BOOM LIFT COUNTERBALANCE VALVE AND FITTINGS
INSTALLATION OPTIONS**



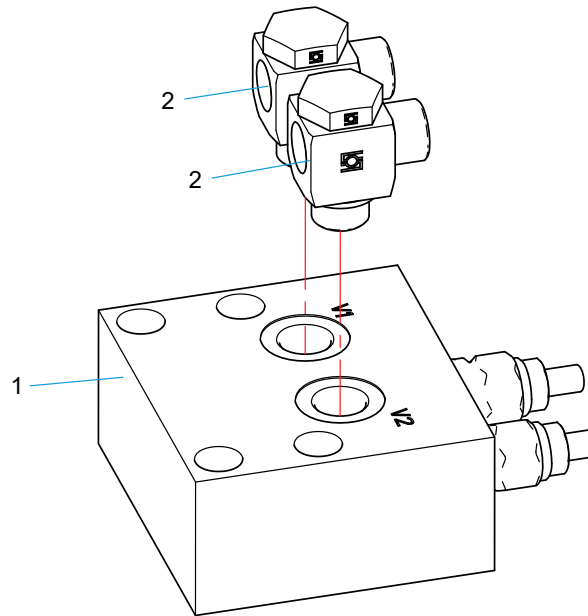
No.	Part No.	Qty.	Description
1	213010000012	2	Coupler
2	202040000327	1	Lift counterbalance valve, tower boom

6.6.3 TOWER BOOM LIFT COUNTERBALANCE VALVE (PN.202040000327)



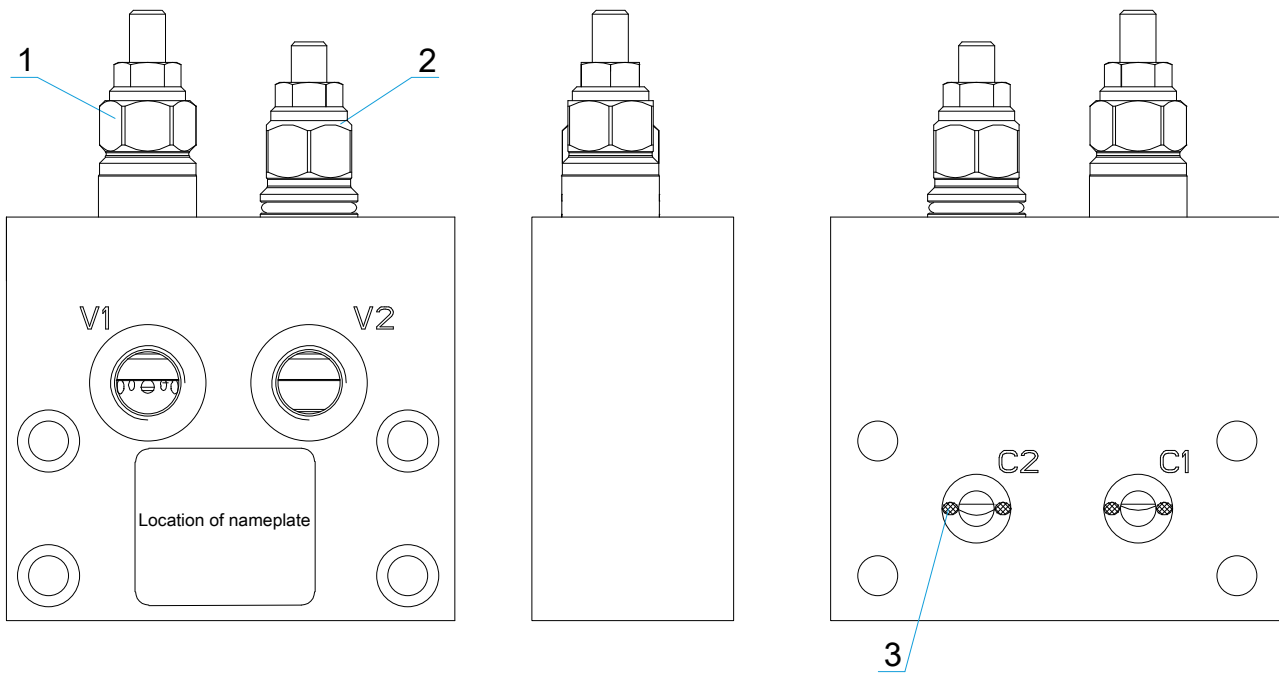
No.	Part No.	Qty.	Description
1	202990003276	1	Counterbalance valve
2	202130003028	1	Damper
3	207060003005	2	O-ring

6.6.4 TELESCOPING COUNTERBALANCE VALVE OPTIONS AND FITTINGS INSTALLATION



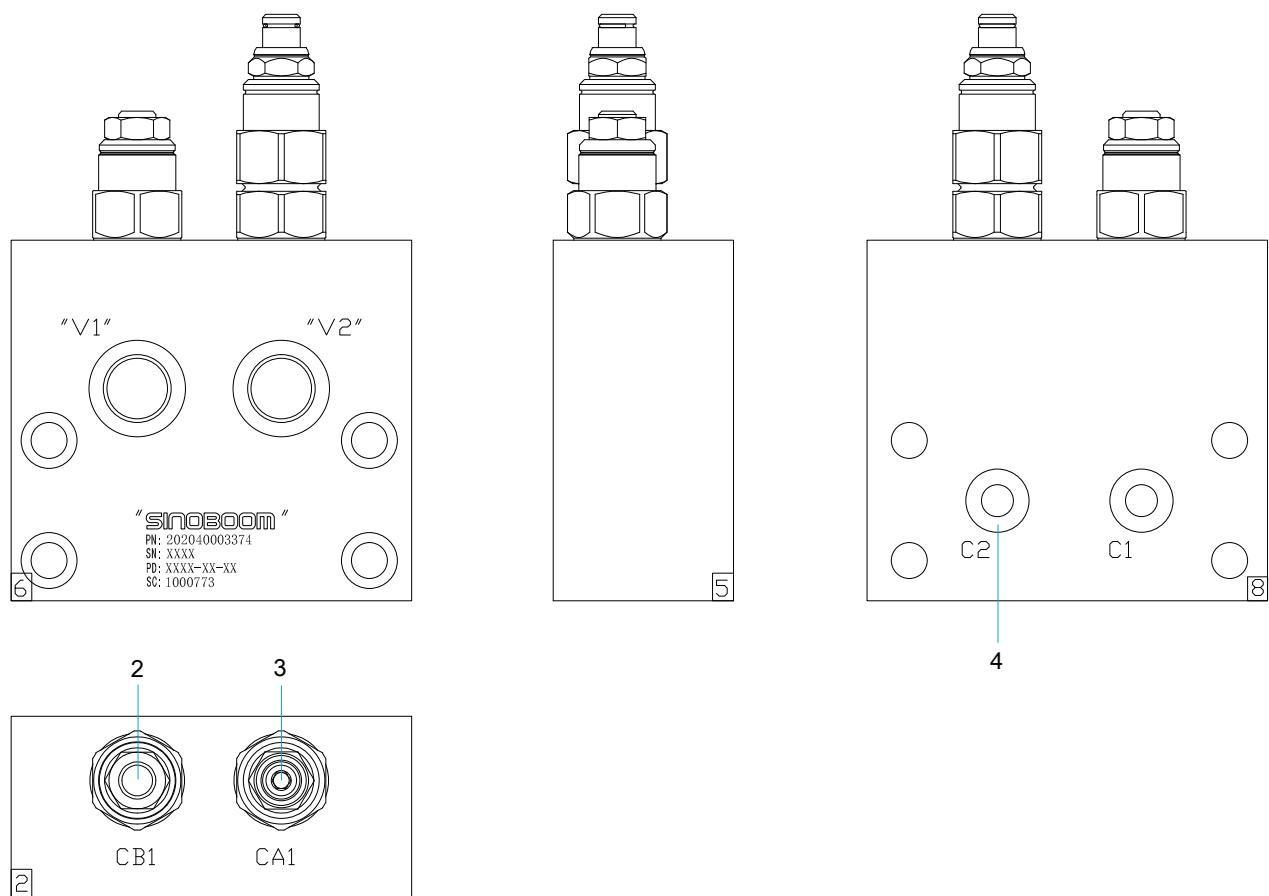
No.	Part No.	Qty.	Description
1	103004050027		Counterbalance valve options, telescoping
1-1	202040003012	1	Telescope counterbalance valve(SC: 1000176)
1-2	202040003374	1	Telescope counterbalance manifold(SC: 1000773)
2	213010000136	2	Coupler

6.6.5 TELESCOPING COUNTERBALANCE VALVE (PN.202040003012)



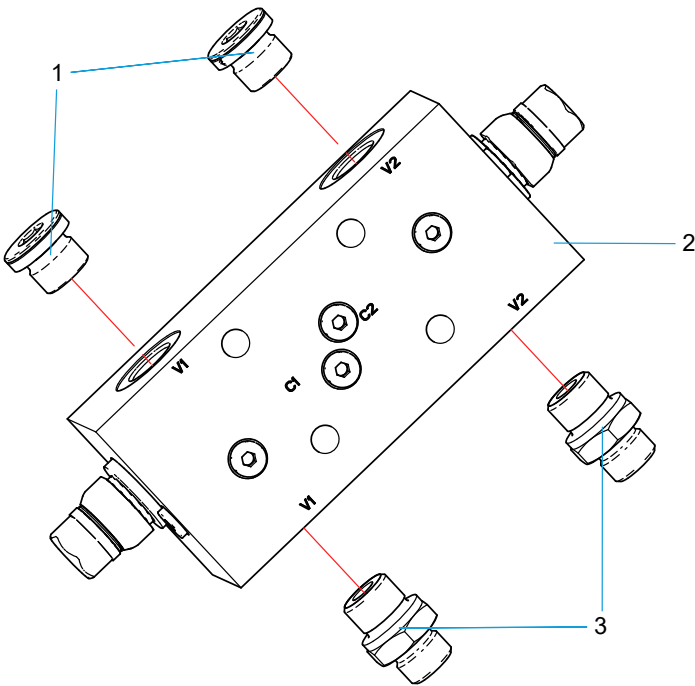
No.	Part No.	Qty.	Description
1	202990003885	1	Counterbalance valve
2	202990003711	1	Counterbalance valve
3	207040003049	2	O-ring

6.6.6 TELESCOPING COUNTERBALANCE VALVE (PN.202040003374)



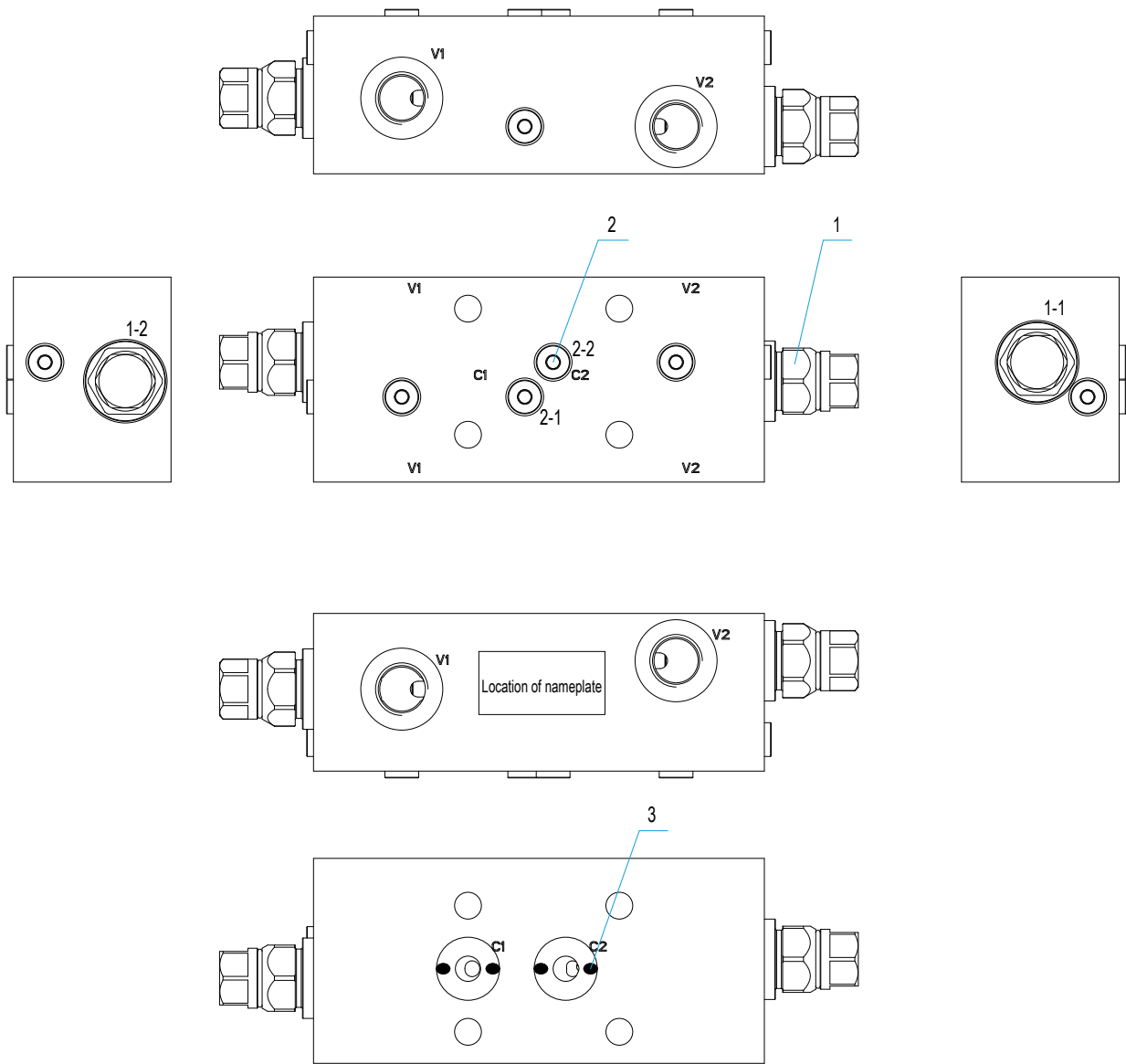
No.	Part No.	Qty.	Description
2	202990003882	1	Counterbalance valve
3	202990003884	1	Counterbalance valve
4	207040003003	2	O-ring

6.6.7 MAIN BOOM LIFT COUNTERBALANCE VALVE OPTIONS AND FITTINGS INSTALLATION



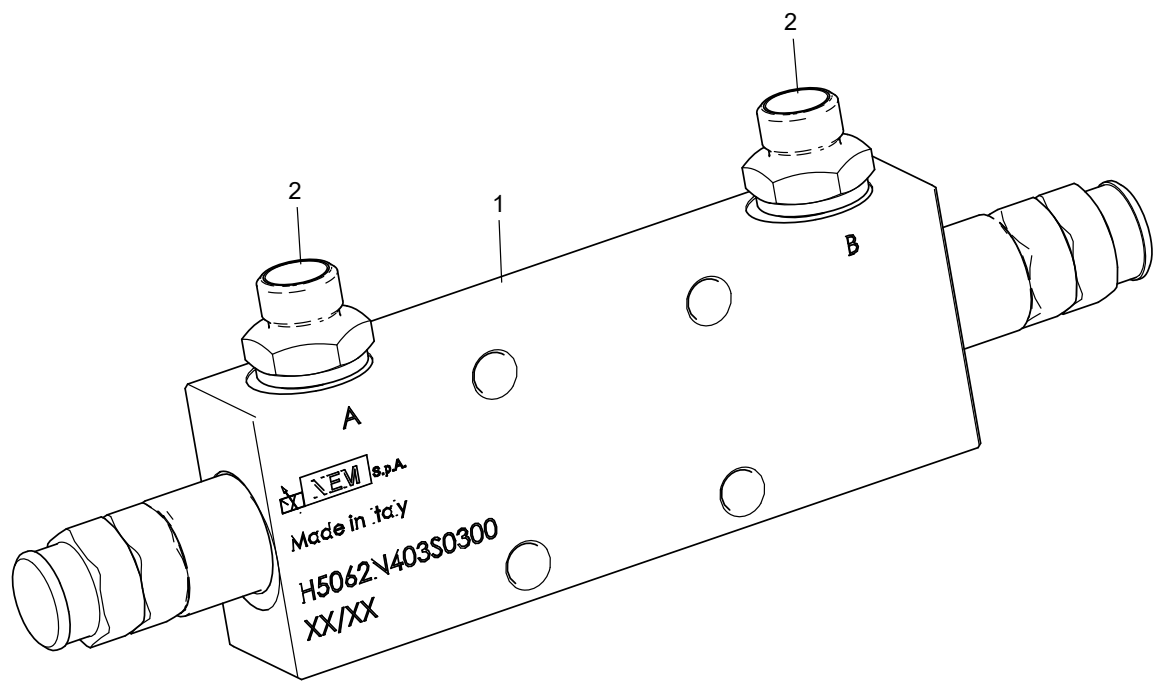
No.	Part No.	Qty.	Description
1	213060000001	2	Plug
2	202040000309	1	Lift counterbalance manifold(See details)
3	213010000006	2	Fitting

6.6.8 LIFT COUNTERBALANCE VALVE (PN.202040000309)



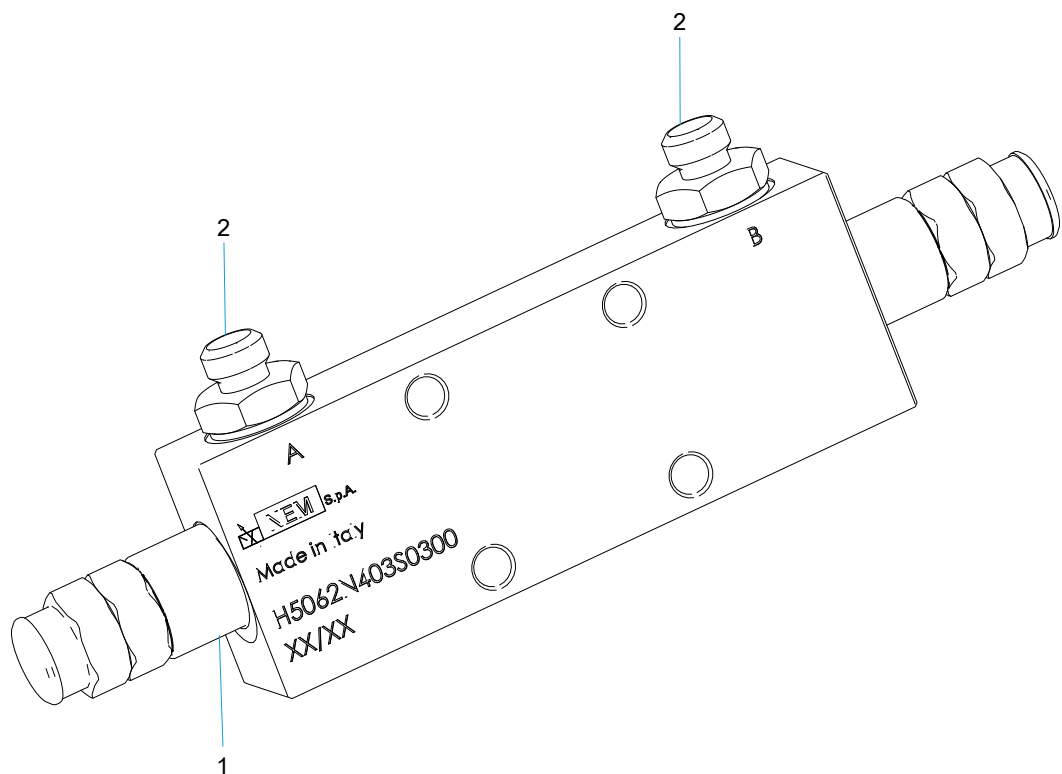
No.	Part No.	Qty.	Description
1	202990003276	2	Counterbalance valve
2	202130003003	2	Damper
3	207060003005	2	O-ring

6.6.9 2-WAY COUNTERBALANCE VALVE AND FITTINGS INSTALLATION



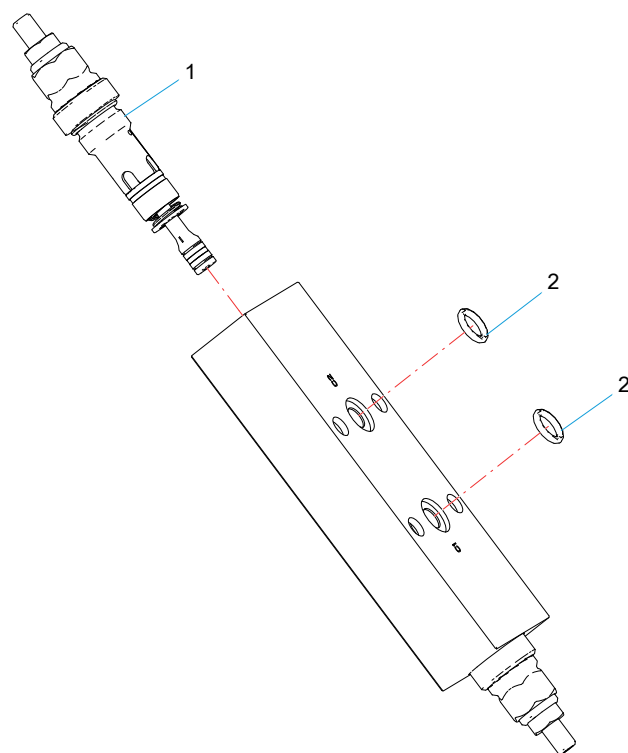
No.	Part No.	Qty.	Description
1	202040000011	1	Counterbalance valve, leveling
2	213010000006	2	Fitting

6.6.10 JIB COUNTERBALANCE VALVE AND FITTINGS INSTALLATION



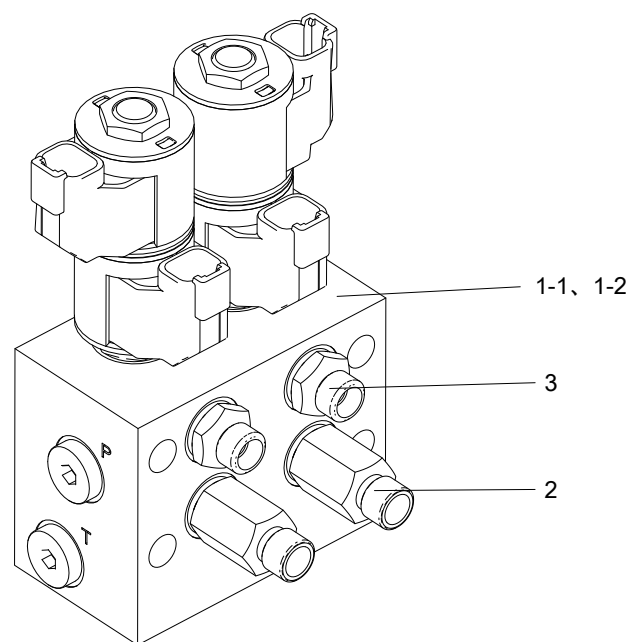
No.	Part No.	Qty.	Description
1	202040000011	1	Counterbalance valve, leveling
2	213010000047	2	Fitting

6.6.11 LEVELING COUNTERBALANCE VALVE (PN.20204000011)



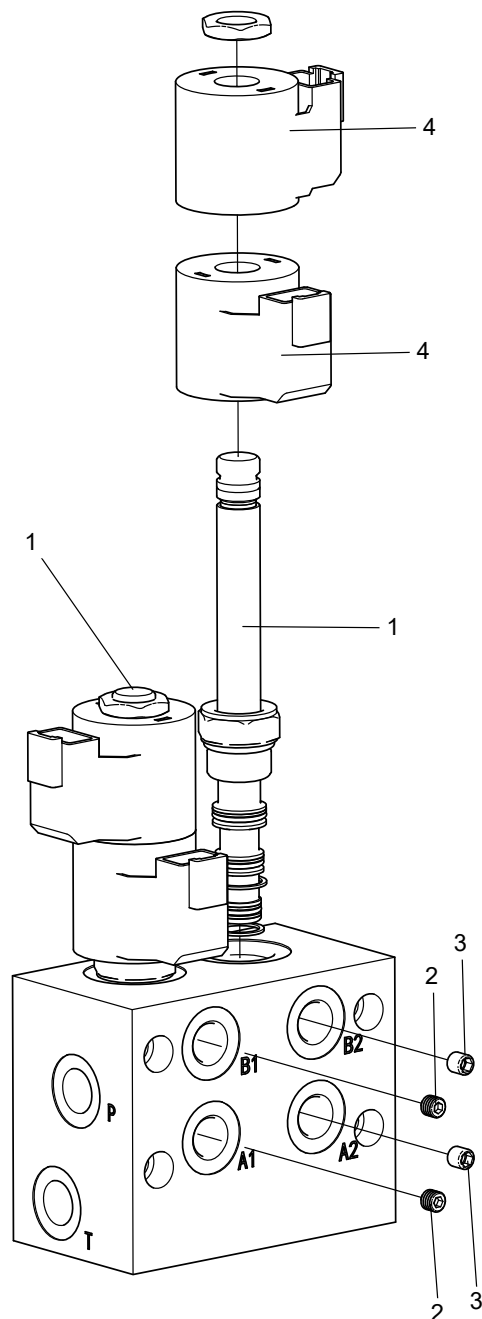
No.	Part No.	Qty.	Description
1	202990003040	2	Counterbalance valve spool
2	207040003003	2	O-ring

6.6.12 PLATFORM DUPLEX VALVE AND FITTINGS INSTALLATION



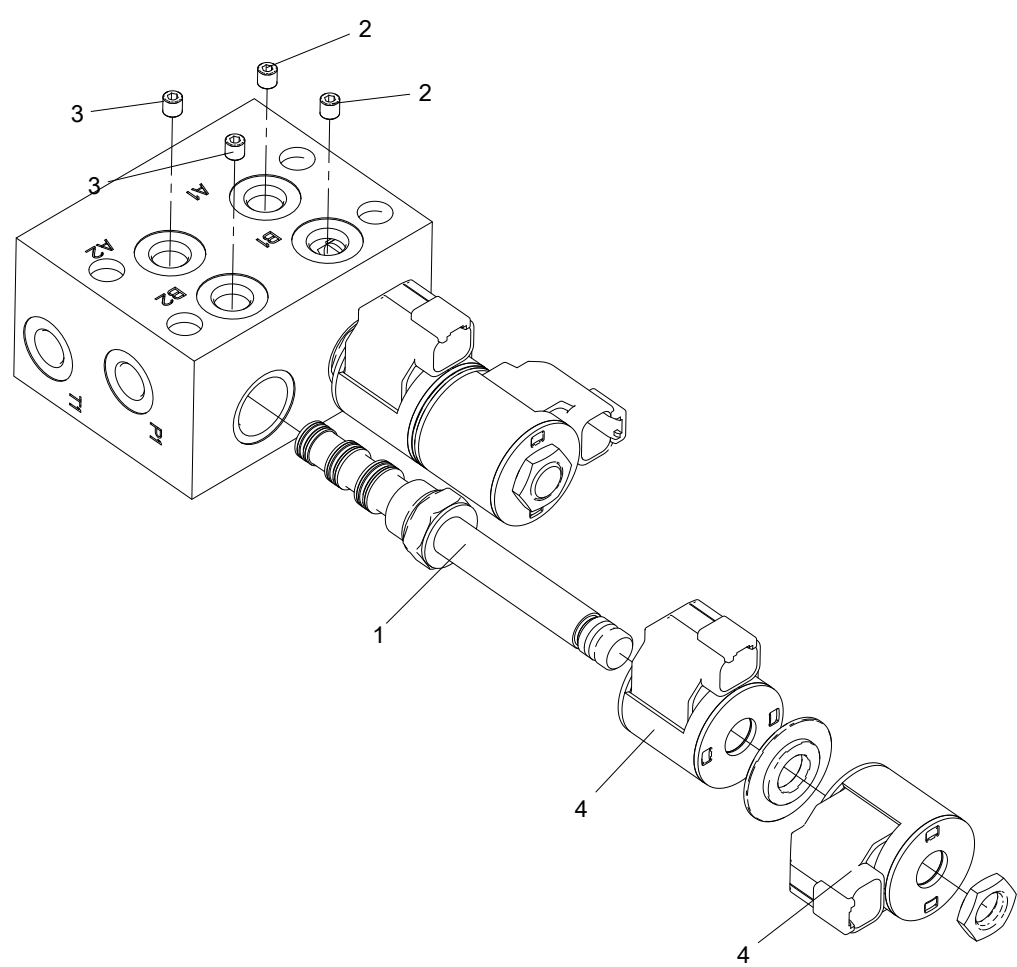
No.	Part No.	Qty.	Description
1-1	202040003259	1	Platform manifold, duplex(1000282)
1-2	202040000329	1	Platform manifold, duplex(1000176)
2	105030050010	2	Fitting, heightened
3	213010000007	2	Fitting

6.6.13 PLATFORM MANIFOLD, DUPLEX(PN.202040003259)



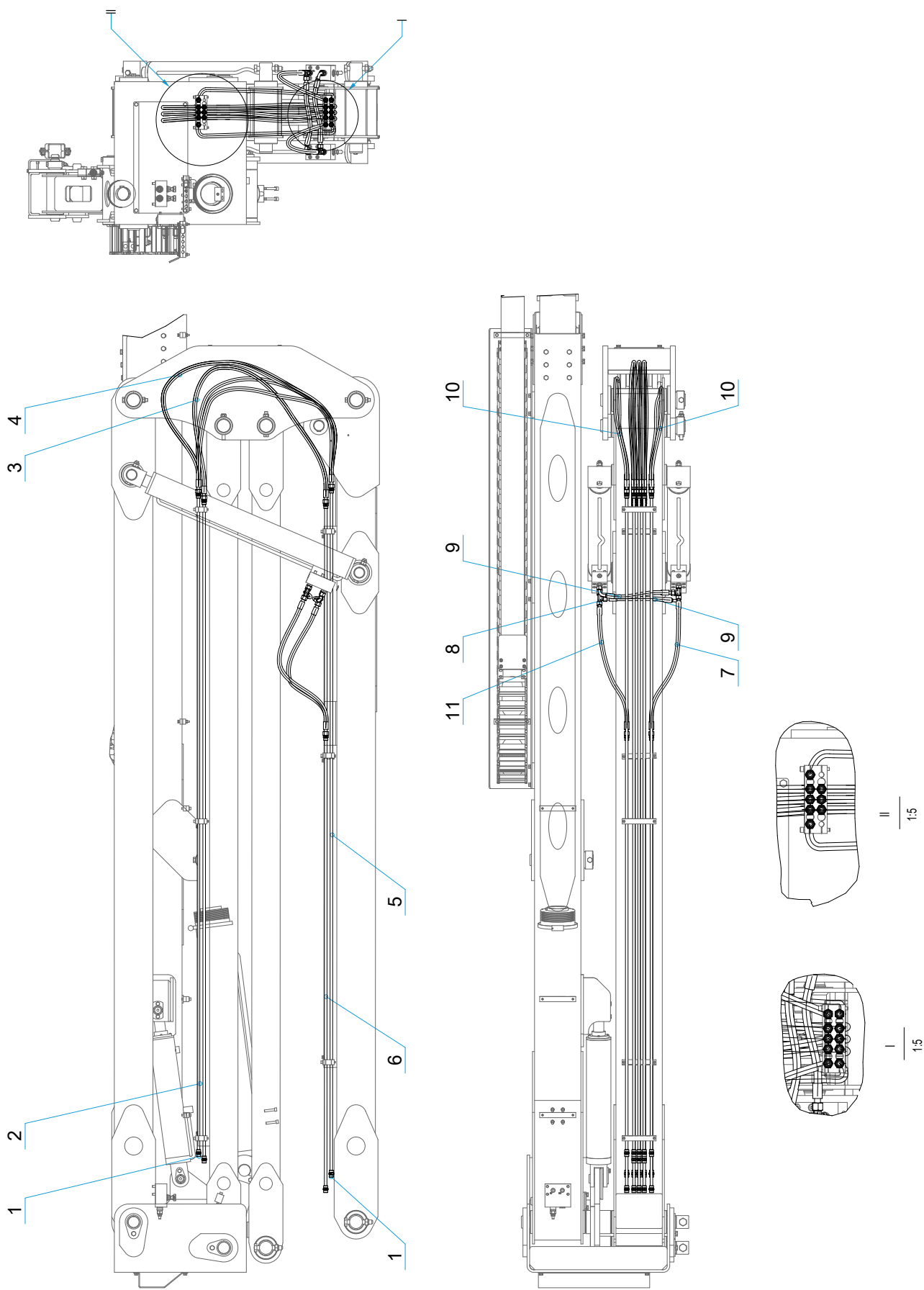
No.	Part No.	Qty.	Description
1	202040000399	2	Solenoid valve
2	202130000008	2	Damper plug
3	202130000001	2	Damper
4	202990003242	4	Coil

6.6.14 PLATFORM DUPLEX VALVE (PN.202040000329)



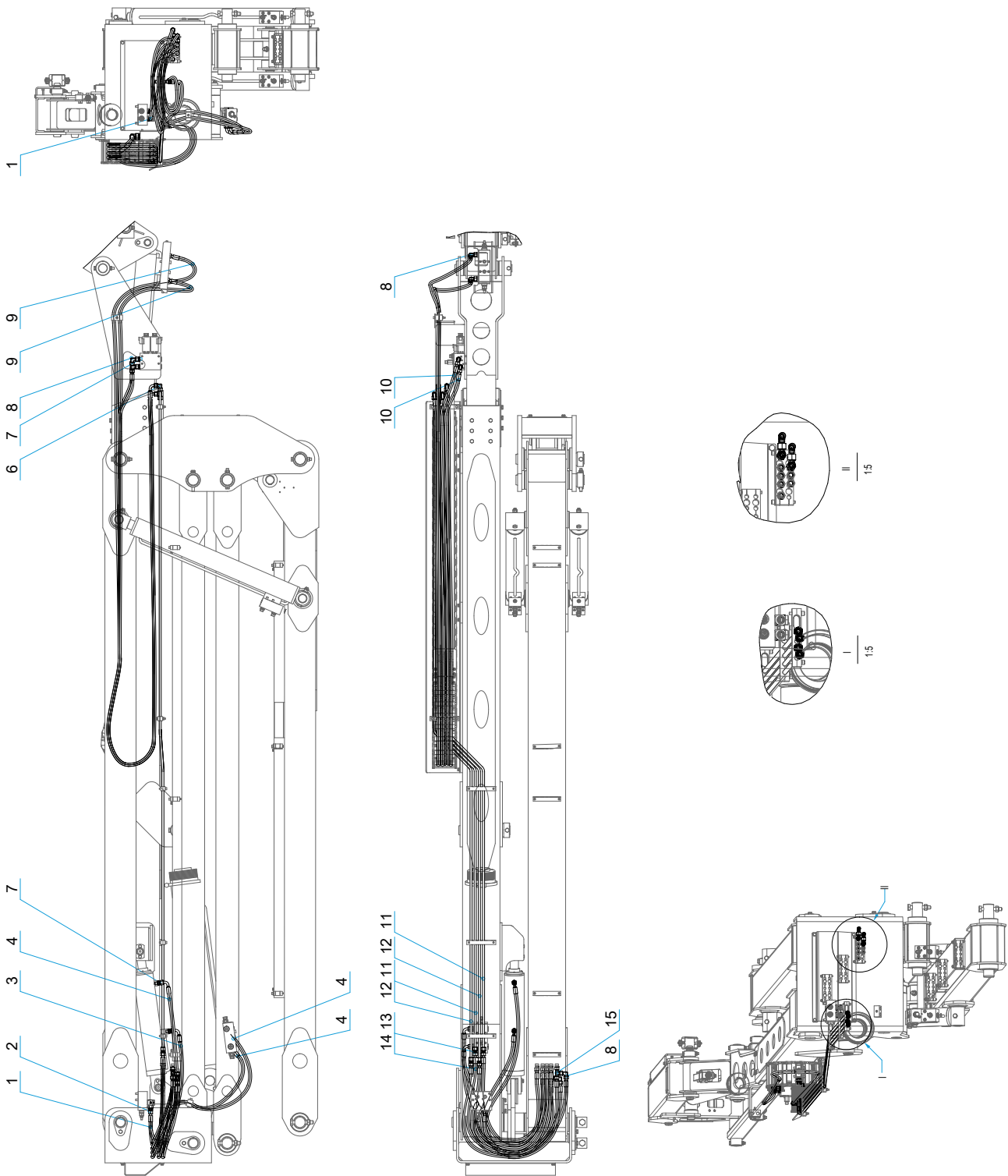
No.	Part No.	Qty.	Description
1	202040000399	2	Solenoid valve
2	202130000008	2	Damper plug
4	202990000037	4	Coil

6.6.15 TOWER BOOM TUBES LAYOUT



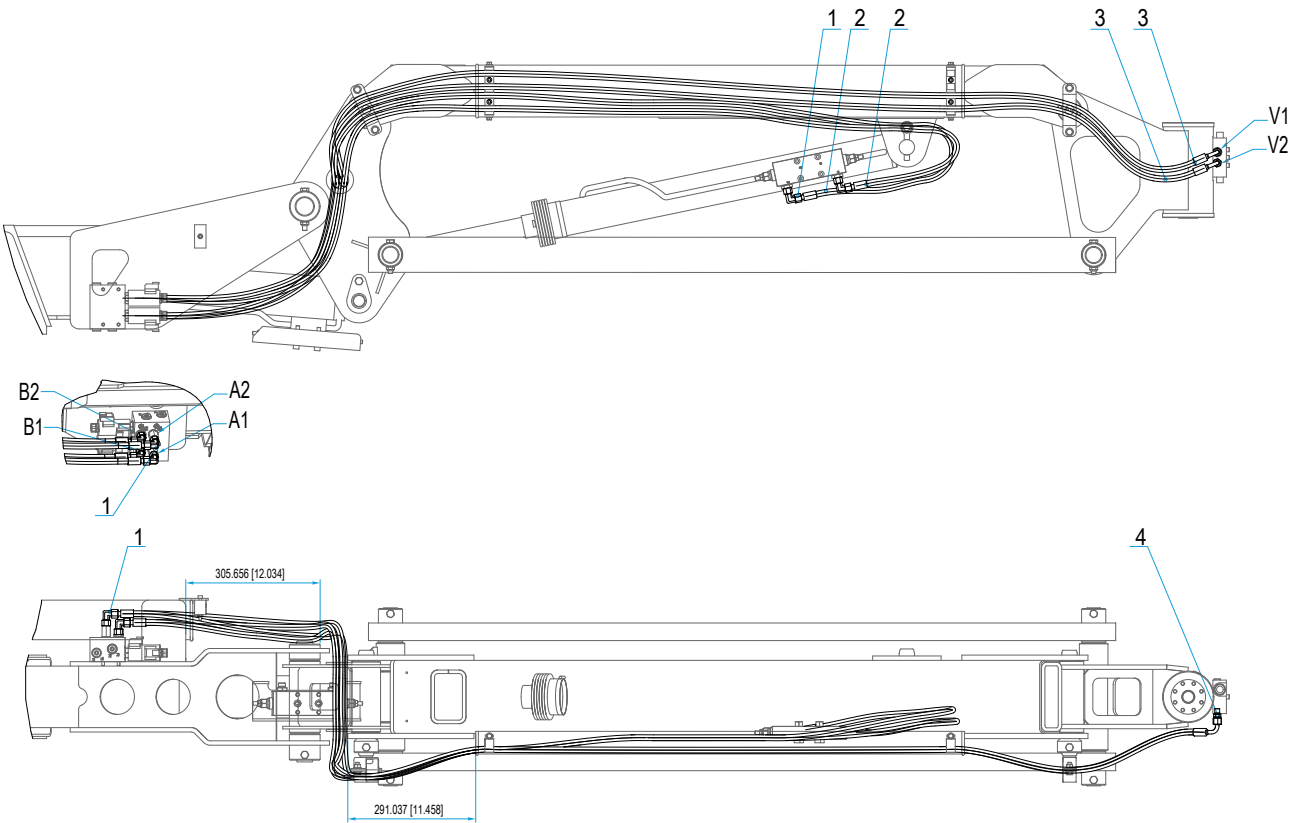
No.	Part No.	Qty.	Description
1	213010000126	36	Coupler
2	104009050051	8	Steel tube
3	213050001371	3	Hose
4	213050000371	3	Hose
5	104009050052	8	Steel pipe
6	104009050049	2	Steel pipe
7	213050000372	1	Hose
8	213010000079	2	Coupler
9	213050000981	2	Hose
10	213050001372	2	Hose
11	213050000953	1	Hose

6.6.16 PIPE LAYOUT DRAWING OF MAIN BOOM



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

6.6.17 PIPE LAYOUT DRAWING OF JIB BOOM

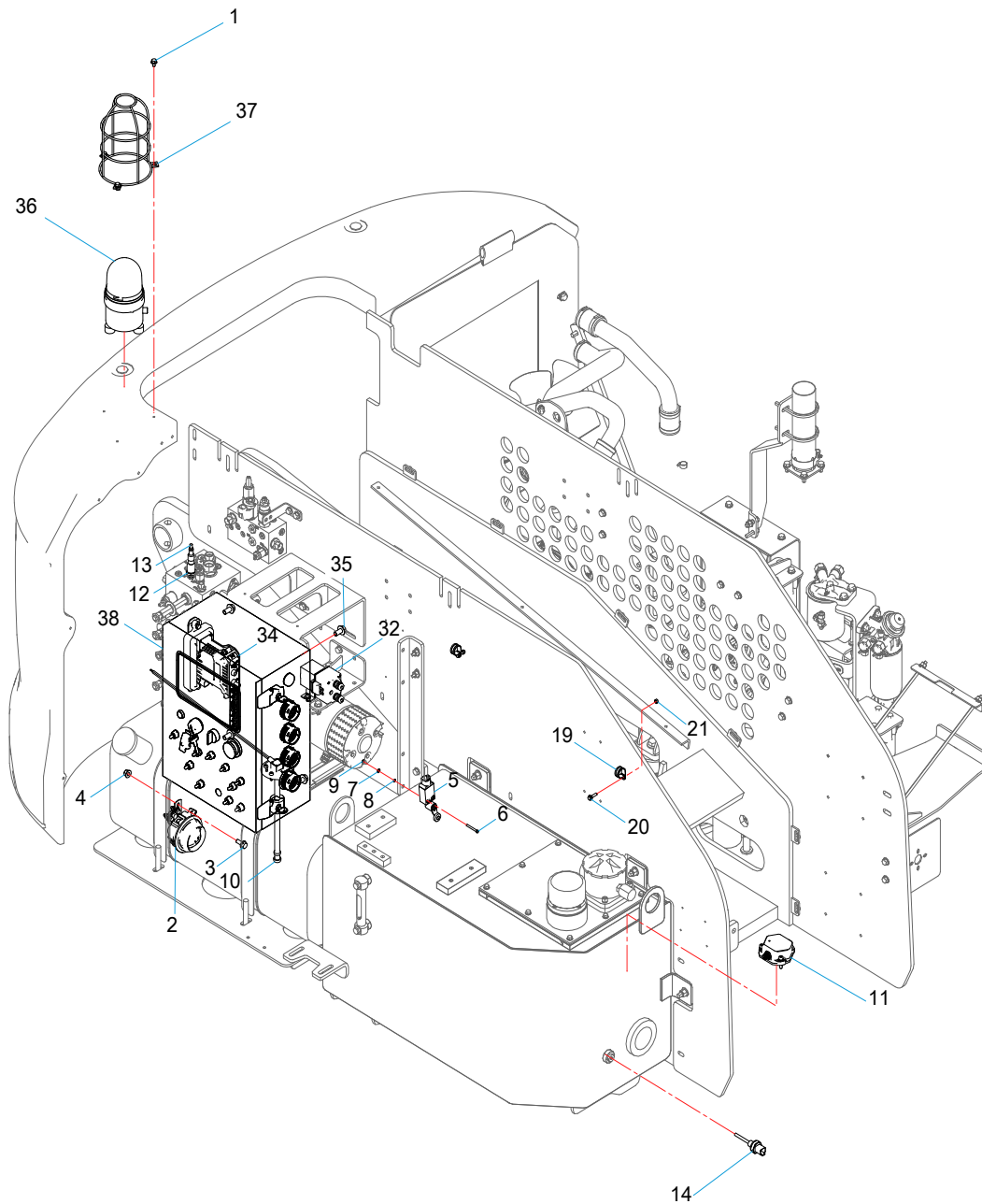


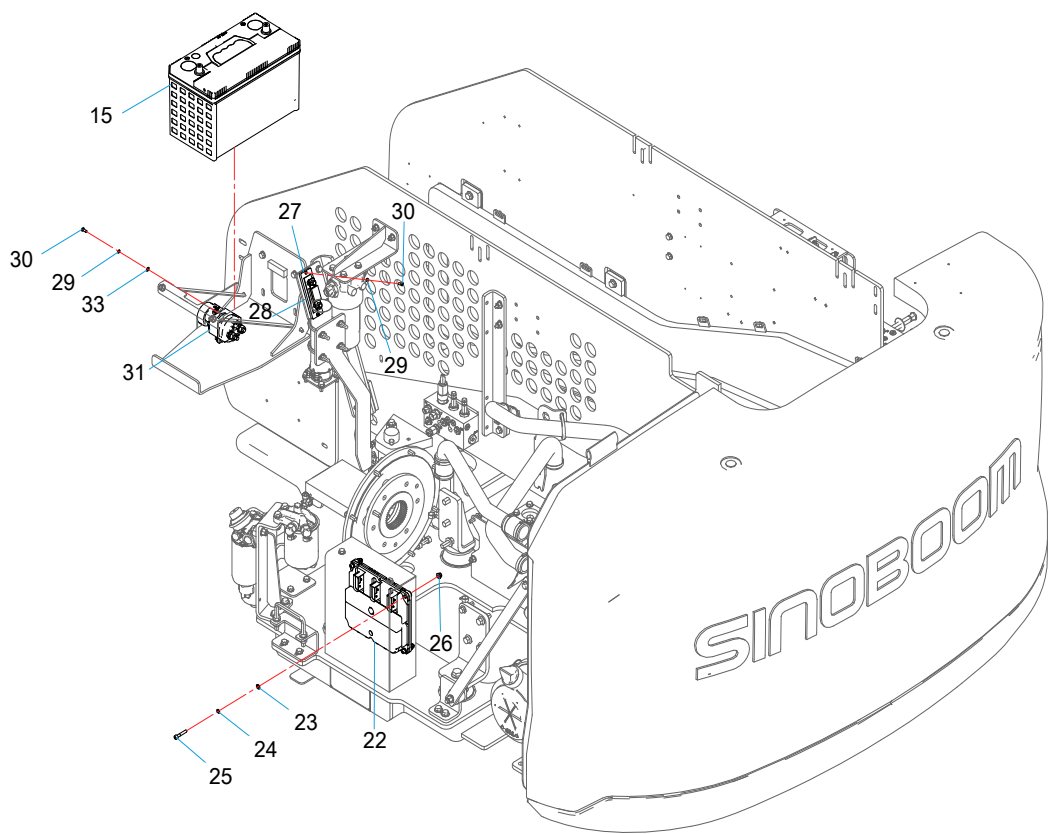
No.	Part No.	Qty.	Description
1	213010000024	6	Coupler
2	213050017107	2	Hose
3	213050012273	2	Hose
4	213010000013	2	Coupler

7 ELECTRICAL SYSTEM

7.1 TURNTABLE ELECTRICAL SYSTEM (CONTINUOUS ROTATION- TURNTABLE LENGTH= 2.328 M)

7.1.1 TURNTABLE ELECTRICAL COMPONENTS INSTALLATION (KUBOTA D1105)

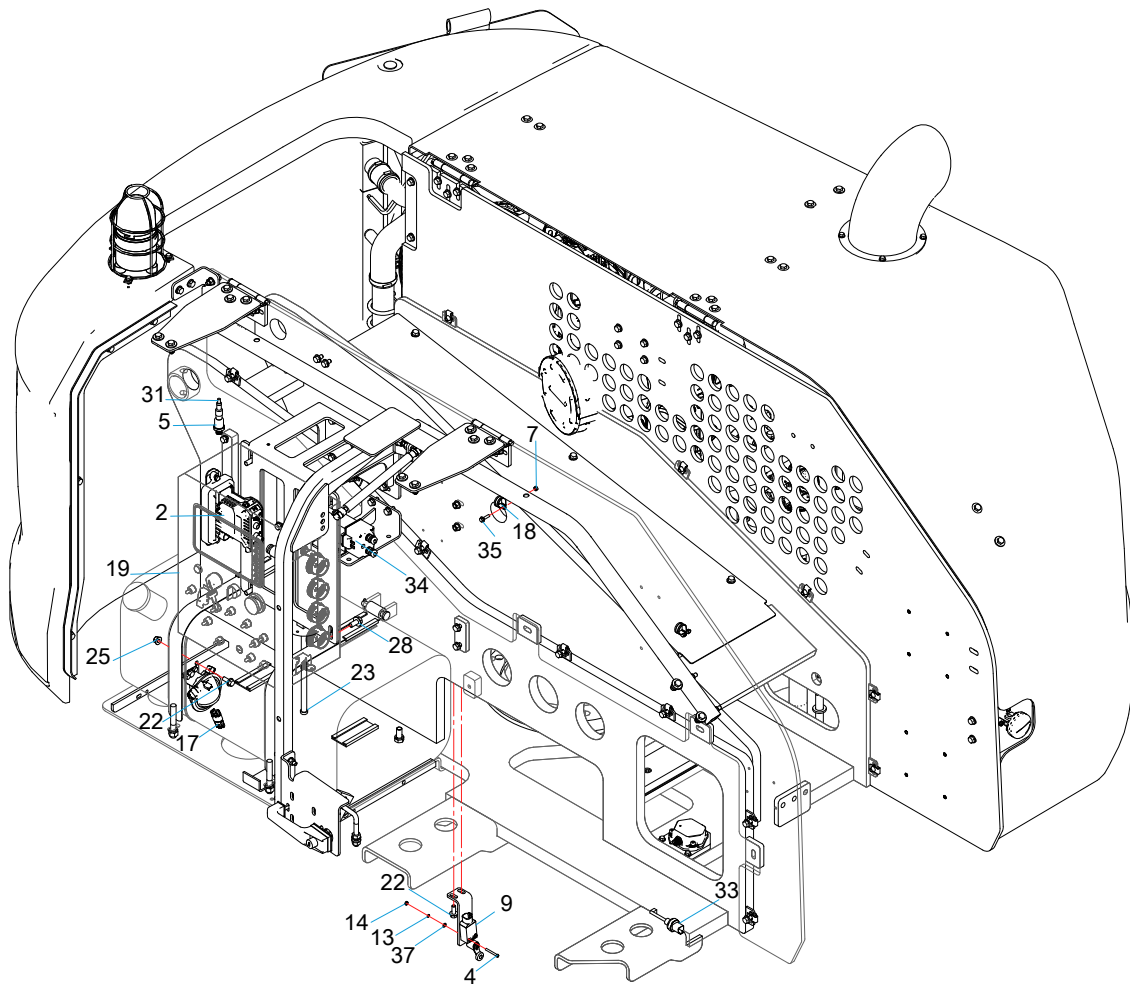


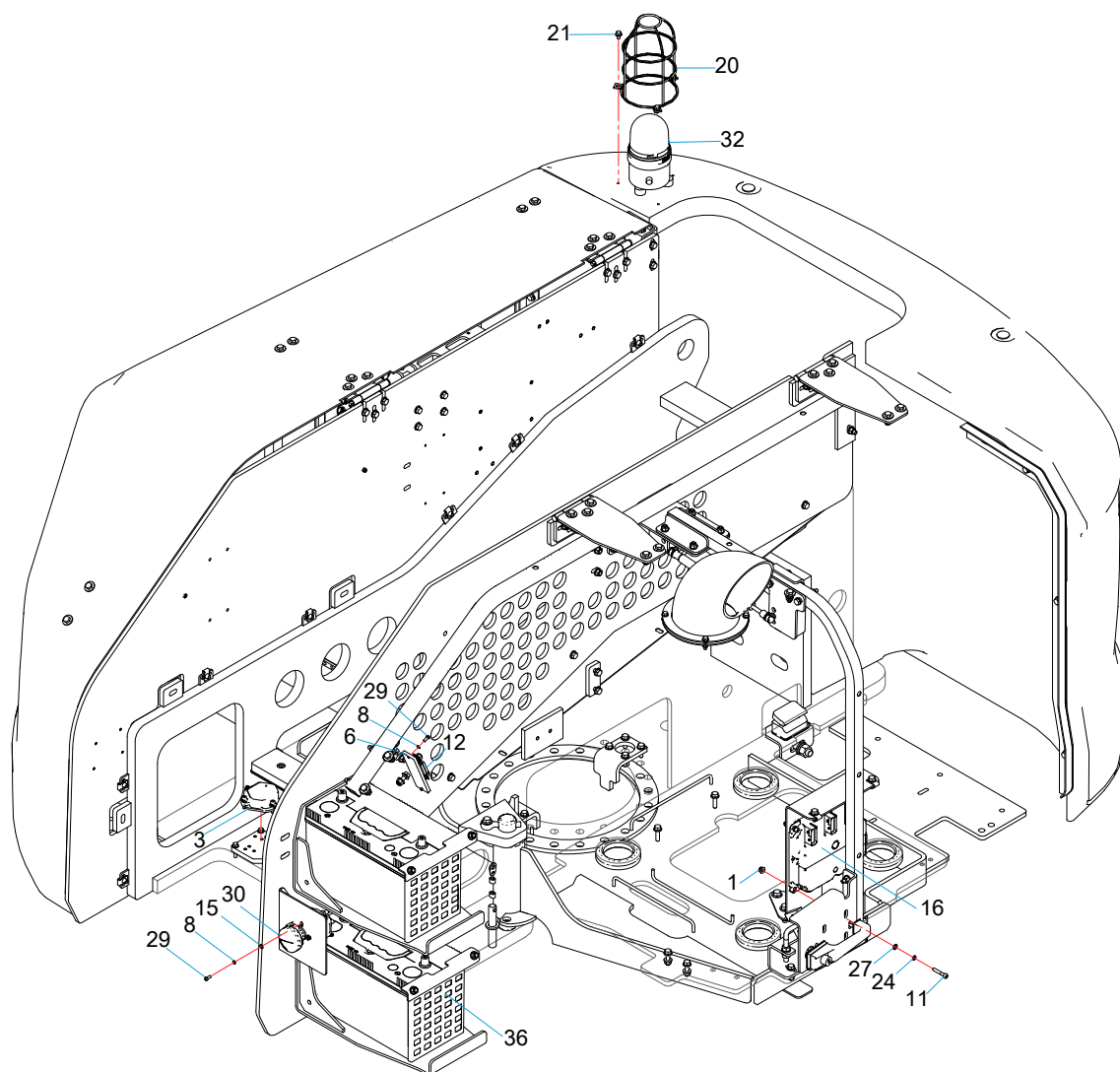


No.	Part No.	Qty.	Description
1	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
2	114012063086	1	Horn option
3	215010000234	1	Bolt M8×20-8.8-ZnD GB/T 5789
4	215030000108	1	Nut M8-8-ZnD GB/T 6183.1
5	203060000146	1	Switch, travel (Schneider)
6	215020000212	2	Screw M4×35-A2-70 GB/T 818
7	215040000031	2	Washer 4-A2 GB/T 97.1
8	215040000002	2	Washer 4-A2-70 GB/T 93
9	215030000002	2	Nut M4-8-A2-70 GB/T 6170
10	104021063133	1	Single-tube level sensor option
10-1	203150000026	1	Single-tube level sensor
10-2	203150003115	1	Single-tube level sensor
11	103010063084	1	OPT, sensor (level)
12	114007063026	1	Pressure sensor option
13	203080003094	1	Plug with cable
14	203150000072	1	Temperature sensor
15	203100003158	1	Maintenance-free battery
16	203080000250	1	Connector, battery (positive and negative in pairs)(no mark)
17	203100000051	1	Sheath, flexible (L, black)(no mark)
18	203100000053	1	Sheath, flexible (L, red)(no mark)
19	216020000024	2	Retaining ring
20	215010000256	2	Bolt M5×20-A2-70 GB/T 5789
21	215030000003	2	Nut M5-A2-70 GB/T 6170
22	203100003241	1	Power switch box
23	215040000033	4	Washer 6-A2 GB/T 97.1
24	215040000004	4	Washer 6-A2-70 GB/T 93
25	215020000015	4	Screw M6×35-A2-70 GB/T 70.1
26	215030000107	4	Nut M6-A2-70 GB/T 6183.1
27	203070000056	1	Fuse holder
28	105084063053	1	OPT, fuse
28-1	203070000048	1	Fuse
28-2	203070003047	1	Fuse
29	215040000003	4	Washer 5-A2-70 GB/T 93
30	215020000110	4	Screw M5×12-A2-70 GB/T 818
31	114004063040	1	Power switch option
32	114015063046	1	Contactor installation option
33	215040000032	2	Washer 5-A2 GB/T 97.1
34	103006063020	1	Options, GPS installation
35	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789

No.	Part No.	Qty.	Description
36	114012063080	1	Caution light option
37	105021060024	1	Guard, light (warning)
38	104030060091	1	OPT, control box ASSY (turntable)

7.1.2 TURNTABLE ELECTRICAL COMPONENTS INSTALLATION (KUBOTA V2403)

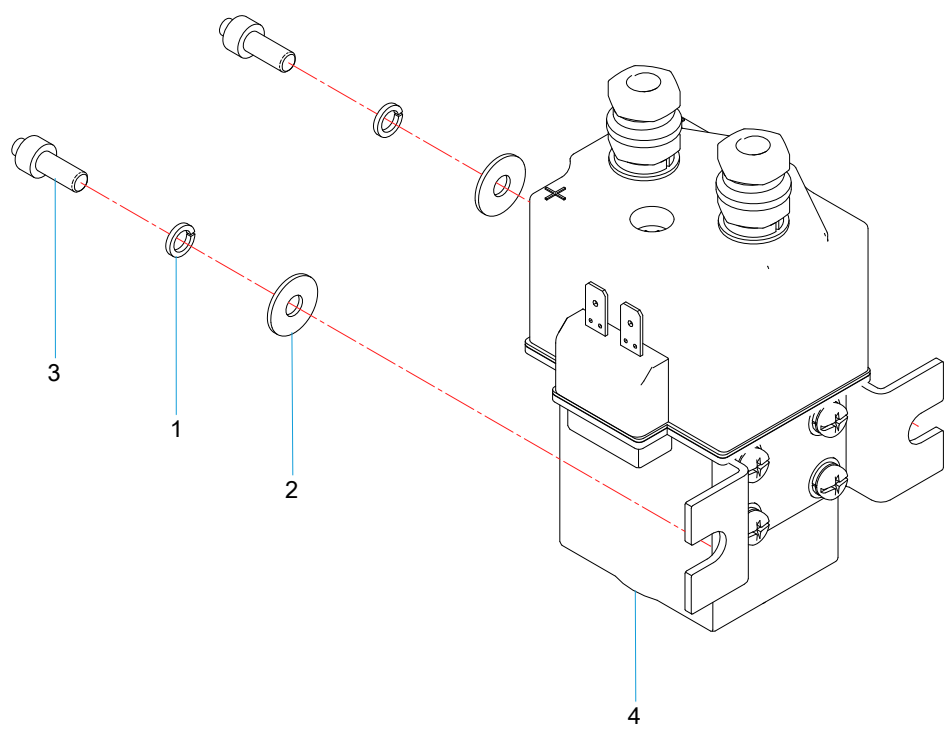




No.	Part No.	Qty.	Description
1	215030000107	4	Nut M6-A2-70 GB/T 6183.1
2	103006063020	1	Options, GPS installation
3	103010063084	1	OPT, sensor (level)
4	215020000212	2	Screw M4×35-A2-70 GB/T 818
5	114007063026		Pressure sensor option
5-1	203150003078	1	Pressure sensor(SC : 1000232)
5-2	203150003087	1	Pressure sensor(SC : 1001007)
6	203070000056	1	Fuse holder
7	215030000003	2	Nut M5-A2-70 GB/T 6170
8	215040000003	4	Washer 5-A2-70 GB/T 93
9	203060000146	1	Switch, travel (Schneider)
10	203080000250	1	Connector, battery (positive and negative in pairs)(no mark)
11	215020000015	4	Screw M6×35-A2-70 GB/T 70.1

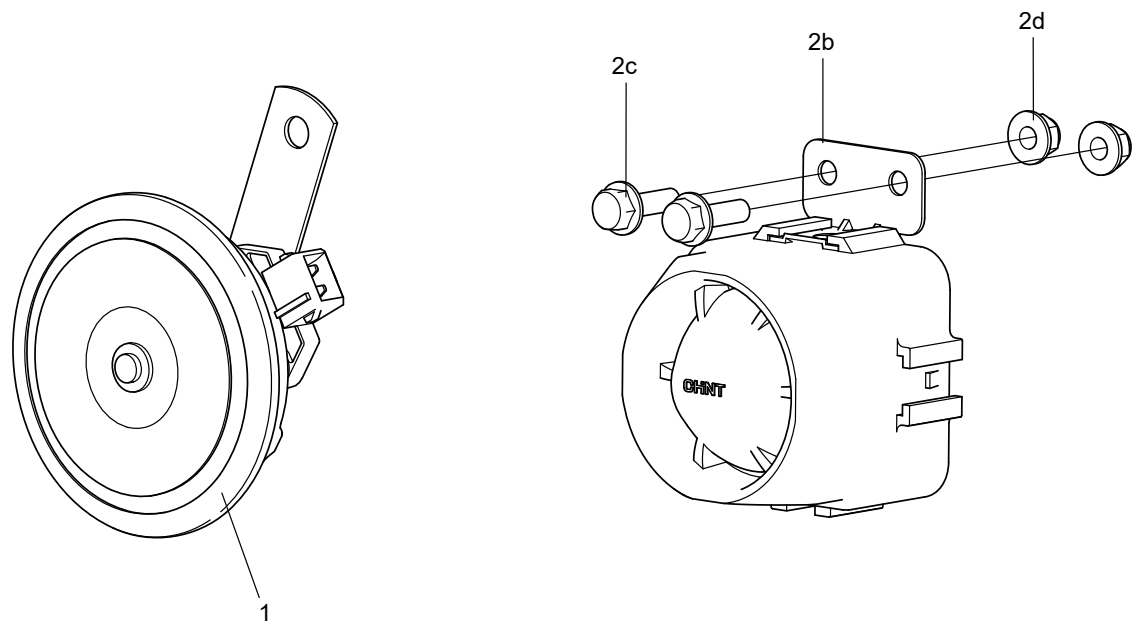
No.	Part No.	Qty.	Description
12	105084063053	1	OPT, fuse
12-1	203070000048		Fuse
12-2	203070003047		Fuse
13	215040000002	2	Washer 4-A2-70 GB/T 93
14	215030000002	2	Nut M4-8-A2-70 GB/T 6170
15	215040000032	2	Washer 5-A2 GB/T 97.1
16	203100003241	1	Power switch box
17	114012063086	1	Horn option
18	216020000024	2	Retaining ring
19	104030060091	1	OPT, control box ASSY (turntable)
20	105021060024	1	Guard, light (warning)
21	215010000229	3	Bolt M6×10-8.8-ZnD GB/T 5789
22	215010000234	1	Bolt M8×20-8.8-ZnD GB/T 5789
23	104021063133	1	Single-tube level sensor option
23-1	203150000026	1	Single-tube level sensor
23-2	203150003115	1	Single-tube level sensor
24	215040000004	4	Washer 6-A2-70 GB/T 93
25	215030000108	1	Nut M8-8-ZnD GB/T 6183.1
26	203100000051	2	Sheath, flexible (L, black)(no mark)
27	215040000033	4	Washer 6-A2 GB/T 97.1
28	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
29	215020000110	4	Screw M5×12-A2-70 GB/T 818
30	114004063040	1	Power switch option
31	203080003094	1	Plug with cable
32	114012063080	1	Caution light option
32-1	203050003017	1	Caution light
32-2	203050003057	1	Caution light
33	203150000072	1	Temperature sensor
34	114015063047	1	Contactor installation
35	215010000256	2	Bolt M5×20-A2-70 GB/T 5789
36	203100003158	1	Maintenance-free battery
37	215040000031	2	Washer 4-A2 GB/T 97.1
38	203100000053	2	Sheath, flexible (L, red)(no mark)

7.1.3 CONTACTOR INSTALLATION



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

7.1.4 HORN OPTION



No.	Part No.	Qty.	Description
1	203050000034	1	Horn
2	114006063072	1	White noise horn installation
2a	104019063047	1	Cable, adapter (warning light)(Not shown)
2b	203050003070	1	White noise horn
2c	215010000231	2	Bolt M6×20-8.8-ZnD GB/T 5789
2d	215030000107	2	Nut M6-A2-70 GB/T 6183.1

7.1.5 CAUTION LIGHT OPTIONS

No.	Part No.	Qty.	Description
	114012063080		Caution light option
1	203050003057	1	Caution light(Volume adjustable)
2	203050003017	1	Caution light(Fixed volume)

7.1.6 PRESSURE SENSOR OPTION

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

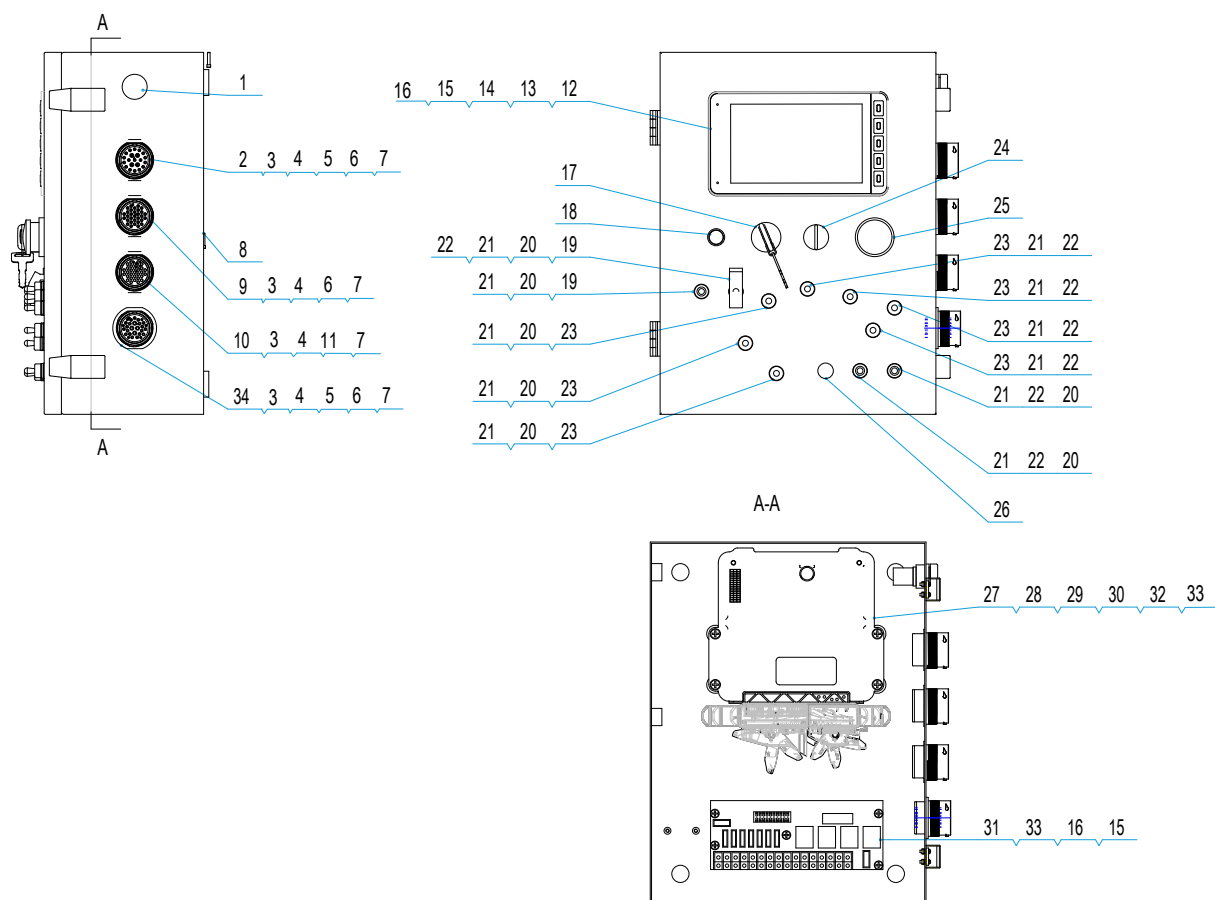
7.1.7 POWER SWITCH OPTIONS

No.	Part No.	Qty.	Description
1	203060003186	1	Power switch (with lock)(SC:1000077)
2	203060003167	1	Power switch(SC:1000200, JK862-B)
3	203060000024	1	Power switch(SC:1000110)
4	203060003137	1	Power switch(SC:1000604)
5	203060003120	1	Power switch(SC:1000200, JK250A)

7.1.8 TURNTABLE CONTROLLER ASSEMBLY OPTIONS

No.	Part No.	Qty.	Description
1	104030060006	1	Turntable controller assembly(D1105)
2	104030060042	1	Control box ASSY, turntable(V2403)
3	104030060244	1	Control box ASSY, turntable (Chile logo)(Chile,V2403)

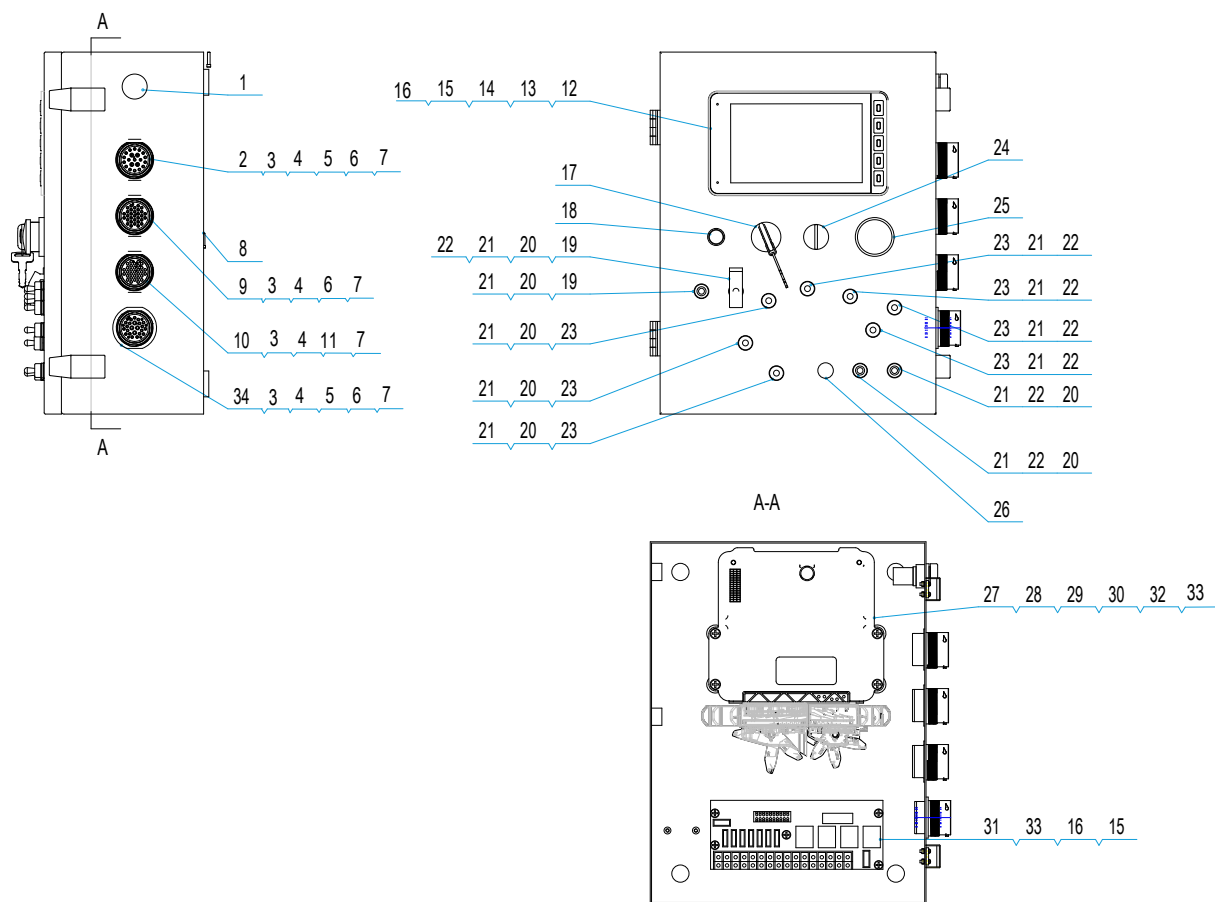
7.1.9 TURNTABLE CONTROLLER ASSEMBLY (PN.104030060244)
(CHILE-LOGO)



No.	Part No.	Qty.	Description
1	203050003021	1	Buzzer
2	203080000518	1	21-pin male terminal sheath
3	203060000098	4	Metal spring plate
4	203060000101	4	Retaining nut
5	203060000103	5	#12 male connector
6	203080000033	39	Male connector
7	203080000068	6	Blind plug
8	104030060001	1	Turntable controller
9	203080000523	1	31-pin male connector sheath
10	203080000516	1	31-pin female connector sheath
11	203080000041	24	Female connector
12	203200003013	1	Screen, display
13	215020000109	4	Screw M5×10-A2-70 GB/T 818
14	215040000003	9	Washer 5-A2-70 GB/T 93

No.	Part No.	Qty.	Description
15	215040000032	9	Washer 5-A2 GB/T 97.1
16	203080003147	1	Connector assembly, SECD-7I0A
17	203060000114	1	Key switch
18	203060000020	1	Button
19	203060000021	3	Toggle switch
20	203080000109	10	Nut
21	203080000101	10	Waterproof cap
22	203060000150	1	Toggle switch guard
23	203060000003	7	Toggle switch
24	203060000029	1	Selector switch
25	203060000142	1	Switch, emergency stop
26	105045060004	2	Controller plug
27	203020000038	1	Controller
28	215040000033	4	Washer 6-A2 GB/T 97.1
29	215040000004	4	Washer 6-A2-70 GB/T 93
30	215020000118	4	Screw M6×25-A2-70 GB/T 818
31	203030000015	1	Relay integration board
32	215020000110	5	Screw M5×12-A2-70 GB/T 818
33	203080000378	1	Connector, controller
34	203080003730	1	29-pin male terminal sheath
35	104021063035	1	Surface film, control box (turntable, Chile logo)(no mark)
36	104030060053	1	Wiring DIAG, control box (turntable)(no mark)
37	104021063057	1	Turntable controller PC mask(no mark)

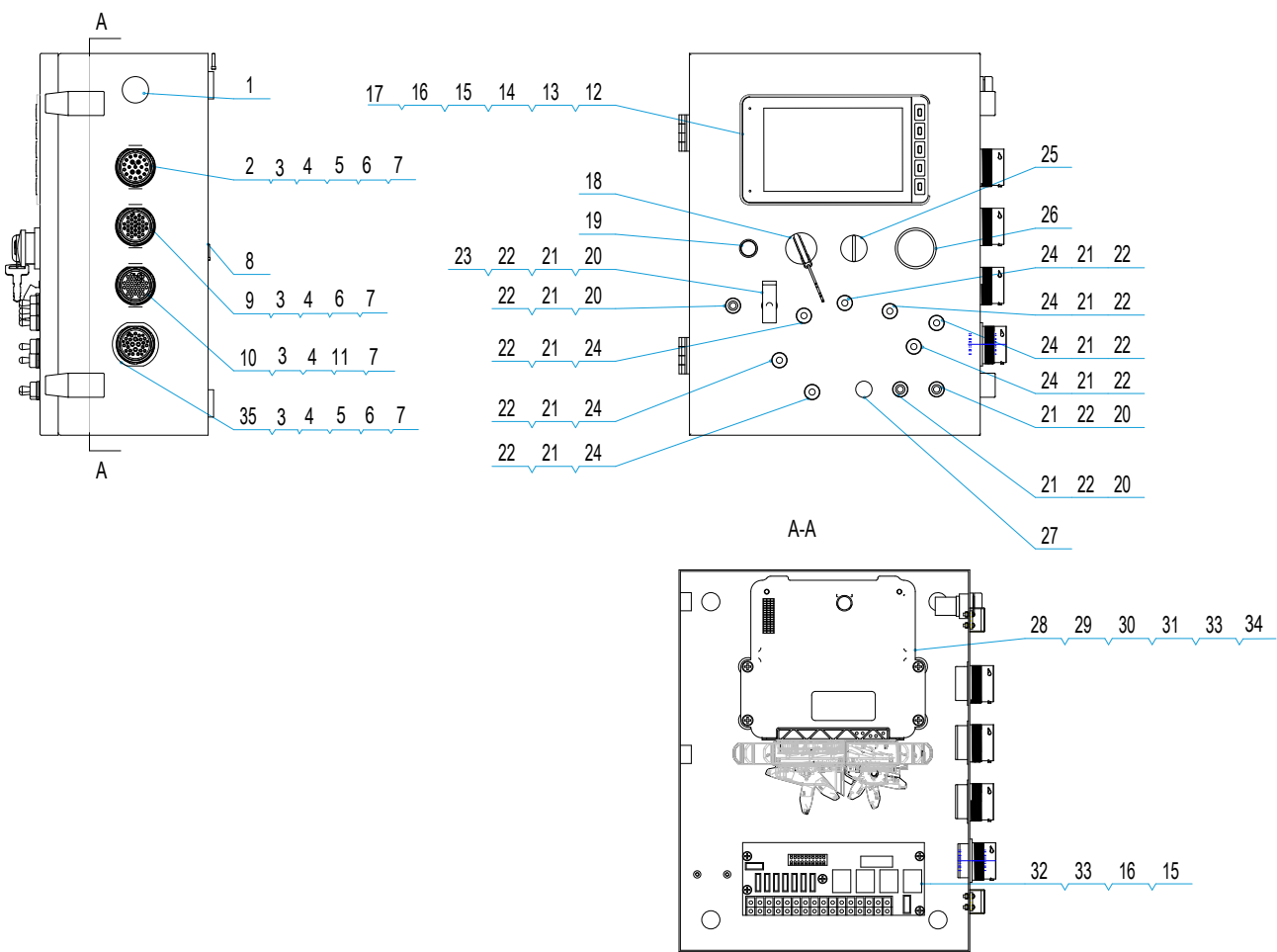
7.1.10 TURNTABLE CONTROLLER ASSEMBLY (PN.104030060042)



No.	Part No.	Qty.	Description
1	203050003021	1	Buzzer
2	203080000518	1	21-pin male terminal sheath
3	203060000098	4	Metal spring plate
4	203060000101	4	Retaining nut
5	203060000103	5	#12 male connector
6	203080000033	39	Male connector
7	203080000068	6	Blind plug
8	104030060001	1	Turntable controller
9	203080000523	1	31-pin male connector sheath
10	203080000516	1	31-pin female connector sheath
11	203080000041	24	Female connector
12	203200003013	1	Screen, display
13	215020000109	4	Screw M5×10-A2-70 GB/T 818
14	215040000003	9	Washer 5-A2-70 GB/T 93
15	215040000032	9	Washer 5-A2 GB/T 97.1

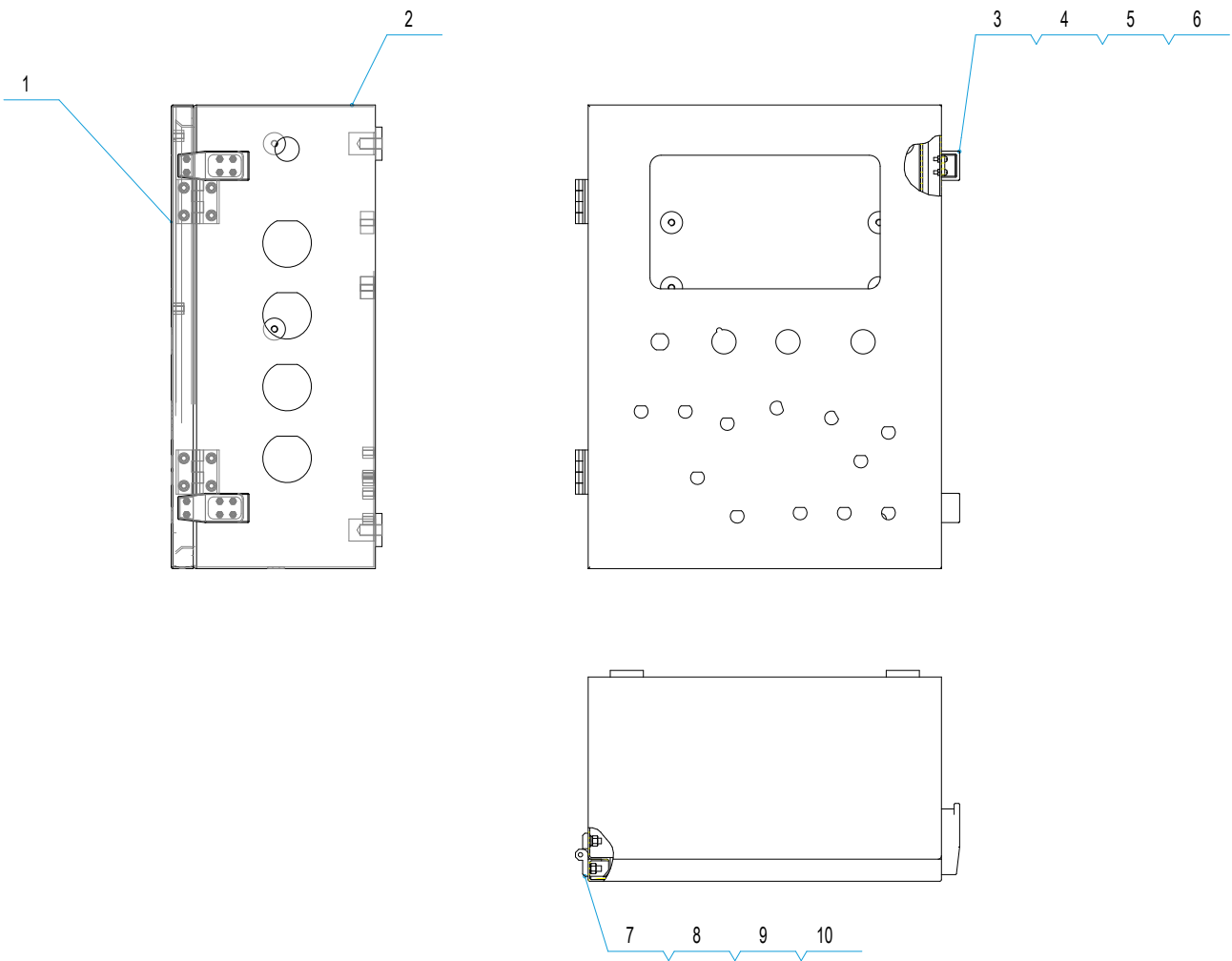
No.	Part No.	Qty.	Description
16	203080003147	1	Connector assembly, SECD-710A
17	203060000114	1	Key switch
18	203060000020	1	Button
19	203060000021	3	Toggle switch
20	203080000109	10	Nut
21	203080000101	10	Waterproof cap
22	203060000150	1	Toggle switch guard
23	203060000003	7	Toggle switch
24	203060000029	1	Selector switch
25	203060000142	1	Switch, emergency stop
26	105045060004	2	Controller plug
27	203020000038	1	Controller
28	215040000033	4	Washer 6-A2 GB/T 97.1
29	215040000004	4	Washer 6-A2-70 GB/T 93
30	215020000118	4	Screw M6×25-A2-70 GB/T 818
31	203030000015	1	Relay integration board
32	215020000110	5	Screw M5×12-A2-70 GB/T 818
33	203080000378	1	Connector, controller
34	203080003730	1	29-pin male terminal sheath
35	104020060001	1	Turntable controller face mask
36	104030060053	1	Wiring DIAG, control box (turntable)(no mark)
37	104021063057	1	Turntable controller PC mask(no mark)

7.1.11 TURNTABLE CONTROLLER ASSEMBLY (PN.104030060006)



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

7.1.12 TURNTABLE CONTROLLER (PN.104030060001)

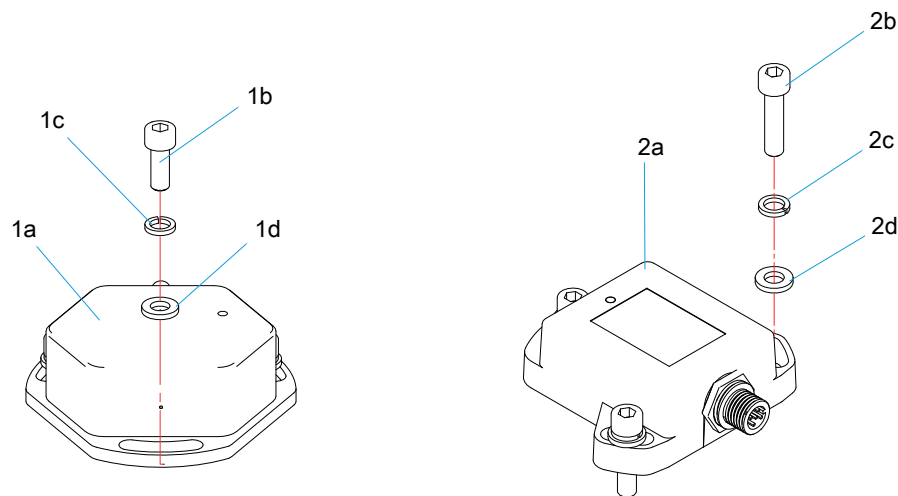


No.	Part No.	Qty.	Description
1	104020060017	1	Panel ASSY, control box (turntable)
2	104029060003	1	Base ASSY, control box (turntable)
3	203060000025	2	Latch
4	215020000100	12	Screw M3×10-A2-70 GB/T 818
5	215040000001	12	Washer 3-A2-70 GB/T 93
6	215030000001	12	Nut M3-A2-70 GB/T 6170
7	209050000022	2	Hinge
8	215040000003	8	Washer 5-A2-70 GB/T 93
9	215040000032	8	Washer 5-A2 GB/T 97.1
10	215030000003	8	Nut M5-A2-70 GB/T 6170

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	6	Female connector
5	203080000068	8	Blind plug
6	203080000032	3	Lock
7	203080000404	3	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	203080003245	4	Terminal
27	203080003103	1	Waterproof hose
28	203080004084	1	Sheath

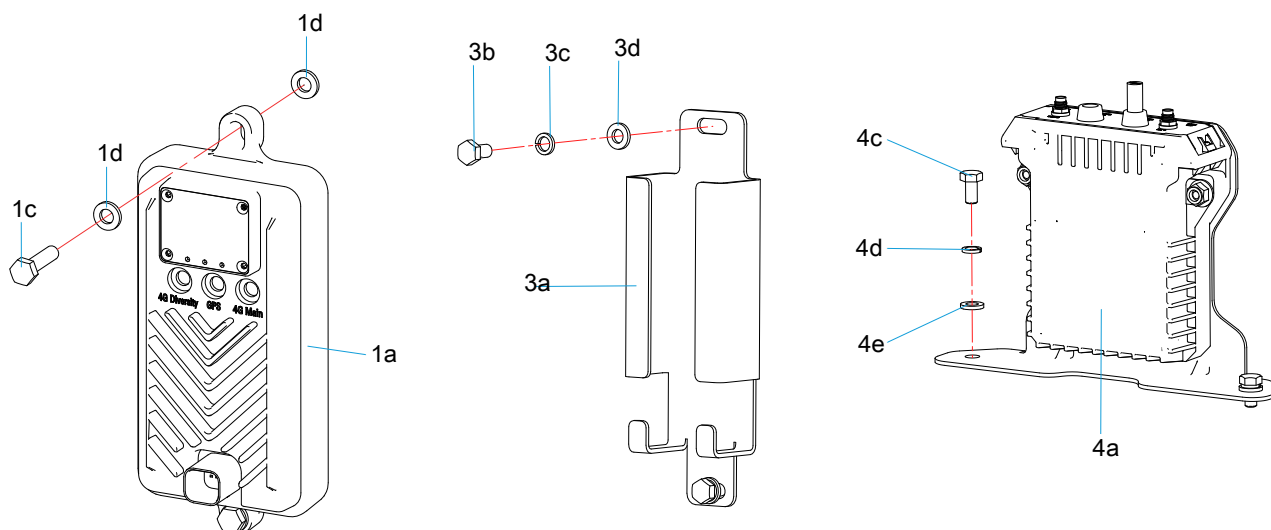
No.	Part No.	Qty.	Description
	104030060010	1	Turntable controller wiring diagram
1	203080000036	29	Cold-pressed terminal
2	203080000022	1	Heat shrink tube
3	203080000023	6	Ring tongue terminal
4	203080000041	2	Female connector
5	203080000068	2	Blind plug
6	203080000032	1	Lock
7	203080000404	1	Sheath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

7.1.15 LEVEL SENSOR OPTIONS



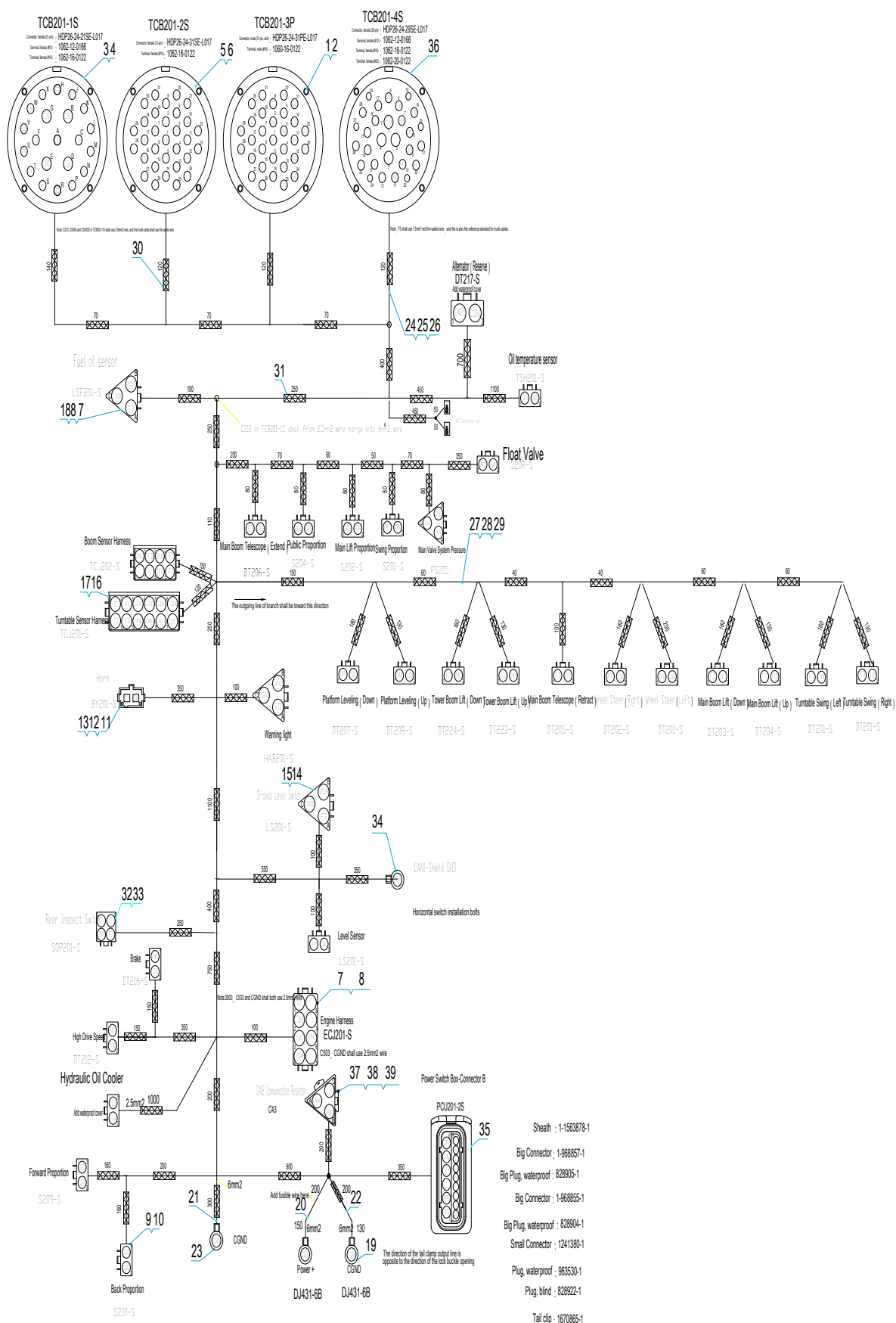
No.	Part No.	Qty.	Description
1	114015063095		INST, sensor (level)
1a	203990003045	1	Angle sensor
1b	215020000011	3	Screw M6×16-A2-70 GB/T 70.1
1c	215040000004	3	Washer 6-A2-70 GB/T 93
1d	215040000033	3	Washer 6-A2 GB/T 97.1
2	114015063104		INST, sensor (level)
2a	203150003084	1	Angle sensor
2b	215020000013	3	Screw M6×25-A2-70 GB/T 70.1
2c	215040000004	3	Washer 6-A2-70 GB/T 93
2d	215040000033	3	Washer 6-A2 GB/T 97.1

7.1.16 GPS INSTALLATION OPTIONS



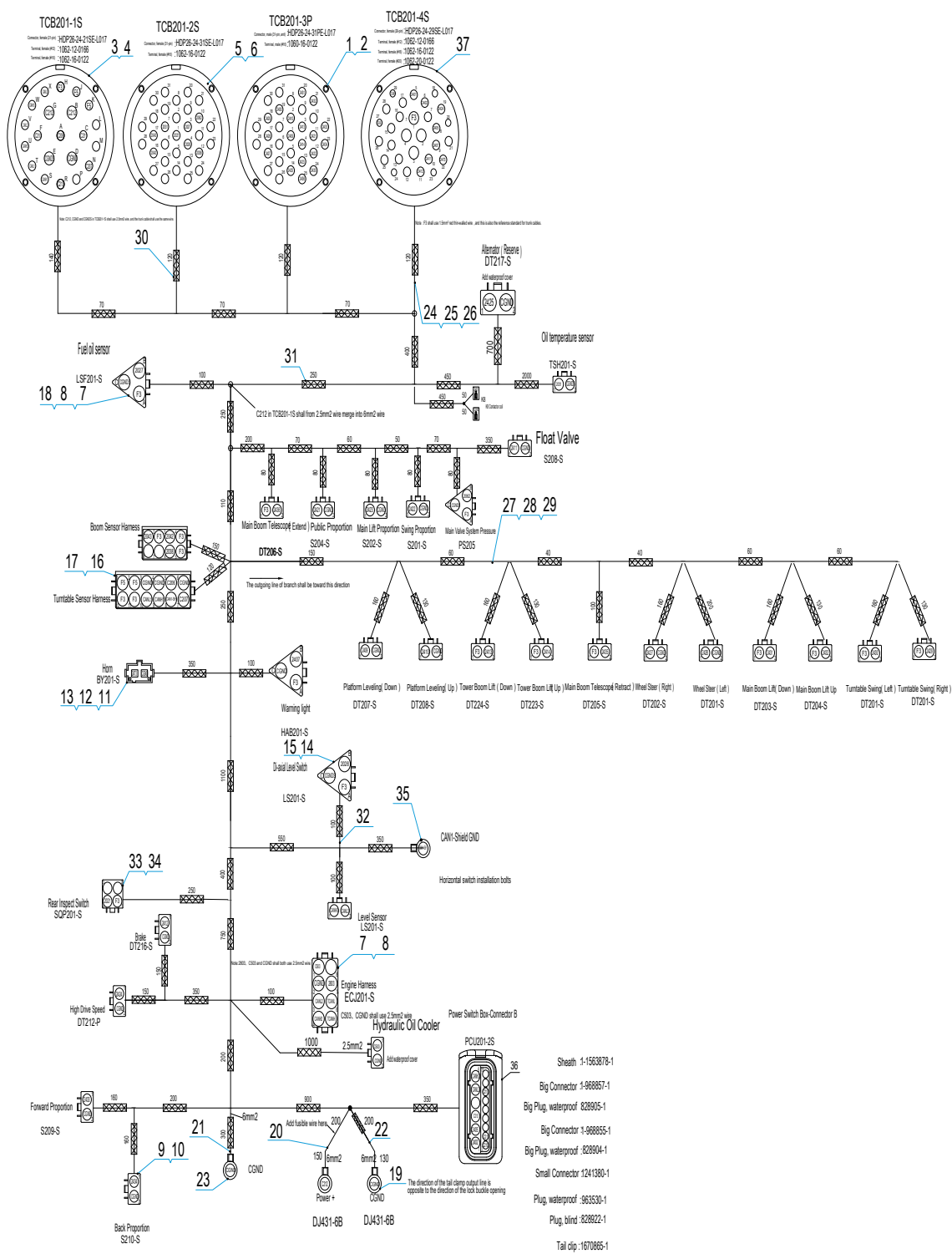
No.	Part No.	Qty.	Description
1	103006063019		GPS installation(SC : 1000577, for Rootcloud GPS)
1a	203150003021	1	GPS module
1b	203150003022	1	GPS/LTE antenna(Not shown)
1c	215010003054	2	Nylon Bolt M6×25-4.8-PA66
1d	215040003034	4	Nylon Washer 6-PA66
2	105055063004		GPS installation(For Hornet GPS)
2a	105055063003	1	Cable, adapter (Huatie)(Not shown)
2b	203990003077	1	T-Box, Hornet(Not shown)
3	103010063095		INST, GPS (Trackunit)
3a	105071020002	1	Plate
3b	215010000049	2	Bolt M6×12-A2-70 GB/T 5783
3c	215040000004	2	Washer 6-A2-70 GB/T 93
3d	215040000033	2	Washer 6-A2 GB/T 97.1
4	104032060055	1	INST, GPS(SC:1001036)
4a	203990003066	1	GPS module (4G)
4b	203990003067	1	GPS/LTE antenna(Not shown)
4c	215010000049	2	Bolt M6×12-A2-70 GB/T 5783
4d	215040000004	2	Washer 6-A2-70 GB/T 93
4e	215040000033	2	Washer 6-A2 GB/T 97.1

7.1.17 TURNTABLE HARNESS (PN.104030060149)



No.	Part No.	Qty.	Description
1	203080000515	1	31-pin male sheath
2	203080000033	26	Male connector
3	203080000517	1	21-pin female terminal sheath
4	203060000097	4	#12 female terminal
5	203080000520	1	31-pin female terminal sheath
6	203080000041	128	Female connector
7	203080000406	3	Sheath
8	203080000016	2	Lock
9	203080000410	23	Sheath
10	203080000016	23	Lock
11	203080000427	1	Sheath
12	203080000428	2	Female pin
13	203080000429	1	Waterproof cap
14	203080000404	4	Sheath
15	203080000032	4	Lock
16	203080000414	1	Sheath
17	203080000159	1	Lock
18	203080000068	31	Blind plug
19	203080000133	2	Terminal, blade-hole type
20	203080000161	5	Cable
21	203080000030	1	Heat shrink tube
22	203080000191	5	Cable
23	203080000244	1	Terminal,round top insulated
24	203080000564	150	Thin-wall wire
25	203080000563	60	Thin-wall wire
26	203080000562	40	Thin-wall wire
27	203080003289	6	Corrugated pipe
28	203080003288	4	Corrugated pipe
29	203080000037	2	Corrugated pipe
30	203080003286	1	Corrugated pipe
31	203080000135	1	Corrugated pipe (Black)
32	203080000044	1	Sheath
33	203080000020	1	Lock
34	203080000408	1	Sheath
35	203080003846	1	Connector
36	203080003731	1	29-pin female terminal sheath
37	203080000405	1	Sheath
38	203080004379	1	Lock
39	203080000086	1	Connector

7.1.18 TURNTABLE HARNESS (PN.104030060043)



No.	Part No.	Qty.	Description
1	203080000515	1	31-pin male sheath
2	203080000033	26	Male connector
3	203080000517	1	21-pin female terminal sheath
4	203060000097	4	#12 female terminal
5	203080000520	1	31-pin female terminal sheath
6	203080000041	128	Female connector
7	203080000406	3	Sheath
8	203080000016	2	Lock
9	203080000410	23	Sheath
10	203080000016	23	Lock
11	203080000427	1	Sheath
12	203080000428	2	Female pin
13	203080000429	1	Waterproof cap
14	203080000404	4	Sheath
15	203080000032	4	Lock
16	203080000414	1	Sheath
17	203080000159	1	Lock
18	203080000068	31	Blind plug
19	203080000133	2	Terminal, blade-hole type
20	203080000161	5	Cable
21	203080000030	1	Heat shrink tube
22	203080000191	5	Cable
23	203080000244	1	Terminal,round top insulated
24	203080000564	150	Thin-wall wire
25	203080000563	60	Thin-wall wire
26	203080000562	40	Thin-wall wire
27	203080003289	6	Corrugated pipe
28	203080003288	4	Corrugated pipe
29	203080000037	2	Corrugated pipe
30	203080003286	1	Corrugated pipe
31	203080000135	1	Corrugated pipe (Black)
32	203080000508	1	End clip
33	203080000044	1	Sheath
34	203080000020	1	Lock
35	203080000408	1	Sheath
36	203080003846	1	Connector
37	203080003731	1	29-pin female terminal sheath

The diagram illustrates the electrical wiring for the auxiliary unit and engine glow plug. It is divided into two main sections: the Auxiliary Unit and the Engine Glow Plug.

Auxiliary Unit Section:

- The **Auxiliary Unit** is connected to the **Auxiliary Unit Contactor** (SC35-8) via terminal 3.
- The **Auxiliary Unit Contactor** is connected to the **Auxiliary Unit** via terminal 4.
- The **Auxiliary Unit** is connected to the **Auxiliary Unit Contactor** via terminal 5.
- The **Auxiliary Unit** is connected to the **Auxiliary Unit Contactor** via terminal 6.
- The **Auxiliary Unit** is connected to the **Auxiliary Unit Contactor** via terminal 7.
- The **Auxiliary Unit** is connected to the **Auxiliary Unit Contactor** via terminal 8.
- The **Auxiliary Unit** is connected to the **Auxiliary Unit Contactor** via terminal 9.
- The **Auxiliary Unit** is connected to the **Auxiliary Unit Contactor** via terminal 10.
- The **Auxiliary Unit** is connected to the **Auxiliary Unit Contactor** via terminal 11.
- The **Auxiliary Unit** is connected to the **Auxiliary Unit Contactor** via terminal 12.

Engine Glow Plug Section:

- The **Engine Glow Plug** is connected to the **Engine Glow Plug Relay** (SC70-8) via terminal 1.
- The **Engine Glow Plug Relay** is connected to the **Engine Glow Plug** via terminal 2.
- The **Engine Glow Plug** is connected to the **Engine Glow Plug Relay** via terminal 3.
- The **Engine Glow Plug** is connected to the **Engine Glow Plug Relay** via terminal 4.
- The **Engine Glow Plug** is connected to the **Engine Glow Plug Relay** via terminal 5.
- The **Engine Glow Plug** is connected to the **Engine Glow Plug Relay** via terminal 6.
- The **Engine Glow Plug** is connected to the **Engine Glow Plug Relay** via terminal 7.
- The **Engine Glow Plug** is connected to the **Engine Glow Plug Relay** via terminal 8.
- The **Engine Glow Plug** is connected to the **Engine Glow Plug Relay** via terminal 9.
- The **Engine Glow Plug** is connected to the **Engine Glow Plug Relay** via terminal 10.
- The **Engine Glow Plug** is connected to the **Engine Glow Plug Relay** via terminal 11.
- The **Engine Glow Plug** is connected to the **Engine Glow Plug Relay** via terminal 12.

Engine Starter Section:

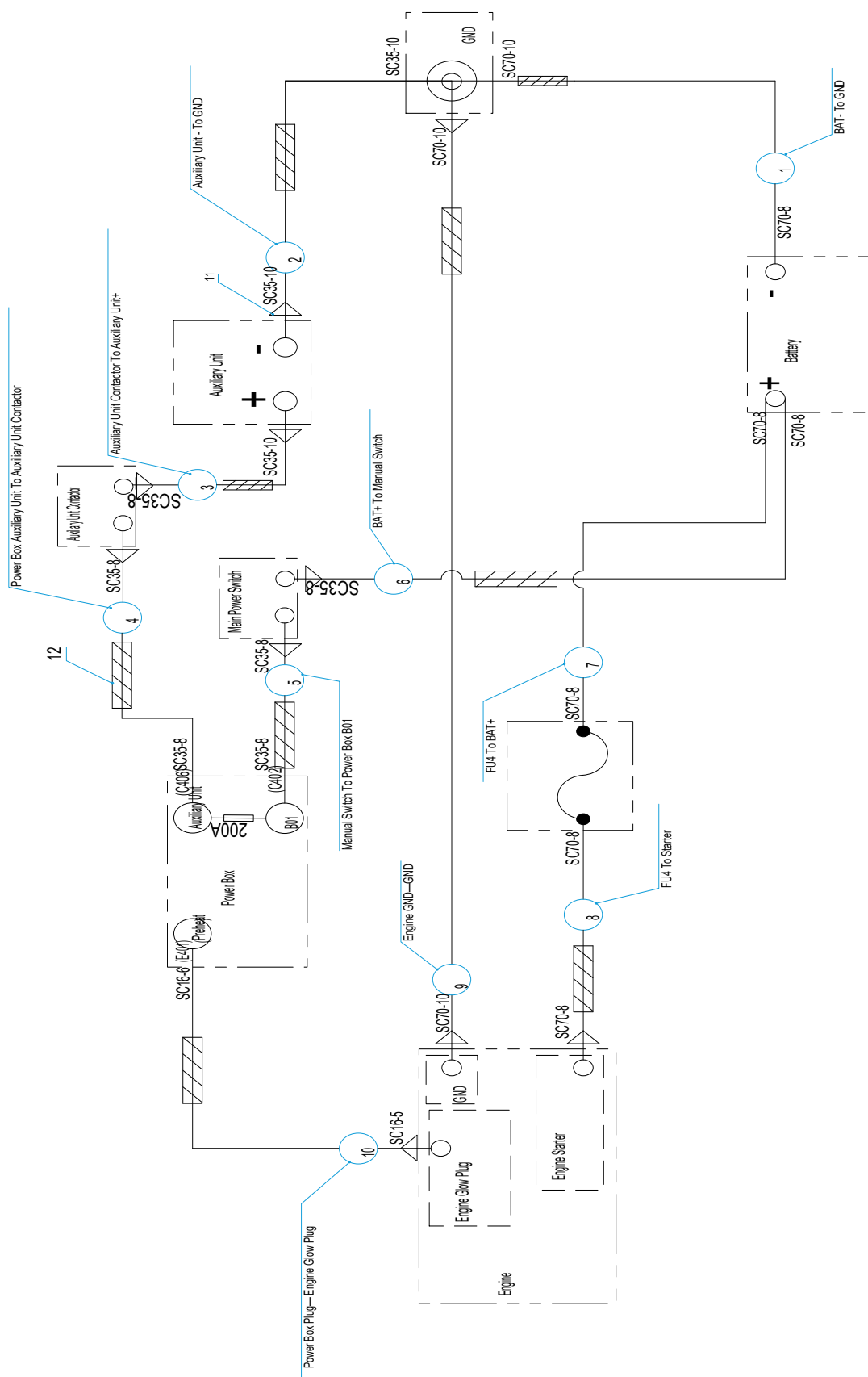
- The **Engine Starter** is connected to the **Engine Starter Relay** (SC70-8) via terminal 1.
- The **Engine Starter Relay** is connected to the **Engine Starter** via terminal 2.
- The **Engine Starter** is connected to the **Engine Starter Relay** via terminal 3.
- The **Engine Starter** is connected to the **Engine Starter Relay** via terminal 4.
- The **Engine Starter** is connected to the **Engine Starter Relay** via terminal 5.
- The **Engine Starter** is connected to the **Engine Starter Relay** via terminal 6.
- The **Engine Starter** is connected to the **Engine Starter Relay** via terminal 7.
- The **Engine Starter** is connected to the **Engine Starter Relay** via terminal 8.
- The **Engine Starter** is connected to the **Engine Starter Relay** via terminal 9.
- The **Engine Starter** is connected to the **Engine Starter Relay** via terminal 10.
- The **Engine Starter** is connected to the **Engine Starter Relay** via terminal 11.
- The **Engine Starter** is connected to the **Engine Starter Relay** via terminal 12.

Main Power Switch and Manual Power Switch:

- The **Main Power Switch** is connected to the **Manual Power Switch** via terminal 1.
- The **Main Power Switch** is connected to the **Manual Power Switch** via terminal 2.
- The **Main Power Switch** is connected to the **Manual Power Switch** via terminal 3.
- The **Main Power Switch** is connected to the **Manual Power Switch** via terminal 4.
- The **Main Power Switch** is connected to the **Manual Power Switch** via terminal 5.
- The **Main Power Switch** is connected to the **Manual Power Switch** via terminal 6.
- The **Main Power Switch** is connected to the **Manual Power Switch** via terminal 7.
- The **Main Power Switch** is connected to the **Manual Power Switch** via terminal 8.
- The **Main Power Switch** is connected to the **Manual Power Switch** via terminal 9.
- The **Main Power Switch** is connected to the **Manual Power Switch** via terminal 10.
- The **Main Power Switch** is connected to the **Manual Power Switch** via terminal 11.
- The **Main Power Switch** is connected to the **Manual Power Switch** via terminal 12.

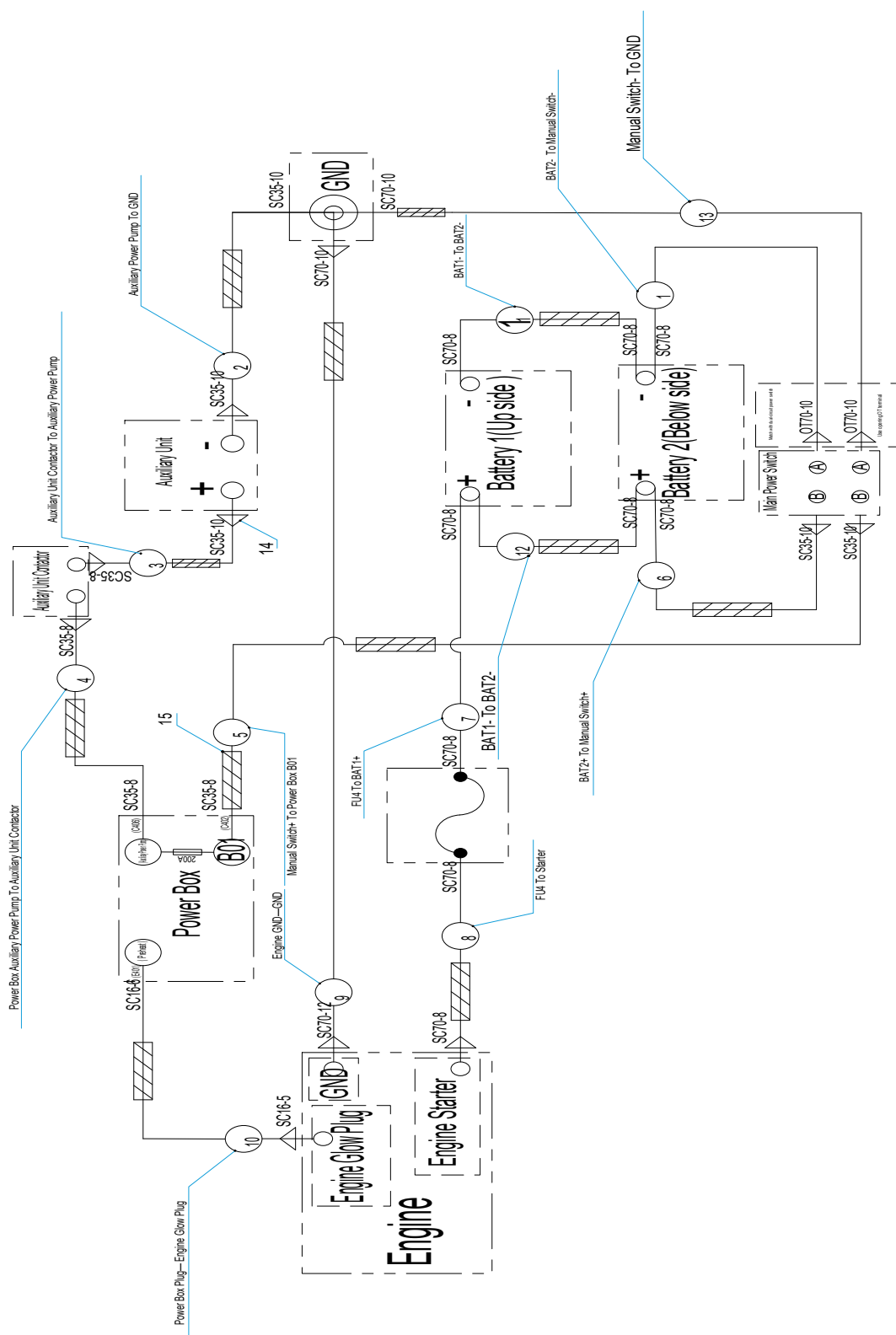
No.	Part No.	Qty.	Description
1	203230003623	1	Cable, power
2	203230003352	1	Power line
3	203230000840	1	Power line
4	203080004200	1	Cable, power
5	203230000527	1	Power line
6	203230000244	1	Power line
7	203230000364	1	Power line
8	203230000629	1	Power line
9	203230003305	1	Power line
10	203230003738	1	Cable, power
11	203230003492	1	Cable, Power
12	203080000004	12	PVC sheath
13	203080000422	18	Nylon hose, closed-end

7.1.20 ELECTRICAL POWER WIRING LAYOUT (PN.104030060288)



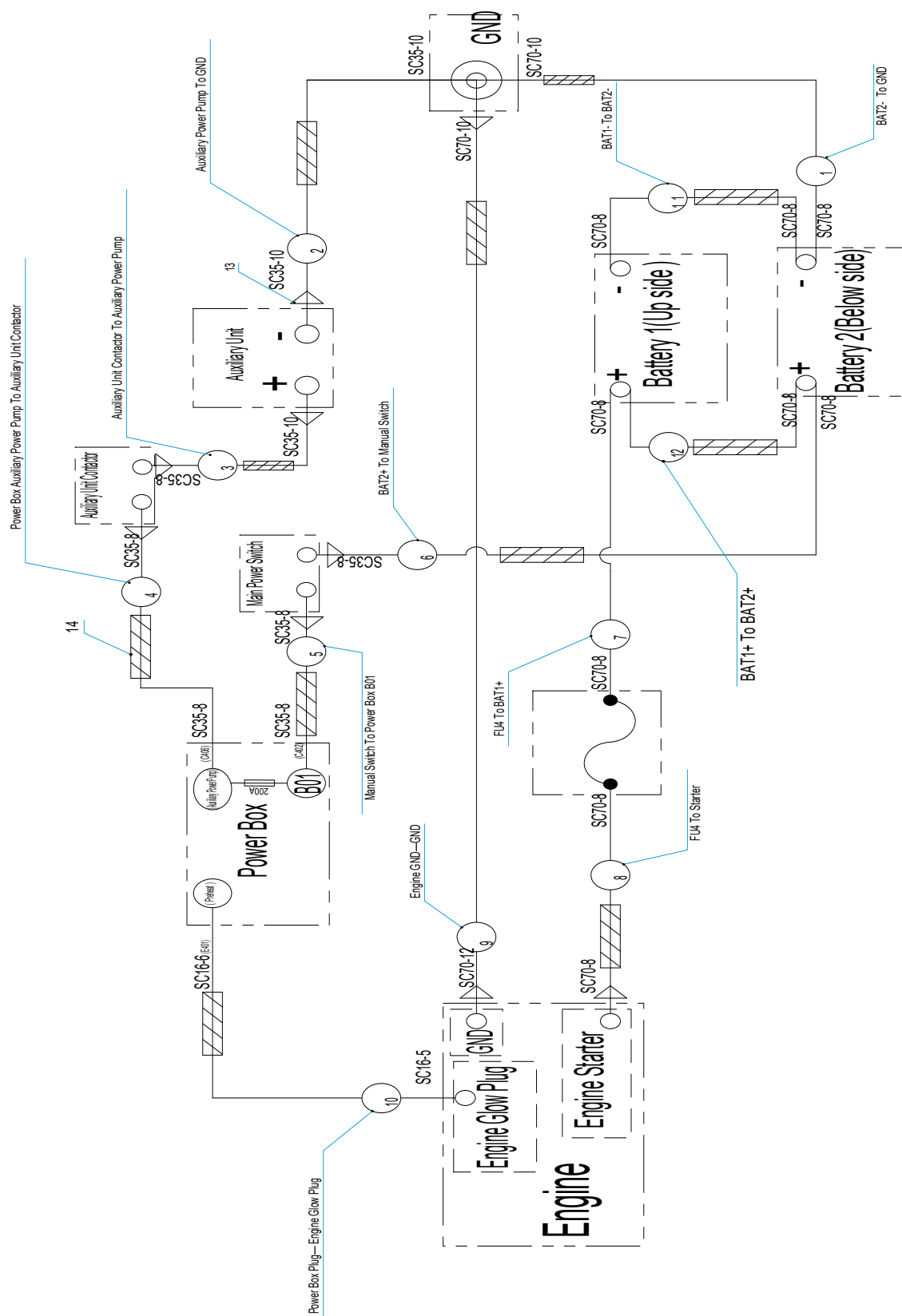
No.	Part No.	Qty.	Description
1	203230001024	1	Power line
2	203230003352	1	Power line
3	203230000840	1	Power line
4	203080004200	1	Cable, power
5	203230003364	1	Power line
6	203230000244	1	Power line
7	203230000364	1	Power line
8	203230000818	1	Power line
9	203230003305	1	Power line
10	203230003738	1	Cable, power
11	203080000004	10	PVC sheath
12	203080000422	11	Nylon hose, closed-end

7.1.21 ELECTRICAL POWER WIRING LAYOUT (PN.104030060150)



No.	Part No.	Qty.	Description
1	203230003623	1	Cable, power
2	203230003352	1	Power line
3	203230000840	1	Power line
4	203230000517	1	Power line
5	203230000527	1	Power line
6	203230000244	1	Power line
7	203230000364	1	Power line
8	203230000818	1	Power line
9	203230003413	1	Power line
10	203230003548	1	Power line
11	203230003546	1	Power line
12	203230000961	1	Power line
13	203230003492	1	Cable, Power
14	203080000004	11	PVC sheath
15	203080000422	18	Nylon hose, closed-end

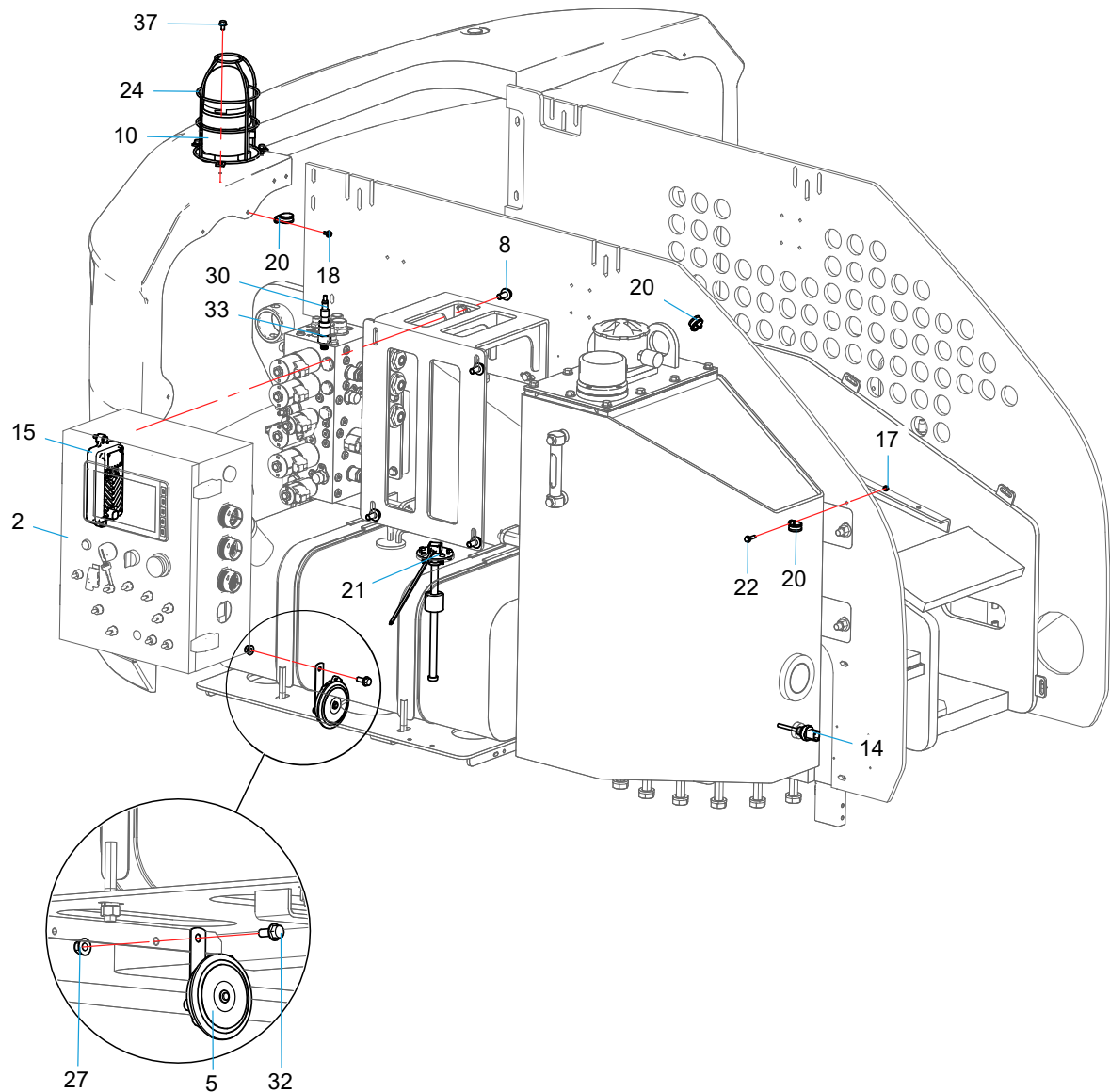
7.1.22 ELECTRICAL POWER WIRING LAYOUT (PN.104030060046)

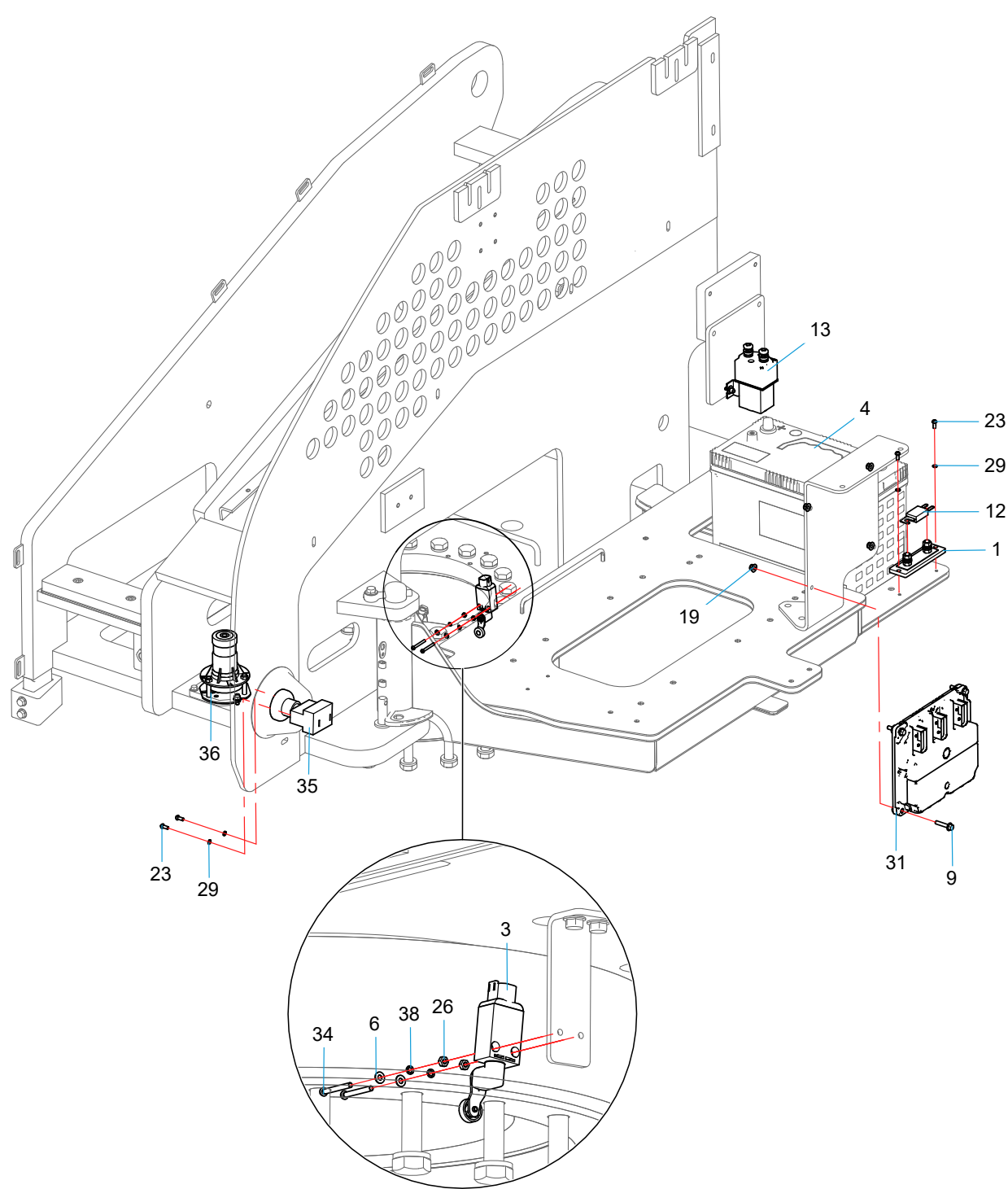


No.	Part No.	Qty.	Description
1	203230001024	1	Power line
2	203230003352	1	Power line
3	203230000840	1	Power line
4	203230000517	1	Power line
5	203230000517	1	Power line
6	203230000244	1	Power line
7	203230000364	1	Power line
8	203230000818	1	Power line
9	203230003413	1	Power line
10	203230003548	1	Power line
11	203230003546	1	Power line
12	203230000961	1	Power line
13	203080000004	9	PVC sheath
14	203080000422	18	Nylon hose, closed-end

7.2 TURNTABLE ELECTRICAL SYSTEM (CONTINUOUS ROTATION- TURNTABLE LENGTH= 1.961 M & NON-CONTINUOUS ROTATION)

7.2.1 TURNTABLE ELECTRICAL COMPONENTS INSTALLATION

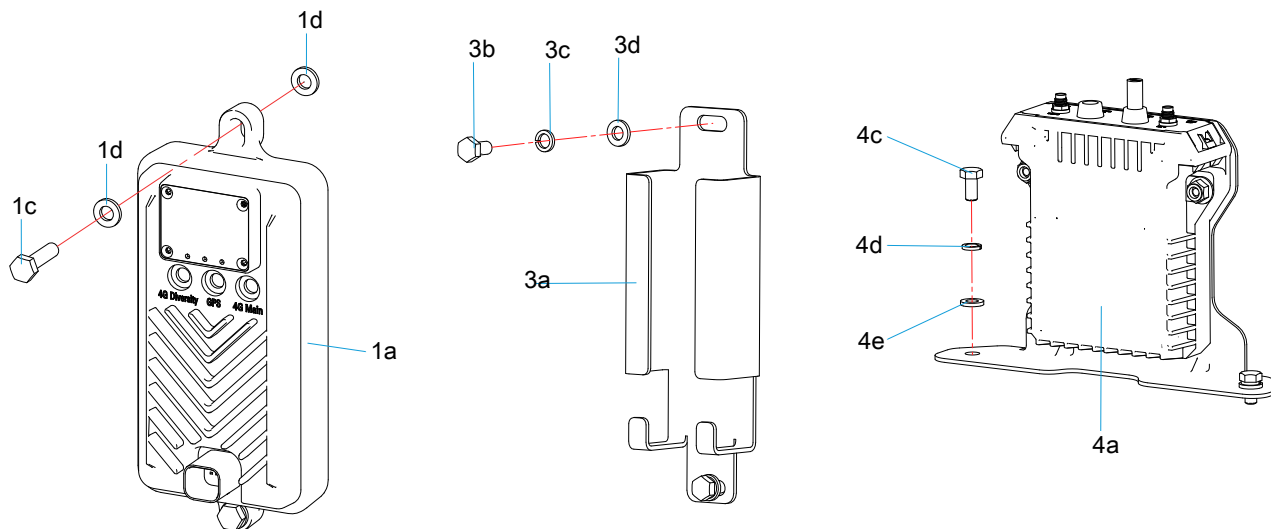




No.	Part No.	Qty.	Description
1	203070000056	1	Fuse holder
2	104030060006	1	Turntable controller assembly(See details)
3	203060000146	1	Switch, travel (Schneider)
4	114015063057		Maintenance-free battery options
4-1	203100000061	1	Maintenance-free battery(110Ah)
4-2	203100003158	1	Maintenance-free battery(100Ah)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

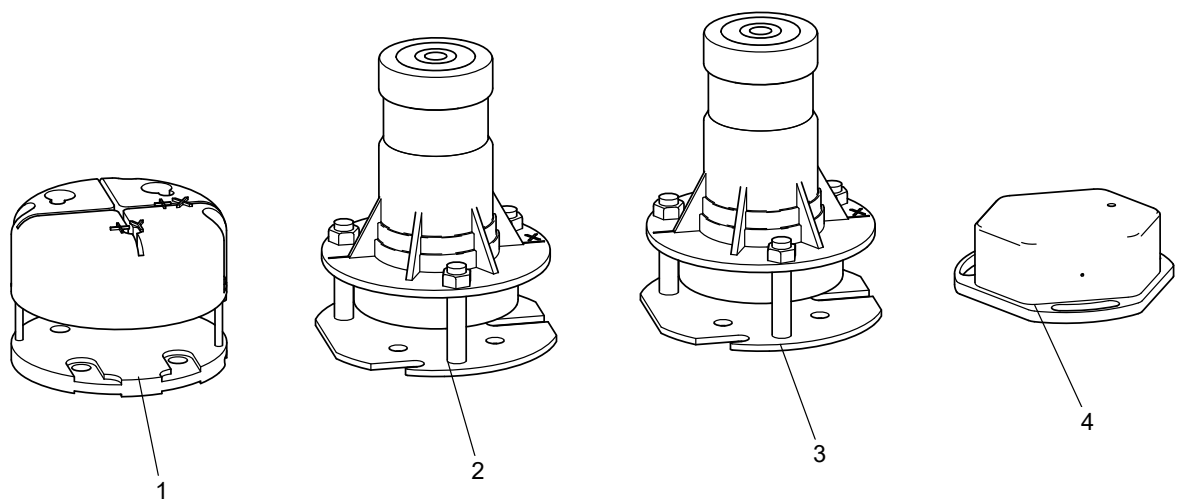
No.	Part No.	Qty.	Description
29	215040000003	4	Washer 5-A2-70 GB/T 93
30	203080003094	1	Plug with cable
31	203100003241	1	Power switch box
32	215010000234	1	Bolt M8×20-8.8-ZnD GB/T 5789
33	114007063026		Pressure sensor option(See details)
34	215020000212	2	Screw M4×35-A2-70 GB/T 818
35	114004063040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

7.2.2 GPS INSTALLATION OPTIONS



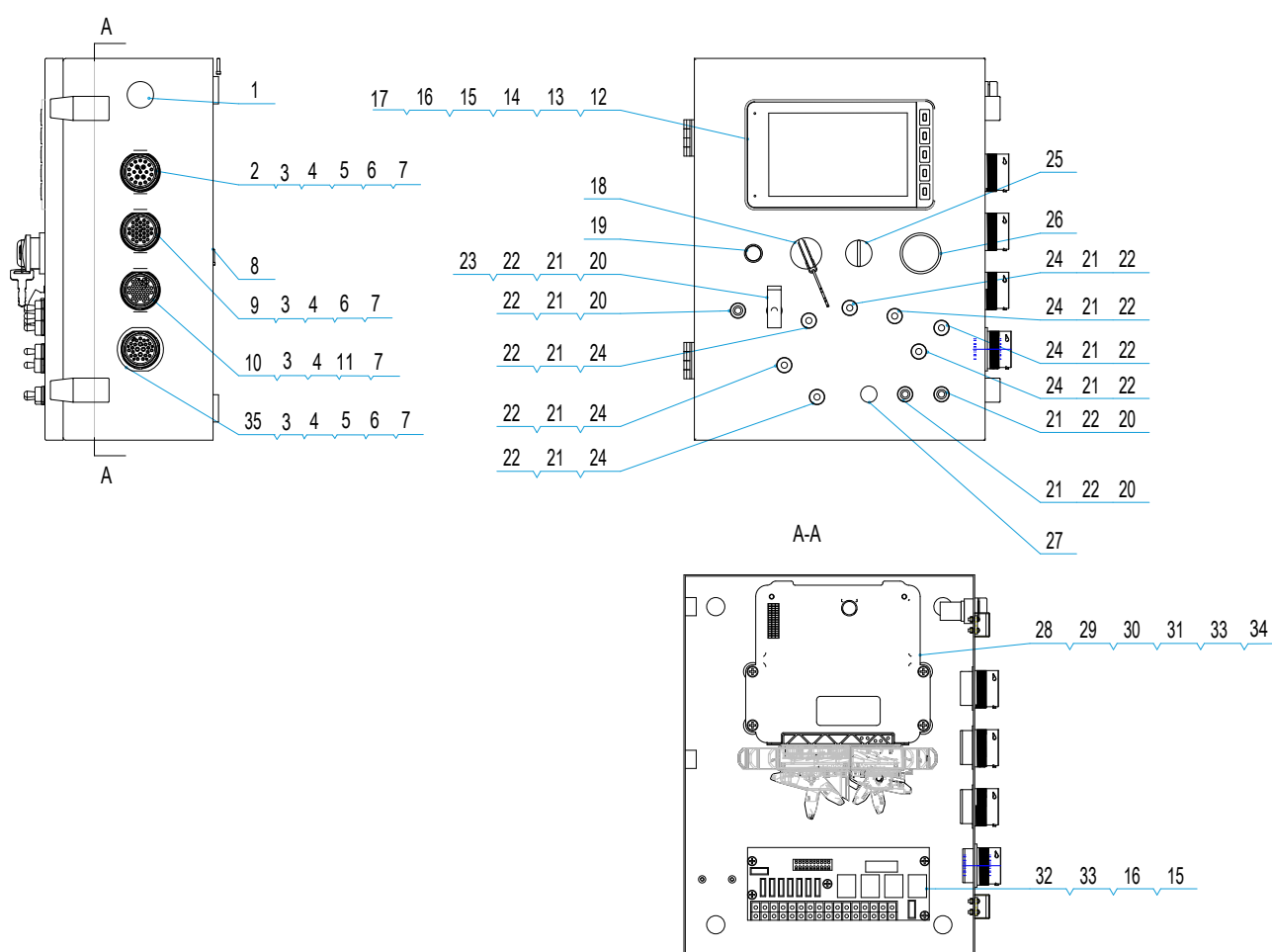
No.	Part No.	Qty.	Description
1	103006063019		GPS installation(SC : 1000577, for Rootcloud GPS)
1a	203150003021	1	GPS module
1b	203150003022	1	GPS/LTE antenna(Not shown)
1c	215010003054	2	Nylon Bolt M6×25-4.8-PA66
1d	215040003034	4	Nylon Washer 6-PA66
2	105055063004		GPS installation(For Hornet GPS)
2a	105055063003	1	Cable, adapter (Huatie)(Not shown)
2b	203990003077	1	T-Box, Hornet(Not shown)
3	103010063095		INST, GPS (Trackunit)
3a	105071020002	1	Plate
3b	215010000049	2	Bolt M6×12-A2-70 GB/T 5783
3c	215040000004	2	Washer 6-A2-70 GB/T 93
3d	215040000033	2	Washer 6-A2 GB/T 97.1
4	104032060055	1	INST, GPS(SC:1001036)
4a	203990003066	1	GPS module (4G)
4b	203990003067	1	GPS/LTE antenna(Not shown)
4c	215010000049	2	Bolt M6×12-A2-70 GB/T 5783
4d	215040000004	2	Washer 6-A2-70 GB/T 93
4e	215040000033	2	Washer 6-A2 GB/T 97.1

7.2.3 LEVEL SENSOR OPTIONS



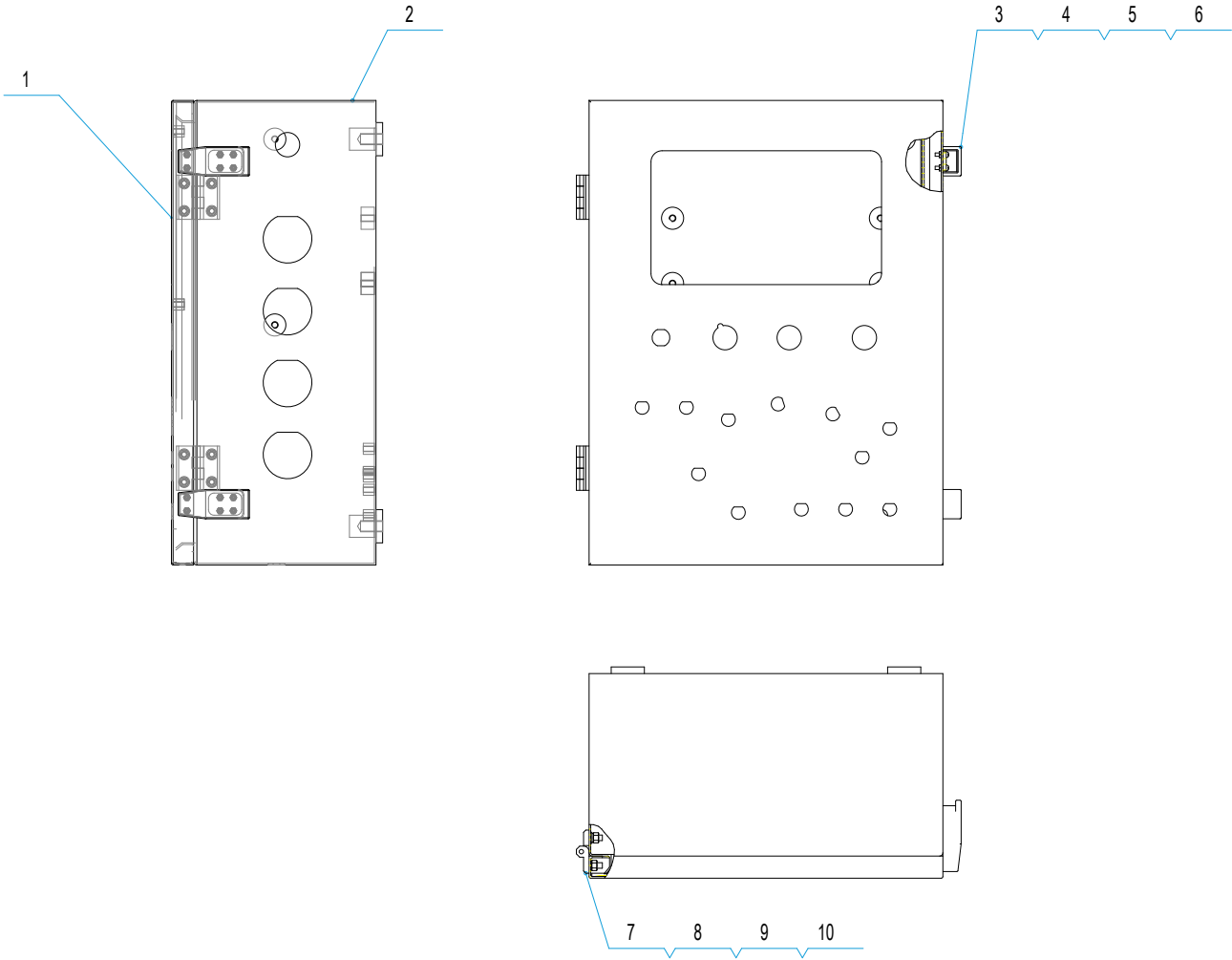
No.	Part No.	Qty.	Description
1	203060000111	1	Level switch(1000154)
2	203150000039	1	Level switch(1000135)
3	203150003000	1	Level switch(1000167)
4	203990003045	1	Angle sensor(1000787)

7.2.4 TURNTABLE CONTROLLER ASSEMBLY (PN.104030060006)



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

7.2.5 TURNTABLE CONTROLLER (PN.104030060001)



No.	Part No.	Qty.	Description
1	104020060017	1	Panel ASSY, control box (turntable)
2	104029060003	1	Base ASSY, control box (turntable)
3	203060000025	2	Latch
4	215020000100	12	Screw M3×10-A2-70 GB/T 818
5	215040000001	12	Washer 3-A2-70 GB/T 93
6	215030000001	12	Nut M3-A2-70 GB/T 6170
7	209050000022	2	Hinge
8	215040000003	8	Washer 5-A2-70 GB/T 93
9	215040000032	8	Washer 5-A2 GB/T 97.1
10	215030000003	8	Nut M5-A2-70 GB/T 6170

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

7.2.7 POWER SWITCH OPTIONS

No.	Part No.	Qty.	Description
1	203060003186	1	Power switch (with lock)(SC:1000077)
2	203060003167	1	Power switch(SC:1000200, JK862-B)
3	203060000024	1	Power switch(SC:1000110)
4	203060003137	1	Power switch(SC:1000604)
5	203060003120	1	Power switch(SC:1000200, JK250A)

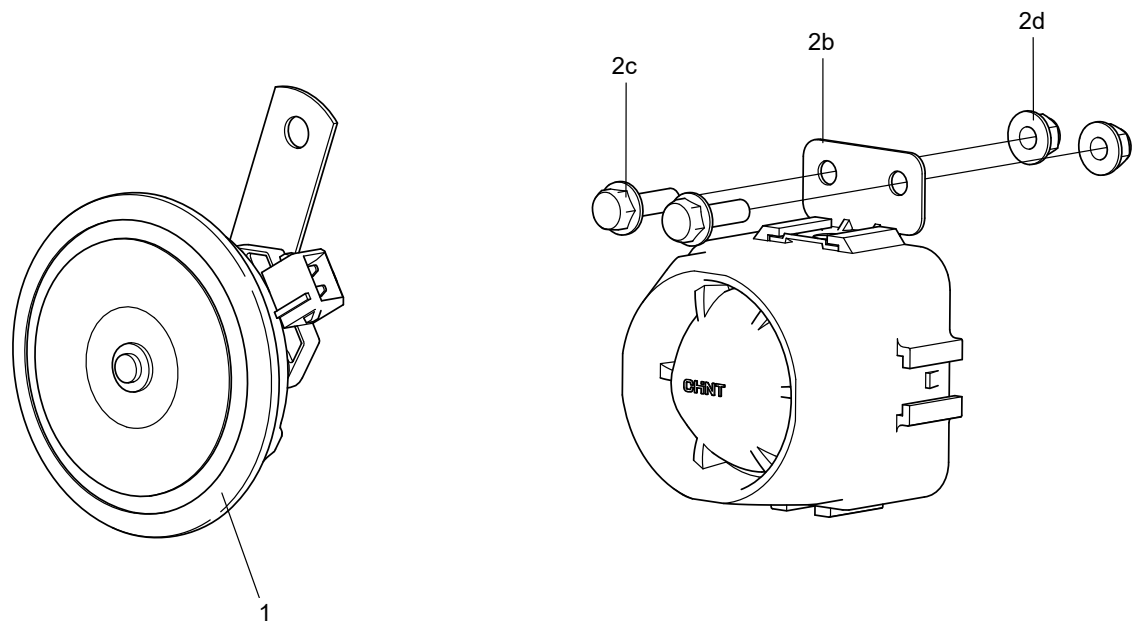
7.2.8 PRESSURE SENSOR OPTION

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

7.2.9 CAUTION LIGHT OPTIONS

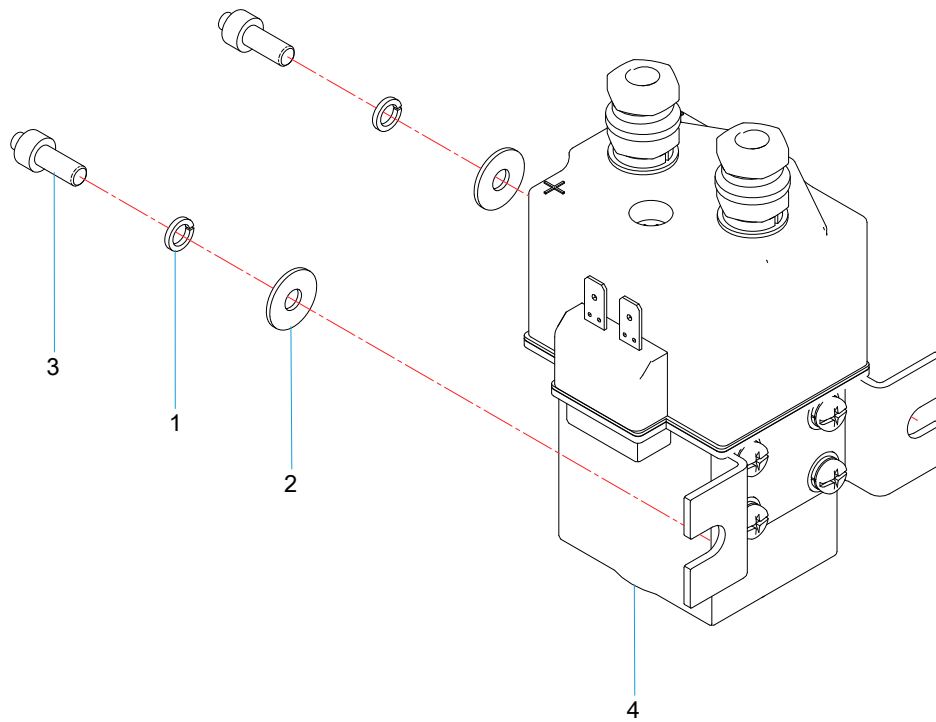
No.	Part No.	Qty.	Description
	114012063080		Caution light option
1	203050003057	1	Caution light(Volume adjustable)
2	203050003017	1	Caution light(Fixed volume)

7.2.10 HORN OPTION



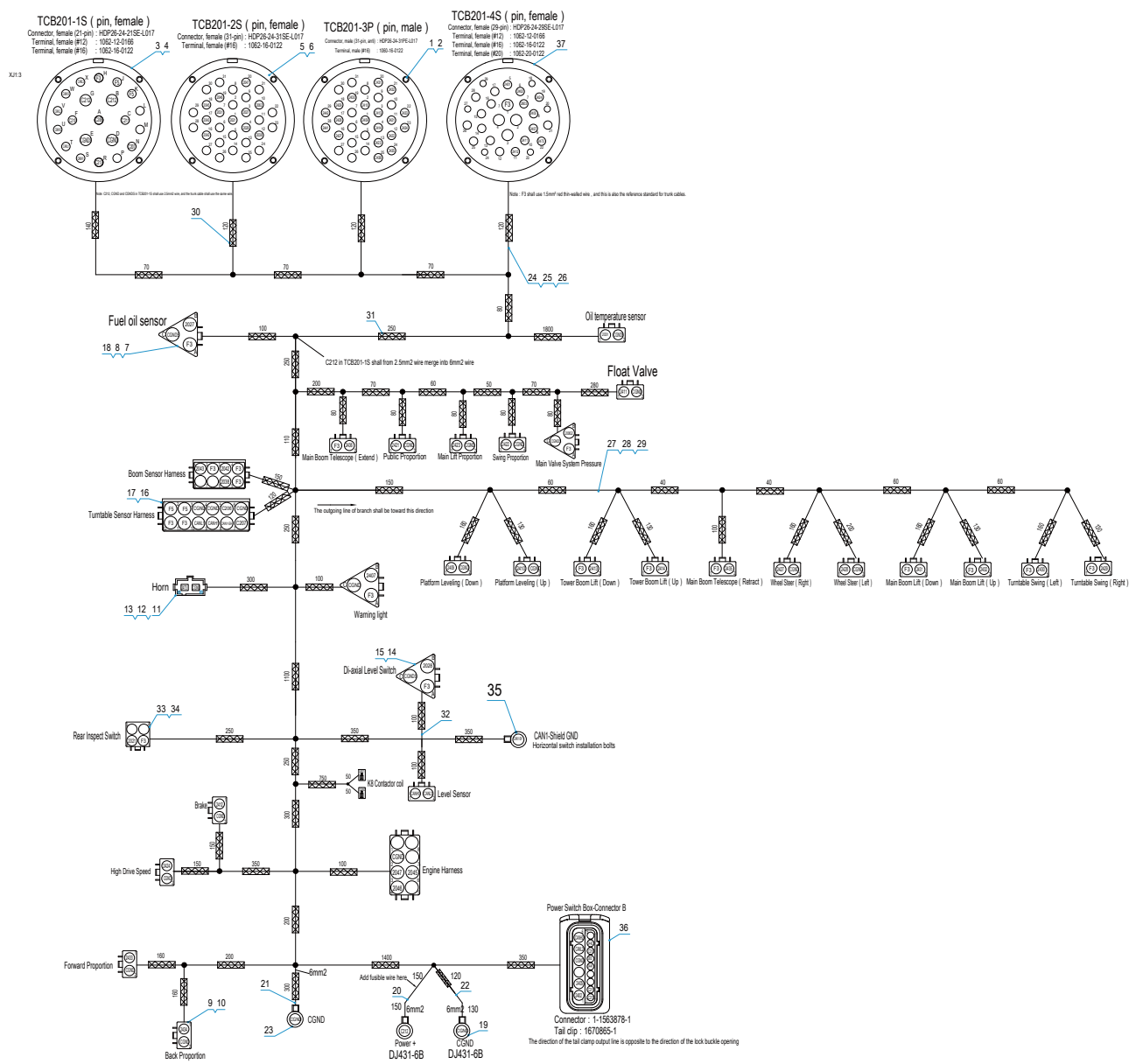
No.	Part No.	Qty.	Description
1	203050000034	1	Horn
2	114006063072	1	White noise horn installation
2a	104019063047	1	Cable, adapter (warning light)(Not shown)
2b	203050003070	1	White noise horn
2c	215010000231	2	Bolt M6×20-8.8-ZnD GB/T 5789
2d	215030000107	2	Nut M6-A2-70 GB/T 6183.1

7.2.11 CONTACTOR INSTALLATION



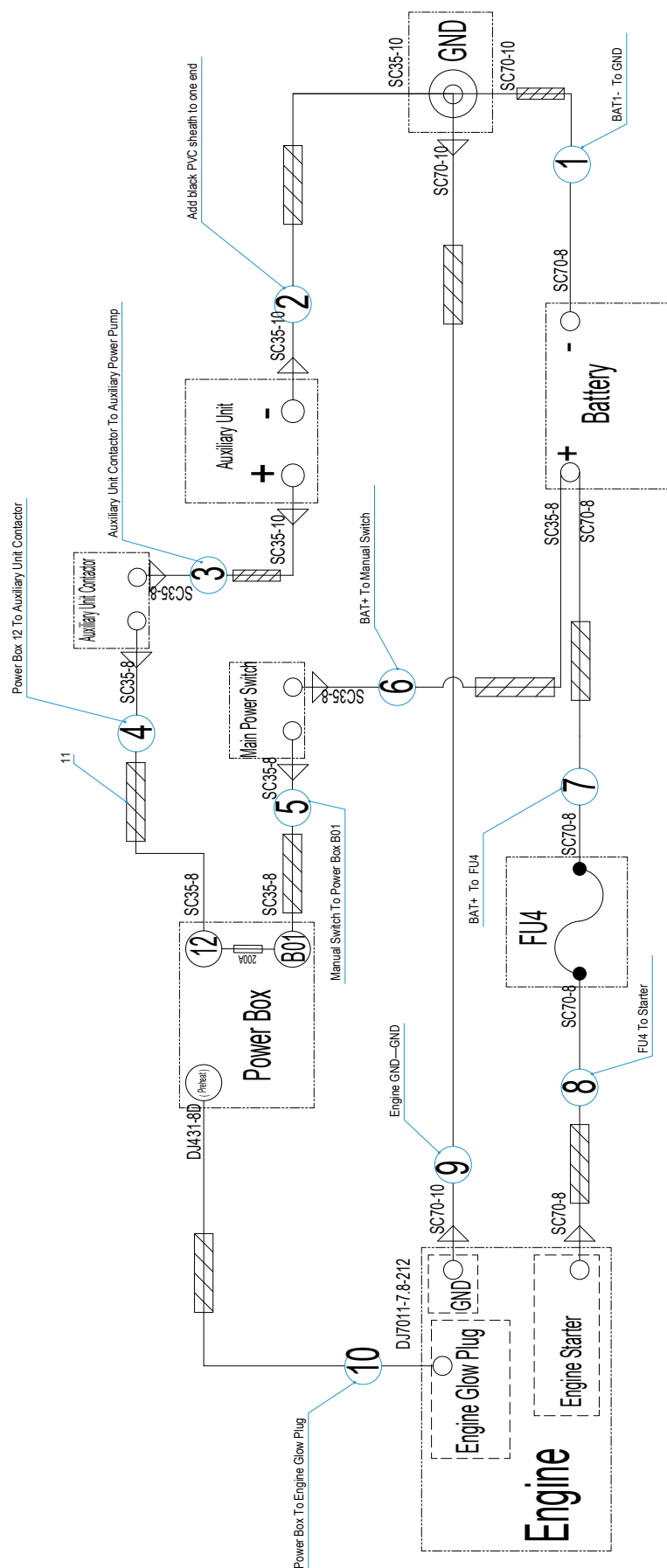
No.	Part No.	Qty.	Description
1	215040000003	2	Washer 5-A2-70 GB/T 93
2	215040000132	2	Washer 5-200HV-A2 GT/B 96.1
3	215020000006	2	Screw M5×12-A2-70 GB/T 70.1
4	203040003002	1	Contactor

7.2.12 TURNTABLE HARNESS (PN.104030060009)



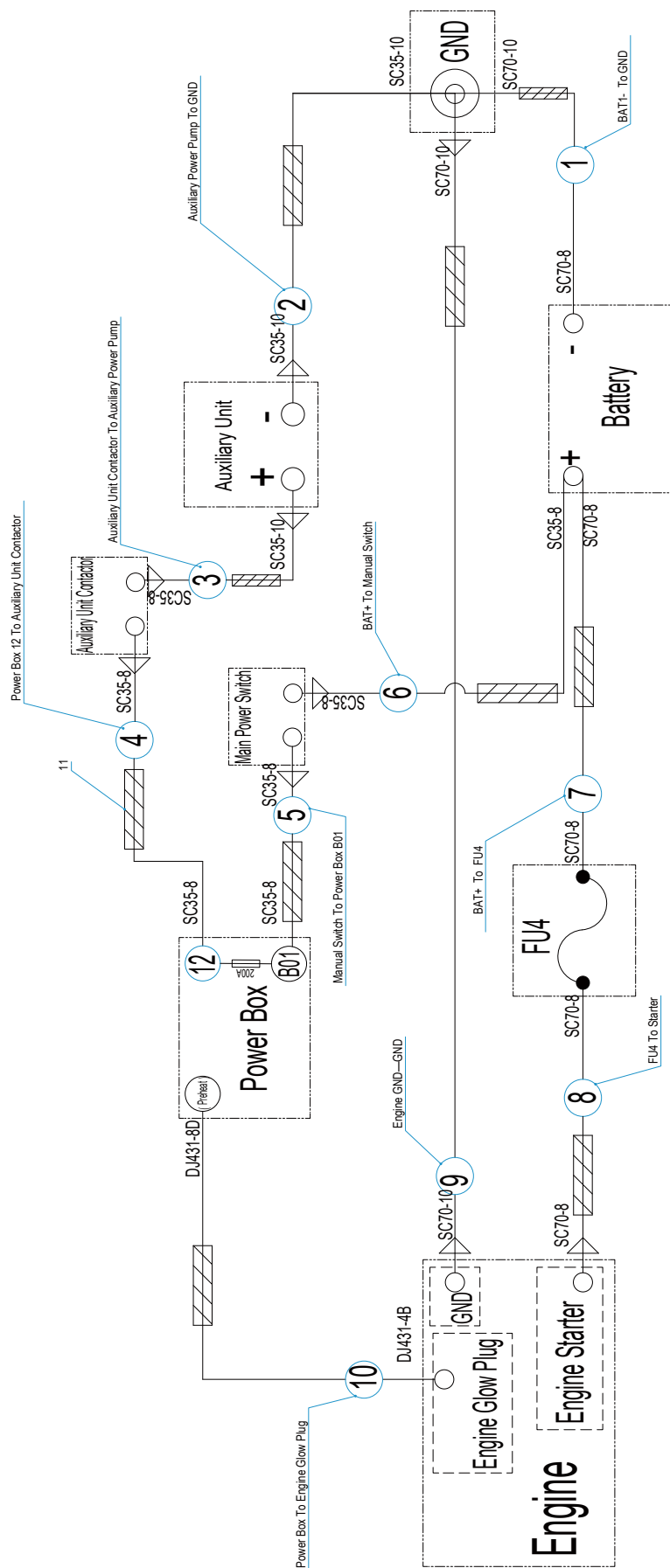
No.	Part No.	Qty.	Description
	104030060009	1	Harness, turntable
1	203080000515	1	31-pin male sheath
2	203080000033	1	Male connector
3	203080000517	1	21-pin female terminal sheath
4	203060000097	4	#12 female terminal
5	203080000520	1	31-pin female terminal sheath
6	203080000041	1	Female connector
7	203080000406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

7.2.13 ELECTRICAL POWER WIRING LAYOUT (PN.104030060011)



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

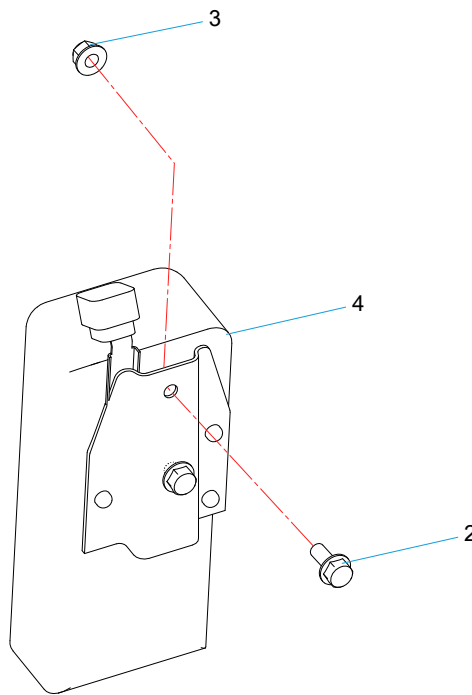
7.2.14 ELECTRICAL POWER WIRING LAYOUT (PN.104030060028)



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

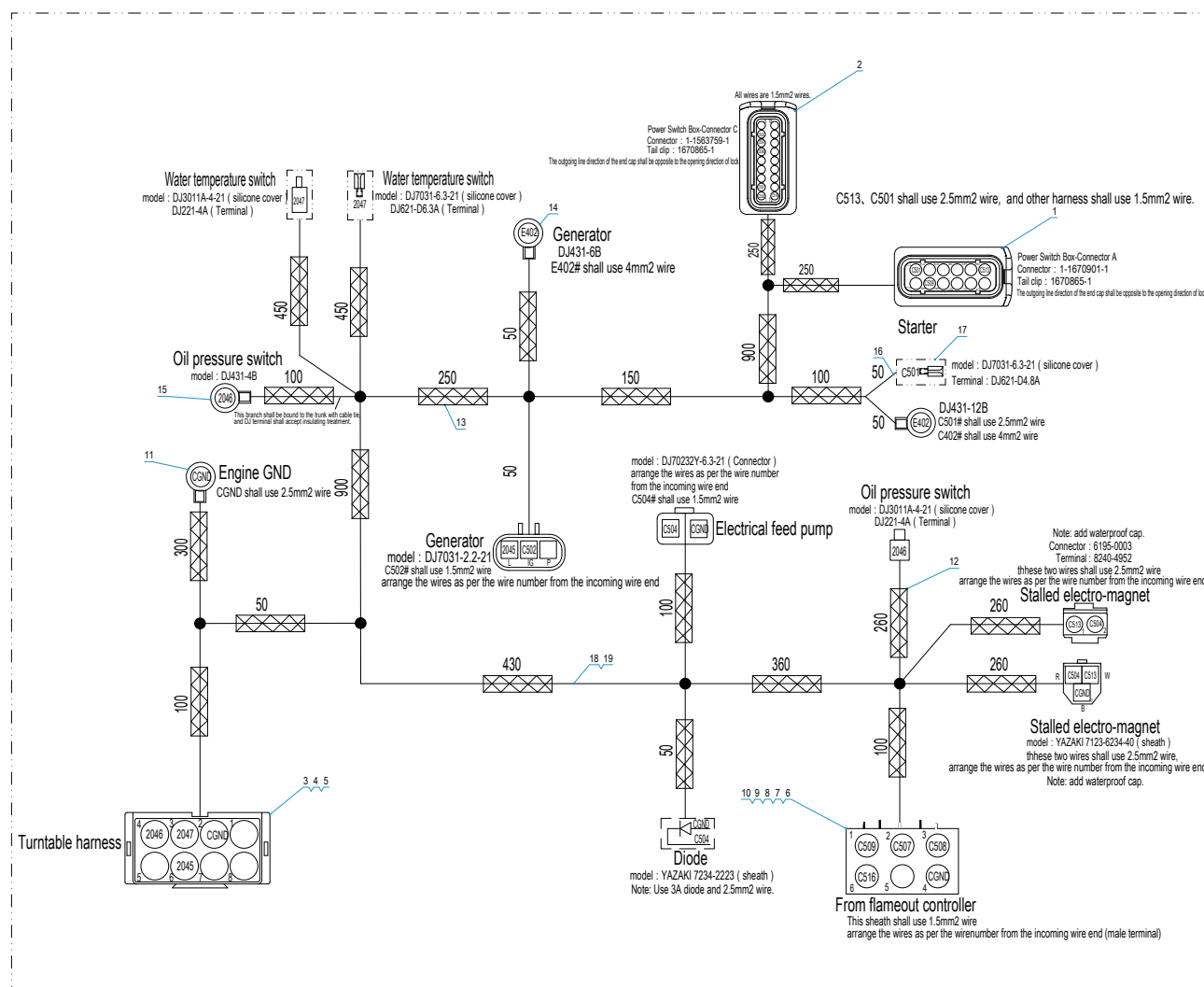
7.3 ENGINE ELECTRICAL SYSTEM (CONTINUOUS ROTATION- TURNTABLE LENGTH= 2.328M)

7.3.1 ENGINE ELECTRICAL COMPONENTS INSTALLATION (PN.104030060156)



No.	Part No.	Qty.	Description
1	216020000019	1	Wire rope clamp(no mark)
2	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
3	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
4	203020000004	1	Start/stop controller

7.3.2 ENGINE HARNESS (PN.104030060024)



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

No.	Part No.	Qty.	Description
	104030060034	1	Harness, engine (Kubota EPA 4)
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	203080000389	1	Pin
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	203080000229	1	Small terminal (0.5-1.0)
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	203080000046	1	Lock
36	203080000086	1	Connector
37	203080003773	1	Connector

No.	Part No.	Qty.	Description
38	203080003845	1	Connector
39	203080000133	1	Terminal, blade-hole type

Engine GND
CS/GND shal use 2.5mm² wire

Starter
model : DJ701-6-3-21 (S-shaft)
connector : DJ621-B6-3C
CS01# shal use 4mm² wire
E402# shal use 6mm² wire

Oil pressure switch
model : DJ431-4B
15

Water temperature switch
model : DJ7031-6-3-21
DJ621-D6-3A (Terminal)

Generator
DJ431-6E

Stalled electro-magnet
Note: add waterproof cap.
sheath : 6195-0003
Terminal : 8240-4452
These two wires shal use 4mm² wire
arrange the wire as per the wire number from the rooming wire end.

Electrical feed pump
model : 7123-2228(VZAKU)
Sheath : DJ7022-6-3-21
Connector : DJ623-E6-3B
CS04 shal use 1.5mm² wire

Turntable harness
EC1201-P
CS07 CS08 shal use 2.5mm² wire

Power switch box - Connect A
1
2

Power switch box - Connect C
1
2
3
4
5
6

From flameout controller
This sheath shal use 1.5mm² wire, arrange the wires as per the wire number from the incoming wire end (made terminal)

109 8 7 6

345

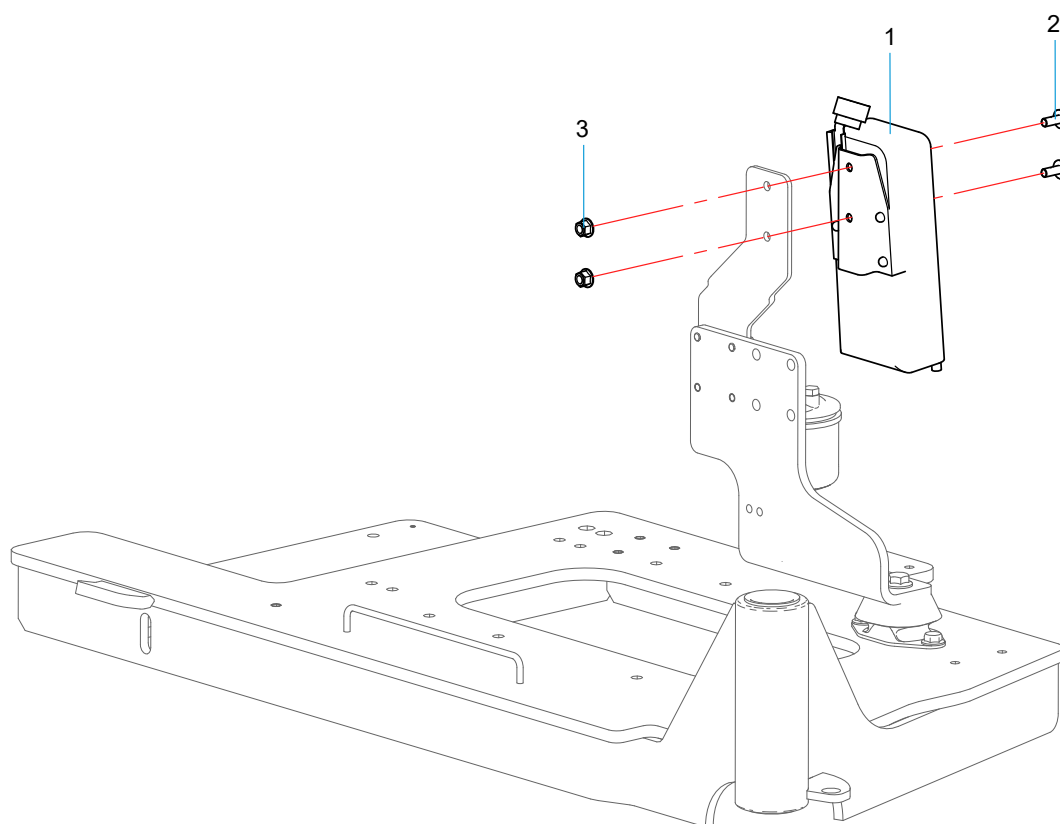
21 22 23

Wire numbers and terminal numbers:
11, 12, 13, 14, 15, 16, 17, 20, 300, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000.

No.	Part No.	Qty.	Description
	104030060155	1	Harness, engine (Kubota China IV, 36kW)
1	203080003773	1	Connector
2	203080003845	1	Connector
3	203080000413	1	Sheath
4	203080000126	1	Lock
5	203080000033	4	Male connector
6	203080000210	1	Sheath
7	203080000215	1	Lock
8	203080000213	5	Terminal
9	203080000214	1	Seal ring
10	203080000211	1	Plug
11	203080000124	1	Terminal, blade-hole type
12	203080000006	2	Corrugated pipe
13	203080000037	1	Corrugated pipe
14	203080000133	1	Terminal, blade-hole type
15	203080000039	2	Ring tongue terminal
16	203080000372	4	Cable
17	203080000190	1	Terminal
18	203080000375	10	Cable
19	203080000370	5	Cable
20	203080000197	1	Terminal
21	203080000376	1	Sheath
22	203080003033	1	Sheath
23	203080003034	2	Terminal

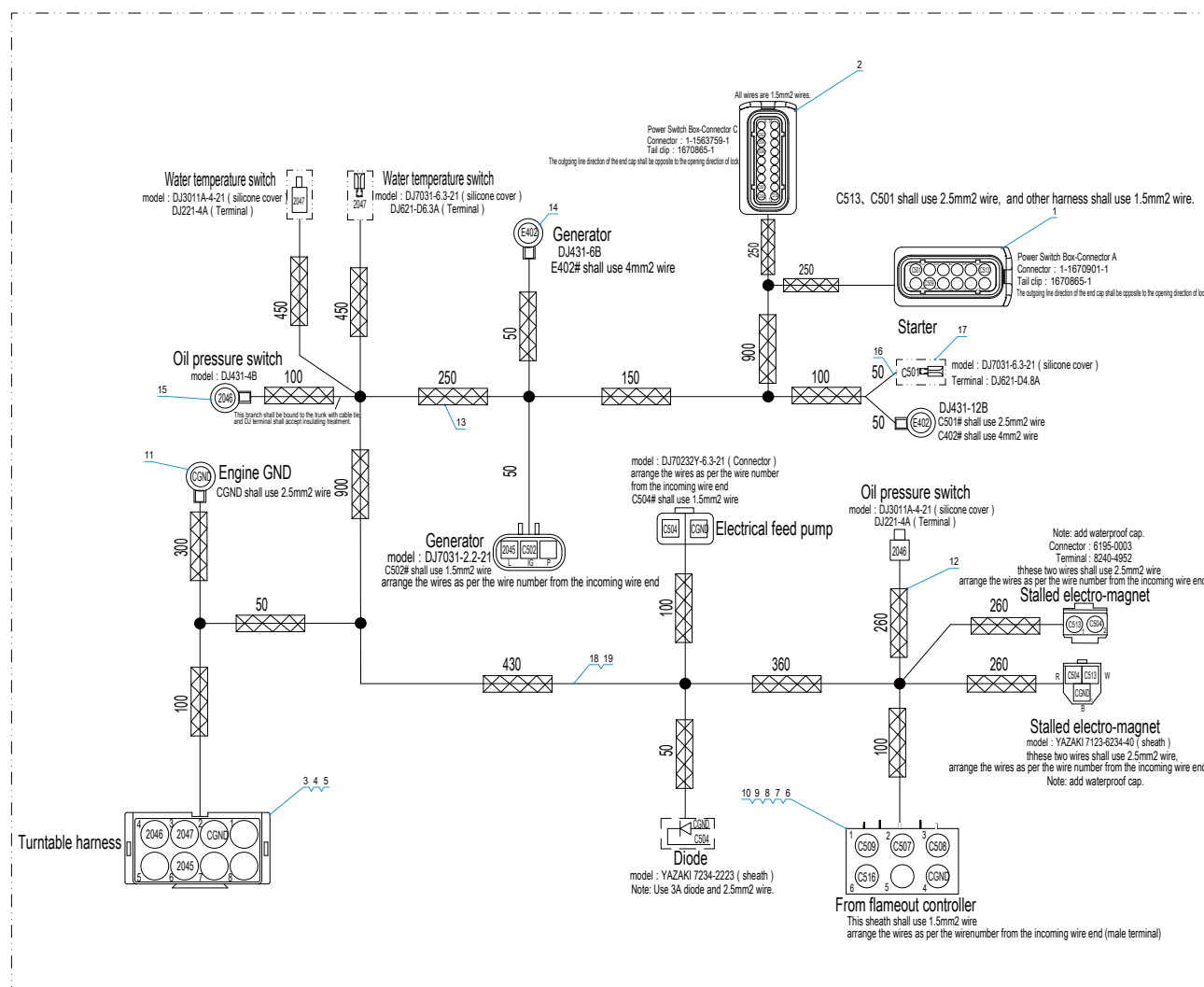
7.4 ENGINE ELECTRICAL SYSTEM (CONTINUOUS ROTATION- TURNTABLE LENGTH= 1.961 M & NON-CONTINUOUS ROTATION)

7.4.1 ENGINE ELECTRICAL COMPONENTS INSTALLATION



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

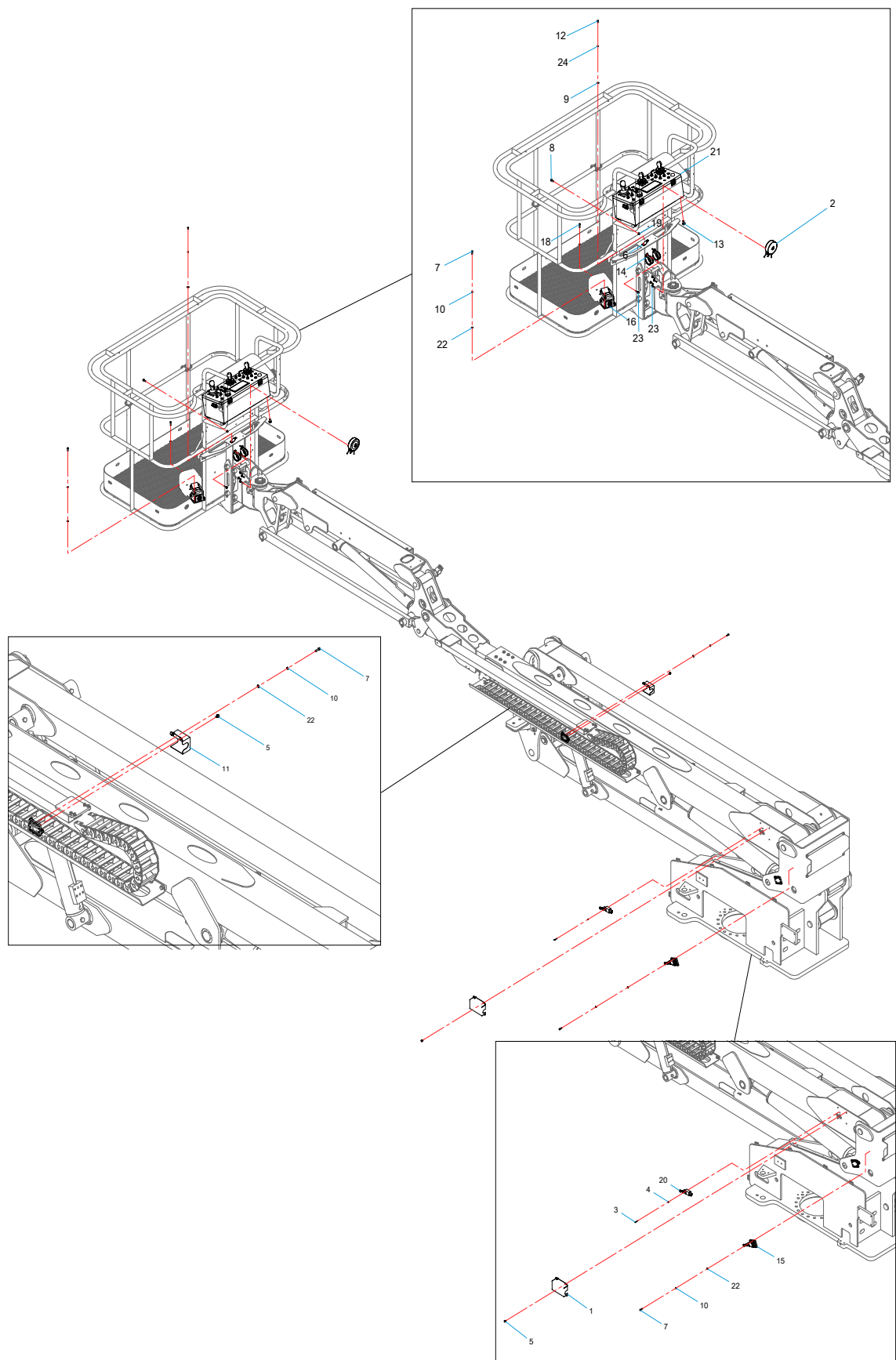
7.4.2 ENGINE HARNESS (PN.104030060024)



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

7.5 BOOM ELECTRICAL SYSTEM (CONTINUOUS ROTATION- TURNTABLE LENGTH= 2.328 M)

7.5.1 BOOM ELECTRICAL COMPONENTS INSTALLATION

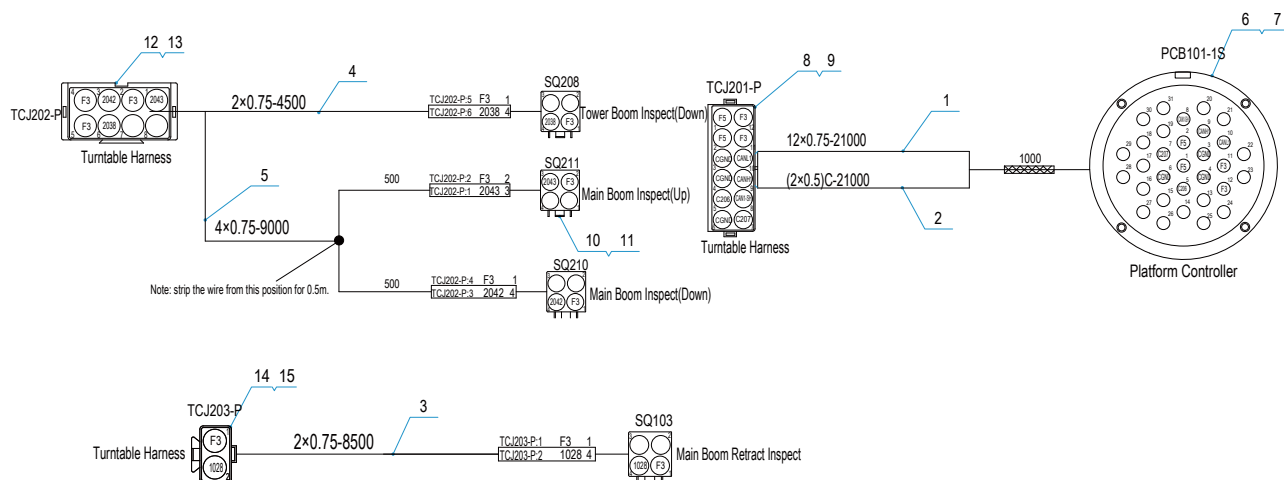


No.	Part No.	Qty.	Description
1	104011060052	1	Travel switch cover
2	114012063028	1	OPT, sensor (load)
3	215020000108	8	Screw M4×25-A2-70 GB/T 818
4	215040000002	8	Washer 4-A2-70 GB/T 93
5	215010000229	6	Bolt M6×10-8.8-ZnD GB/T 5789
6	203080000525	1	Fixture, metal (Deutsch)
7	215020000012	8	Screw M6×20-A2-70 GB/T 70.1
8	215010000231	2	Bolt M6×20-8.8-ZnD GB/T 5789
9	215040000132	1	Washer 5-200HV-A2 GT/B 96.1
10	215040000004	9	Washer 6-A2-70 GB/T 93
11	104009060078	1	Travel switch cover
12	215010000041	1	Bolt M5×12-A2-70 GB/T 5783
13	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
14	216020000025	2	Ring, fixing (SSG)
15	104009060027	3	Mounting plate, travel switch
16	114015063052	1	Foot switch options
17	105078063096	1	OPT, horn (voice)
18	215020000013	1	Screw M6×25-A2-70 GB/T 70.1
19	215030000107	2	Nut M6-A2-70 GB/T 6183.1
20	114015063080	4	OPT, switch (travel)
21	104030060050	1	OPT, control box ASSY (platform)
22	215040000033	9	Washer 6-A2 GB/T 97.1
23	215010000232	6	Bolt M6×25-8.8-ZnD GB/T 5789
24	215040000003	1	Washer 5-A2-70 GB/T 93

7.5.2 WEIGHING SENSOR OPTIONS

No.	Part No.	Qty.	Description
1	203150003039	1	Load sensor(Single channel , SC : 1000805)
2	203150003041	1	Load sensor(Single channel , SC : 1000086)
3	203150000070	1	Load sensor(Dual channel , SC : 1000232)
4	203150000069	1	Load sensor(Single channel , SC : 1000232)
5	203150003038	1	Load sensor(Dual channel , SC : 1000805)

7.5.3 CABLE TRACK DIAGRAM (PN.104030060014)

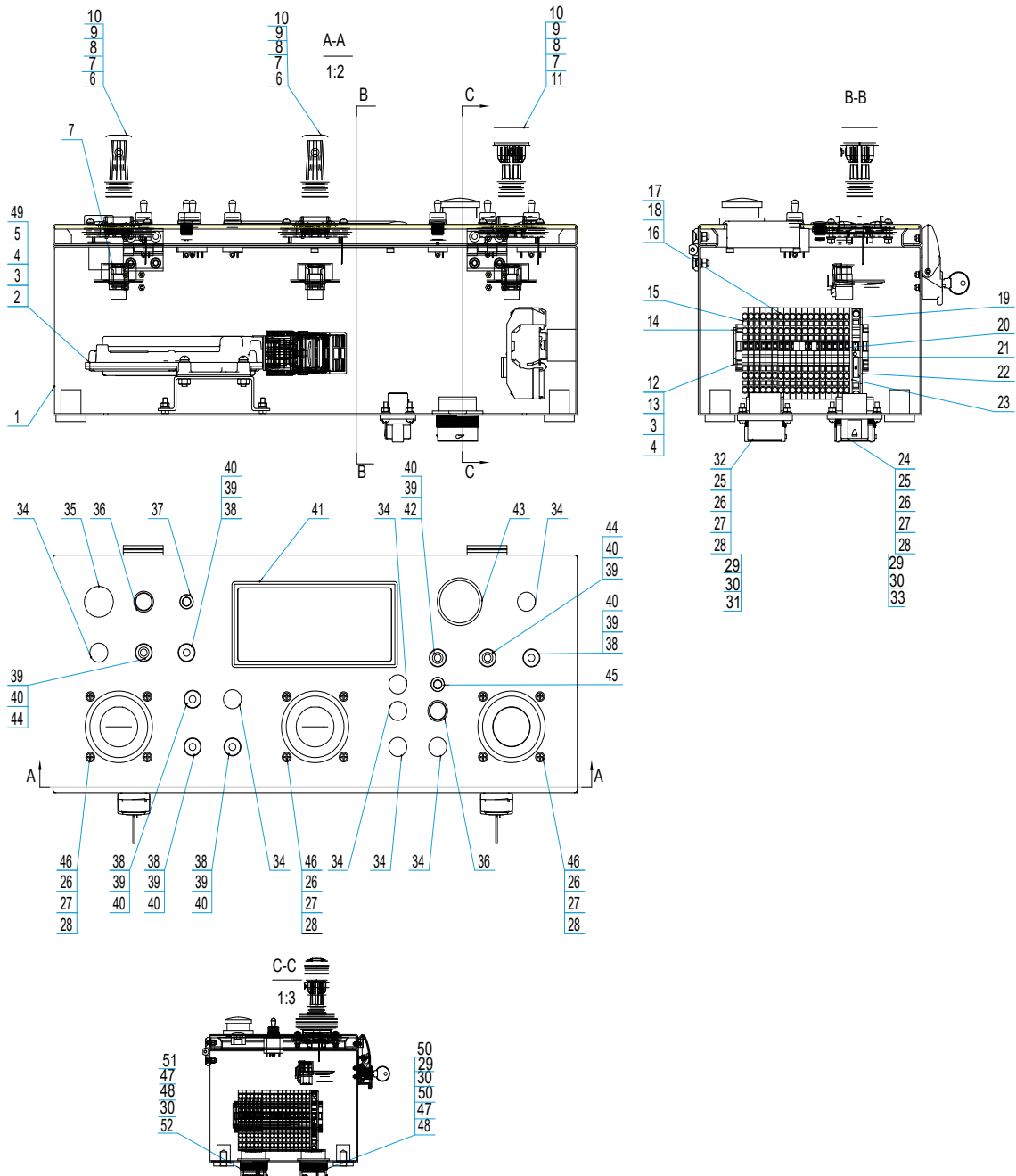


No.	Part No.	Qty.	Description
	104030060014	1	Cables DIAG, drag chain
1	203230000652	1	Drag chain cable
2	203230000653	1	Drag chain cable (CAN Bus)
3	203230003362	1	Drag chain cable
4	203230000638	1	Drag chain cable
5	203230000642	1	Drag chain cable
6	203080000520	1	31-pin female terminal sheath
7	203080000068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

7.5.4 PLATFORM CONTROLLER ASSEMBLY OPTIONS

No.	Part No.	Qty.	Description
1	104030060051	1	Control box ASSY, platform(V2403)
2	104030060152	1	ASSY control box, platform(D1105)
3	104030060245	1	Control box ASSY, platform (Chile logo)(Chile,V2403)

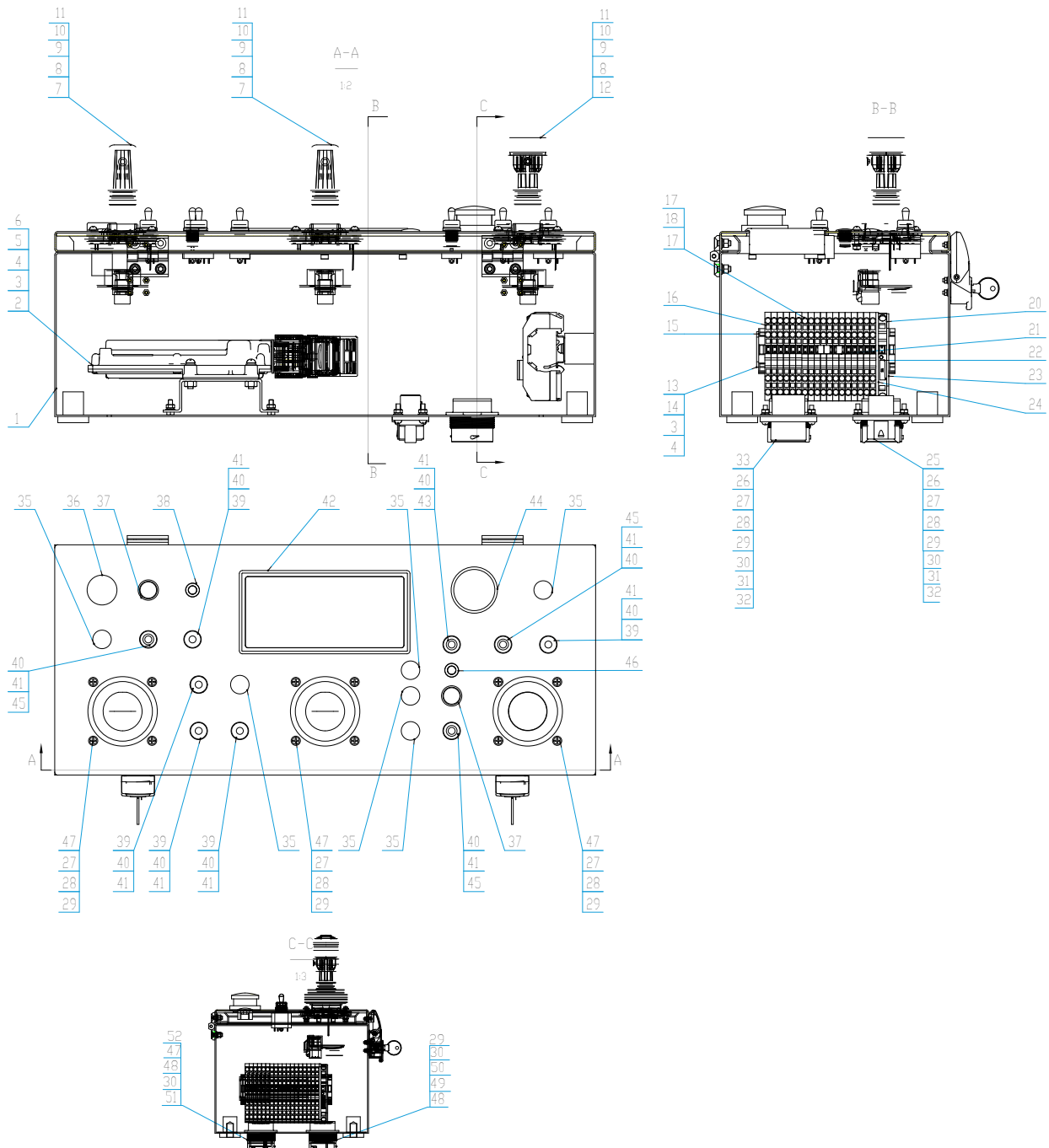
7.5.5 PLATFORM CONTROLLER ASSEMBLY (PN.104030060051)



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

No.	Part No.	Qty.	Description
40	203080000101	8	Waterproof cap
41	203200003002	1	Gauge
42	203060000035	1	Toggle switch
43	203060000142	1	Switch, emergency stop
44	203060000021	2	Toggle switch
45	203050003015	1	Indicator light
46	215020000107	12	Screw M4×20-A2-70 GB/T 818
47	203080000041	10	Female connector
48	203080000523	1	31-pin male connector sheath
49	203080000378	1	Connector, controller
50	203060000098	2	Metal spring plate
51	203060000101	2	Retaining nut
52	203080000516	1	31-pin female connector sheath
53	104030060013	1	Wiring DIAG, control box (platform)(no mark)
54	105050063020	1	Surface film, control box (platform)(no mark)
55	105050063021	1	PC film, control box (platform)(no mark)

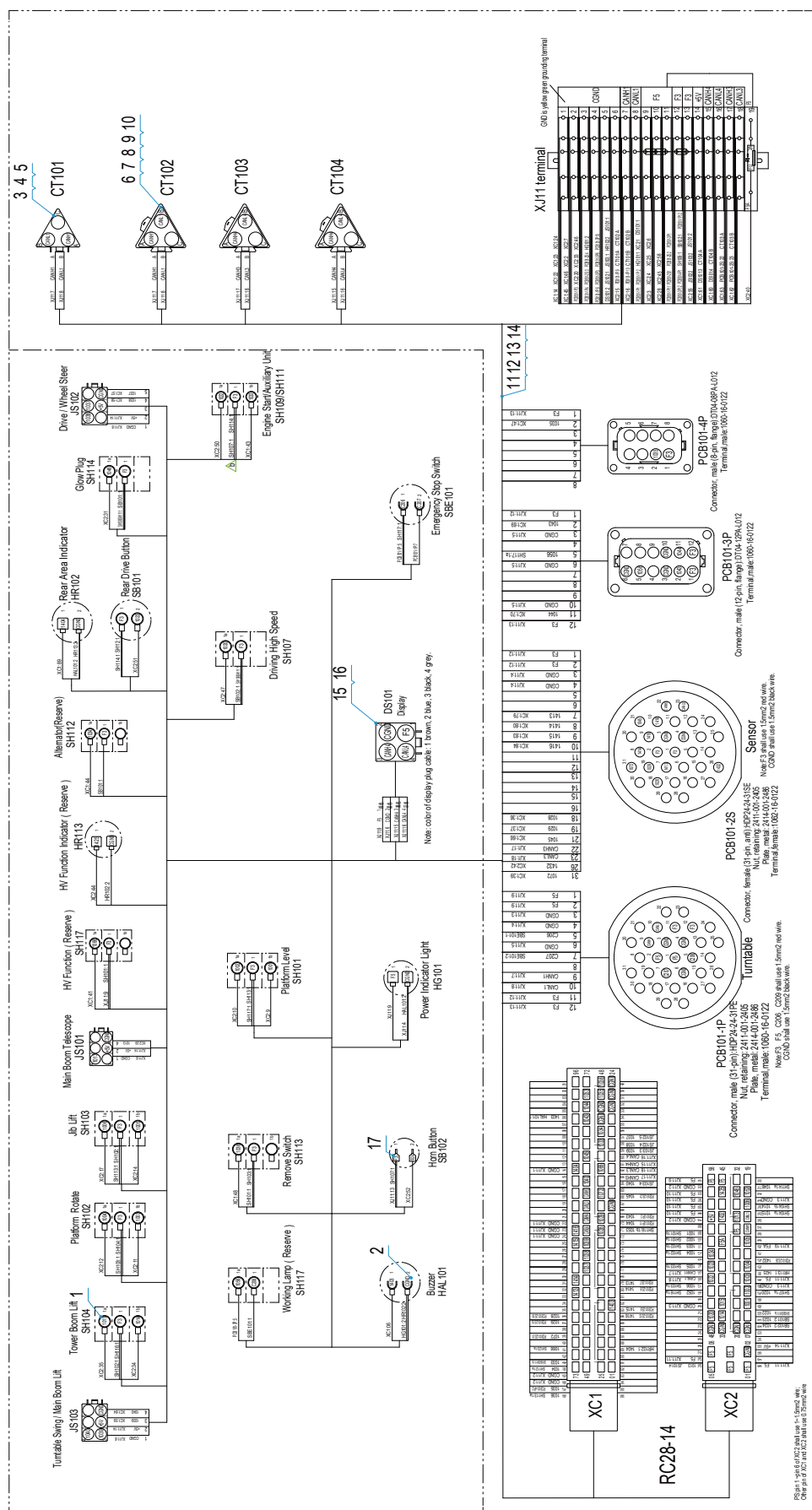
7.5.6 PLATFORM CONTROLLER ASSEMBLY (PN.104030060152)



No.	Part No.	Qty.	Description
1	105050063019	1	Platform controller
2	203020000038	1	Controller
3	215040000003	6	Washer 5-A2-70 GB/T 93
4	215040000032	6	Washer 5-A2 GB/T 97.1
5	215020000113	4	Screw M5×25-A2-70 GB/T 818
6	203080000378	1	Connector, controller
7	203060003084	2	Dual-axis, ball-headed joystick
8	203060000014	3	Handle connector
9	203080000085	7	Blind plug
10	203080000099	11	Terminal
11	203080000019	3	6-pin socket lock
12	203060003081	1	Single-axis joystick
13	203990000001	1	Guide rail
14	215020000109	2	Screw M5×10-A2-70 GB/T 818
15	203080003053	2	Terminal block
16	203080003054	6	Protective ground terminal
17	203080003051	12	Common terminal
18	203080003056	1	Terminal label 1-10
19	203080003055	1	Terminal label 11-20
20	203080003057	1	Fuse terminal
21	203080003058	3	Jumper
22	203070000053	1	Plug-in fuse
23	203080003059	1	End plate
24	203080003052	1	End plate
25	203060000088	1	8-pin male connector sheath, with flange
26	215020000106	8	Screw M4×16-A2-70 GB/T 818
27	215040000002	20	Washer 4-A2-70 GB/T 93
28	215040000031	32	Washer 4-A2 GB/T 97.1
29	215030000002	20	Nut M4-8-A2-70 GB/T 6170
30	203080000033	21	Male connector
31	203080000068	51	Blind plug
32	203080000157	1	Lock
33	203060000090	1	12-pin male connector sheath, with flange
34	203080000126	1	Lock
35	105045060004	6	Controller plug
36	203050003021	1	Buzzer
37	203060000020	2	Button
38	203050003014	1	Indicator light
39	203060000003	5	Toggle switch

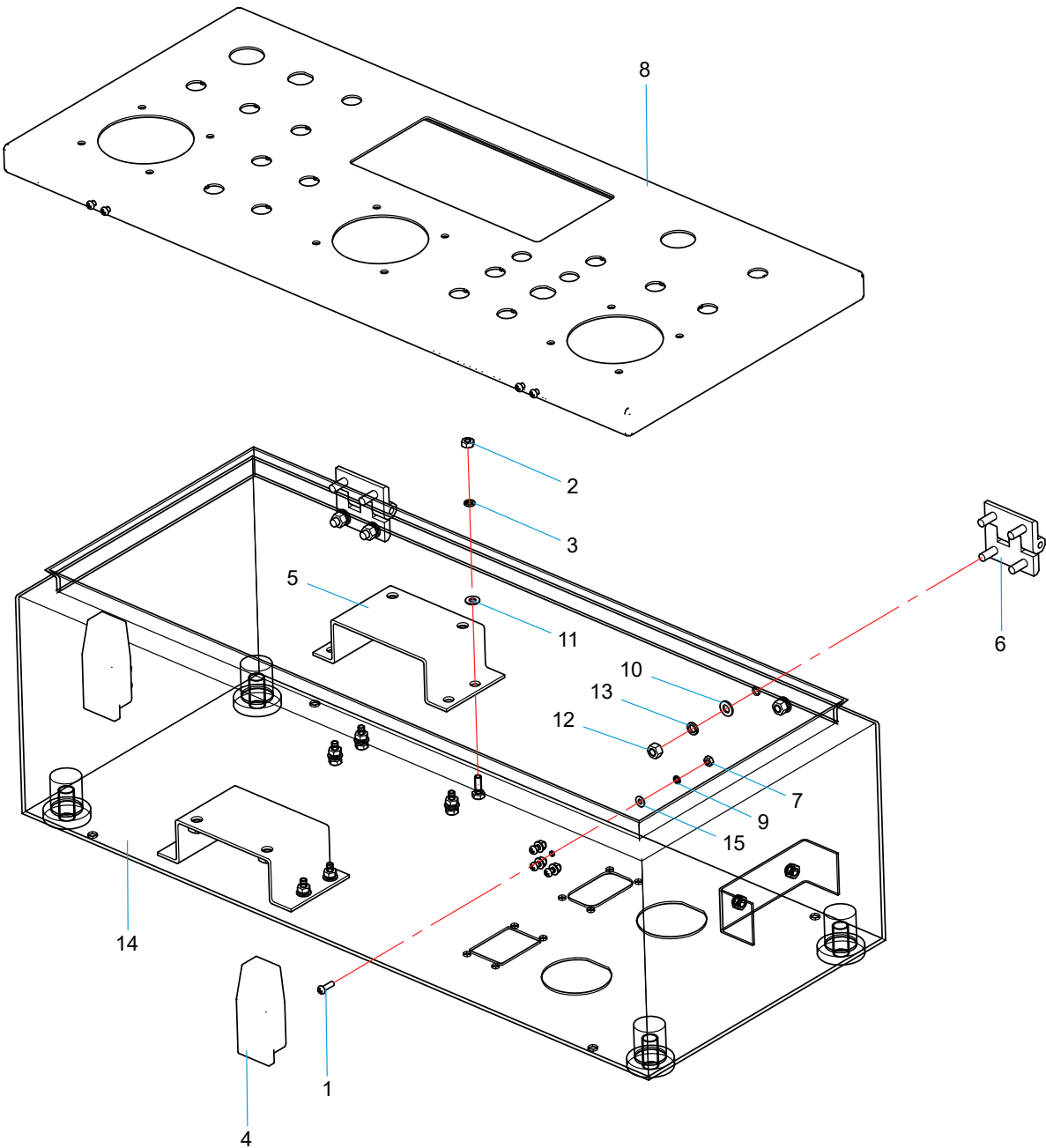
No.	Part No.	Qty.	Description
40	203080000109	9	Nut
41	203080000101	9	Waterproof cap
42	203200003002	1	Gauge
43	203060000035	1	Toggle switch
44	203060000142	1	Switch, emergency stop
45	203060000021	3	Toggle switch
46	203050003015	1	Indicator light
47	215020000107	12	Screw M4×20-A2-70 GB/T 818
48	203080000523	1	31-pin male connector sheath
49	203080000041	10	Female connector
50	203060000098	2	Metal spring plate
51	203080000516	1	31-pin female connector sheath
52	203060000101	2	Retaining nut
53	104030060013	1	Wiring DIAG, control box (platform)(no mark)
54	105050063020	1	Surface film, control box (platform)(no mark)
55	105050063021	1	PC film, control box (platform)(no mark)

7.5.7 PLATFORM CONTROLLER WIRING DIAGRAM (PN.104030060013)



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

7.5.8 PLATFORM CONTROLLER(PN.105050063019)

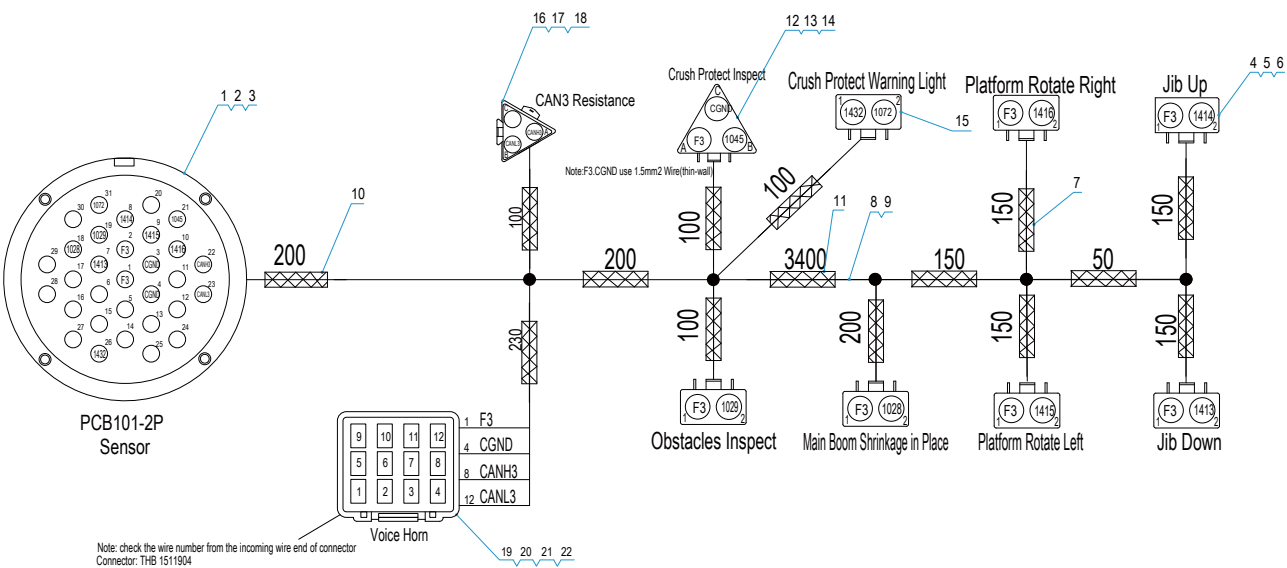


No.	Part No.	Qty.	Description
1	215020000100	12	Screw M3×10-A2-70 GB/T 818
2	215030000002	8	Nut M4-8-A2-70 GB/T 6170
3	215040000002	8	Washer 4-A2-70 GB/T 93
4	203060000025	2	Latch
5	103006060005	2	Holder assembly
6	209050000022	2	Hinge
7	215030000001	12	Nut M3-A2-70 GB/T 6170
8	105050063017	1	Panel ASSY,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

7.5.9 FOOT SWITCH OPTIONS

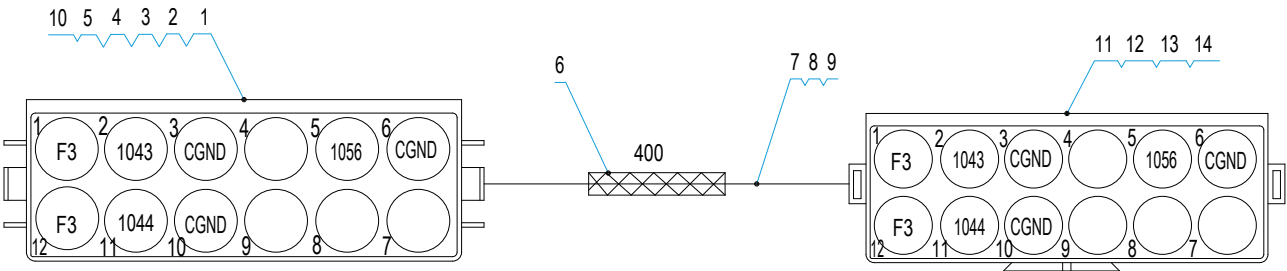
No.	Part No.	Qty.	Description
	114015063052		Foot switch options
1	203060003146	1	Foot Switch(1000077)
2	203060000009	1	Heavy-duty foot switch(1000094)

7.5.10 PLATFORM HARNESS (PN.104030060012)



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

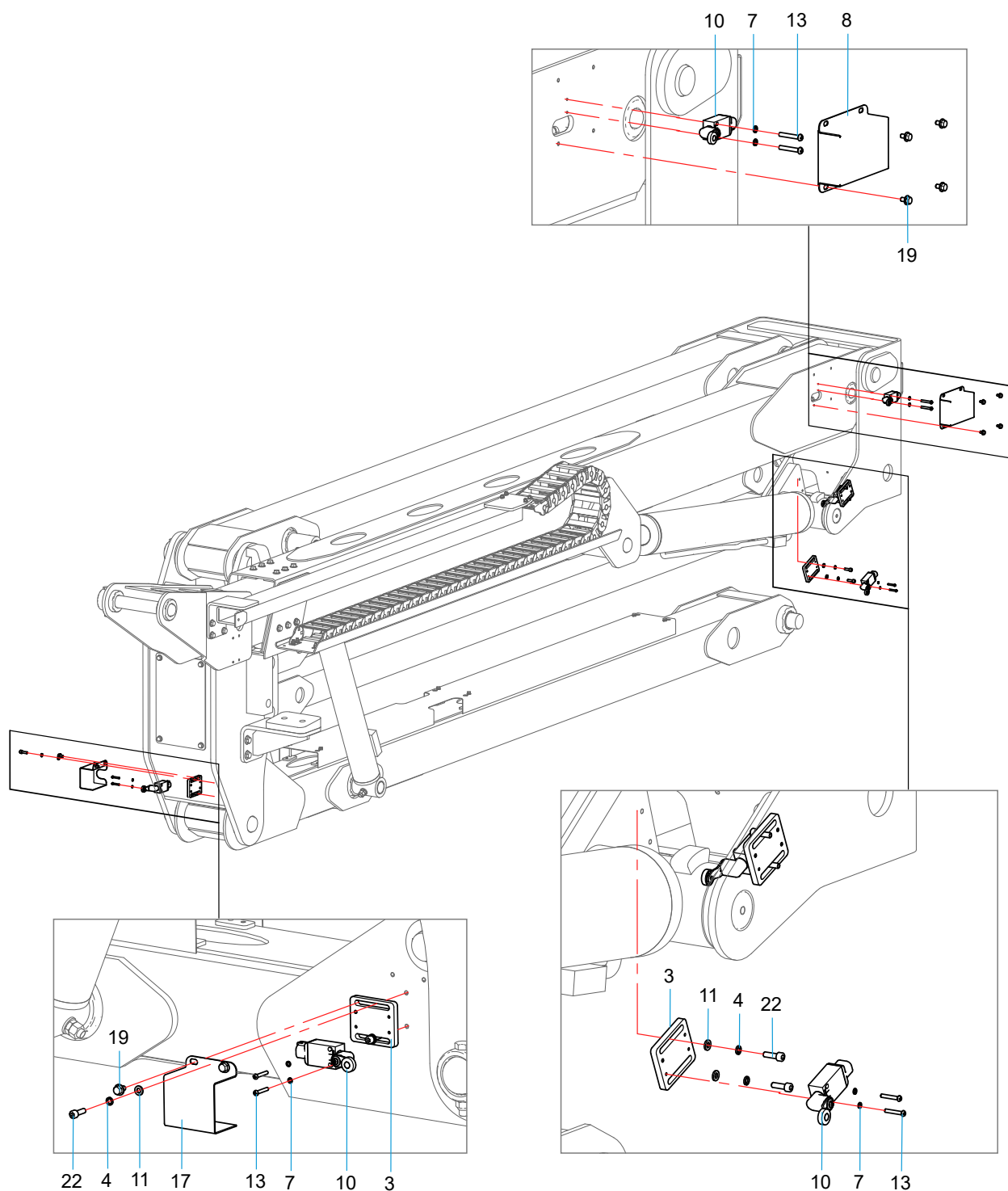
7.5.11 PLATFORM HARNESS (PN.114019060031)

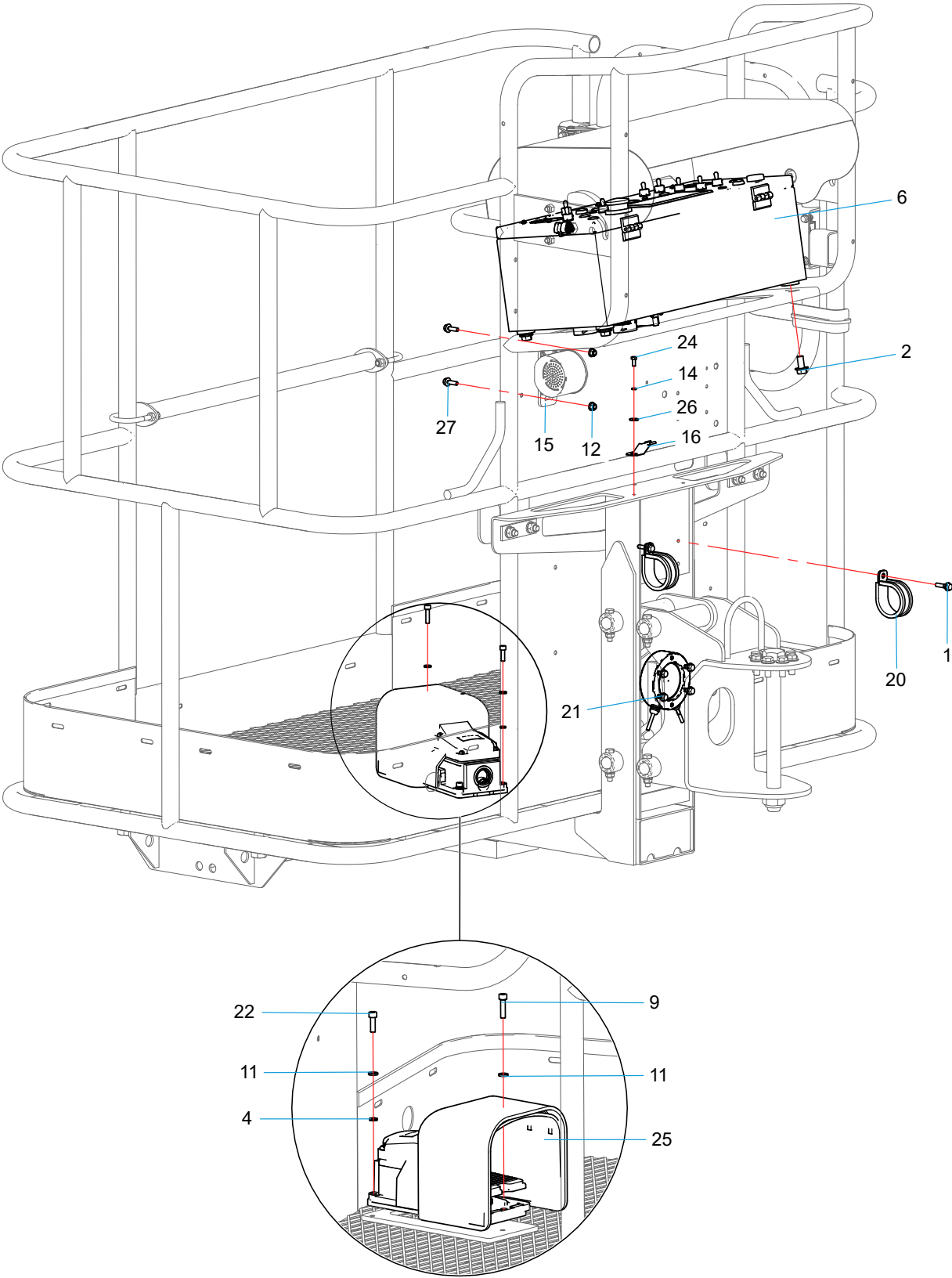


No.	Part No.	Qty.	Description
	114019060031	1	Harness, platform
1	203080000155	1	Connector
2	203080000159	1	Lock
3	203080000041	8	Female connector
4	203080000068	8	Blind plug
5	203080003001	1	End clip
6	203080000037	1	Corrugated pipe
7	203080000562	2	Thin-wall wire
8	203080000563	2	Thin-wall wire
9	203080000564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

7.6 BOOM ELECTRICAL SYSTEM (CONTINUOUS ROTATION- TURNTABLE LENGTH= 1.961 M & NON-CONTINUOUS ROTATION)

7.6.1 BOOM ELECTRICAL COMPONENTS INSTALLATION





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

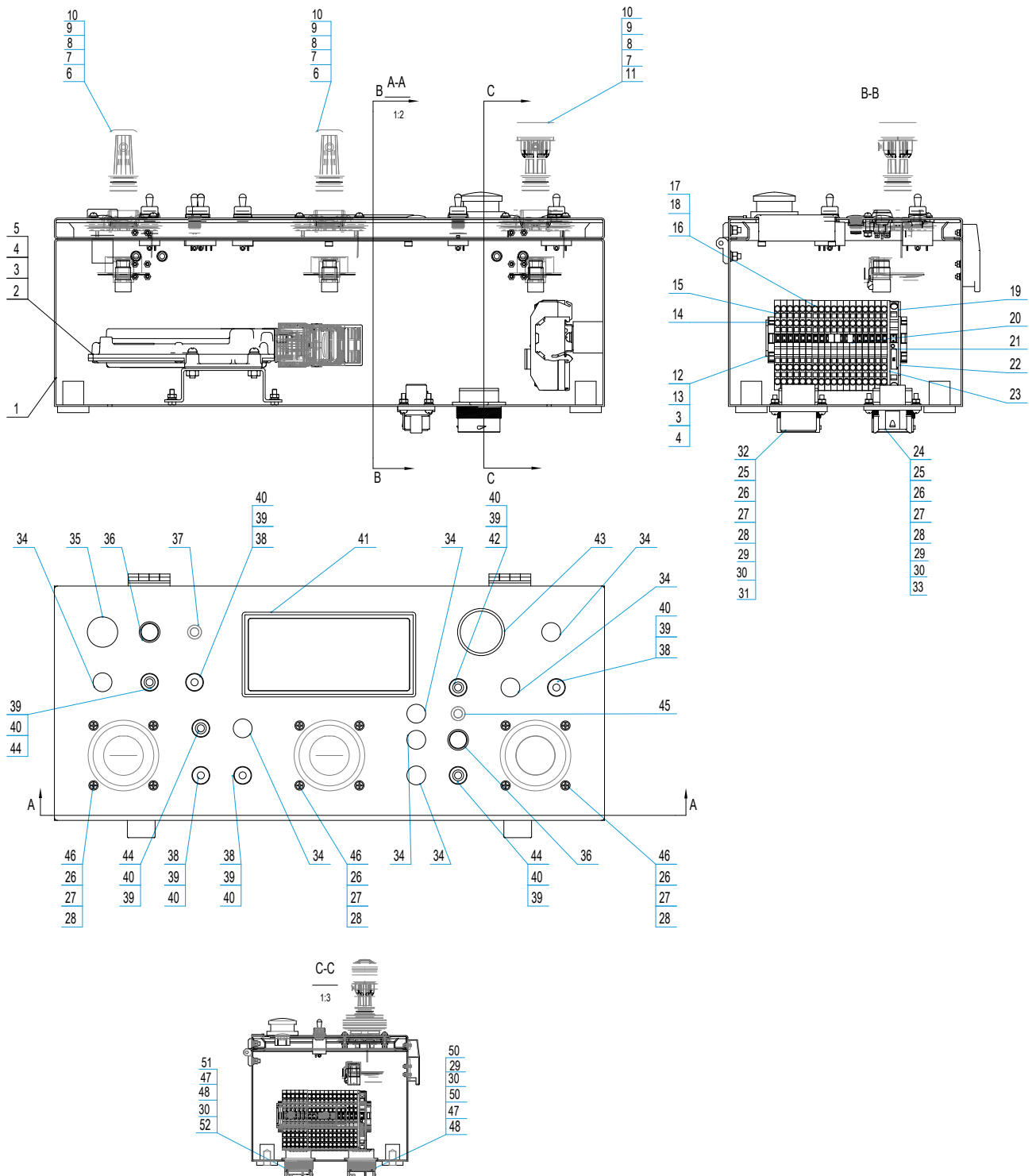
7.6.2 LOAD SENSOR OPTIONS

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

7.6.3 FOOT SWITCH OPTIONS

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

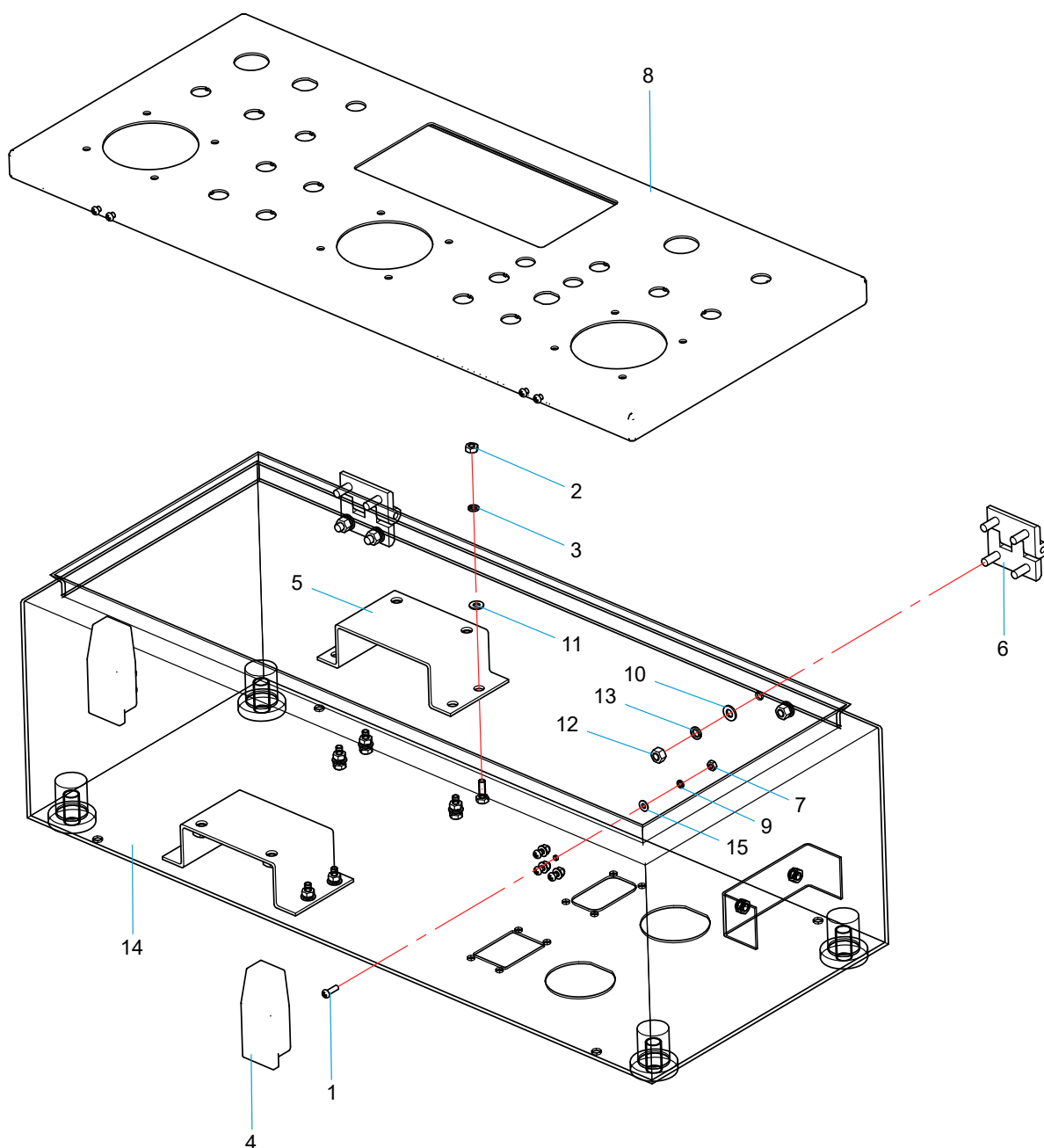
7.6.4 PLATFORM CONTROLLER ASSEMBLY (PN.104030060016)



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

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

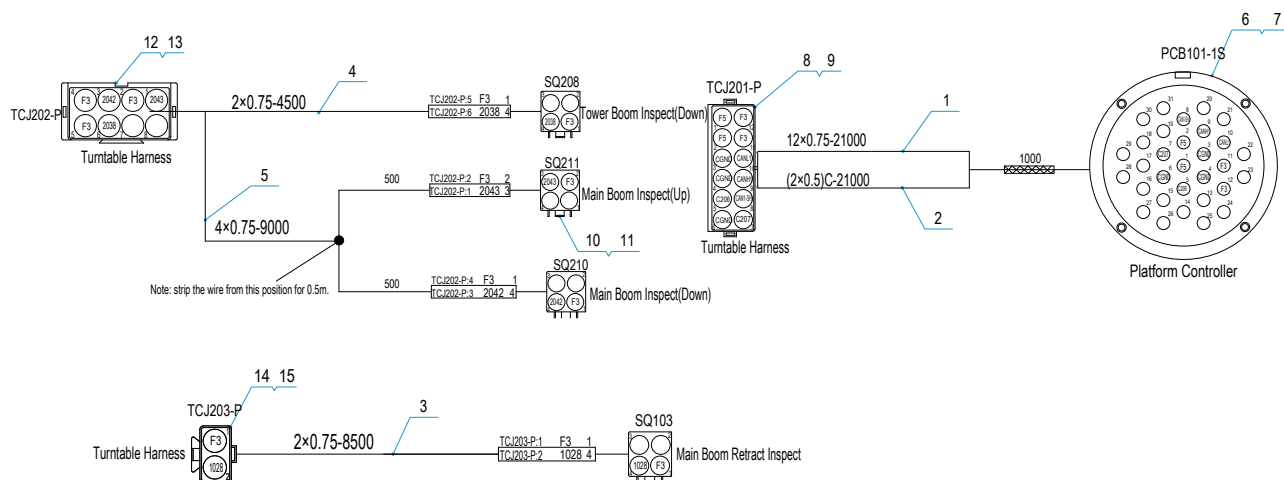
7.6.5 PLATFORM CONTROLLER(PN.105050063019)



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

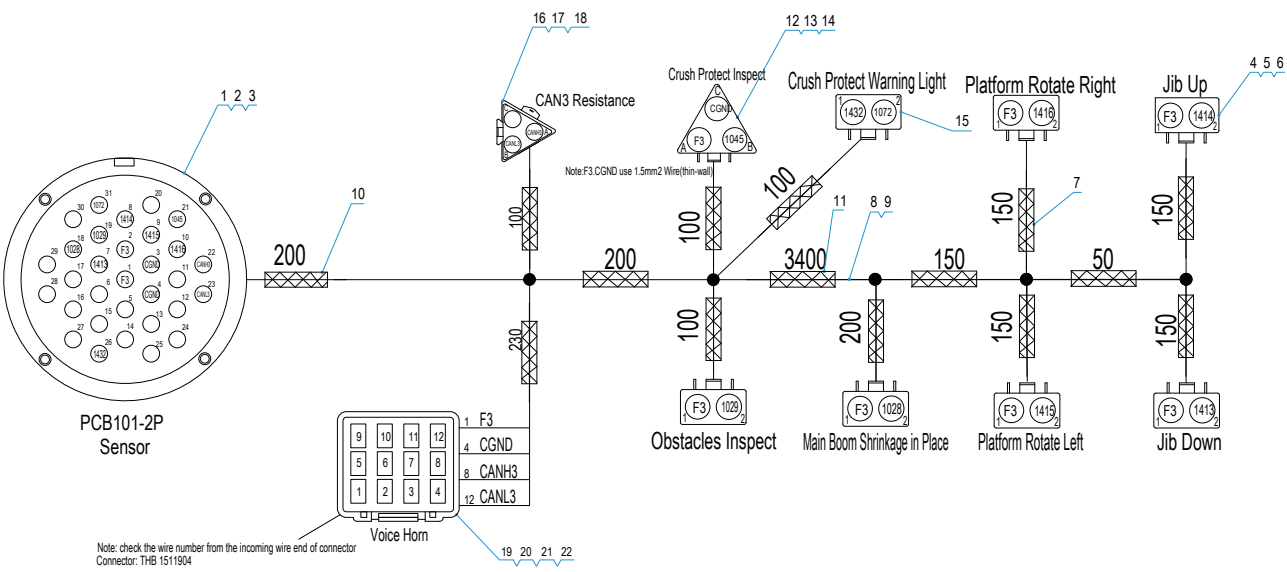
No.	Part No.	Qty.	Description
	104030060013	1	Wiring DIAG, control box (platform)
1	203080000564	15	Thin-wall wire
2	203080000033	14	Male connector
3	203080000133	2	Terminal, blade-hole type
4	203080000023	27	Ring tongue terminal
5	203080000036	16	Cold-pressed terminal
6	203080000404	1	Sheath
7	203080000046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

7.6.7 CABLE TRACK DIAGRAM (PN.104030060014)



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

7.6.8 PLATFORM HARNESS (PN.104030060012)



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

[illegible]

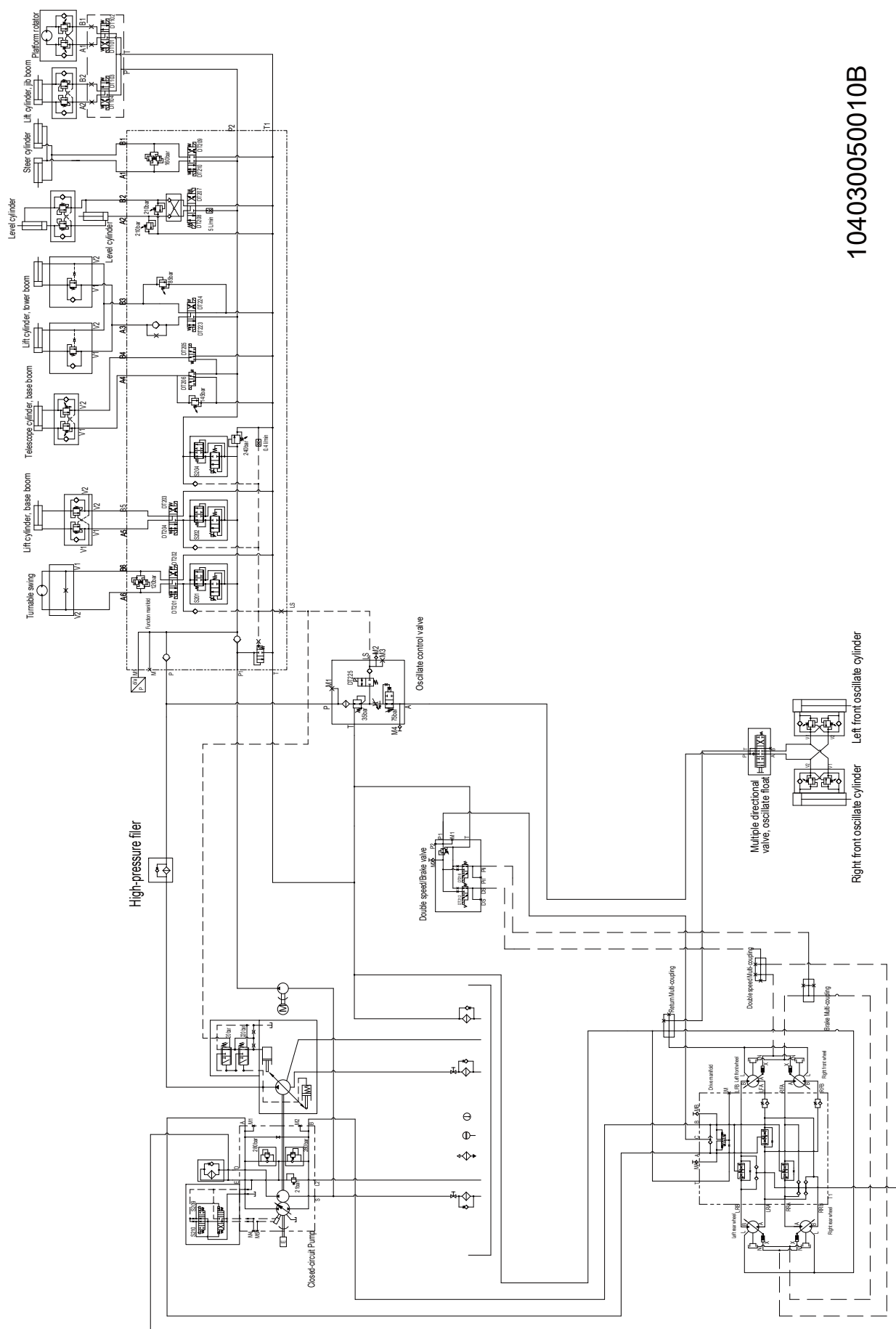
No.	Part No.	Qty.	Description
	114019060031	1	Harness, platform
1	203080000155	1	Connector
2	203080000159	1	Lock
3	203080000041	8	Female connector
4	203080000068	8	Blind plug
5	203080003001	1	End clip
6	203080000037	1	Corrugated pipe
7	203080000562	2	Thin-wall wire
8	203080000563	2	Thin-wall wire
9	203080000564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

This Page Intentionally Left Blank

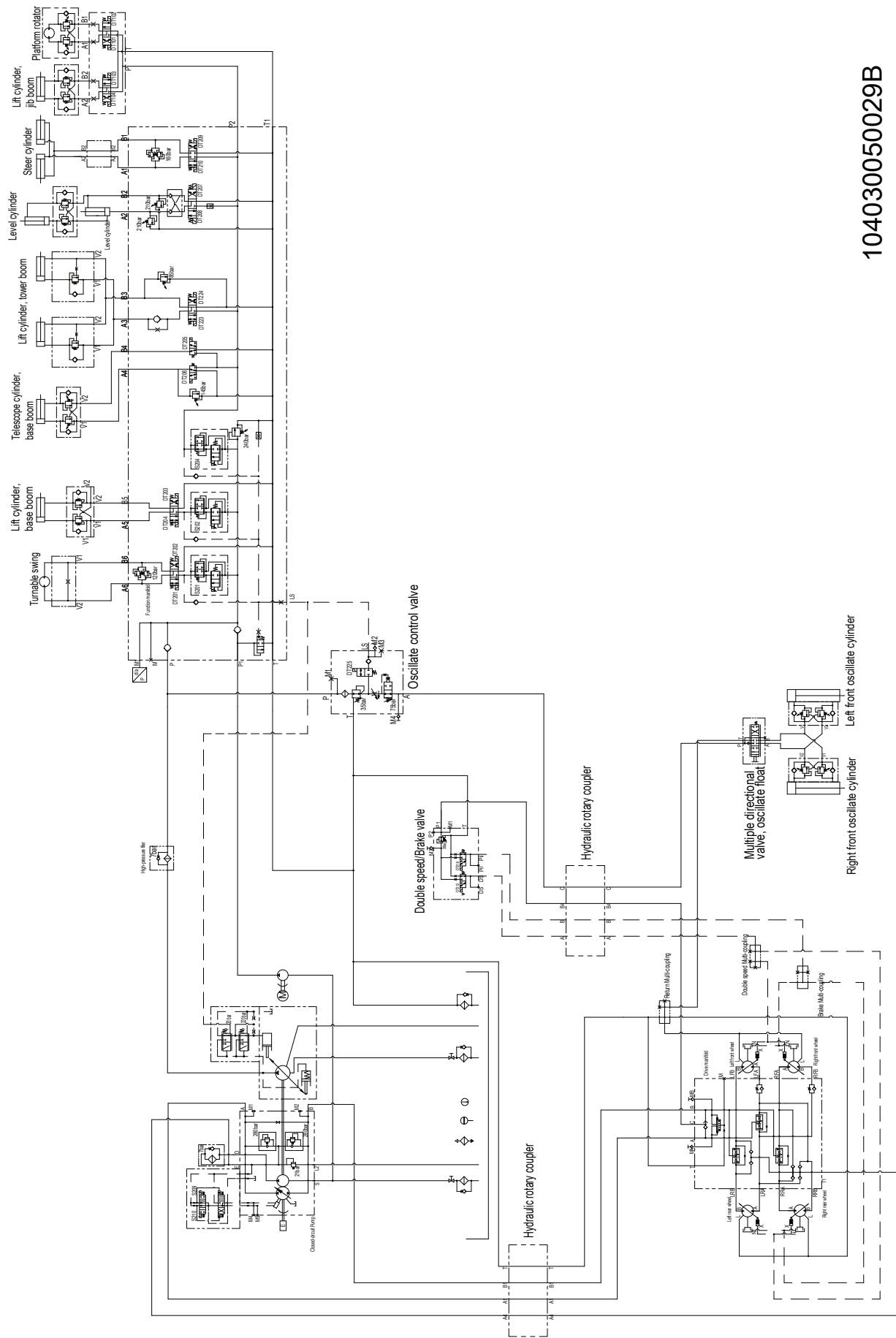
8 SCHEMATIC DIAGRAM

8.1 HYDRAULIC SCHEMATIC DIAGRAM

104030050010B



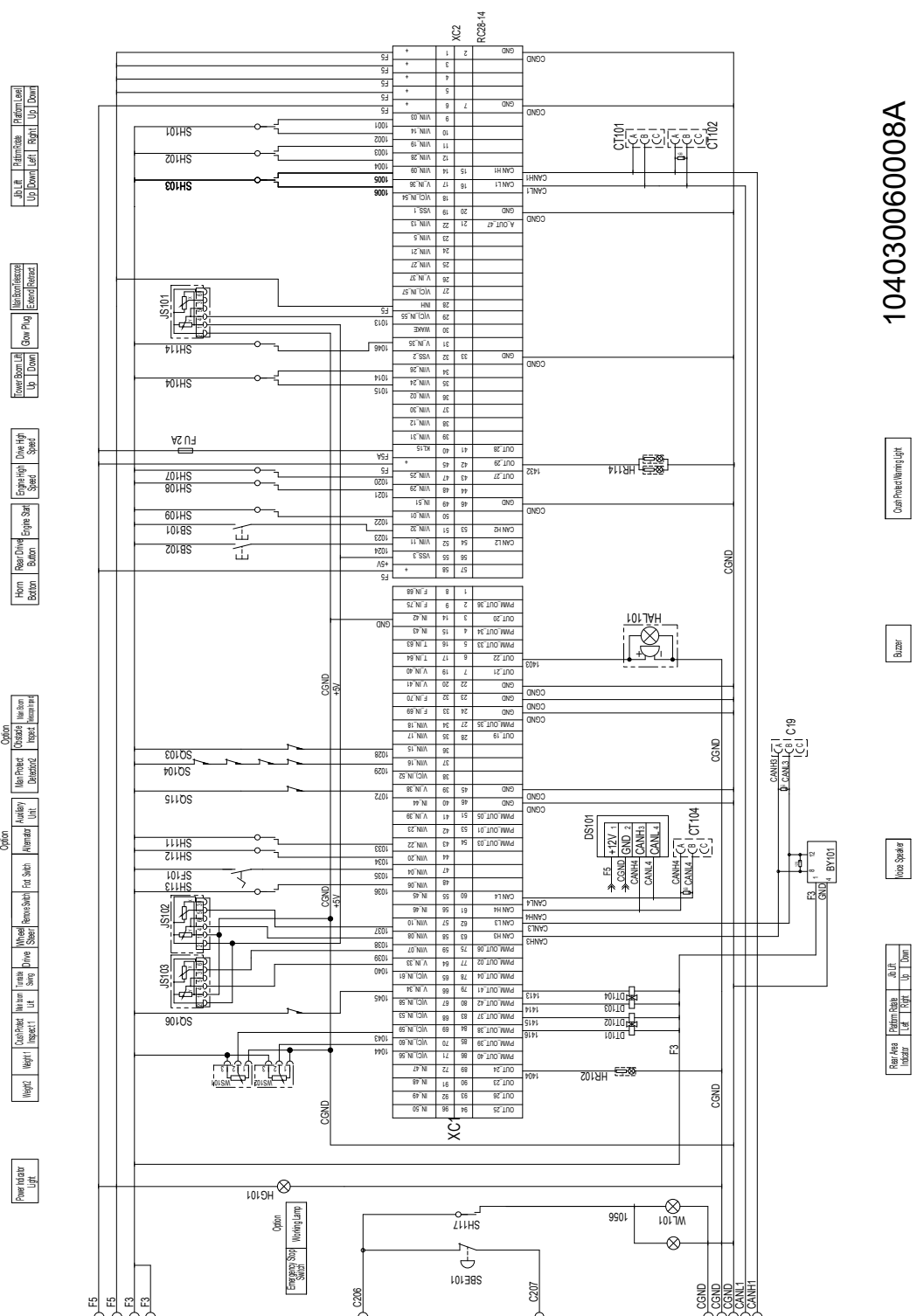
Hydraulic Schematic Diagram (Continuous Slewing)



104030050029B

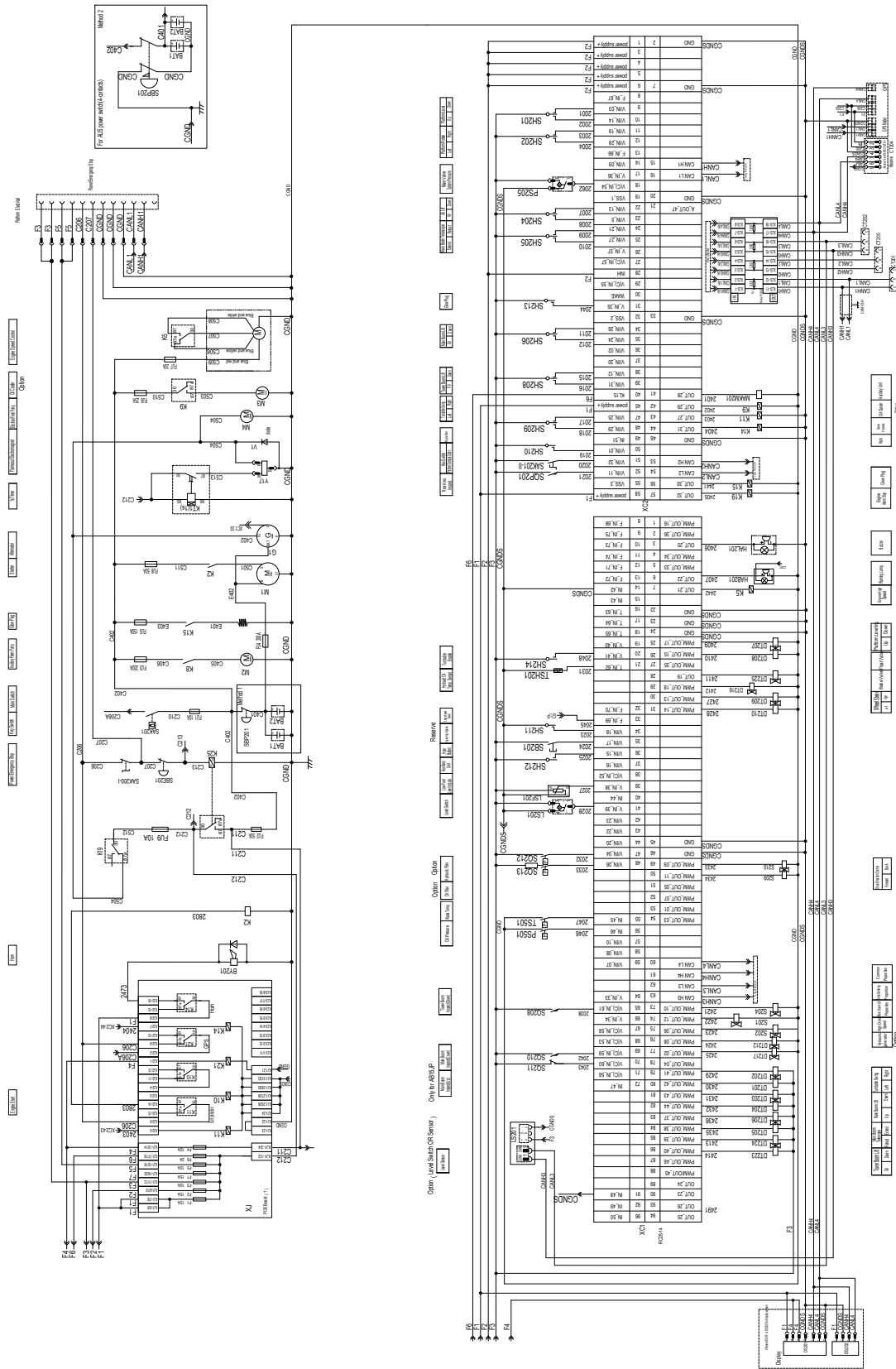
8.2 ELECTRICAL SCHEMATIC DIAGRAM

Electrical Schematic Diagram – Platform



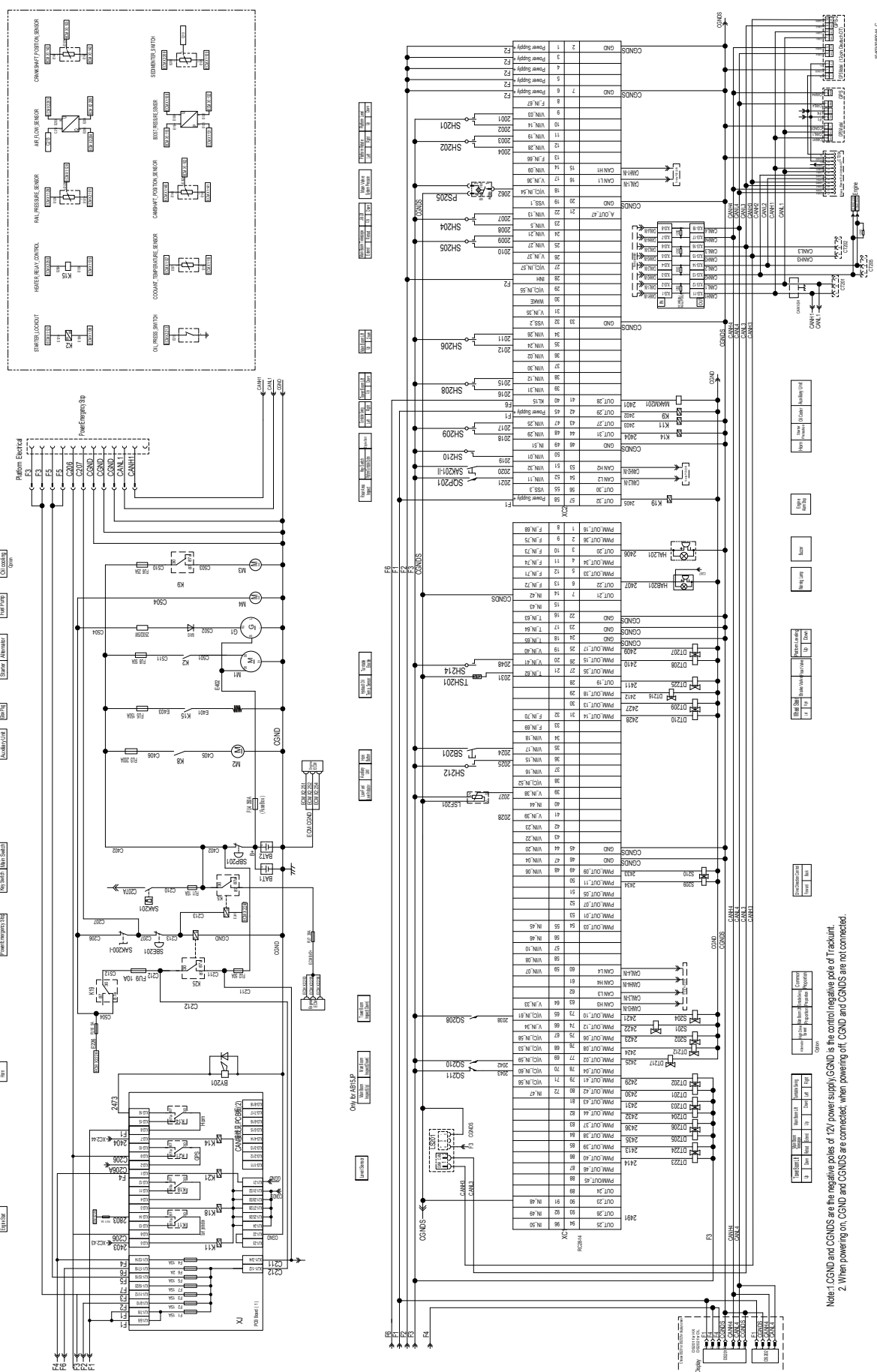
104030060008A

Electrical Schematic Diagram – Turntable (Kubota D1105-E4B-CHN-1/43.2kW/Kubota V2403BM-DI-CT04)

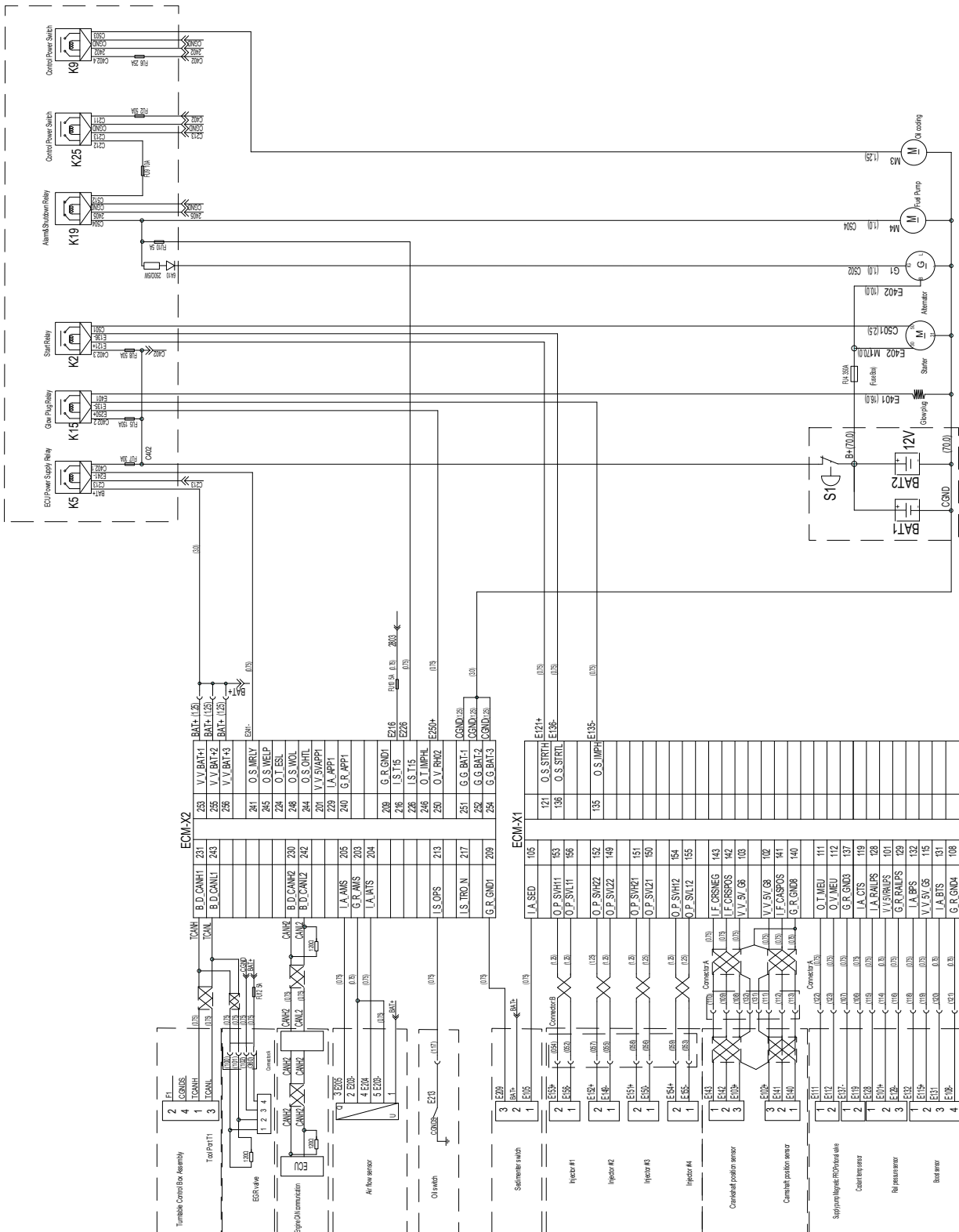


104030060007,C

Electrical Schematic Diagram – Turntable (Kubota V2403-CR-TIE4B/43.2kW/US Tier 4)



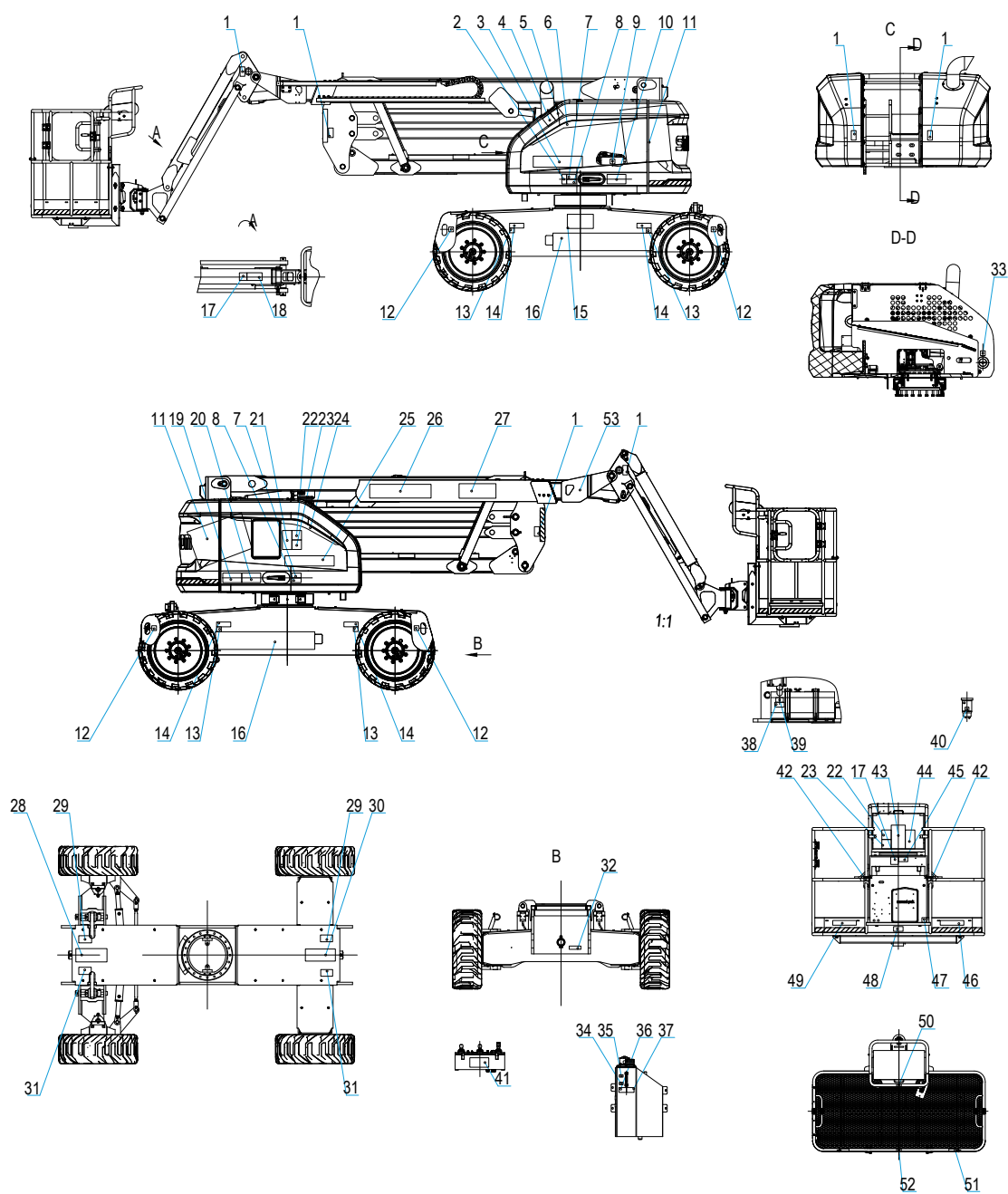
Electrical Schematic Diagram – Engine (Kubota V2403-CR-TIE4B)



This Page Intentionally Left Blank

9 DECALS DIAGRAM

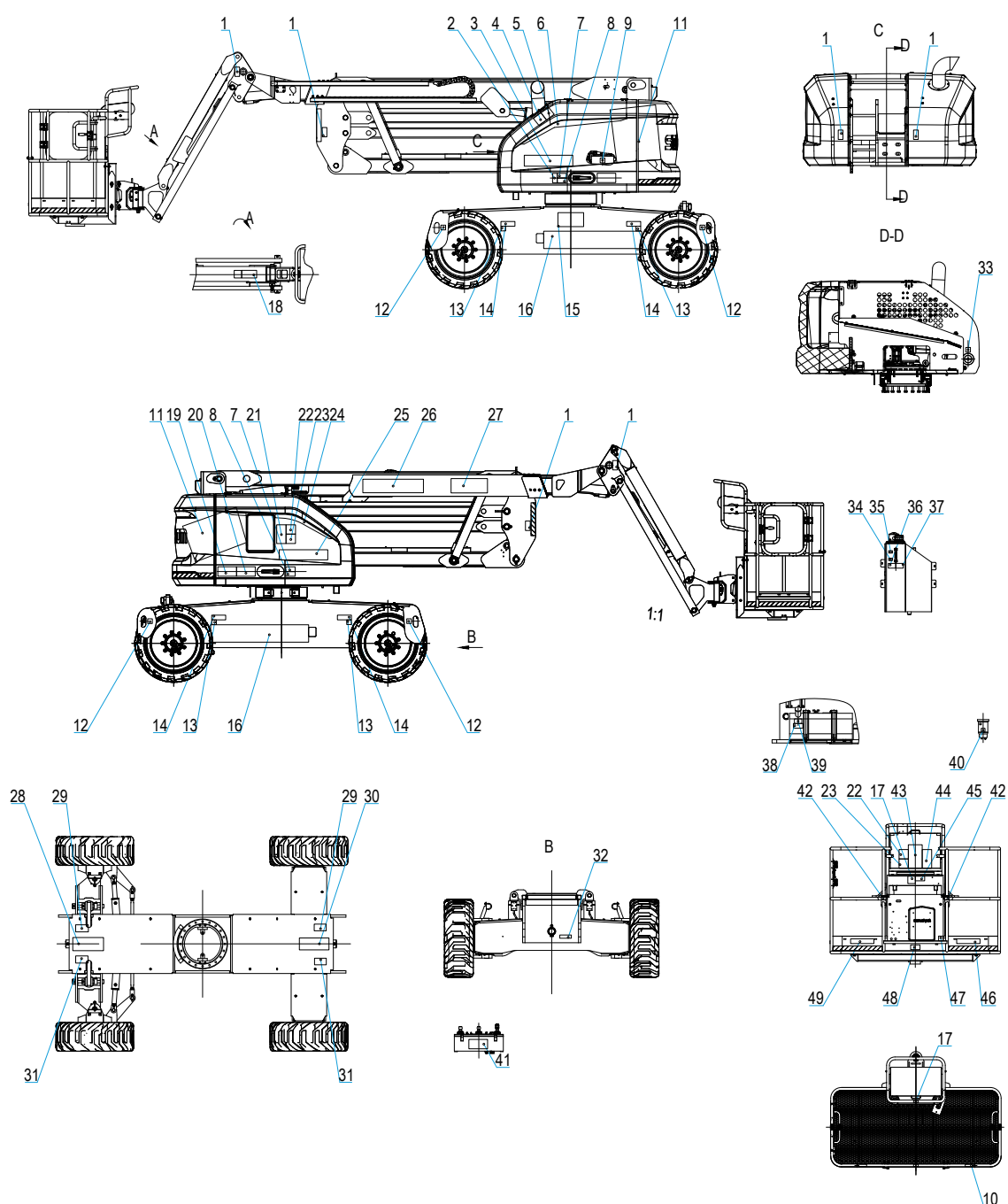
9.1 GENERAL DIAGRAM OF DECALS POSITIONS GB (AB15J PLUS)



No.	Part No.	Qty.	Description
1	114029100028	6	Decal, crush hazard
2	103010100028	1	Decal, explosion hazard
3	104030100037	1	Decal, right turntable cover (AB15J Plus)
4	103010100047	1	Decal, noise 104dB
5	103010100045	1	Decal, burn hazard
6	104030100040	1	Decal, styling (right turntable cover, AB15J Plus)
7	114029100025	2	Decal, tipping hazard
8	114029100020	2	Decal, bulkhead overhaul
9	114029100019	1	Decal, do not flush with water
10	103010100019	1	Decal, IPAF
11	103010100031	2	LOGO symbol (handshake, medium)
12	114029100021	4	Decal, lifting points
13	114029100045	4	Decal, wheel load 4320kg
14	103010100013	4	Decal, tipping hazard
15	215050000012	4	Blind rivet 4×8-ZnD GB/T 12618.2
16	103010103045	2	Decal, Contact information
17	103010100011	2	Decal, do not let the platform touch the ground
18	103010100012	1	Decal, fall hazard
19	103010100017	1	Decal, general safety
20	103010100018	1	Decal, maintenance warning
21	103010100043	1	Decal, emergency down (AB)
22	114029100024	2	Decal, electrocution hazard
23	114029100030	2	Decal, tipping hazard
24	104030100041	1	Decal, styling (left turntable cover, AB15J Plus)
25	104030100038	1	Decal, left turntable cover (AB15J Plus)
26	104030100039	1	Decal, boom (AB15J Plus)
27	103010100038	1	LOGO-SINOBOOM (small)
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	103010100002	1	Decal, emergency stop switch
34	104011100003	1	Decal-Hydraulic oil level
35	104011100010	1	Decal-Hydraulic oil level
36	104010100021	1	Decal-Hydraulic oil temperature range
37	104009100018	1	Decal-Hydraulic oil

No.	Part No.	Qty.	Description
38	103010100033	1	Decal, explosion hazard
39	104009100019	1	Decal-Diesel fuels
40	104009100020	1	Decal-Fuel-water separator
41	103010100061	1	Decal, tipping hazard (AB)
42	103010100050	2	Decal, lanyard anchorage points
43	104030100016	1	Decal, working envelope DIAG (AB15J Plus)
44	103010100027	1	Decal, operating instructions (AB)
45	103010100003	1	Decal, read manuals
46	114028020047	1	Decal, rated load 300kg
47	103010100010	1	Decal, footswitch
48	103010100009	1	Decal, crush hazard
49	103010100007	1	Decal, max allowable side force
50	103010100051	3	Decal, hand-hold position
51	103010100006	2	Decal, crush hazard
52	103010100052	3	Decal, non-insulatedd

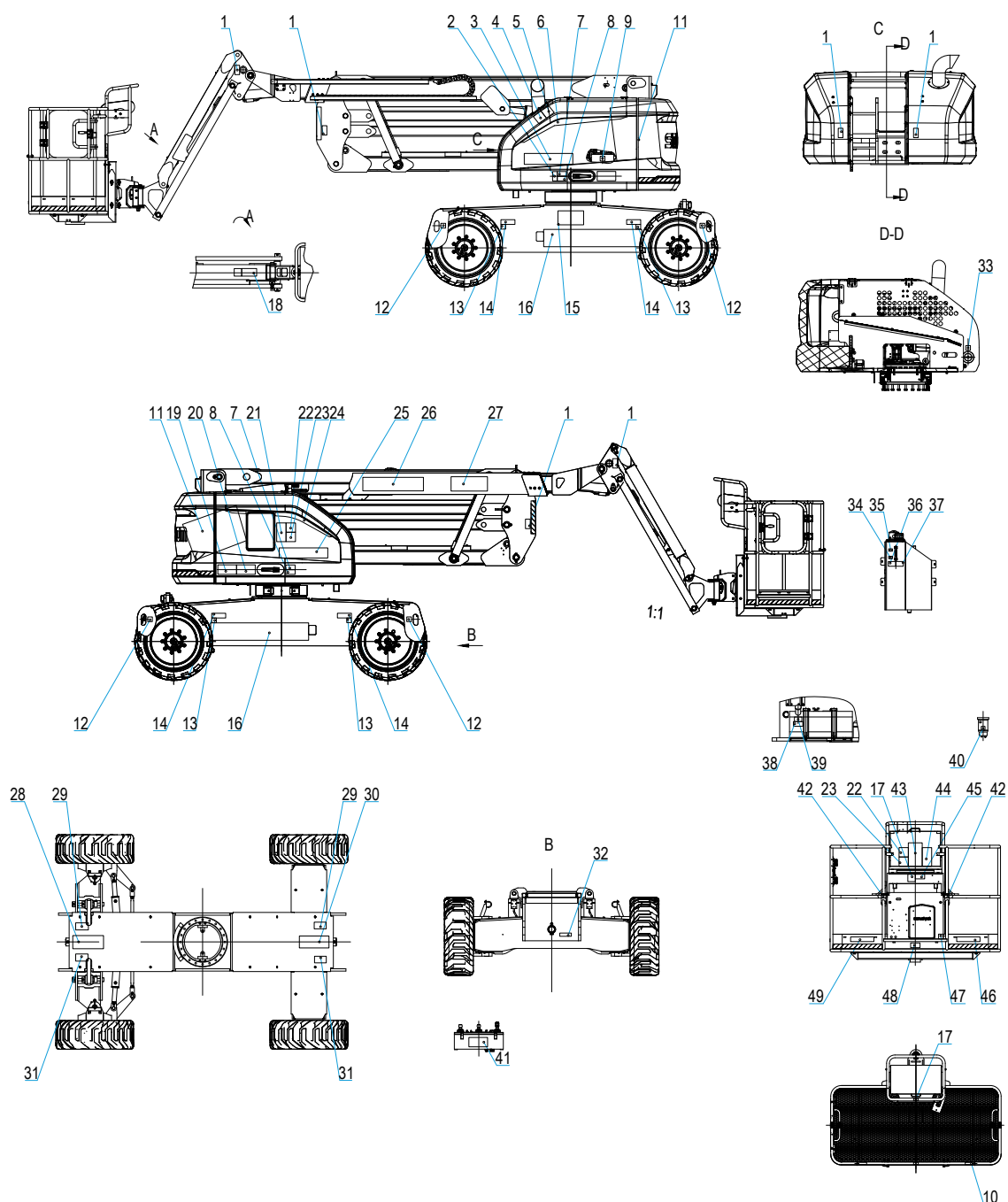
9.2 GENERAL DIAGRAM OF DECALS POSITIONS (CE-METRIC (AB15J PLUS))



No.	Part No.	Qty.	Description
1	114029100028	6	Decal, crush hazard
2	103010100028	1	Decal, explosion hazard
3	104030100037	1	Decal, right turntable cover (AB15J Plus)
4	103010100047	1	Decal, noise 104dB
5	103010100045	1	Decal, burn hazard
6	104030100040	1	Decal, styling (right turntable cover, AB15J Plus)
7	114029100025	2	Decal, tipping hazard
8	114029100020	2	Decal, bulkhead overhaul
9	114029100019	1	Decal, do not flush with water
10	103010100006	2	Decal, crush hazard
11	103010100031	2	LOGO symbol (handshake, medium)
12	114029100021	4	Decal, lifting points
13	114029100045	4	Decal, wheel load 4320kg
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	103010100051	3	Decal, hand-hold position
18	103010100012	1	Decal, fall hazard
19	103010100017	1	Decal, general safety
20	103010100018	1	Decal, maintenance warning
21	103010100043	1	Decal, emergency down (AB)
22	114029100024	2	Decal, electrocution hazard
23	114029100030	2	Decal, tipping hazard
24	104030100041	1	Decal, styling (left turntable cover, AB15J Plus)
25	104030100038	1	Decal, left turntable cover (AB15J Plus)
26	104030100039	1	Decal, boom (AB15J Plus)
27	103010100036	1	LOGO-SINOBOOM (small)
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	103010100002	1	Decal, emergency stop switch
34	104011100003	1	Decal-Hydraulic oil level
35	104011100010	1	Decal-Hydraulic oil level
36	104010100021	1	Decal-Hydraulic oil temperature range
37	114029100052	1	Decal, hydraulic oil

No.	Part No.	Qty.	Description
38	103010100033	1	Decal, explosion hazard
39	104023100009	1	Decal-Diesel fuels
40	104009100020	1	Decal-Fuel-water separator
41	103010100061	1	Decal, tipping hazard (AB)
42	103010100062	2	Decal, lanyard anchorage points
43	104030100016	1	Decal, working envelope DIAG (AB15J Plus)
44	103010100027	1	Decal, operating instructions (AB)
45	103010100003	1	Decal, read manuals
46	114028020047	1	Decal, rated load 300kg
47	103010100010	1	Decal, footswitch
48	103010100009	1	Decal, crush hazard
49	103010100007	1	Decal, max allowable side force

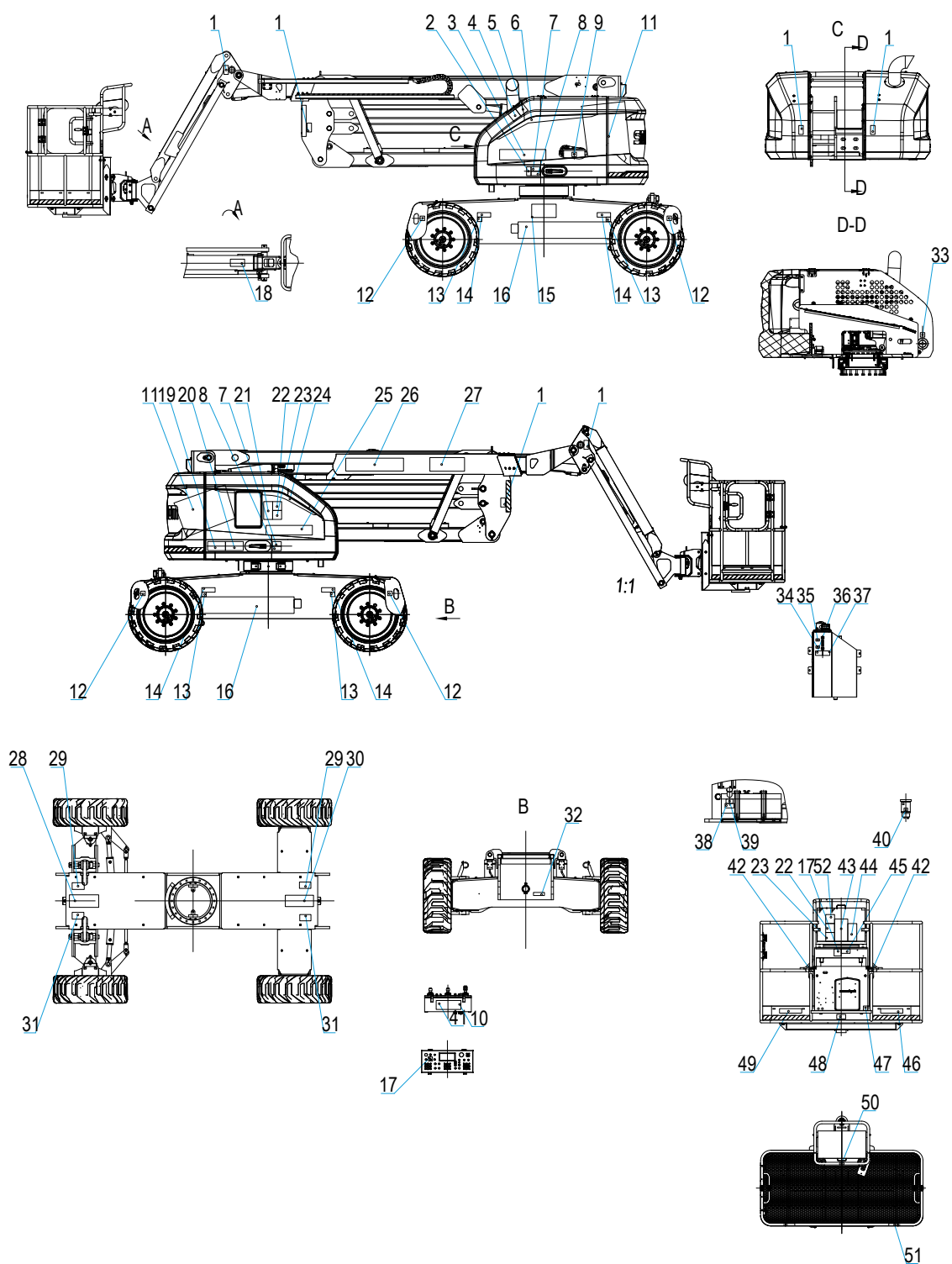
9.3 GENERAL DIAGRAM OF DECALS POSITIONS (CE-IMPERIAL (AB15J PLUS))



No.	Part No.	Qty.	Description
1	114029100028	6	Decal, crush hazard
2	103010100028	1	Decal, explosion hazard
3	104030100047	1	Decal-turntable cover (R, AB480J Plus)
4	103010100047	1	Decal, noise 104dB
5	103010100045	1	Decal, burn hazard
6	104030100040	1	Decal, styling (right turntable cover, AB15J Plus)
7	114029100025	2	Decal, tipping hazard
8	114029100020	2	Decal, bulkhead overhaul
9	114029100019	1	Decal, do not flush with water
10	103010100006	2	Decal, crush hazard
11	103010100031	2	LOGO symbol (handshake, medium)
12	114029100021	4	Decal, lifting points
13	114029100045	4	Decal, wheel load 4320kg
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	103010100051	3	Decal, hand-hold position
18	103010100012	1	Decal, fall hazard
19	103010100017	1	Decal, general safety
20	103010100018	1	Decal, maintenance warning
21	103010100043	1	Decal, emergency down (AB)
22	114029100024	2	Decal, electrocution hazard
23	114029100030	2	Decal, tipping hazard
24	104030100041	1	Decal, styling (left turntable cover, AB15J Plus)
25	104030100048	1	Decal-turntable cover (L, AB480J Plus)
26	104030100049	1	Decal-boom (AB480J Plus)
27	103010100036	1	LOGO-SINOBOOM (small)
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	103010100002	1	Decal, emergency stop switch
34	104011100003	1	Decal-Hydraulic oil level
35	104011100010	1	Decal-Hydraulic oil level
36	104010100021	1	Decal-Hydraulic oil temperature range
37	114029100052	1	Decal, hydraulic oil

No.	Part No.	Qty.	Description
38	103010100033	1	Decal, explosion hazard
39	104023100009	1	Decal-Diesel fuels
40	104009100020	1	Decal-Fuel-water separator
41	103010100061	1	Decal, tipping hazard (AB)
42	103010100062	2	Decal, lanyard anchorage points
43	104030100016	1	Decal, working envelope DIAG (AB15J Plus)
44	103010100027	1	Decal, operating instructions (AB)
45	103010100003	1	Decal, read manuals
46	114028020047	1	Decal, rated load 300kg
47	103010100010	1	Decal, footswitch
48	103010100009	1	Decal, crush hazard
49	103010100007	1	Decal, max allowable side force

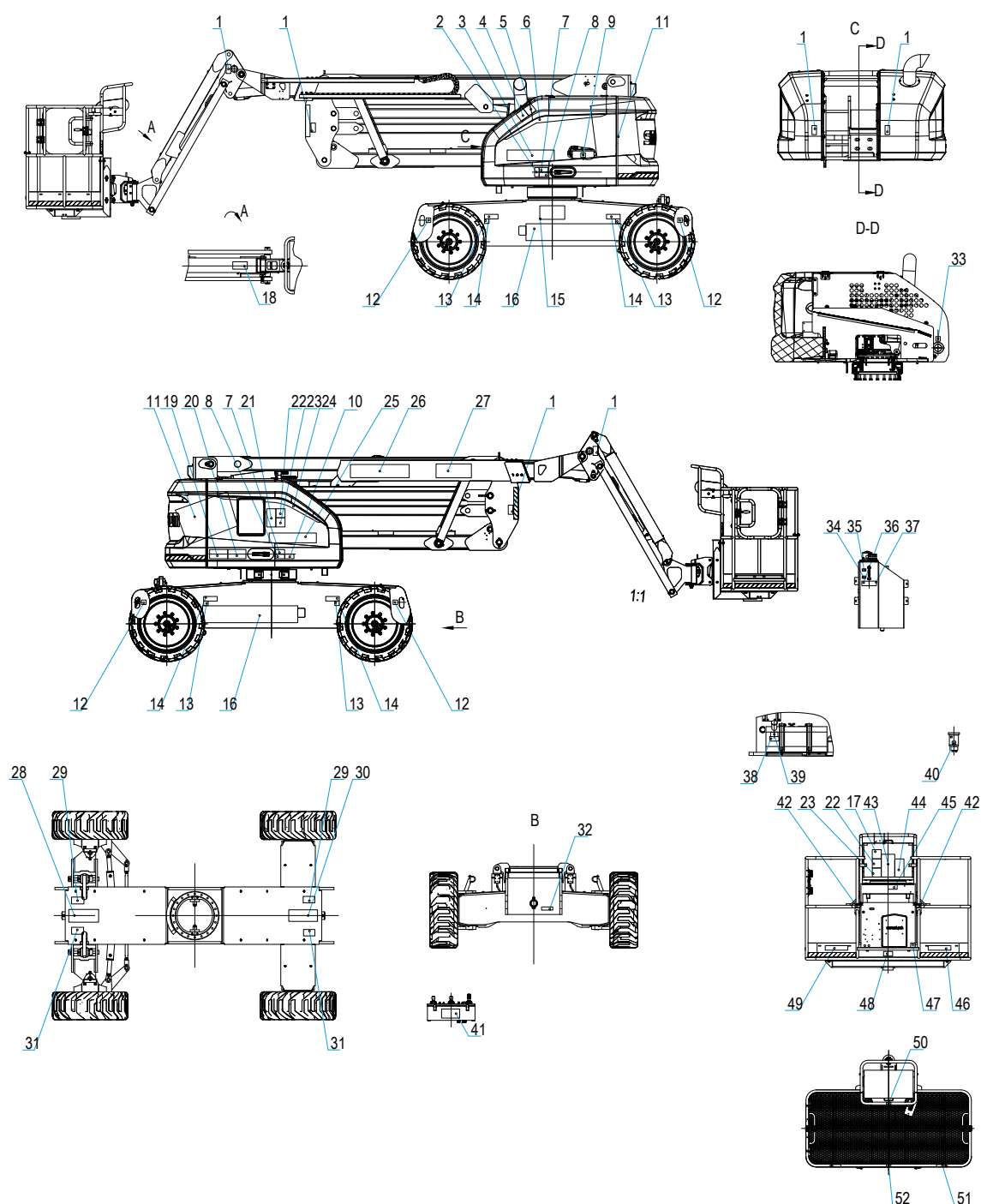
9.4 GENERAL DIAGRAM OF DECALS POSITIONS AS (AB15J PLUS)



No.	Part No.	Qty.	Description
1	114029100028	6	Decal, crush hazard
2	103010100028	1	Decal, explosion hazard
3	104030100037	1	Decal, right turntable cover (AB15J Plus)
4	103010100047	1	Decal, noise 104dB
5	103010100045	1	Decal, burn hazard
6	104030100040	1	Decal, styling (right turntable cover, AB15J Plus)
7	114029100025	2	Decal, tipping hazard
8	114029100020	2	Decal, bulkhead overhaul
9	114029100019	1	Decal, do not flush with water
10	105084100037	1	Decal, operator protective warning
11	103010100031	2	LOGO symbol (handshake, medium)
12	114029100021	4	Decal, lifting points
13	114029100045	4	Decal, wheel load 4320kg
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	105084100038	1	Decal, operator protective reset confirm
18	103010100012	1	Decal, fall hazard
19	103010100017	1	Decal, general safety
20	103010100018	1	Decal, maintenance warning
21	103010100043	1	Decal, emergency down (AB)
22	114029100024	2	Decal, electrocution hazard
23	114029100030	2	Decal, tipping hazard
24	104030100041	1	Decal, styling (left turntable cover, AB15J Plus)
25	104030100038	1	Decal, left turntable cover (AB15J Plus)
26	104030100039	1	Decal, boom (AB15J Plus)
27	103010100036	1	LOGO-SINOBOOM (small)
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	103010100065	1	Decal, emergency stop switch
34	104011100003	1	Decal-Hydraulic oil level
35	104011100010	1	Decal-Hydraulic oil level
36	104010100021	1	Decal-Hydraulic oil temperature range
37	114029100052	1	Decal, hydraulic oil

No.	Part No.	Qty.	Description
38	103010100033	1	Decal, explosion hazard
39	104023100009	1	Decal-Diesel fuels
40	104009100020	1	Decal-Fuel-water separator
41	103010100061	1	Decal, tipping hazard (AB)
42	103010100062	2	Decal, lanyard anchorage points
43	104030100016	1	Decal, working envelope DIAG (AB15J Plus)
44	103010100027	1	Decal, operating instructions (AB)
45	103010100003	1	Decal, read manuals
46	114028020047	1	Decal, rated load 300kg
47	103010100010	1	Decal, footswitch
48	103010100009	1	Decal, crush hazard
49	103010100007	1	Decal, max allowable side force
50	103010100051	3	Decal, hand-hold position
51	103010100006	2	Decal, crush hazard
52	103010100083	1	Decal, engine label

9.5 GENERAL DIAGRAM OF DECALS POSITIONS (ANSI&CSA-IMPERIAL (AB15J PLUS))



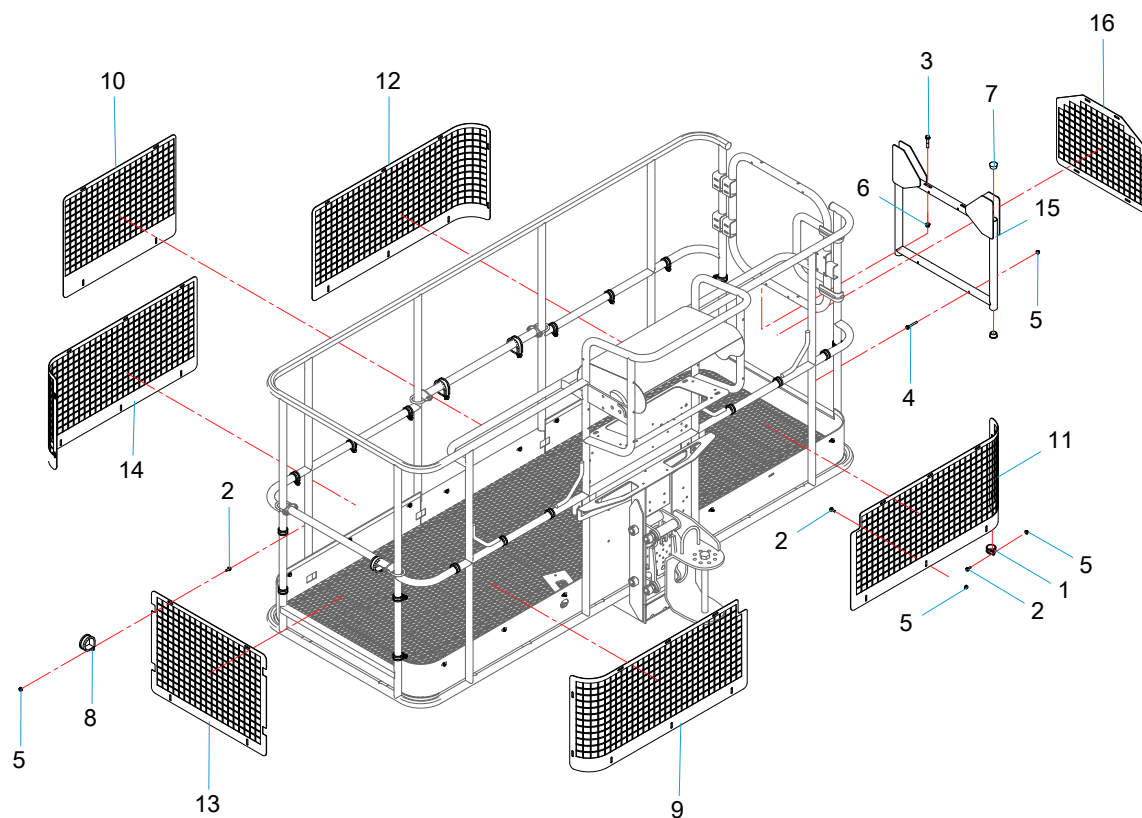
No.	Part No.	Qty.	Description
1	114029100028	6	Decal, crush hazard
2	103010100028	1	Decal, explosion hazard
3	104030100047	1	Decal-turntable cover (R, AB480J Plus)
4	103010100047	1	Decal, noise 104dB
5	103010100045	1	Decal, burn hazard
6	104030100040	1	Decal, styling (right turntable cover, AB15J Plus)
7	114029100025	2	Decal, tipping hazard
8	114029100020	2	Decal, bulkhead overhaul
9	114029100019	1	Decal, do not flush with water
10	105060100014	1	Decal-Annual inspection
11	103010100031	2	LOGO symbol (handshake, medium)
12	114029100021	4	Decal, lifting points
13	114029100045	4	Decal, wheel load 4320kg
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	103010100084	1	Decal, engine label (ANSI&CSA)
18	103010100012	1	Decal, fall hazard
19	103010100017	1	Decal, general safety
20	103010100018	1	Decal, maintenance warning
21	103010100043	1	Decal, emergency down (AB)
22	114029100024	2	Decal, electrocution hazard
23	114029100030	2	Decal, tipping hazard
24	104030100041	1	Decal, styling (left turntable cover, AB15J Plus)
25	104030100048	1	Decal-turntable cover (L, AB480J Plus)
26	104030100049	1	Decal-boom (AB480J Plus)
27	103010100036	1	LOGO-SINOBOOM (small)
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	103010100002	1	Decal, emergency stop switch
34	104011100003	1	Decal-Hydraulic oil level
35	104011100010	1	Decal-Hydraulic oil level
36	104010100021	1	Decal-Hydraulic oil temperature range
37	114029100052	1	Decal, hydraulic oil

No.	Part No.	Qty.	Description
38	103010100033	1	Decal, explosion hazard
39	104023100009	1	Decal-Diesel fuels
40	104009100020	1	Decal-Fuel-water separator
41	103010100061	1	Decal, tipping hazard (AB)
42	103010100062	2	Decal, lanyard anchorage points
43	104030100016	1	Decal, working envelope DIAG (AB15J Plus)
44	103010100027	1	Decal, operating instructions (AB)
45	103010100003	1	Decal, read manuals
46	114028020047	1	Decal, rated load 300kg
47	103010100010	1	Decal, footswitch
48	103010100009	1	Decal, crush hazard
49	103010100007	1	Decal, max allowable side force
50	103010100051	3	Decal, hand-hold position
51	103010100006	2	Decal, crush hazard
52	103010100064	3	Decal, non-insulatedd

10 OPTIONS

10.1 HALF-HEIGHT MESH INSTALLATION OPTIONS

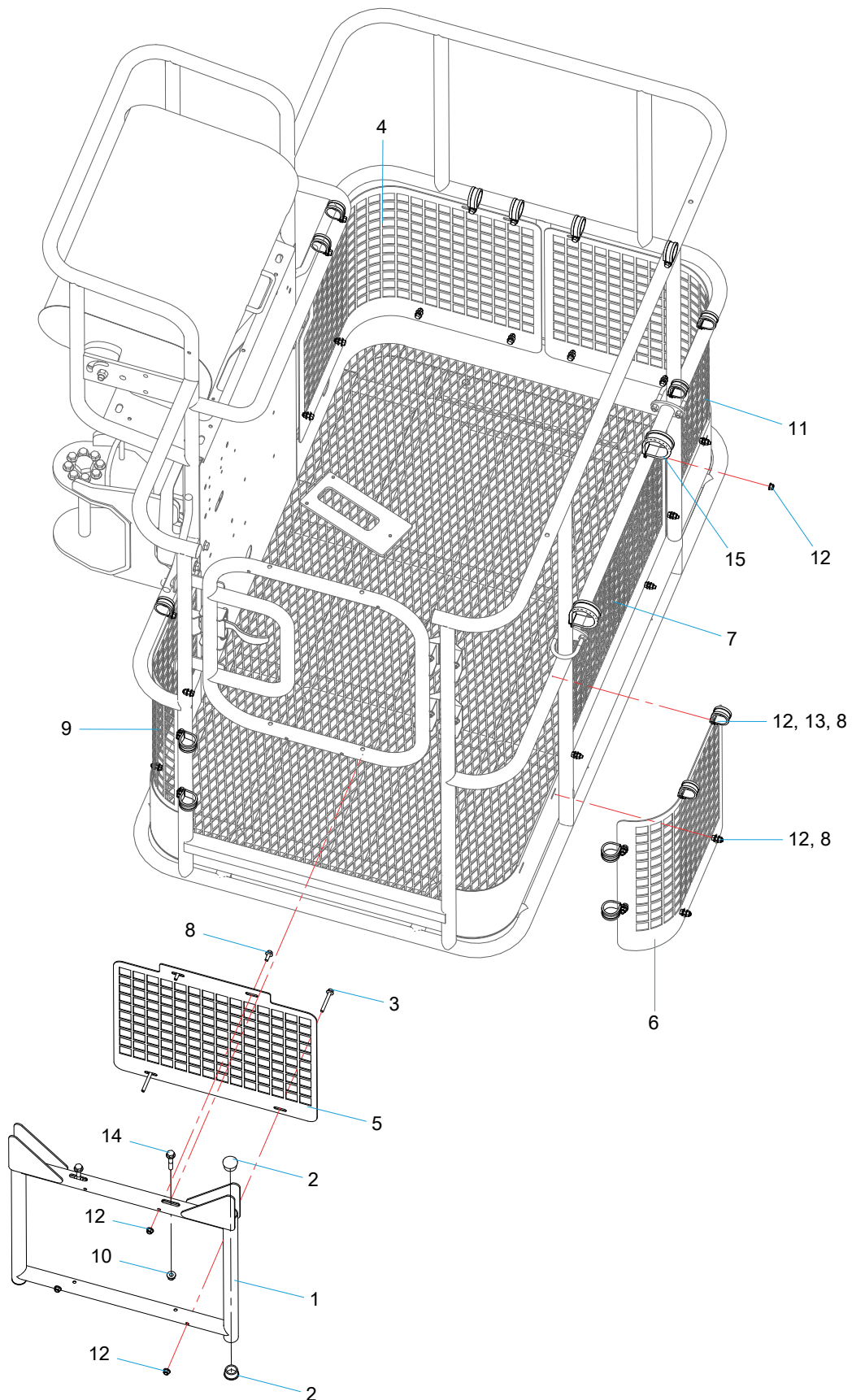
10.1.1 HALF-HEIGHT MESH INSTALLATION (FOR 2.44M [8FT] PLATFORM WITH SWING GATE)



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	216020000025	4	Ring, fixing (SSG)
9	105064043030	1	Coaming
10	105064043176	1	Coaming
11	105064043031	1	Coaming
12	105064043027	1	Coaming
13	105064043028	1	Coaming

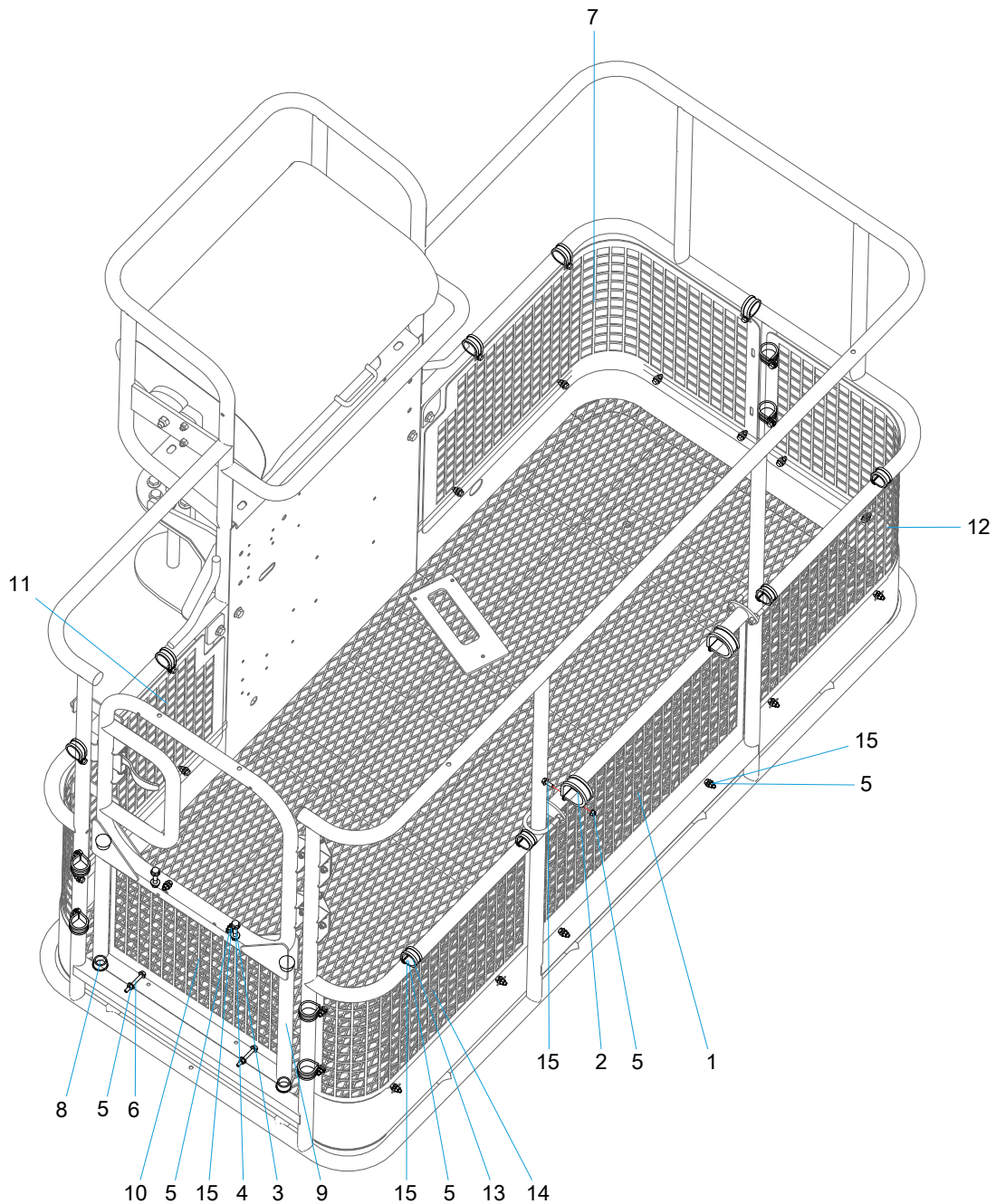
No.	Part No.	Qty.	Description
14	105064043175	1	Coaming
15	105064043103	1	Door frame weldment,lower
16	105064043107	1	Side coaming,lower

10.1.2 HALF-HEIGHT MESH INSTALLATION (FOR 1.45M [4.76FT] PLATFORM WITH SWING GATE)



No.	Part No.	Qty.	Description
	103006043015	1	INST, platform mesh (half-height, 1.45m swing gate)
1	105068043036	1	Door frame weldment,lower
2	105064043177	4	Tube cap
3	215010000283	2	Bolt M6×50-8.8-ZnD GB/T 5789
4	105068043050	1	Coaming
5	105068043032	1	Side coaming,lower
6	103006043016	1	Mesh 1
7	105064043194	1	Coaming
8	215010000230	32	Bolt M6×16-8.8-ZnD GB/T 5789
9	103006043017	1	Mesh 2
10	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
11	105068043052	1	Coaming
12	215030000107	35	Nut M6-A2-70 GB/T 6183.1
13	201051063041	15	Clamp
14	215010000257	2	Bolt M8×45-8.8-ZnD GB/T 5789
15	216020003014	2	Retaining ring

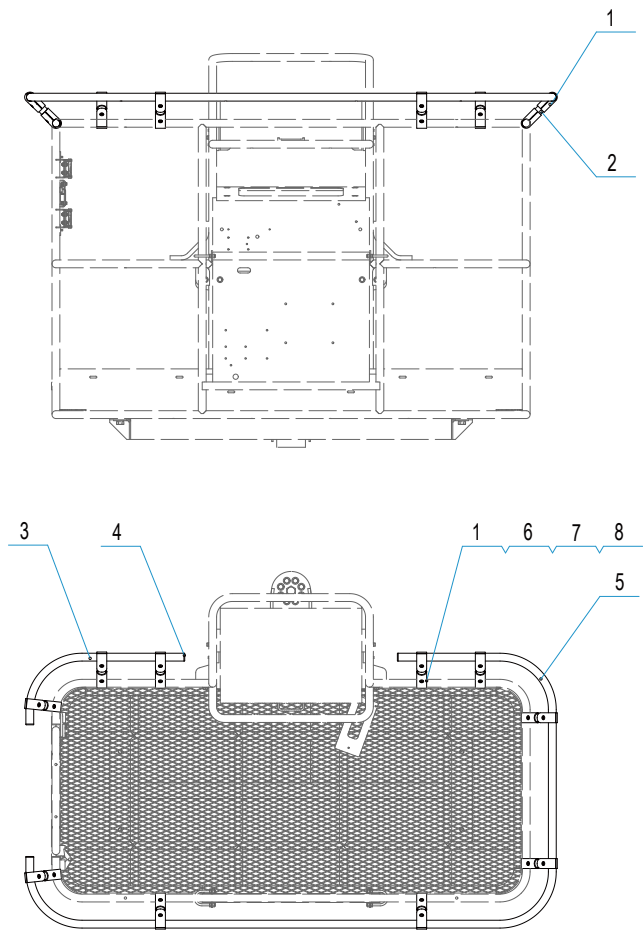
10.1.3 HALF-HEIGHT MESH INSTALLATION (FOR 1.83M [6FT] PLATFORM WITH SWING GATE)



No.	Part No.	Qty.	Description
1	105064043194	1	Coaming
2	216020000025	2	Ring, fixing (SSG)
3	215010000257	2	Bolt M8×45-8.8-ZnD GB/T 5789
4	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
5	215030000107	35	Nut M6-A2-70 GB/T 6183.1
6	215010000283	2	Bolt M6×50-8.8-ZnD GB/T 5789
7	105068043029	1	Coaming
8	105064043177	4	Tube cap
9	105068043036	1	Door frame weldment,lower
10	105068043032	1	Side coaming,lower
11	105064043193	1	Coaming
12	105068043038	1	Coaming
13	201051063041	15	Clamp
14	105068043031	1	Coaming
15	215010000230	33	Bolt M6×16-8.8-ZnD GB/T 5789

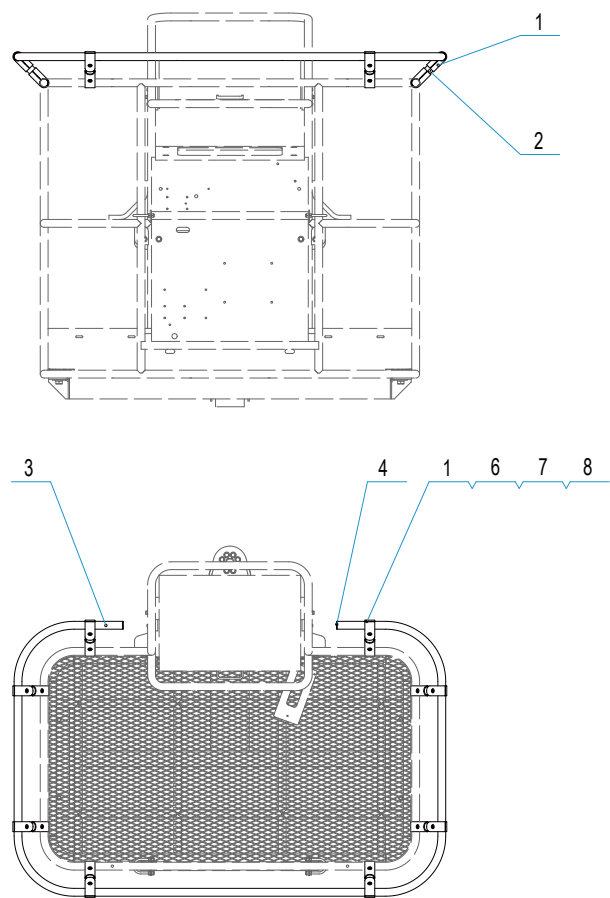
10.2 ANTI-PINCH HAND DEVICE OPTIONS

10.2.1 ANTI-PINCH HAND DEVICE (FOR 1.83M [6FT] PLATFORM WITH SWING GATE)



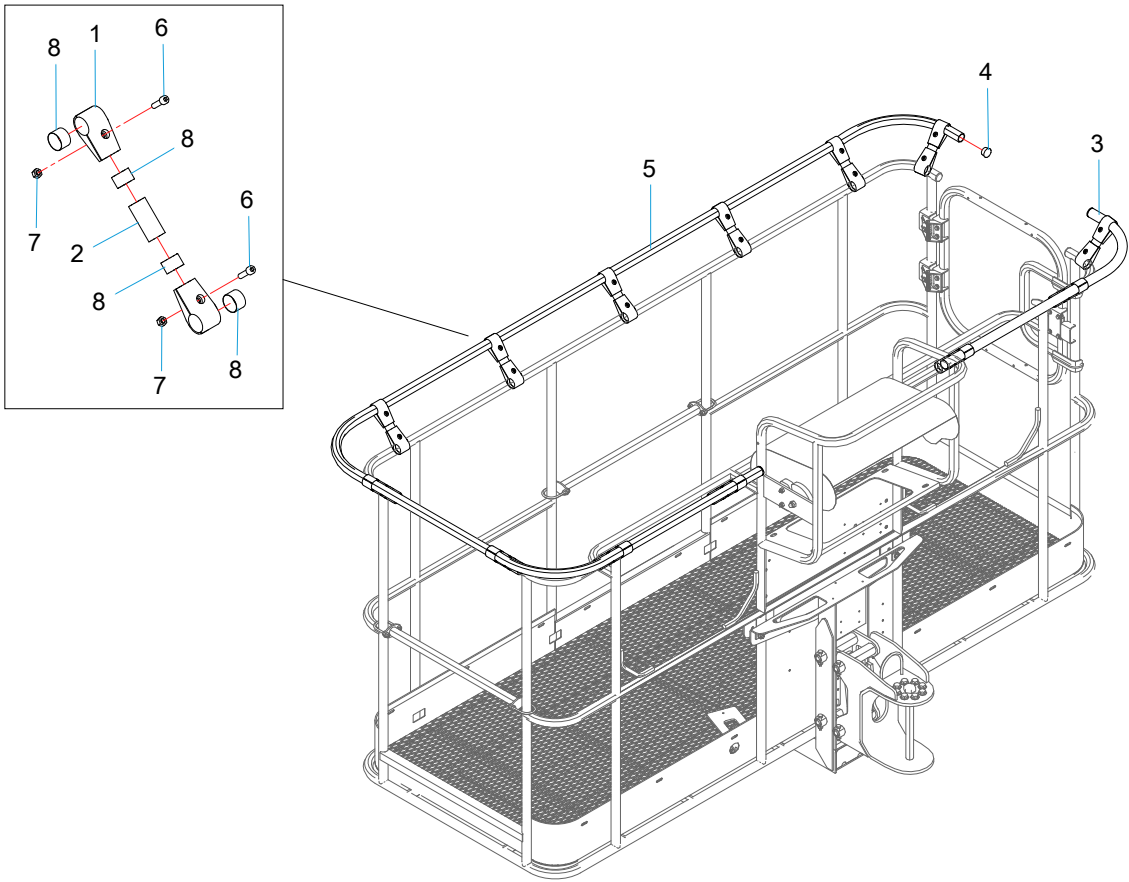
No.	Part No.	Qty.	Description
	105068043064	1	Anti-pinch device
1	209990003022	20	T-pipe connector
2	105068043069	10	Steel tube
3	105068043062	1	Steel tube
4	105064043177	4	Tube cap
5	105068043063	1	Steel tube
6	215020000025	20	Screw M8×30-8.8-ZnD GB/T 70.1
7	215030000005	20	Nut M8-8-ZnD-GB/T 6170
8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

10.2.2 ANTI-PINCH HAND DEVICE (FOR 1.45M [4.76FT] PLATFORM WITH SWING GATE)



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

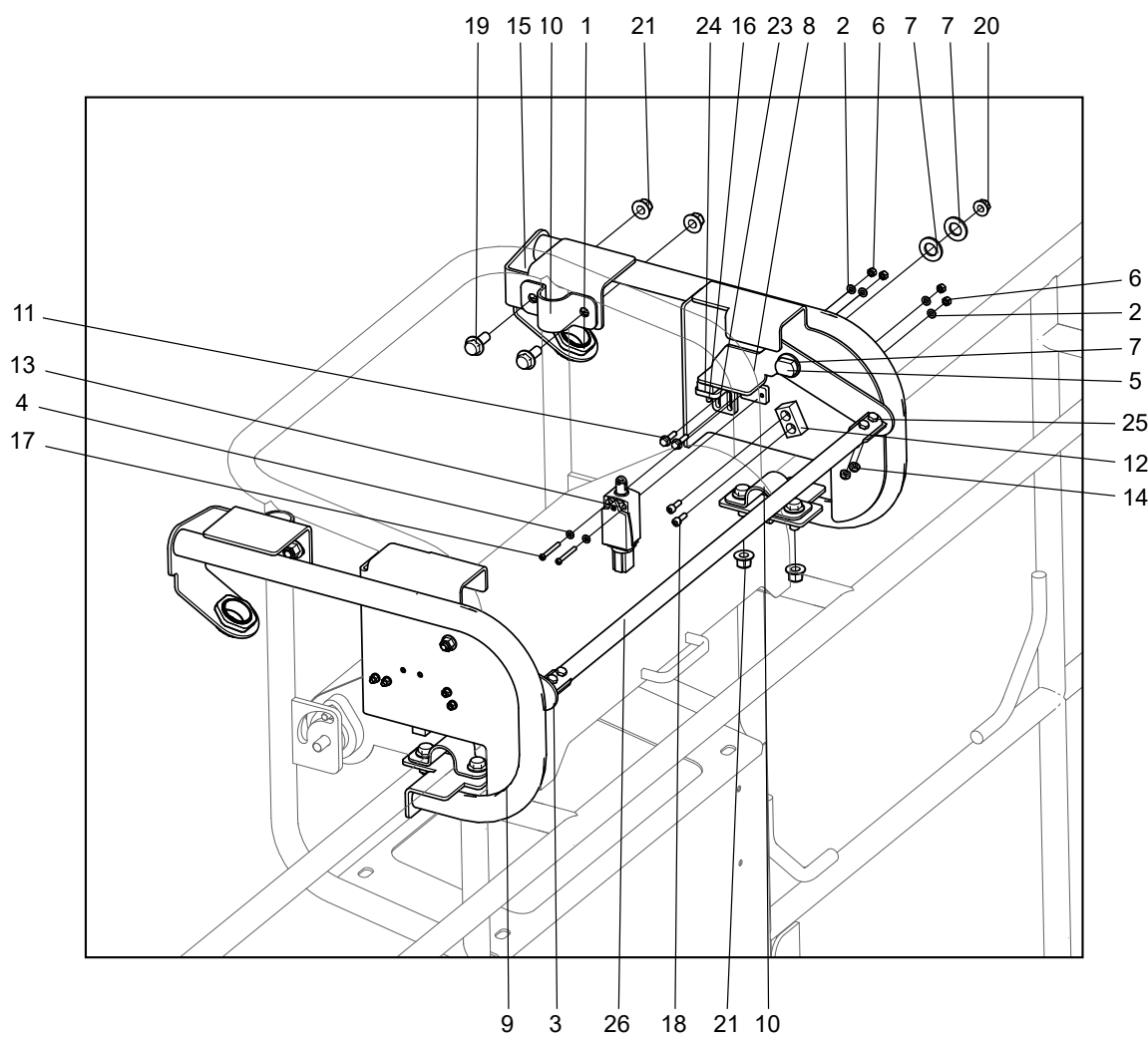
10.2.3 ANTI-PINCH HAND DEVICE (FOR 2.44M [8FT] PLATFORM WITH SWING GATE)



No.	Part No.	Qty.	Description
	105068043071	1	Anti-pinch device
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

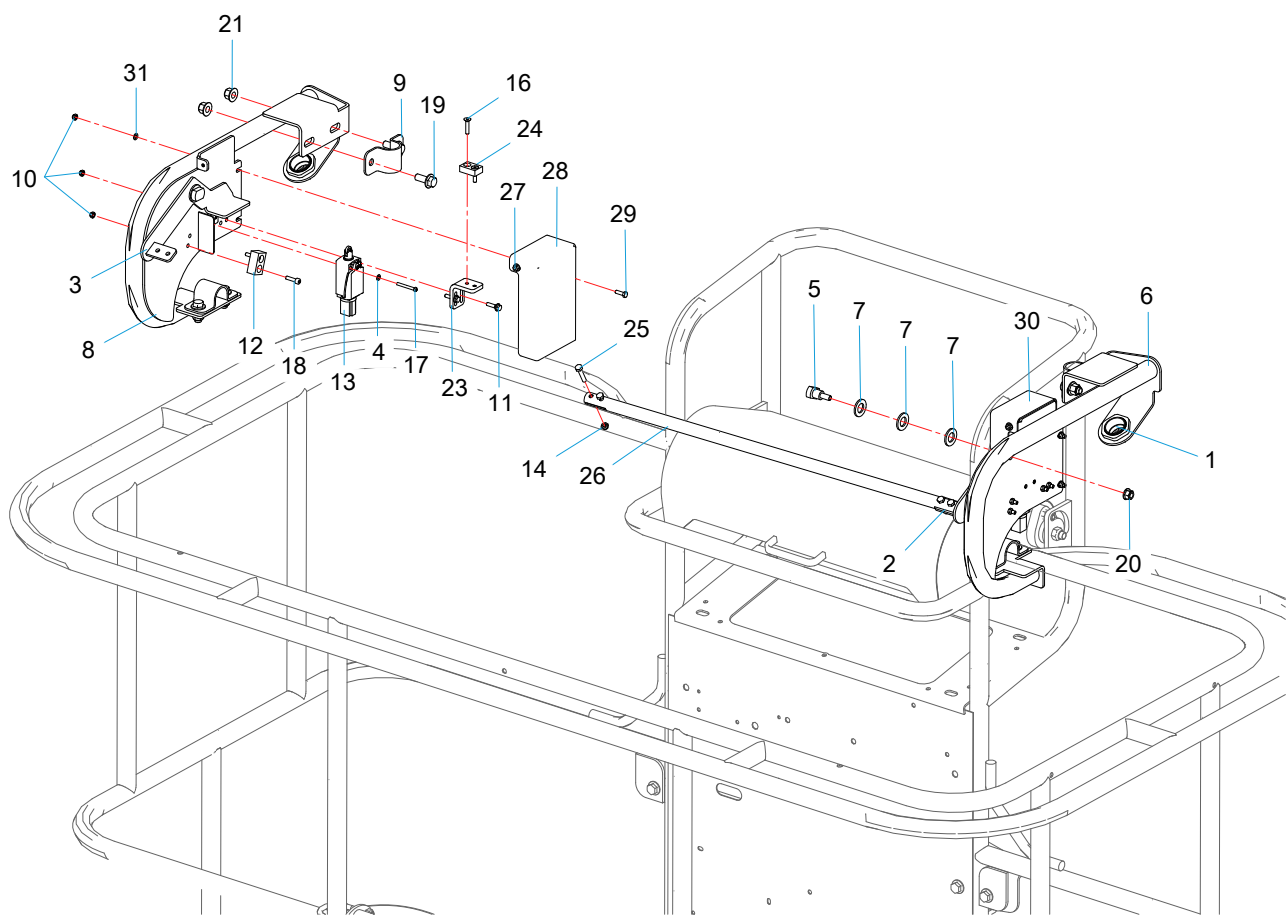
10.3 SECONDARY GUARDING INSTALLATION OPTIONS

10.3.1 SECONDARY GUARDING INSTALLATION



No.	Part No.	Qty.	Description
1	103007063029		Beacon light option
1-1	203050003065	1	Beacon light (Blue)
1-2	203050003058	1	Light, warning (strobe)
2	215040000032	8	Washer 5-A2 GB/T 97.1
3	114015013220	1	Plate, bended (L)
4	215040000031	4	Washer 4-A2 GB/T 97.1
5	114015013217	2	Bolt
6	215030000003	8	Nut M5-A2-70 GB/T 6170
7	215040000123	6	Washer 14-100HV-ZnD GB/T 95
8	114015013221	1	Plate, bended (R)
9	105070043032	1	bracket
10	105029043013	4	Plate
11	215010000256	4	Bolt M5×20-A2-70 GB/T 5789
12	103010013495	2	Pad
13	203060003031	2	Switch, travel(Schneider)
14	215030000025	4	Nut M6-8-A2-70 GB/T 889.1
15	105070043030	1	bracket
16	215020000321	4	Screw M5×25-A2-70 GB/T 70.3
17	215020000212	4	Screw M4×35-A2-70 GB/T 818
18	215020000007	4	Screw M5×16-A2-70 GB/T 70.1
19	215010000238	8	Bolt M10×25-8.8-ZnD GB/T 5789
20	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
21	215030000109	8	Nut M10-8-ZnD GB/T 6183.1
22	105078063081	1	Harness, anti-pinch device
23	105070043028	2	Plate, folded
24	209990003011	2	Magnet
25	215010000053	4	Bolt M6×30-A2-70 GB/T 5783
26	105070043055	1	Rod, round

10.3.2 INST, OPERATOR PROTECTIVE DEVICE (HTV)



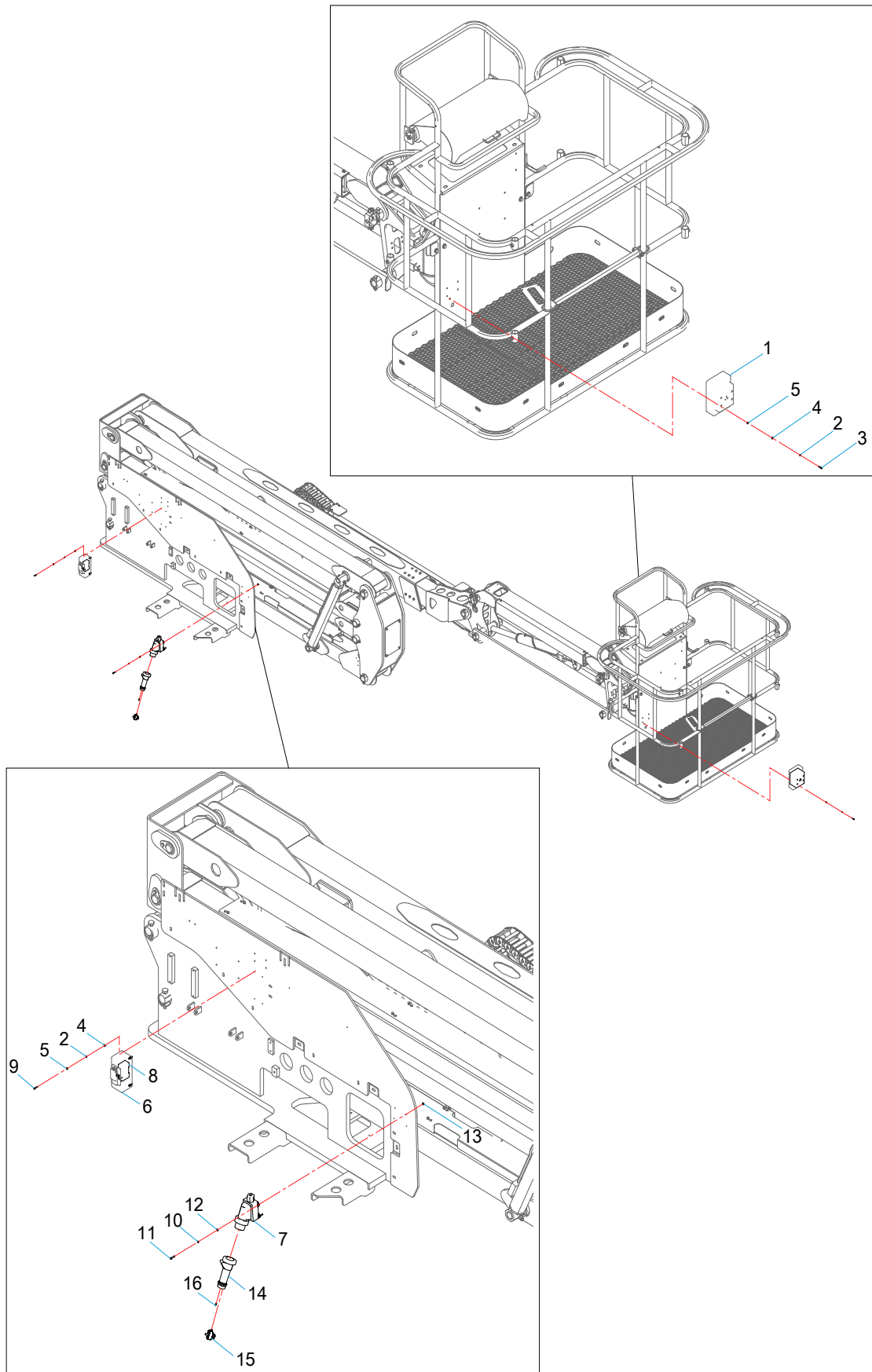
No.	Part No.	Qty.	Description
	105070043063		INST, operator protective device
1	103007063029	2	Beacon light option
1-1	203050003058	1	Light, warning (strobe)(Amber)
1-2	203050003065	1	Beacon light (Blue)(Blue)
2	114015013248	1	Plate, bending right
3	114015013250	1	Plate, bending left
4	215040000031	4	Washer 4-A2 GB/T 97.1
5	114015013217	2	Bolt
6	114015040008	1	Bracket
7	215040000123	6	Washer 14-100HV-ZnD GB/T 95
8	114015040009	1	Bracket
9	114015040004	4	Plate
10	215030000091	12	Nut M5-A2-70 GB/T 6184
11	215010000256	4	Bolt M5×20-A2-70 GB/T 5789
12	103010013495	2	Pad
13	203060003031	2	Switch, travel(Schneider)
14	215030000025	4	Nut M6-8-A2-70 GB/T 889.1
15	105078063082	1	Anti-pinch Electrical schematic(See details)
16	215020000321	4	Screw M5×25-A2-70 GB/T 70.3
17	215020000212	4	Screw M4×35-A2-70 GB/T 818
18	215020000008	4	Screw M5×20-A2-70 GB/T 70.1
19	215010000238	8	Bolt M10×25-8.8-ZnD GB/T 5789
20	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
21	215030000109	8	Nut M10-8-ZnD GB/T 6183.1
22	105078063081	1	Harness, anti-pinch device(See details)
23	105070043028	2	Plate, folded
24	209990003011	2	Magnet
25	215010000053	4	Bolt M6×30-A2-70 GB/T 5783
26	105070043055	1	Rod, round
27	215010000353	2	Bolt M5×10-A2-70 GB/T 5789
28	114015040011	1	Cover
29	215010000042	4	Bolt M5×16-A2-70 GB/T 5783
30	114015040007	1	Cover
31	215040000032	4	Washer 5-A2 GB/T 97.1

10.4 AC POWER INSTALLATION(CONTINUOUS ROTATION- TURNTABLE LENGTH= 2.328 M)

10.4.1 AC POWER INSTALLATION

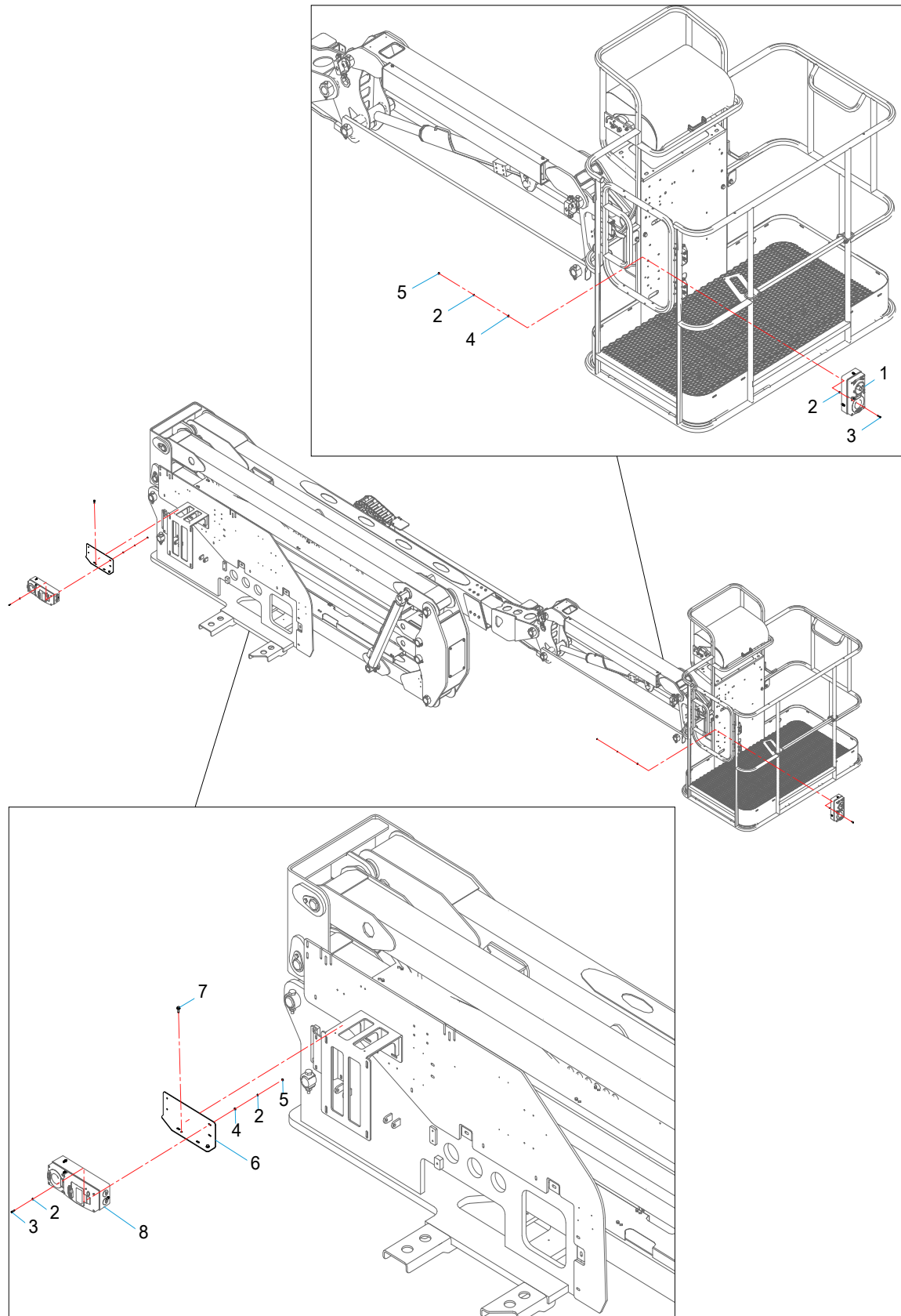
No.	Part No.	Qty.	Description
1	104030060188	1	ELEC harness DIAG, AC supply (Australia)
2	203230003395	1	Drag chain cable
3	104030060189	1	OPT, INST (ELEC, AC power)
4	103016060011	1	OPT, ELEC schematic (AC supply)
5	203230000038	1	Cable, drag chain
3-1	104030060089	1	ASSY, AC supply (mains)(≠ Australia)
3-2	104030060190	1	INST, AC supply (mains)(= Australia)

10.4.2 AC POWER ELECTRICAL COMPONENTS INSTALLATION (PN.104030060089)



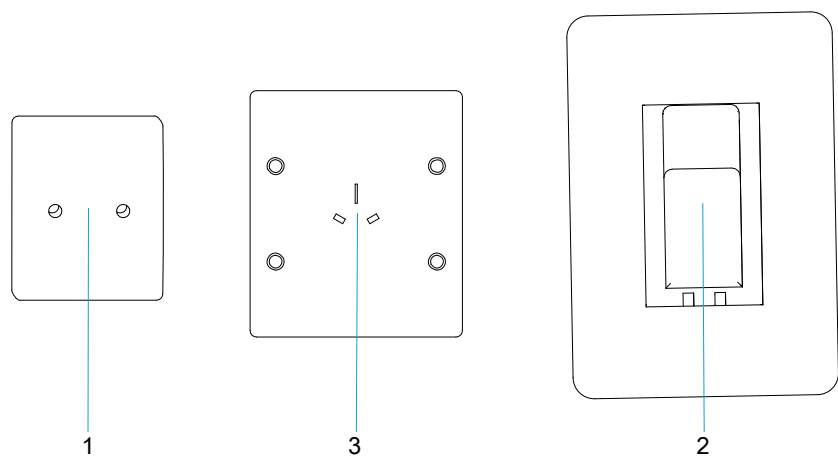
No.	Part No.	Qty.	Description
1	103011063061	1	Socket, waterproof Options
2	215040000002	12	Washer 4-A2-70 GB/T 93
3	215020000106	4	Screw M4×16-A2-70 GB/T 818
4	215040000031	8	Washer 4-A2 GB/T 97.1
5	215030000002	8	Nut M4-8-A2-70 GB/T 6170
6	203090000002	1	RCBO waterproof box
7	203080003079	1	3P16A IP67 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	103013060023	1	OPT, cable plug (AC power)
16	203080000415	3	Terminal

10.4.3 AC POWER ELECTRICAL COMPONENTS INSTALLATION (PN.104030060190)



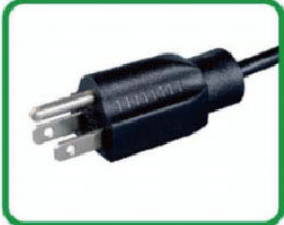
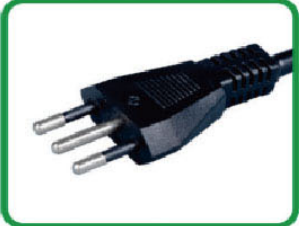
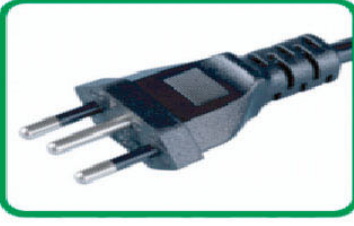
No.	Part No.	Qty.	Description
1	203080004318	1	Socket, waterproof (with knob switch)
2	215040000002	16	Washer 4-A2-70 GB/T 93
3	215020000106	8	Screw M4×16-A2-70 GB/T 818
4	215040000031	8	Washer 4-A2 GB/T 97.1
5	215030000002	8	Nut M4-8-A2-70 GB/T 6170
6	104021023087	1	Frame, mounting (AC power)
7	215010000231	2	Bolt M6×20-8.8-ZnD GB/T 5789
8	203070003103	1	ASSY, protector (leakage)

10.4.4 SOCKET, WATERPROOF OPTIONS



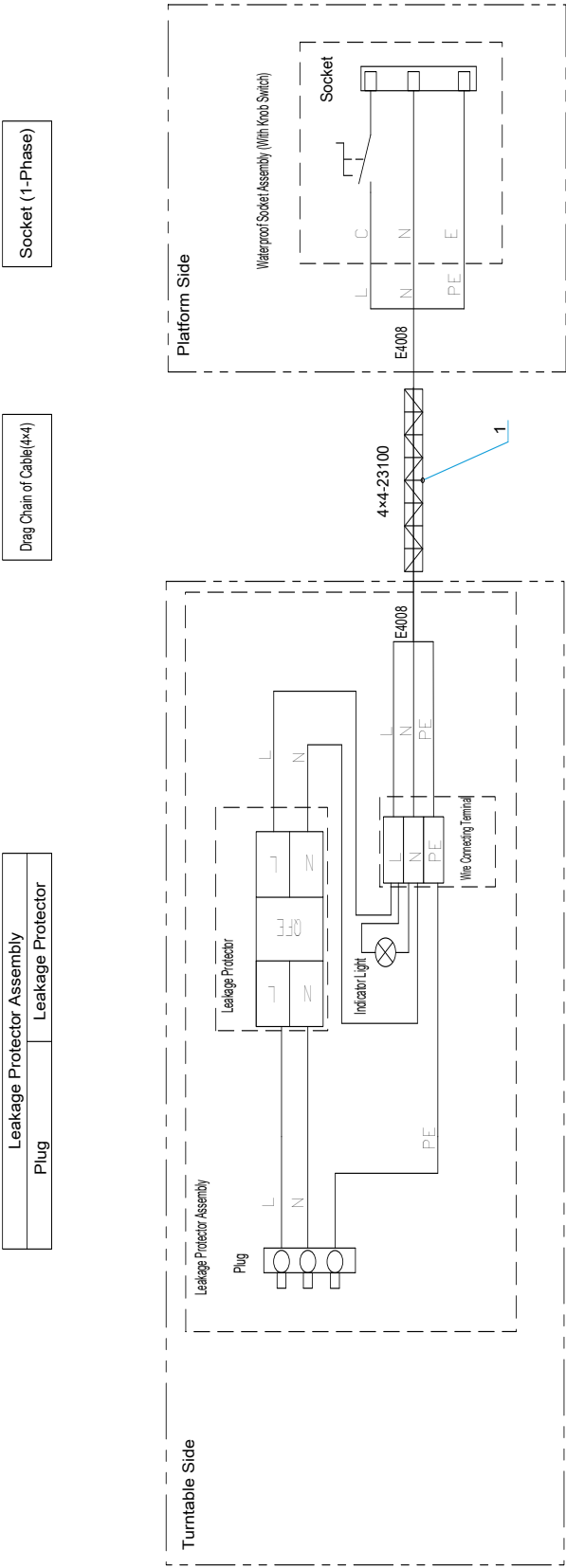
No.	Part No.	Qty.	Description
1	203080000278	1	Waterproof socket(EN)(Type E+F, European and Brazilian specs)
2	203080000472	1	American standard socket assembly(Type B, Americag and South America specs)
3	203080000249	1	Waterproof socket

10.4.5 AC POWER PLUG CORD OPTIONS

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

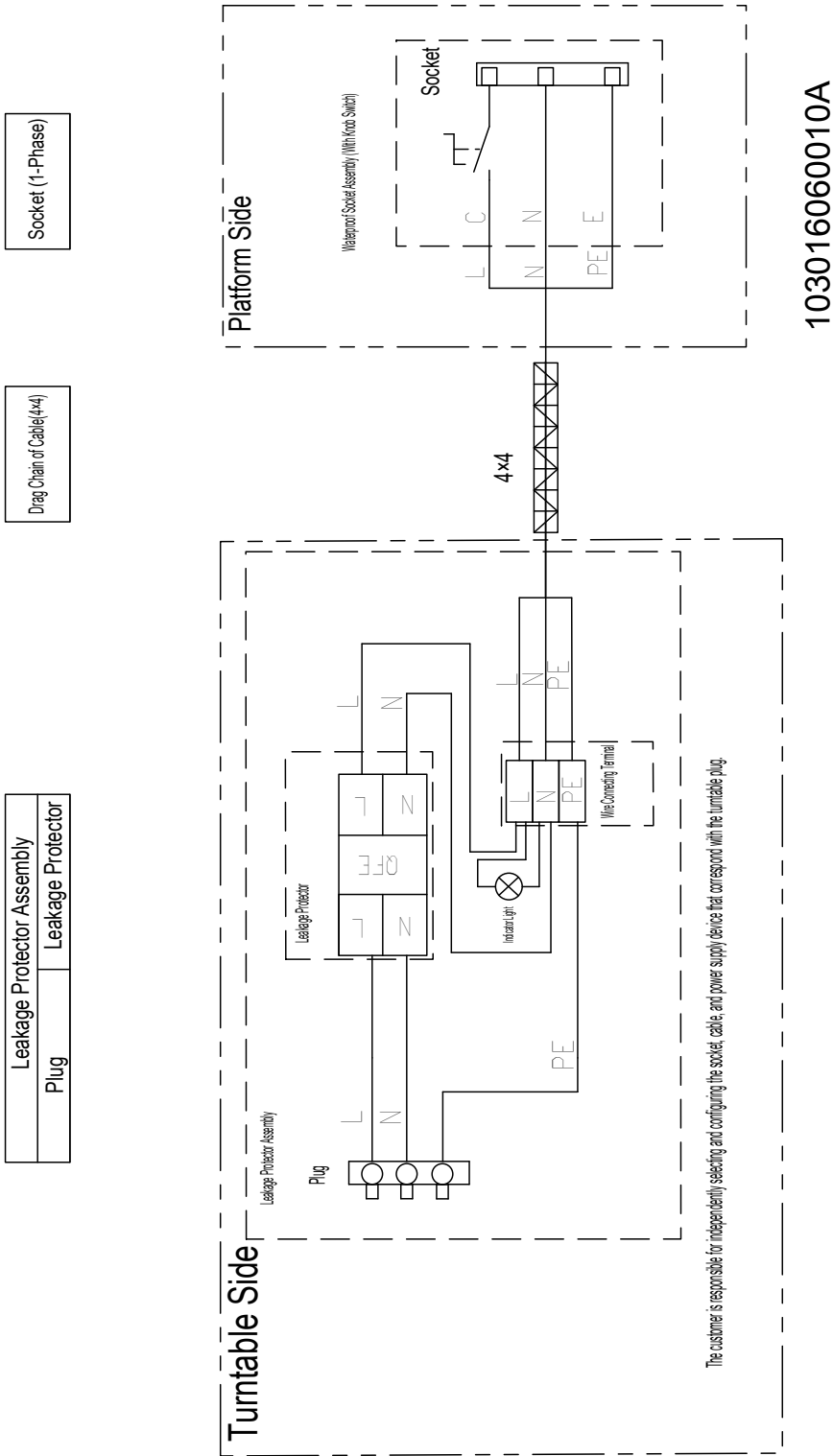
No.	Part No.	Qty.	Description
1	203080003963	1	Cable, plug (AC power)(Type J, Switzerland)
2	203080003960	1	Cable, plug (AC power)(Type B, Mexico, the United States, Thailand, Taiwan, and the Philippines)
3	203080003959	1	Cable, plug (AC power)(Type G, Hong Kong, Macau, Malaysia and the Middle East)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

10.4.6 ELECTRICAL SCHEMATIC DIAGRAM OF AC POWER (AUSTRALIA)

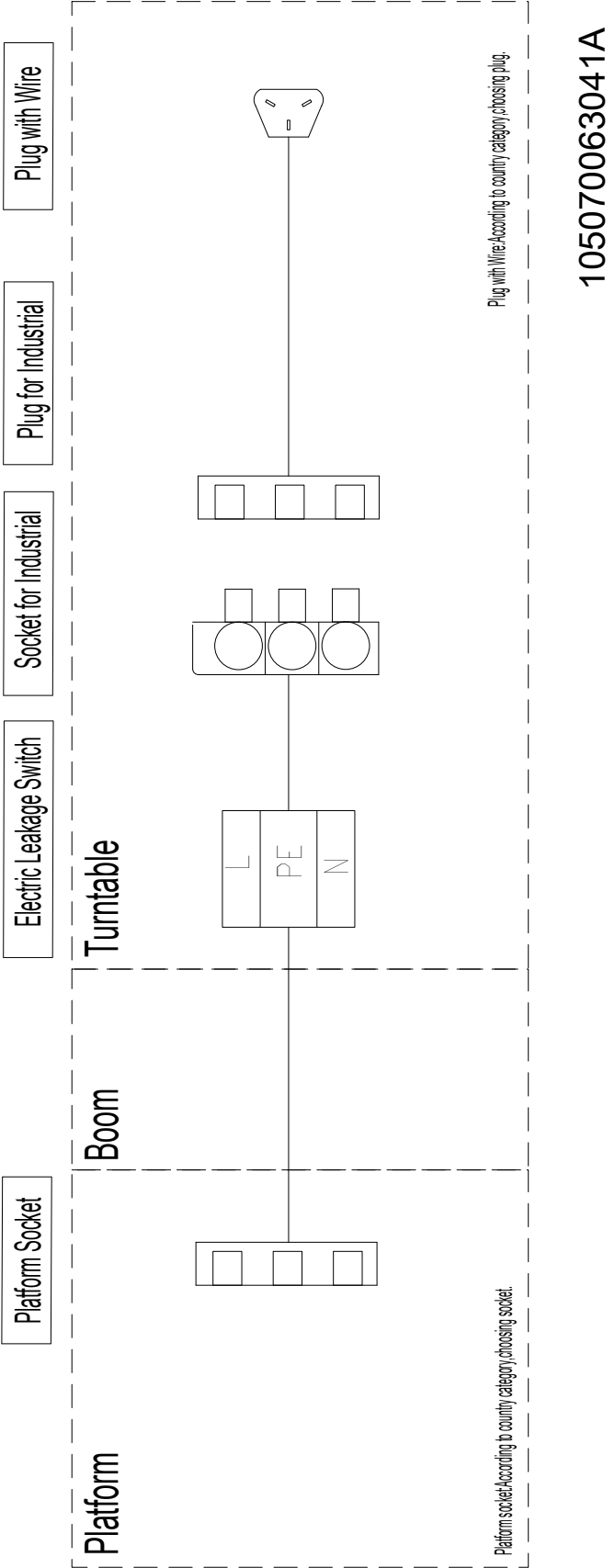


No.	Part No.	Qty.	Description
1	203230003675	1	Cable, drag chain

10.4.7 ELECTRICAL SCHEMATIC DIAGRAM OF AC POWER



10.4.8 ELECTRICAL SCHEMATIC DIAGRAM OF AC POWER
(PN.105070063041)

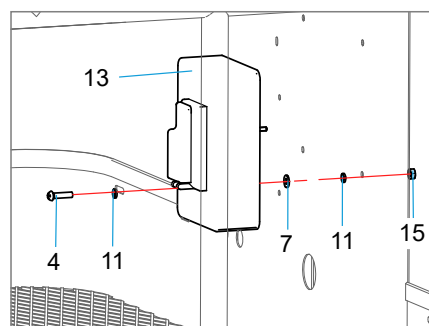
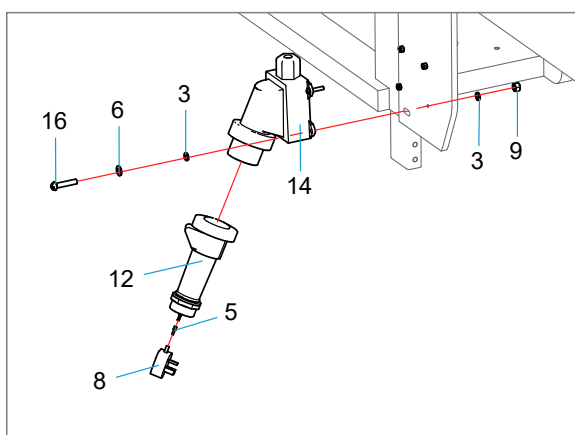
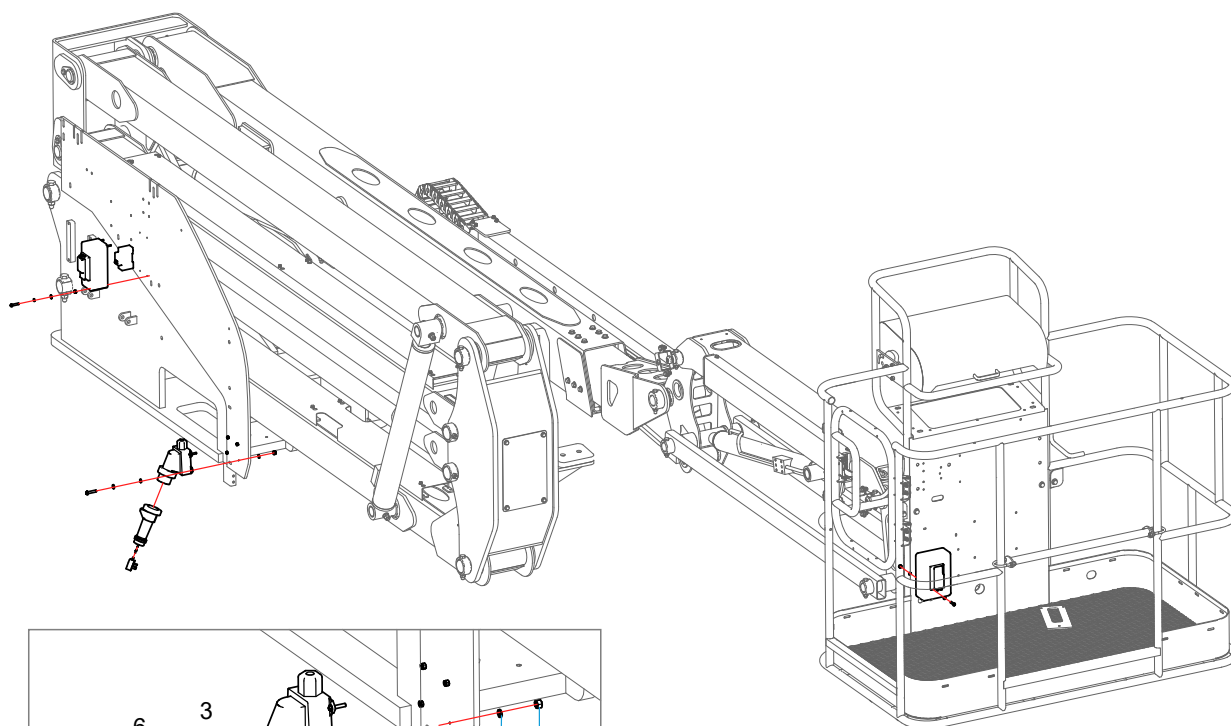
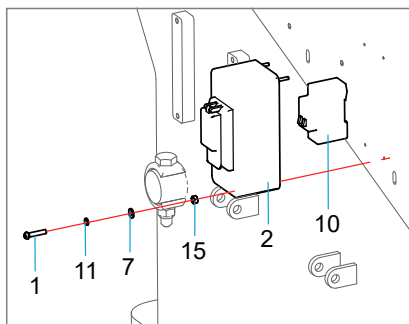


10.5 AC POWER INSTALLATION(CONTINUOUS ROTATION- TURNTABLE LENGTH= 1.961 M & NON-CONTINUOUS ROTATION)

10.5.1 AC POWER INSTALLATION

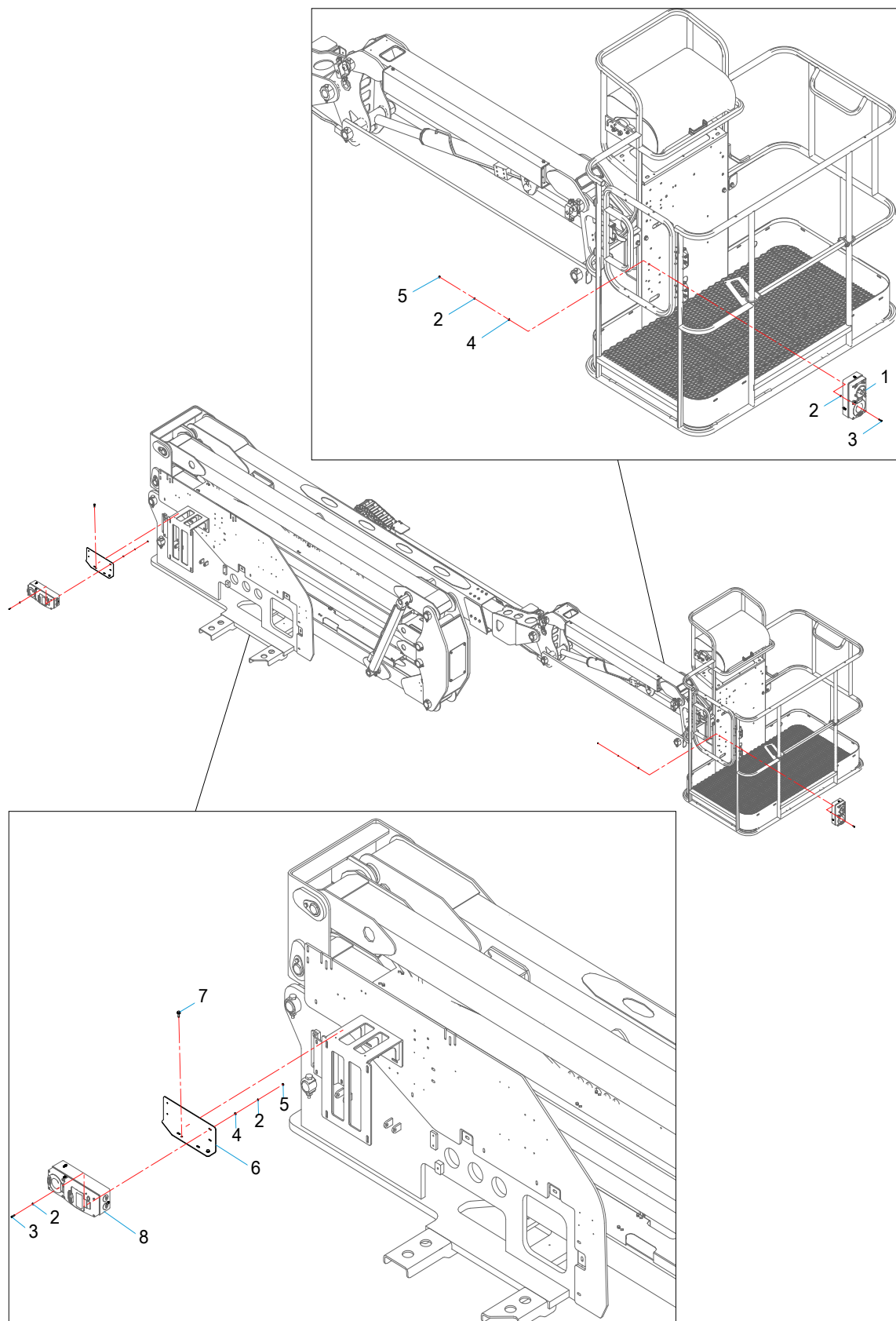
No.	Part No.	Qty.	Description
1	105070063041		AC mains electrical schematic(Not shown, see details)
2	203230003416	1	Drag chain cable
3	104030060026	1	AC mains electrical installation(See details)
4	203230003389	1	Drag chain cable

10.5.2 AC POWER ELECTRICAL COMPONENTS INSTALLATION (PN.104030060026)



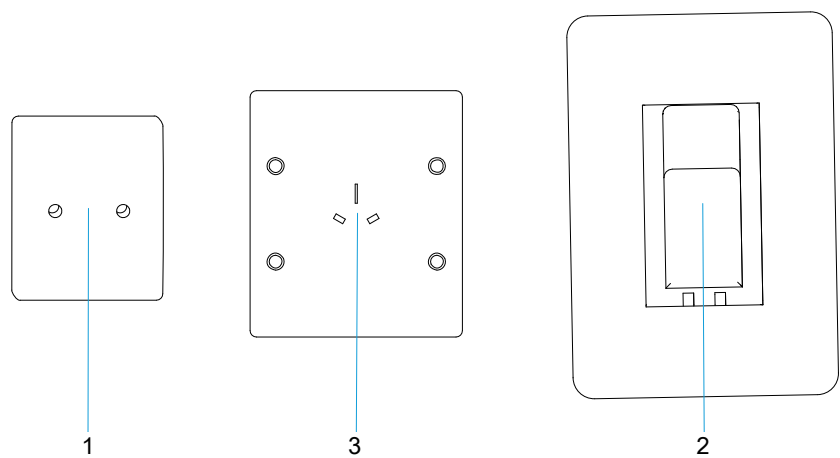
No.	Part No.	Qty.	Description
1	215020000107	4	Screw M4×20-A2-70 GB/T 818
2	203090000002	1	RCBO waterproof box
3	215040000003	8	Washer 5-A2-70 GB/T 93
4	215020000106	4	Screw M4×16-A2-70 GB/T 818
5	203080000415	3	Terminal
6	215040000032	4	Washer 5-A2 GB/T 97.1
7	215040000031	8	Washer 4-A2 GB/T 97.1
8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

10.5.3 AC POWER ELECTRICAL COMPONENTS INSTALLATION (PN.104030060270)



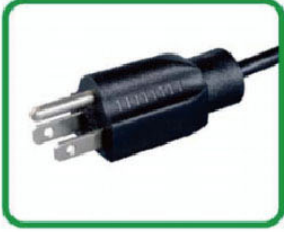
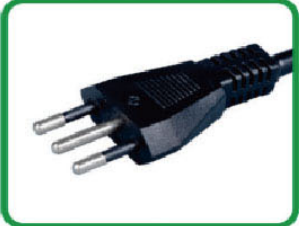
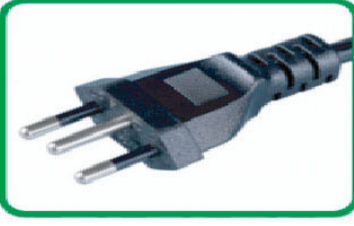
No.	Part No.	Qty.	Description
1	203080004318	1	Socket, waterproof (with knob switch)
2	215040000002	16	Washer 4-A2-70 GB/T 93
3	215020000106	8	Screw M4×16-A2-70 GB/T 818
4	215040000031	8	Washer 4-A2 GB/T 97.1
5	215030000002	8	Nut M4-8-A2-70 GB/T 6170
6	104021023087	1	Frame, mounting (AC power)
7	215010000231	2	Bolt M6×20-8.8-ZnD GB/T 5789
8	203070003103	1	ASSY, protector (leakage)

10.5.4 SOCKET, WATERPROOF OPTIONS



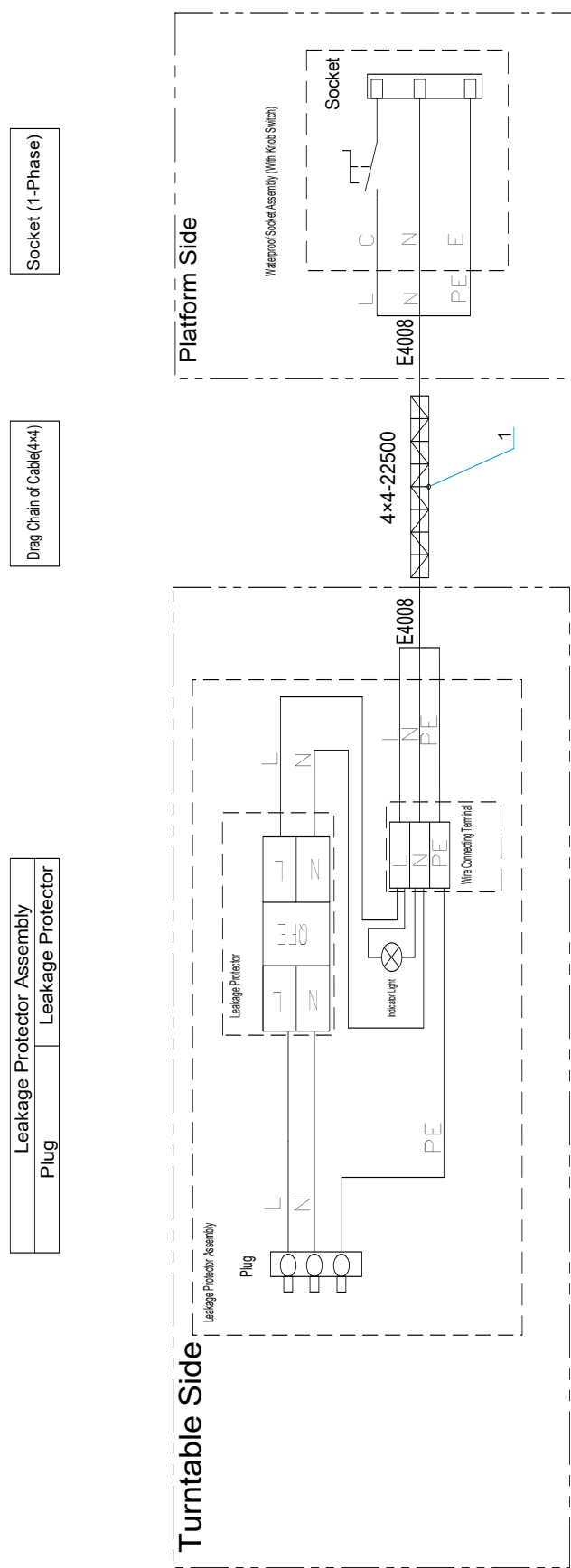
No.	Part No.	Qty.	Description
1	203080000278	1	Waterproof socket(EN)(Type E+F, European and Brazilian specs)
2	203080000472	1	American standard socket assembly(Type B, Americag and South America specs)
3	203080000249	1	Waterproof socket

10.5.5 POWER PLUG CORD OPTIONS

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

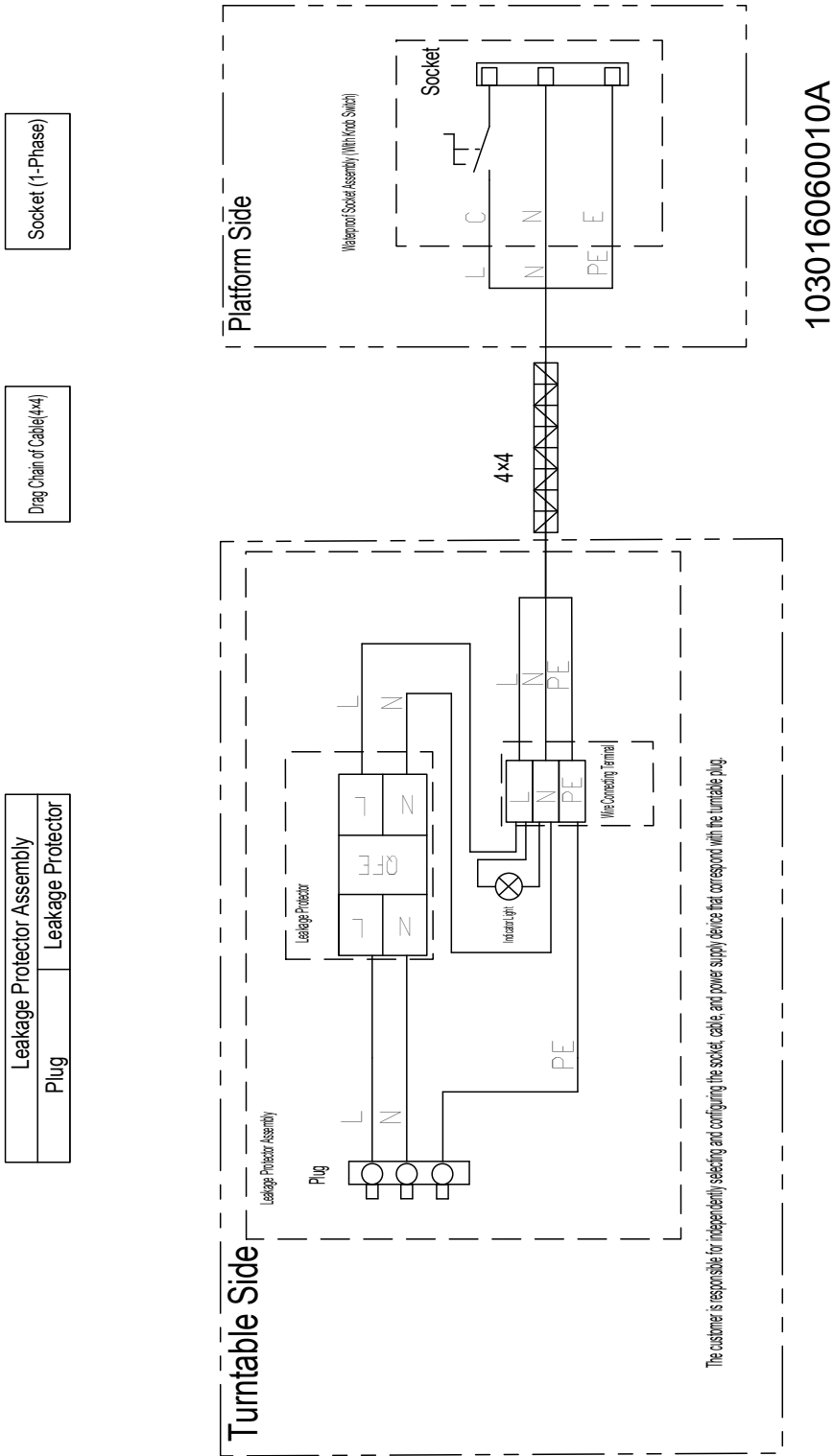
No.	Part No.	Qty.	Description
1	203080003964	1	Cable, plug (AC power)(Type L, Chile and Italy)
2	203080004037	1	Cable, plug (AC power)(Type I, Argentina)
3	203080003959	1	Cable, plug (AC power)(Type G, Hong Kong, Macau, Malaysia and the Middle East)
4	203080003961	1	Cable, plug (AC power)(Type M, South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

10.5.6 ELECTRICAL SCHEMATIC DIAGRAM OF AC POWER (AUSTRALIA)

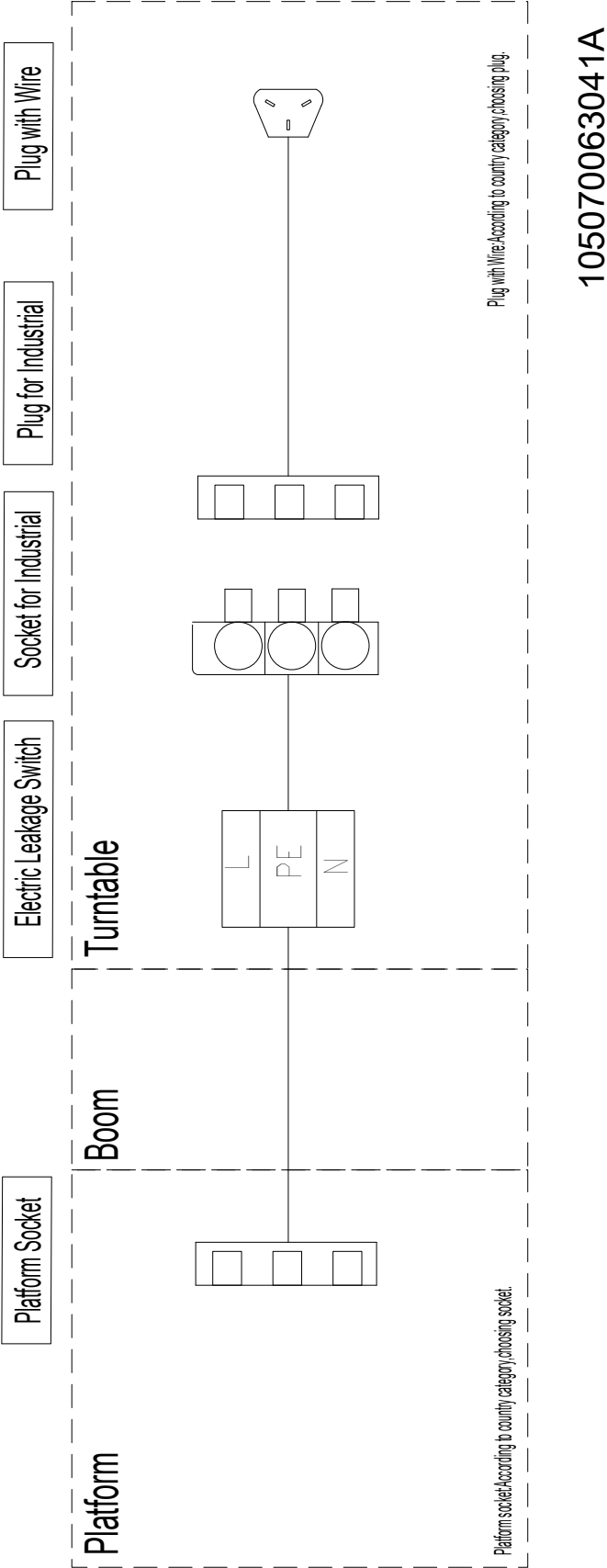


No.	Part No.	Qty.	Description
1	203230003717	1	Cable, drag chain

10.5.7 ELECTRICAL SCHEMATIC DIAGRAM OF AC POWER



10.5.8 ELECTRICAL SCHEMATIC DIAGRAM OF AC POWER
(PN.105070063041)



10.6 OIL OPTIONS(CONTINUOUS ROTATION-TURNTABLE LENGTH= 2.328 M)

10.6.1 ENGINE OIL OPTIONS

No.	Part No.	Qty.	Description
1	305110000002	1	Engine oil, CJ-4(15W-40)
2	305110000008	1	Engine oil, CJ-4(5W-40)

10.6.2 DIESEL OIL OPTIONS

No.	Part No.	Qty.	Description
1	305020000001	1	Diesel(0#Diesel)
2	305020000003	1	Diesel, -35#(-35#Diesel)

10.6.3 ANTIFREEZE SOLUTION OPTIONS

No.	Part No.	Qty.	Description
1	201040003064	1	Antifreeze, -35°C

10.6.4 HYDRAULIC OIL OPTIONS

No.	Part No.	Qty.	Description
1	305070000001	1	Hydraulic oil(0°C~40 °C)
2	305070000002	1	Hydraulic oil(> 40 °C)
3	305070000007	1	Hydraulic oil(< -22°C)
4	305070000003	1	Hydraulic oil(-15°C~25 °C)
5	305070000006	1	Hydraulic oil(-22°C~25 °C)

10.6.5 GEAR OIL OPTIONS

No.	Part No.	Qty.	Description
1	305040000004	1	Oil, gear (fully synthetic, heavy duty)(Above -35°C)
2	305040000003	1	Oil, gear (Mobil)(Above -25°C)

10.7 OIL OPTIONS(CONTINUOUS ROTATION-TURNTABLE LENGTH= 1.961 M & NON-CONTINUOUS ROTATION)

10.7.1 ANTIFREEZE OPTIONS

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

10.7.2 ENGINE OIL OPTIONS

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

10.7.3 DIESEL OIL OPTIONS

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

10.7.4 HYDRAULIC OIL OPTIONS

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

10.7.5 GEAR OIL OPTIONS

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

10.8 ON-BOARD SPARE PARTS OPTIONS(CONTINUOUS ROTATION-TURNTABLE LENGTH= 2.328 M)

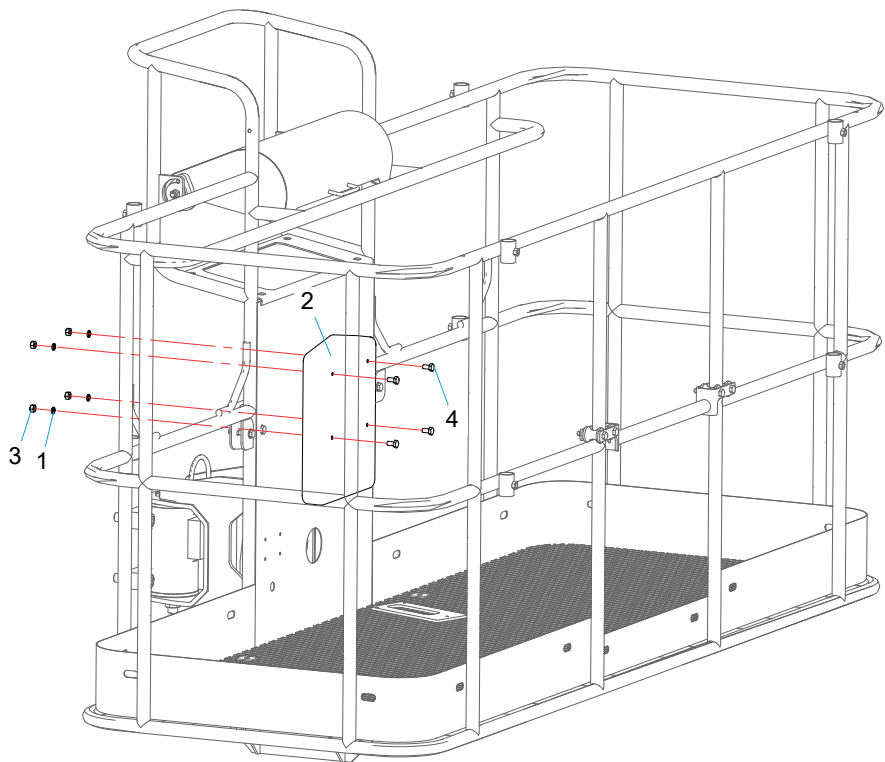
10.8.1 ON-BOARD SPARE PARTS (KUBOTA V2403-CR-TIE4B-SBM-2 | 43.2KW (58 HP) TIER 4 FINAL DIESEL ENGINE)

No.	Part No.	Qty.	Description
1	207010000004	10	Grease nipple 90° M10×1 GB/T 1153
2	207040000029	10	O-ring 10.0×2.0 GB1235
3	207040000048	10	O-ring 14×1.78 AS015
4	203060000072	2	Handle holster
5	202080000010	1	Return filter element
6	216070003005	1	Box, service parts stock
7	203070000005	5	Plug-in fuse
8	207040000024	10	O-ring
9	203070000018	10	Plug-in fuse
10	105084123023	1	Spare parts , engine (Kubota V2403 , T4f)
11	203070000019	5	Plug-in fuse
12	213010000116	1	Fitting
13	207040000046	10	O-ring 120.32×2.62 AS158
14	213060000009	2	Plug
15	207990000003	10	O-ring(ANSI)
16	213060000008	2	Plug
17	213060000003	2	Plug
18	213010000010	1	Coupler
19	213060000001	2	Plug
20	207990000001	10	O-ring(ANSI)
21	202080000004	2	Oil suction filter
22	207010000003	10	Grease nipple M10×1 GB/T 1152
23	207040000047	10	O-ring
24	207040000045	10	O-ring 10.77×2.62 AS568
25	207990000002	10	O-ring(ANSI)

10.8.2 ON-BOARD SPARE PARTS (KUBOTA V2403-CE4 36KW DIESEL ENGINE)

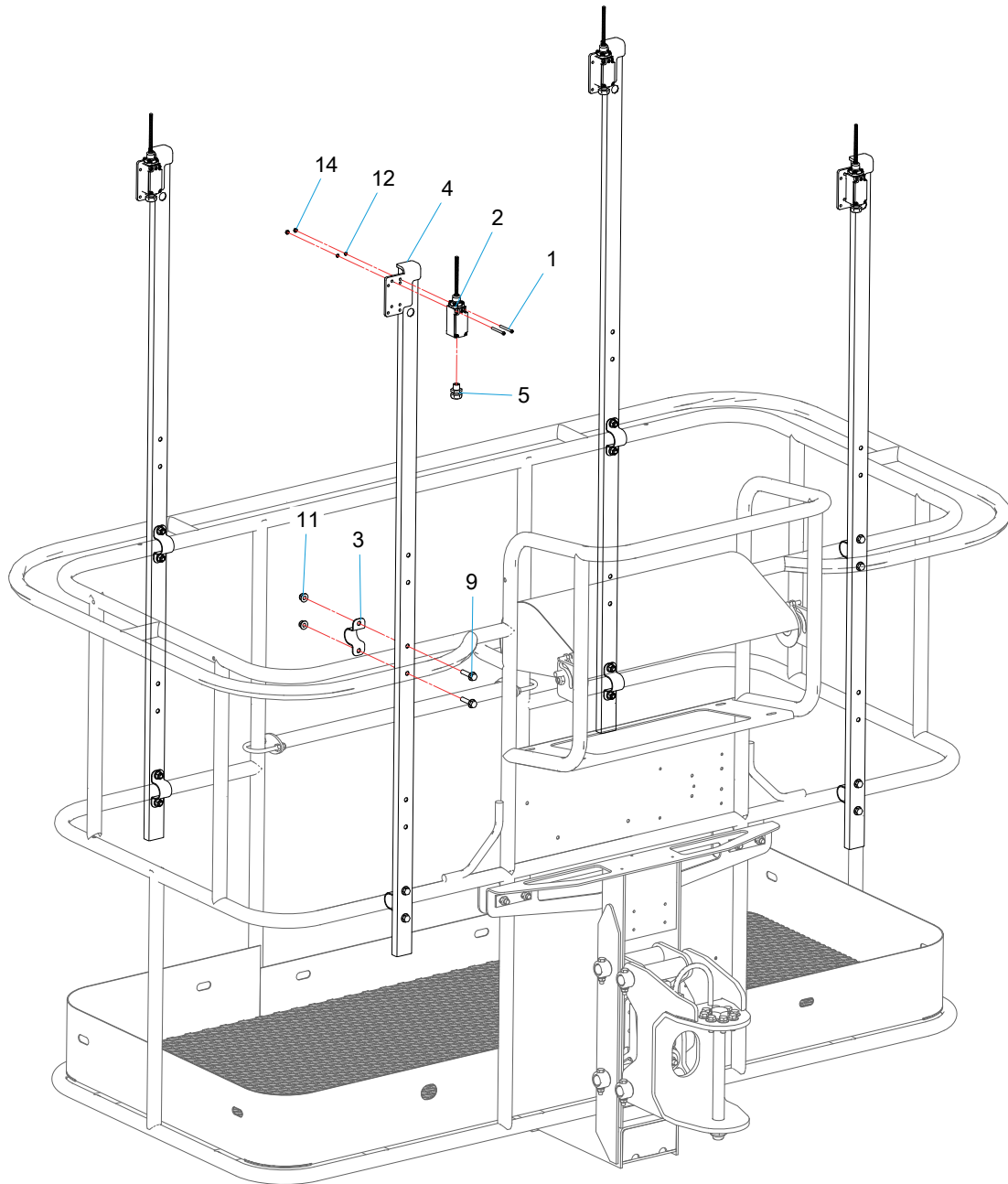
No.	Part No.	Qty.	Description
1	207990000003	10	O-ring(ANSI)
2	213060000008	2	Plug
3	203070000005	5	Plug-in fuse
4	207010000004	1	Grease nipple 90° M10×1 GB/T 1153
5	213060000003	2	Plug
6	2070400000046	10	O-ring 120.32×2.62 AS158
7	2070400000029	10	O-ring 10.0×2.0 GB1235
8	2070400000045	10	O-ring 10.77×2.62 AS568
9	213060000009	2	Plug
10	2030700000019	5	Plug-in fuse
11	105084123022	1	Spare parts , engine (Kubota V2403 , China IV)
12	216070003005	1	Box, service parts stock
13	2030700000018	10	Plug-in fuse
14	2070400000024	10	O-ring
15	2070400000047	10	O-ring
16	2020800000004	2	Oil suction filter
17	2070400000048	10	O-ring 14×1.78 AS015
18	2130600000001	2	Plug
19	2130100000010	1	Coupler
20	21301000000116	1	Fitting
21	2079900000001	10	O-ring(ANSI)
22	20208000000010	1	Return filter element
23	2079900000002	10	O-ring(ANSI)
24	2030600000072	2	Handle holster
25	2070100000003	10	Grease nipple M10×1 GB/T 1152

10.8.3 MANUAL STORAGE CONTAINER INSTALLATION



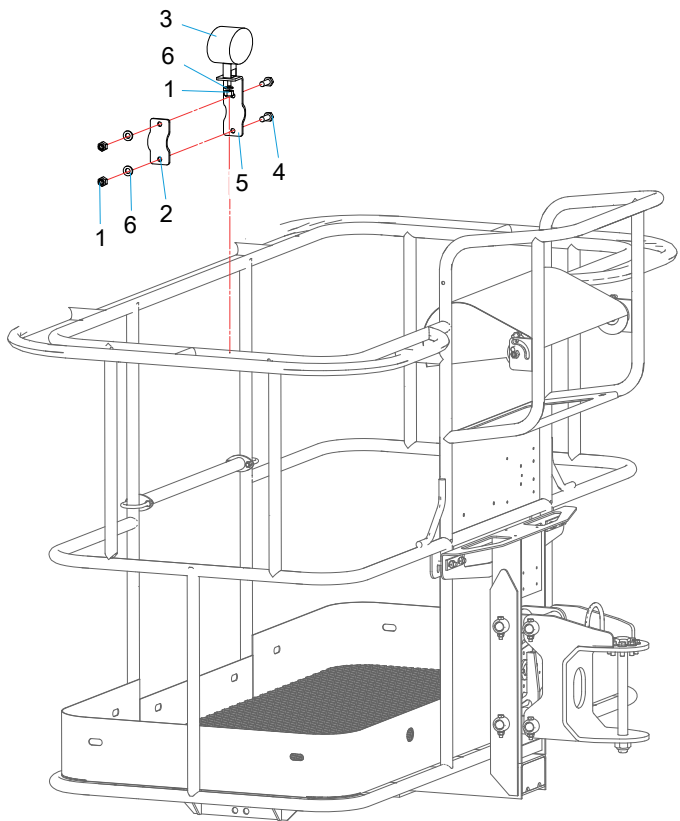
No.	Part No.	Qty.	Description
1	215040000004	4	Washer 6-A2-70 GB/T 93
2	216070000001	1	Manual storage container
3	215030000004	4	Nut M6-A2-70 GB/T 6170
4	215010000049	4	Bolt M6×12-A2-70 GB/T 5783

10.8.4 OVERHEAD PROTECTION INSTALLATION



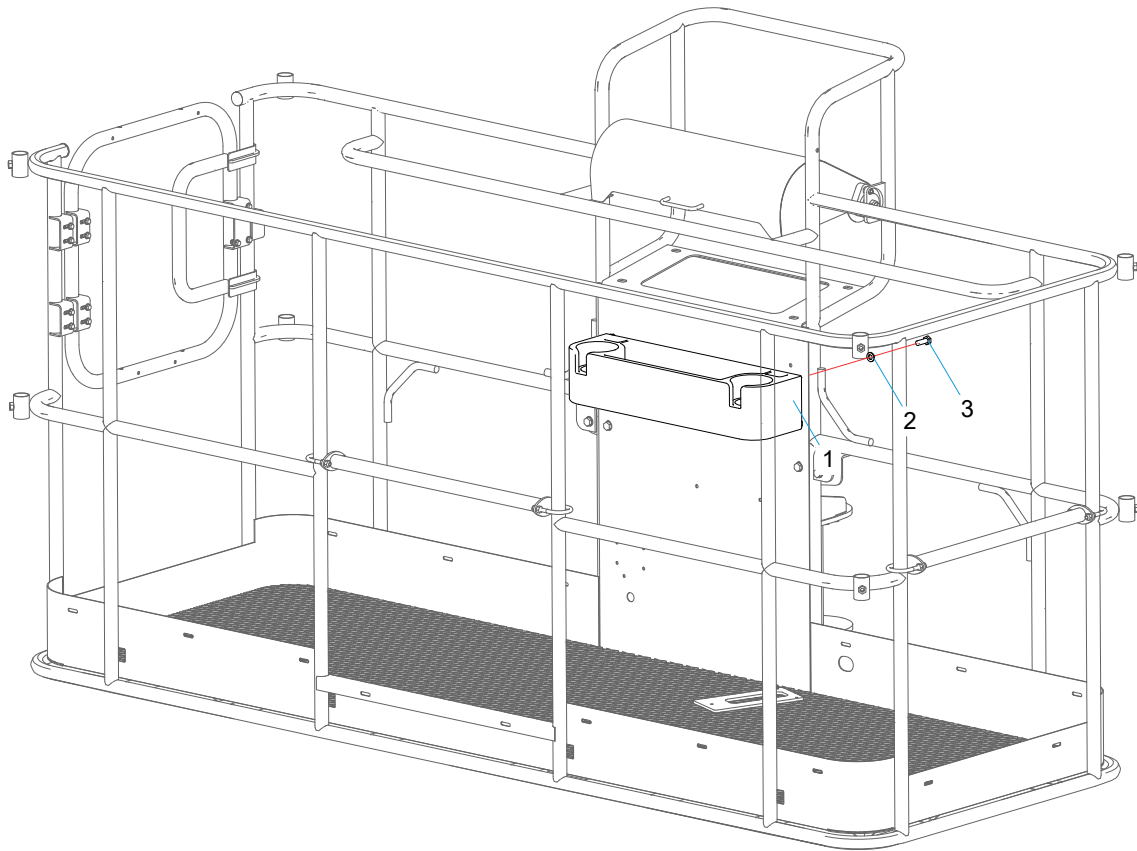
No.	Part No.	Qty.	Description
1	215020000213	8	Screw M4×40-A2-70 GB/T 818
2	203060000056	4	Travel switch
3	103011043003	8	Plate
4	105064043216	4	Height Limit Pole
5	203990000005	4	Nylon waterproof connector
6	203080000021	1	Lock(Not shown)
7	203080000041	2	Female connector(Not shown)
8	203080000016	1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

10.8.5 WORKLIGHT INSTALLATION



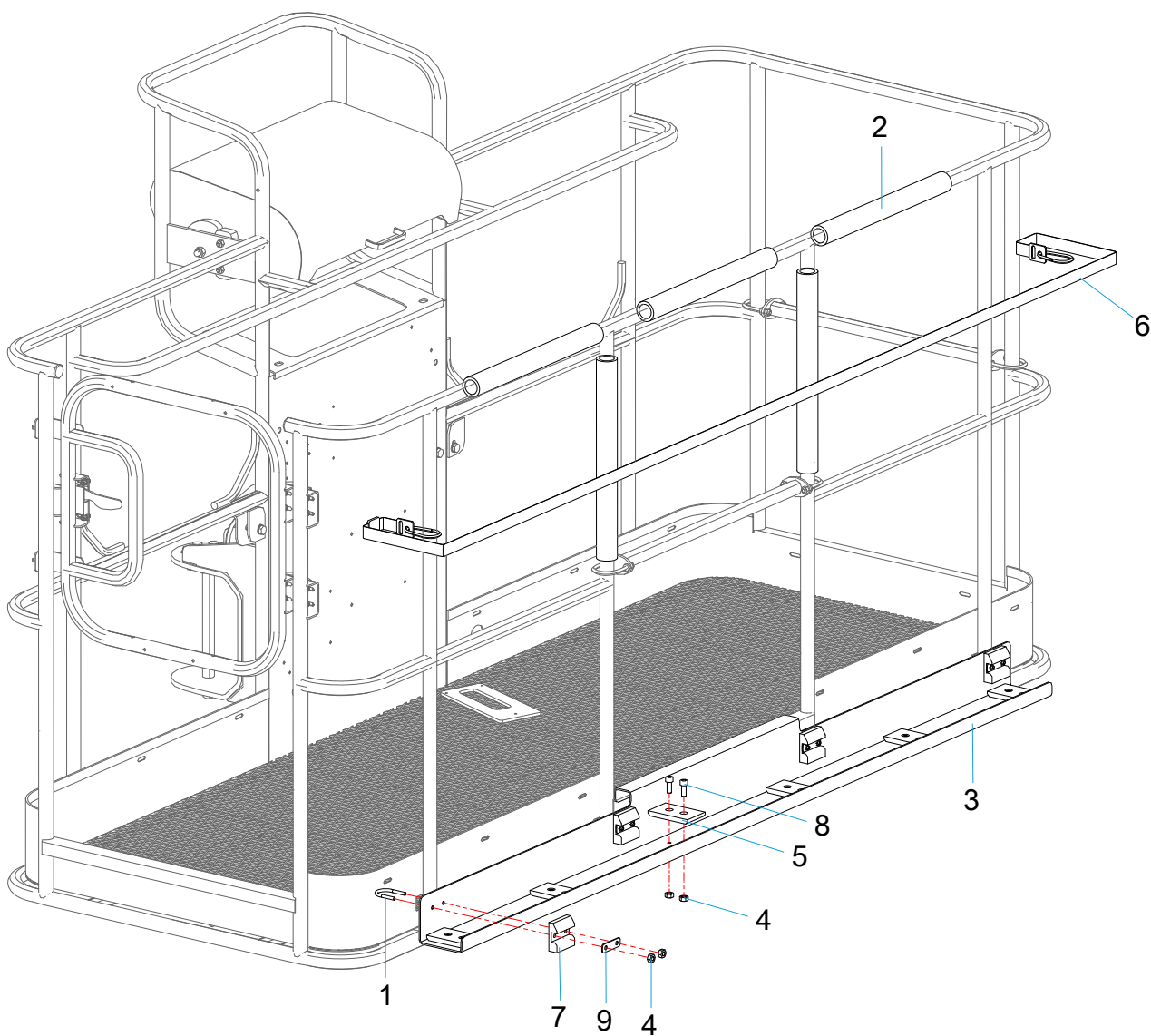
No.	Part No.	Qty.	Description
1	215030000026	3	Nut M8-8-ZnD GB/T889.1
2	105017060067	1	Plate
3	203050000059	1	Lamp,illuminating
4	215010000058	2	Bolt M8×25-8.8-ZnD GB/T 5783
5	105017060066	1	Plate
6	215040000034	3	Washer 8-200HV-ZnD GB/T 97.1
7	203080000104	2	Cable, copper-cored(Not shown)
8	203080000033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

10.8.6 TOOL BOX INSTALLATION



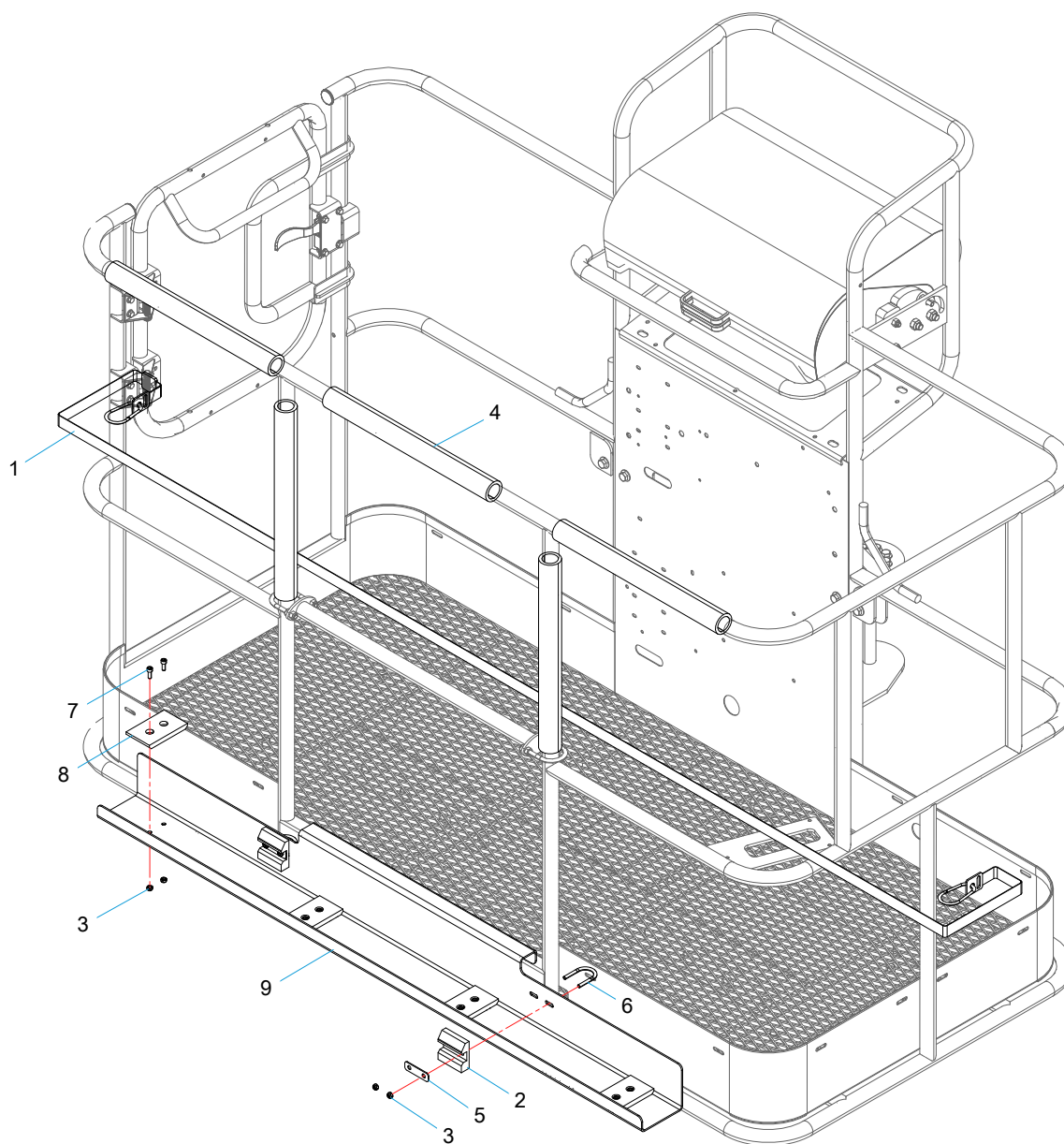
No.	Part No.	Qty.	Description
	105064043064	1	Tool box installation
1	105064043066	1	Tool box
2	215040000035	4	Washer 10-200HV-ZnD GB/T 97.1
3	215010000071	4	Bolt M10×30-8.8-ZnD GB/T 5783

10.8.7 Glass mounting bracket



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

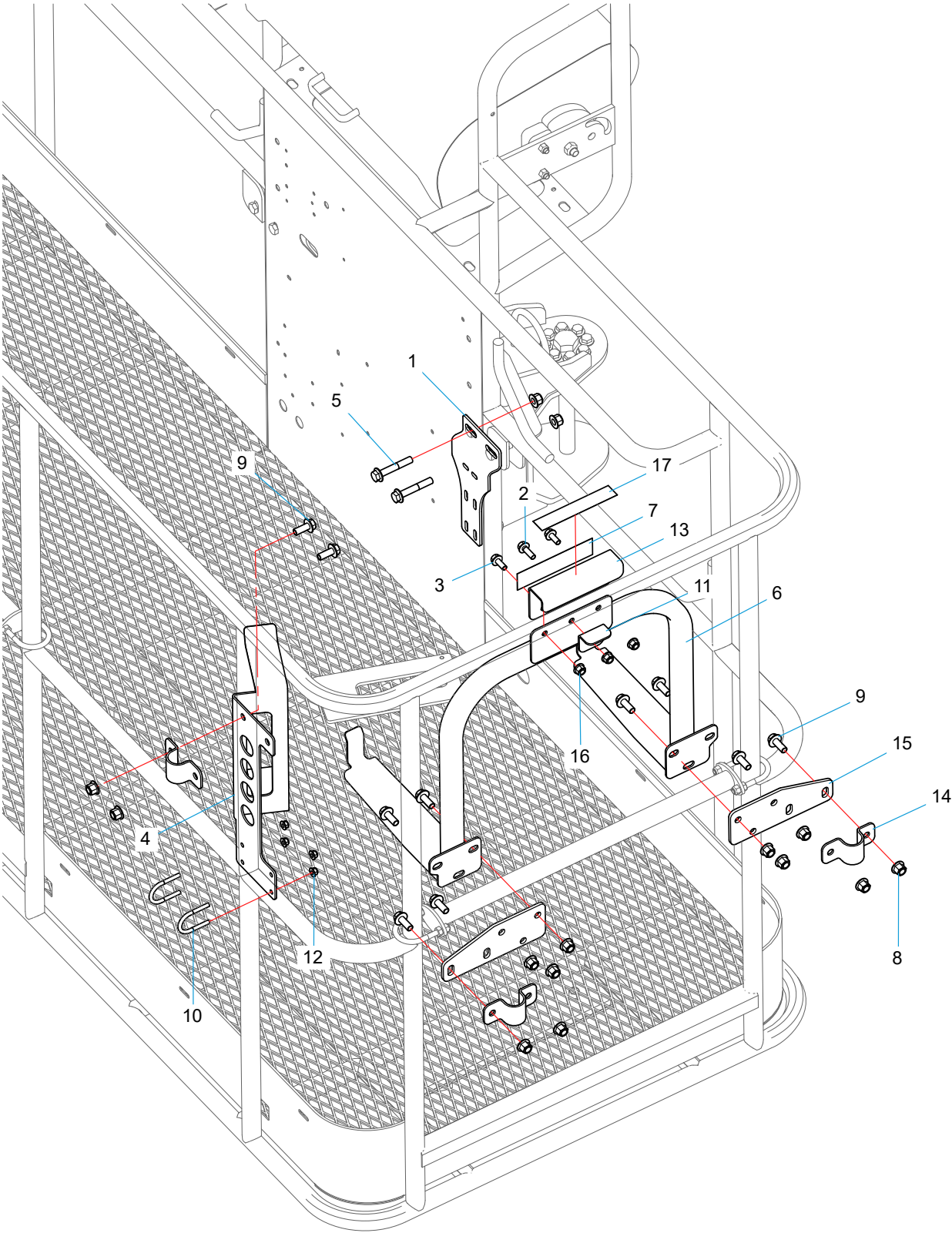
10.8.8 1.83M (6FT) GLASS MOUNTING BRACKET - SWING OPEN DOOR



No.	Part No.	Qty.	Description
	104029170001	1	Cradle, glass panel (1.83m swing gate platform)
1	216020003031	1	Tie
2	105064043136	2	Cushion block
3	215030000025	12	Nut M6-8-A2-70 GB/T 889.1
4	105064190001	5	Rubber tube
5	105064043178	2	Plate
6	105064043020	2	U-bolt
7	215020000011	8	Screw M6×16-A2-70 GB/T 70.1
8	105064043024	4	Cushion block

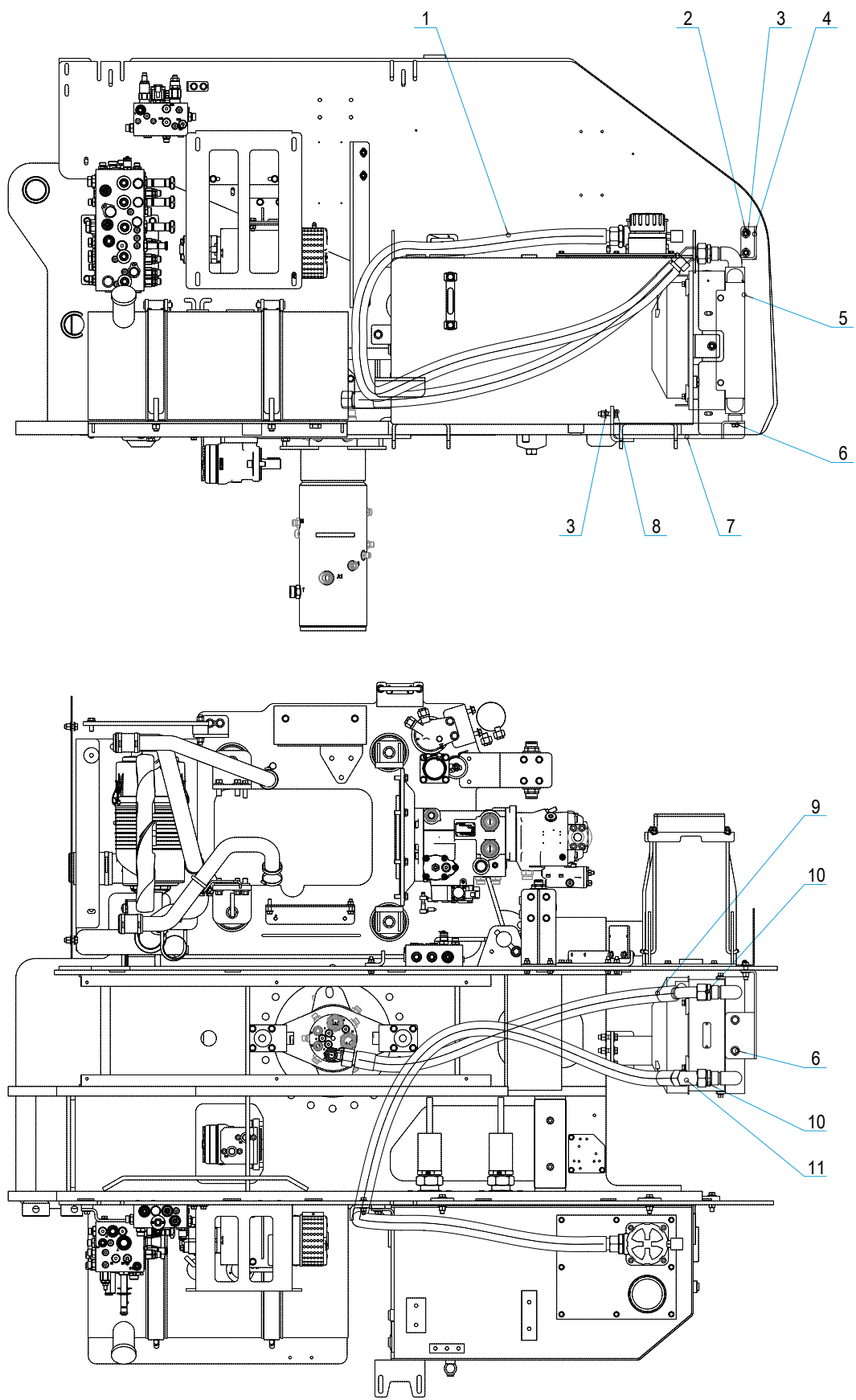
No.	Part No.	Qty.	Description
9	105064043297	1	Plate, mounting

10.8.9 PLATFORM ATTACHMENT INSTALLATION



No.	Part No.	Qty.	Description
	105069170010	1	Platform attachment installation
1	105069170001	1	Fire extinguisher bracket
2	215010000235	1	Bolt M8×25-8.8-ZnD GB/T 5789
3	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
4	105069170002	1	Bracket
5	215010000291	2	Bolt M10×60-8.8-ZnD GB/T 5789
6	105069170007	1	Bracket, welding machine
7	105056103007	1	Installation instructions, welding machine
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 machine

10.8.10 OIL COOLER INSTALLATION PIPING DIAGRAM



No.	Part No.	Qty.	Description
1	202990004063	1	Hose
2	215010000268	2	Bolt M10×35-10.9-DKL GB/T 5789
3	215030000109	5	Nut M10-8-ZnD GB/T 6183.1
4	104030020252	1	Plate, folded
5	202060003007	1	Oil cooler assembly
6	215010000266	6	Bolt M10×20-10.9-DKL GB/T 5789
7	104030020205	1	Bracket
8	215010000269	3	Bolt M10×40-10.9-DKL GB/T 5789
9	213050019047	1	Hose
10	213010000143	2	Coupler
11	213010000140	1	Coupler

10.9 ON-BOARD SPARE PARTS OPTIONS (CONTINUOUS ROTATION-TURNTABLE LENGTH= 1.961 M & NON-CONTINUOUS ROTATION)

10.9.1 ON-BOARD SPARE PARTS (KUBOTA ENGINE, D1105-EF02_CN4)

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

10.9.2 ON-BOARD SPARE PARTS (KUBOTA V2403-CR-TIE4B)

No.	Part No.	Qty.	Description
1	207990000001	10	O-ring(ANSI)
2	213060000009	2	Plug
3	105084123023	1	Spare parts , engine (Kubota V2403 , T4f)
4	207010000003	10	Grease nipple M10×1 GB/T 1152
5	203070000018	10	Plug-in fuse
6	203070000019	5	Plug-in fuse
7	203060000072	2	Handle holster
8	213060000008	2	Plug
9	207040000047	10	O-ring
10	202080000006	1	Suction filter
11	213010000116	2	Fitting
12	213010000010	1	Coupler
13	203070000005	5	Plug-in fuse
14	207040000046	10	O-ring 120.32×2.62 AS158
15	202080000010	1	Return filter element
16	207040000045	10	O-ring 10.77×2.62 AS568
17	213060000003	2	Plug
18	207040000029	10	O-ring 10.0×2.0 GB1235
19	213060000001	2	Plug
20	207010000004	10	Grease nipple 90° M10×1 GB/T 1153
21	207040000024	10	O-ring
22	202080000004	1	Oil suction filter
23	207990000003	10	O-ring(ANSI)
24	216070003005	1	Box, service parts stock
25	207990000002	10	O-ring(ANSI)
26	207040000048	10	O-ring 14×1.78 AS015

10.9.3 ON-BOARD SPARE PARTS (KUBOTA V2403BM-DI-CT04)

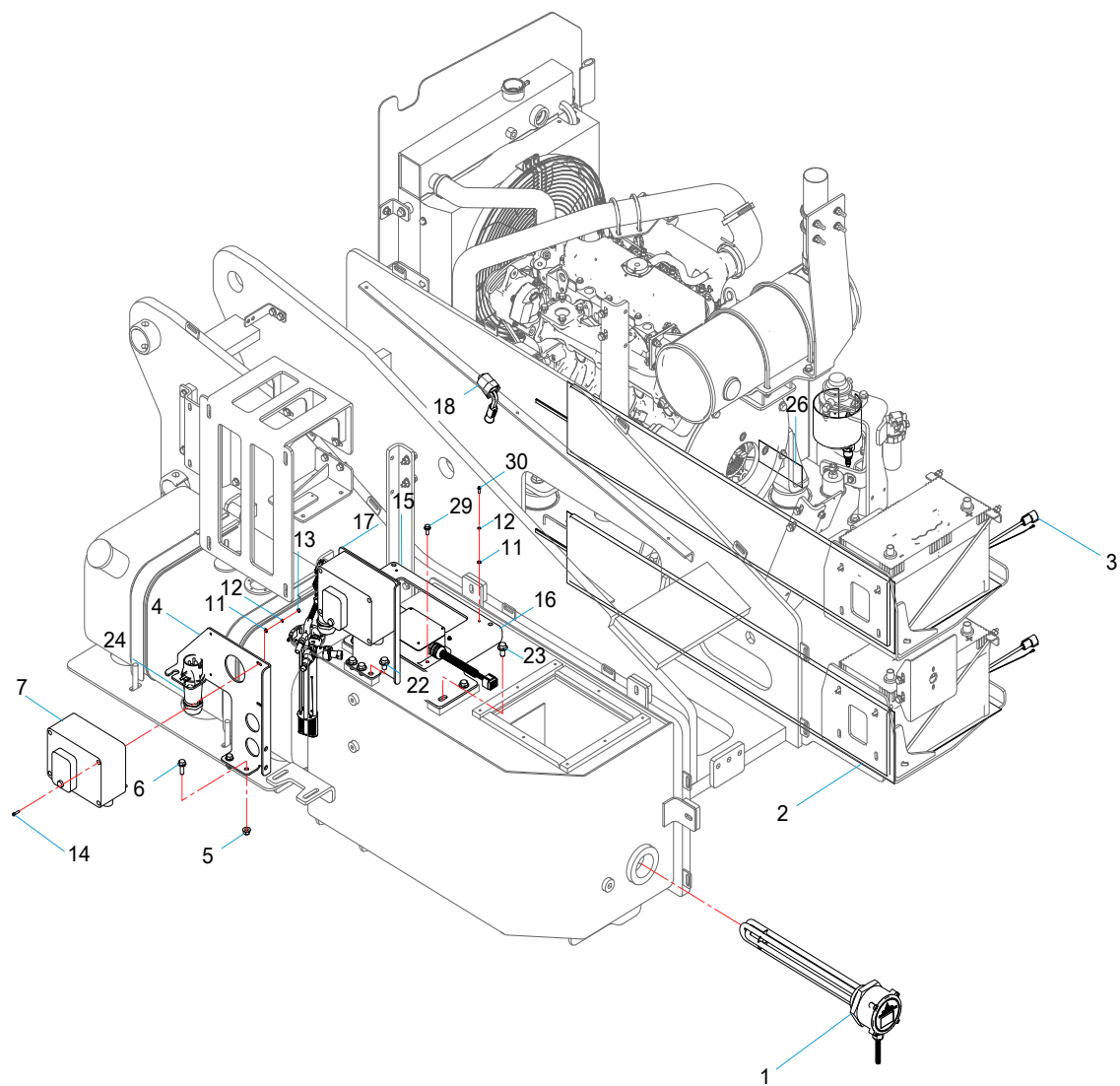
No.	Part No.	Qty.	Description
1	207040000047	10	O-ring
2	202080000006	1	Suction filter
3	207990000001	10	O-ring(ANSI)
4	202080000010	1	Return filter element
5	213010000116	2	Fitting
6	207040000046	10	O-ring 120.32×2.62 AS158
7	207040000048	10	O-ring 14×1.78 AS015
8	203070000005	5	Plug-in fuse
9	207010000003	10	Grease nipple M10×1 GB/T 1152
10	203060000072	2	Handle holster
11	105084123022	1	Spare parts , engine (Kubota V2403 , China IV)
12	213060000001	2	Plug
13	203070000018	10	Plug-in fuse
14	213060000003	2	Plug
15	207010000004	10	Grease nipple 90° M10×1 GB/T 1153
16	207040000024	10	O-ring
17	216070003005	1	Box, service parts stock
18	207040000029	10	O-ring 10.0×2.0 GB1235
19	202080000004	1	Oil suction filter
20	207990000003	10	O-ring(ANSI)
21	207040000045	10	O-ring 10.77×2.62 AS568
22	213060000008	2	Plug
23	207990000002	10	O-ring(ANSI)
24	213060000009	2	Plug
25	213010000010	1	Coupler
26	203070000019	5	Plug-in fuse

10.10 COLD-WEATHER HEATING INSTALLATION OPTIONS (CONTINUOUS ROTATION-TURNTABLE LENGTH= 2.328 M)

10.10.1 COLD-WEATHER HEATING INSTALLATION OPTIONS (KUBOTA V2403-CE4)

No.	Part No.	Qty.	Description
1	203990003150	1	Hydraulic tank electric heater
2	104030190005	1	INST,blue heating(Kubota V2403,China IV)

10.10.2 COLD-WEATHER HEATING INSTALLATION (KUBOTA V2403-CE4)

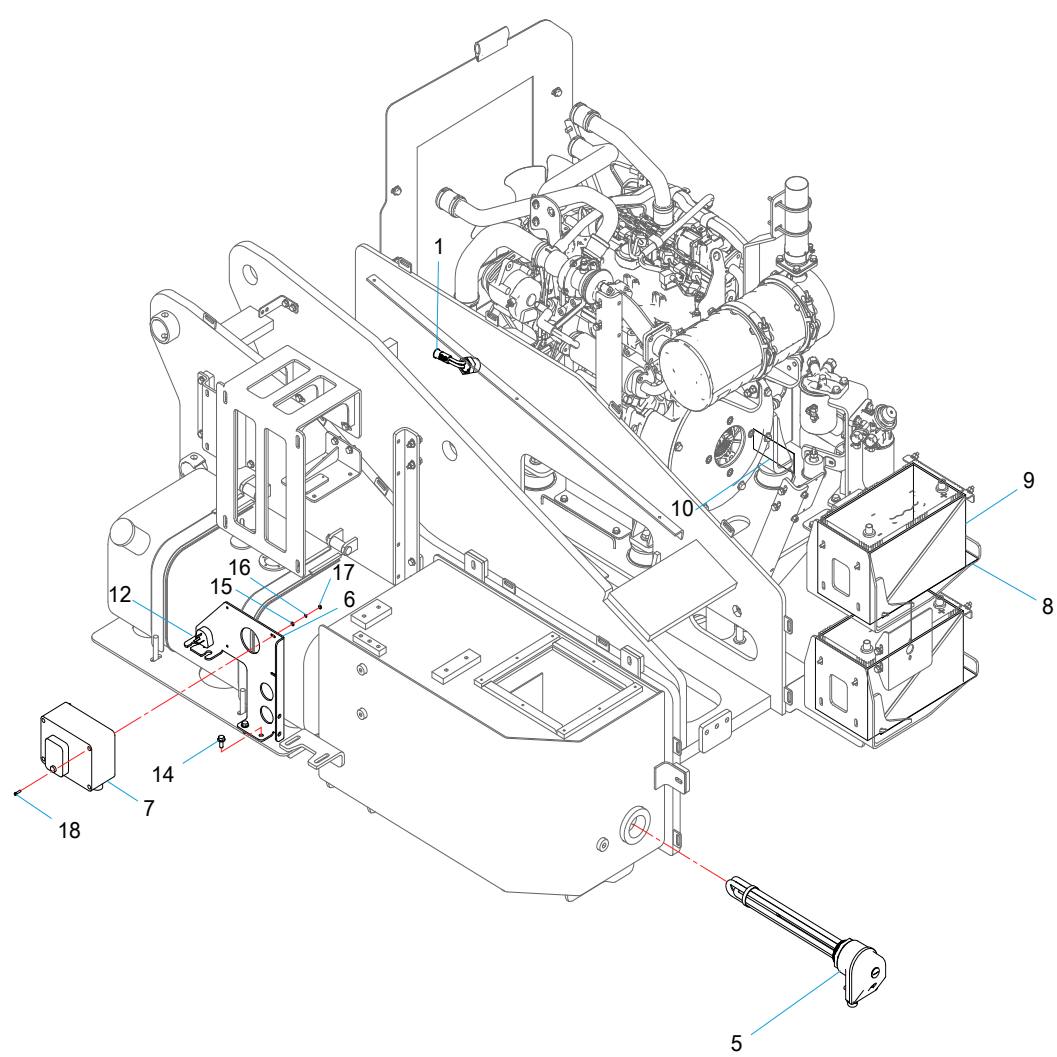


No.	Part No.	Qty.	Description
1	203990003150	1	Hydraulic tank electric heater
2	203990003148	2	External electric heater
3	203990003194	2	Carpet battery heater
4	104030020212	1	Plate,folded
5	215030000108	2	Nut M8-8-ZnD GB/T 6183.1
6	215010000235	2	Bolt M8×25-8.8-ZnD GB/T 5789
7	203090003047	2	Leakage protector assembly
8	105044063044	2	Wiring scheme of Blue Heating(no mark)
9	105044063054	2	Battery Heating Harness (no mark)
10	105044063061	2	Harness, heating (hydraulic tank)(no mark)
11	215040000031	12	Washer 4-A2 GB/T 97.1
12	215040000002	12	Washer 4-A2-70 GB/T 93
13	215030000002	8	Nut M4-8-A2-70 GB/T 6170
14	215020000106	8	Screw M4×16-A2-70 GB/T 818
15	201080000006	1	ASSY,fuel heater
16	104030020048	1	Bracket
17	104030020100	1	Plate, folded
18	201010003165	1	Water heater(230V)
19	203080003941	1	Power supply cable(230V)(no mark)
20	203080003942	1	Inlet cable(230V)(no mark)
21	203080003943	1	Extension cable(230V)(no mark)
22	215010000245	3	Bolt M10×16-8.8-ZnD GB/T 5789
23	215010000237	4	Bolt M10×20-8.8-ZnD GB/T 5789
24	105074063065	2	Charger plug option
25	105050190001	1	Decal-Battery and Hydraulic oil heating(no mark)
26	105084100021	1	Decal,instruction(engine heater,Kubota)
27	105084100022	1	Decal-Fuel oil heating(no mark)
28	104030060100	1	Harness, heating (fuel)(no mark)
29	215010000230	4	Bolt M6×16-8.8-ZnD GB/T 5789
30	215020000105	4	Screw M4×12-A2-70 GB/T 818

10.10.3 COLD-WEATHER HEATING INSTALLATION OPTIONS (KUBOTA V2403-M-E4)

No.	Part No.	Qty.	Description
1	203990003068	1	Hydraulic tank electric heater
2	104030190002	1	INST,Blue heating(Kubota V2403,TIE4)

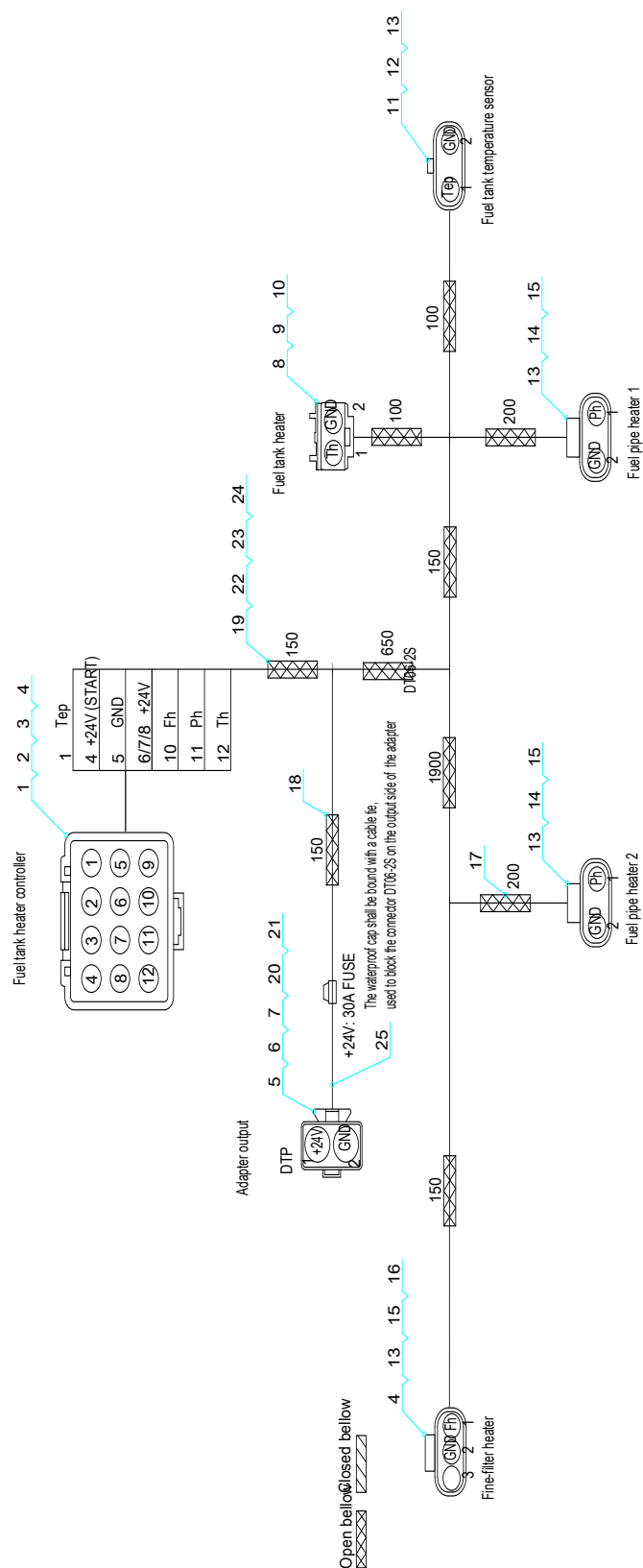
10.10.4 COLD-WEATHER HEATING INSTALLATION (KUBOTA)



No.	Part No.	Qty.	Description
1	201010003164	1	Water heater(120V)
2	203080003938	1	Power supply cable(120V)(no mark)
3	203080003939	1	Inlet cable(120V)(no mark)
4	203080003940	1	Extension cable(120V)(no mark)
5	203990003068	1	Hydraulic tank electric heater
6	104030020212	1	Plate,folded
7	203090003047	1	Leakage protector assembly
8	203990003074	2	Carpet battery heater
9	203990003073	2	External electric heater
10	105084100021	1	Decal,instruction(engine heater,Kubota)
11	105044063044	1	Wiring scheme of Blue Heating(no mark)
12	105074063065	1	Charger plug option
13	105050190001	1	Decal-Battery and Hydraulic oil heating(no mark)
14	215010000234	2	Bolt M8×20-8.8-ZnD GB/T 5789
15	215040000031	4	Washer 4-A2 GB/T 97.1
16	215040000002	4	Washer 4-A2-70 GB/T 93
17	215030000002	4	Nut M4-8-A2-70 GB/T 6170
18	215020000106	4	Screw M4×16-A2-70 GB/T 818
19	105044063054	1	Battery Heating Harness (no mark)
20	105044063061	1	Harness, heating (hydraulic tank)(no mark)

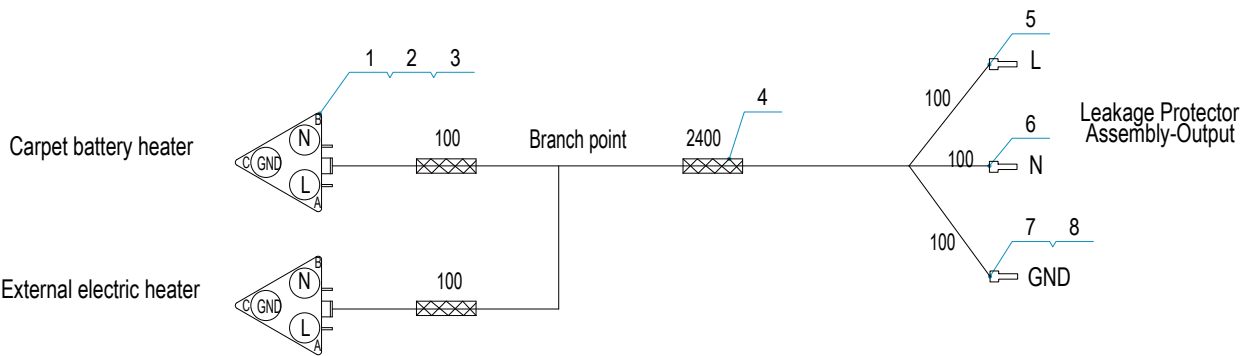
10.10.5 FUEL HEATER ASSEMBLY

No.	Part No.	Qty.	Description
1	201050000018	1	Fuel pipe heater
2	201051063110	1	Fuel pipe heater
3	203190003029	1	Adapter
4	203990003154	1	Fuel tank heater controller
5	201051063090	1	Fuel filter heater
6	201080000004	1	Heater,tank(fuel)



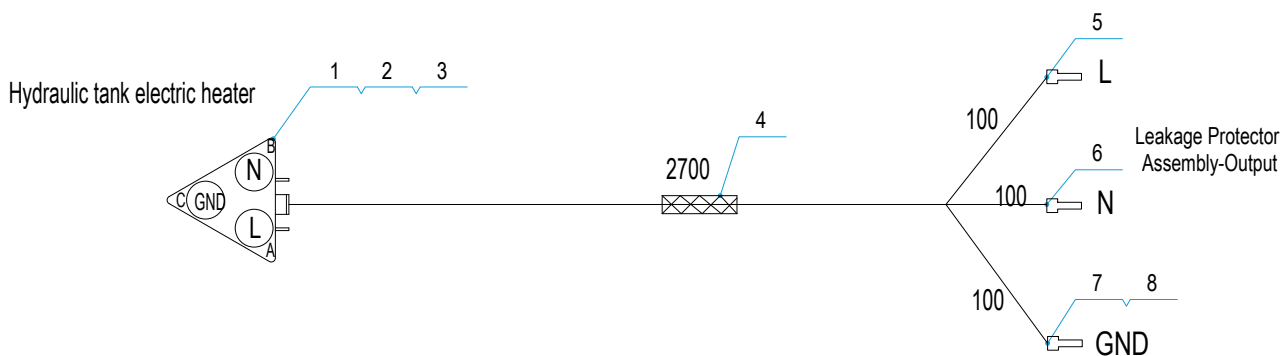
No.	Part No.	Qty.	Description
1	203080004003	1	Sheath, male terminal (12-pin)
2	203080004004	9	Terminal, male
3	203080004005	9	Waterproof plug
4	203080003587	4	Blind Plugging
5	203080000661	1	Sheath
6	203060000103	2	#12 male connector
7	203080000662	1	Lock plate
8	203080004009	1	Sheath, female terminal (2-pin)
9	203080004010	2	Terminal, female
10	203080004011	2	Waterproof plug
11	203080004006	1	Sheath, male terminal (2-pin)
12	203080004007	2	Terminal, male
13	203080003980	8	Waterproof plug
14	203080003978	2	Sheath, female terminal (2-pin)
15	203080003979	6	Terminal, female
16	203080004008	1	Sheath, female terminal (3-pin)
17	203080003291	2	Corrugated pipe
18	203080003289	2	Corrugated pipe
19	203080003288	2	Corrugated pipe
20	203080000528	1	Wire
21	203080000527	1	Wire
22	203080003313	1	Cable, thin wall
23	203080003599	10	Thin-walled automobile wire
24	203080003326	10	Cable, thin wall
25	203080000474	1	Waterproof cover

10.10.7 BATTERY HEATING HARNESS (PN.105044063054)



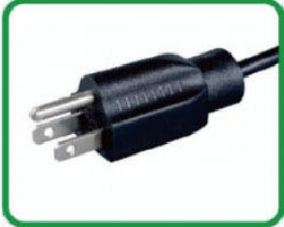
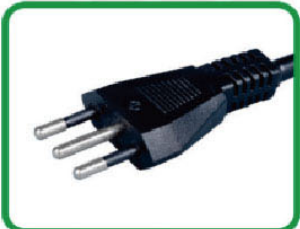
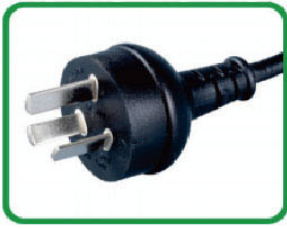
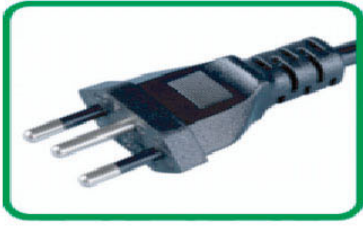
No.	Part No.	Qty.	Description
	105044063054	1	Battery Heating Harness
1	203080000404	2	Sheath
2	203080000032	2	Lock
3	203080003013	6	Female connector
4	203080003291	3	Corrugated pipe
5	203080003986	3	Wire
6	203080003987	3	Wire
7	203080003988	3	Wire
8	203080000415	3	Terminal

10.10.8 HYDRAULIC TANK HEATING HARNESS (PN.105044063061)



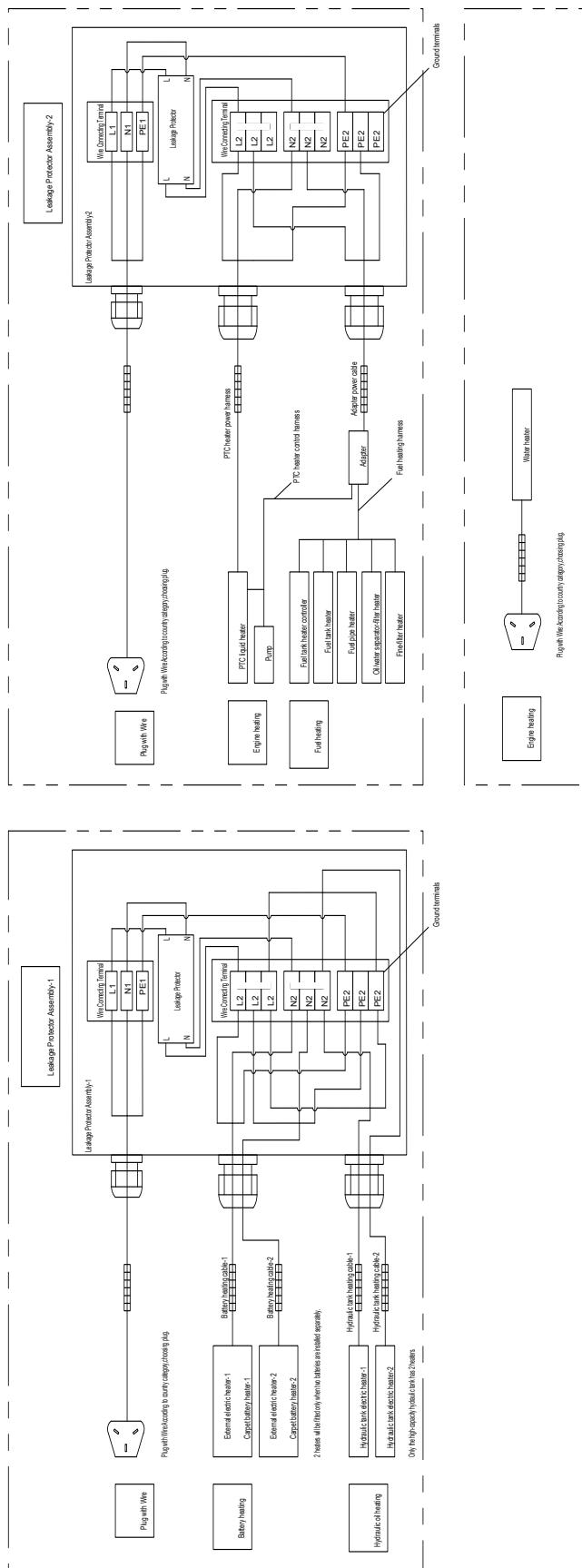
No.	Part No.	Qty.	Description
	105044063061	1	Harness, heating (hydraulic tank)
1	203080000404	1	Sheath
2	203080000032	1	Lock
3	203080003013	3	Female connector
4	203080003291	3	Corrugated pipe
5	203080003986	3	Wire
6	203080003987	3	Wire
7	203080003988	3	Wire
8	203080000415	3	Terminal

10.10.9 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)
2	203080004037	1	Cable, plug (AC power)(Type I, Argentina)
3	203080003959	1	Cable, plug (AC power)(Type G, Hong Kong, Macau, Malaysia and the Middle East)
4	203080003961	1	Cable, plug (AC power)(Type M, South Africa and India)
5	203080004036	1	Cable, plug (AC power)(Type I, China)
6	203080003963	1	Cable, plug (AC power)(Type J, Switzerland)
7	203080003960	1	Cable, plug (AC power)(Type B, Mexico, the United States, Thailand, Taiwan, and the Philippines)
8	203080003970	1	Cable, plug (AC power)(Type H, Israel)
9	203080003962	1	Cable, plug (AC power)(Type E+F, Vietnam, Russia, Poland, Turkey, the Netherlands, and South Korea)
10	203080003958	1	Cable, plug (AC power)(Type I, New Zealand and Australia)
11	203080004035	1	Cable, plug (AC power)(Type N, Brazil)
12	203080004391	1	Cable, plug (AC power)(Type 277+1193, UK)

10.10.10 COLD-WEATHER HEATING SCHEMATIC DIAGRAM (PN.105044063044)

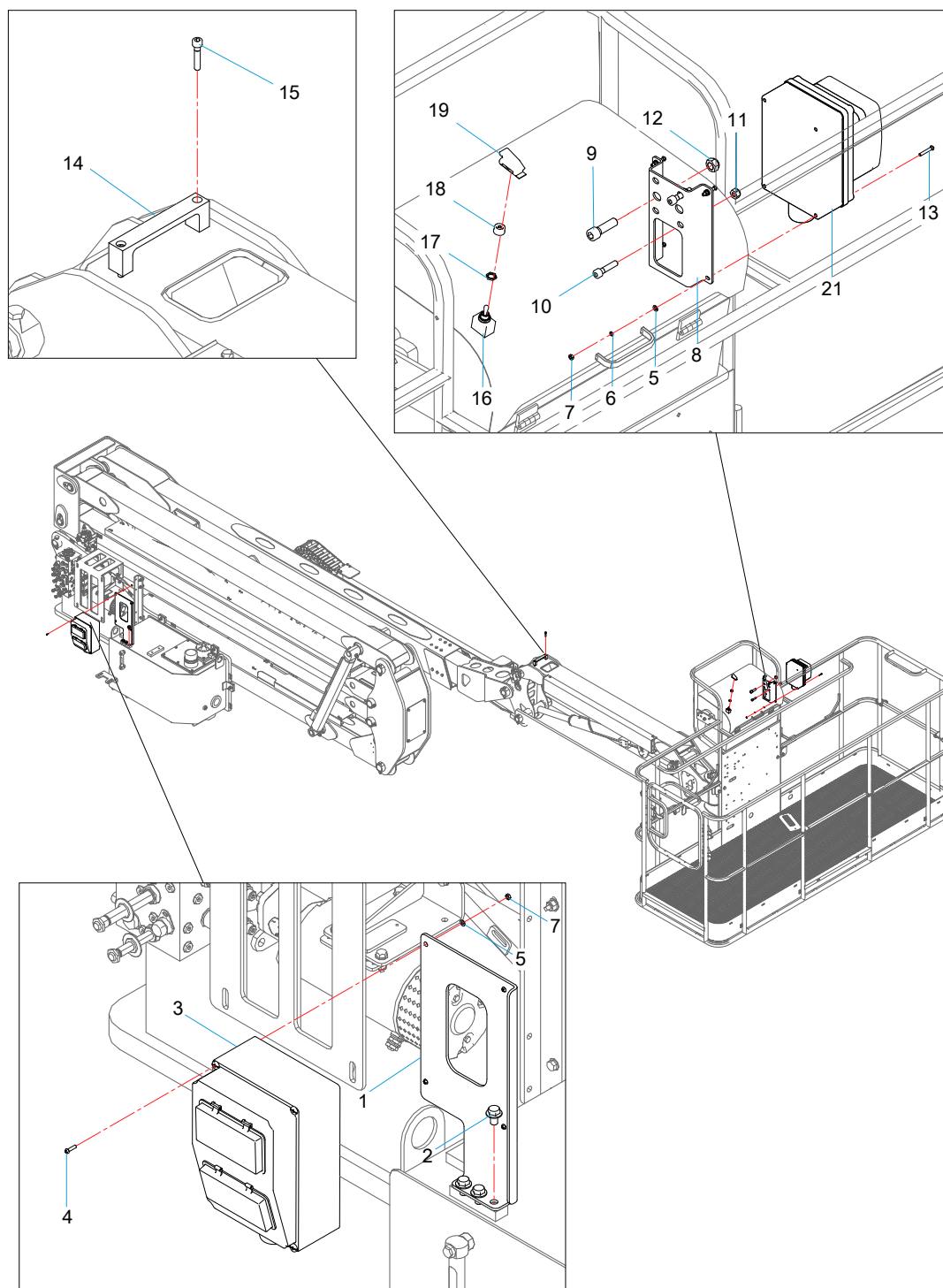


10.11 HYDRAULIC GENERATOR OPTIONS(CONTINUOUS ROTATION-TURNTABLE LENGTH= 2.328 M)

10.11.1 ELECTRICAL SCHEMATIC DIAGRAM OF HYDRAULIC GENERATOR (NORTH AMERICAN)

No.	Part No.	Qty.	Description
1	104030050187	1	HYDR schematic diagram
2	104030050188	1	Pipeline DIAG, INST (generator)

10.11.2 HYDRAULIC GENERATOR ELECTRICAL COMPONENTS INSTALLATION (NORTH AMERICA)

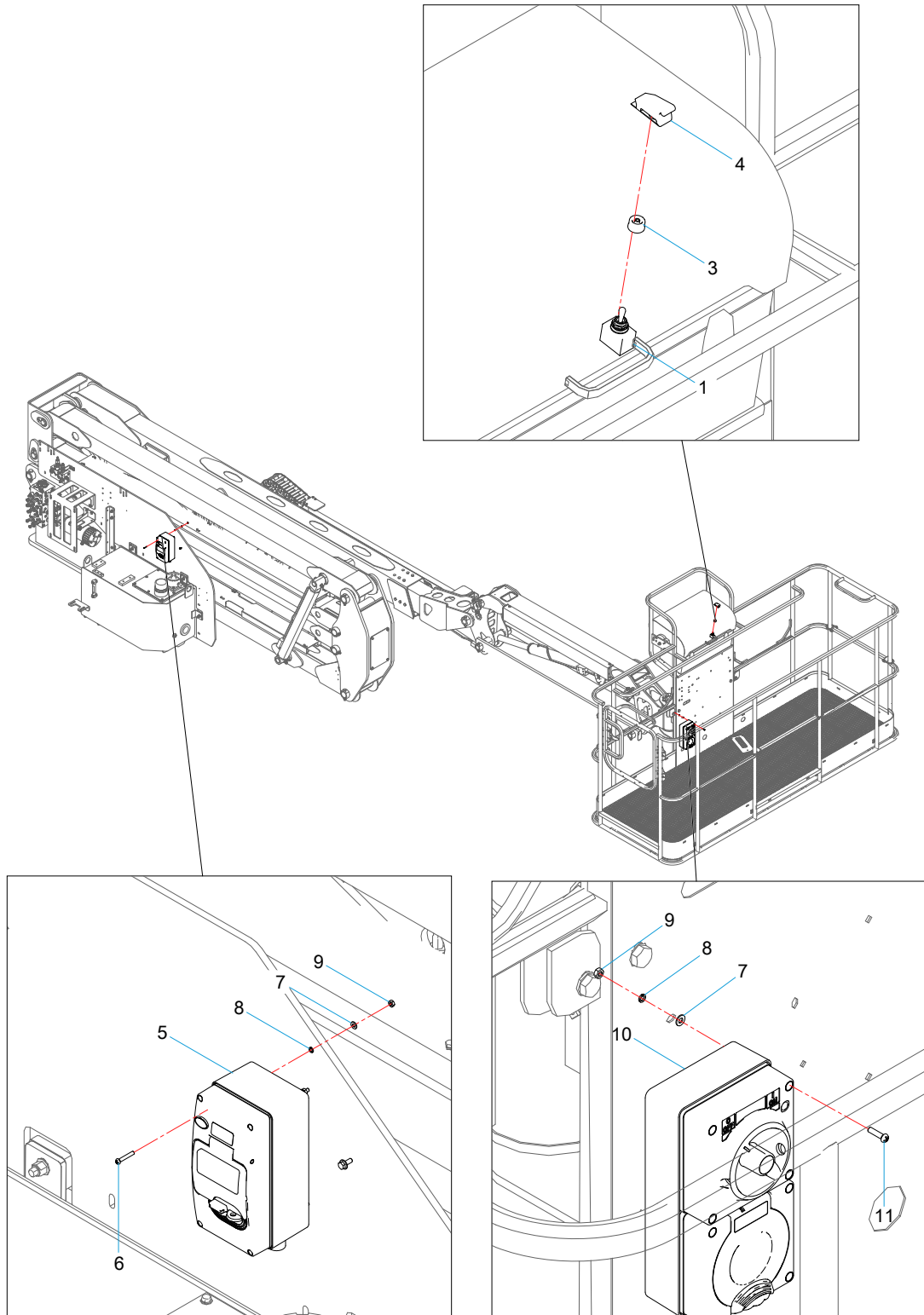


No.	Part No.	Qty.	Description
1	104030020238	1	Plate, folded
2	215010000245	3	Bolt M10×16-8.8-ZnD GB/T 5789
3	203080003782	1	Leakage protector assembly
4	215020000106	4	Screw M4×16-A2-70 GB/T 818
5	215040000031	8	Washer 4-A2 GB/T 97.1
6	215040000002	8	Washer 4-A2-70 GB/T 93
7	215030000002	8	Nut M4-8-A2-70 GB/T 6170
8	105050043063	1	Plate, grooved
9	215020000208	1	Screw M12×40-8.8-ZnD GB/T 70.1
10	215020000026	2	Screw M8×35-8.8-ZnD GB/T 70.1
11	215030000026	2	Nut M8-8-ZnD GB/T889.1
12	215030000029	1	Nut M12-8-ZnD GB/T 6184
13	215020000108	4	Screw M4×25-A2-70 GB/T 818
14	105002010023	1	Clamp
15	215020000014	2	Screw M6×30-A2-70 GB/T 70.1
16	203060000035	1	Toggle switch
17	203080000109	1	Nut
18	203080000101	1	Waterproof cap
19	203060000150	1	Toggle switch guard
20	104030060054	1	ELEC harness DIAG, hydraulic generator (North America)(Not shown)
21	105082063100	1	OPT, socket (waterproof)

10.11.3 ELECTRICAL SCHEMATIC DIAGRAM OF HYDRAULIC GENERATOR (AUSTRALIA)

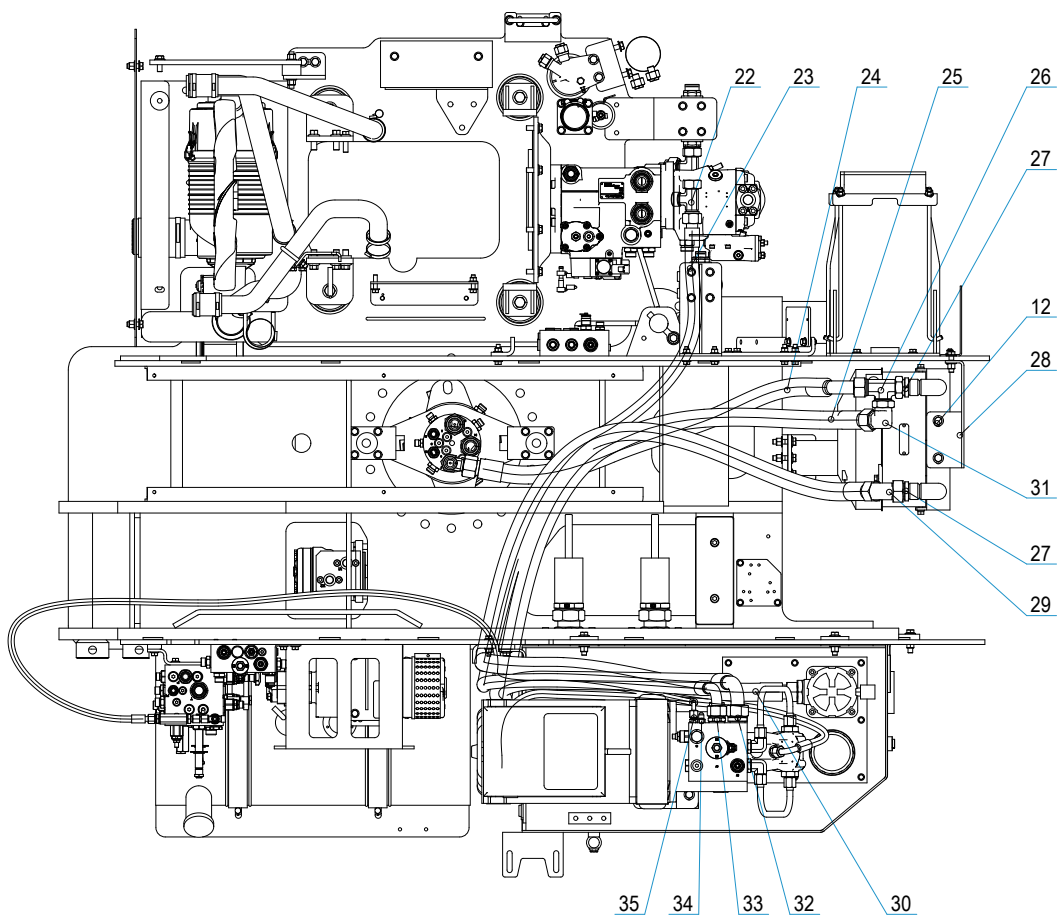
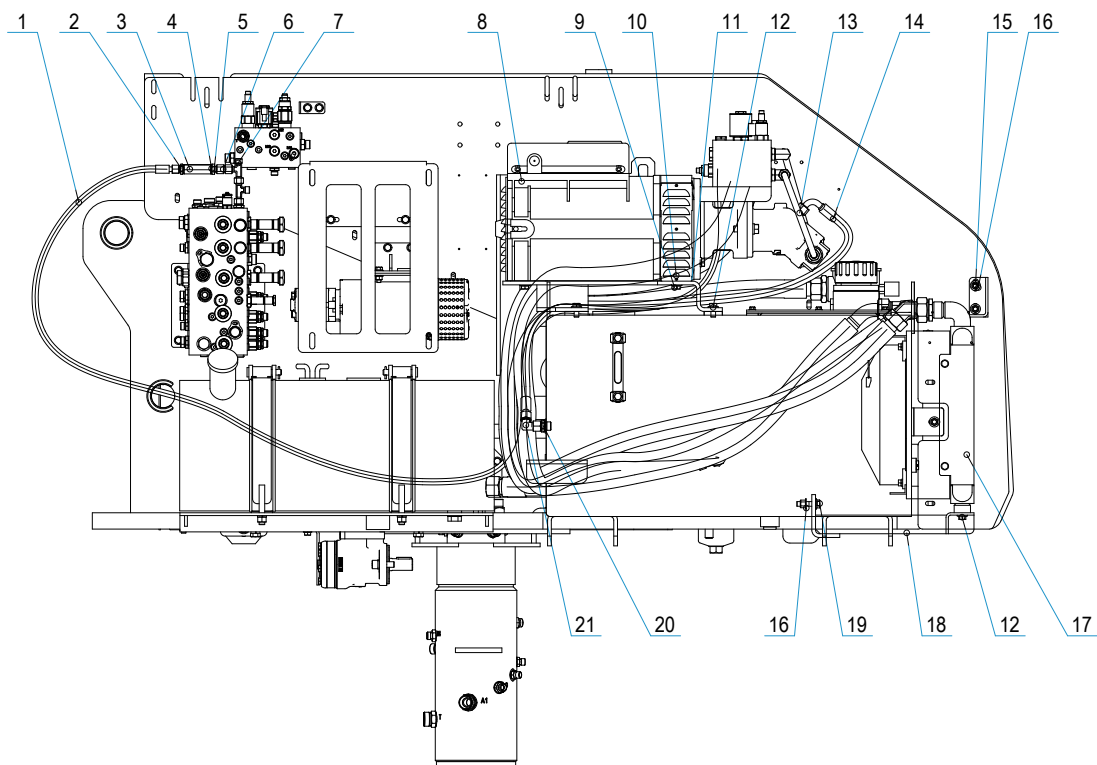
No.	Part No.	Qty.	Description
1	104030050282	1	HYDR schematic diagram
2	104030050283	1	Pipeline DIAG, INST (generator)

10.11.4 HYDRAULIC GENERATOR ELECTRICAL COMPONENTS INSTALLATION (AUSTRALIA)



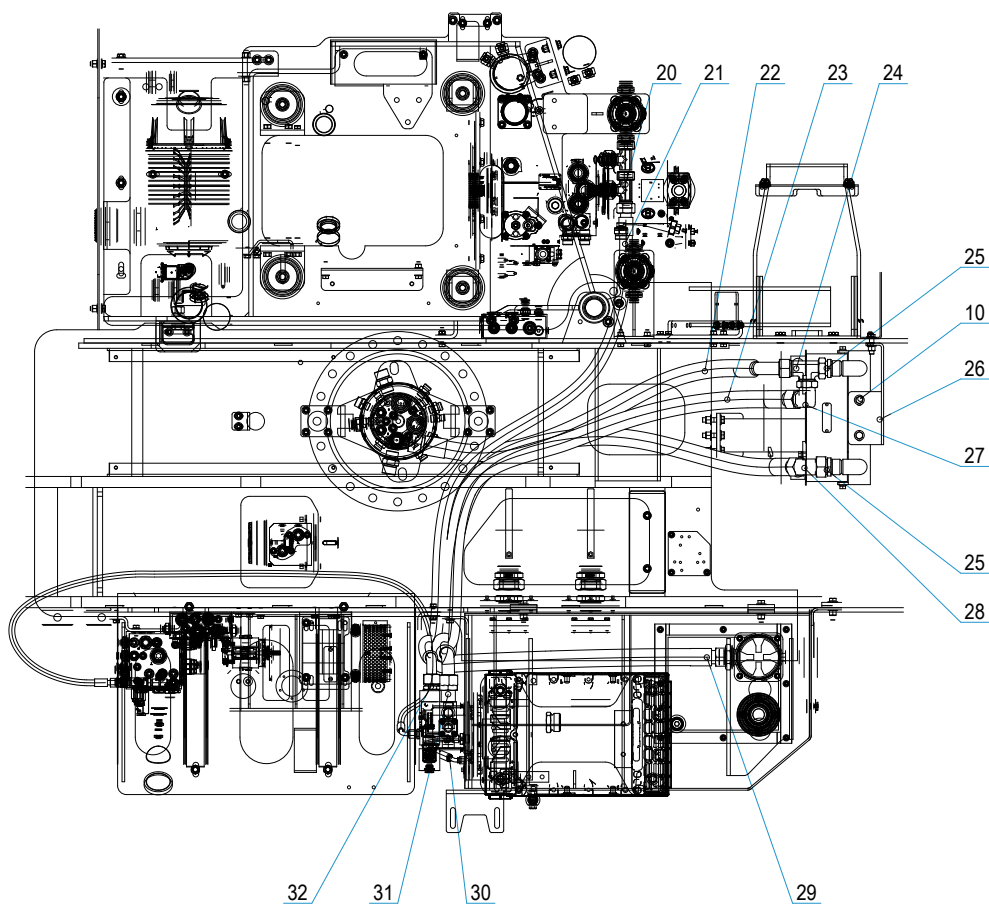
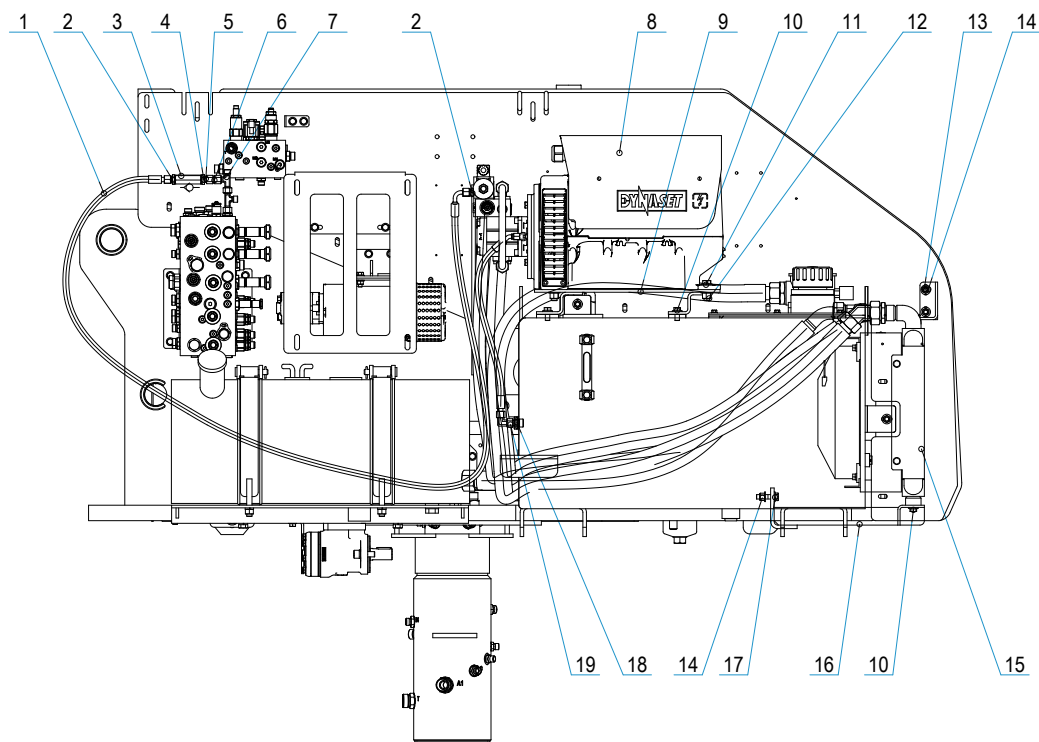
No.	Part No.	Qty.	Description
1	203060000035	1	Toggle switch
2	203080000109	1	Nut
3	203080000101	1	Waterproof cap
4	203060000150	1	Toggle switch guard
5	203070003102	1	ASSY, protector (leakage)
6	215020000108	4	Screw M4×25-A2-70 GB/T 818
7	215040000031	8	Washer 4-A2 GB/T 97.1
8	215040000002	8	Washer 4-A2-70 GB/T 93
9	215030000002	8	Nut M4-8-A2-70 GB/T 6170
10	203080004318	1	Socket, waterproof (with knob switch)
11	215020000106	4	Screw M4×16-A2-70 GB/T 818
12	104030060269	1	ELEC wiring DIAG, HYDR generator (AU)(Not shown)
13	104032060054	1	Cable, adapter (HYDR generator, AU)
14	215010000279	1	Bolt M5×12-A2-70 GB/T 5789

10.11.5 GENERATOR INSTALLATION PIPING DIAGRAM



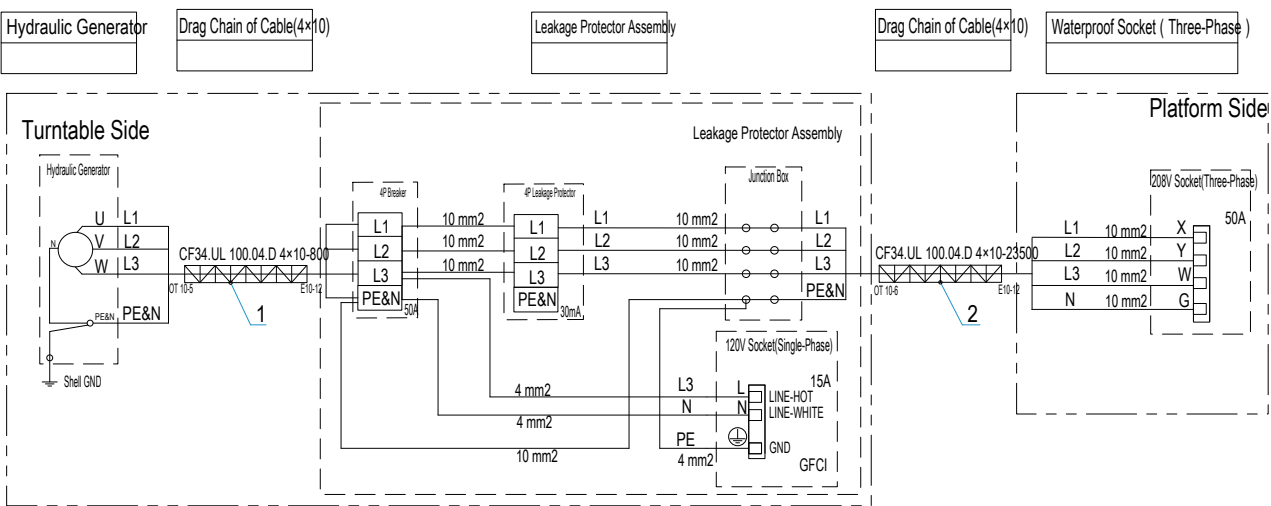
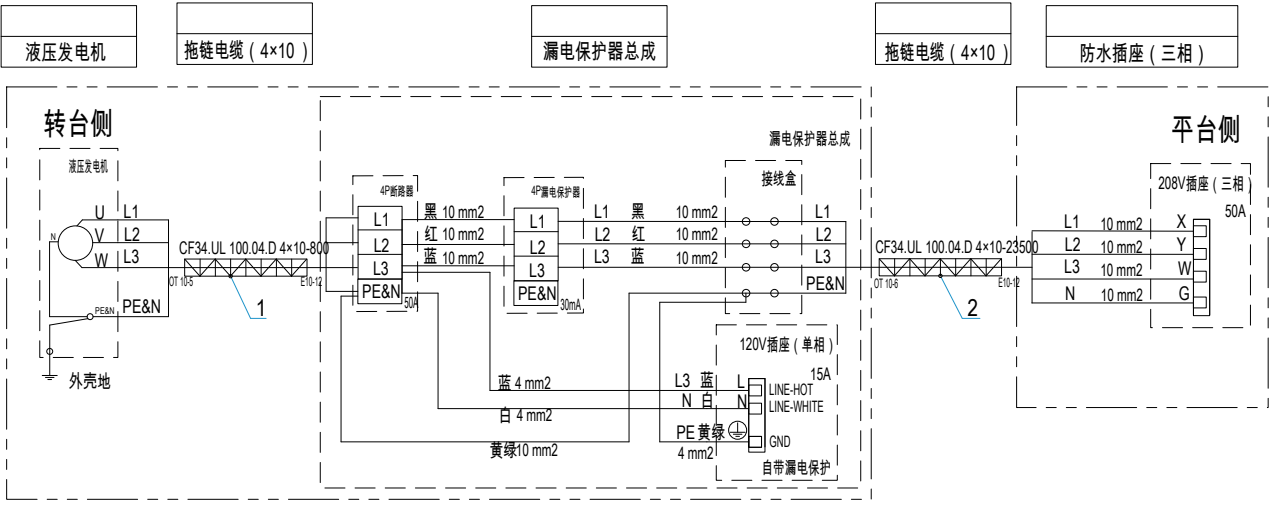
No.	Part No.	Qty.	Description
1	213050012816	1	Hose
2	213010000007	1	Fitting
3	202040003468	1	Tubular check manifold
4	202130003003	1	Damper
5	213010003014	1	Coupler
6	213010000142	1	Coupler
7	213010000026	1	Coupler
8	104030050201	1	OPT, generator (North America)
9	215010000239	3	Bolt M10×30-8.8-ZnD GB/T 5789
10	215030000006	3	Nut M10-8-ZnD GB/T 6170
11	104030020235	1	Bracket, generator
12	215010000266	10	Bolt M10×20-10.9-DKL GB/T 5789
13	213010000004	1	Fitting
14	213050003045	1	Hose
15	215010000268	2	Bolt M10×35-10.9-DKL GB/T 5789
16	215030000109	5	Nut M10-8-ZnD GB/T 6183.1
17	202060003007	1	Oil cooler assembly
18	104030020205	1	Bracket
19	215010000269	3	Bolt M10×40-10.9-DKL GB/T 5789
20	213010000086	1	Coupler
21	213010000055	1	Coupler
22	213010000043	1	Coupler
23	213050000737	1	Hose
24	213050019047	1	Hose
25	213050015934	1	Hose
26	213010000033	1	Coupler
27	213010000143	2	Coupler
28	104030020252	1	Plate, folded
29	213010000140	1	Coupler
30	202990004063	1	Hose
31	213010000164	1	Coupler
32	213010003114	1	Coupler
33	213010000100	1	Coupler
34	213060003014	1	Plug
35	213010000013	1	Coupler

10.11.6 GENERATOR INSTALLATION PIPING DIAGRAM



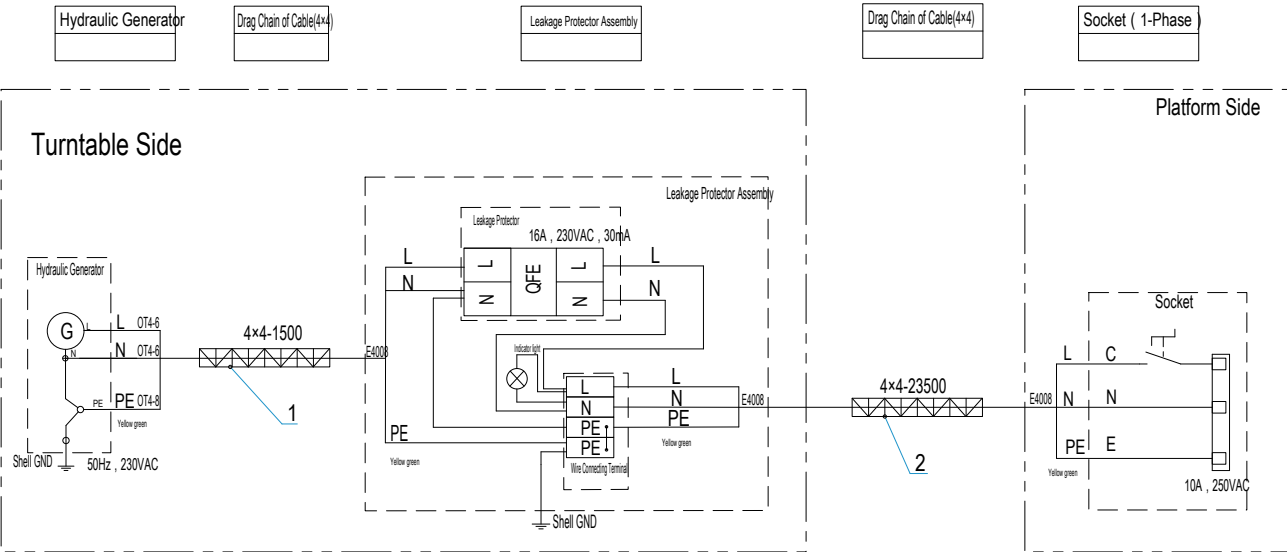
No.	Part No.	Qty.	Description
1	213050008564	1	Hose
2	213010000007	2	Fitting
3	202040003468	1	Tubular check manifold
4	202130003003	1	Damper
5	213010003014	1	Coupler
6	213010000142	1	Coupler
7	213010000026	1	Coupler
8	104032050140	1	OPT, generator (Australia)
9	104030050285	1	Bracket, generator
10	215010000266	10	Bolt M10×20-10.9-DKL GB/T 5789
11	215010000270	4	Bolt M12×35-10.9-DKL GB/T 5789
12	215030000110	4	Nut M12-8-ZnD GB/T 6183
13	215010000268	2	Bolt M10×35-10.9-DKL GB/T 5789
14	215030000109	5	Nut M10-8-ZnD GB/T 6183.1
15	202060003007	1	Oil cooler assembly
16	104030020205	1	Bracket
17	215010000269	3	Bolt M10×40-10.9-DKL GB/T 5789
18	213010000256	1	Coupler
19	213010000024	1	Coupler
20	213010000043	1	Coupler
21	213050011891	1	Hose
22	213050019047	1	Hose
23	213050001606	1	Hose
24	213010000033	1	Coupler
25	213010000143	2	Coupler
26	104030020252	1	Plate, folded
27	213010000164	1	Coupler
28	213010000140	1	Coupler
29	202990004063	1	Hose
30	213050019166	1	Hose
31	213010003403	1	Fitting
32	213010000045	1	Coupler

10.11.7 HYDRAULIC GENERATOR ELECTRICAL HARNESS DIAGRAM (NORTH AMERICA)



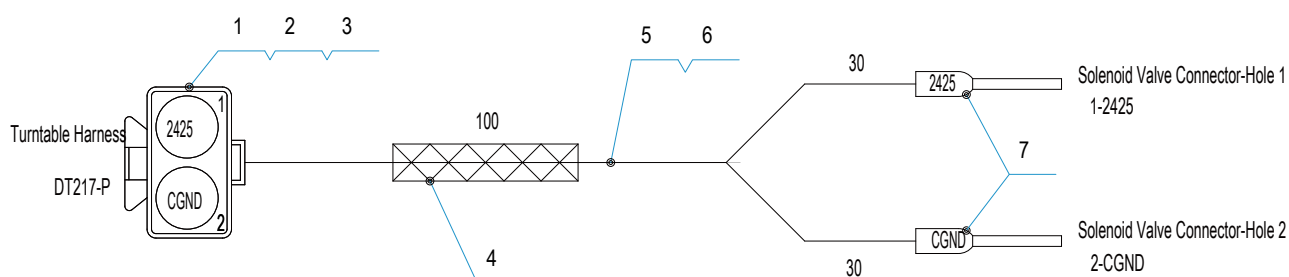
No.	Part No.	Qty.	Description
1	203230003532	1	Cable, drag chain
2	203230003531	1	Cable, drag chain

10.11.8 HYDRAULIC GENERATOR ELECTRICAL HARNESS DIAGRAM (AUSTRALIA)



No.	Part No.	Qty.	Description
1	203230003616	1	Cable, drag chain
2	203230003637	1	Cable, drag chain

10.11.9 ADAPTER CABLE (PN.104032060054)



No.	Part No.	Qty.	Description
	104032060054	1	Cable, adapter (HYDR generator, AU)
1	203080000408	1	Sheath
2	203080000021	1	Lock
3	203080000033	2	Male connector
4	203080000006	1	Corrugated pipe
5	203080003273	1	Cable
6	203080000563	1	Thin-wall wire
7	203080004123	2	Terminal, tubular (pre-insulated)

10.11.10 WATERPROOF SOCKET INSTALLATION OPTIONS

No.	Part No.	Qty.	Description
1	203080004180	1	Socket, waterproof(US)
2	203080003781	1	Waterproof socket(Canada)

This Page Intentionally Left Blank

PARTNERS IN ACCESS



Hunan Sinoboom Intelligent Equipment Co., Ltd.

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

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

✉ sales@sinoboom.com

🌐 www.sinoboom.com

North American Subsidiary

Sinoboom North America LLC

105 W Riley Rd, Houston, TX,
77047, US

E-mail: sales@sinoboom.us

Phone: +1 (800)867-2552

Australia Subsidiary

Sinoboom Intelligent Equipment Pty Ltd.

32-34 Marni St, Dandenong South, Vic
3175

E-mail: au@sinoboom.com

Phone: +61 484 118 324

Korea Subsidiary

Sinoboom Korea Co., Ltd.

E-mail: sales@sinoboom.com

Phone: +82-10-2533-1831

Europe Subsidiary

Sinoboom B.V.

Nikkelstraat 26
NL-2984 AM Ridderkerk
The Netherlands

E-mail: info@sinoboom.eu

Phone: +31 180 225 666

Brazil Subsidiary

SINOBOOM Brasil LTDA

Av. Antonieta Piva Barranqueiros,
62 – Unidade 1 - Distrito Industrial, Jundiaí
- SP Brazil

E-mail: sales@sinoboom.com

Mexican Subsidiary

SINOBOOM LATIN AMERICA, S. DE R. L.
DE C. V.

Camino a Napoles Km. 2+370(LI)
entronque a brecha Km.1(LI) del Ejido San
Miguel del Arenal, Silao de la Victoria, Gto.

Poland Subsidiary

Sinoboom Poland sp.z o.o.

ul. Feliksa Tychowskiego 5A 61-248
Poznań, Poland

E-mail: sales@sinoboom.com

Middle East Subsidiary

Sinoboom Middle East FZE

Q4-085 , SAIF-Zone,
Sharjah, U.A.E.

E-mail: sales@sinoboom.com