

TP12 Spare parts book

前言 **FOREWORD**

- 该零件图册记载了 TP12 系列液压挖掘机所使用的零件

The pare parts book figure parts used by TP12 hydraulic excavator

- 本公司致力于产品改进，所以往往改进后却未及时记载于零件图册，根据需要，若变动大，则印刷修订版，敬望谅解

We apply ourself to ameliorate production, so sometime improvement can not show in the pare parts book, if need we can press revision, beg forgiveness

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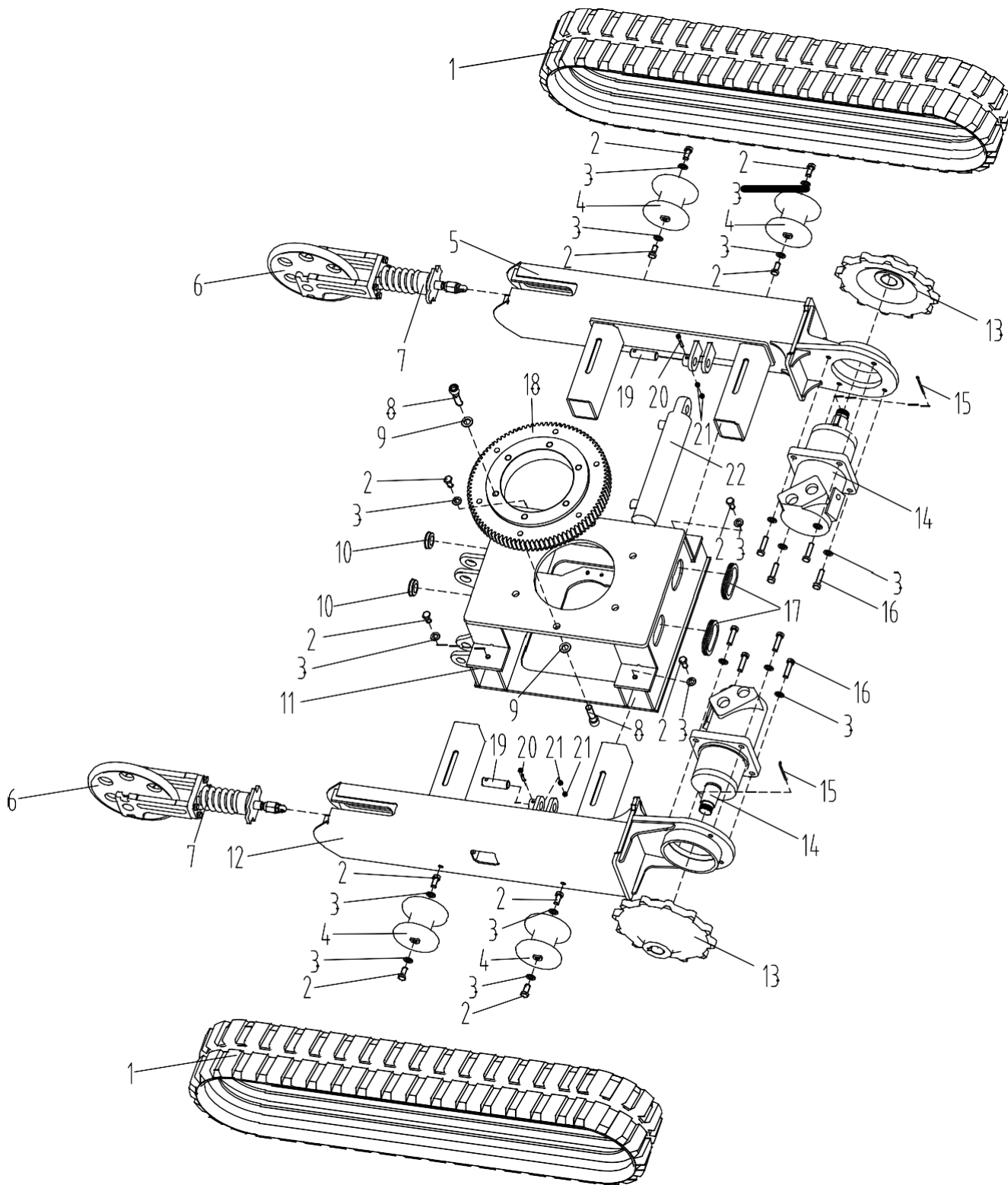
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底盘总成

CHASSIS ASSEMBLY

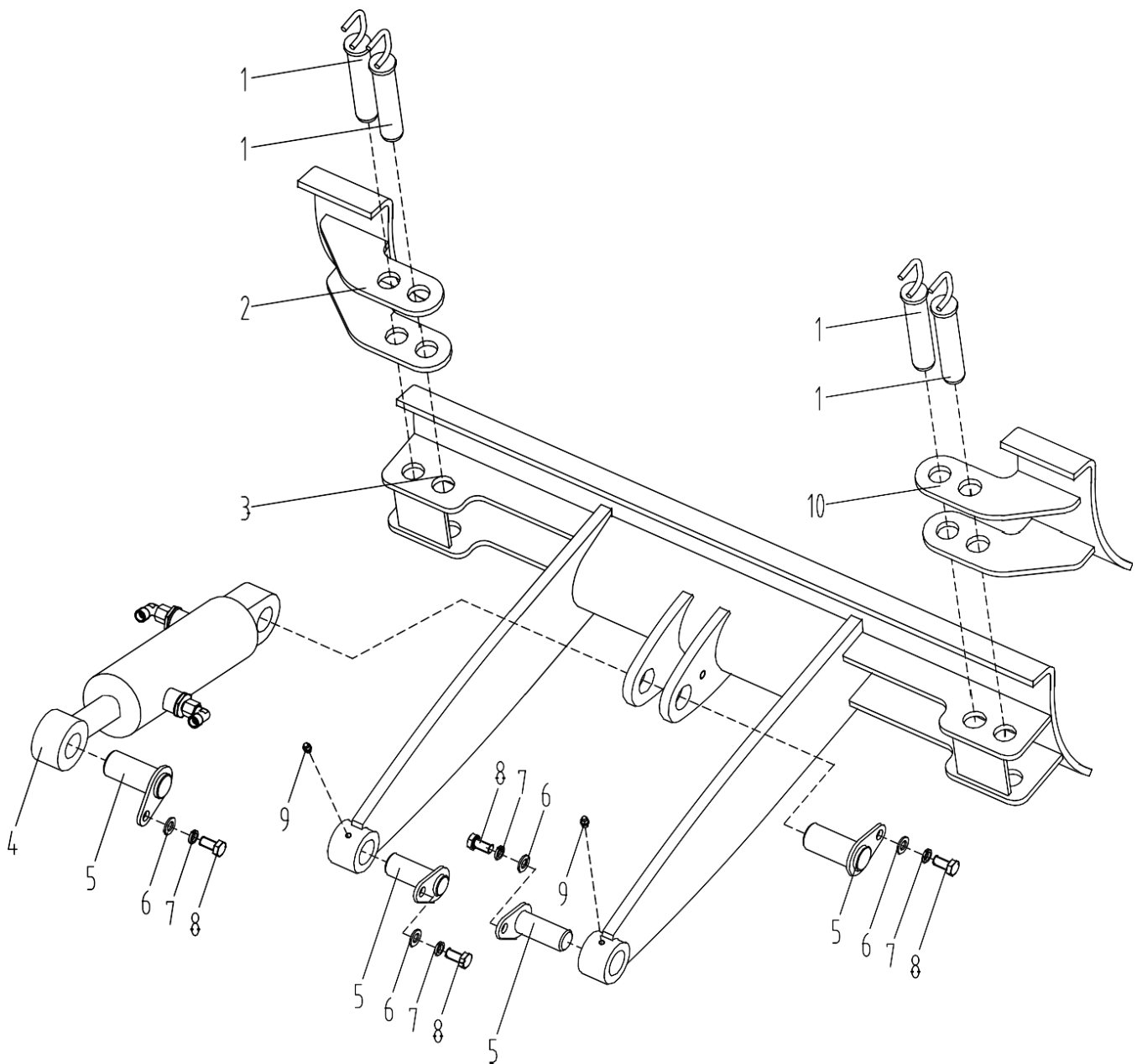


底盘总成

CHASSLS ASSEMBLY

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks	
1	10025026	橡胶履带 Crawler assembly	2		
2	10024556	螺栓M12×25 Bolt M12×25	12		
3	10024537	垫圈12 Washer 12	20		
4	10024242	支重轮 Idler	4		
5	20020895	右履带梁焊合 Right girder welding	1		
6	10024241	引导轮总成 Idler assy	2		
7	10024240	涨紧装置 Tensioning device	2		
8	10024554	螺栓M16×60 Bolt M16×60	12		
9	10024555	垫圈16 Washer 16	12		
10	10024995	护套I Sheath I	2		
11	20020897	底座焊合 Foundation welding	1		
12	20020889	左履带梁焊合 Left girder welding	1		
13	10024243	驱动轮 Driving wheel	2		
14		行走马达 Traveling motor	2		随液压
15	10024577	开口销 Split pin	2		
16	10024557	螺栓M12×45 Bolt M12×45	8		
17	10024996	护套II Sheath II	2		
18	10025050	回转支承 Slewing support	1		
19	10024997	伸缩油缸销轴 Shaft pin	2		
20	10024570	螺栓M6×45 Bolt M6×45	2		
21	10024595	螺母M6 Nut M6	4		
22		伸缩油缸 Shaft pin	1		随液压

推土装置 DOZER EQUIPMENT

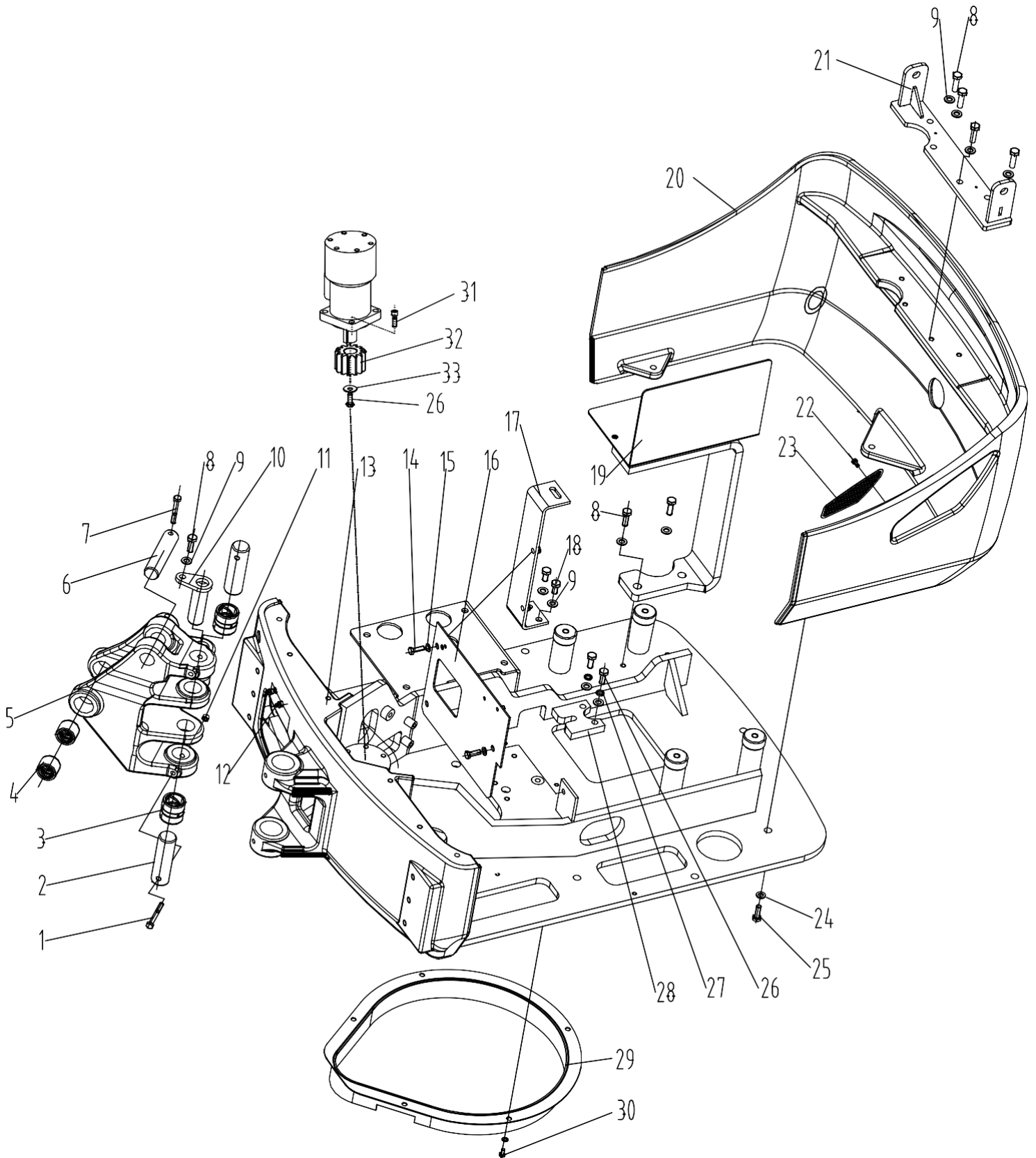


推土装置

DOZER EQUIPMENT

序号 NO	零件号 PART NO	名称 Name		数量 Quantity	备注 Remarks
1	20020923	副推土铲销轴	Shaft pin	4	随液压
2	20020917	左推土板	Left Dozer	1	
3	20020909	推土铲焊合	Dozer	1	
4		推土油缸	Cylinder	1	
5	10025384	推土油缸销轴	Shaft pin	4	
6	10024538	垫圈10	Washer 10	4	
7	10024575	垫圈10	Washer 10	4	
8	10024576	螺栓M10×16	Bolt M10×16	4	
9	10023693	油杯	Oil cup	2	
10	20020921	右推土板	Right Dozer	1	

平台
PLATFORM

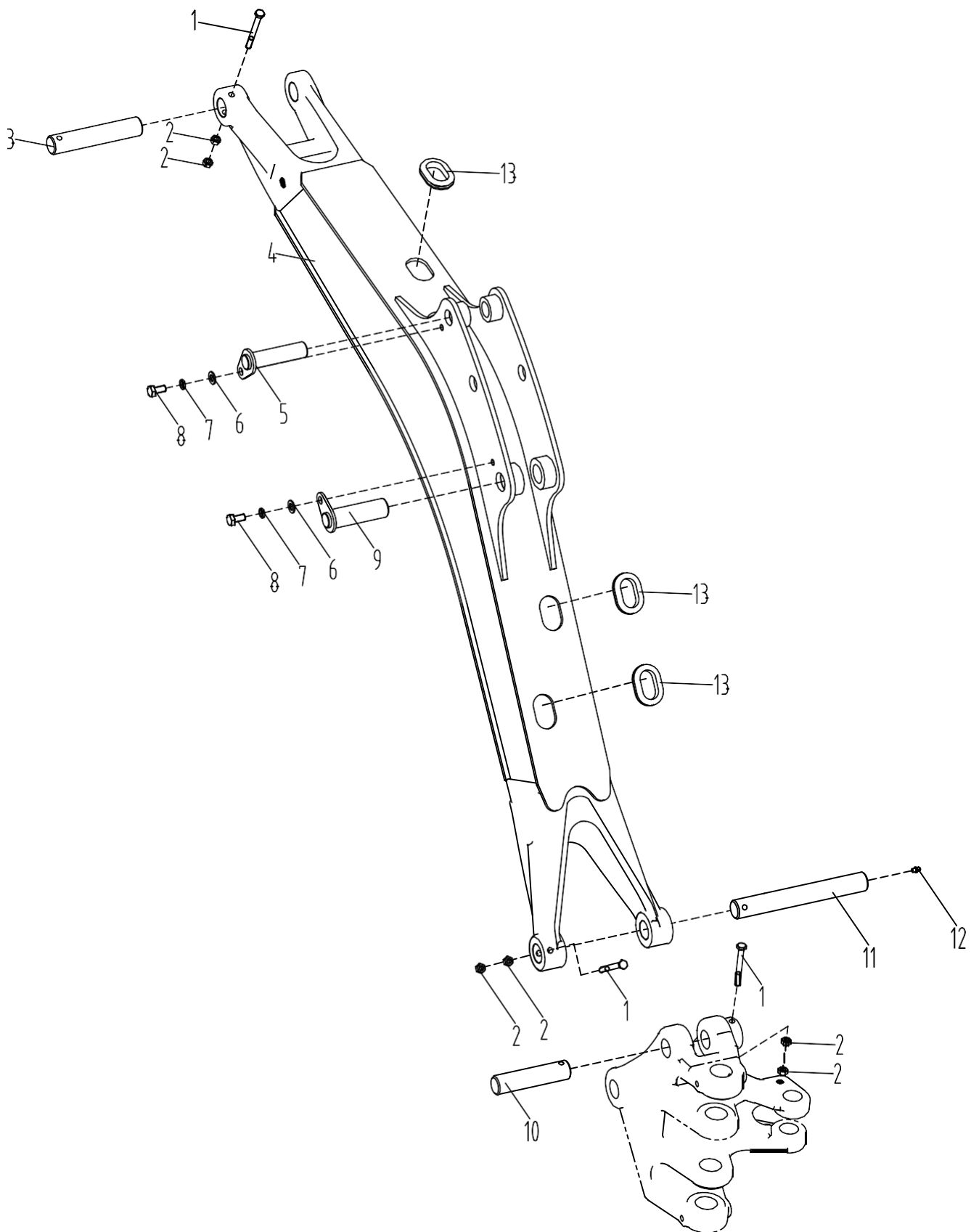


平台 PLATFORM

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	10020141	螺栓 M8×95 Bolt M8×95	2	
2	10025022	销轴 II Pin shaft I	2	
3	10025025	轴套 I Axle Sleeve I	2	
4	10025020	轴套 II Axle Sleeve II	1	
5	10024895	转向头 Steering head	1	
6	10025021	销轴 IV Pin shaft IV	1	
7	10001019	螺栓 M8×60 Bolt M8×60	1	
8	10000625	螺栓 M10×30 Bolt M10×30	5	
9	10000420	平垫 10 Flat washer 10	9	
10	10025023	销轴 III Pin shaft III	1	
11	10017757	防松螺母 M8 Nut M8	3	
12	40006932	润滑总成 Lube hose Assembly	2	
13	20020993	平台焊合 Platform Welding	1	
14	10024586	螺栓 M8×25 Bolt M8×25	3	
15	10012967	垫圈 8 Flat washer 8	11	
16	20021057	隔热板焊合 Heat shield welding	1	
17	20021986	锁钩座焊合 Bracket welding	1	
18	10000620	螺栓 M10×20 Bolt M10×20	2	
19	20021053	电瓶支架焊合 Bracket welding	1	
20	10025040	配重 Counter weight	1	
21	20021042	支架焊合 Bracket welding	1	
22	10000594	螺栓 M5×10 Bolt M5×10	5	
23	20021039	护网 Protecting	1	
24	10011971	大垫圈 12 Large washer 12	3	
25	10000650	螺栓 M12×35 Bolt M12×35	3	
26	10000626	螺栓 M10×30 Bolt M10×30	3	
27	10000434	弹垫 10 Spring washer 10	2	
28	20021037	中回止板 Locking board	1	
29	20021034	挡泥板组件 Fender Assembly	1	
30	10000605	螺栓 M8×12 Bolt M8×12	5	
31	10024582	内六角圆柱头螺钉 Hexagon socket head	4	
32	10023241	小齿轮 Pinion	1	
33	10011970	大垫圈 10 Large washer 10	1	

工作装置 1

WORKING EQUIPMENT 1



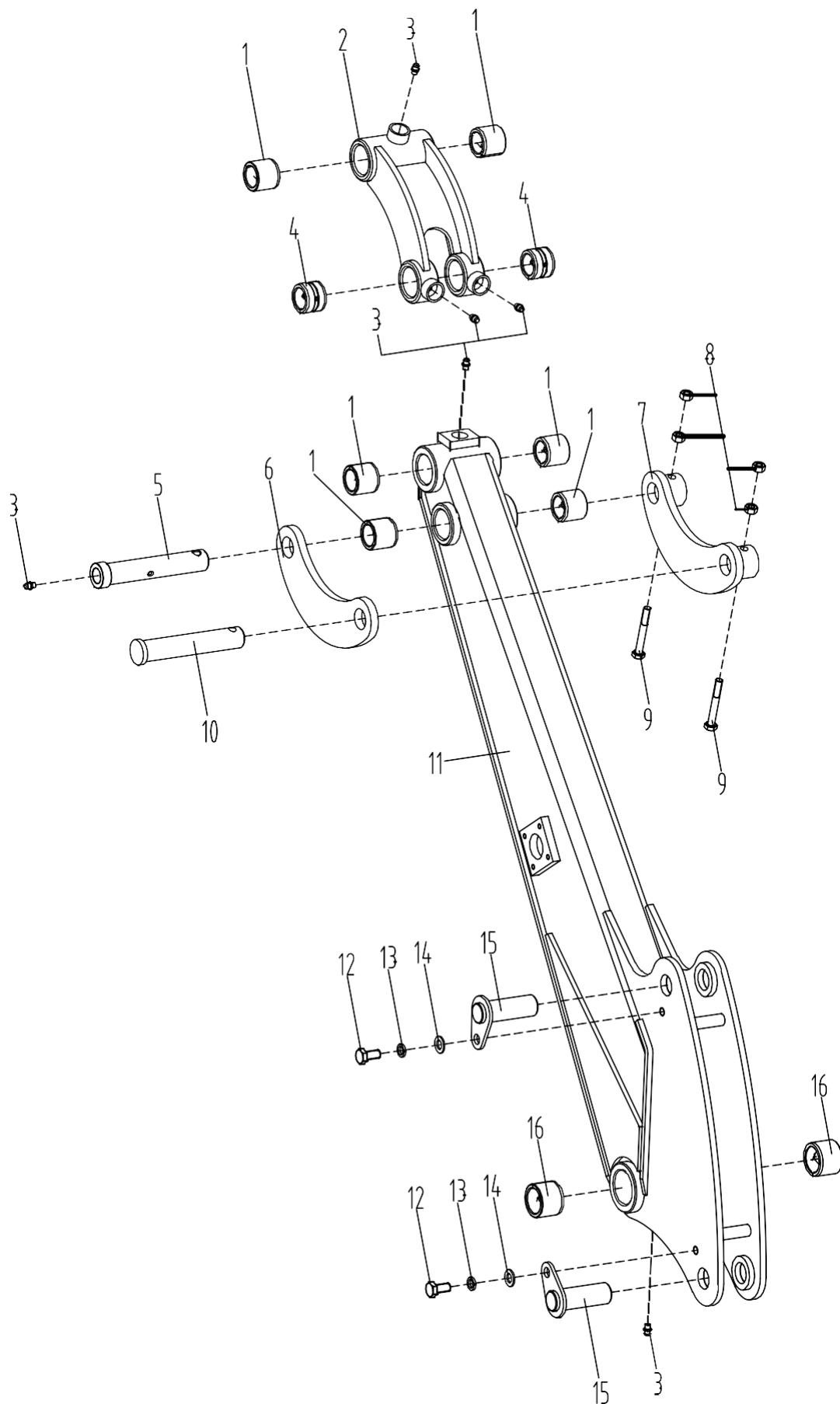
工作装置1

WORKING EQUIPMENT 1

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	10025028	螺栓M8×80	Bolt M8×80	3
2	10024598	螺母M8	Nut M8	6
3	10025002	动臂前叉销轴	Boom fork Shaft Pin	1
4	20020926	动臂	Boom	1
5	10025003	斗杆油缸销轴 I	Arm cylinder pin I	1
6	10024538	垫圈10	Washer 10	2
7	10024575	垫圈10	Washer 10	2
8	10024576	螺栓 M10×16	Bolt M10×16	2
9	10024999	动臂油缸销轴 I	Boom cylinder pin I	1
10	10025000	动臂油缸销轴 II	Boom cylinder pin II	1
11	10025001	动臂后座销轴	Boom rear pin	1
12	10023693	油杯	Oil cup	1
13	10025007	动臂护套	Boom boot	3

工作装置 2

WORKING EQUIPMENT 2

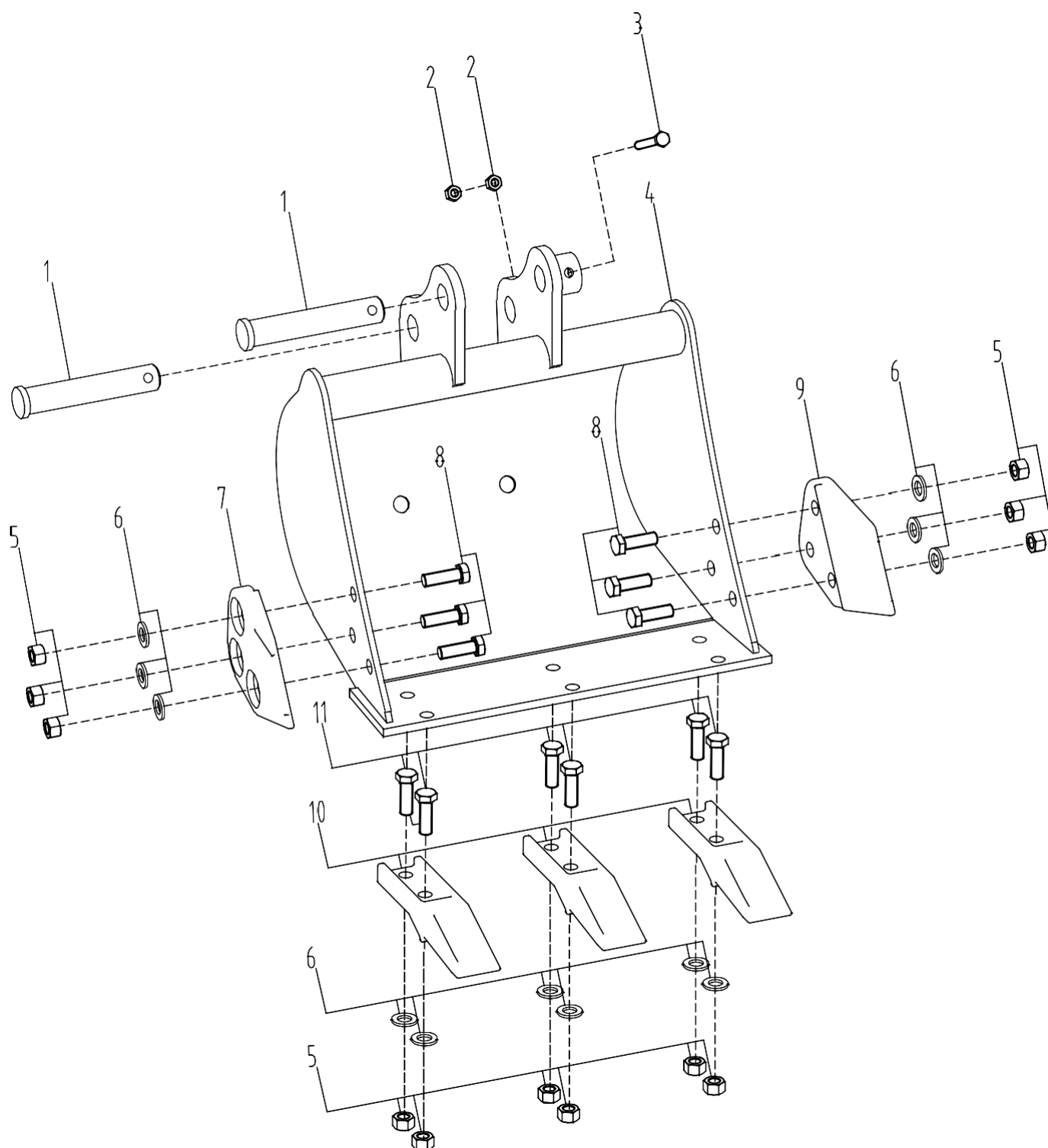


工作装置2

WORKING EQUIPMENT 2

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks	
1	10023951	动臂后座轴套	Rear seat of boom bushing	6	
2	20020963	连杆焊合	Connecting rod	1	
3	10023693	油杯	Oil cup	6	
4	10023958	连杆轴套	Connecting rod Bushing	2	
5	10025006	摇杆销轴	Rocker pin	1	
6	20020967	摇杆	Rocker-arm	1	
7	20020966	摇杆焊合	Rocker-arm	1	
8	10000545	螺母M8	Nut M8	4	
9	10024565	螺栓M8×60	Bolt M8×60	2	
10	10023957	铲斗销轴	Bucket pin	1	
11	20020937	斗杆	Arm	1	
12	10024576	螺栓M10×16	Bolt M10×16	2	
13	10024575	垫圈10	Washer 10	2	
14	10024538	垫圈10	Washer 10	2	
15	10025004	斗杆油缸销轴 II	Arm cylinder pin II	2	
16	10025005	斗杆后座轴套	Rear seat of arm bushing	2	

工作装置 3
WORKING EQUIPMENT 3



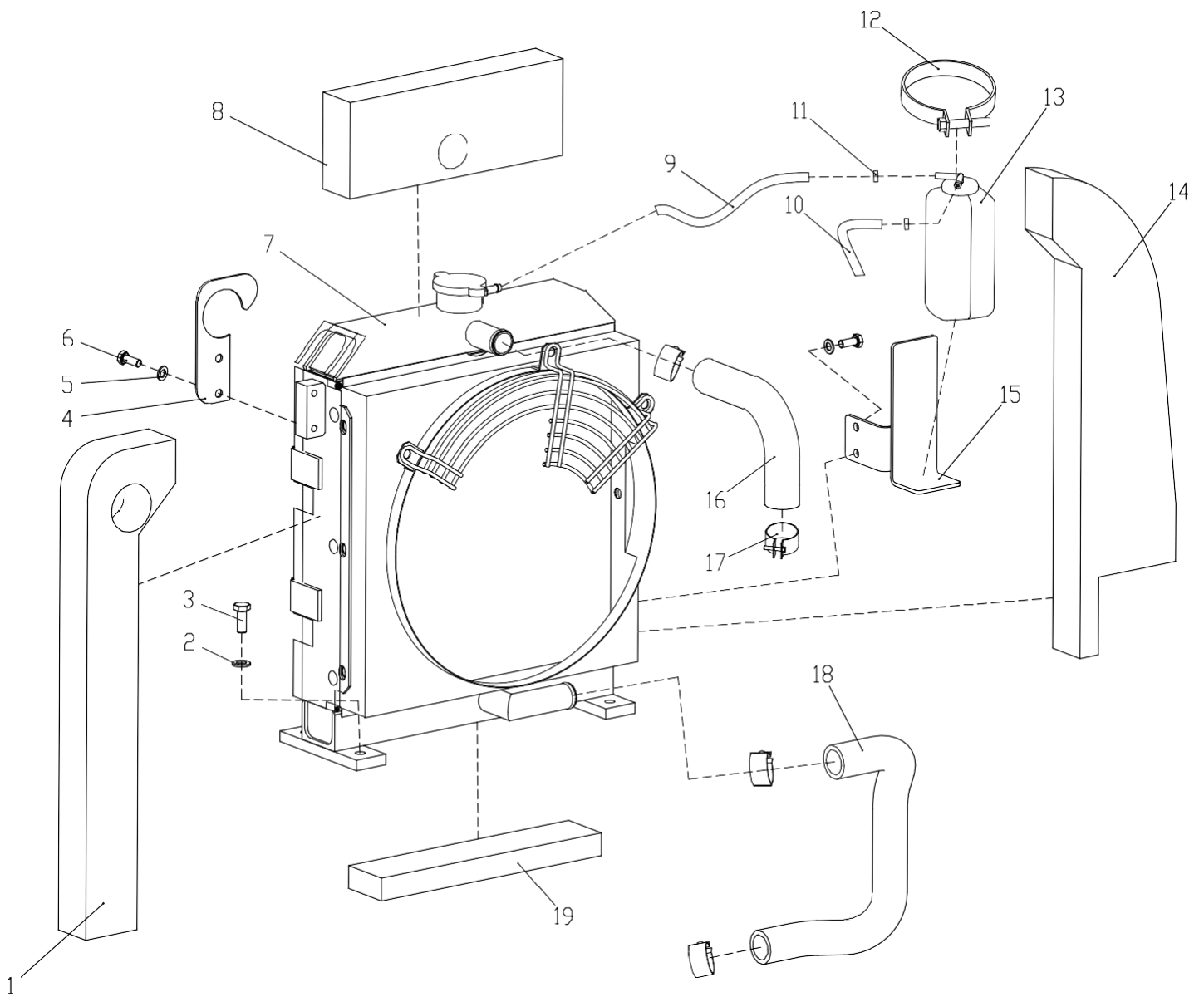
工作装置3

WORKING EQUIPMENT 3

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	10023957	铲斗销轴 Backhoe bucket shaft pi	2	
2	10000545	螺母M8 Nut M8	4	
3	10024565	螺栓M8×60 Bolt M8×60	2	
4	20020957	铲斗 Backhoe bucket	1	
5	10024563	螺母M12 Nut M12	12	
6	10024537	垫圈12 Washer 12	12	
7	10023489	左侧齿 Lefer Cutter	1	
8	10024564	螺栓M12×35 Bolt M12×35	6	
9	10023488	右侧齿 Ringt Cutter	1	
10	10013269	斗齿 Cutter	3	
11	10025029	螺栓M12×40 Bolt M12×40	6	

散热系统

RADIATOR ASSEMBLY



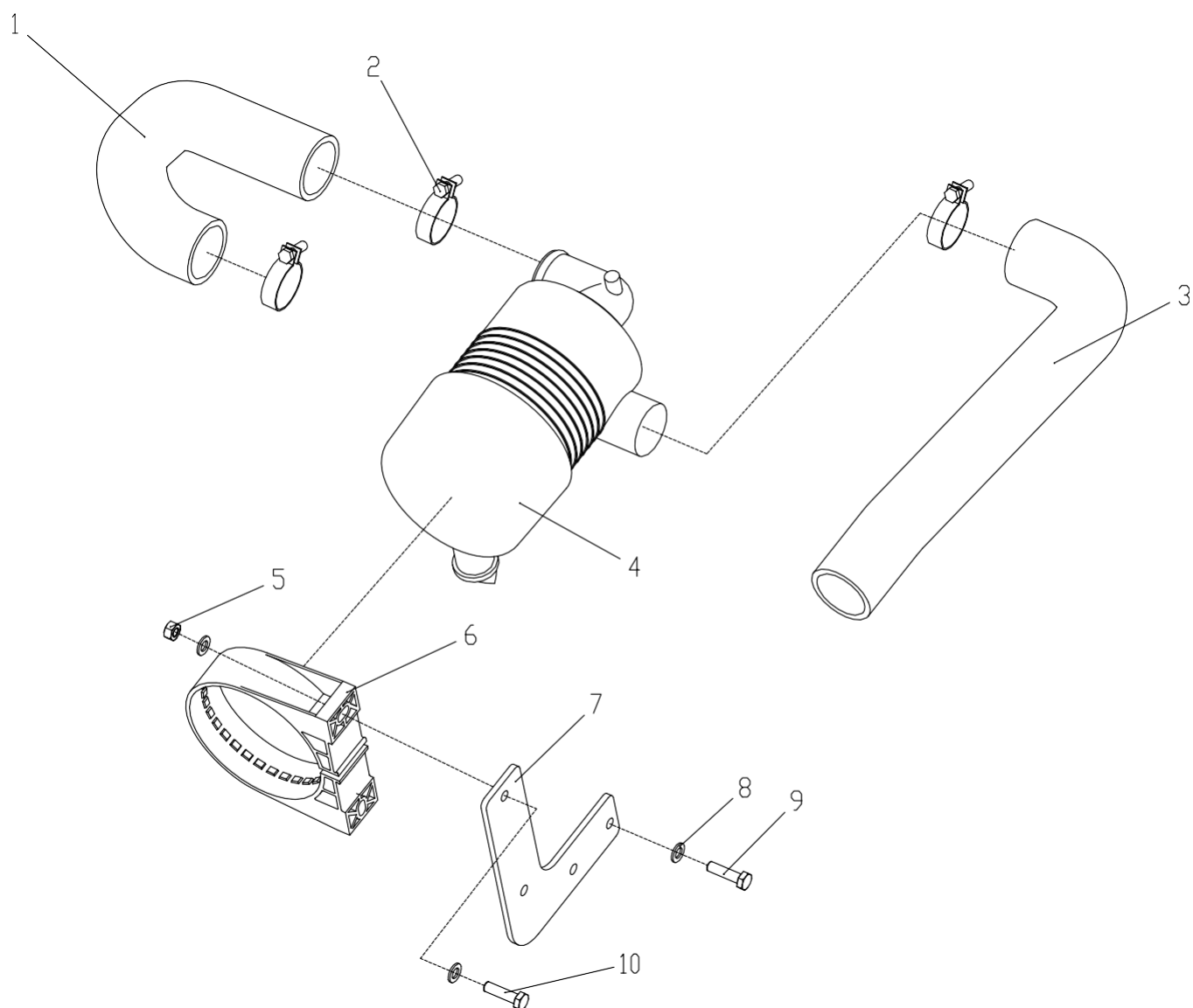
散热系统

RADIATOR ASSEMBLY

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	20020869	右侧海绵 Right heat-insulation space	1	
2	10000420	垫圈10 Washer 10	3	
3	10000622	螺栓 M10×25 Blot M10×25	3	
4	20020870	进气管支撑板 Intake pipe support plate	1	
5	10000419	垫圈8 Washer 8	4	
6	10000607	螺栓 M8×20 Blot M8×20	4	
7	10025470	散热器总成 Radiator	1	
8	20020871	上侧海绵 Top heat-insulation spacer	1	
9	10016904	黑色橡胶管Φ11×7 Black rubber tube	1	
10	10006138	透明管 Transparent tube	1	
11	10010191	喉箍8-12 Clamp8-12	3	
12	10000580	喉箍70-90 Clamp70-90	2	
13	10013741	副水箱组件 Auxiliary radiator assembly	1	
14	20020872	左侧海绵 Left heat-insulation spacer	1	
15	20020866	副水箱支架 Auxiliary radiator support	1	
16	10024986	上水管 Upper water pipe	1	
17	10000574	喉箍25-40 Clamp 25-40	4	
18	10024987	下水管 Lower water pipe	1	
19	20020873	下侧海绵 Below heat-insulation spacer	1	

进气系统

AIR INLET SYSTEM



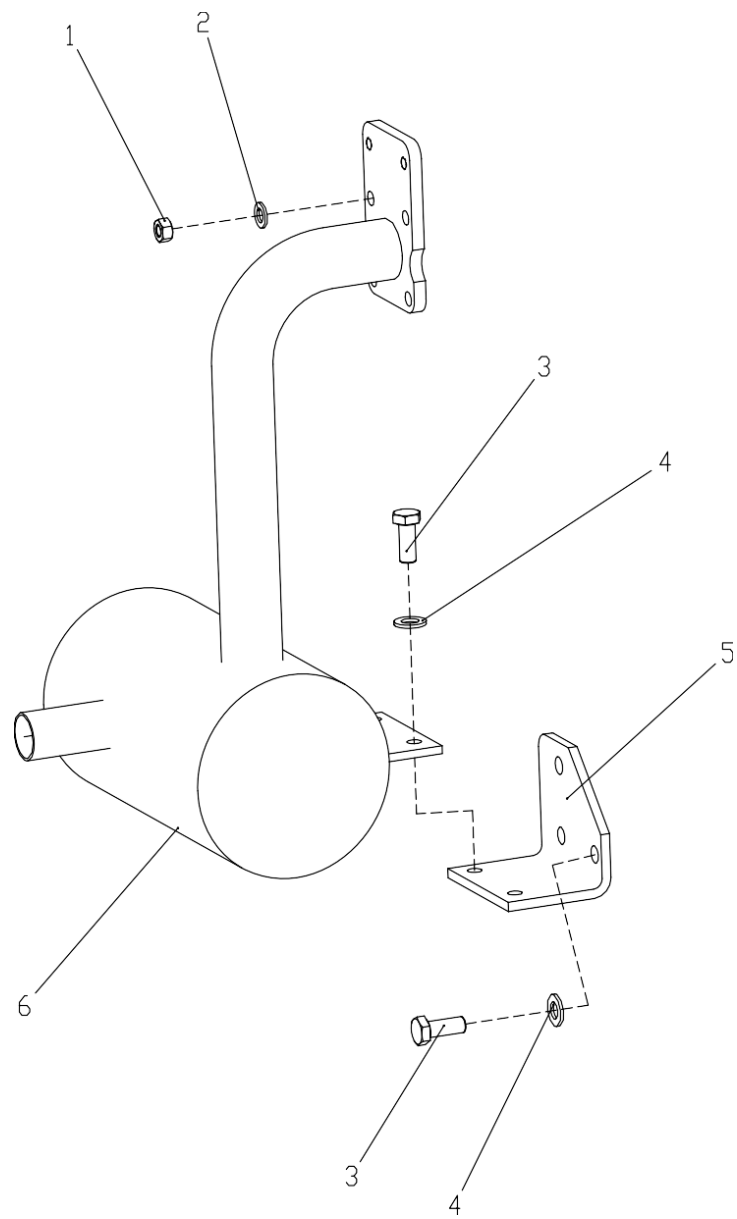
进气系统

AIR INLET SYSTEM

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	10024988	进气管I Air inlet hose I	1	
2	10001132	喉箍40-60 Clamp40-60	3	
3	10024989	进气管II Air inlet hose II	1	
4	10025436	空气滤清器 Air filter	1	
5	10000545	I型六角螺母M8 I type hexagon nut M8	2	
6	10024150	抱箍 Hoop	1	
7	20020874	空滤器支架 Air filter support	1	
8	10000419	平垫8 Washer 8	6	
9	10000607	螺栓M8×20 Bolt M8×20	2	
10	10000609	螺栓M8×30 Bolt M8×30	2	

排气系统

EXHAUST SYSTEM



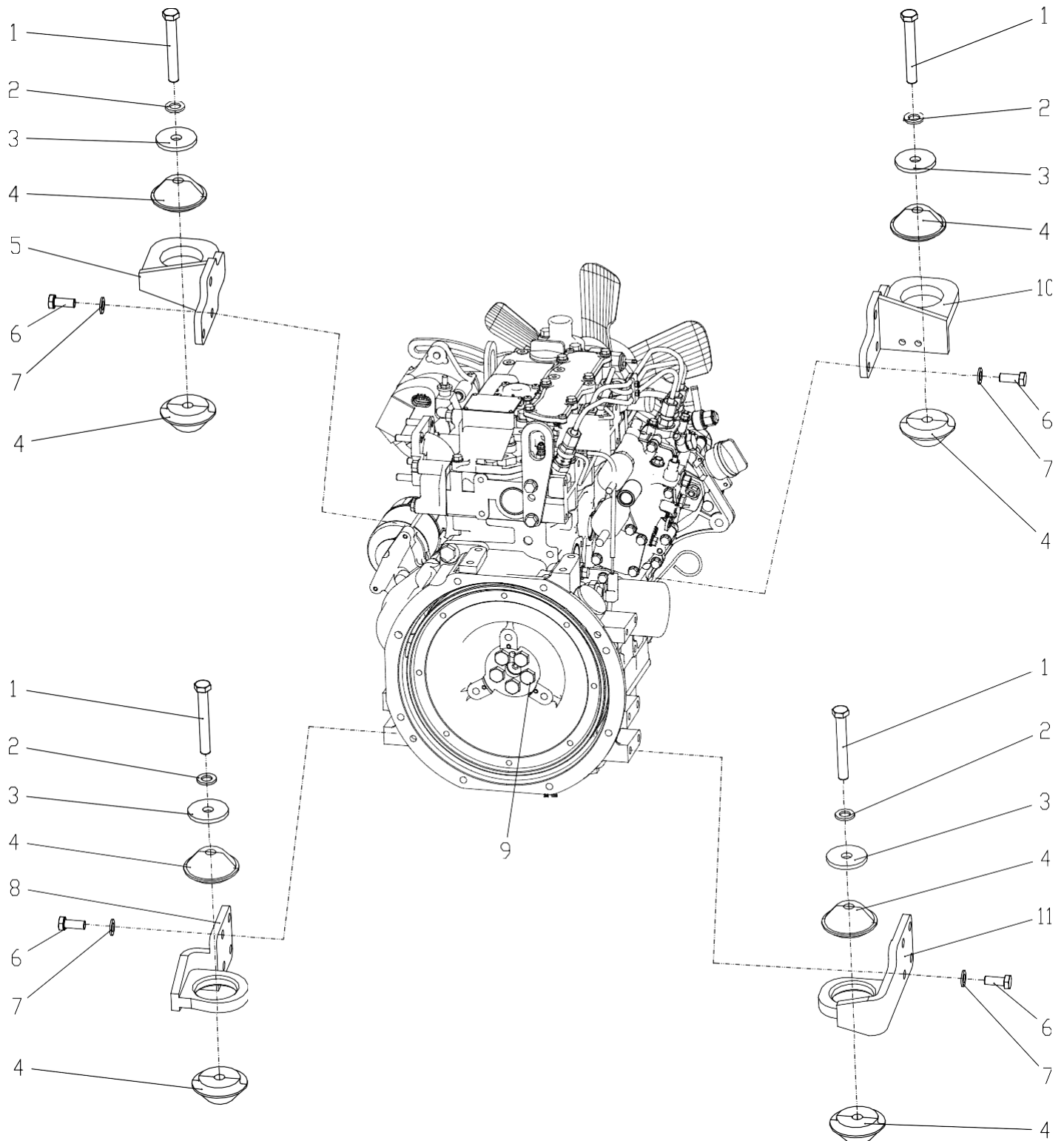
排气系统

EXHAUST SYSTEM

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	10000545	I型六角螺母M8 I type hexagon nut M8	4	
2	10000419	平垫8 Washer8	4	
3	10000621	螺栓M10×25 Bolt M10×25	5	
4	10000420	平垫10 Washer10	5	
5	20021613	消音器支撑板 Muffler support plate	1	
6	10024990	消声器 Antirattler	1	

支撑系统

SUPPORT SYSTEM



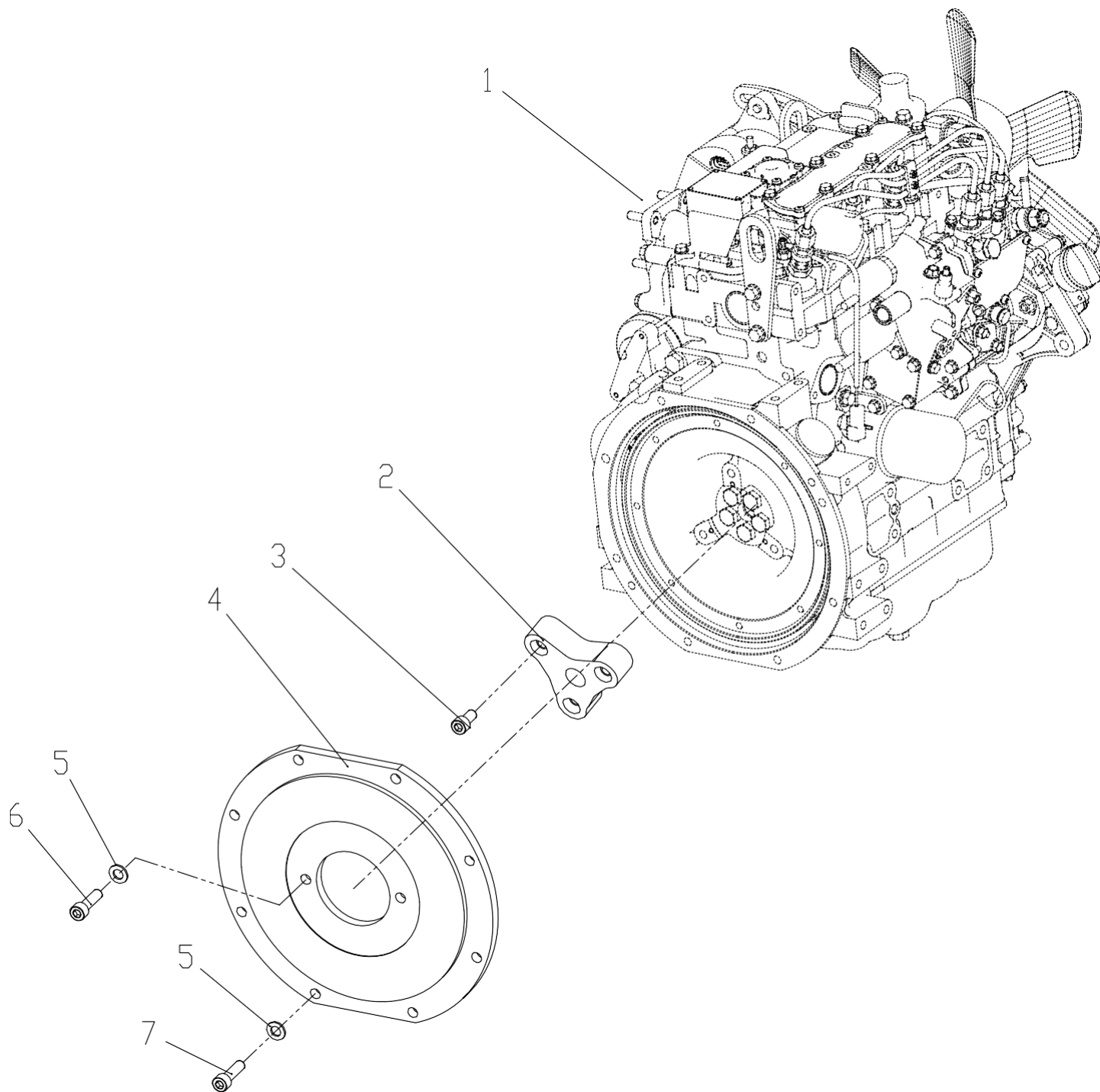
支撑系统

SUPPORT SYSTEM

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	10012520	螺栓M12×90 Bolt M12×90	4	
2	10000421	平垫12 Washer 12	4	
3	20004124	减震器垫 Rear shock absorber sup	4	
4	10014855	减震器 Rear shock absorber	8	
5	20011563	左前支架 Front left support	1	
6	10000622	螺栓M10×25 Bolt M10×25	16	
7	10000420	平垫10 Washer 10	16	
8	20011571	左后支架 Left rear support	1	
9	10014801	柴油机 Diesel engine	1	
10	20011567	右前支架 Right front support	1	
11	20011575	右后支架 Right rear support	1	

动力输出系统

POWER OUTPUT SYSTEM



动力输出系统

POWER OUTPUT SYSTEM

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	10014801	柴油机 Diesel engine	1	
2	10024991	联轴器 Flywheel connector	1	
3	10007086	螺栓M10×35 Blot M10×35	3	
4	20020075	飞轮壳连接盘 Connecting disc of	1	
5	10000420	平垫10 Washer 10	10	
6	10000720	螺栓M10×25 Blot M10×25	2	
7	10007085	螺栓M10×30 Blot M10×30	8	

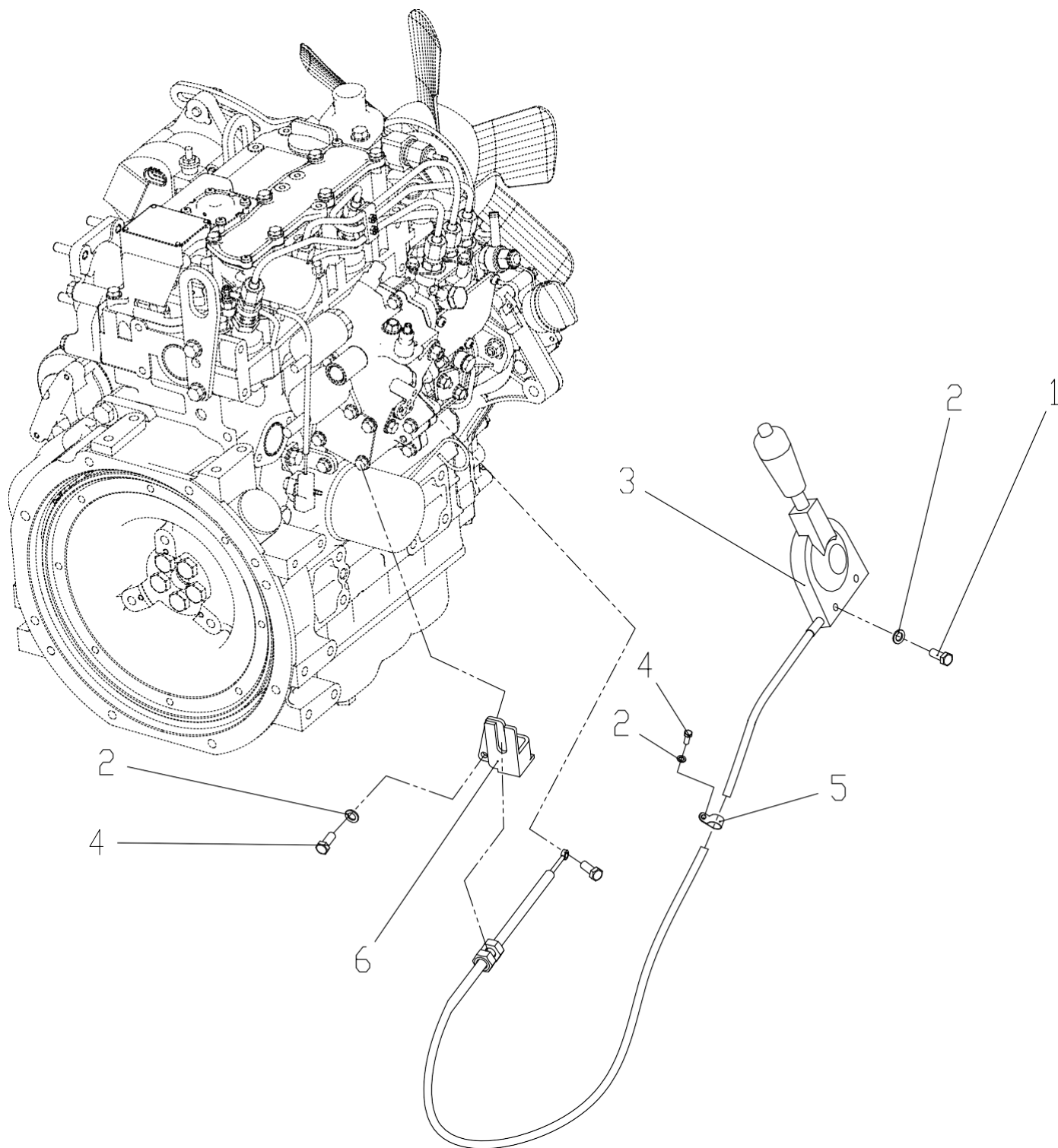
燃油系统

FUEL SYSTEM

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	10000609	螺栓M8×30 Bolt M8×30	2	
2	10000419	平垫8 Washer 8	6	
3	10015881	柴油滤芯 Fuel filter	1	
4	10016450	弹簧卡箍 Φ14 Spring clamp Φ14	1	
5	10012989	柴油管 Φ8 Fuel pipe Φ8	1.5m	
6	10012701	波纹管 corrugated pipe	1.5m	
7	10000613	螺栓M8×50 Bolt M8×50	1	
8	20021744	柴滤支架 Fuel filter support	1	
9	10024992	回油软管 Fuel out pipe	1	
10	10022673	油箱锁盖 Oil filler lock	1	
11	10022672	滤网 Filter	1	
12	10001120	螺栓M5×12 Bolt M5×12	5	
13	10000417	平垫5 Washer 5	5	
14	10000431	弹垫5 Washer 5	5	
15	10020337	电子泵 Solenoid pump	1	
16	10000418	平垫6 Washer 6	4	
17	10000597	螺栓M6×16 Bolt M6×16	4	
18	10000592	铰接螺栓 M14×1.5 Link bolt M14×1.5	2	
19	10000447	组合垫 14.4×20×2 Washer 14.4×20×2	4	
20	20020877	燃油箱 Fuel tank	1	
21	10000420	平垫10 Washer 10	4	
22	10000622	螺栓M10×25 Bolt M10×25	4	
23	10001534	接头 Connector	1	
24	10001581	接头 Connector	1	
25	10024155	出油软管 Fuel in pipe	1	
26	10009162	固定式卡箍 Fixed clamp	1	
27	10006694	螺栓M8×65 Bolt M8×65	1	
28		油水分离器滤芯 Deliler filter	1	
29	10000607	螺栓M8×20 Bolt M8×20	2	
30	20020885	油水分离器支架 Deliler filter support	1	

油门操纵系统

GUN CONTROL SYSTEM



油门操纵系统

GUN CONTROL SYSTEM

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	10000603	螺栓M6×40 Bolt M6×40	2	
2	10000418	平垫6 Washer 6	4	
3	10024993	油门控制软轴 Throttle control flexible	1	
4	10000597	螺栓M6×16 Bolt M6×16	4	
5	10022389	涂塑连胶条 Plastic coated strip	2	
6	20020752	油门支架 Gun plank	1	

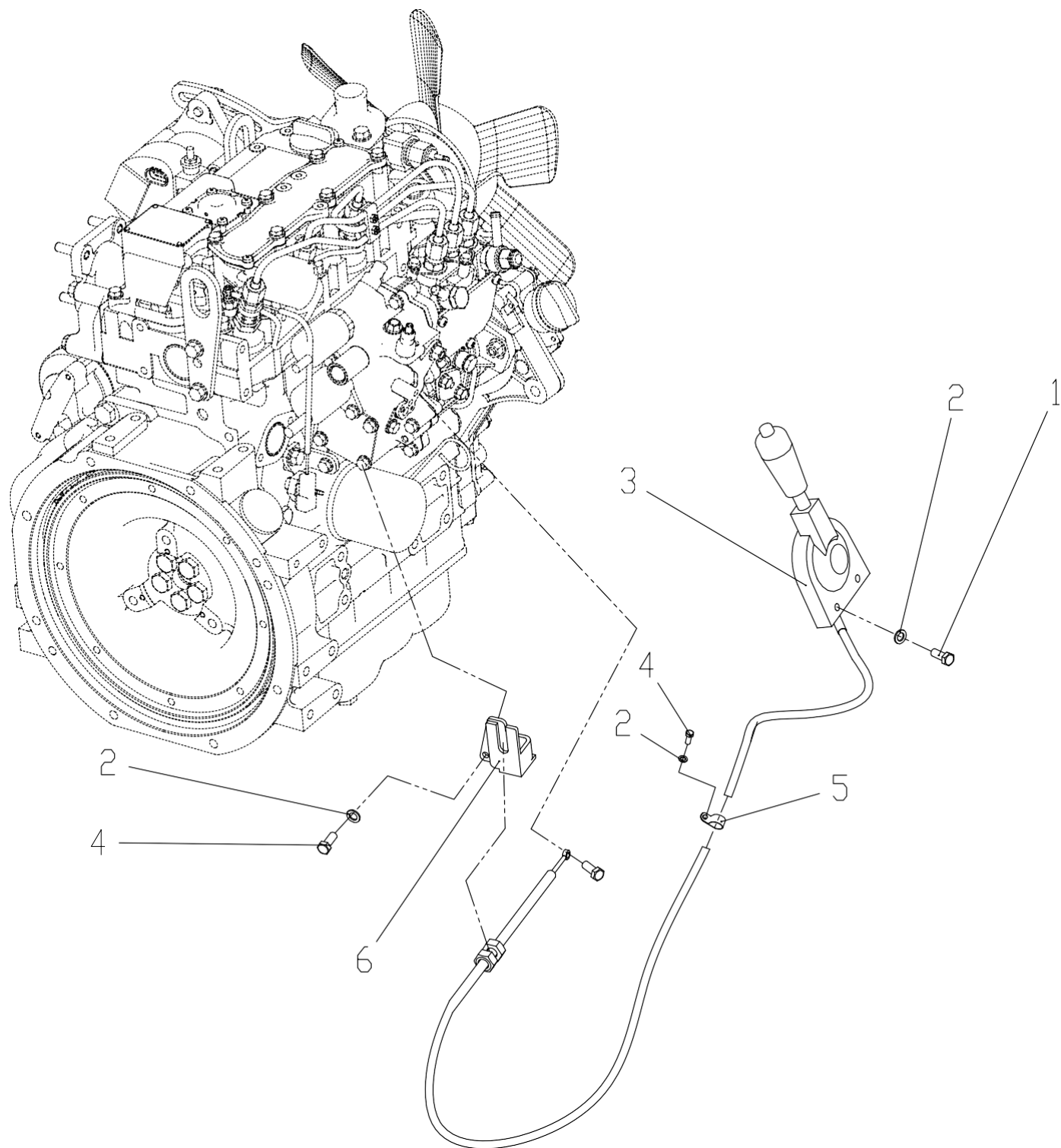
燃油系统

FUEL SYSTEM

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	10000609	螺栓M8×30 Bolt M8×30	2	
2	10000419	平垫8 Washer 8	6	
3	10015881	柴油滤芯 Fuel filter	1	
4	10016450	弹簧卡箍 Φ14 Spring clamp Φ14	1	
5	10012989	柴油管 Φ8 Fuel pipe Φ8	1.5m	
6	10012701	波纹管 corrugated pipe	1.5m	
7	10000613	螺栓M8×50 Bolt M8×50	1	
8	20021744	柴滤支架 Fuel filter support	1	
9	10024992	回油软管 Fuel out pipe	1	
10	10022673	油箱锁盖 Oil filler lock	1	
11	10022672	滤网 Filter	1	
12	10001120	螺栓M5×12 Bolt M5×12	5	
13	10000417	平垫5 Washer 5	5	
14	10000431	弹垫5 Washer 5	5	
15	10020337	电子泵 Solenoid pump	1	
16	10000418	平垫6 Washer 6	4	
17	10000597	螺栓M6×16 Bolt M6×16	4	
18	10000592	铰接螺栓 M14×1.5 Link bolt M14×1.5	2	
19	10000447	组合垫 14.4×20×2 Washer 14.4×20×2	4	
20	20022620	燃油箱 Fuel tank	1	
21	10000420	平垫10 Washer 10	4	
22	10000622	螺栓M10×25 Bolt M10×25	4	
23	10001534	接头 Connector	1	
24	10001581	接头 Connector	1	
25	10024155	出油软管 Fuel in pipe	1	
26	10009162	固定式卡箍 Fixed clamp	1	
27	10006694	螺栓M8×65 Bolt M8×65	1	
28		油水分离器滤芯 Deliler filter	1	
29	10000607	螺栓M8×20 Bolt M8×20	2	
30	20020885	油水分离器支架 Deliler filter support	1	

油门操纵系统

GUN CONTROL SYSTEM



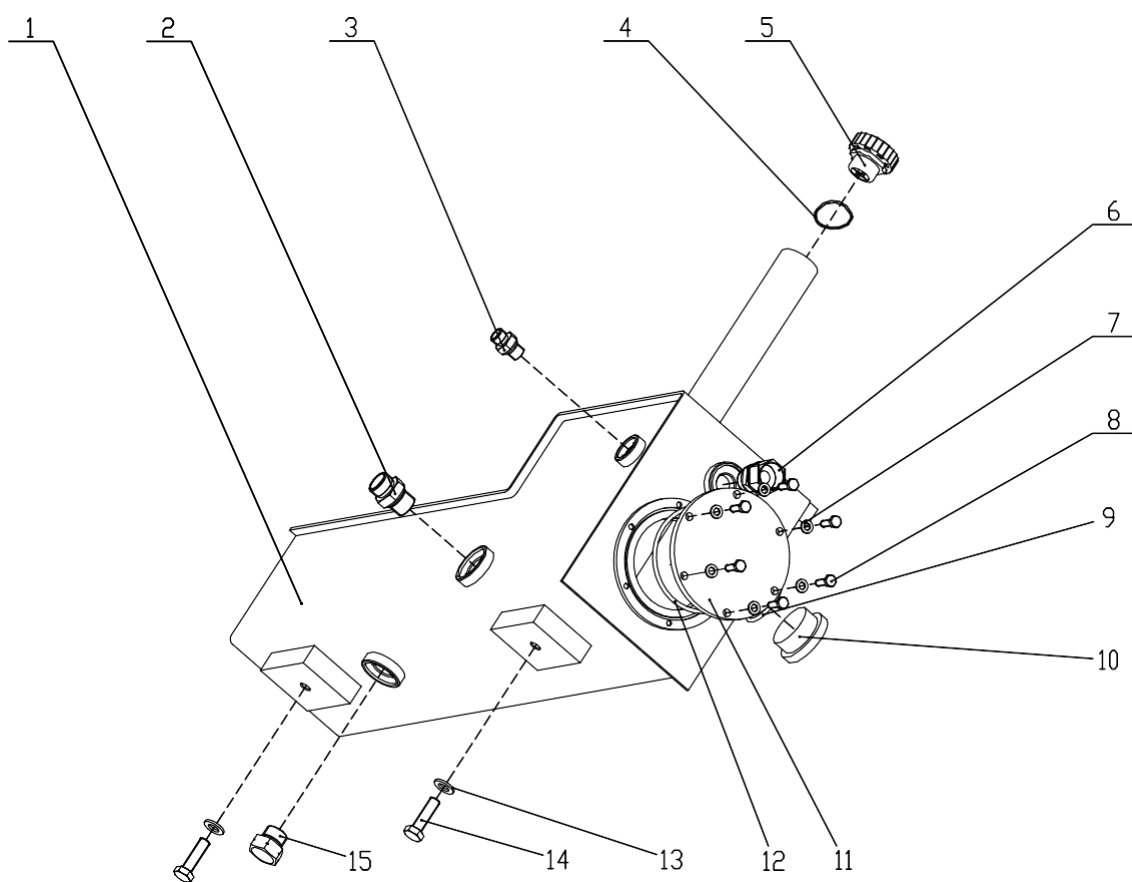
油门操纵系统

GUN CONTROL SYSTEM

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	10000603	螺栓M6×40 Bolt M6×40	2	
2	10000418	平垫6 Washer 6	4	
3		油门控制软轴 Throttle control flexible	1	
4	10000597	螺栓M6×16 Bolt M6×16	4	
5	10022389	涂塑连胶条 Plastic coated strip	2	
6	20020752	油门支架 Gun plank	1	

液压油箱

HYDRAULIC TANK



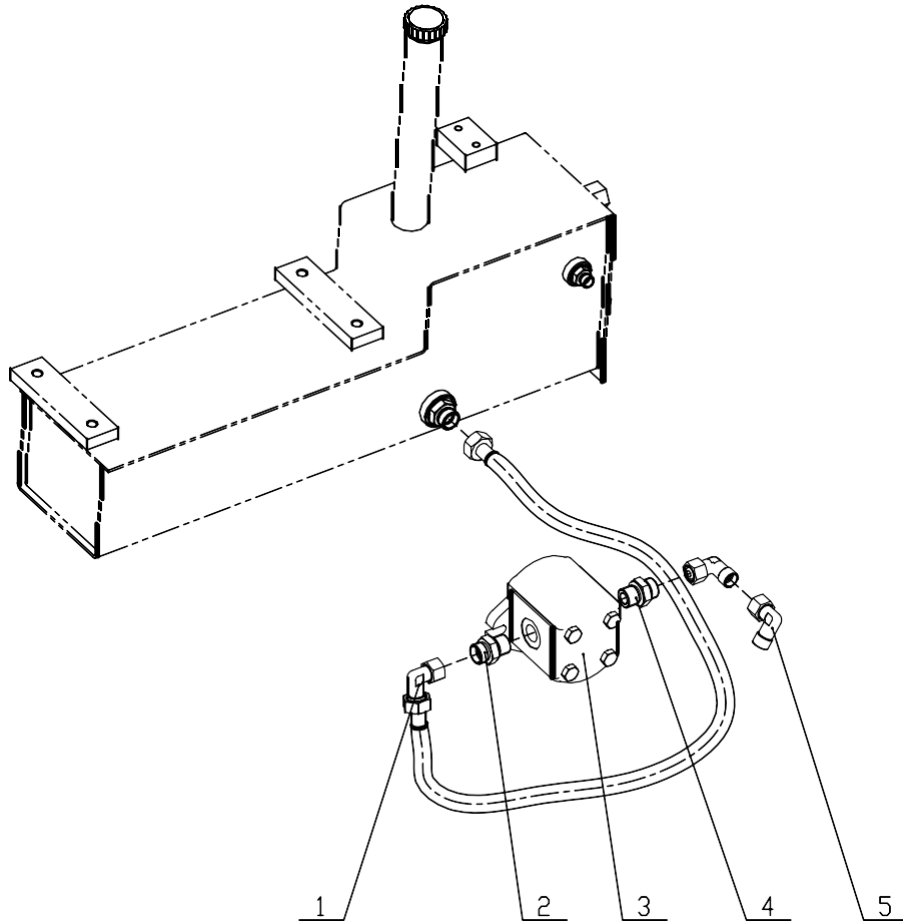
液压油箱

HYDRAULIC TANK

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	20020955	液压油箱 Fuel tank body	1	
2	10001690	接头 1CG-30-08 joint 1CG-30-08	1	
3	10001812	接头 1CG-14-04 joint 1CG-14-04	1	
4	10000451	组合垫 27.5*35*2 Combined Gaskets27.5*35*2	1	
5	10021930	呼吸器 Air clealer	1	
6	10023885	接头 2GC-08-22 joint 2GC-08-22	1	
7	10000418	垫圈6 Washer 6	6	
8	10000597	螺栓 M6×16 Bolt M6×16	6	
9	10001107	O型圈37.5*3.55 O-ring 37.5*3.55	1	
10	10024661	钢化玻璃液位计 Tempered glass level gauge	1	
11	10018161	清洗法兰盖 Clean the flange cover	1	
12	10001109	O型圈92.5*3.55 O-ring 92.5*3.55	1	
13	10000420	垫圈10 Washer 10	2	
14	10000626	螺栓 M10×30 Bolt M10×30	2	
15	10001915	接头 4G-08 joint 4G-08	1	

泵吸油油路

PUMP SUCTION CIRCUIT



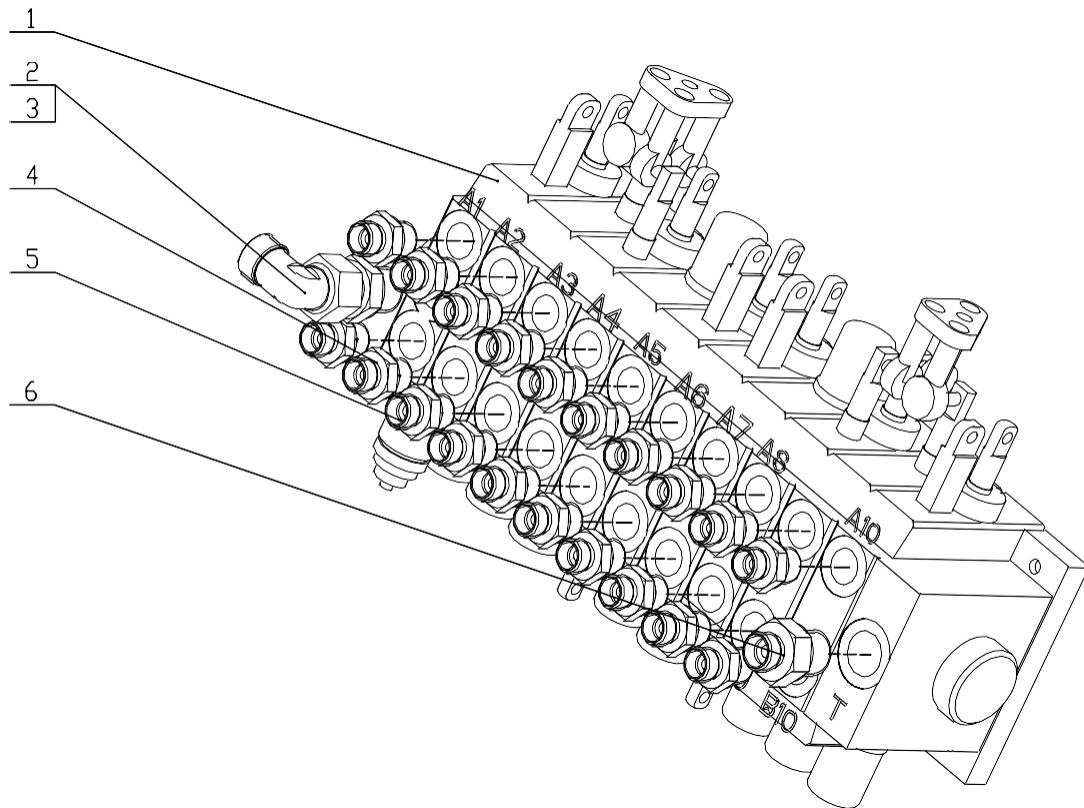
泵吸油油路

PUMP SUCTION CIRCUIT

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	10025626	胶管总成 Rubber pipe assembly	1	
2	10001697	接头 1CG9-30-12OG joint 1CG9-30-12OG	1	
3	10024968	齿轮泵 Gear Pump	1	
4	10001645	接头 1CB-18-08WD joint 1CB-18-08WD	1	
5	10001845	接头 2C9-18 joint 2C9-18	2	

上部液压元件-多路阀

UPPER HYD PART-CONTROL VALVE



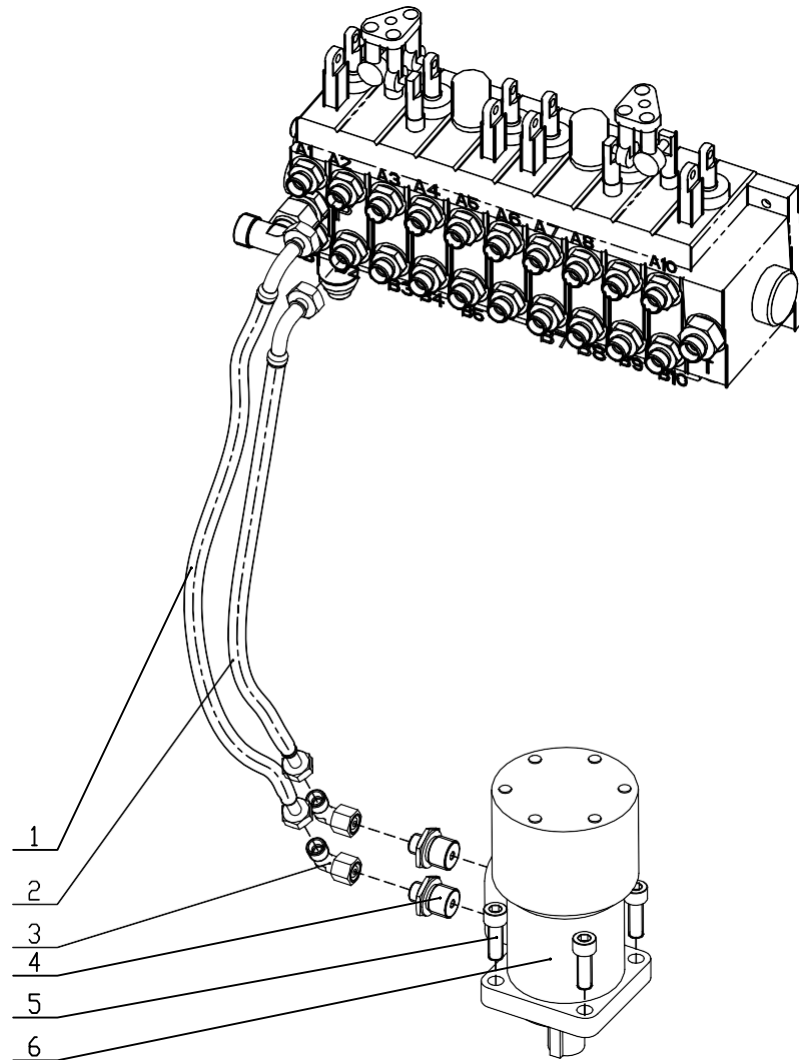
上部液压元件-多路阀总成

UPPER HYD PART-CONTROL VALVE

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	10024965	主阀 Control Valve	1	
2	10001379	接头 1CG9-18-060G joint 1CG9-18-060G	1	
3	10013840	接头挡圈 G3/8 (JIS) Joint ring G3/8 (JIS)	1	
4	10001646	接头 1CB-14-06WD joint 1CB-14-06WD	12	
5	10001842	接头 1CB-16-06WD joint 1CB-16-06WD	8	
6	10001809	接头 1CB-22-08WD joint 1CB-22-08WD	1	

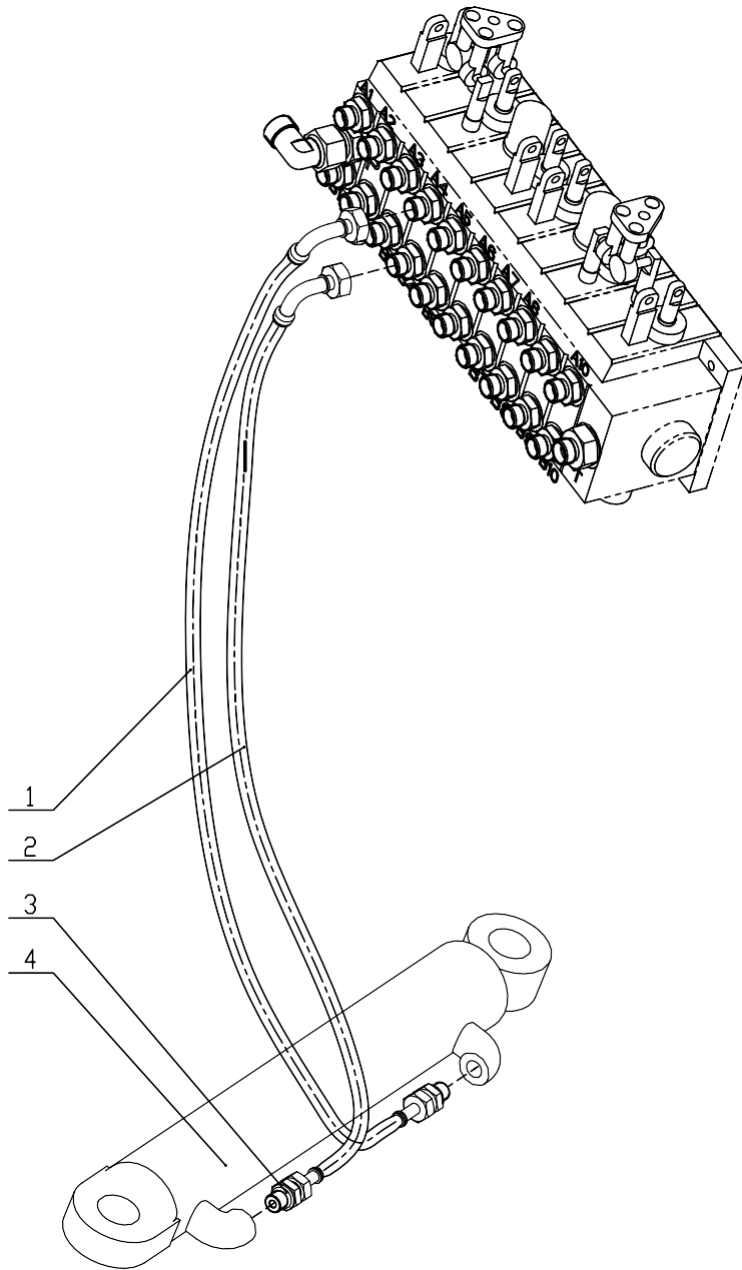
回转马达油路

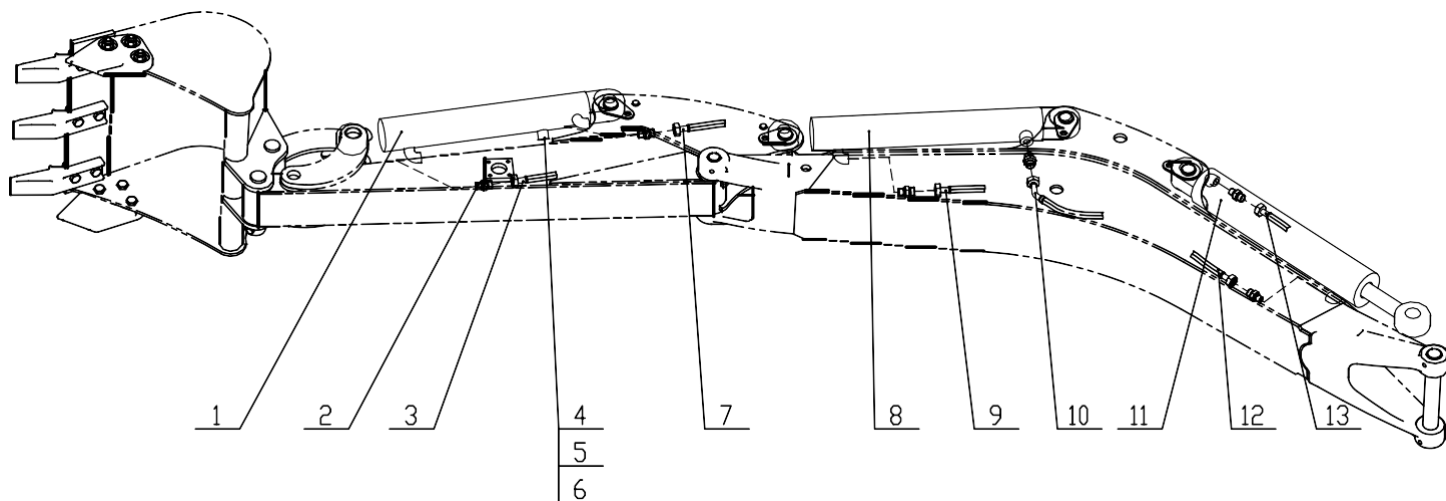
S/MOTOR LINE

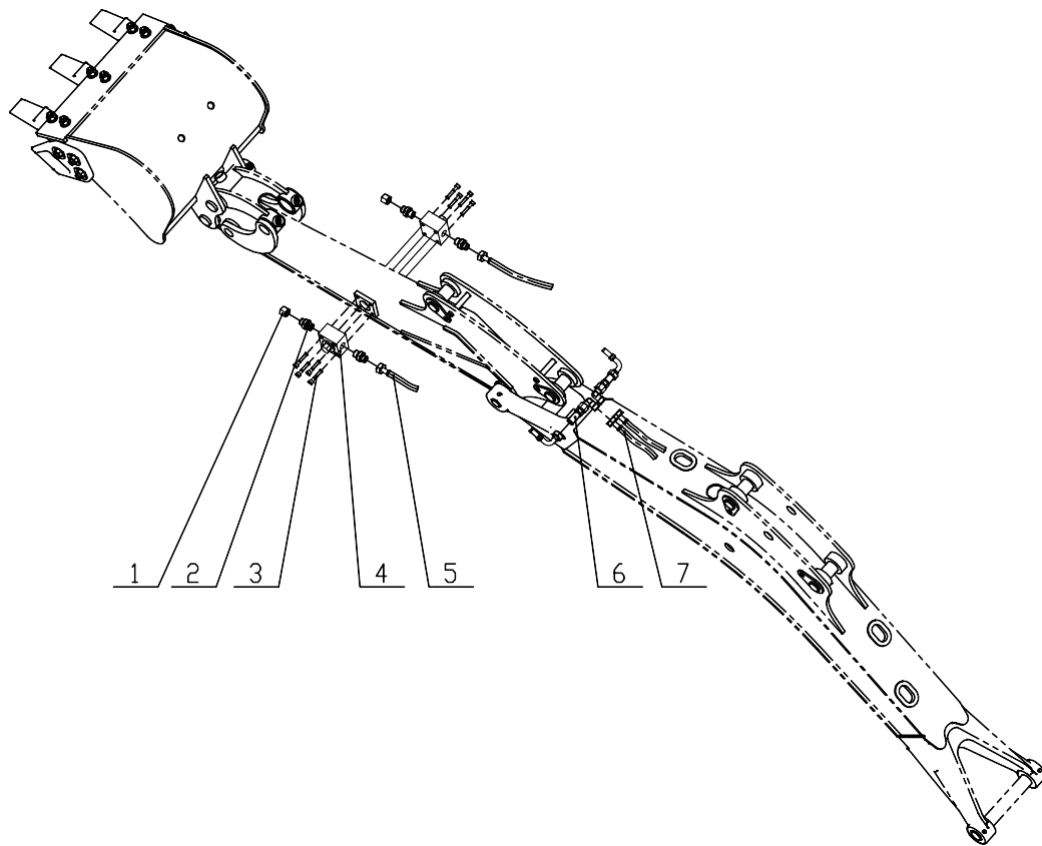


偏转管路

DEFLECTION LINE

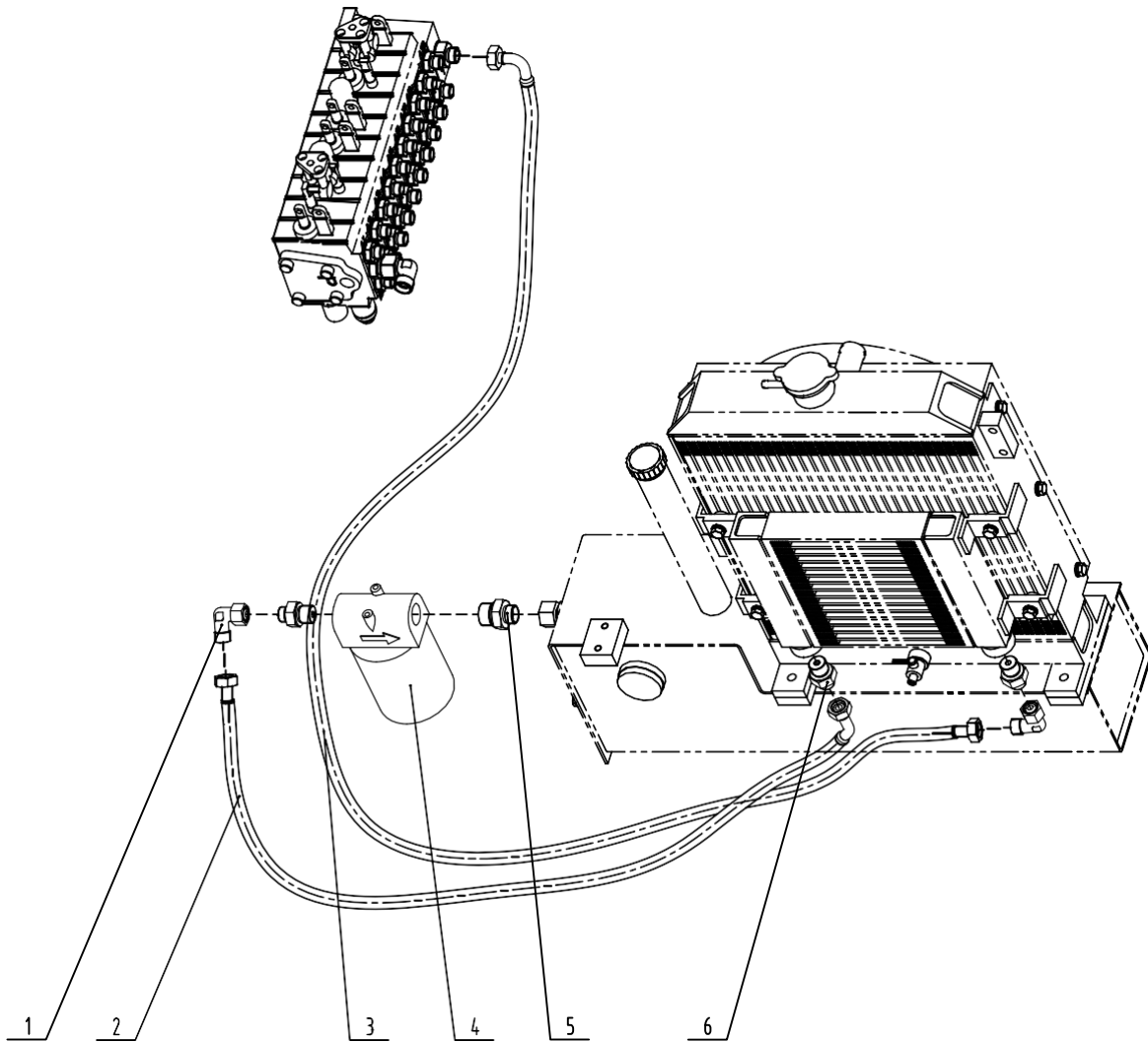






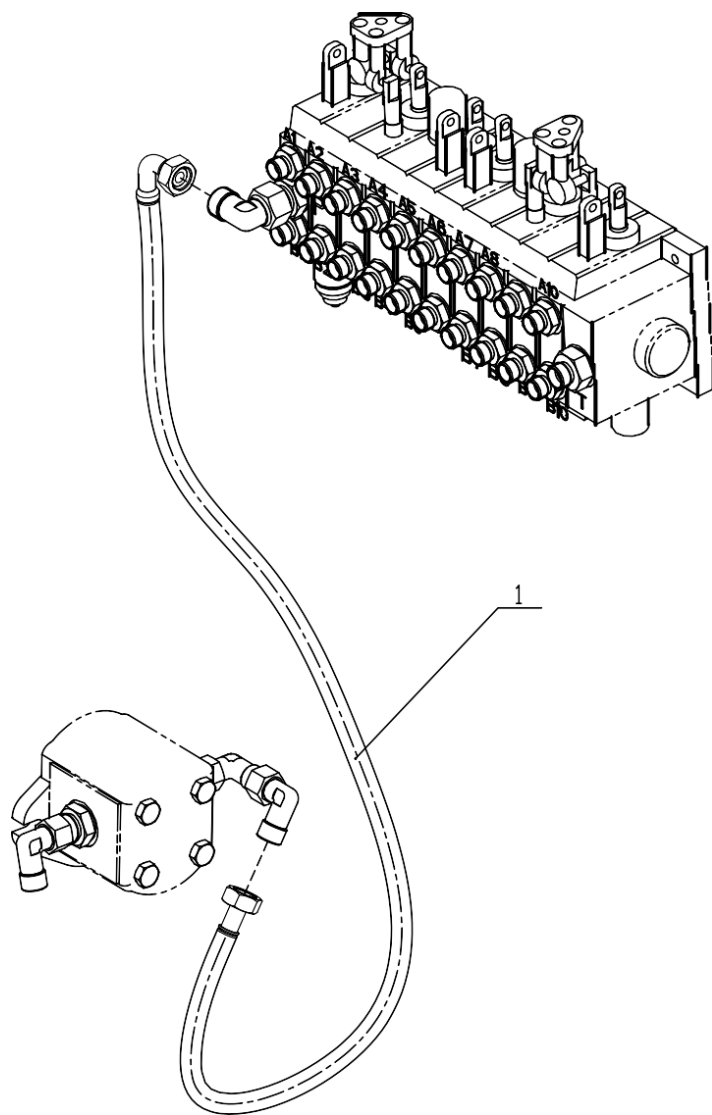
冷却回油油路

COLLING AND RETURN LINE



上部液压管路-液压泵油路

UPPER HYD PIPING-HYD PUMP LINE

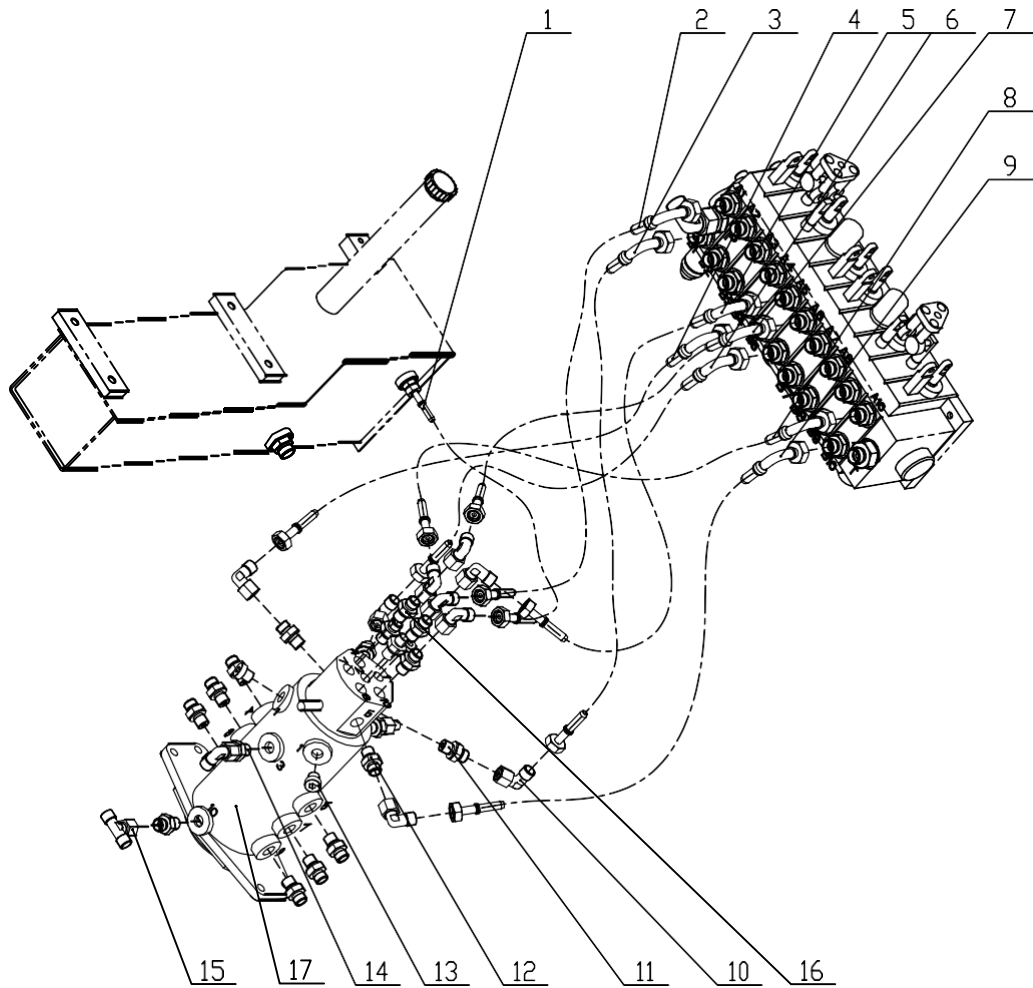


上部液压管路-液压泵油路
UPPER HYD PIPING-HYD PUMP LINE

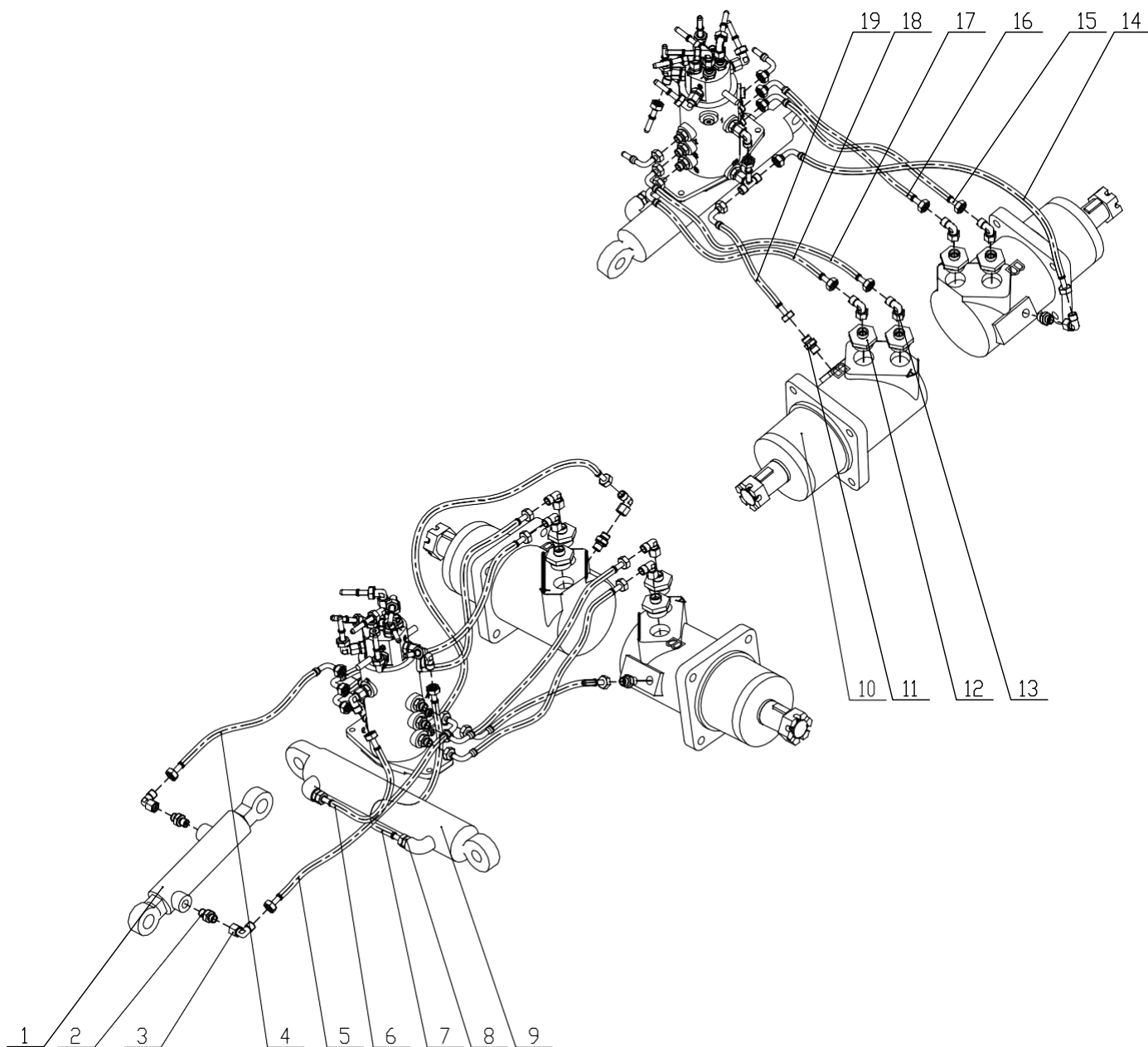
序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	10025613	胶管总成 Rubber pipe assembly	1	

回转接头

T/JOINT LINE

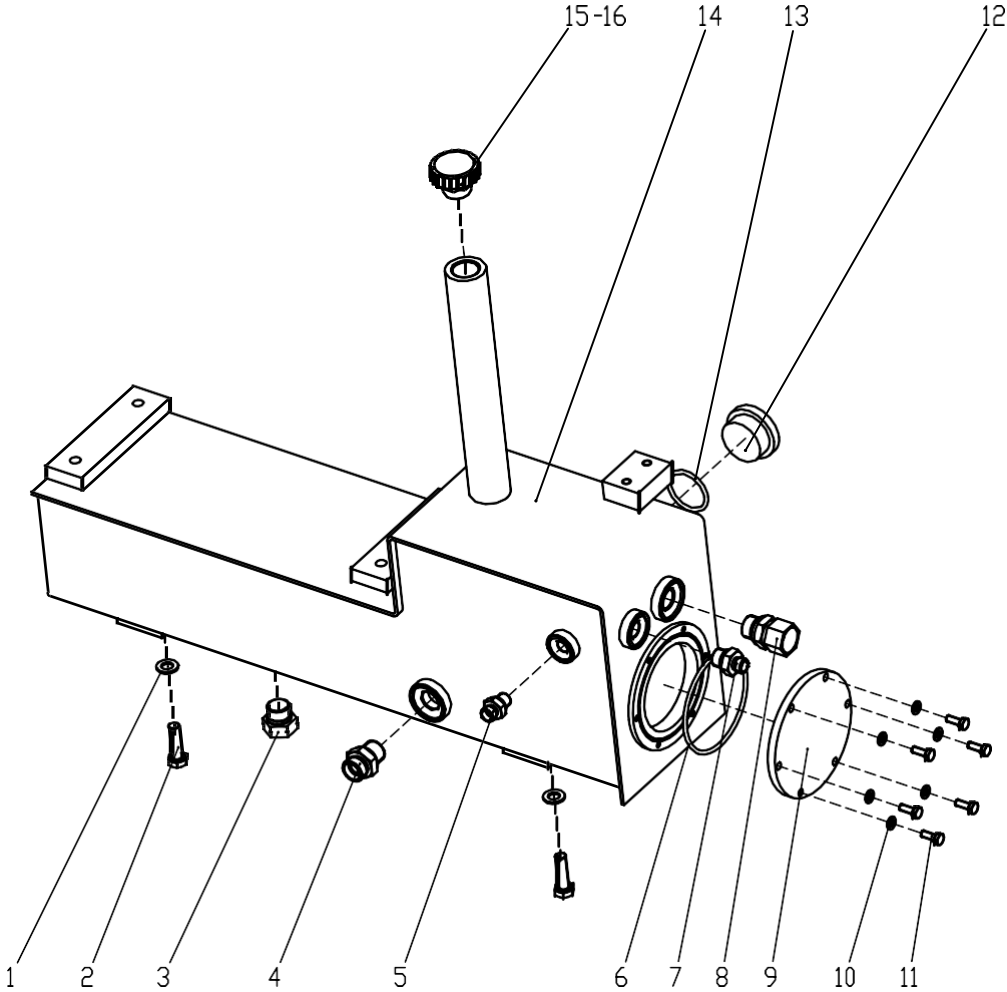


底架液压管路 CHASSIS HYD PIPING



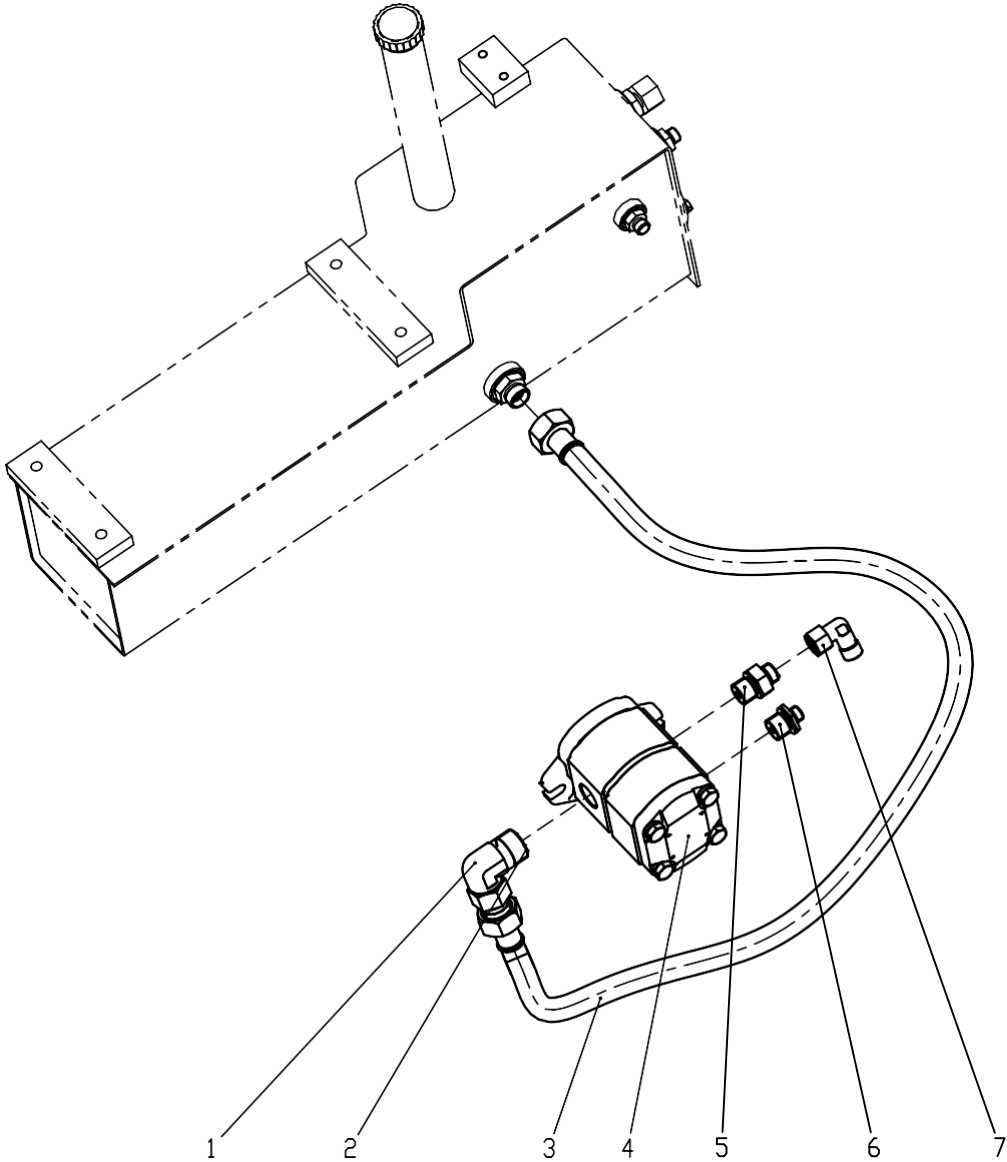
液压油箱

HYDRAULIC TANK



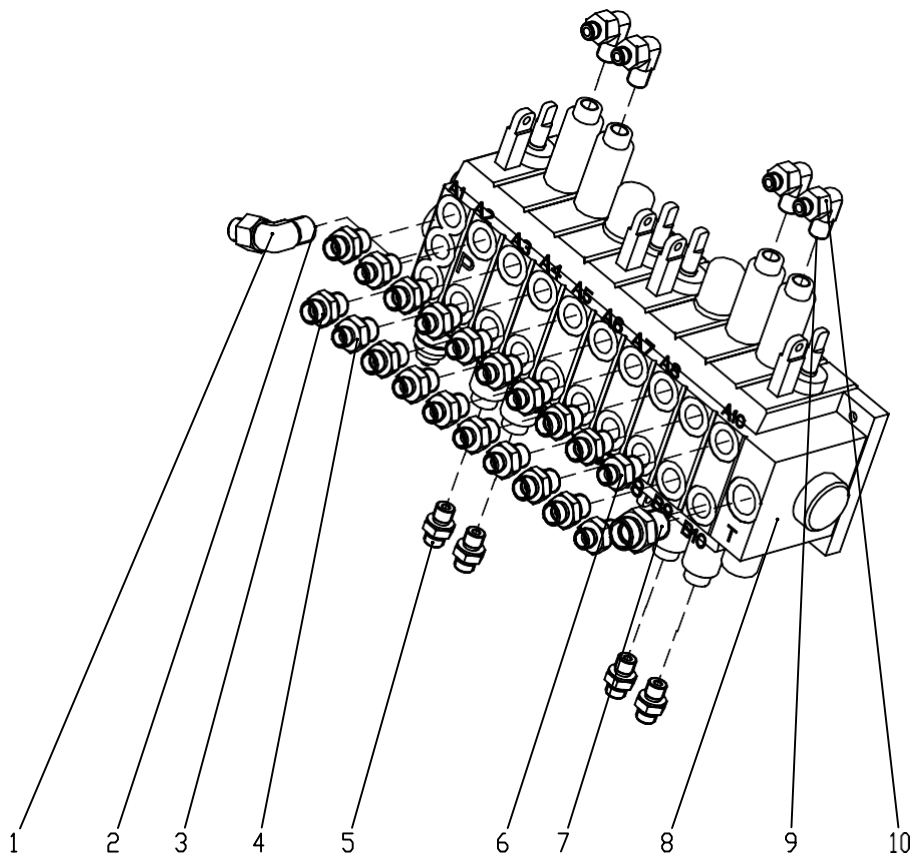
泵吸油油路

PUMP SUCTION CIRCUIT



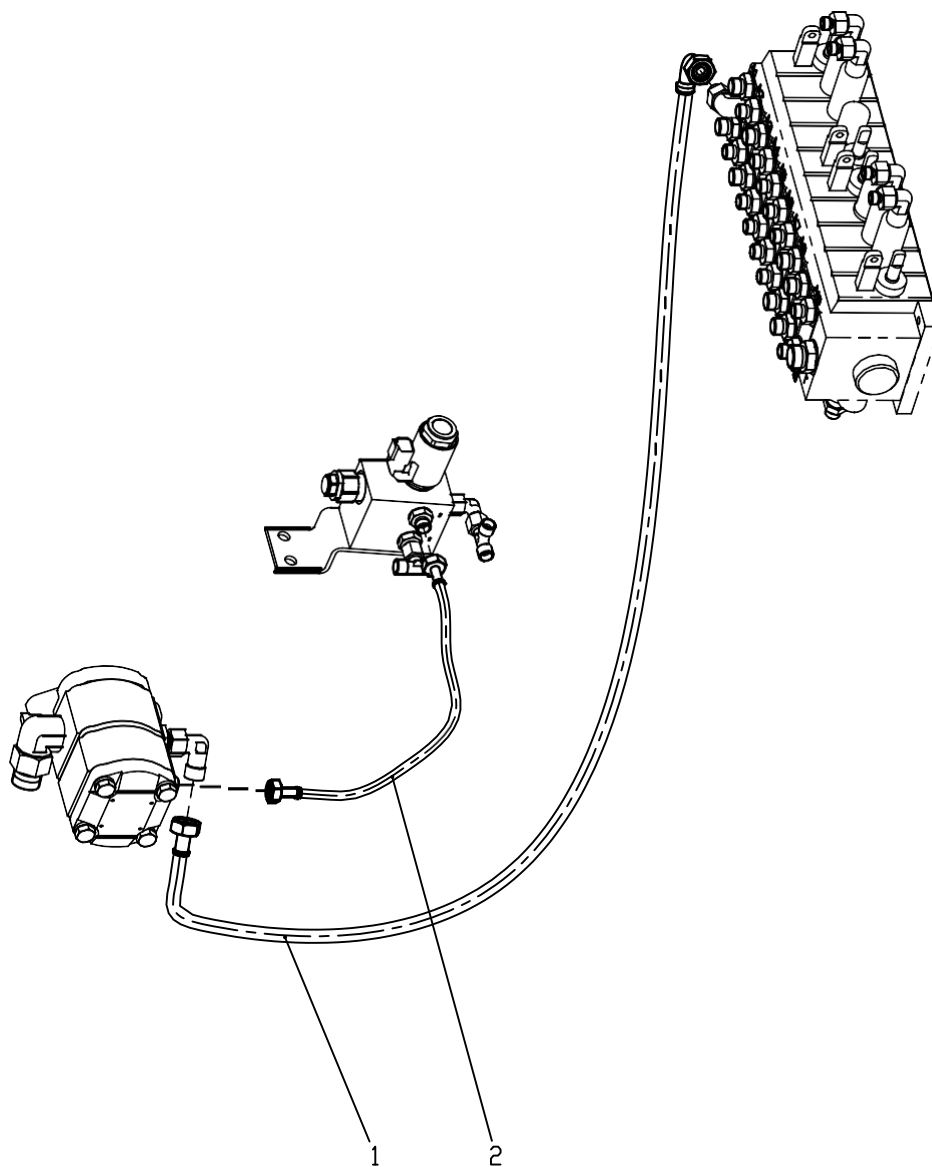
多路阀总成

CONTROL VALVE



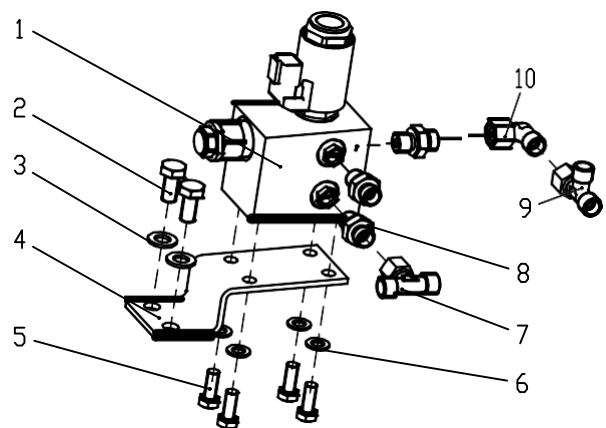
液压泵油路

HYD PUMP LINE



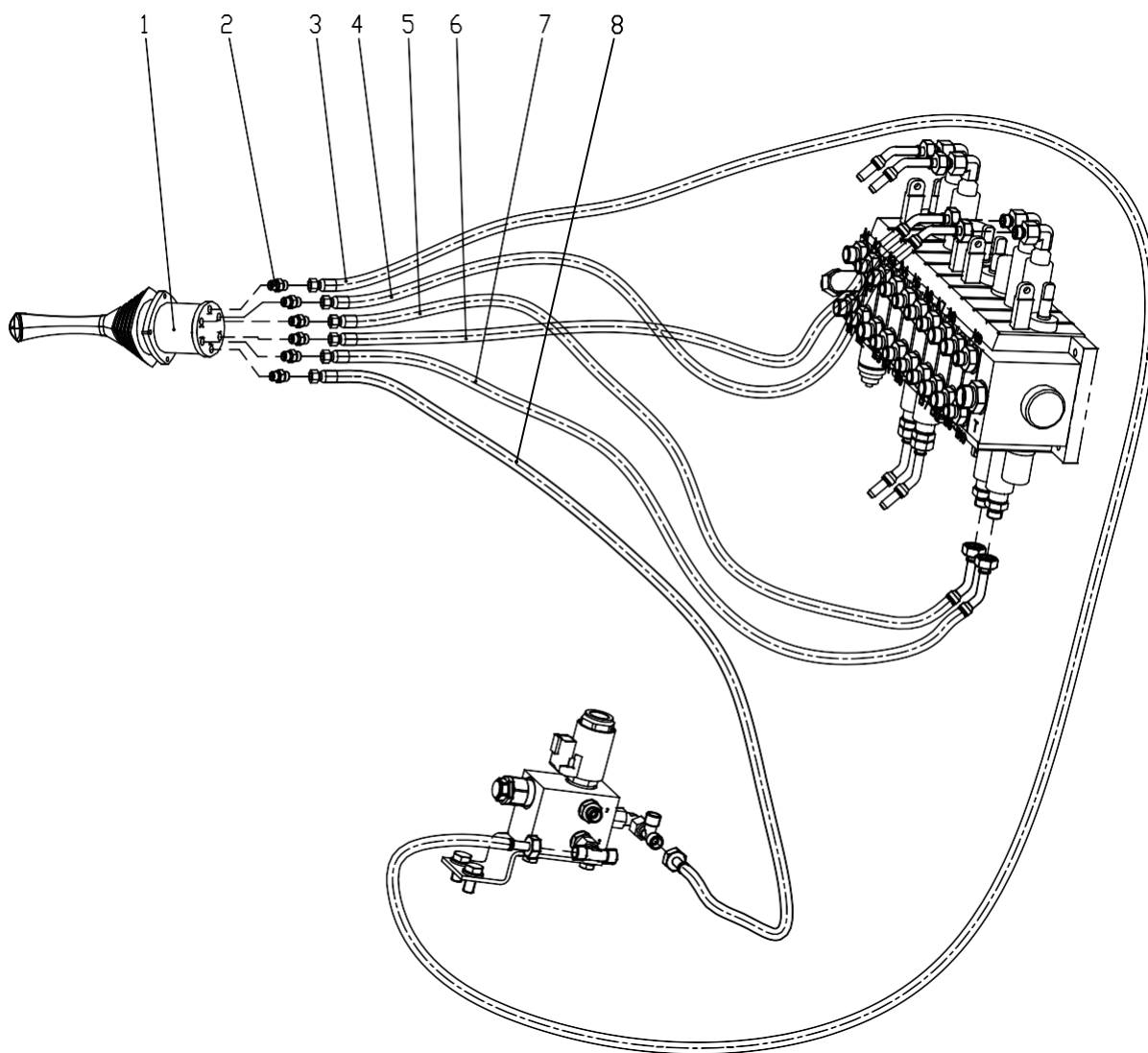
先导油源阀总成

VALVE GP-PILOT OIL SOURCE



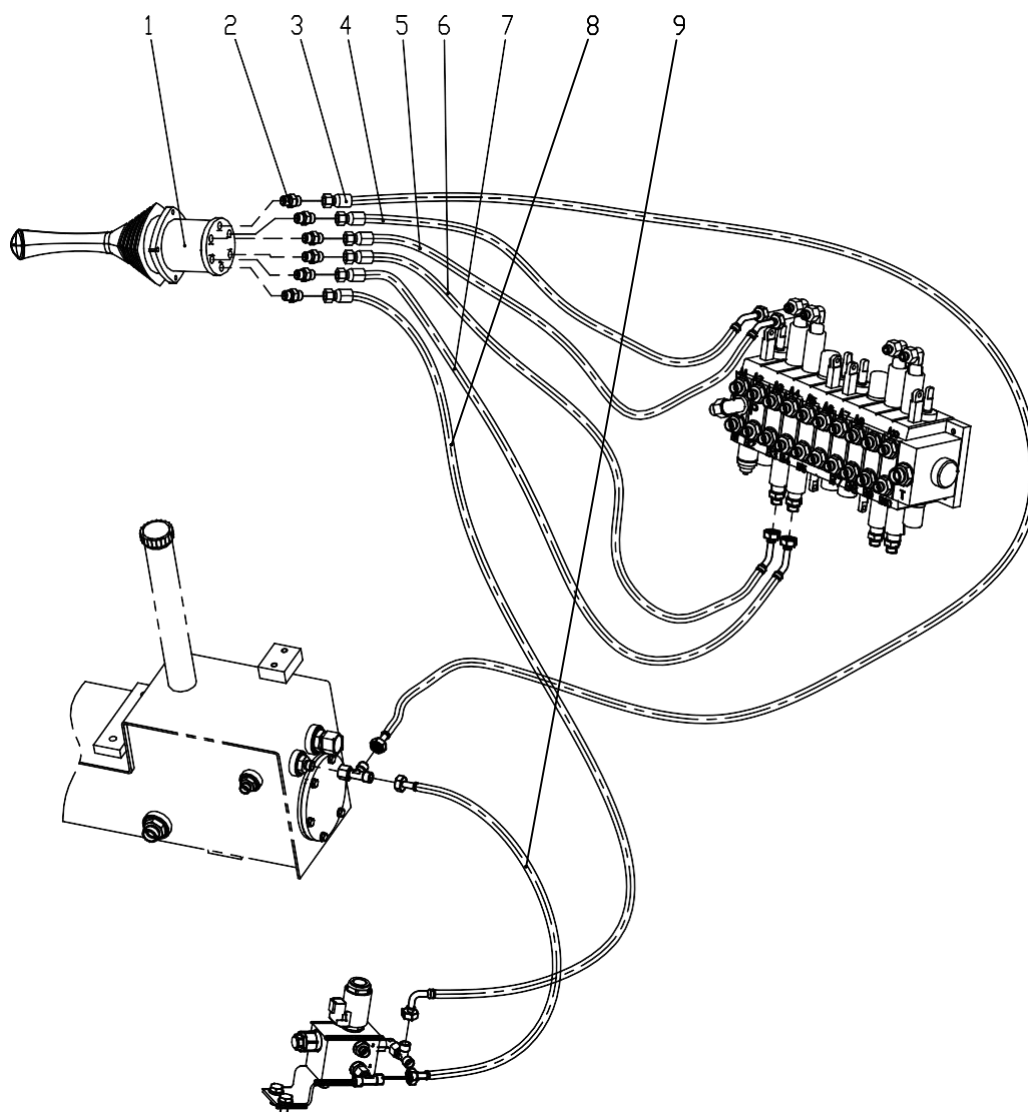
先导液压管路 1

PILOT HYD PIPING 1



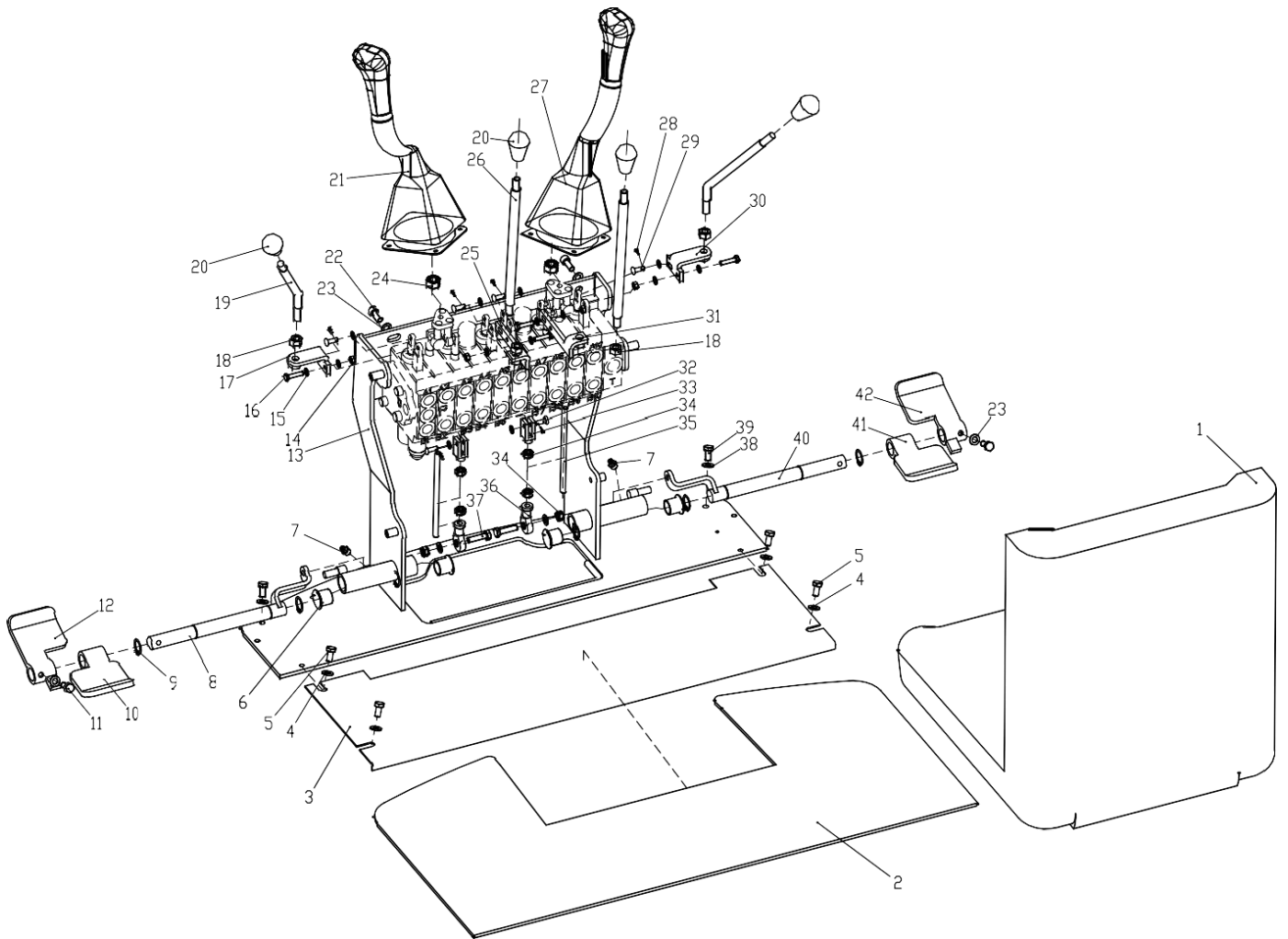
先导液压管路 1

PILOT HYD PIPING 1



操纵总成

CONTROL ASSEMBLY



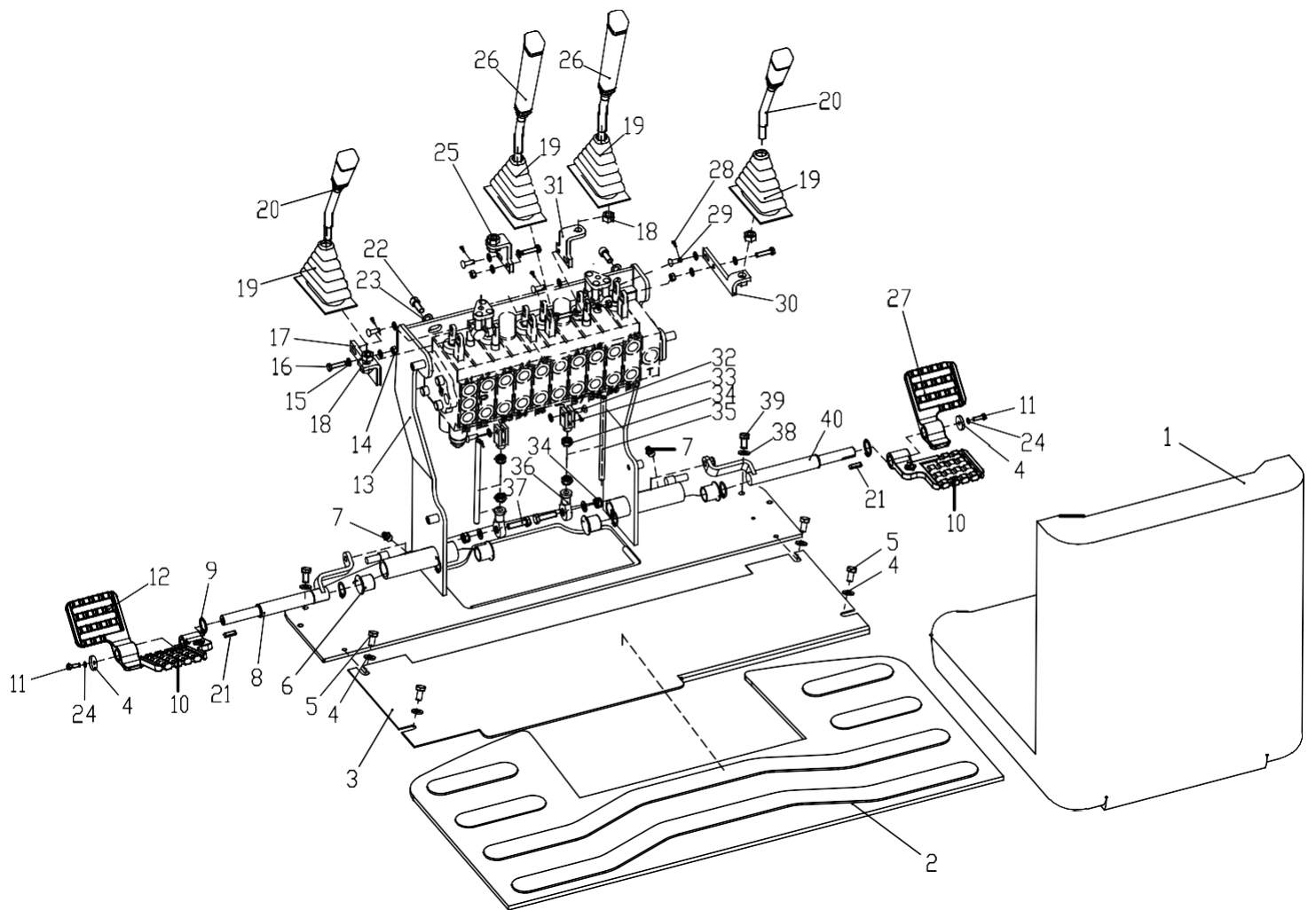
操纵总成

CONTROL ASSEMBLY

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	10025027	座椅（扶手） Small seat(armrest)	1	随操纵手柄
2	10025629	脚踏垫 Foot pad	1	
3	20021020	脚踏板 Foot pedal	1	
4	10024583	大垫圈 10 Washer 10	4	
5	10024573	螺栓M8×16 Blot M8×16	4	
6	10012202	翻边轴套 Flanged axle sleeve	4	
7	10023693	小油杯 Oil cup	2	
8	10025033	转轴总成 II Rotating shaft assembly II	1	
9	10000862	轴用弹性挡圈 φ 20 Circlip for shaft φ 20	4	
10	20020997	左后脚踏焊合 Left rear pedal welding	1	
11	10024592	螺栓 M8*20 Blot M8×20	2	
12	20020994	左前脚踏焊合 Left front foot pedal welding	1	
13	20021015	多路阀支架焊合 Multiway valve bracket	1	
14	10025326	防松螺母M6 Jam nut M6	4	
15	10024589	垫圈6 Washer 6	15	
16	10000599	螺杆M6×25 Screw M6×25	4	
17	20021012	连接架总成 II Connecting frame assembly II	1	
18		螺母M10 Nut M10	2	
19	10025036	推土杆 Bulldozer bar	2	
20	10025030	操纵杆球头 Lever ball joint	4	
21	10024826	左手动操纵手柄 Left hand joystick	1	
22	10006572	圆柱头螺栓M8*20 Cylindrical head boltM8*20	4	
23	10024593	垫圈8 Washer 8	6	
24		螺母M12 Nut M12	2	
25	20020977	左行走连接架 Left connecting frame	1	
26	10025622	行走操纵杆 Travel lever	2	
27	10024827	右手动操纵手柄 Right hand joystick	1	
28	10000867	开口销2×10 Split pin 2×10	6	
29	10000868	销轴 GB882 6×17 Pinned GB882 6×17	4	
30	20021000	推土连接架 Bulldozer connecting frame	1	
31	20020981	左行走连接架 Left connecting frame	1	
32	10000965	销轴 GB882 6×22 Pinned GB882 6×22	2	
33	10015968	连接叉III Connecting fork	2	
34	10024598	螺母M8 Nut M8	6	
35	10025038	螺杆 M8*160 Screw M8*160	2	
36	10012197	关节轴承M8×Ø8 Tilting M8×Ø8	2	
37	10025333	螺栓M8×35 BlotM8×35	2	
38	10024581	垫圈10 Washer 10	6	
39	10024599	螺栓M10×25 BlotM10×25	6	
40	10025032	转轴总成 I Rotating shaft assembly I	1	
41	2000988	右后脚踏焊合 Right rear pedal welding	1	
42	2000984	右前脚踏焊合 Right front foot pedal welding	1	

操纵总成

CONTROL ASSEMBLY



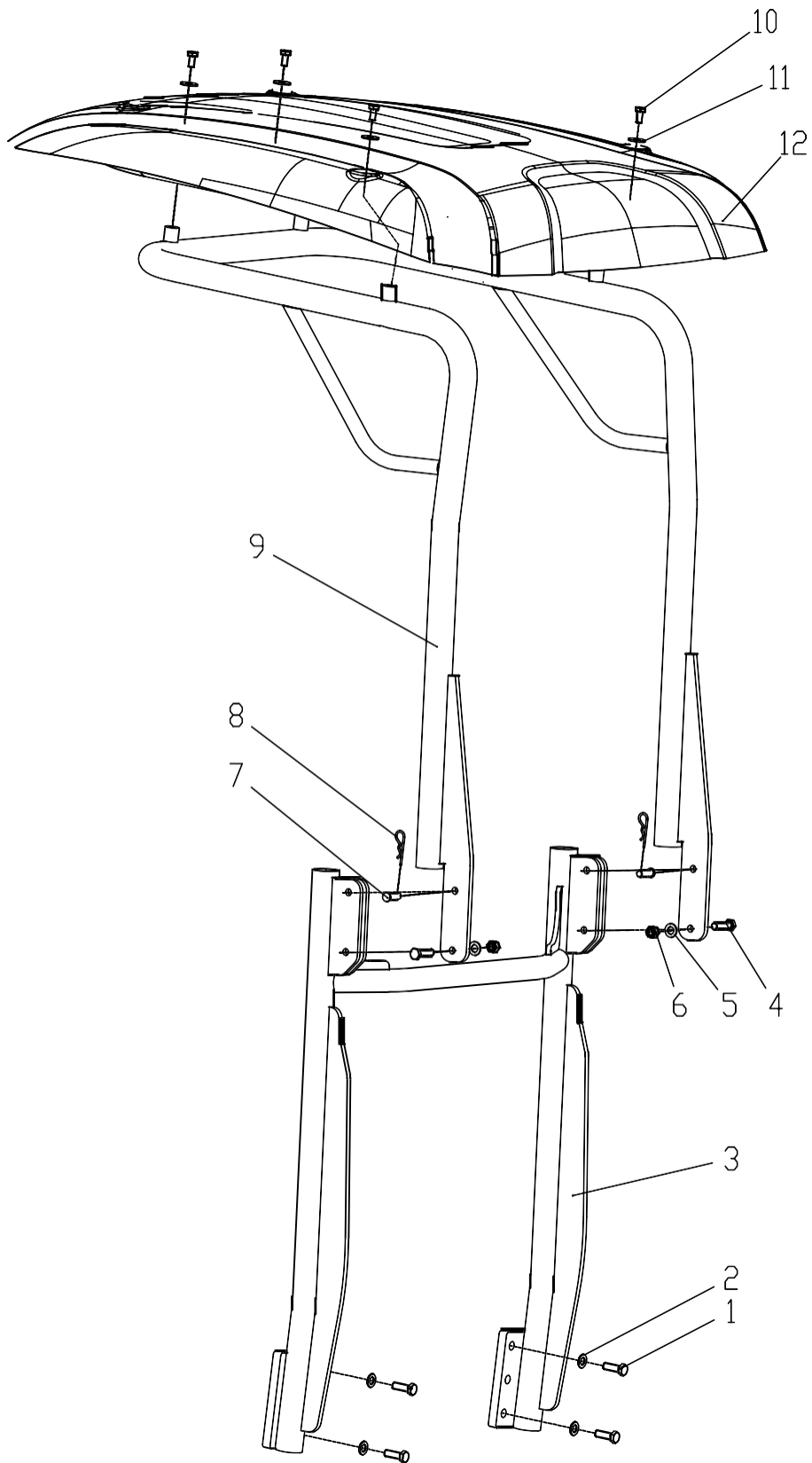
操纵总成

CONTROL ASSEMBLY

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	10022676	座椅	1	
2	10025629	脚踏垫	1	
3	20021020	脚踏板	1	
4	10024583	大垫圈 10	6	
5	10025212	螺栓M8×16	4	
6	10012202	翻边轴套	4	
7	10023693	小油杯	2	
8	10026864	偏转转轴总成 II	1	
9	10000862	轴用弹性挡圈 $\varnothing 20$	4	
10	10026800	脚踏板下	2	
11	10024603	螺栓 M6*16	2	
12	10026291	左脚踏板上	1	
13	20022645	多路阀支架焊合	1	
14	10025326	防松螺母M6	4	
15	10024589	垫圈6	15	
16	10000599	螺杆M6×25	4	
17	20022642	左破碎连接架	1	
18	10000546	螺母M10	6	
19	10026444	行走操纵手柄防尘套	4	
20	10026446	推土操纵手柄头	2	
21	10026298	平键 (A型)	2	
22	10006572	圆柱头螺栓M8*20	4	
23	10024593	垫圈8	6	
24	10024589	垫圈6	2	
25	20022633	左行走连接架	1	
26	10026293	行走操纵手柄头	2	
27	10026292	左脚踏板上	1	
28	10000867	开口销2×10	6	
29	10000868	销轴 GB882 6×17	4	
30	20022639	推土连接架	1	
31	20022636	右行走连接架	1	
32	10000965	销轴 GB882 6×22	2	
33	10015968	连接叉III	2	
34	10024598	螺母M8	6	
35	10026100	螺杆 M8*170	2	
36	10012197	关节轴承M8×Ø8	2	
37	10025333	螺栓M8×35	2	
38	10024581	垫圈10	6	
39	10024599	螺栓M10×25	6	
40	10026865	转轴总成 I	1	

防翻滚架安装

ROPS ASSEMBLY

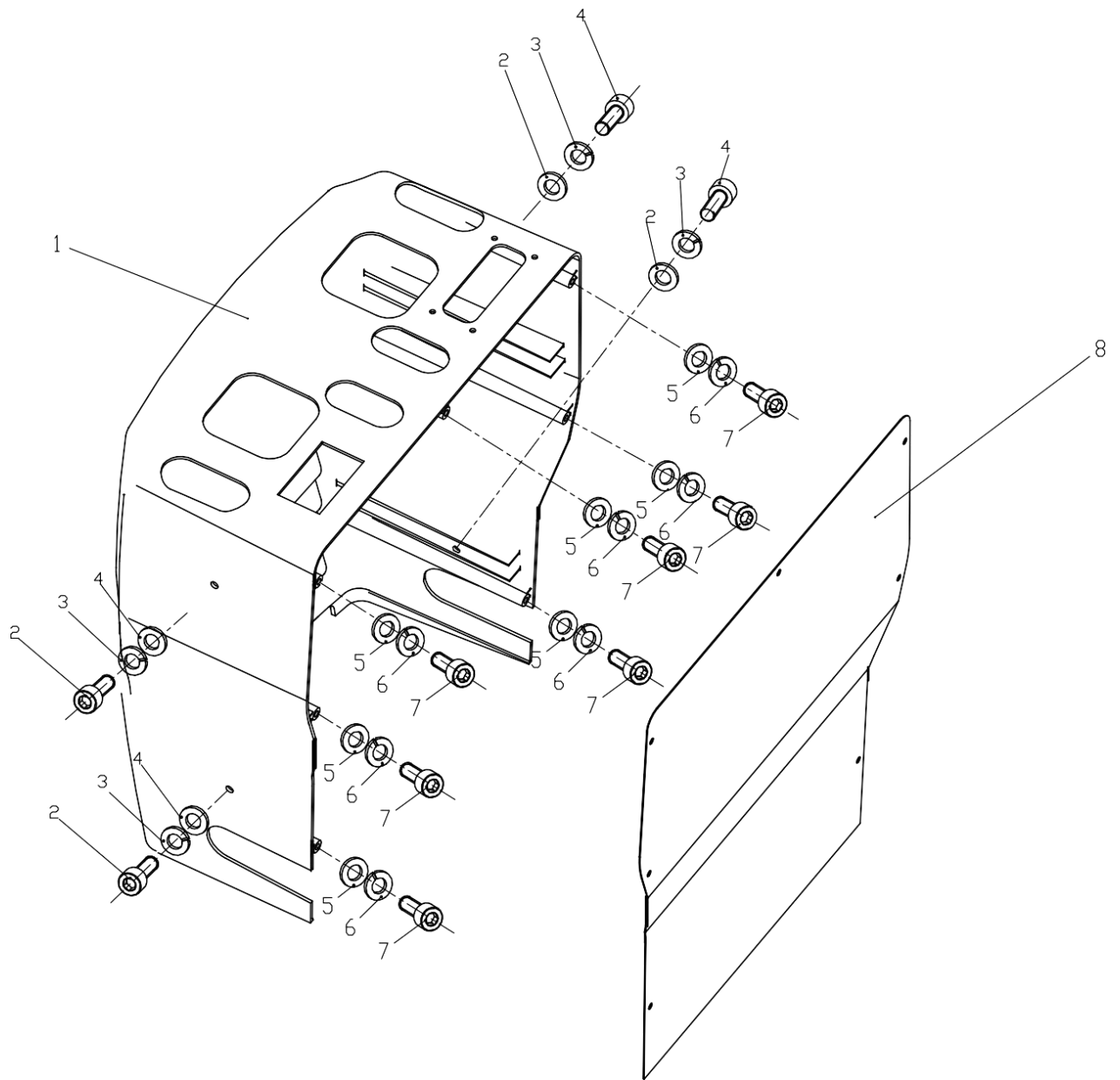


防翻滚架安装 ROPS ASSEMBLY

序号 NO	零件号 PART NO	名称 Name	数量 Quantity	备注 Remarks
1	10024564	螺栓 M12*35 Bolt M12×35	6	
2	10024579	大垫圈 12 Large Washer 12	6	
3	10025034	下框架焊合 Bottom Frame Welding	1	
4	10024557	螺栓 M12*45 Bolt M12×45	2	
5	10024537	垫圈 12 Gaskets 12	10	
6	10000928	防松螺母 M12 Jam nut M12	2	
7	10024649	销轴 12*35 Pin Shaft 12×35	2	
8	10024539	R型销3*60 R-pin 3*60	2	
9	10025621	上框架焊合 Upper Frame Welding	1	
10	10001018	螺栓 M10*16 Bolt M10×16	4	
11	10011970	大垫圈 10 Large Washer 10	4	
12	10025894	顶棚焊合 Top cover	1	

操纵箱安装

OPERATION BOX ASSEMBLY



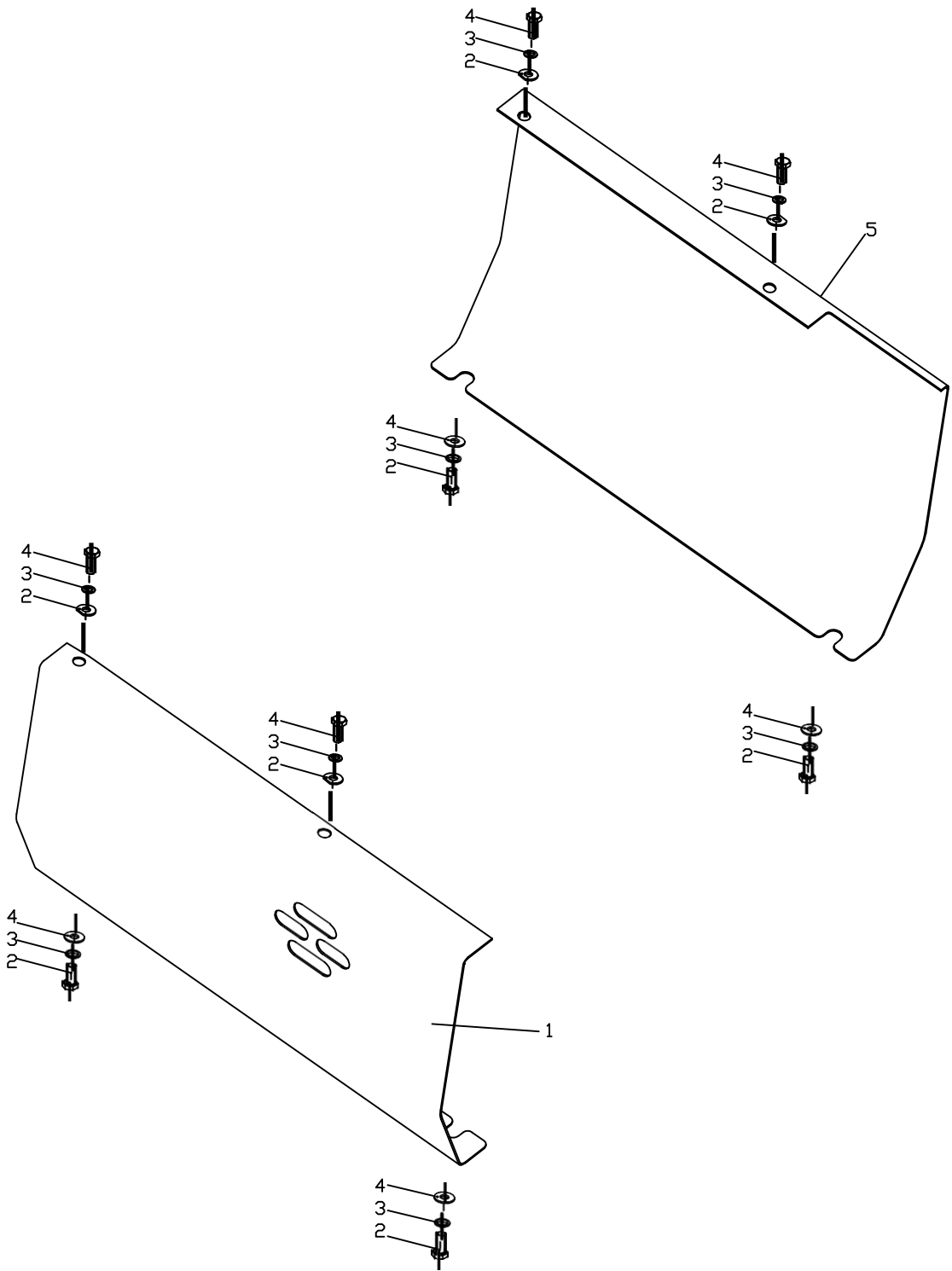
操纵箱安装

OPERATION BOX ASSEMBLY

序号 NO	零件号 PART NO	名称 Name		数量 Quantity	备注 Remarks
1	10025047	前罩壳	Front cover	1	
2	10016547	不锈钢平垫 6	Washer 6	4	
3	10025988	弹垫6	Washer 6	4	
4	10023942	不锈钢内六角平圆头螺钉 M6*12	Screw M6*12	4	
5	10000947	平垫 4	Washer 4	7	
6	10000946	弹垫 4	Washer 4	7	
7	10014031	内六角圆柱头螺钉 M4*12	Screw M4*12	7	
8	20021047	封板	Back cover	1	

框架安装

PLATE ASSEMBLY



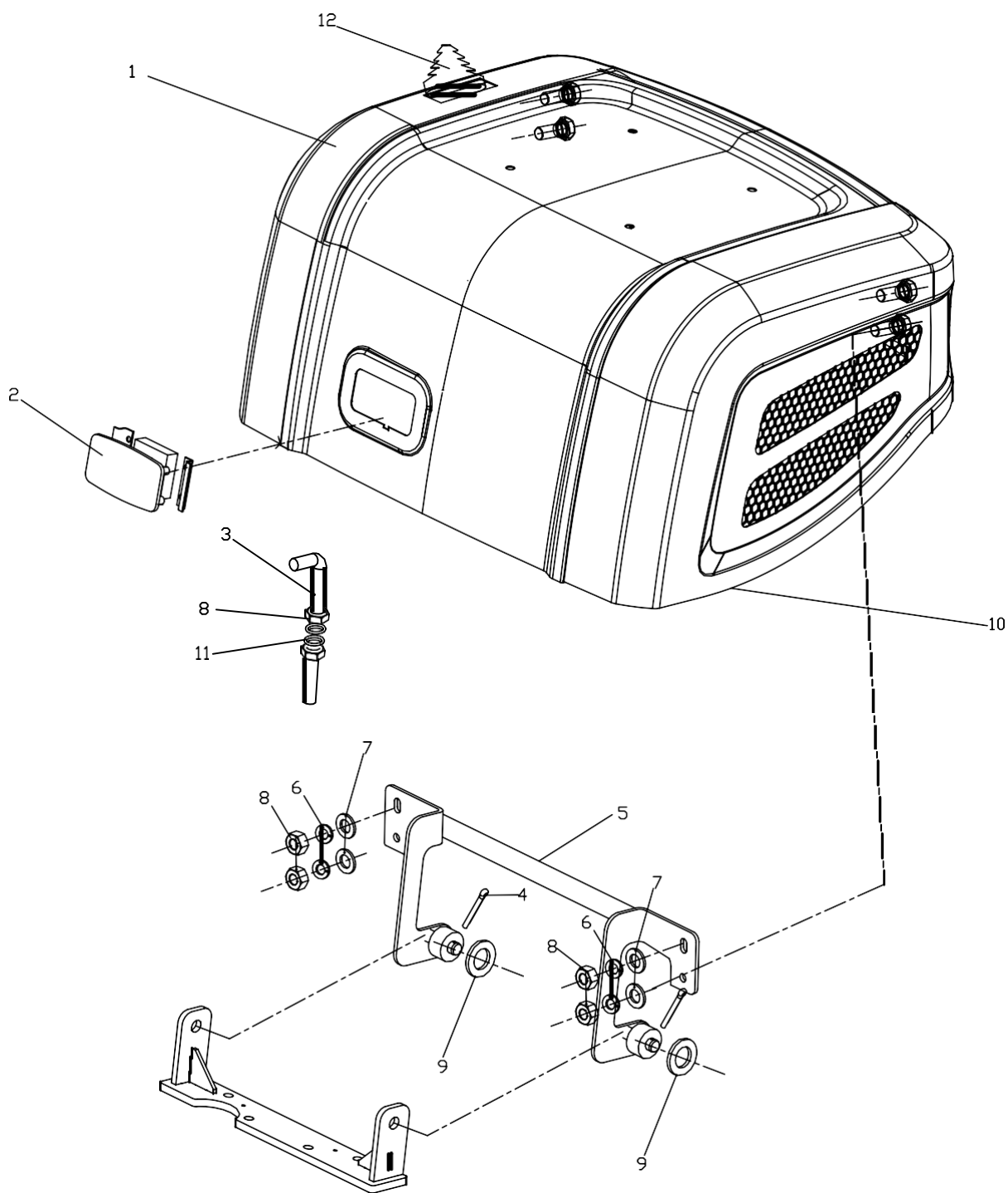
框架安装

PLATE ASSEMBLY

序号 NO	零件号 PART NO	名称 Name		数量 Quantity	备注 Remarks
1	20021040	左侧罩	Left plate	1	
2	10024585	大垫圈 8	Washer 8	4	
3	10000433	弹圈 8	Washer 8	4	
4	10000608	螺栓 M8*25	Bolt M8*25	4	
5	20021041	右侧罩	Right plate	1	

发动机上罩安装

ENGINE COVER ASSEMBLY



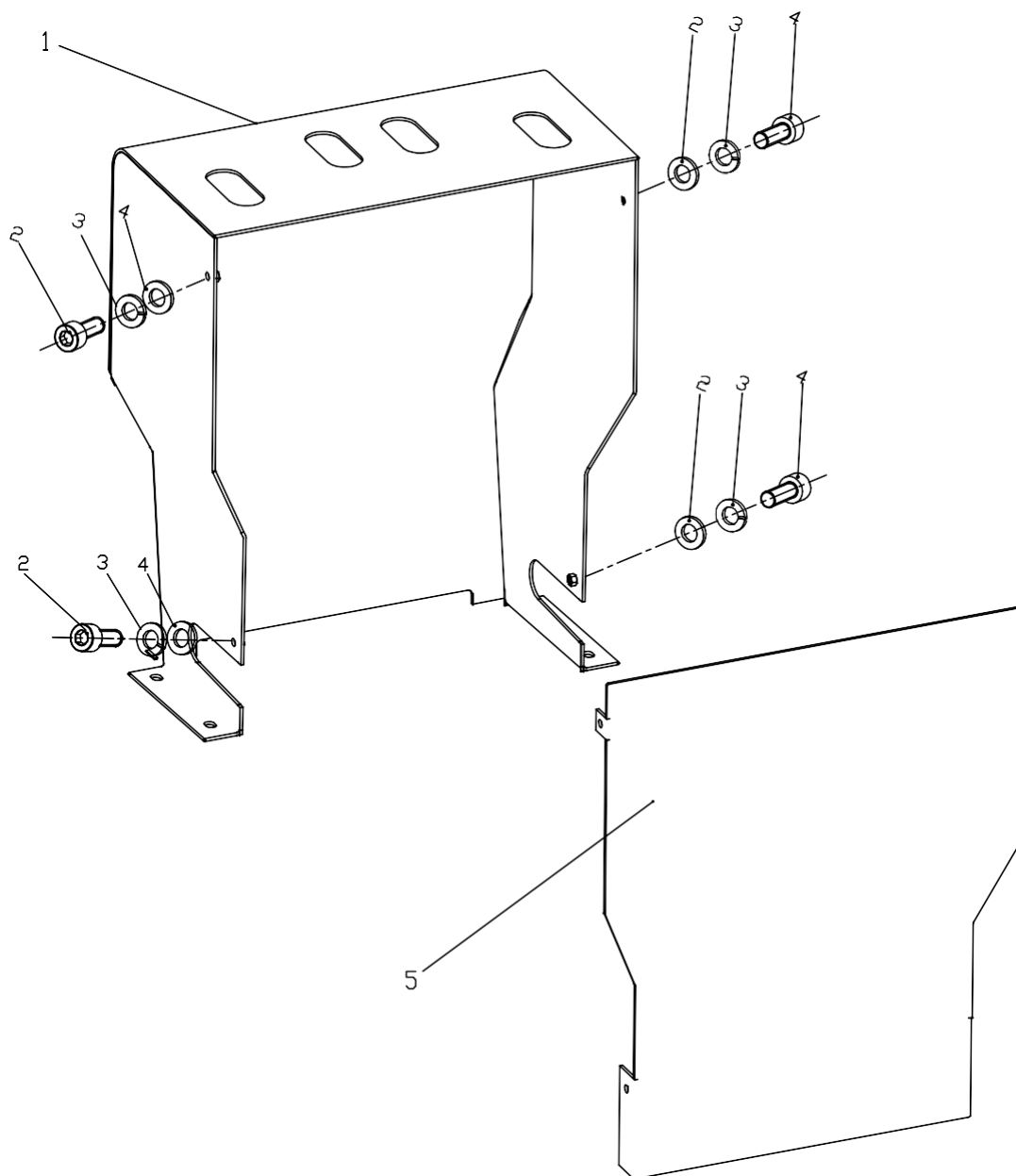
发动机罩安装

ENGINE COVER ASSEMBLY

序号 NO	零件号 PART NO	名称 Name		数量 Quantity	备注 Remarks
1	10025124	发动机罩焊合	Engine cover	1	
2	10022686	锁	Lock	1	
3	10016451	锁钩	Shackle	1	
4	10009801	开口销 4*30	Pin 4*30	2	
5	20021048	上铰接架	Top frame	1	
6	10024575	弹垫 10	Washer 10	4	
7	10024581	垫圈 10	Washer 10	2	
8	10024587	螺母 M10	Nut M10	6	
9	10024588	垫圈 16	Washer 16	2	
10	10023574	密封胶条	seal	2.2	
11	10024583	大垫圈	Washer 10	6	
12	10025045	防尘罩	Dust cover	1	

操纵箱安装

OPERATION BOX ASSEMBLY



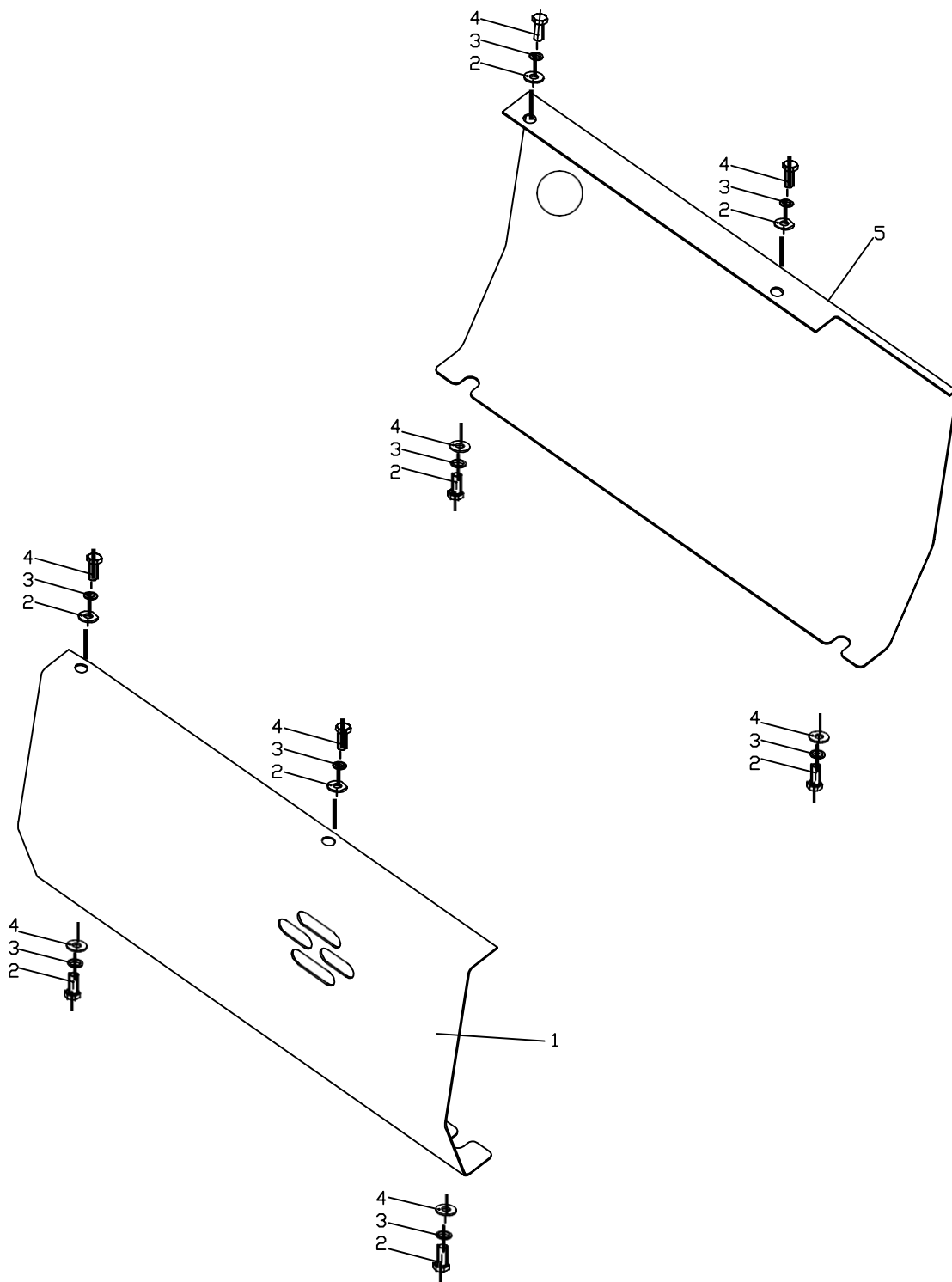
操纵箱安装

OPERATION BOX ASSEMBLY

序号 NO	零件号 PART NO	名称 Name		数量 Quantity	备注 Remarks
1	20022629	前罩壳	Front cover	1	
2	10016547	不锈钢平垫 6	Washer 6	4	
3	10025988	弹垫6	Washer 6	4	
4	10023942	不锈钢内六角平圆头螺钉 M6*12	Screw M6*12	4	
5	22022630	封板	Back cover	1	

框架安装

PLATE ASSEMBLY



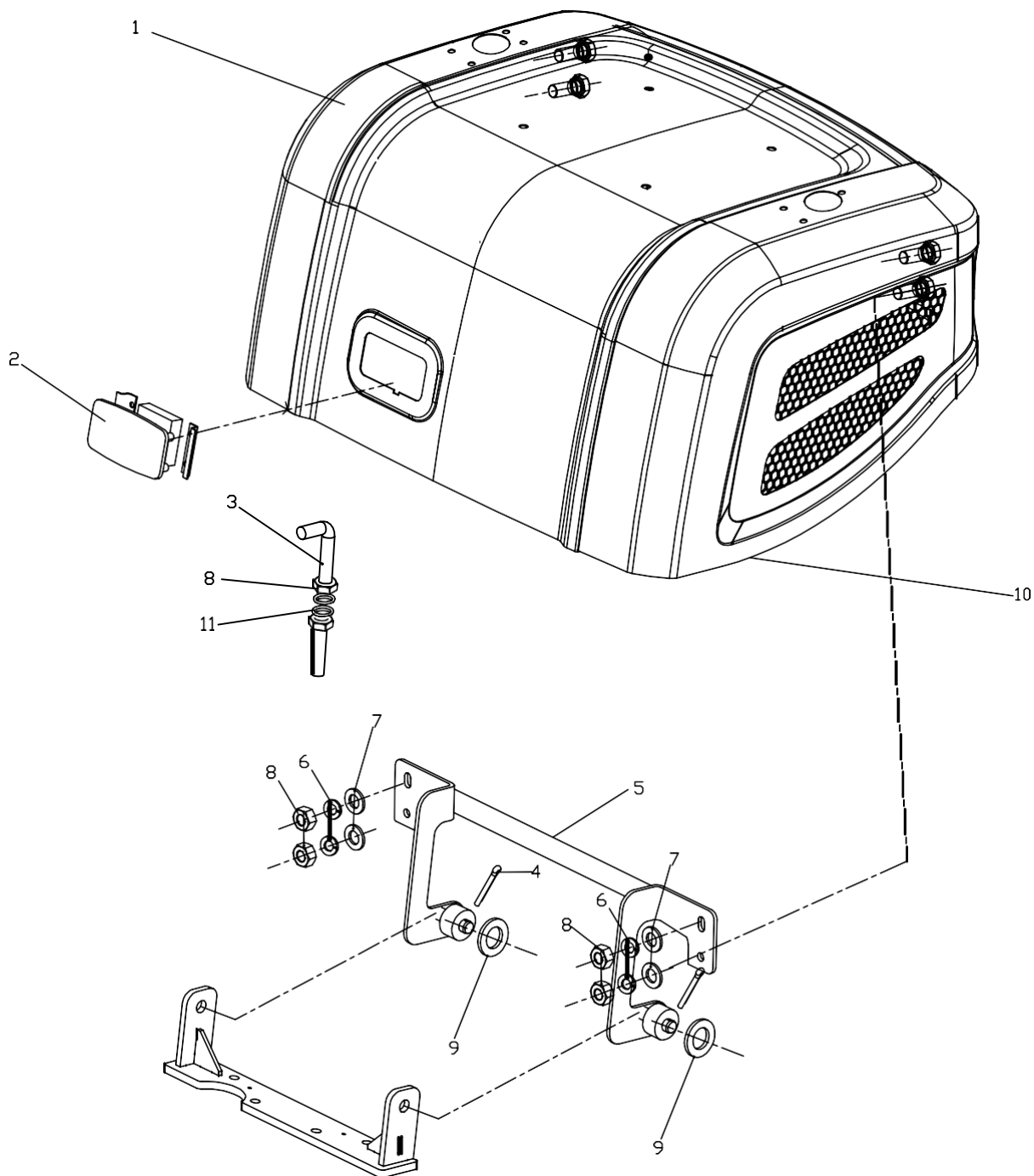
框架安装

PLATE ASSEMBLY

序号 NO	零件号 PART NO	名称 Name		数量 Quantity	备注 Remarks
1	20021040	左侧罩	Left plate	1	
2	10024585	大垫圈 8	Washer 8	4	
3	10000433	弹圈 8	Washer 8	4	
4	10000608	螺栓 M8*25	Bolt M8*25	4	
5	20022654	右侧罩	Right plate	1	

发动机上罩安装

ENGINE COVER ASSEMBLY



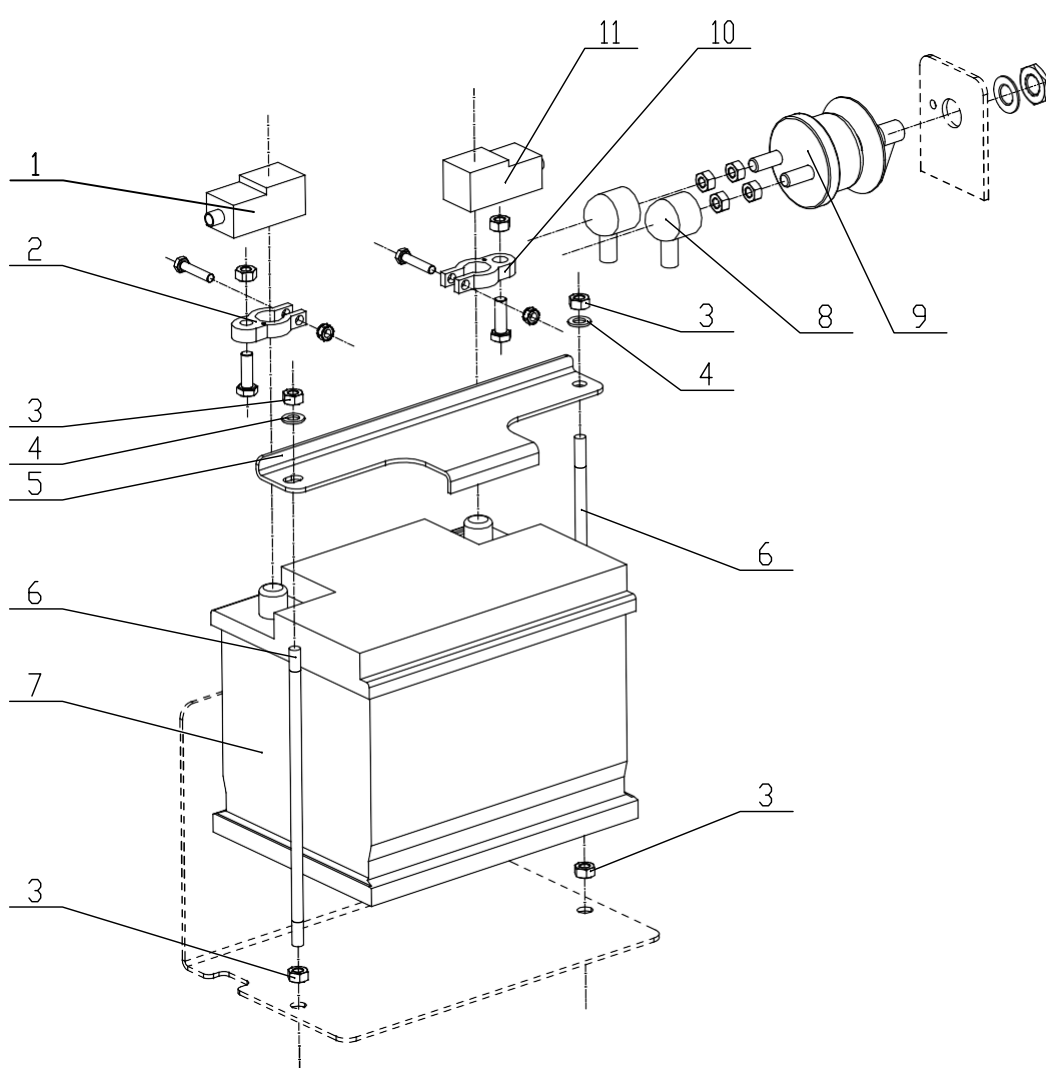
发动机罩安装

ENGINE COVER ASSEMBLY

序号 NO	零件号 PART NO	名称 Name		数量 Quantity	备注 Remarks
1	10026583	发动机罩焊合	Engine cover	1	
2	10022686	锁	Lock	1	
3	10016451	锁钩	Shackle	1	
4	10009801	开口销 4*30	Pin 4*30	2	
5	20022516	上铰接架	Top frame	1	
6	10024575	弹垫 10	Washer 10	4	
7	10024581	垫圈 10	Washer 10	2	
8	10024587	螺母 M10	Nut M10	6	
9	10024588	垫圈 16	Washer 16	2	
10	10023574	密封胶条	seal	2.2	
11	10024583	大垫圈	Washer 10	6	

电气系统 蓄电池组件

ELECTRICAL SYSTEM BATTERY GROUP



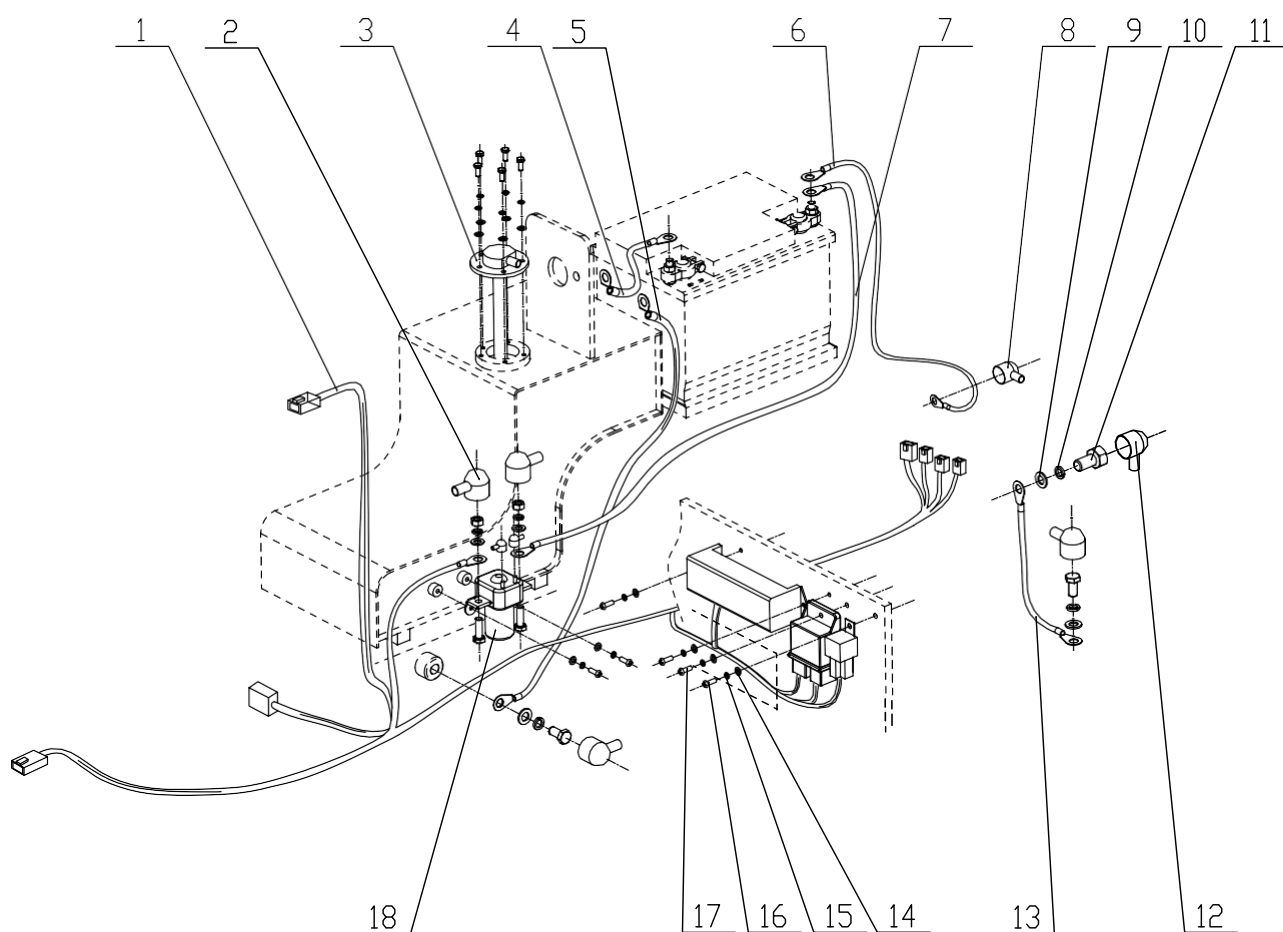
电器系统 蓄电池组件

ELECTRICAL SYSTEM BATTERY GROUP

序号 NO.	零件号 PART NO.	名称 Name		数量 Quantity	备注 Remarks
1	10011861	蓄电池极柱护套 (+)	Cap (+)	1	
2	10014647	蓄电池极柱卡子 (+)	A column clamp (+)	1	
3	10000546	六角螺母M10	Nut M10	4	
4	10000420	垫圈10	Washer 10	2	
5	20022083	蓄电池压板	Fixing pole	1	
6	10022784	螺杆	Screw	2	
7	10005392	蓄电池	Batter	1	
8	10011866	橡胶护套Φ15-Φ17	Rubber sheathΦ15-Φ17	2	
9	10005637	电源总开关	Power switch	1	B/B4
10	10014648	蓄电池极柱卡子 (-)	A column clamp (-)	1	
11	10011862	蓄电池极柱护套 (-)	Cap (-)	1	

电器系统 接线系统

ELECTRICAL SYSTEM WIRING SYSTEM



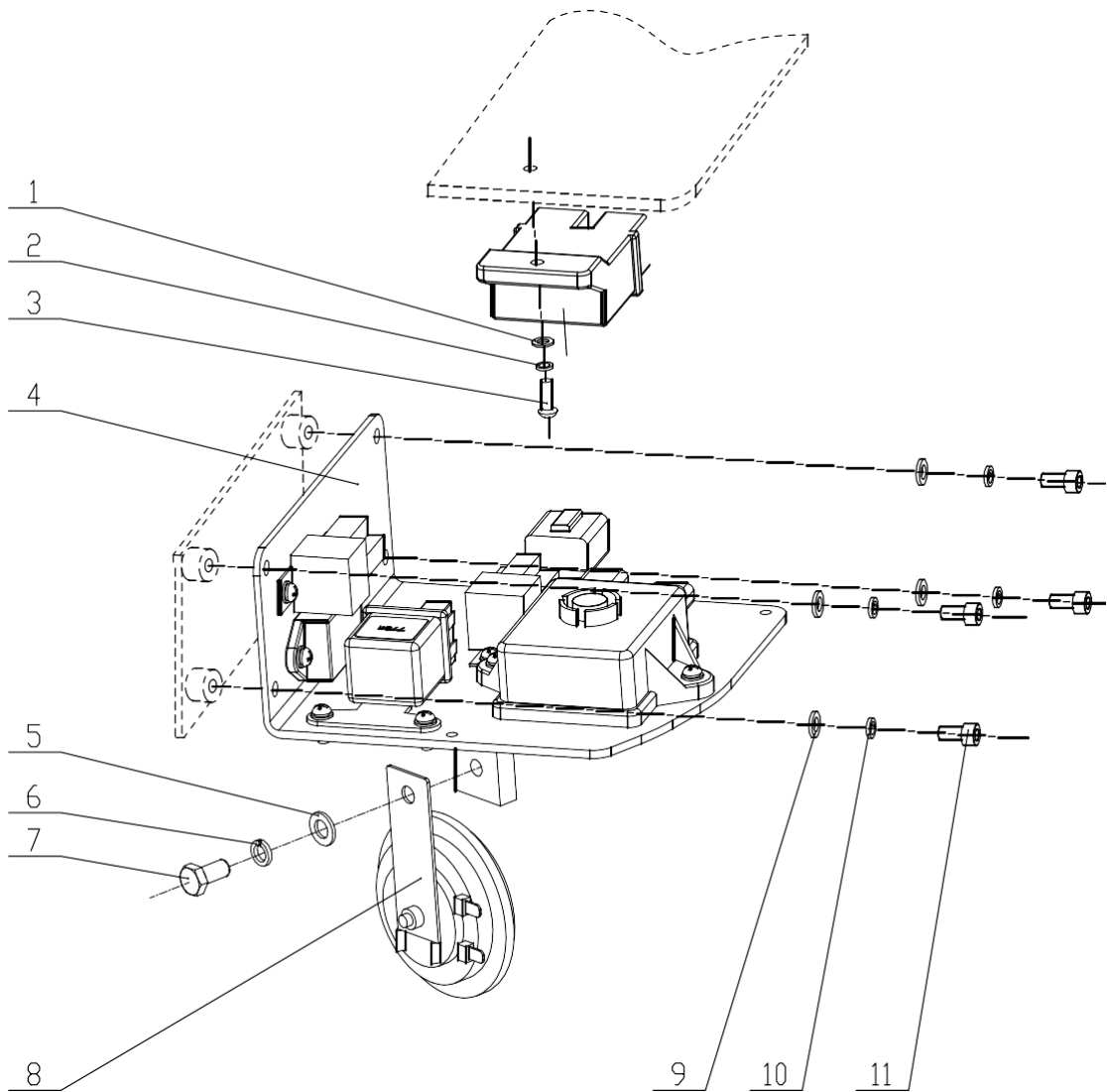
电器系统 接线系统

ELECTRICAL SYSTEM WIRING SYSTEM

序号 NO.	零件号 PART NO.	名称 Name		数量 Quantity	备注 Remarks
1	10025009 10025376 10026571	整机线束	Wiring Harness	1	B4 B B-P
2	10011863	橡胶护套Φ5-Φ6	Rubber Sheath Φ5-Φ6	2	
3	10014306	油位传感器	Oil Level Sensor	1	
4	10025605 10026573	蓄电池负极线	Negative Electrical Wire	1	B/B4 B-P
5	10024178 10024735	负极搭铁线	Negative Ground Wire	1	B/B4 B-P
6	10025011	启动马达B线	Start Motor line B	1	
7	10024697	蓄电池正极线	Battery Negative Wire	1	
8	10011864	橡胶护套Φ6-Φ10	Rubber Sheath Φ6-Φ10	1	
9	10000420	平垫 10	Washer 10	4	
10	10000434	弹垫 10	Washer 10	4	
11	10001018	螺栓 M10*16	Bolt M10*16	4	
12	10011866	橡胶护套Φ15-Φ17	Rubber Sheath Φ15-Φ17	8	
13	10024699	发动机搭铁线	Engine Grounding Wire	1	
14	10000417	平垫 5	Washer 5	11	
15	10000431	弹垫 5	Washer 5	8	
16	10001182	十字槽盘头螺钉 M5*12	Screw M5*12	3	
17	10006718	十字槽盘头螺钉 M5*20	Screw M5*20	6	
18	10025430	电磁总开关	Power Switch	1	

电气系统 继电器组件

ELECTRICAL SYSTEM RELAY GROUP



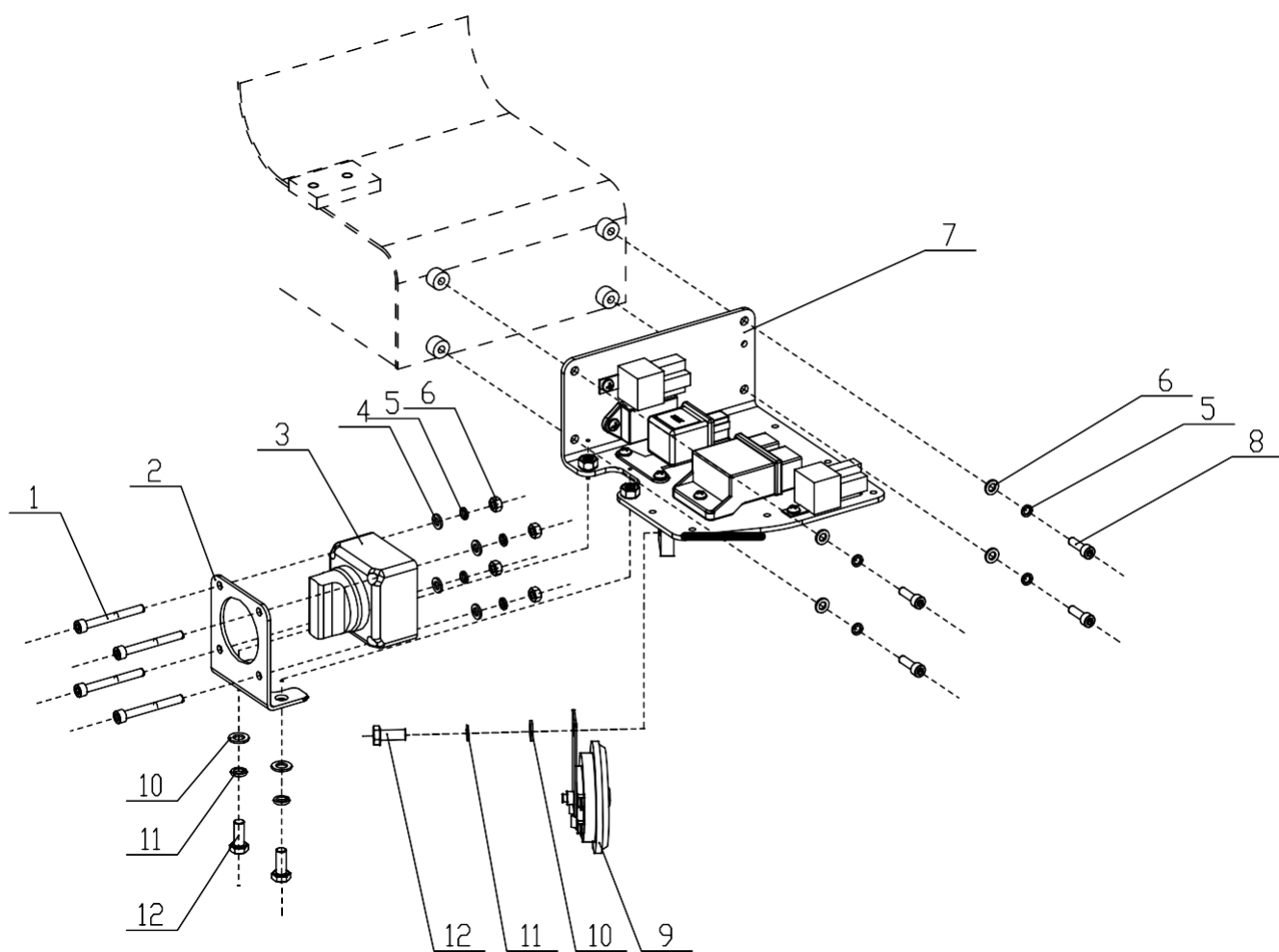
电器系统 继电器组件

ELECTRICAL SYSTEM RELAY GROUP

序号 NO.	零件号 PART NO.	名称 Name		数量 Quantity	备注 Remarks
1	10000417	平垫 5	Washer 5	1	
2	10000431	弹垫 5	Washer 5	1	
3	10006718	十字槽盘头螺钉 M5*20	Screw M5*20	1	
4	10025302 10025377	继电器总成	Relay Group	1	B4 B
5	10000419	平垫 8	Washer 8	1	
6	10000433	弹垫 8	Washer 8	1	
7	10000607	螺栓 M8*20	Bolt M8*20	1	
8	10025441	喇叭	Horn	1	
9	10000418	平垫 6	Washer 6	4	
10	10000432	弹垫 6	Washer 6	4	
11	10012548	内六角螺丝 M6*12	Bolt M6*12	4	

电气系统 继电器组件

ELECTRICAL SYSTEM RELAY GROUP

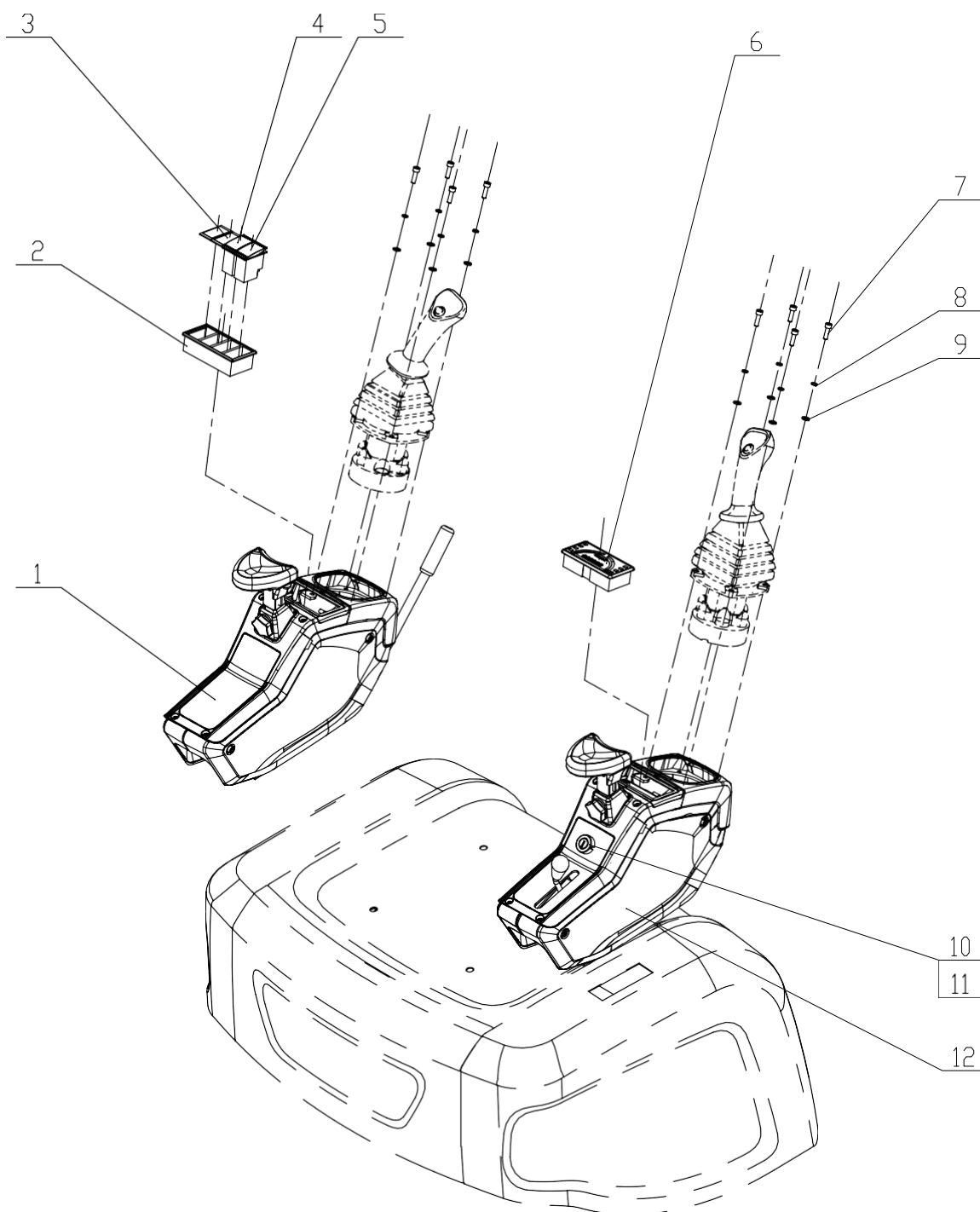


电器系统 继电器组件2

ELECTRICAL SYSTEM RELAY GROUP 2

序号 NO.	零件号 PART NO.	名称 Name		数量 Quantity	备注 Remarks
1	10000604	螺栓 M6*50	Bolt M6*50	4	
2	20022625	电源总开关支架	Switch Bracket	1	
3	10026468	电源总开关	Power Switch	1	
4	10000418	平垫 6	Washer 6	4	
5	10000432	弹垫 6	Washer 6	4	
6	10025326	防松螺母 M6	Lock Nut M6	4	
7	10026572	继电器总成	Relay Group	1	
8	10012548	内六角螺丝 M6*12	Bolt M6*12	4	
9	10025441	喇叭	Horn	1	
10	10000419	平垫 8	Washer 8	3	
11	10000433	弹垫 8	Washer 8	3	
12	10000607	螺栓 M8*20	Bolt M8*20	3	

操纵箱 CONTROL BOX



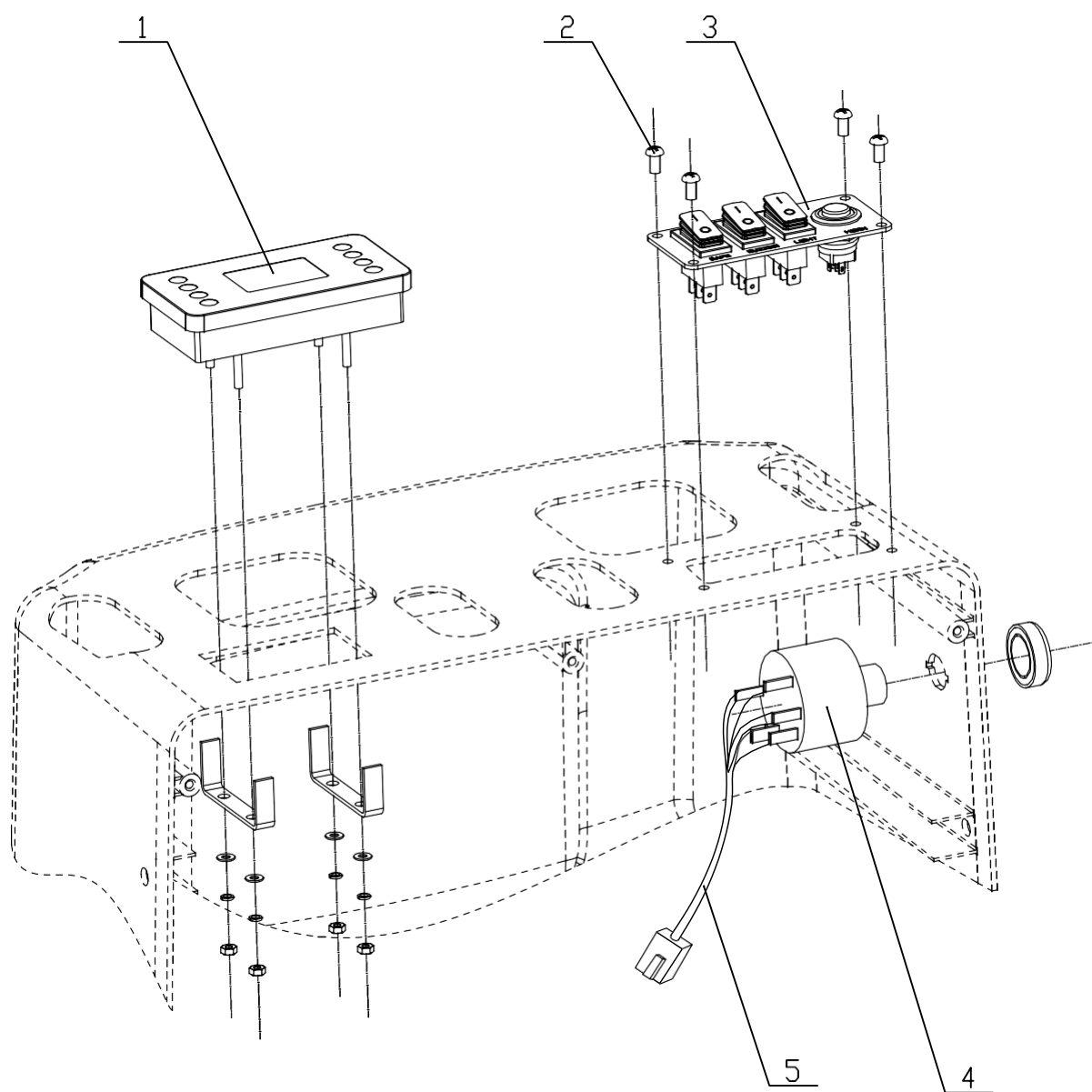
操纵箱

CONTROL BOX

序号 NO.	零件号 PART NO.	名称 Name		数量 Quantity	备注 Remarks
1	10025313	左操纵箱	Left Control Box	1	
2	10025379	开关底座	Switch Bracket	2	
3	10003269	开关盖板	Cover	2	
4	10025318	警示灯开关	Buzzer Switch	1	
5	10025575	照明开关	Light Switch	1	
6	10020414	组合仪表	Combination Meter	1	
7	10000927	内六角螺栓 M6*20	Bolt M6*20	10	
8	10000432	弹垫 6	Washer 6	10	
9	10000418	平垫 6	Washer 6	10	
10	10025051	启动开关	Start Switch	1	
11	10023294	启动开关转接线	Start Switch Cable	1	
12	10025314	右操纵箱	Right Control Box	1	

电气系统 仪表开关组件

ELECTRICAL SYSTEM METER&SWITCH GROUP



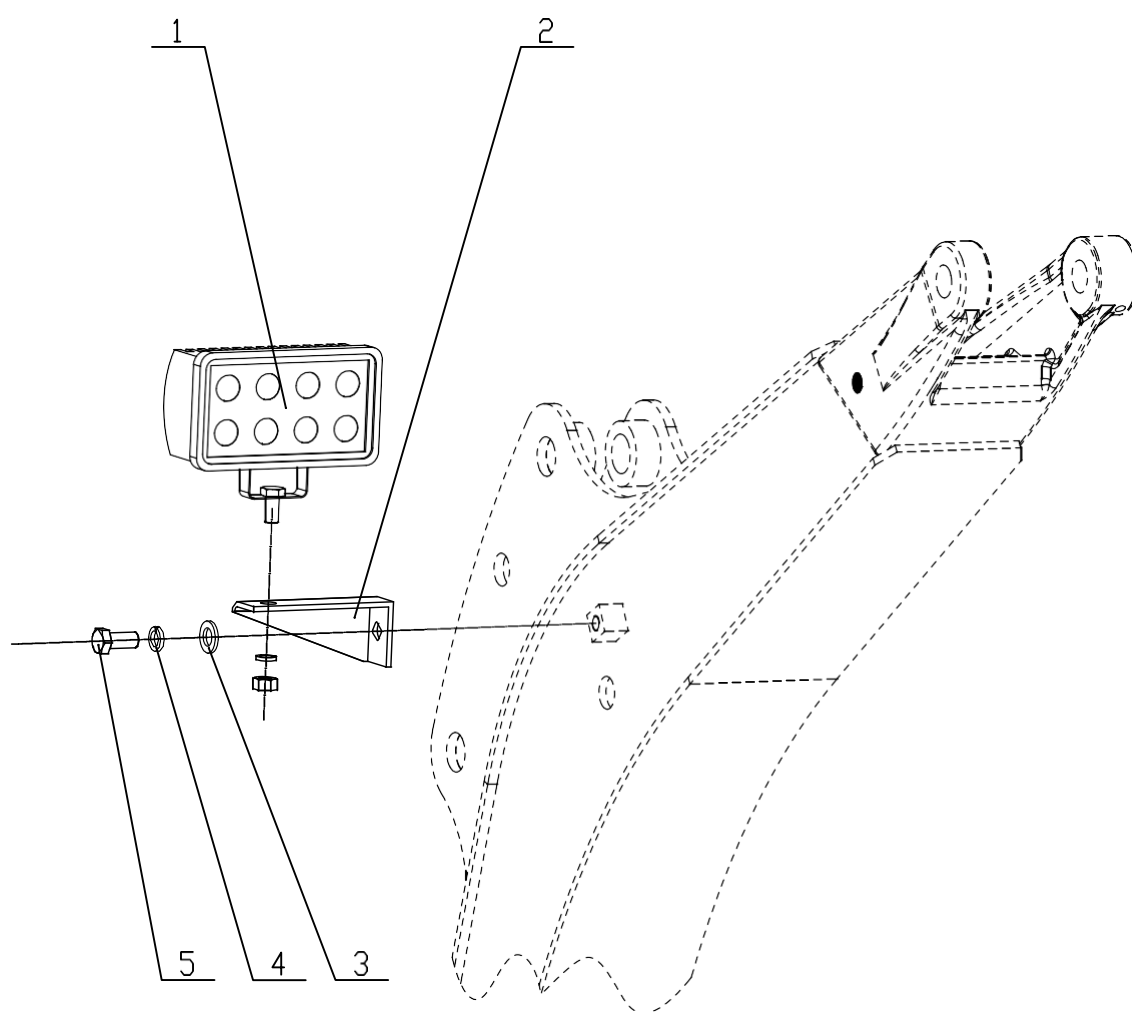
电器系统 仪表开关组件

ELECTRICAL SYSTEM METER&SWITCH GROUP

序号 NO.	零件号 PART NO.	名称 Name		数量 Quantity	备注 Remarks
1	10025018	组合仪表	Meter	1	
2	10006718	十字槽盘头螺钉 M5*20	Screw M5*20	4	
3	10025008	组合开关	Switch Group	1	
4	10025051	启动开关	Start Switch	1	
5	10023294	开关转接线	Switch Cable	1	

电器系统 工作灯

ELECTRICAL SYSTEM WORK LIGHT



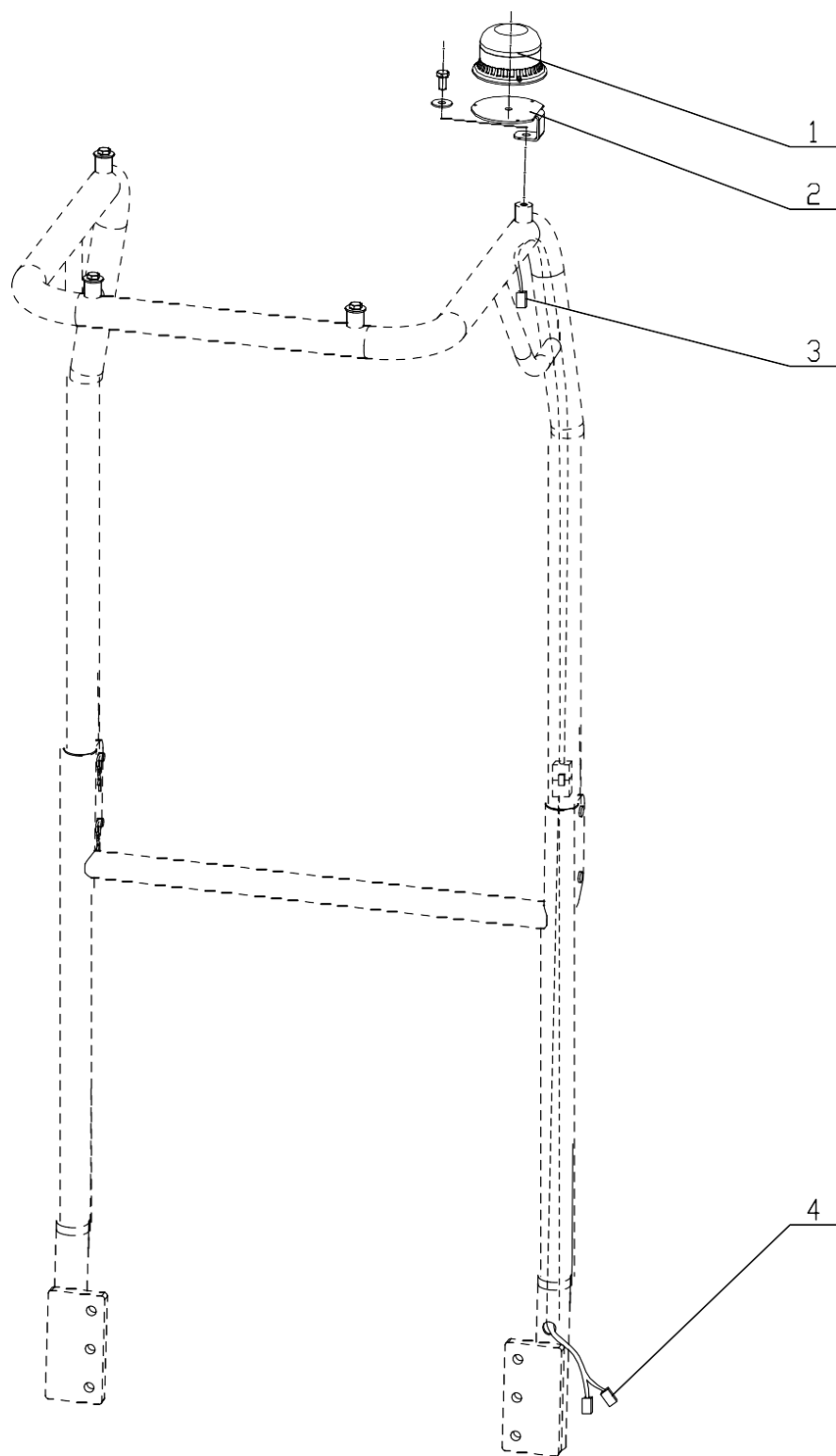
电器系统 工作灯组件

ELECTRICAL SYSTEM WORK LIGHT

序号 NO.	零件号 PART NO.	名称 Name		数量 Quantity	备注 Remarks
1	10019361	工作灯	Work Light	1	
2	20010011	大臂灯支架	Light Mounting Plate	1	
3	10024651	平垫 12	Washer 12	1	
4	10024635	弹垫 12	Washer 12	1	
5	10024642	螺栓 M12x20	Bolt M12×20	1	

电器系统 警示灯系统

ELECTRICAL SYSTEM WARNING LIGHT GROUP



电器系统 警示灯组件

ELECTRICAL SYSTEM WARNING LIGHT GROUP

序号 NO.	零件号 PART NO.	名称 Name		数量 Quantity	备注 Remarks
1	10025019	警示灯	Warning Light	1	
2	20020973	警示灯支架	Warning Light Bracket	1	
3	10025016	警示灯线束A	Warning Light Cable A	1	
4	10025017	警示灯线束B	Warning Light Cable B	1	