



R18-4 Pro

HYDRAULIC EXCAVATOR

PARTS BOOKS



Facebook



Youtube



Ins



Link



Tiktok



山东立派机械集团有限公司

Shandong Ripa Machinery Group Co., Ltd

📍地址: 中国山东省济宁市任城区黄文大道2166号第六工业园A区

Add: Chengwen Avenue No.2166 The sixth industrial park Unit A, Rencheng, Jining city, Shandong Province, China

☎电话: 0537-2339712

Tel: 0537-2339712

WhatsApp: +86 18753778717

✉电子邮箱: rippamachine@gmail.com

E-mail: rippamachine@gmail.com

🌐网址: www.rippa.com

Web: www.rippa.com

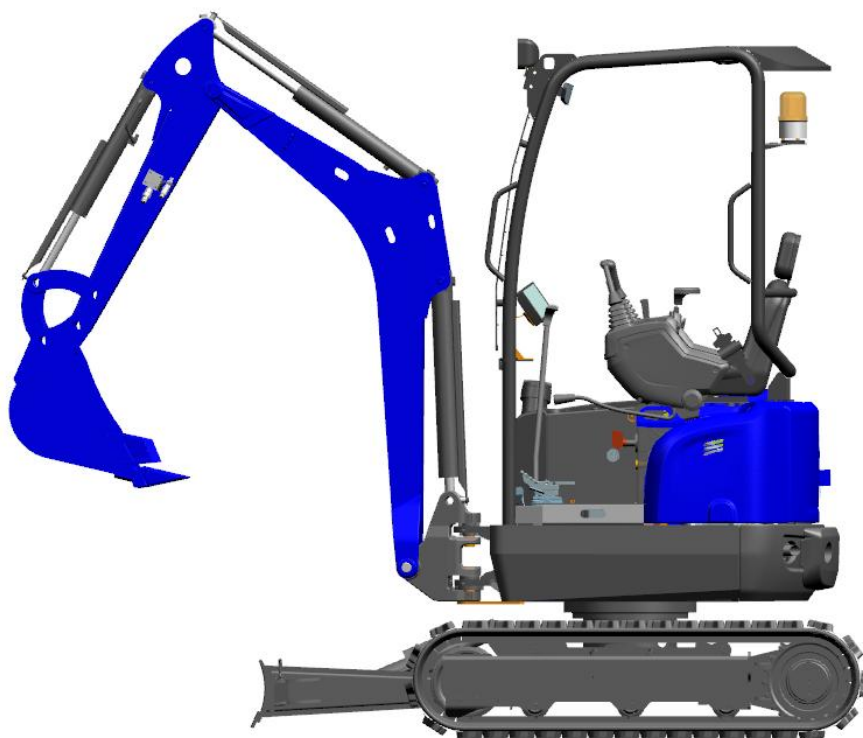
[2024 SECOND EDITION]

PARTS BOOK



R18-4 Pro

HYDRAULIC EXCAVATOR



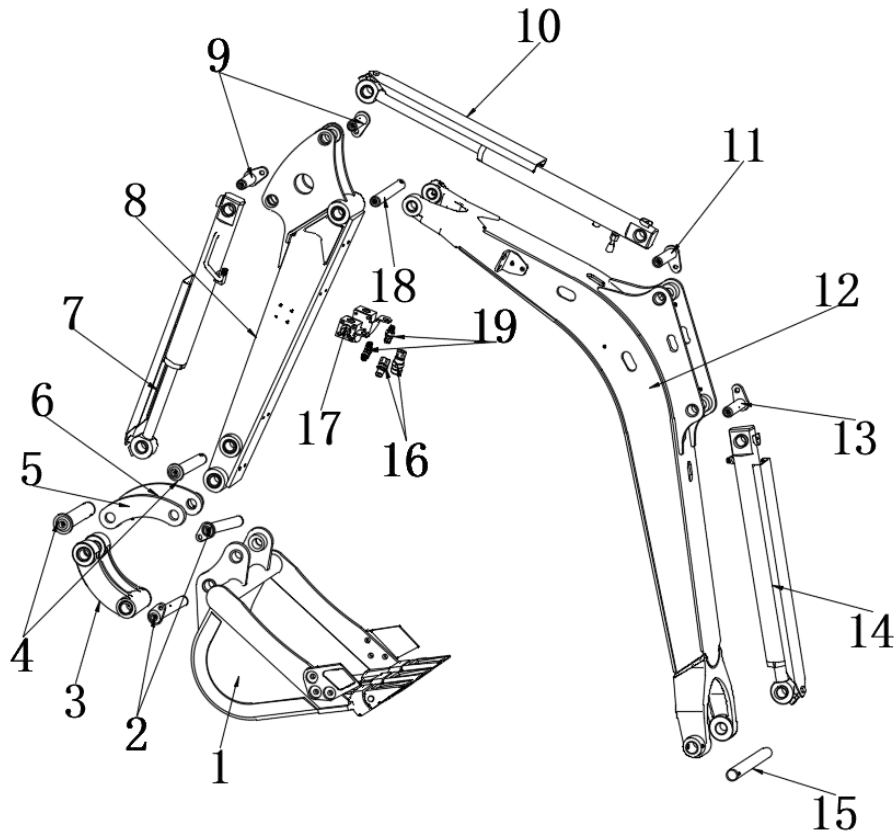
[2024 第 (002) 号]

CONTENTS

No.	Description	Page
1.1	working device assembly.....	p1
1.2	Bucket assembly	p2
1.3	bucket cylinder assembly.....	P3
1.4	bucket rpd cylinder assembly.....	P4
1.5	arm cylinder assembly.....	P5
2.1	The appearance of the disassembly.....	P6
3.1	The internal assembly plater.....	P7
3.2	Seat bracket assembly.....	P8
3.3	Power assembly.....	P9
3.4	Articulated assembly.....	P10
3.5	Oil tank assembly.....	P11
3.6	Right armrest case assembly.....	P12
3.7	Left armrest case assembly.....	P13
3.8	Side sway cylinder assembly.....	P14
4.1	Telescopic lower assembly.....	P15

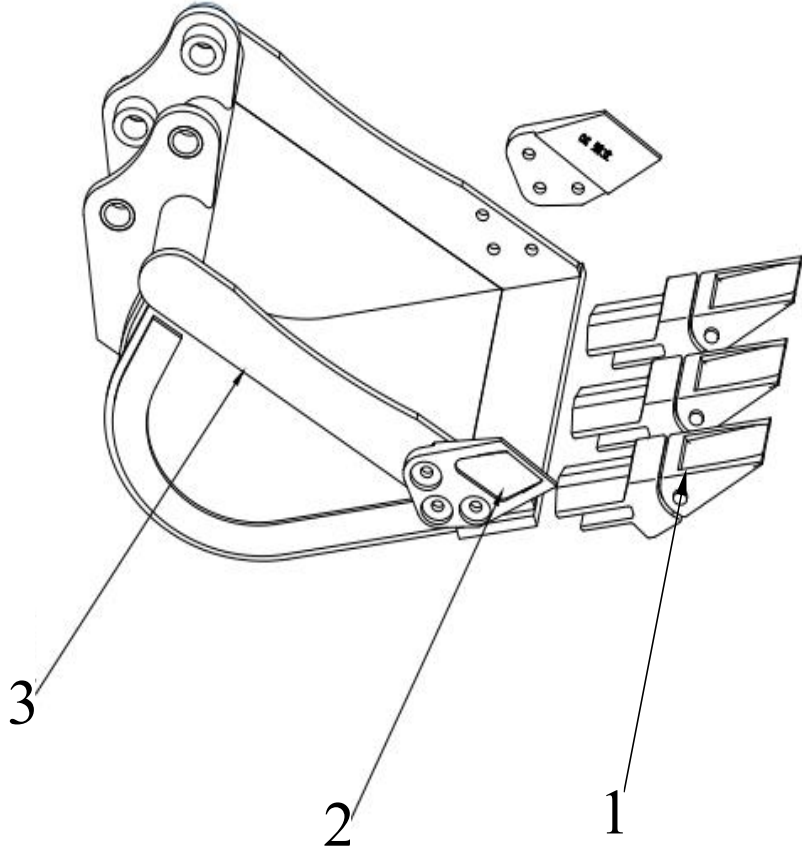
4.2 Bulldozer cylinder assembly.....	p16
4.3 Telescopic cylinder assembly.....	p17
5.1 Excavator envelope diagram.....	P18
6.1 Bucket (auxiliary equipment)	p19
6.2 Mud hopper (auxiliary equipment)	p20
6.3 Inclined bucket (auxiliary equipment).....	p21
6.4 Rake (auxiliary equipment)	p22
6.5 Rotary drilling (auxiliary equipment)	p23
6.6 Change quickly (auxiliary equipment)	p24
6.7 Wood gripper (auxiliary equipment)	p25

1.1 Working device assembly



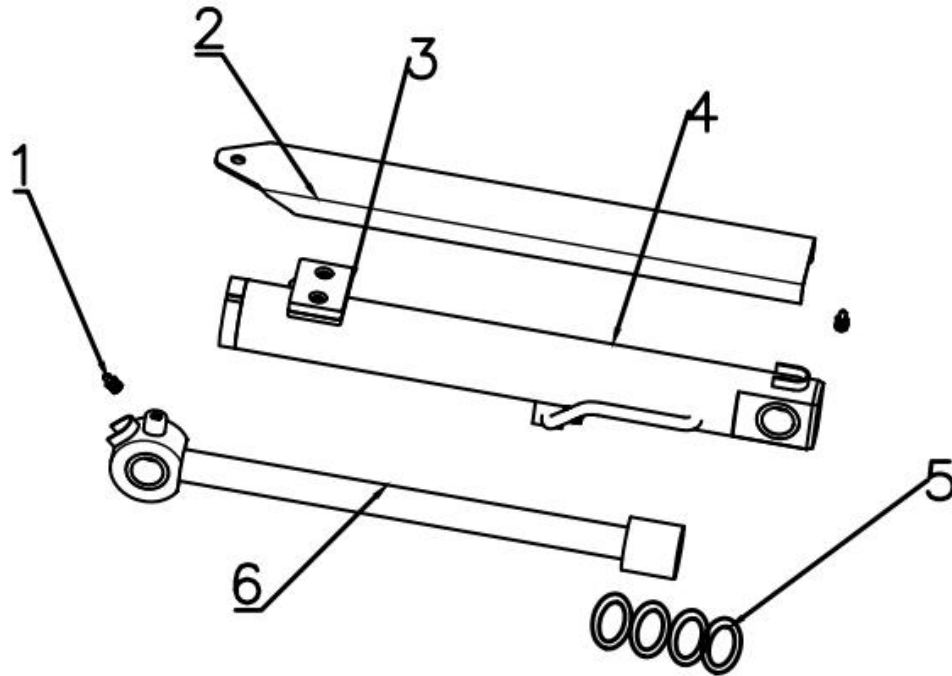
REF NO.	Part NO.	Part Name	Q/TY	Remarks
1	LP0104010917	bucket	1	
2	LP0107021343	Bucket linkage rod for fixed shaft	2	
3	LP0112013160	Casting connecting rod	1	
4	LP0107021344	Bucper cylinder/rocker shaft	2	
5	LP0112013054	Shaker rod (single board)	1	
6	LP0112013151	Shaker rod (with hole)	1	
7	LP0115010026	Shovel bucket cylinder	1	
8	LP0112011190	dipper	1	
9	LP0107021345	Dig the front of the bucket cylinder	2	
10	LP0115010033	The bucket pole cylinder	1	
11	LP0107021339	Rear fixing shaft of the bucket cylinder cylinder	1	
12	LP0112011023	swing arm	1	
13	LP0107021339	Front fixing shaft of the boom cylinder	1	
14	LP0115010037	Move the arm cylinder	1	
15	LP0107021336	Reinsert the fixed shaft	1	
16	LP0115020229	A 3 / 8 quick connector	2	
17	LP0115021277	Three ball valve	2	
18	LP0107021337	The boom front fork has fixed the shaft	1	
19	LP0115030077	M14 quick connector	2	

1.2 Bucket assembly



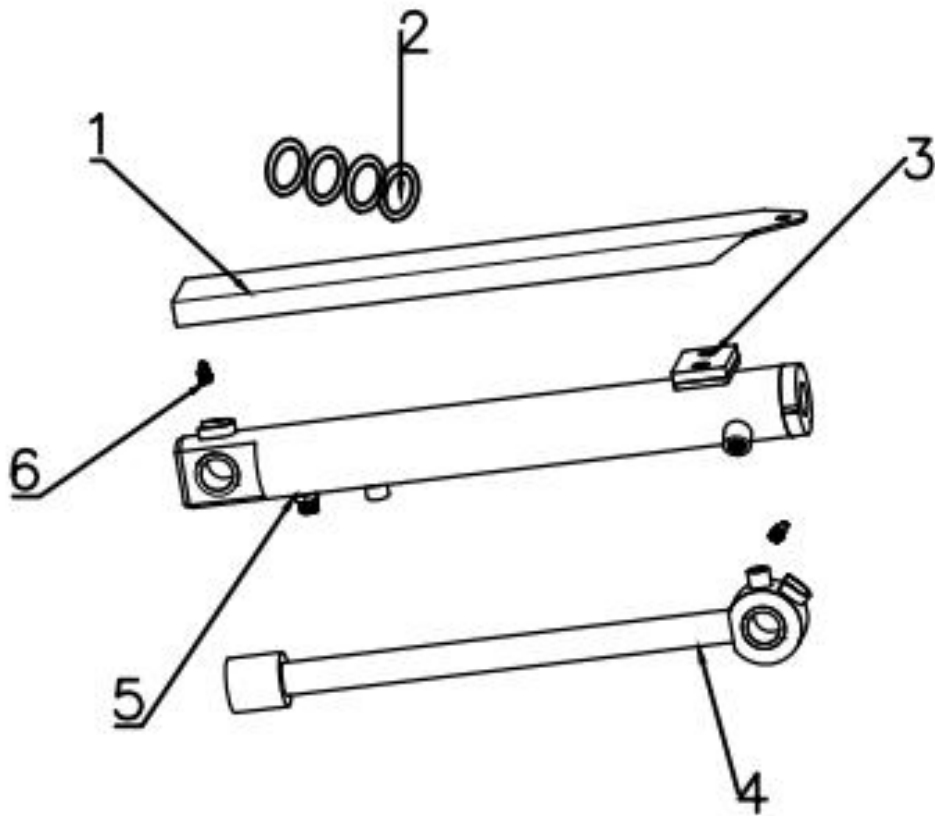
REF No.	Part No.	Part Name	Quantity	Remarks
1		Digging on the teeth	3	
2	LP011109078	Dig the side teeth	2	
3	LP0104010917	bucket	1	

1.3 Bucket cylinder assembly



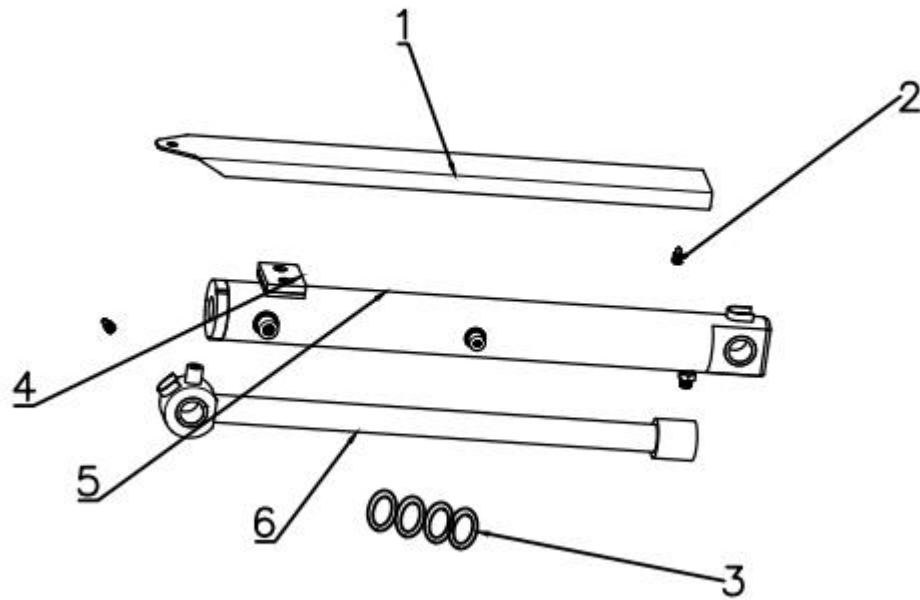
REF No.	Part No.	Part Name	Quantity	Remarks
1	LP0116010092	grease fitting	2	
2	LP0112010552	Oil cylinder guard plate	1	
3	LP011109015	Nylon block	1	
4	LP0115010123	Oil cylinder block	1	
5	LP0116030491	gasket ring	4	
6	LP0115010122	Oil cylinder cylinder rod	1	

1.4 Dock cylinder assembly



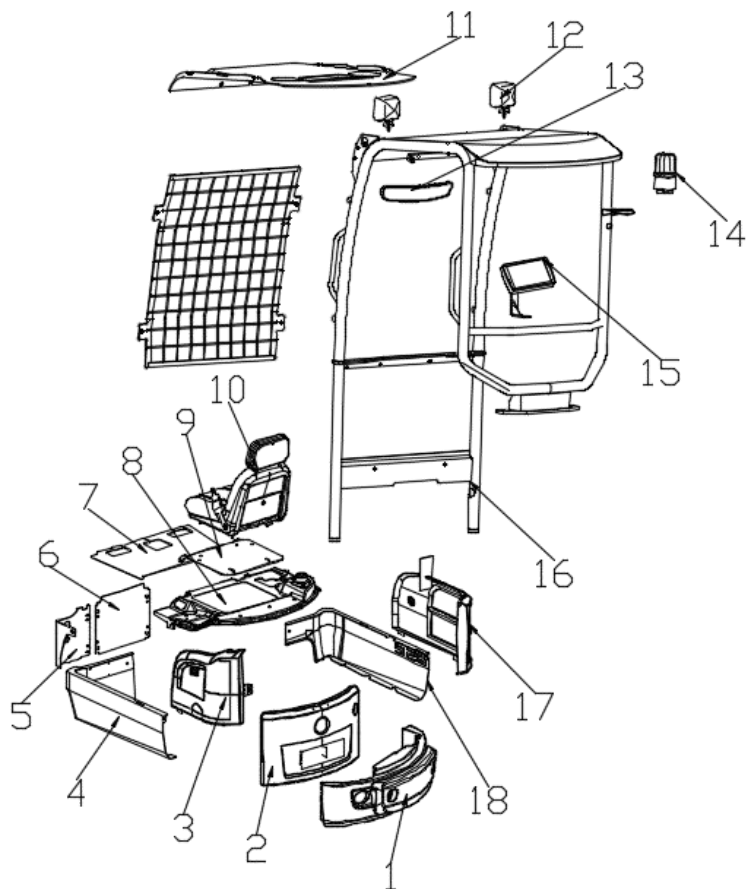
REF No.	Part No.	Part Name	Quantity	Remarks
1	LP0112010555	Oil cylinder guard plate	1	
2	LP0116030491	gasket ring	4	
3	LP011109015	Nylon block	1	
4	LP0115010122	Oil cylinder cylinder rod	1	
5	LP0115010121	Oil cylinder block	1	
6	LP0116010092	grease fitting	2	

1.5 Move arm cylinder assembly



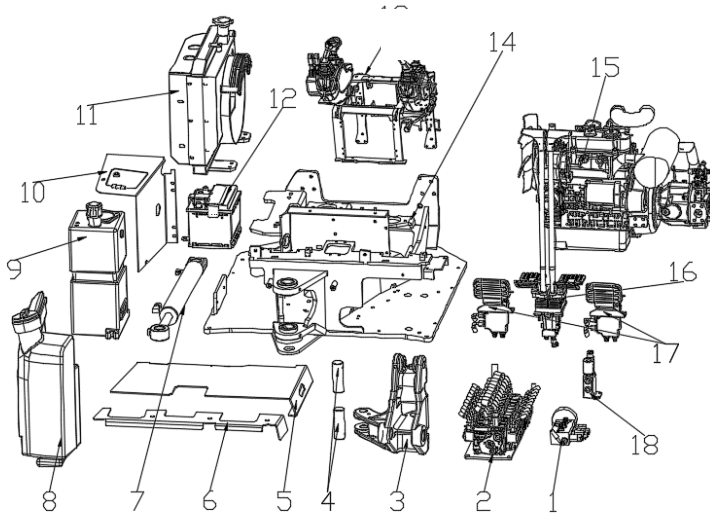
REF No.	Part No.	Part Name	Quantity	Remarks
1	LP0112010116	Oil cylinder guard plate	1	
2	LP0116010092	grease fitting	2	
3	LP0116030490	gasket ring	4	
4	LP011109015	Nylon block	1	
5	LP0115010119	Oil cylinder block	1	
6	LP0115010120	Oil cylinder cylinder rod	1	

2.1 Upper disc appearance assembly



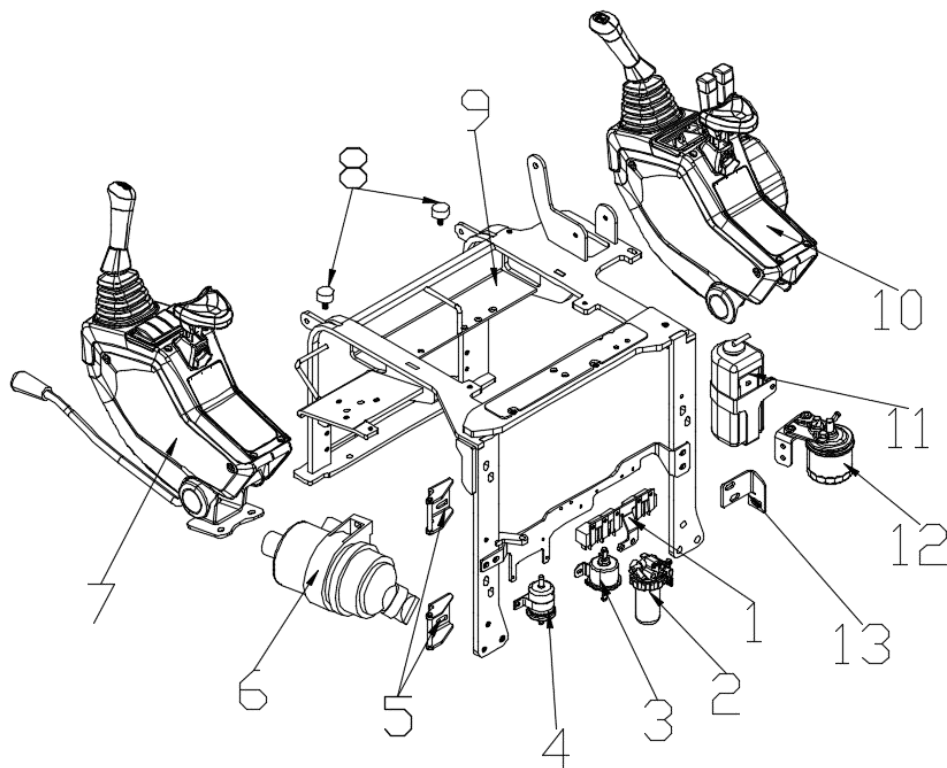
	Part No.	Part Name	Quantity	Remarks
1	LP0112010310	bob-weight	1	
2	LP0112011195	Rear cover	1	
3	LP0112011743	Left shield	1	
4	LP0112011809	Lower left shield	1	
5	LP0112010126	The left front guard of the seat	1	
6		Front seat protection plate	1	
7	LP0113050041	mat	1	
8	LP0112011821	Seat board	1	
9	LP0112010149	Seat fixing board	1	
10	LP0108040025	seat	1	
11	LP0105010022	Ceiling cover interior	1	
12		Ceiling headlights	2	
13	LP0111080521	Central control mirror	1	
14	LP0106020481	caution light	1	
15	LP0106040079	HD instrument display screen		
16	LP0108040025	The new can be demolished ceiling		
17	LP0112011710	Right shield		
18	LP0112011711	Lower right shield		

3.1 Upper disc internal assembly



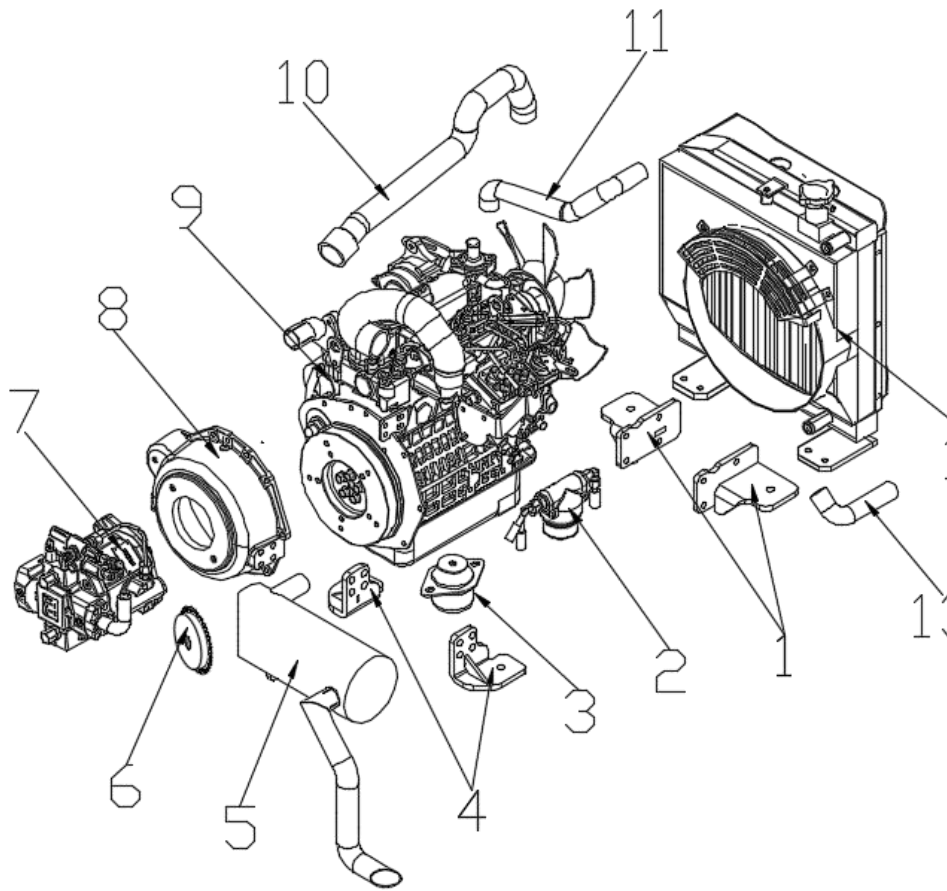
REF No.	Part No.	Part Name	Quantity	
1	LP0115030017	Oil source solenoid valve	1	
2	LP0101030012	Load-sensitive multiplex valve	1	
3	LP0112011023	Move the arm bracket	1	
4	LP0107021369	Move the arm bracket pin shaft	2	
5		Backfoot pedal	1	
6		Front foot pedal	1	
7	LP0115010031	boom cylinder	1	
8	LP0115040023	fuel tank	1	
9	LP0115040036	hydraulic oil tank	1	
10	LP0112010148	Fuel tank side protection plate	1	
11	LP0110020013	radiator	1	
12	LP0106010004	storage battery	1	
13	LP0112014080	Seat bracket	1	
14	LP0112014079	Full pilot on the plate spray plastic	1	
15	LP0119020044	Kubota D902 engine assembly	1	
16	LP0115030059	Double-pedal valve body	2	
17	LP0115030016	Single pedal valve	2	
18	LP0104010883	Hydraulic quick-change solenoid valve	1	

3.2 Seat bracket assembly



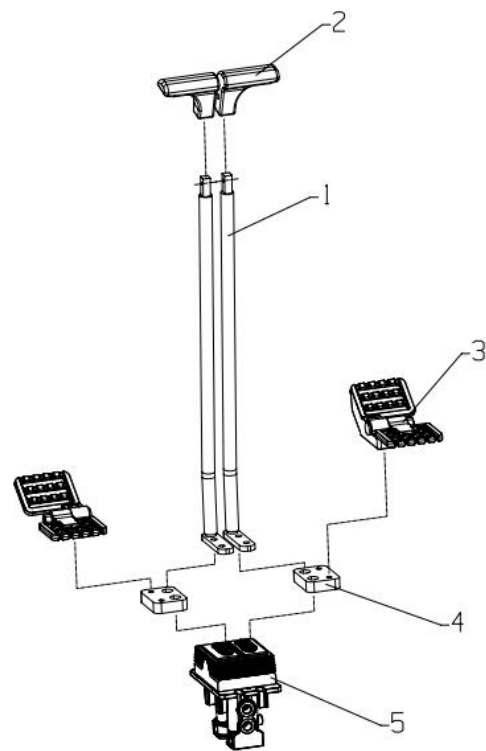
REF No.	Part No.	Part Name	Quantity	Remarks
1		electric relay	5	
2	LP0111020089	Oil-water separator	1	
3	LP0111020081	Electronic oil pump	1	
4	LP0111020082	Coarse filtration	1	
5	LP0112010158	Rear cover combination page	2	
6	LP0111010005	Empty filter	1	
7	LP0111030065	Left armrest box	1	
8	LP0111080127	shock pad	2	
9	LP0112014080	Seat bracket	1	
10	LP0111030066	Right armrest box	1	
11	LP0111080035	kettle	1	
12	LP0111020090	Diesel filter element	1	
13	LP0112010156	Rear door lock bracket	1	

3.3 power assembly

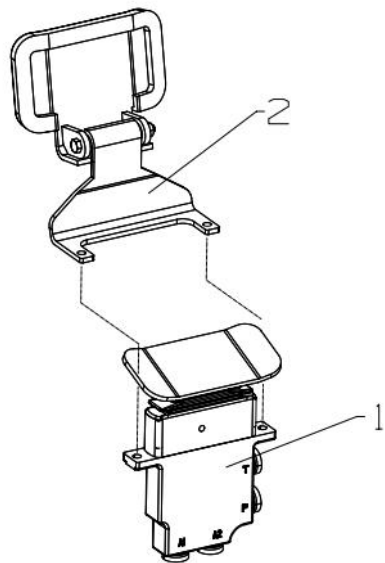


REF No.	Part No.	Part Name	Quantity	Remarks
1		Engine mounting plate fan side	2	
2	LP0115030049	Pilot filter	1	
3	LP0111020069	Engine shock absorption block	1	
4		Engine mounting plate pump side	2	
5	LP0114010161	muffle	1	
6	LP0102010019	clutch	1	
7	LP0101020002	ram pump	1	
8	LP0102010020	Flywheel cover shell	1	
9	LP0103020002	engine	1	
10	LP0113010236	Kubotata air filter into the air duct	1	
11	LP003010234	Jiubaotian water pipe	1	
12	LP0110020112	radiator	1	
13	LP0113010235	cess-pipe	1	

3.4 Foot valve assembly

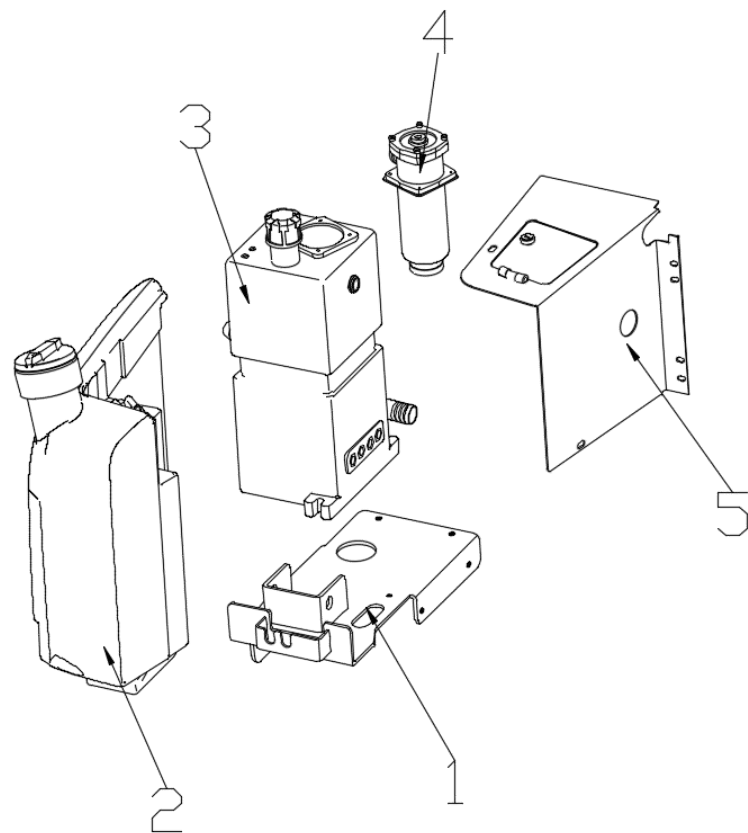


REF No.	Part No.	Part Name	Q/TY	REMARKS
1	LP0111080348	NDI355 Walking pole purchase parts	1	
2	LP0111080202	5 pilots on both sides. 18 three-cylinder. 20 tail. 30.30 Yanmar operating lever handle cover purchase parts	1	
3	LP0115030052	NDI355 Double-pedal valve foot pedal	2	
4	LP0115030053	NDI355 Double-pedal valve connection plate	2	
5	LP0115030059	NDI355 double foot valve body purchase parts	1	



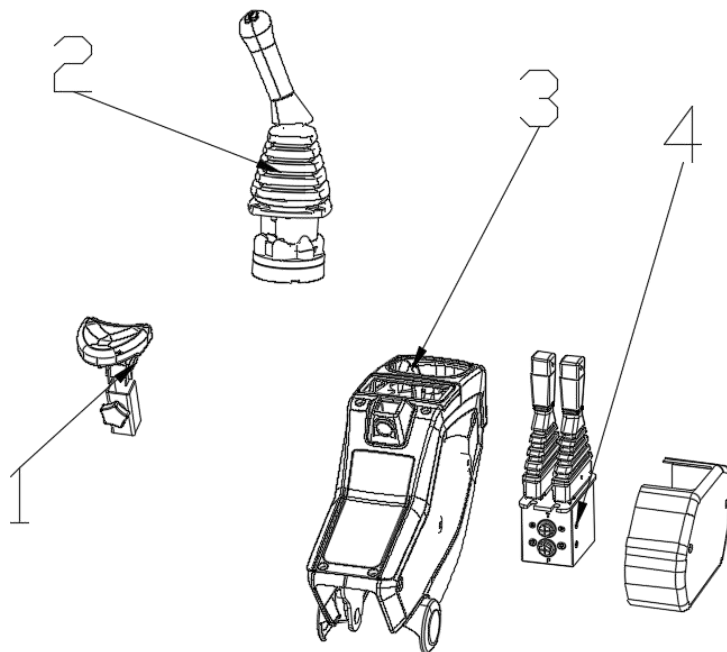
REF No.	Part No.	Part Name	Q/TY	REMARKS
1	LP0115030016	NDI355 Single joint foot valve procurement parts	2	
2	LP0115030066	NDI355 Single-coupling pedal valve cover plate	2	

3.5 Fuel tank assembly



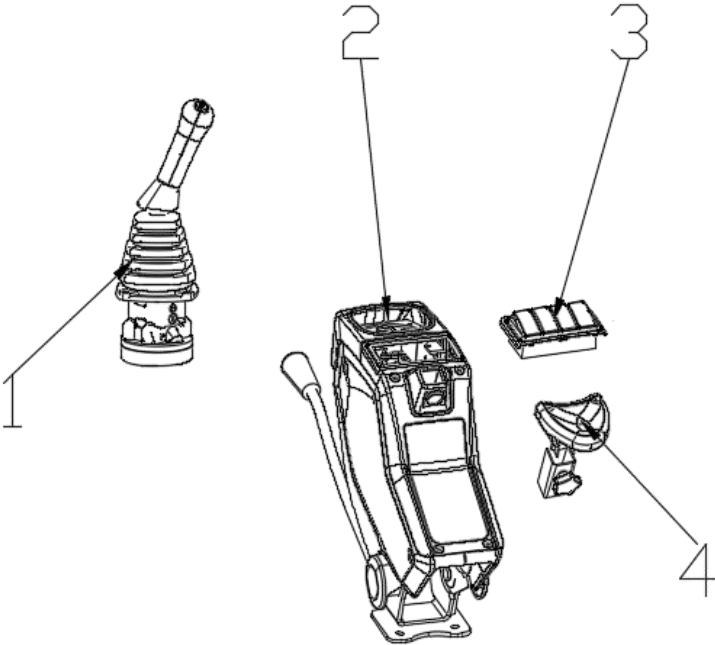
REF No.	Part No.	Part Name	Quantity	Remarks
1		Fuel tank fixing board	1	
2	LP0115040023	Diesel tank	1	
3	LP0115040111	hydraulic the oil tank	1	
4	LP0116020011	Return the oil filter element	1	
5	LP0112010148	Fuel tank side protection plate	1	

3.6 Right armrest box assembly



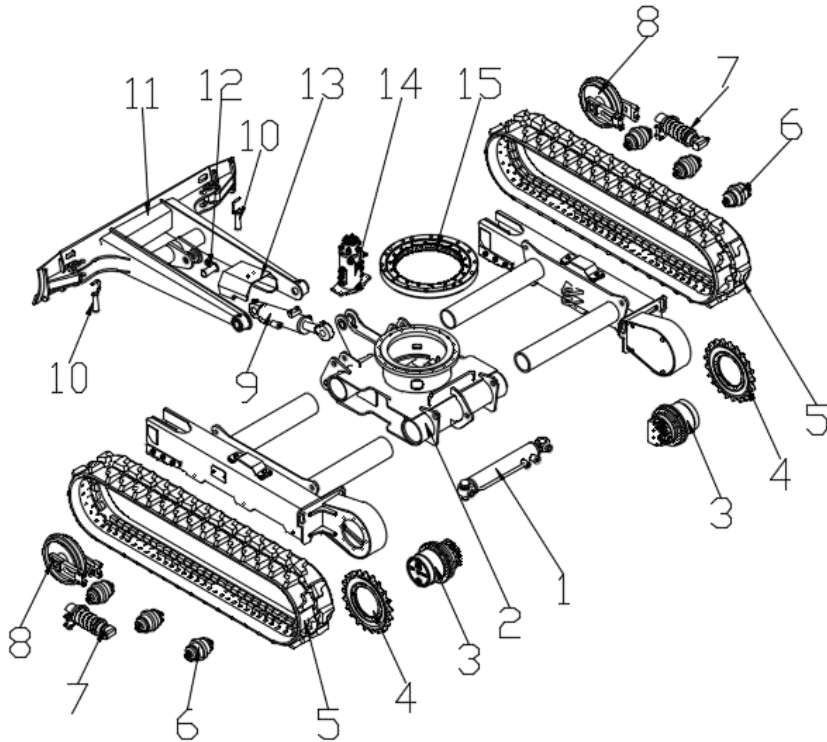
REF No.	Part No.	Part Name	Quantity	Remarks
1	LP0116030472	Trumpet armrest drag	1	
2	LP0115030006	Pilot right- hand handle	1	
3	LP0111030066	Right armrest box	1	
4	LP0115030072	Double push earth valve	1	

3.7、 Left armrest box assembly



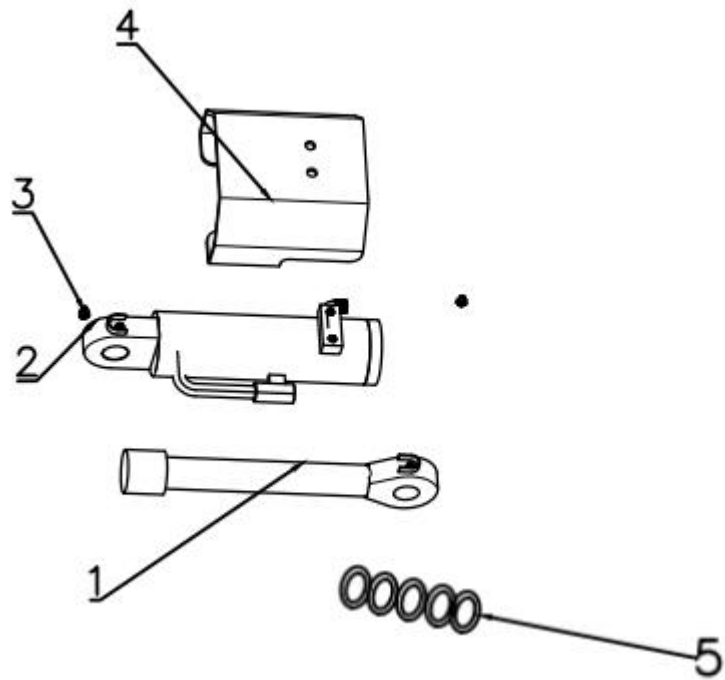
REF No.	Part No.	Part Name	Quantity	Remarks
1	LP0115030005	Lead left-hand handle	1	
2	LP0111030065	Left armrest box	1	
2		Turn plate switch	1	
3	LP0116030472	Trumpet armrest drag	1	

4.1 Retracement lower disc assembly



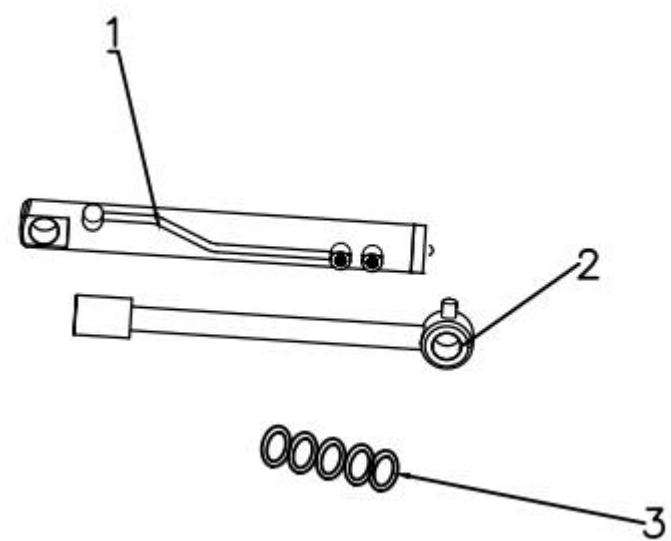
REF No.	Part No.	Part Name	Q/TY	Remarks
1	LP0115010032	telescopic cylinder	1	
2	LP0112014081	The lower plate spray plastic	1	
3	LP0102090006	driving wheel	4	
4	LP0102020007	Walking motor	2	
5	LP0102110006	track	2	
6	LP0102060002	thrust wheel	6	
7	LP0102070009	The tightening device	2	
8	LP0102070004	guide pulley	2	
9	LP0115010029	Push soil oil cylinder	1	
10	LP0107050043	Push earth shovel pin shaft	2	
11	LP0112013988	dozer blade	1	
12	LP0107021380	Tushovel cylinder pin shaft	1	
13	LP0102040003	Bulldozer cylinder guard	1	
14	LP0102050002	Central rotary joint	1	
15	LP0102040003	Rotary support	1	

4.2、 Push soil shovel cylinder



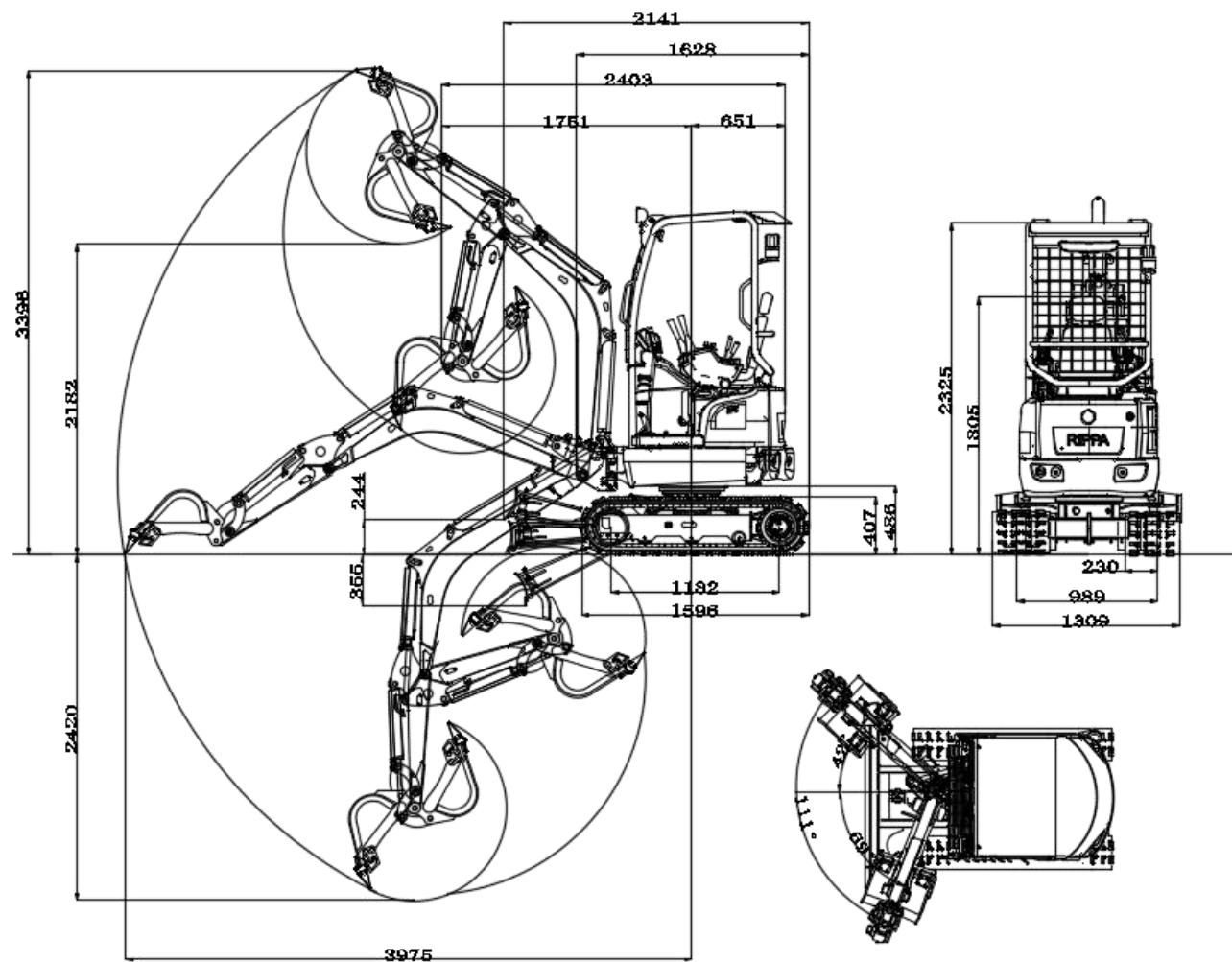
REF No.	Part No.	Part Name	Quantity	Remarks
1	LP0116010092	grease fitting	2	
2	LP0115010129	Oil cylinder block	1	
3	LP0115010130	Oil cylinder cylinder rod	1	
4	LP0116030494	Piston group	1	
5	LP0109011620	Bulldozer cylinder plate	1	

4.3、 Telescopic cylinder



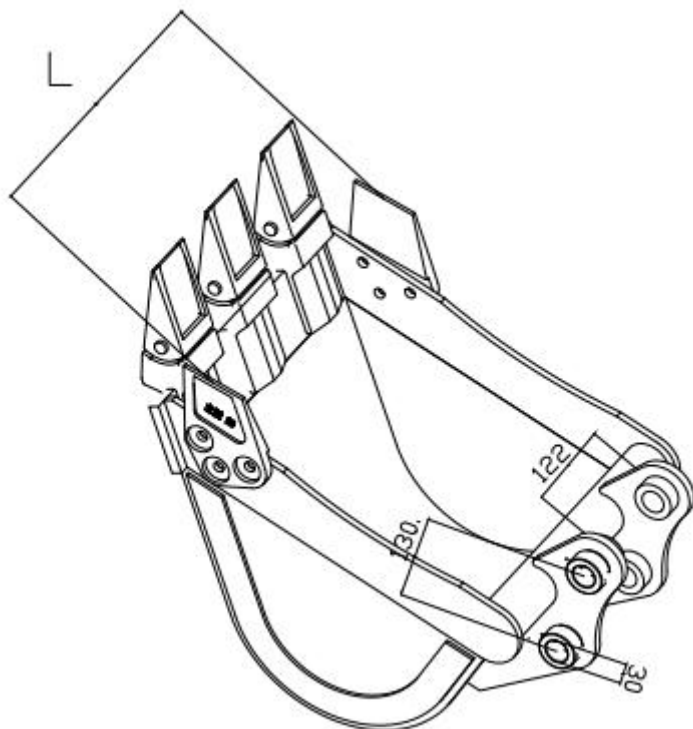
REF No.	Part No.	Part Name	Quantity	Remarks
1	LP0115010125	Oil cylinder block	1	
2	LP0115010126	Oil cylinder cylinder rod	1	
3	LP0116030492	Piston ring group	1	

5.R18-3 envelope diagram



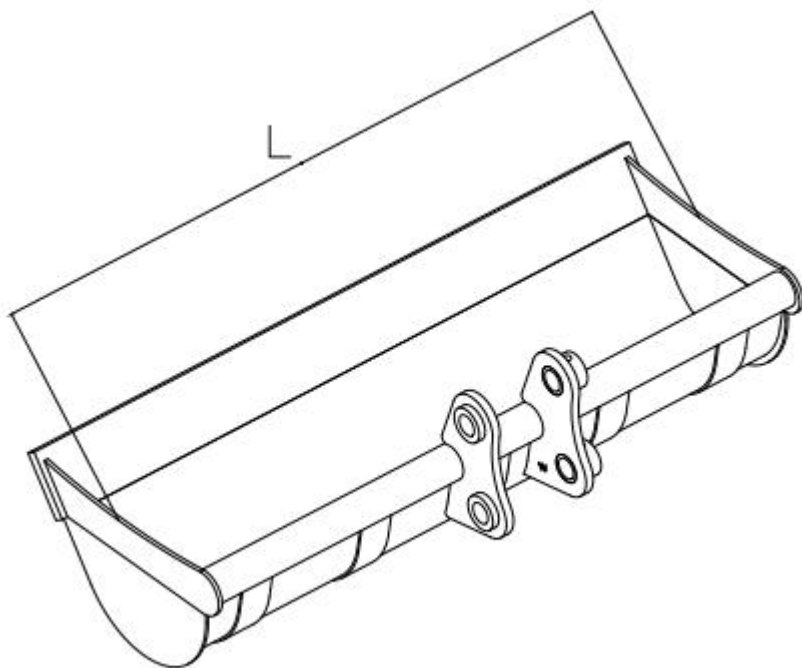
unit: mm

6. 1 Bucket (auxiliary equipment)



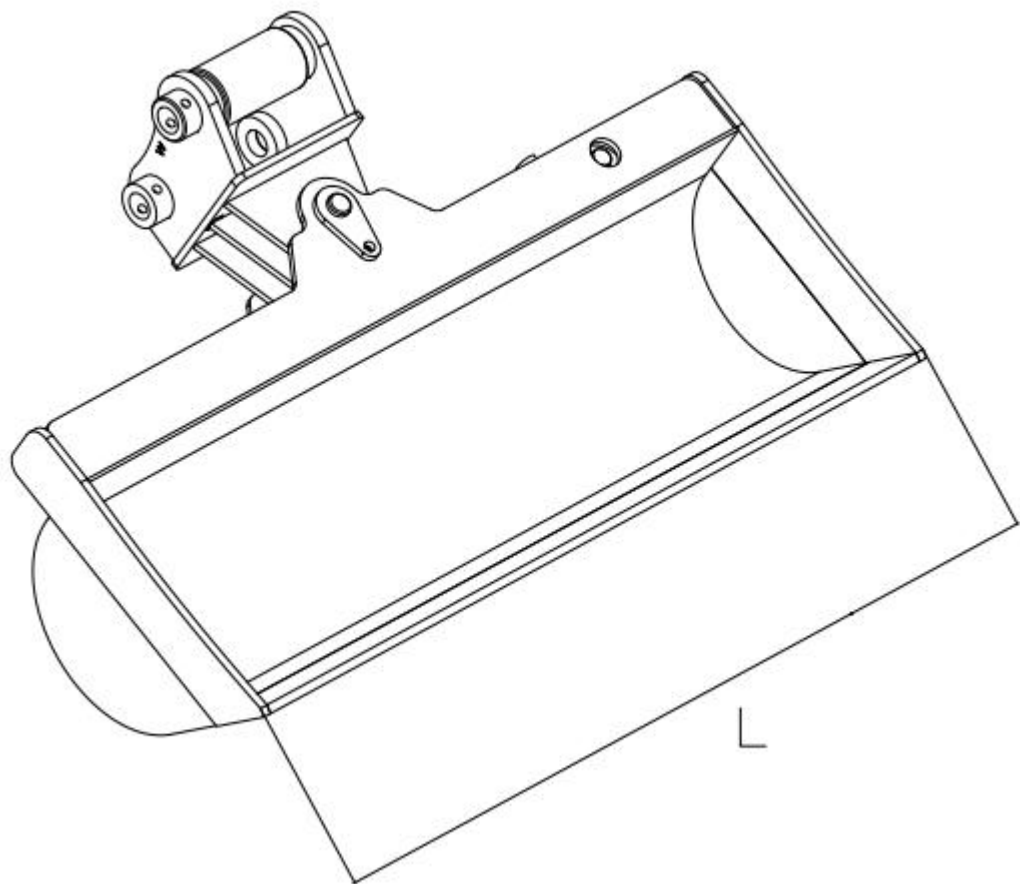
REF No.	Part No.	Part Name	Q/T Y	Remarks
1	LP0104010568	L330 Deflection / L335W-bucket-200-purchased		
2	LP0104010569	L330 Deflection / L335W-bucket-300-purchased		
3	LP0104010567	L330 Deflection / L335W-bucket-400-Purchase		
4	LP0104010578	L330 Deflection / L335W-bucket-500-purchased		
5	LP0104010570	L330 Deflection / L335W-bucket-600-Purchase		
6	LP0104010571	L330 Deflection / L335W-bucket-800-purchased		
7	LP0104010574	L330 Deflection / L335W-bucket-1000-purchased		
8	LP0104010961	L330 deflection / L335-1200 bucket		

6. 2 Mud hopper (auxiliary equipment)



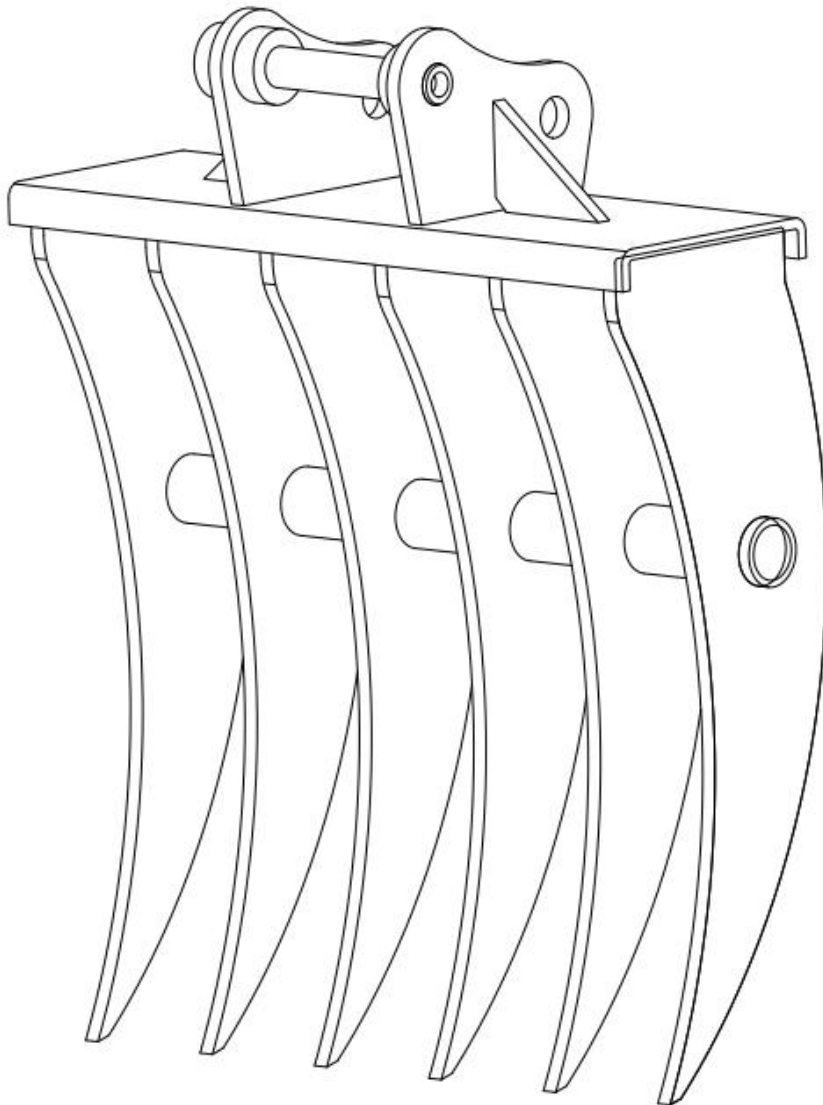
REF No.	Part No.	Part Name	Q/T Y	Remarks
1	LP0104011020	L330 deflection / L335W-mud bucket-250 (ramp) procurement parts		
2	LP0104010585	L330 expansion / L335W-mud bucket-300 (ramp) -purchased parts		
3	LP0104010586	L330 deflection / L335W-mud bucket-400 (ramp) -purchased parts		
4	LP0104010587	L330 deflection / L335W-mud bucket-600 (ramp) -purchased parts		
5	LP0104010588	L330 deflection / L335W-mud bucket-750 (ramp) -purchased parts		
6	LP0104010589	L330 deflection / L335W-mud bucket-800 (ramp) -purchased parts		
7	LP0104010590	L330 Retractable / L335W-mud bucket-1000 (ramp) -purchased parts		

6. 3 Inclined bucket (auxiliary equipment)



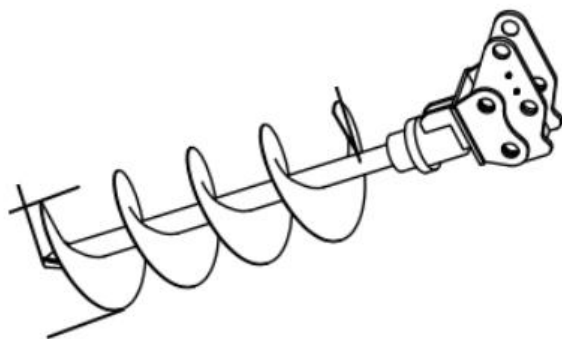
REF No.	Part No.	Part Name	Q/T Y	Remarks
1	LP0104010196	L330 deflection L335-800 (ramp) single-cylinder tilt purchase		
2	LP0104011134	L330 deflection L335-800 (ramp) double cylinder tilt bucket purchase parts		
3	LP0104010198	L330 deflection L335-1000 (ramp) single-cylinder tilt purchase		
4	LP0104010197	L330 deflection L335-1000 (ramp) double cylinder tilt bucket purchase parts		

6.4 .Rake (auxiliary equipemnt)



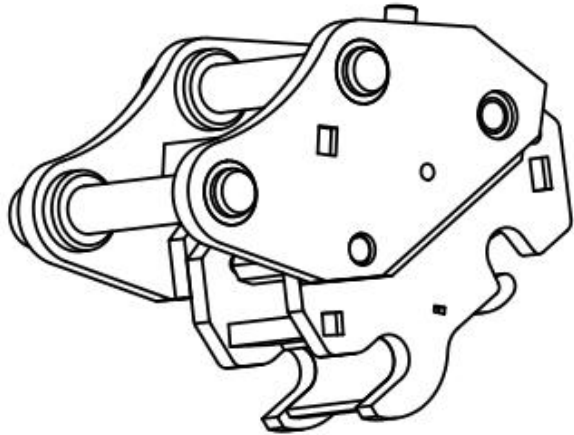
REF No.	Part No.	Part Name	Q/T Y	Rema rks
1	LP0104010572	L330 deflection / L335W-Rake-600-purchased parts		
2	LP0104010576	L330 deflection / L335W-rake-400-purchased parts		
3	LP0104010579	L330 deflection / L335W-rake-800-purchased parts		

6. 5. Rotary drilling (auxiliary equipment)



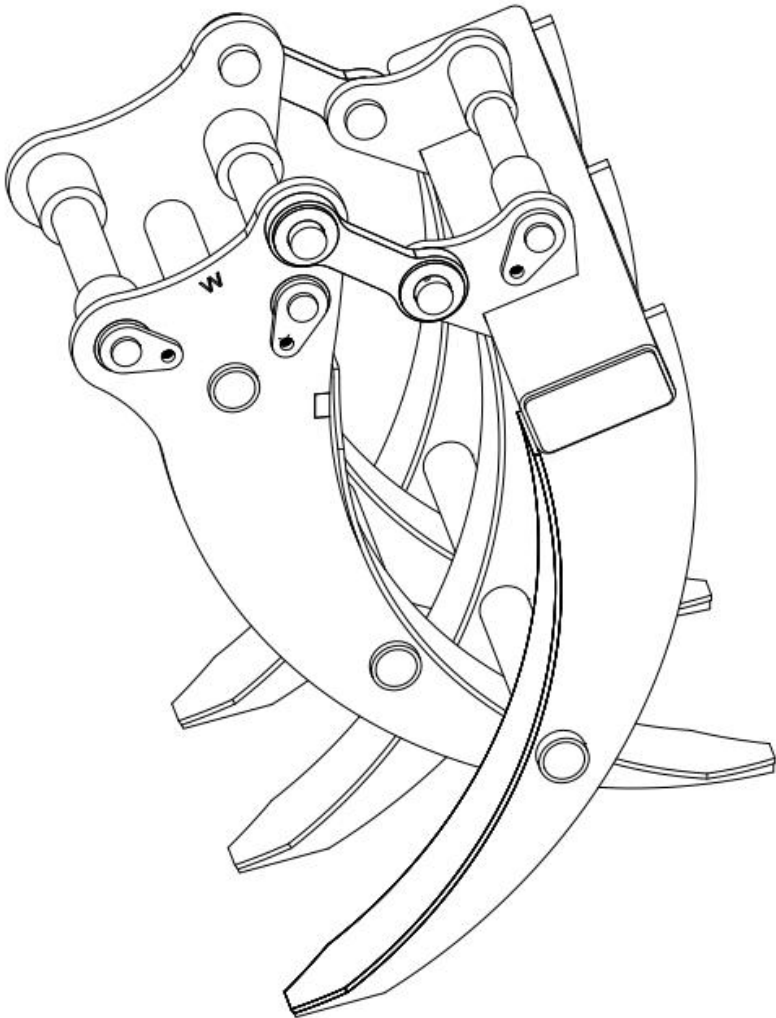
REF No.	Part No.	Part Name	Q/TY	Remarks
1	LP0104010051	L330 deflection / L335W-80cm long diameter 15cm rotary excavation drill procurement parts		
2	LP0104010056	L330 deflection / L335W-80cm long diameter 20cm rotary excavation drill procurement parts		
3	LP0104010061	L330 deflection / L335W-80cm long diameter 30cm rotary excavation drill procurement parts		
4	LP0104010066	L330 deflection / L335W-80cm long diameter 40cm rotary excavation drill procurement parts		
5	LP0104011147	L330 deflection / L335W-100cm long diameter 30cm rotary excavation drill procurement parts		
6	LP0104010081	L330 deflection / L335W-120cm long diameter 25cm rotary excavation drill procurement parts		
7	LP0104010086	L330 deflection / L335W-120cm long diameter 30cm rotary excavation drill procurement parts		
8	LP0104011160	L330 deflection / L335W-120cm long diameter 45cm reducer rotary dig drill procurement parts		
9	LP0104010091	L330 deflection / L335W-150cm long diameter 10cm rotary excavation drill procurement parts		
10	LP0104010121	L330 deflection / L335W-150cm long diameter 20cm rotary drill (with reducer) procurement parts		
11	LP0104010123	L330 deflection / L335W-150cm long diameter 30cm rotary excavation drill (with speed reducer) procurement parts		
12	LP0104010132	L330 deflection / L335W-150cm long diameter 40cm rotary excavation drill (with speed reducer) procurement parts		

6.6 Change quickly (auxiliary equipemnt)



REF No.	Part No.	Part Name	Q/TY	Remarks
1	LP0104010235	R322L mechanical card buckle quick replacement purchase parts		
2	LP0104011409	R18-3 hydraulic quick replacement purchase parts		
3	LP0104010736	L330 side swing / L335W screw quick replacement purchase parts		
4	LP0104010974	L335 tilt quick change purchase parts		
5	LP0104010982	L330 deflection / L335 tilt hydraulic quick replacement purchase parts		

6.7 Wood gripper (auxiliary equipemnt)



REF No.	Part No.	Part Name	Q/TY	Remarks
1	LP0104010835	L330 deflection / L335W wood grab purchase piece		
2	LP0104010305	L330 deflection / L335 light grab purchase		
3	LP0104010207	L330 Biwing / L335 Hydraulic rotary wood purchase		