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## **side-sway**

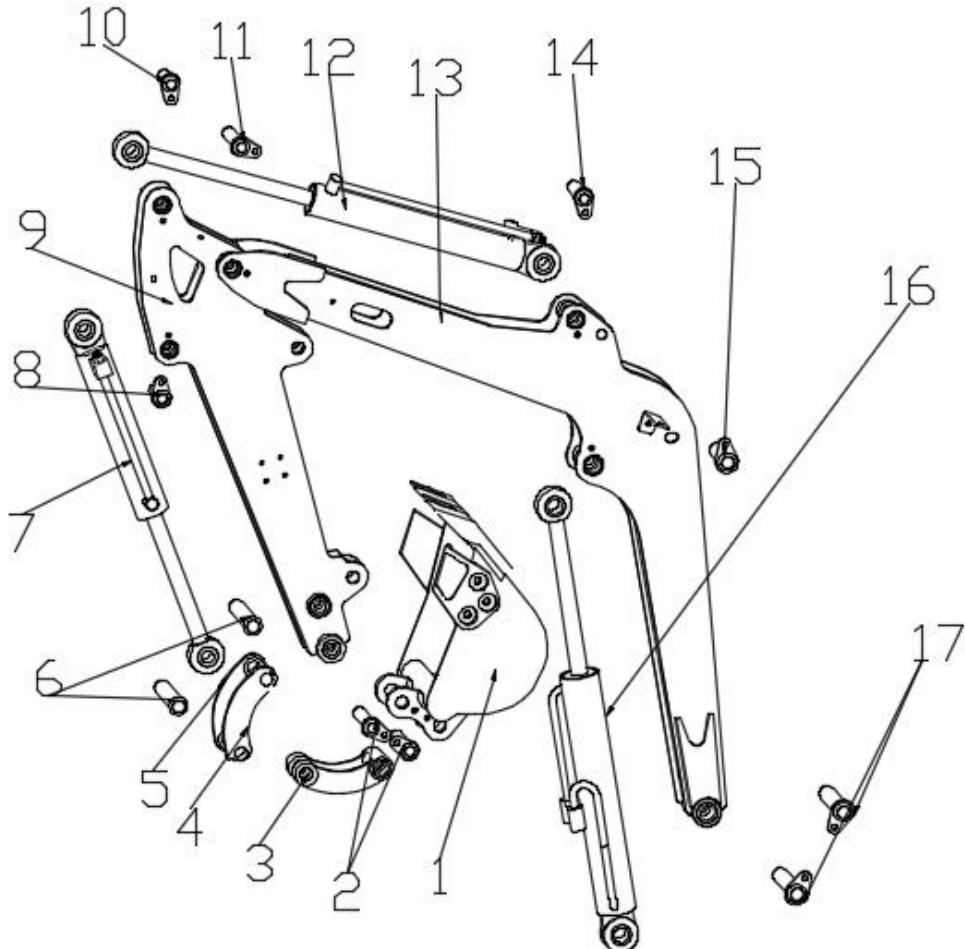
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**Standard configuration**

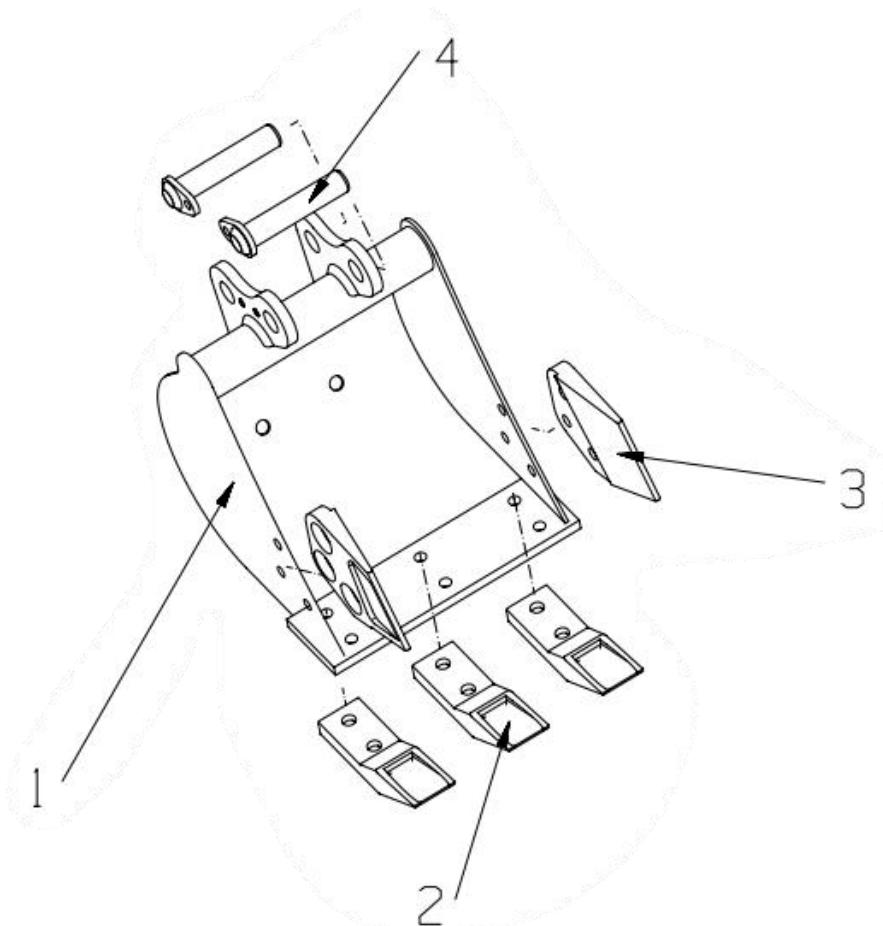
**R10-5-Eco-XD-JBT-CLB-0-0-Y-DP-0-X-CY**

## 1.1Working device



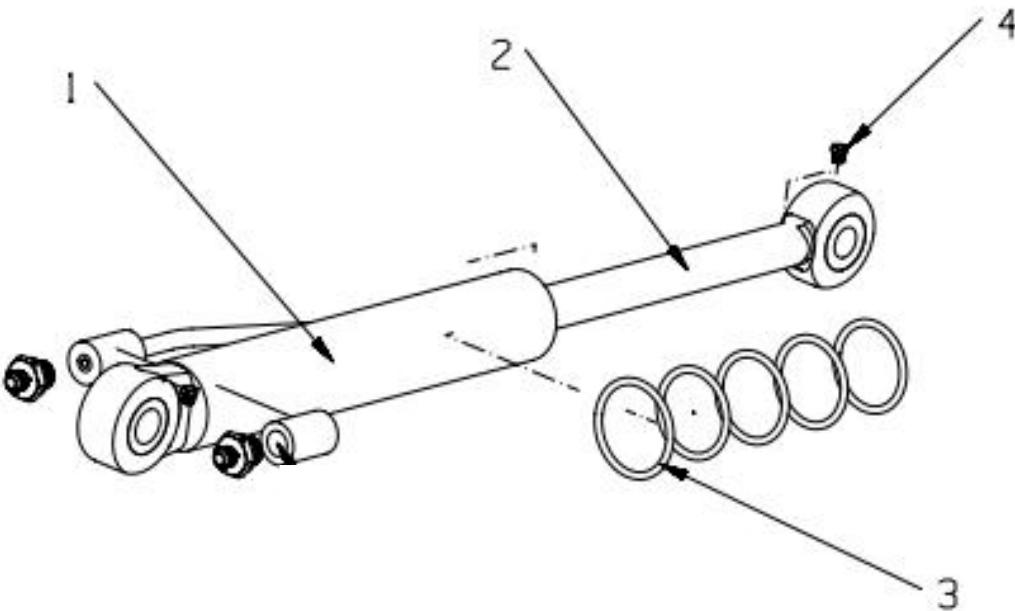
REF NO.	Part NO.	Part Name	Q/TY	REMARK S
1	LP0104010976	R319N-300 bucket (traffic blue)	1	
2	LP0107021006	Dig bucket fixed shaft	2	
3	LP0112012555	Casting connecting rod	1	
4	LP0112013284	Cast rocker (without holes)	1	
5	LP0112012556	Cast rocker (with hole)	1	
6	LP0107021005/ LP0107050036	319N rocker with fixed shaft/319N rocker with fixed shaft (Butter mouth)	2	
7	LP0115010009	Shovel bucket cylinder	1	
8	LP0107021004	319N 斗杆油缸前叉/铲斗油缸后叉固定轴	1	
9	LP0112012864	dipper	1	
10	LP0107021004	319N 斗杆油缸前叉/铲斗油缸后叉固定轴 r	1	
11	LP0107021003	The rear fork of the bucket bar has fixed the shaft	1	
12	LP0115010008	The bucket pole cylinder	1	
13	LP0112012863	swing arm	1	
14	LP0107021002	The rear fork of the barrel cylinder holds the shaft	1	
15	LP0107021001	Front fixing shaft of the boom cylinder	1	
16	LP0115010007	Move the arm cylinder	1	
17	LP0107021000	Rear fixed shaft of the boom cylinder	2	

## 1.2bucket



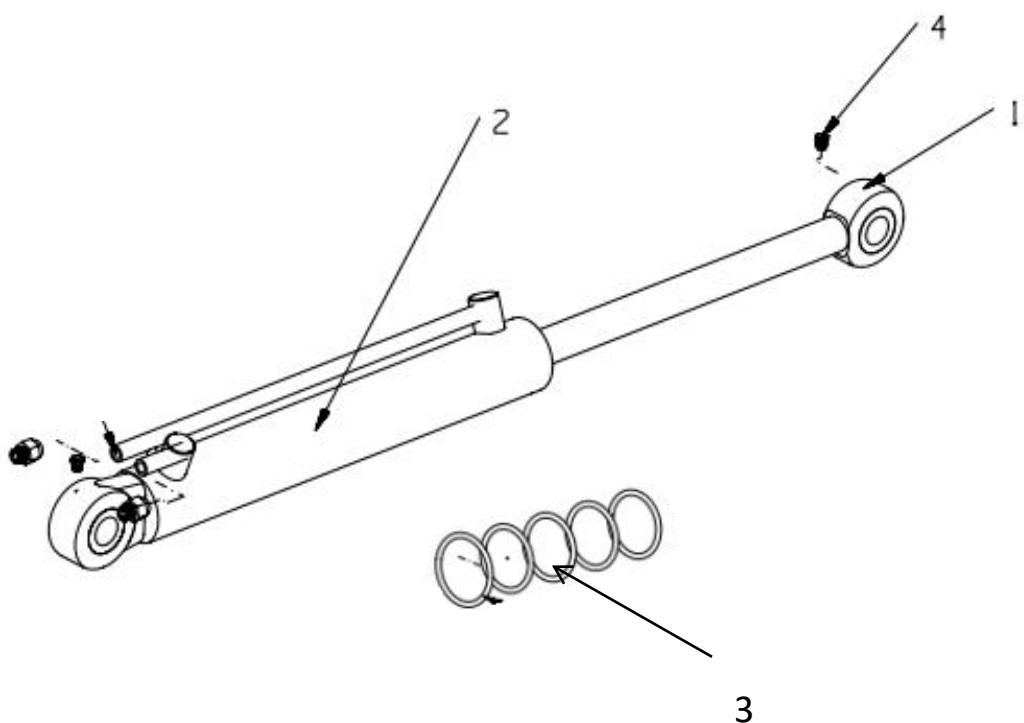
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0104010976	R319N bucket-300	1	
2	LP0111080032	Spur teeth	3	
3	LP011109078	Side teeth	2	
4	LP0107021006	R319N dig bucket pin shaft	2	

### 1.3 Dock cylinder assembly



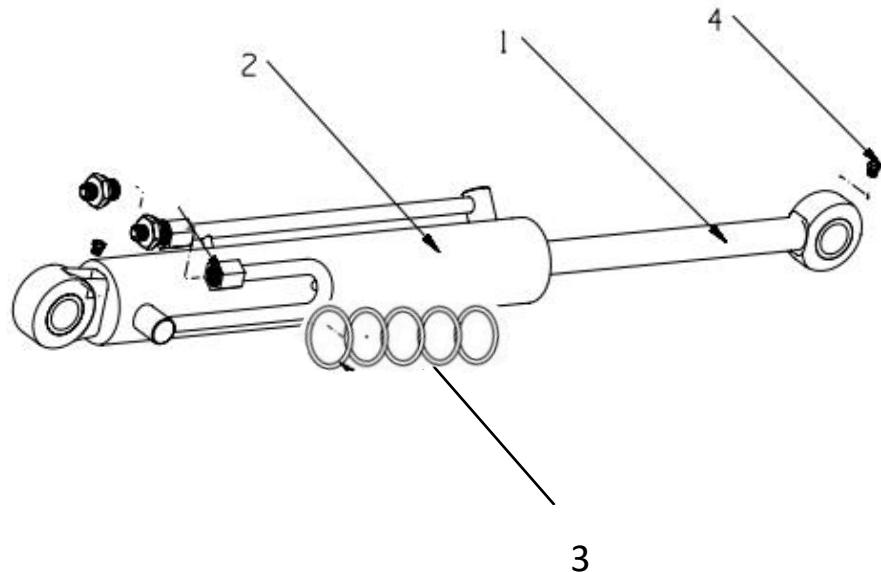
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
	LP0115010008	10 bar cylinder assembly	1	
1	LP0115010133	10 bucket bar oil cylinder rod	1	
2	LP0115010134	10 bucket cylinder block	1	
3	LP0116030475	10 bucket piston ring set	1	
4	LP0116010092	Butter mouth 10 * 1	2	

## 1.4 Dock cylinder assembly



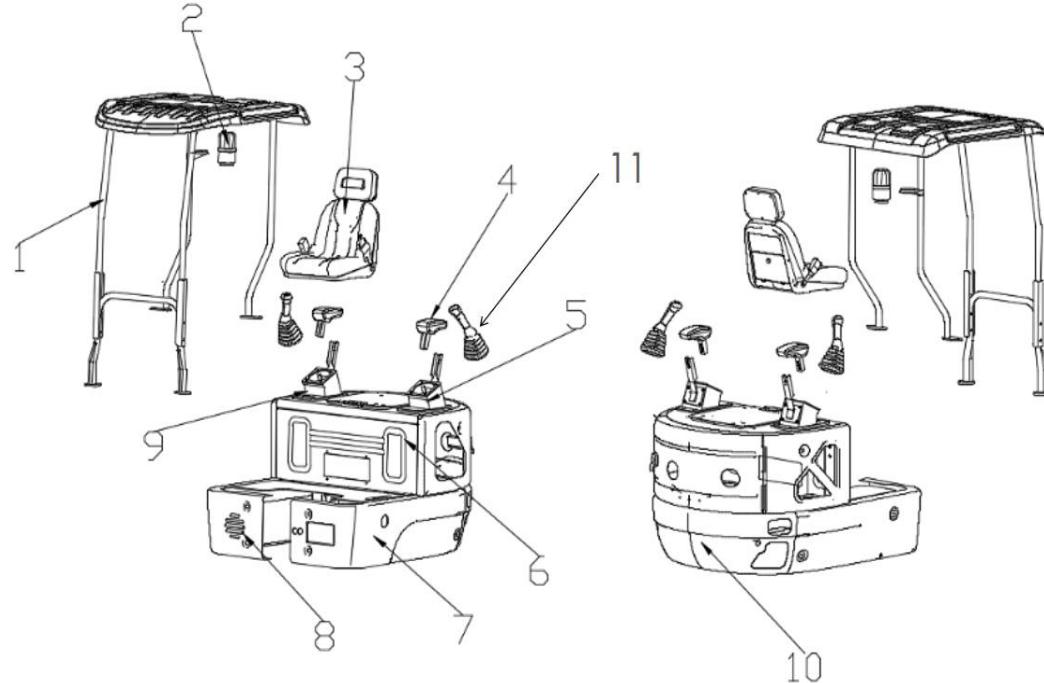
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
	LP0115010008	10 bar cylinder assembly	1	
1	LP0115010133	10 bucket bar oil cylinder rod	1	
2	LP0115010134	10 bucket cylinder block	1	
3	LP0116030475	10 bucket piston ring set	1	
4	LP0116010092	Butter mouth 10 * 1	2	

## 1.5 Move arm cylinder assembly



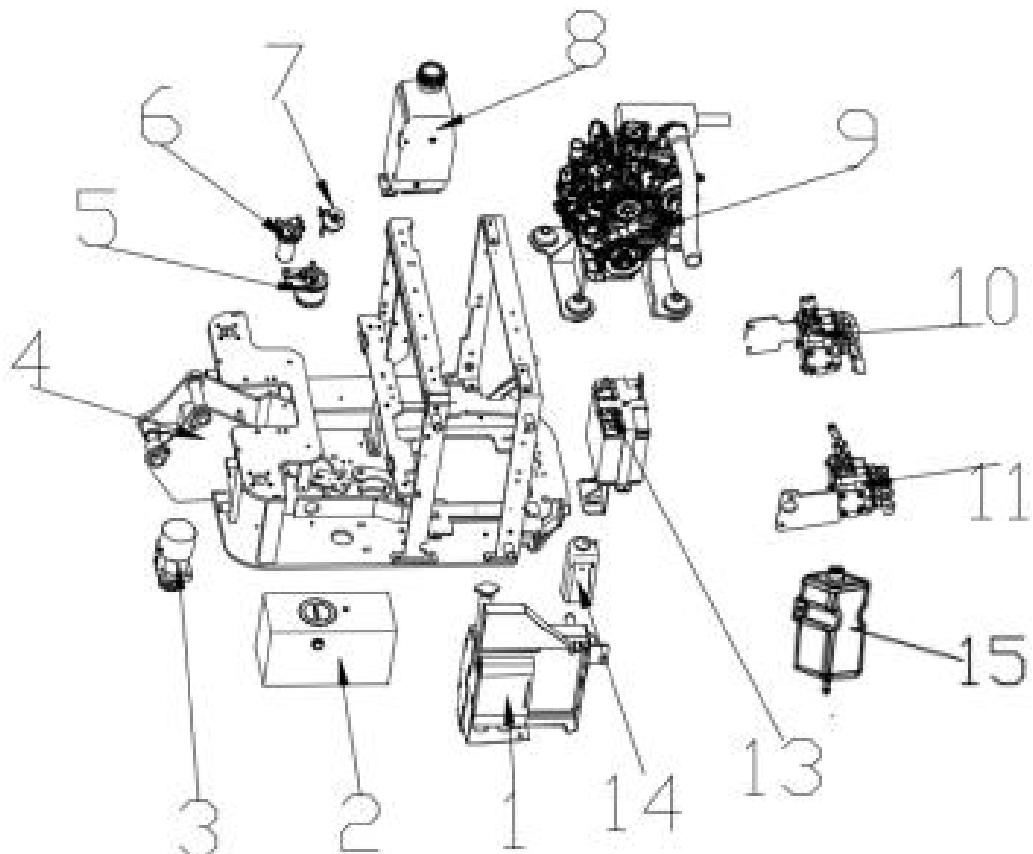
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
	LP0115010007	10 Boom oil cylinder assembly	1	
1	LP0115010135	10 Boom cylinder cylinder rod	1	
2	LP0115010136	10 The boom cylinder block	1	
3	LP0116030474	10 The boom piston sealing ring	1	
4	LP0116010092	Butter mouth 10 * 1	2	

## 2.1 Upper disc appearance assembly



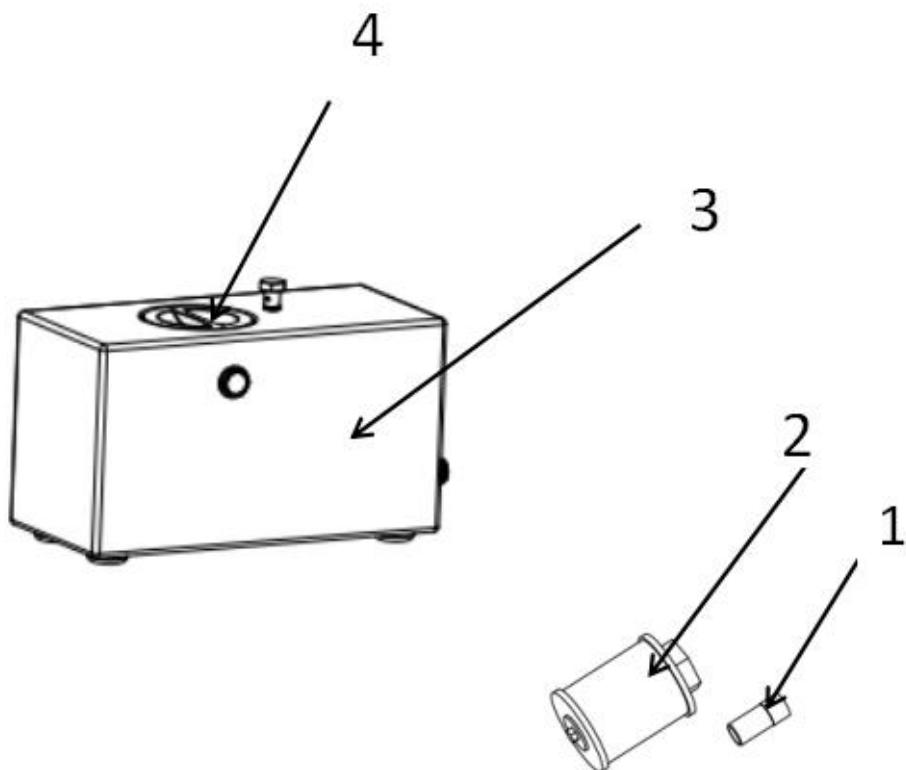
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0108020057	Lightweight, removable, four-legged roof	1	
2	LP0106020481	The R10-5 warning light	1	
3	LP0108040025	Seats purchase parts	1	
4	LP011109549	Purchase parts of armrest box support	2	
5	LP0111030069	Purchase parts of the left armrest box	1	
6	LP0112012874	Seat cover	1	
7	LP0112012871	Lower left enclosure	1	
8	LP0112020141	Lower right enclosure	1	
9	LP0111030070	Purchase parts of the right armrest box	1	
10	LP0112020142	After the weight	1	
11	LP0111080497	100-2 with key operating handle	2	

### 3.1Upper disc internal assembly



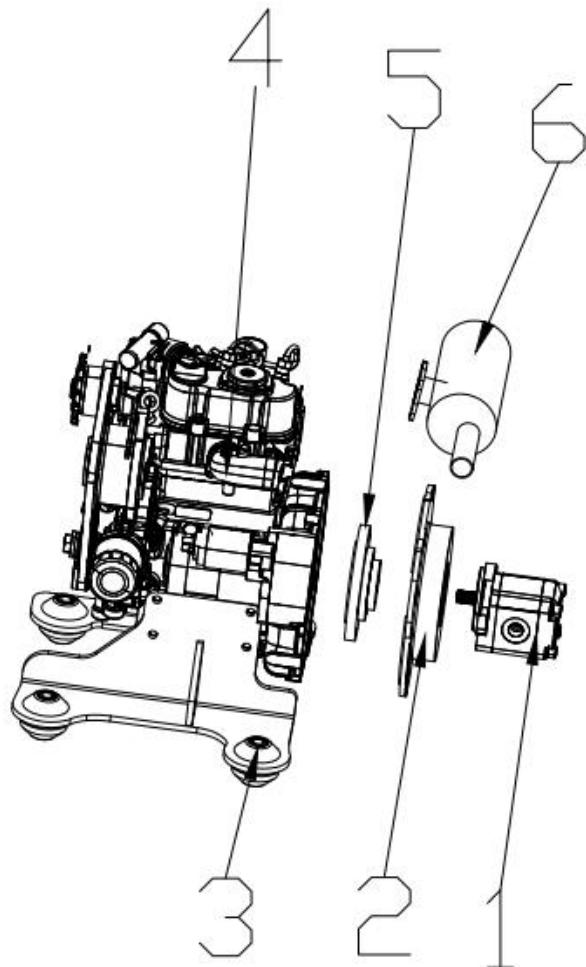
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0110020106	radiator	1	
2	LP0115040099	hydraulic oil tank	1	
3	LP0102030001	rotary motor	1	
4	LP0112011642	On the plate spray plastic	1	
5	LP0111020185	Diesel filter element	1	
6	LP0111020325	decanter	1	
7	LP0111020124	Electronic oil pump	1	
8	LP0115040109	Plastic diesel tank	1	
9	LP0119020175	Engine parts	1	
10	LP0101030061	Two valves	1	
11	LP0101030062	The bucket bar turns a two-way valve	1	
13	LP0106010012	Battery purchase parts	1	
14	LP0111080035	kettle	1	
15	LP0115040116	Secondary oil pot	1	

### 3.2 Hydraulic tank assembly



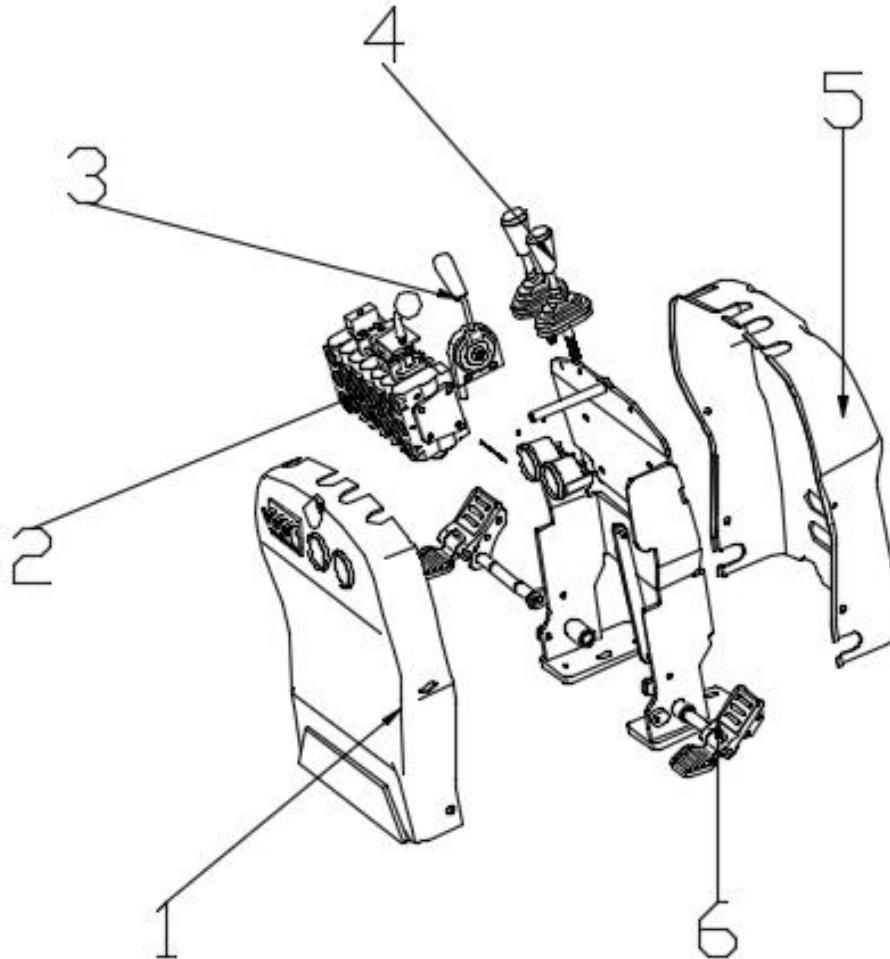
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0111050011	Plastic hydraulic oil outlet oil filter element	1	
2	LP0115030069	Built-in oil return element in the tank	1	
3	LP0115040099	Side swing hydraulic tank	1	
4	LP0109012272	Side-swing hydraulic fuel tank lid	1	

### 3.3 Engine assembly



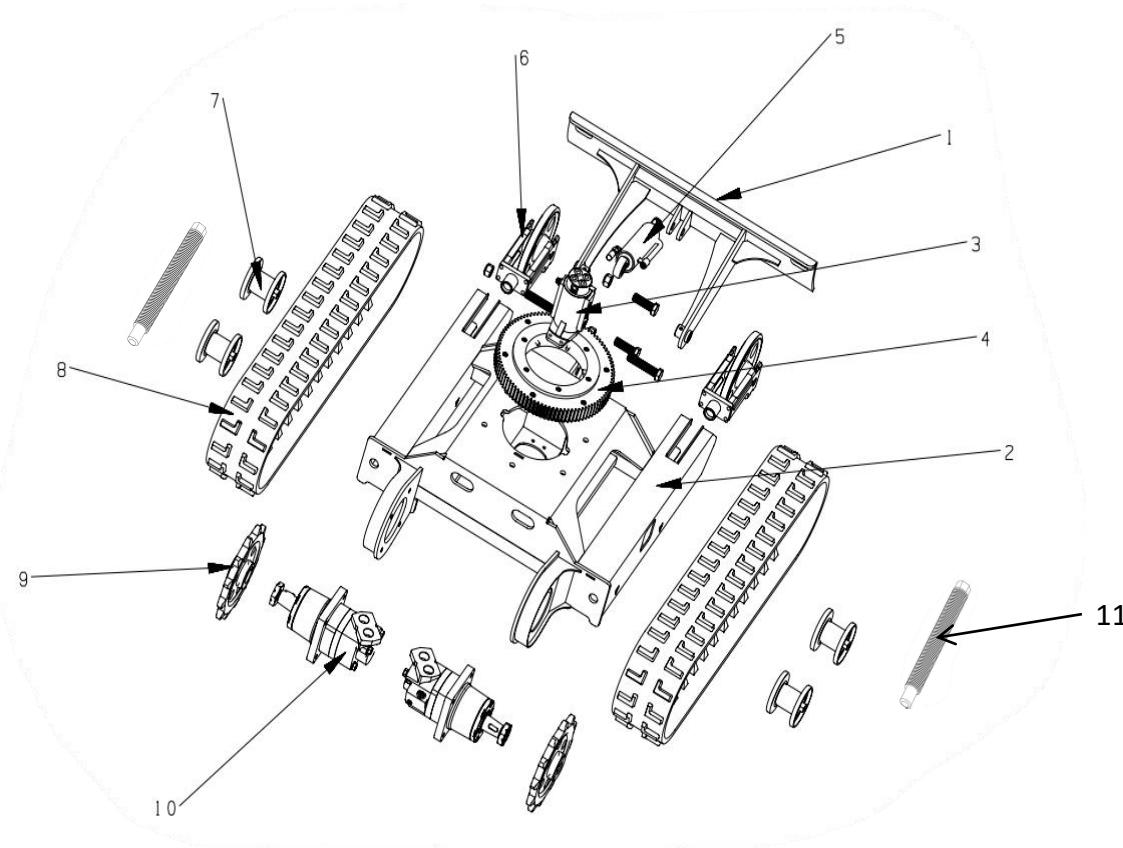
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0101010004	gear pump	1	
2	LP0102010037	bell housing	1	
3	LP0111020020	shock pad	8	
4	LP0103020005	The Kubota Z482 engine at No	1	
5	LP0102010038	clutch	1	
6	LP0114010171	muffle	1	

### 3.4 Multiplex valve assembly



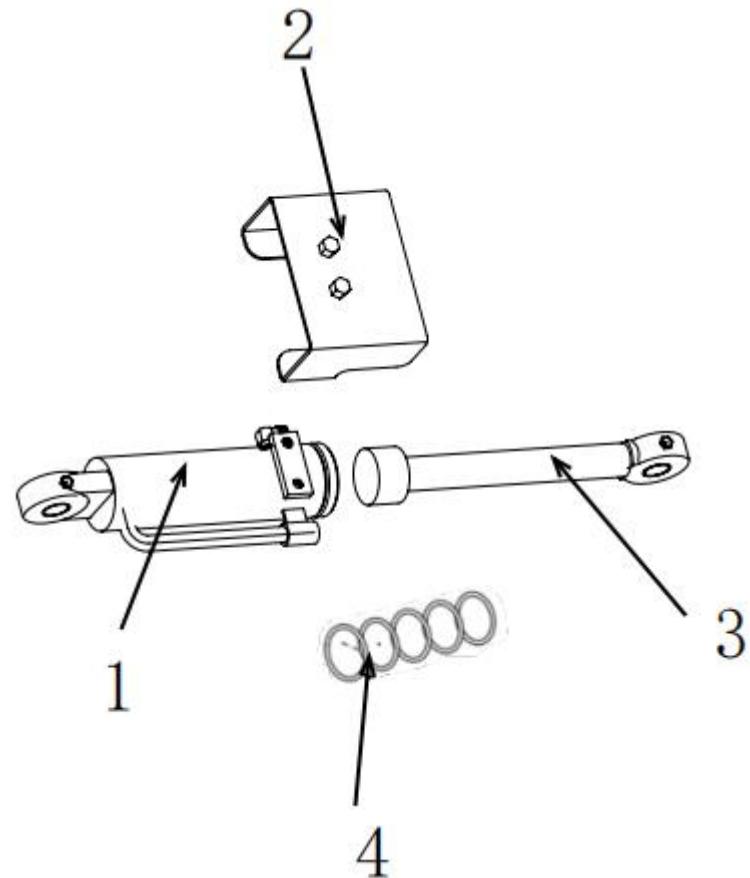
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0112013544	Multi-way valve protective cover complete set (front)	1	
2	LP0101030060	Five road multiple valve	1	
3	LP0111060009	Throttle pull line	1	
4	LP011109546	New walking lever	2	
5	LP0112013544	Multiplex valve cover set (rear)	1	
6	LP0117020014	foot plate	2	

## 4.1Lower disc assembly



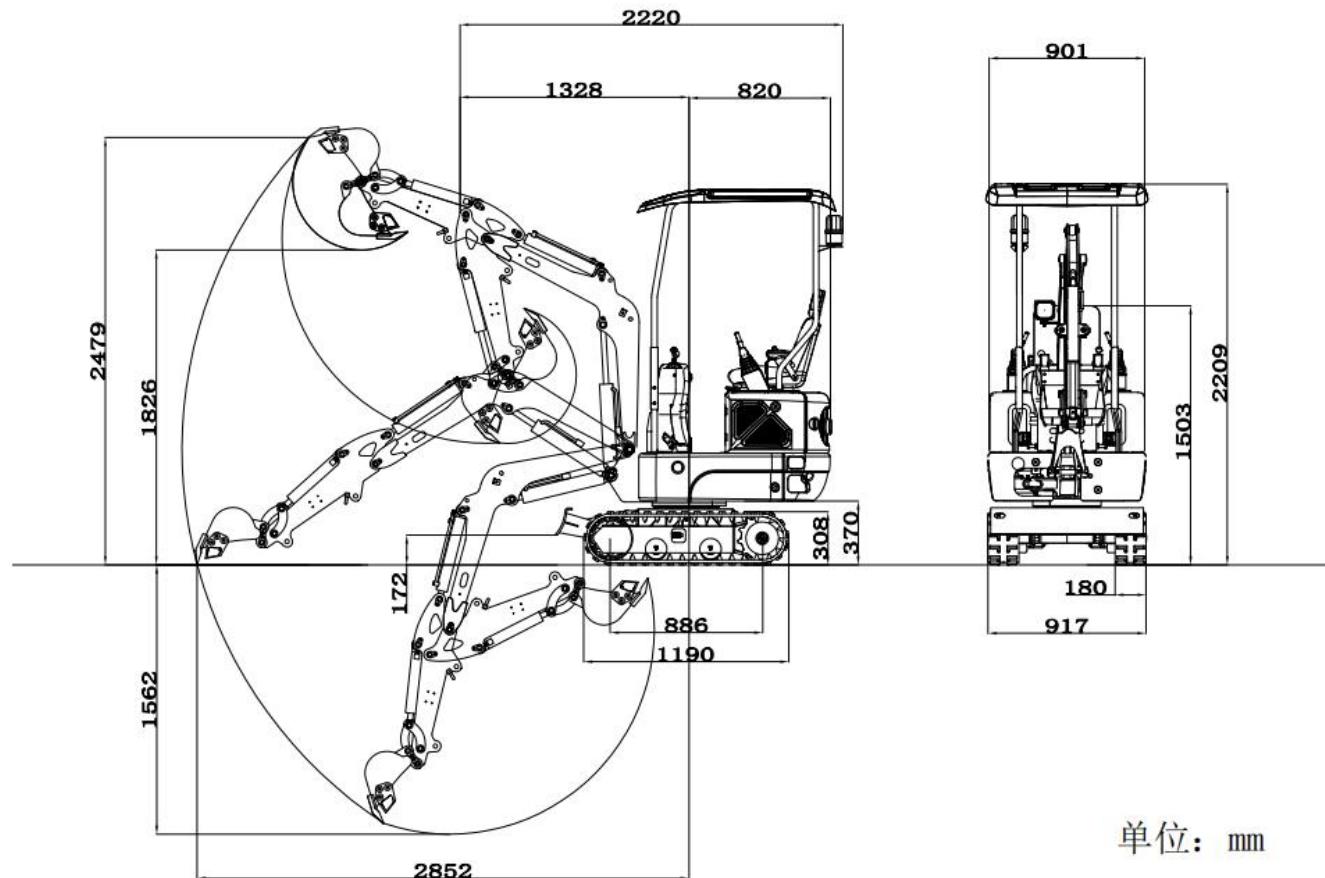
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0112010042	R319N bulldozing	1	
2	LP0112011675	R319N-X down the car frame	1	
3	LP0102050005	6-way central rotary connector	1	
4	LP0102040001	Central rotary support	1	
5	LP0115010010	Push soil shovel cylinder	1	
6	LP0102070002	R319N guide wheel procurement parts	2	
7	LP0102060001	R319N wheel	4	
8	LP0102110002	R319N rubber track	2	
9	LP0102090010	The NDI series of drive wheels	2	
10	LP0102020019	The R319N-4K315 walking motor	2	
11	LP0116011175	R319N tighten the rod	2	

## 4.2 Lower disc assembly



REF NO.	Part NO.	Part Name	Q/TY	REMARKS
	LP0115010010	Push soil shovel cylinder	1	
1	LP0115010137	Blade shovel cylinder block	1	
2	LP0112010831	Blade shovel cylinder plate spray	1	
3	LP0115010138	Stick for bulldozing cylinder	1	
4	LP0116030476	A complete set of push soil shovel oil cylinder oil seal	1	

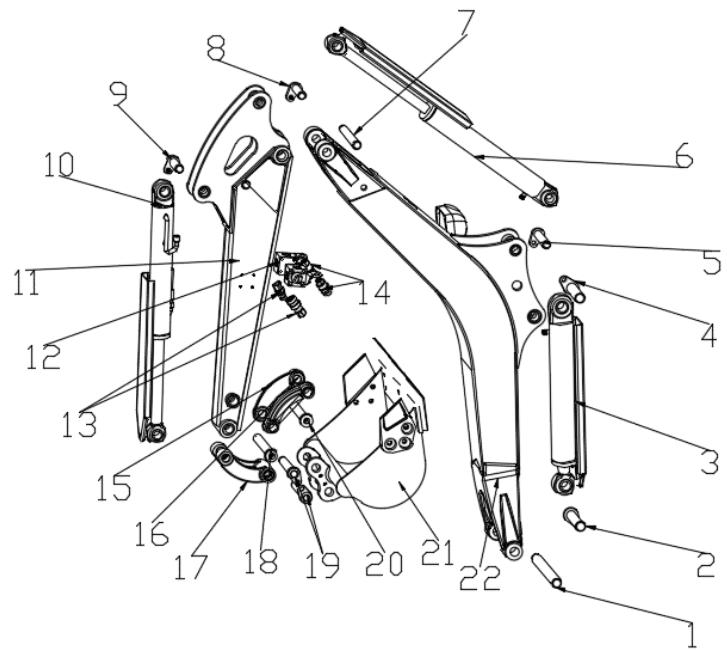
## 5 Excavator envelope diagram



**Expansion side swing**

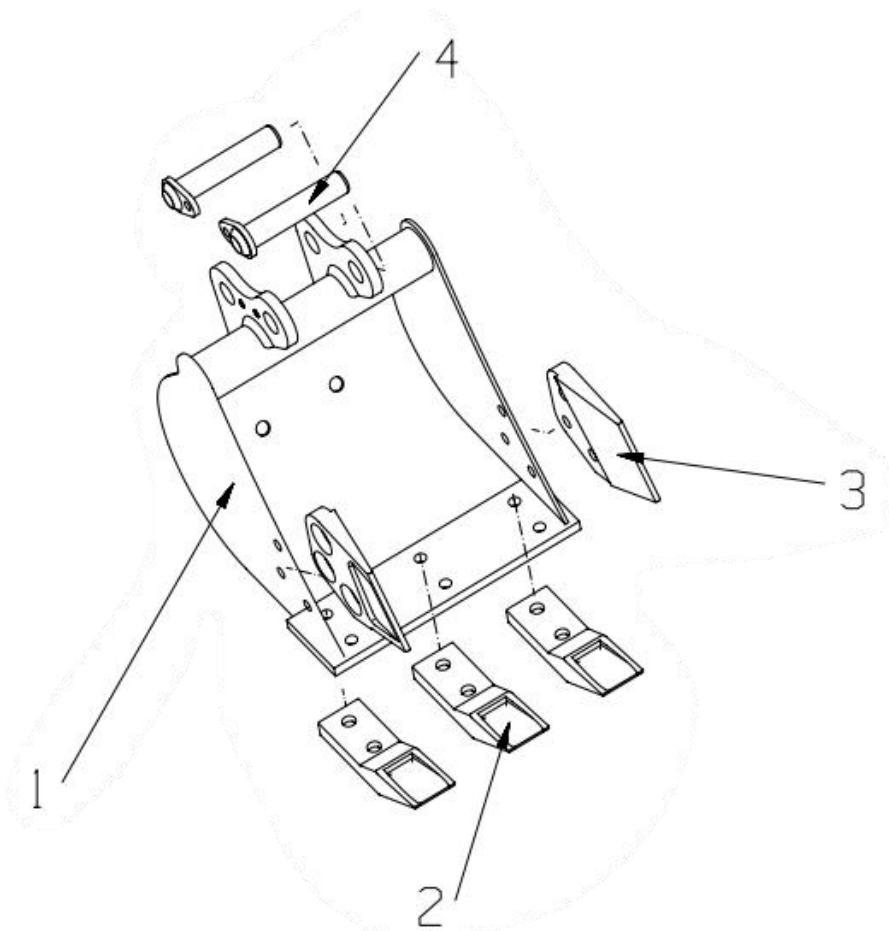
**R10-5-Eco-XD-JBT-CLB-SS-CB-Y-DP-0-X-CY**

## 1.1Working device



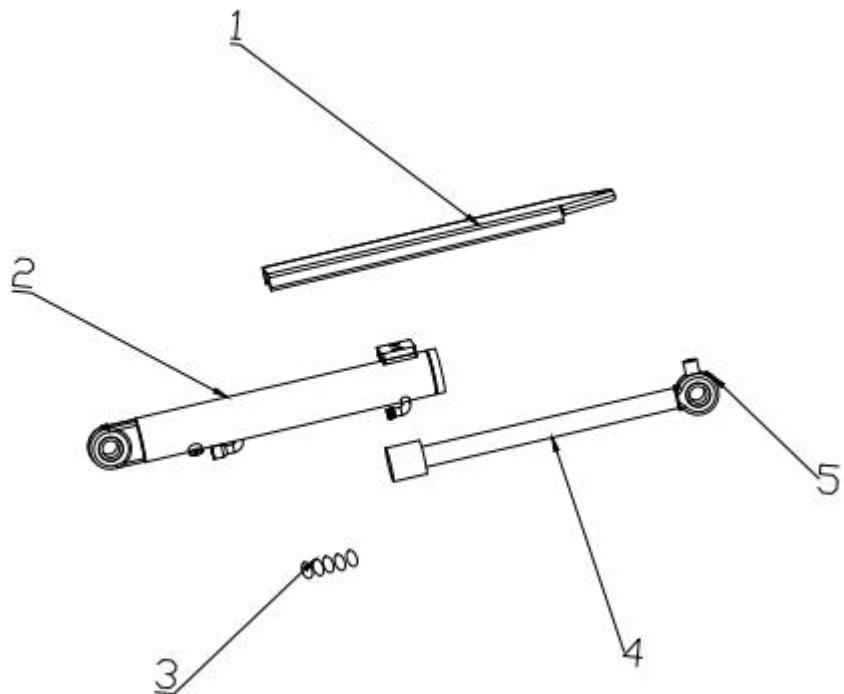
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0107021140	The boom support is connected to the arm pin shaft	1	
2	LP0107021138	The boom support connects to the boom cylinder pin shaft	1	
3	LP0115010206	Move arm cylinder assembly	1	
4	LP0107020092	309Pin shaft	1	
5	LP0107020096	Pop cylinder pin shaft	1	
6	LP0115010207	Dock cylinder assembly	1	
7	LP0107021132	Boom connecting bucket rod pin shaft	1	
8	LP0107020097	Boom ear plate pin shaft	1	
9	LP0107020097	Boom ear plate pin shaft	1	
10	LP0115010208	Bucket cylinder assembly	1	
11	LP0112011037	dipper	1	
12	LP0115021277	Three-way ball valve assembly	2	
13	LP0115020229	A 3 / 8 quick connector	2	
14	LP0115030077	M14 quick connector	2	
15	LP0112012556	Shaker rod (with hole)	1	
16	LP0112013284	Rocker bar (without holes)	1	
17	LP0112012555	Casting connecting rod	1	
18	LP0107021005	Shake rod fixed shaft	1	
19	LP0107021006	Dig bucket pin shaft	2	
20	LP0107050036	Shaker fixing shaft (butter nozzle)	1	
21	LP0104010976	R319N bucket	1	
22	LP0112013016	swing arm	1	

## 1.2Bucket



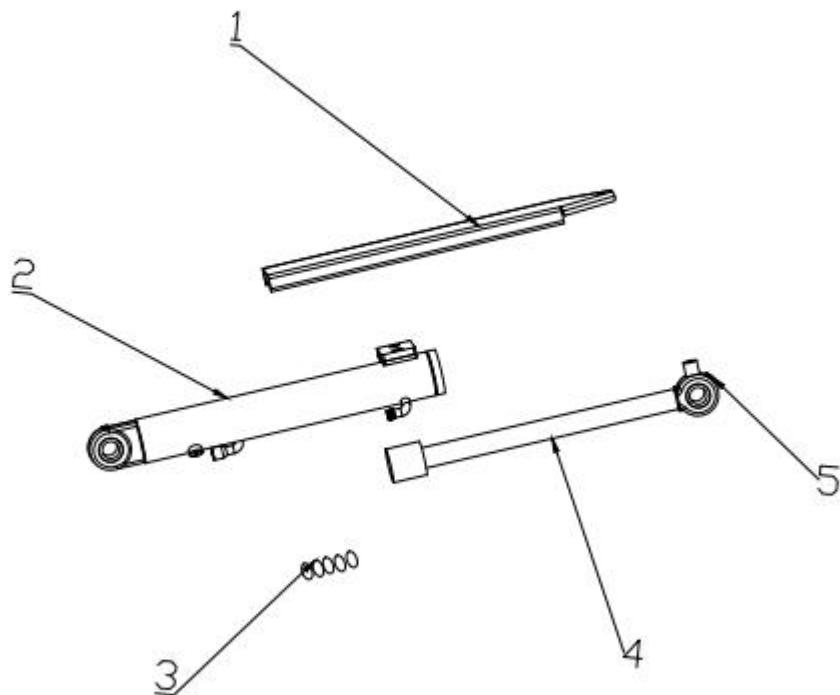
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0104010976	319N bucket-300	1	
2	LP0111080032	commutating tooth	3	
3	LP011109078	dens lateralis	1	
4	LP0107021006	319N dig the bucket pin shaft	2	

### 1.3 Bucket cylinder assembly



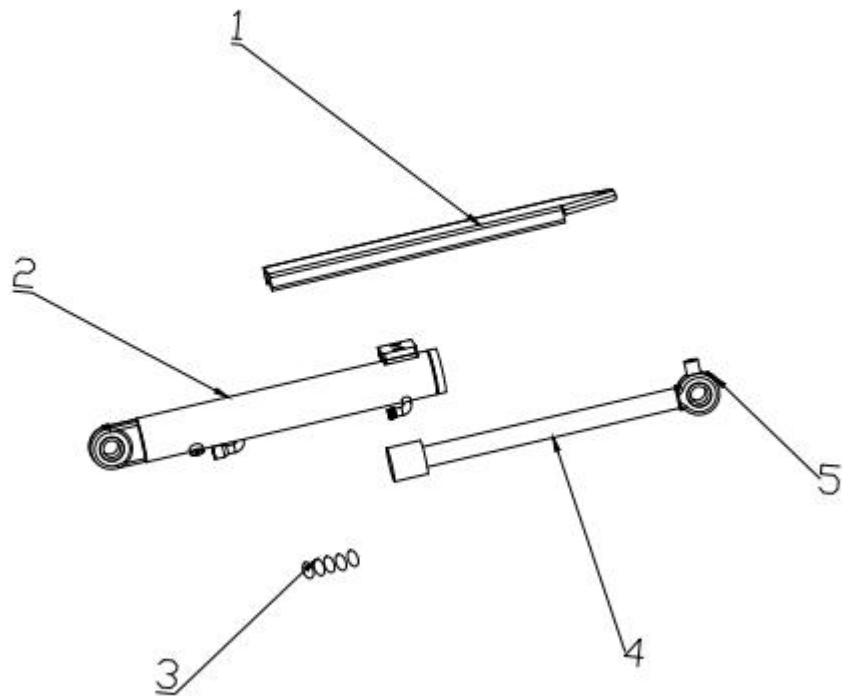
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0112014165	Shovel bucket cylinder guard plate	1	
2	LP0115010168	Shovel bucket cylinder block	1	
3	LP0116031360	Shovel bucket piston ring group	1	
4	LP0115010169	Shovel bucket cylinder rod	1	
5	LP0116010092	Butter nozzle M10 *	2	

## 1.4 Dock cylinder assembly



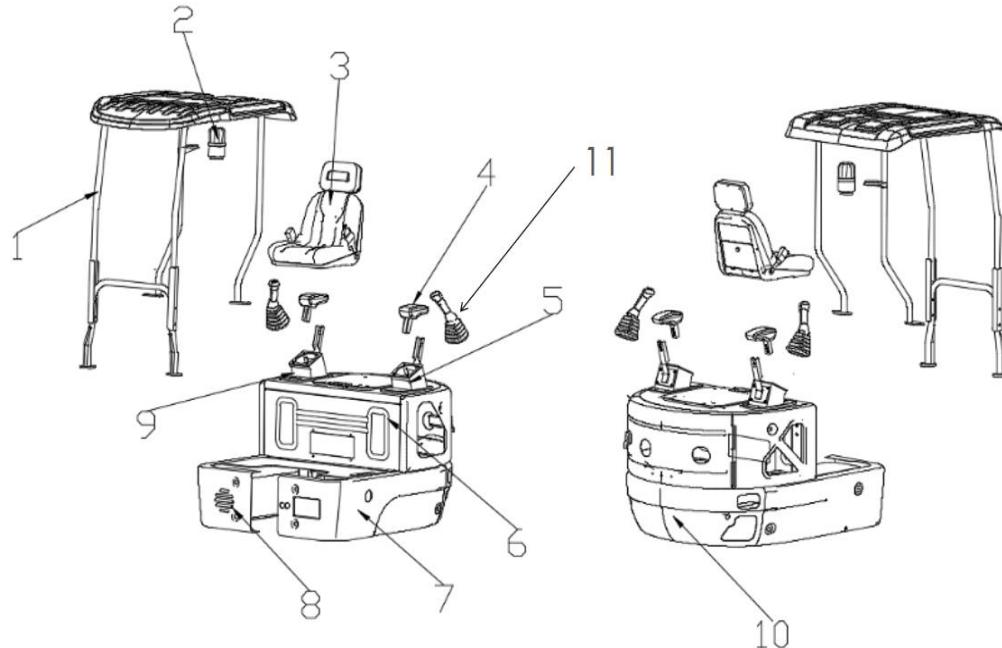
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0112014165	Dunk cylinder guard plate	1	
2	LP0115010166	Dock cylinder block	1	
3	LP0116031359	Pop piston ring group	1	
4	LP0115010167	Dock cylinder rod	1	
5	LP0116010092	Butter nozzle M10 * 1	2	

## 1.5Move arm cylinder assembly



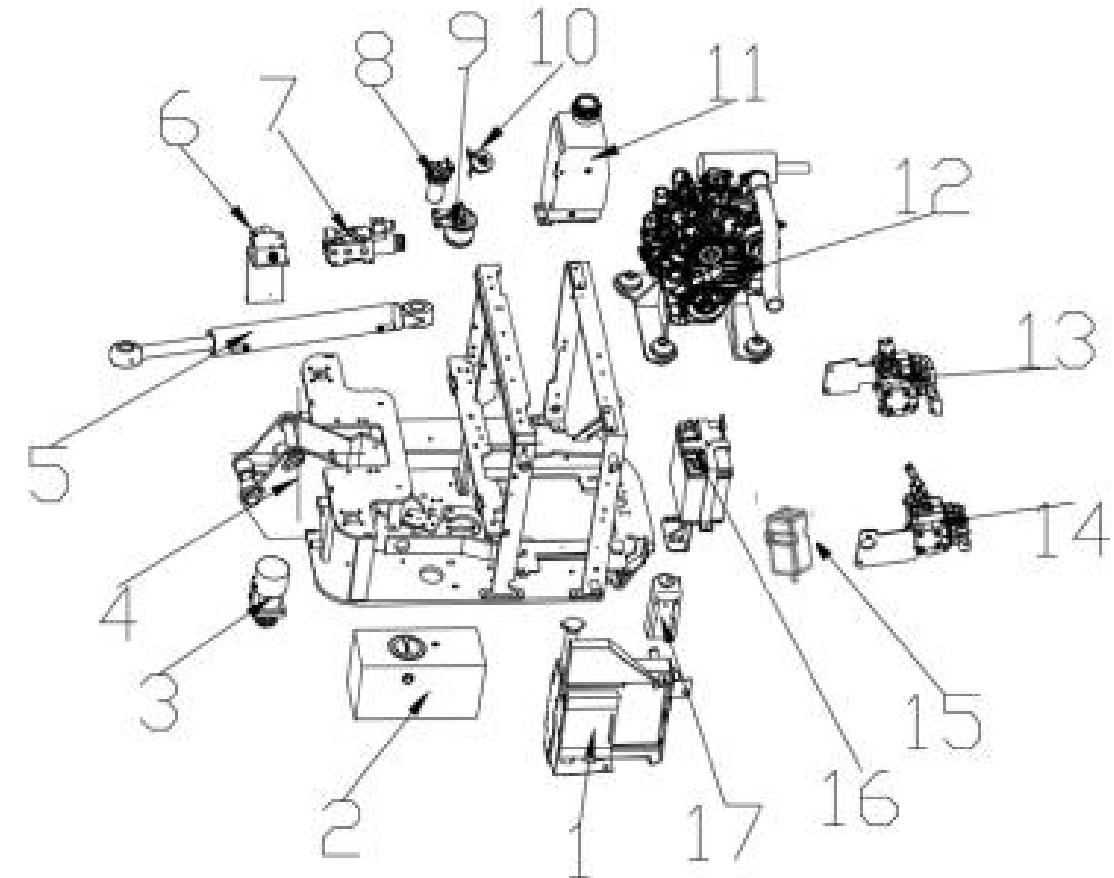
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0112014166	Shovel bucket cylinder guard plate	1	
2	LP0115010164	Shovel bucket cylinder block	1	
3	LP0116031358	Shovel bucket piston ring group	1	
4	LP0115010165	Shovel bucket cylinder rod	1	
5	LP0116010092	Butter nozzle M10 * 1	2	

## 2.1Upper disc appearance assembly



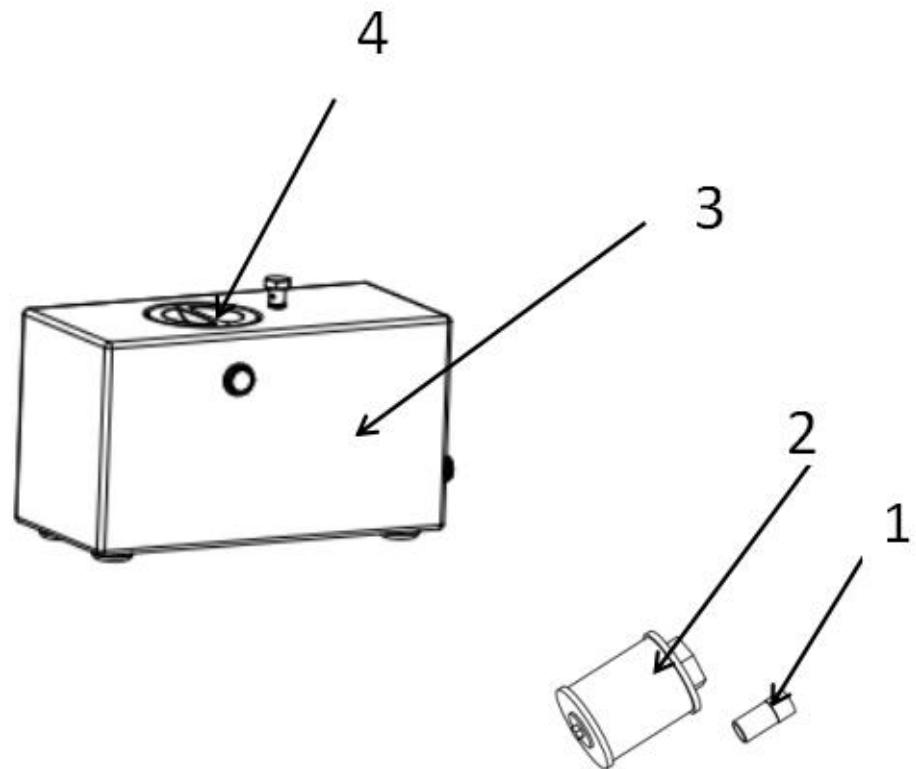
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0108020057	Lightweight, removable, four-legged roof	1	
2	LP0106020481	The R10-5 warning light	1	
3	LP0108040025	Seats purchase parts	1	
4	LP011109549	Purchase parts of armrest box support	2	
5	LP0111030069	Purchase parts of the left armrest box	1	
6	LP0112012874	Seat cover	1	
7	LP0112012871	Lower left enclosure	1	
8	LP0112020143	Lower right enclosure	1	
9	LP0111030070	Purchase parts of the right armrest box	1	
10	LP0112020142	After the weight	1	
11	LP0111080497	100-2 with key operating handle	2	

### 3.1Upper disc internal assembly



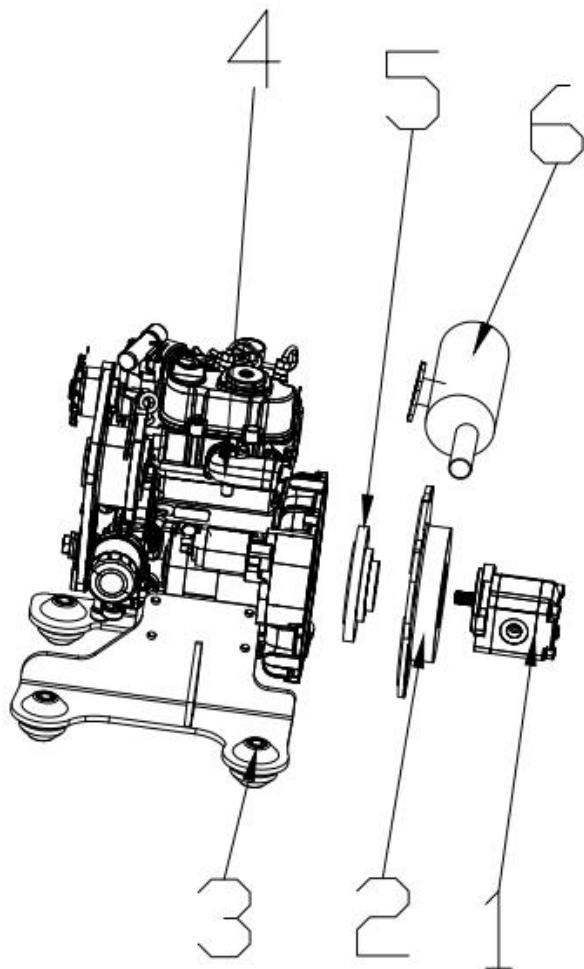
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0110020106	radiator	1	
2	LP0115040099	hydraulic oil tank	1	
3	LP0102030001	rotary motor	1	
4	LP0112013402	On the plate spray plastic	1	
5	LP0115010018	The deflection cylinder	1	
6	LP0115030028	Expansion switch valve	1	
7	LP0115030029	electromagnetic directional valve	1	
8	LP0111020325	decanter	1	
9	LP0111020185	Diesel filter element	1	
10	LP0111020124	Electronic oil pump	1	
11	LP0115040109	Plastic diesel tank	1	
12	LP0119020175	Engine parts	1	
13	LP0101030061	Two valves	1	
14	LP0101030062	The bucket bar turns a two-way valve	1	
15	LP0115040116	Secondary oil pot	1	
16	LP0106010012	Battery purchase parts	1	36A
17	LP0111080035	kettle	1	

### 3.2 Hydraulic tank assembly



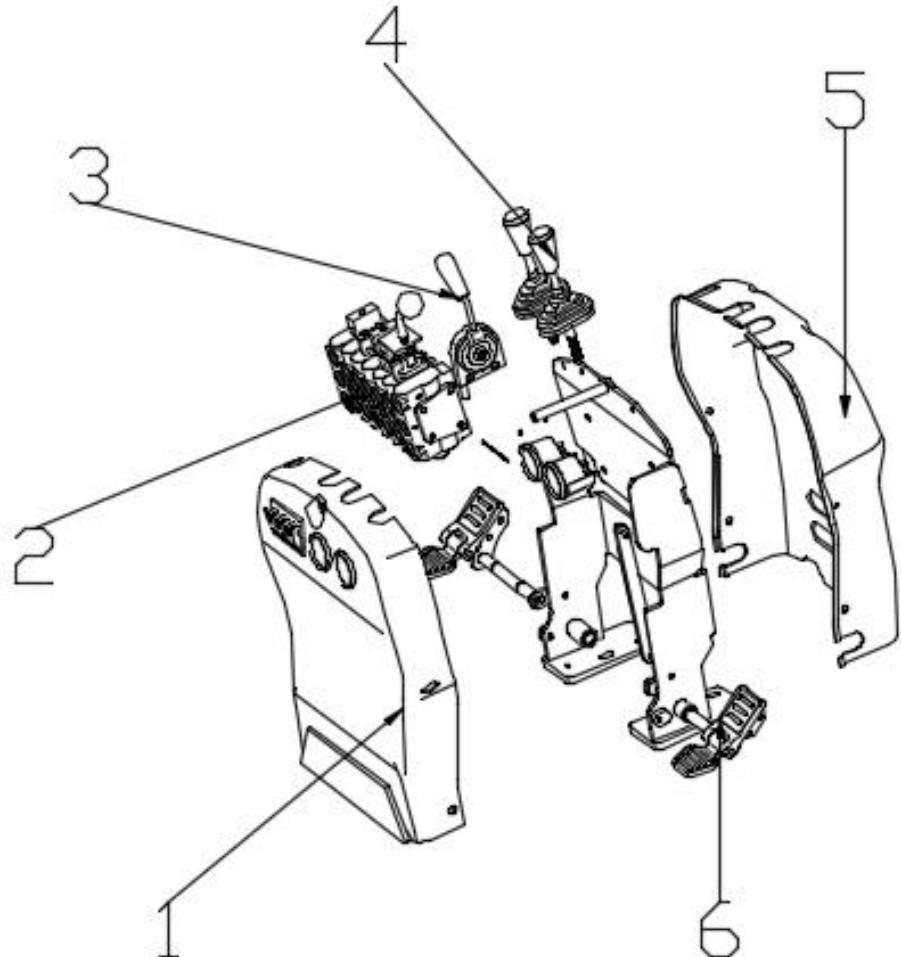
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0111050011	Plastic hydraulic oil outlet oil filter element	1	
2	LP0115030069	Built-in oil return element in the tank	1	
3	LP0115040099	Side swing hydraulic tank	1	
4	LP0109012272	Side-swing hydraulic fuel tank lid	1	

### 3.3 动力总成



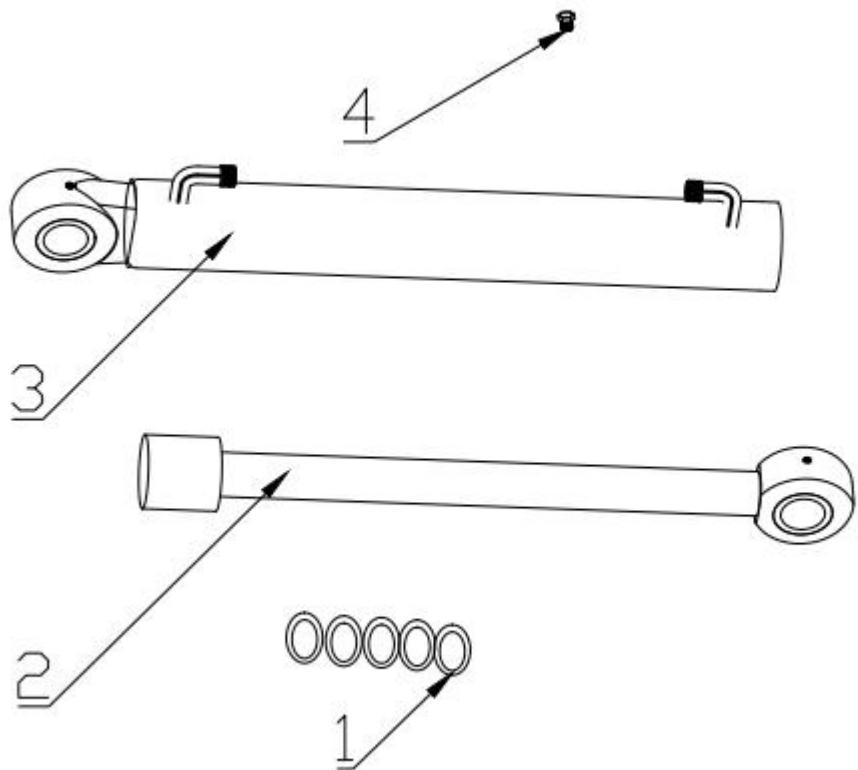
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0101010004	gear pump	1	
2	LP0102010037	bell housing	1	
3	LP0111020020	shock pad	8	
4	LP0103020005	The Kubota Z482 engine at No	1	
5	LP0102010038	clutch	1	
6	LP0114010171	muffle	1	

### 3.4 Multiplex valve assembly



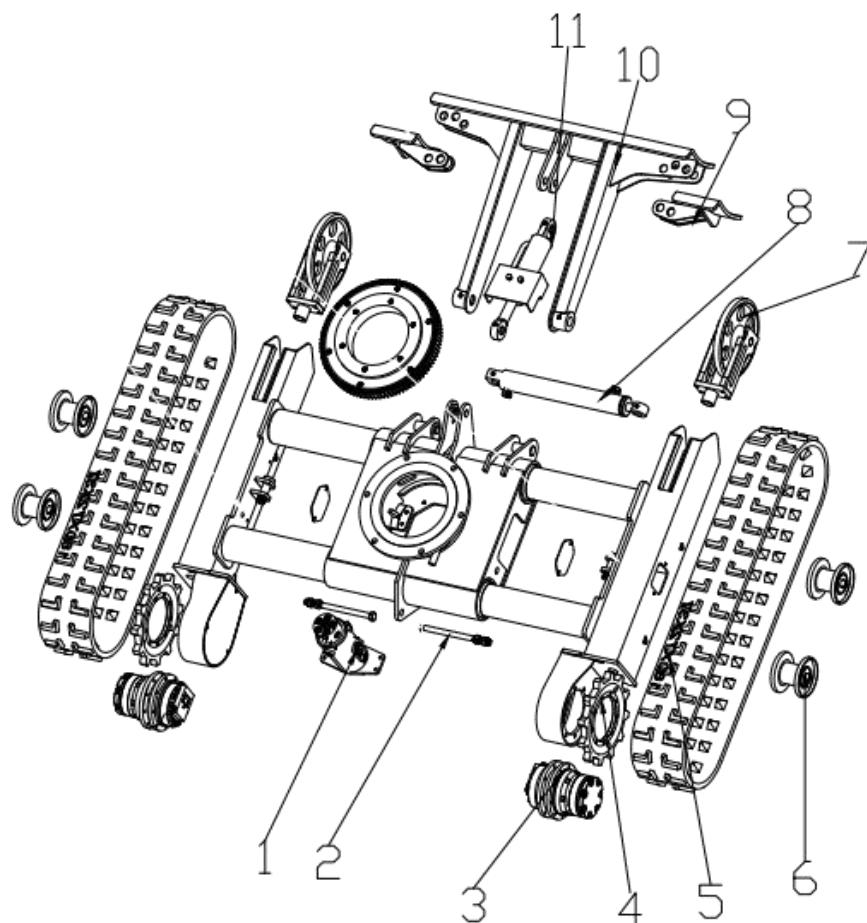
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0112013544	Multi-way valve protective cover complete set (front)	1	
2	LP0101030060	Five road multiple valve	1	
3	LP0111060009	Throttle pull line	1	
4	LP011109546	New walking lever	2	
5	LP0112013544	Multiplex valve cover set (rear)	1	
6	LP0117020014	foot plate	2	

### 3.5The deflection cylinder assembly



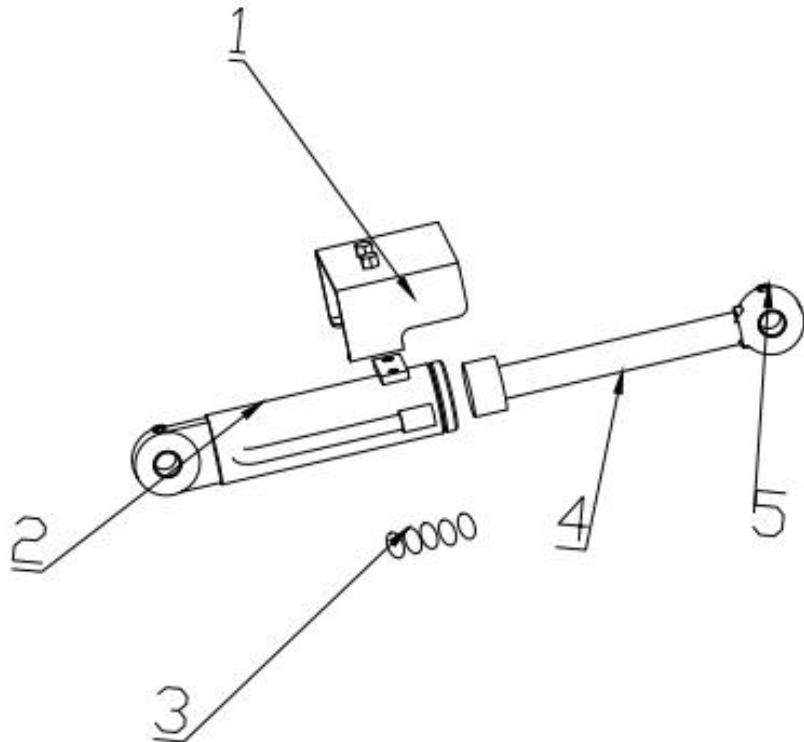
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
	LP0115010018	The deflection cylinder assembly	1	
1	LP0116031754	Deflection piston seal ring	1	
2		The deflection cylinder cylinder rod	1	
3		The deflected cylinder block	1	
4	LP0116010092	Butter mouth M10 * 1	2	

## 4.1Lower disc assembly



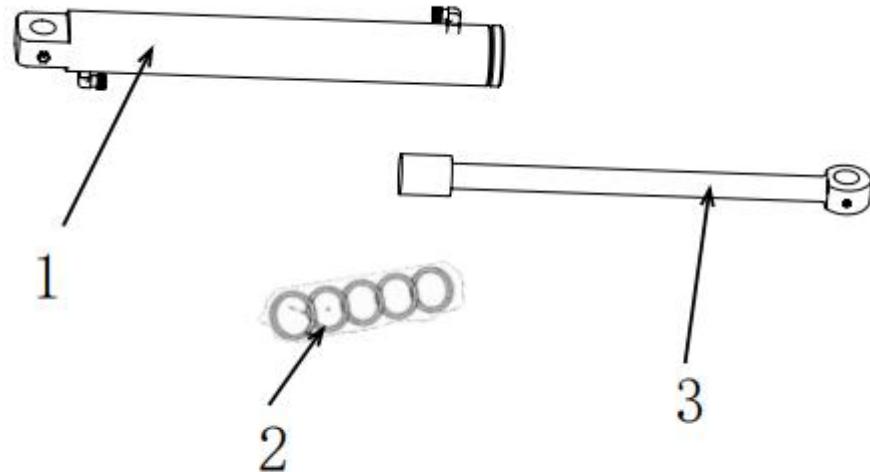
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0102050002	Central rotary joint	1	
2	LP0116012356	Expansion limit bolt	2	
3	LP0102020023	Inside the walking motor	2	
4	LP0102010004	driving wheel	2	
5	LP0102110002	track	2	
6	LP0102060001	thrust wheel	4	
7	LP0102070002	guide pulley	2	
8	LP0115010086	telescopic cylinder	1	
9		The push shovel is widened	2	
10		dozer blade	1	
11	LP0115010060	Push soil oil cylinder	1	

## 4.2Dozer cylinder assembly



REF NO.	Part NO.	Part Name	Q/TY	REMARKS
	LP0115010060	Push soil shovel cylinder	1	
1	LP0115010151	Blade shovel cylinder block	1	
2	LP0112010831	Blade shovel cylinder plate spray	1	
3	LP0115010152	Stick for bulldozing cylinder	1	
4	LP0116030607	A complete set of push soil shovel oil cylinder oil seal	1	
5	LP0116010092	Butter mouth is 10 *	2	

### 4.3 Expansion cylinder assembly

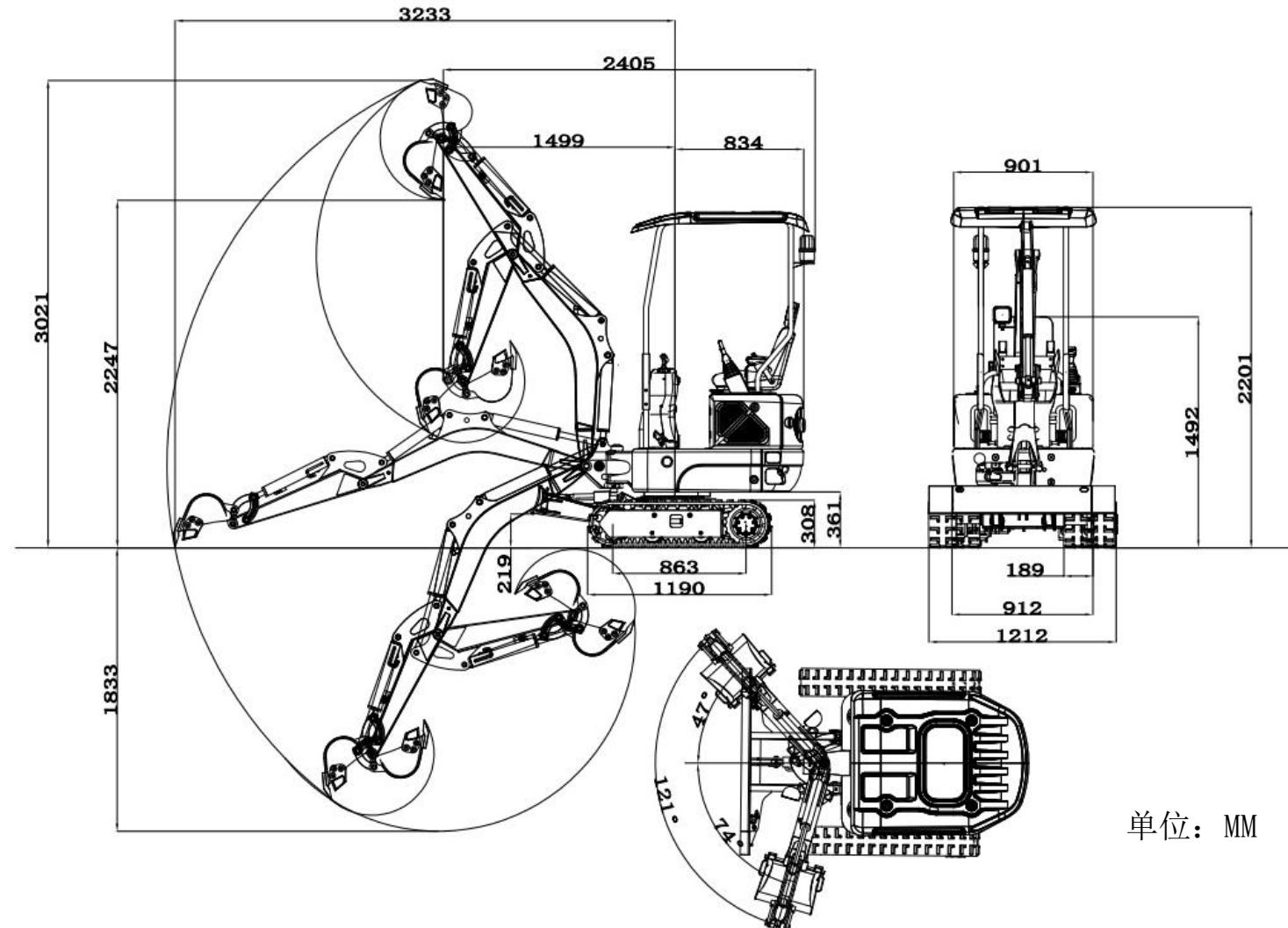


REF NO.	Part NO.	Part Name	Q/TY	REMARKS
	LP0115010086	telescopic cylinder	1	
1	LP0115010153	Expansion cylinder block	1	
2	LP0116030608	The complete set of telescopic oil cylinder oil seal	1	
3	LP0115010154	Retractable cylinder rod	1	

## 5 Excavator envelope diagram



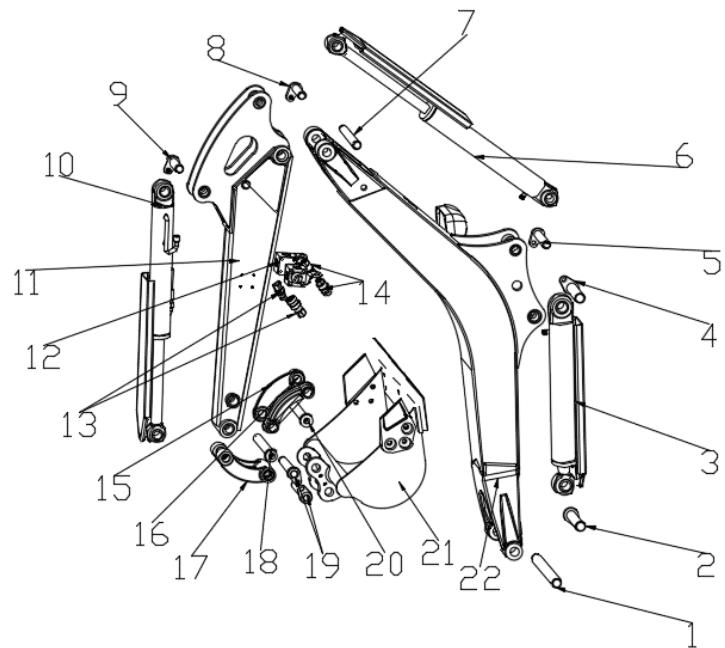
**RIPPA**



**side-sway**

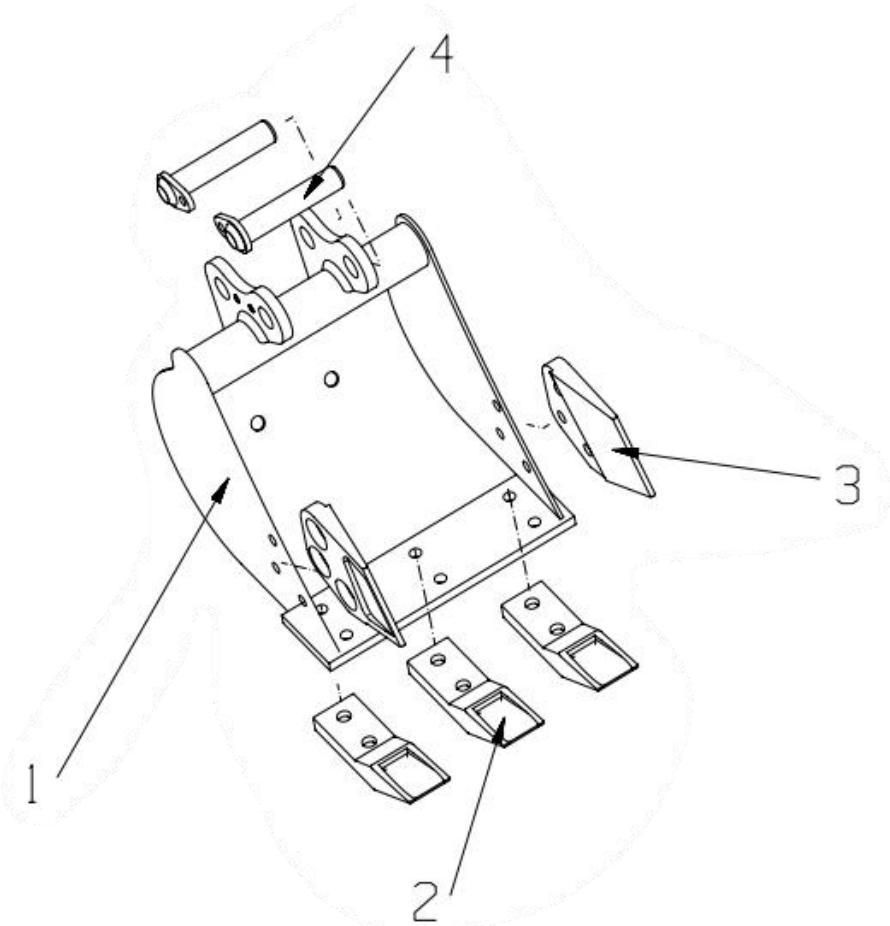
**R10-5-Eco-XD-JBT-CLB-0-CB-Y-DP-0-X-CY**

## 1.1Working device



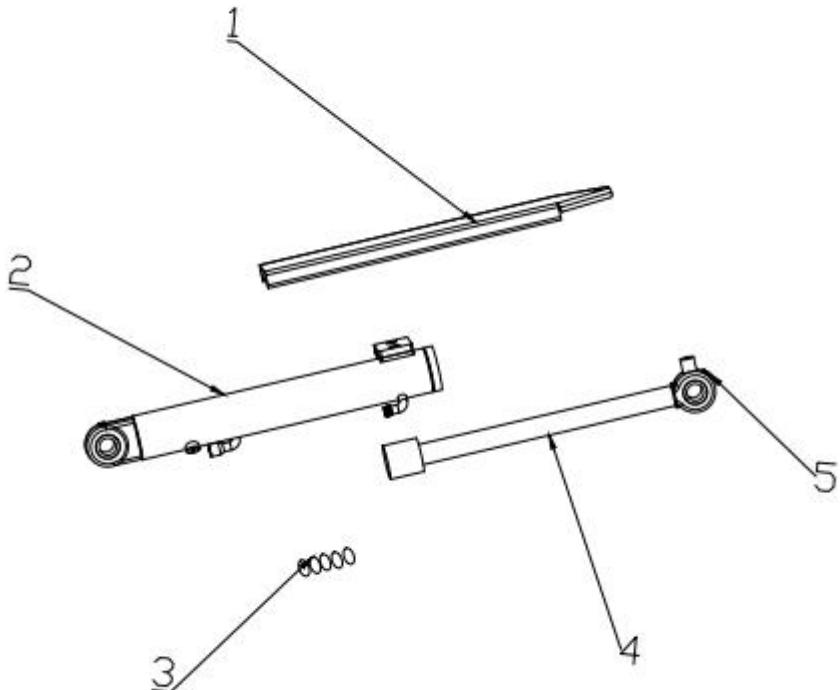
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0107021140	The boom support is connected to the arm pin shaft	1	
2	LP0107021138	The boom support connects to the boom cylinder pin shaft	1	
3	LP0115010206	Move arm cylinder assembly	1	
4	LP0107020092	309Pin shaft	1	
5	LP0107020096	Pop cylinder pin shaft	1	
6	LP0115010207	Dock cylinder assembly	1	
7	LP0107021132	Boom connecting bucket rod pin shaft	1	
8	LP0107020097	Boom ear plate pin shaft	1	
9	LP0107020097	Boom ear plate pin shaft	1	
10	LP0115010208	Bucket cylinder assembly	1	
11	LP0112011037	dipper	1	
12	LP0115021277	Three-way ball valve assembly	2	
13	LP0115020229	A 3 / 8 quick connector	2	
14	LP0115030077	M14 quick connector	2	
15	LP0112012556	Shaker rod (with hole)	1	
16	LP0112013284	Rocker bar (without holes)	1	
17	LP0112012555	Casting connecting rod	1	
18	LP0107021005	Shake rod fixed shaft	1	
19	LP0107021006	Dig bucket pin shaft	2	
20	LP0107050036	Shaker fixing shaft (butter nozzle)	1	
21	LP0104010976	R319N bucket	1	
22	LP0112013016	swing arm	1	

## 1.2Bucket



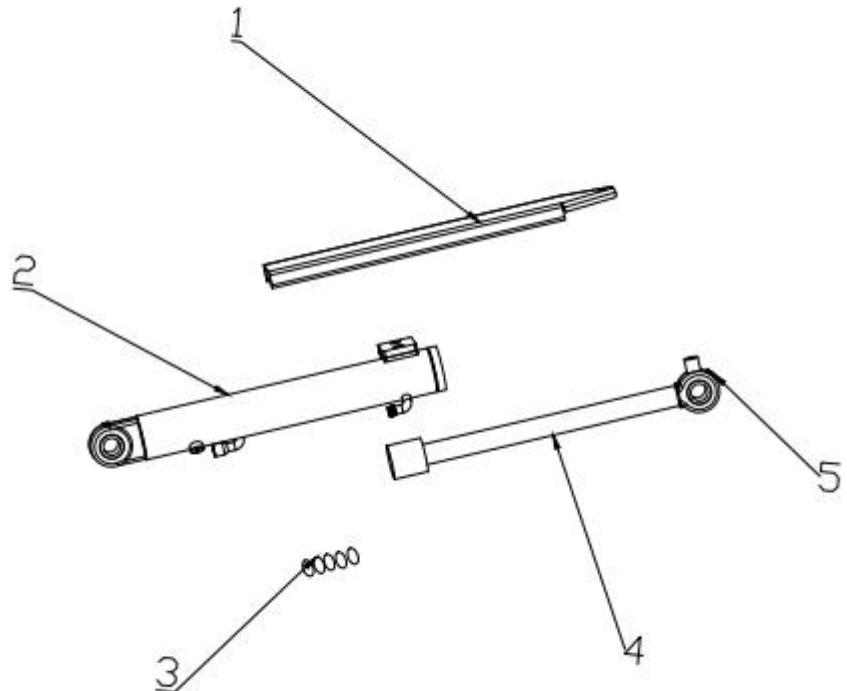
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0104010976	319N bucket-300	1	
2	LP0111080032	Frontal tooth	2	
3	LP011109078	Side tooth	1	
4	LP0107021006	319N dig the bucket pin shaft	2	

## 1.3 Bucket cylinder assembly



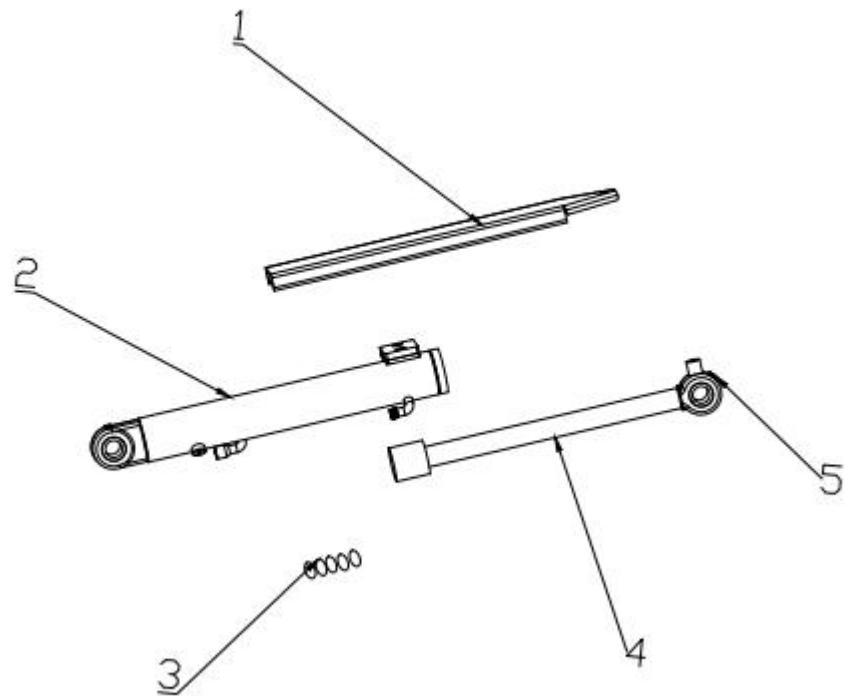
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0112014165	Shovel bucket cylinder guard plate	1	
2	LP0115010168	Shovel bucket cylinder block	1	
3	LP0116031360	Shovel bucket piston ring group	1	
4	LP0115010169	Shovel bucket cylinder rod	1	
5	LP0116010092	Butter nozzle M10 *	2	

## 1.4 Dock cylinder assembly



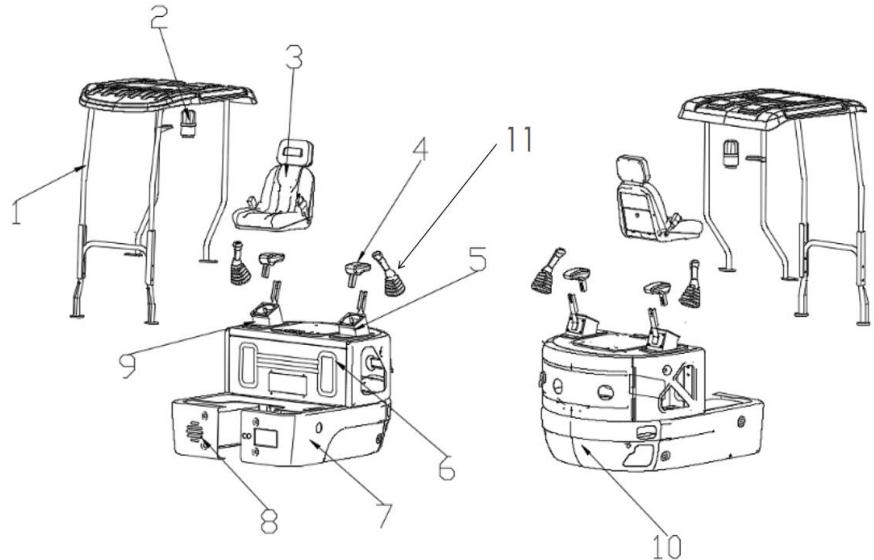
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0112014165	Dunk cylinder guard plate	1	
2	LP0115010166	Dock cylinder block	1	
3	LP0116031359	Pop piston ring group	1	
4	LP0115010167	Dock cylinder rod	1	
5	LP0116010092	Butter nozzle M10 * 1	2	

## 1.5Move arm cylinder assembly



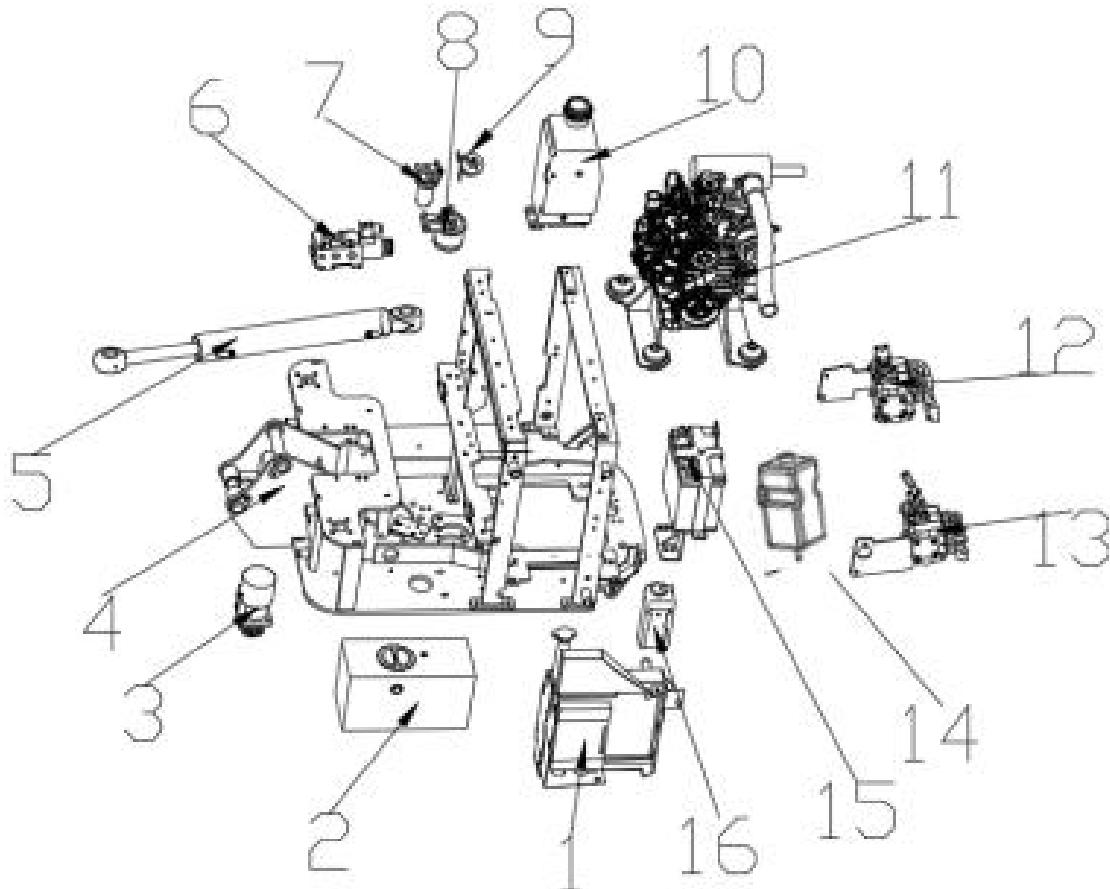
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0112014166	Shovel bucket cylinder guard plate	1	
2	LP0115010164	Shovel bucket cylinder block	1	
3	LP0116031358	Shovel bucket piston ring group	1	
4	LP0115010165	Shovel bucket cylinder rod	1	
5	LP0116010092	Butter nozzle M10 * 1	2	

## 2.1Upper disc appearance assembly



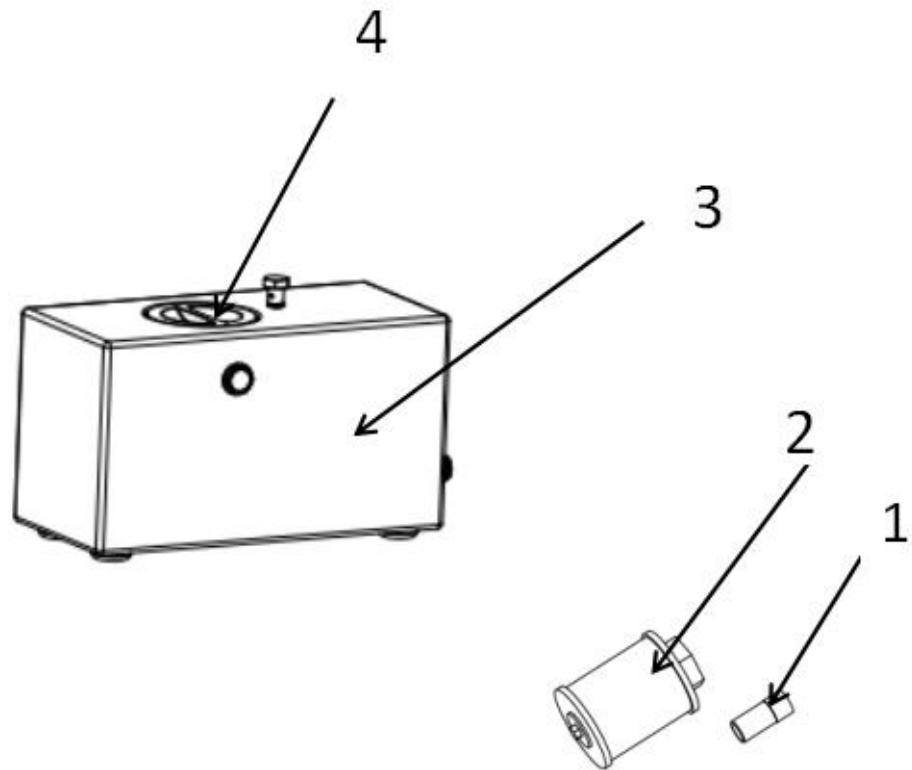
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0108020057	Lightweight, removable, four-legged roof	1	
2	LP01106020481	The R10-5 warning light	1	
3	LP0108040020	Seats purchase parts	1	
4	LP011109549	Purchase parts of armrest box support	2	
5	LP0111030071	Purchase parts of the left armrest box	1	
6	LP0112012990	Seat cover	1	
7	LP0112012871	Lower left enclosure	1	
8	LP0112020141	Lower right enclosure	1	
9	LP0111030072	Purchase parts of the right armrest box	1	
10	LP0112020142	After the weight	1	
11	LP0111080497	Handle with key operation	2	

### 3.1Upper disc internal assembly



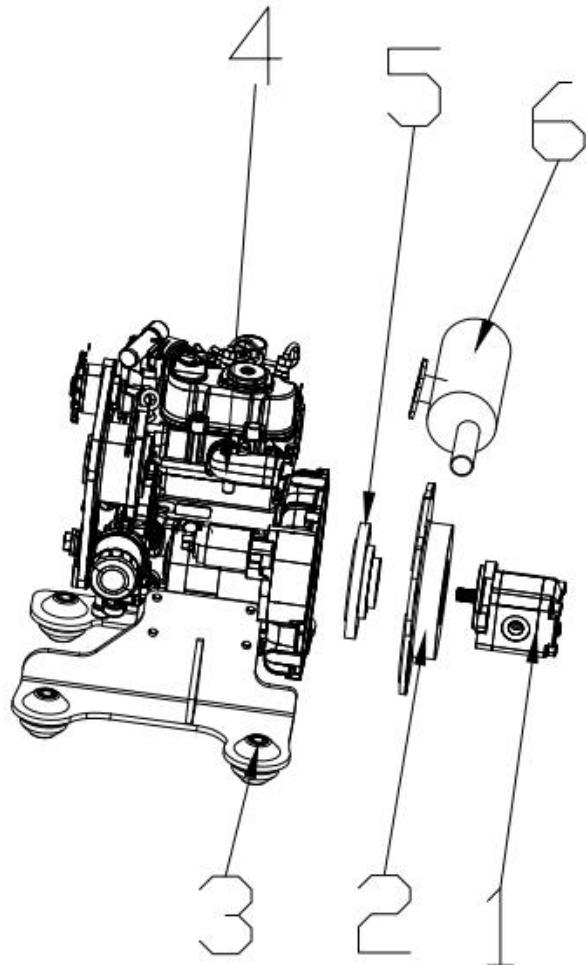
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0110020106	radiator	1	
2	LP0115040099	hydraulic oil tank	1	
3	LP0102030001	rotary motor	1	
4	LP0112011642	On the plate spray plastic	1	
5	LP0111020185	Diesel filter element	1	
6		decanter	1	
7	LP0111020124	Electronic oil pump	1	
8	LP0115040109	Plastic diesel tank	1	
9	LP0119020175	Engine parts	1	
10	LP0101030061	Two valves	1	
11	LP0101030062	The bucket bar turns a two-way valve	1	
12	LP0110020106	radiator	1	
13	LP0115040099	hydraulic oil tank	1	
14	LP0115040116	Secondary oil pot	1	
15	LP0106010012	Battery purchase parts	1	
16	LP0111080035	kettle	1	

### 3.2 Hydraulic tank assembly



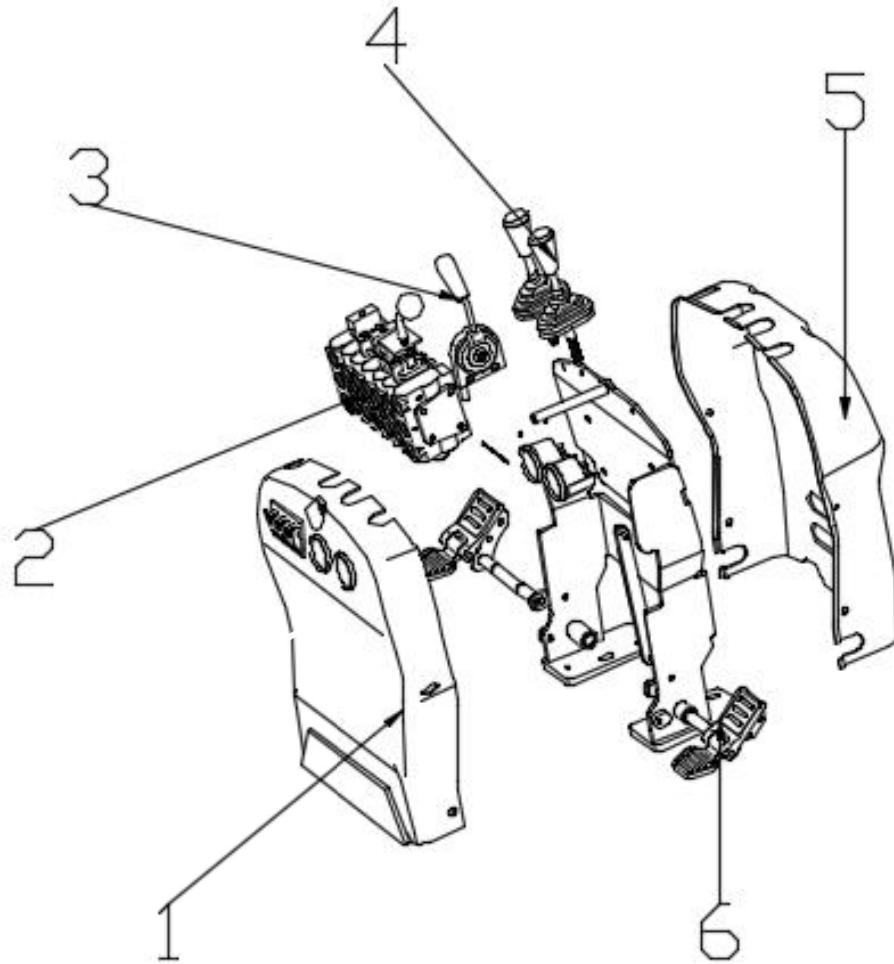
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0111050011	Plastic hydraulic oil outlet oil filter element	1	
2	LP0115030069	Built-in oil return element in the tank	1	
3	LP0115040099	Side swing hydraulic tank	1	
4	LP0109012272	Side-swing hydraulic fuel tank lid	1	

### 3.3Upper disc internal assembly



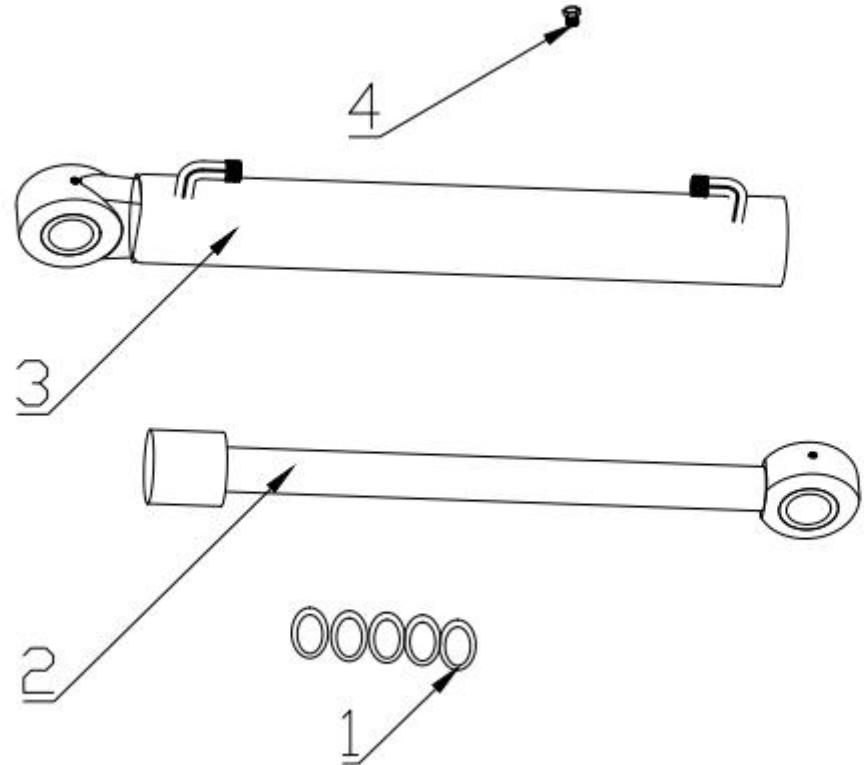
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0101010004	gear pump	1	
2	LP0102010037	bell housing	1	
3	LP0111020020	shock pad	8	
4	LP0103020005	The Kubota Z482 engine at No	1	
5	LP0102010038	clutch	1	
6	LP0114010171	muffle	1	

### 3.4Multiplex valve assembly



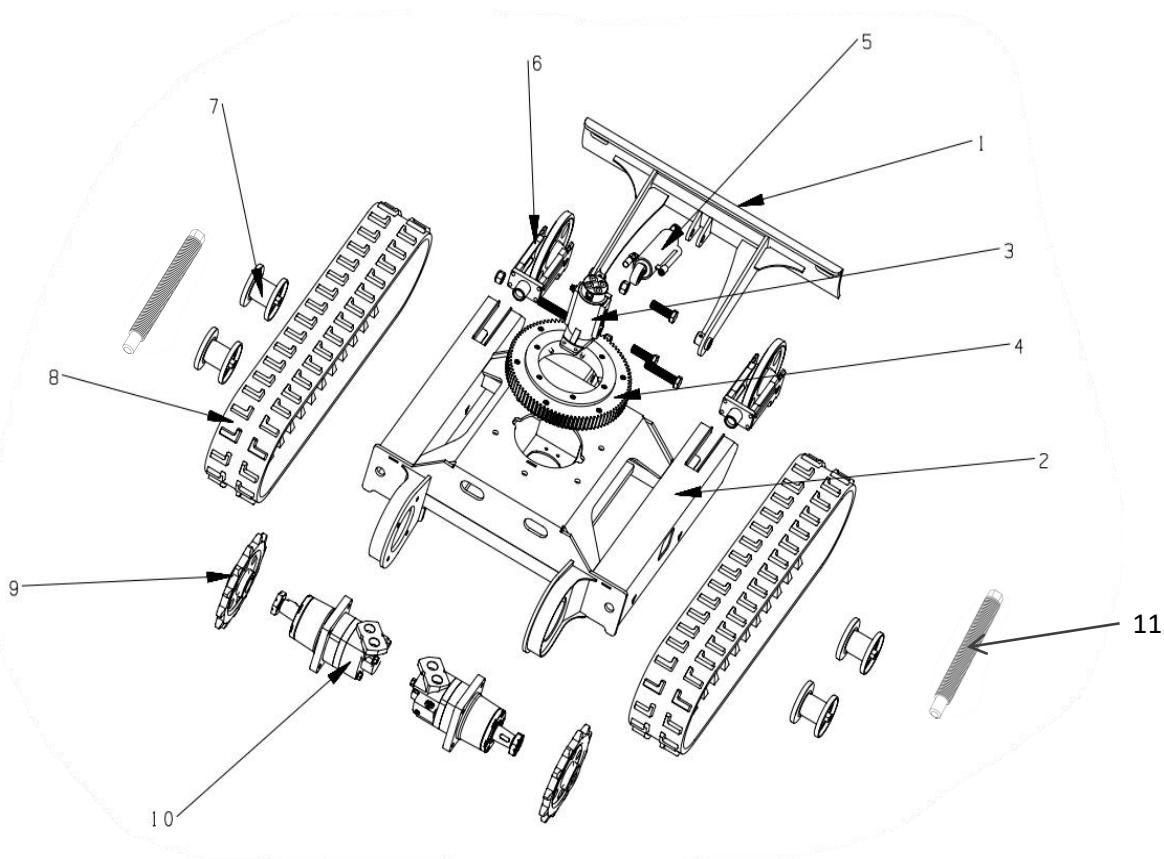
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0112014036	Multi-way valve protective cover complete set (front)	1	
2	LP0101030060	Five road multiple valve	1	
3	LP0111060009	Throttle pull line	1	
4	LP011109546	New walking lever	2	
5	LP0112014036	Multiplex valve cover set (rear)	1	
6	LP00117020014	foot plate	2	

### 3.5The deflection cylinder assembly



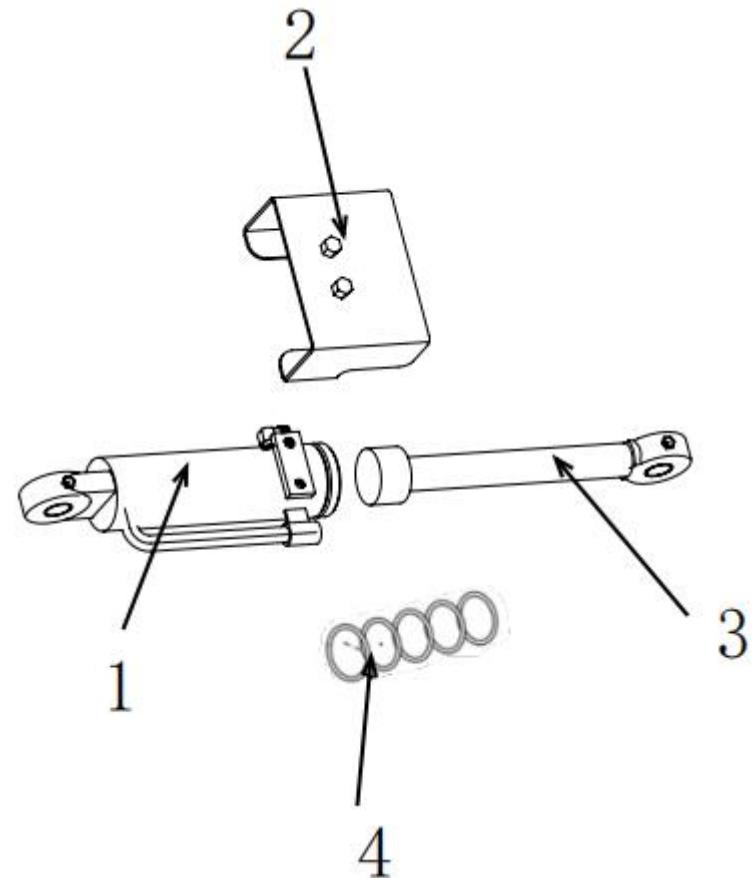
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
	LP0115010018	The deflection cylinder assembly	1	
1	LP0116031754	Deflection piston seal ring	1	
2		The deflection cylinder cylinder rod	1	
3		The deflected cylinder block	1	
4	LP0116010092	Butter mouth M10 * 1	2	

## 4.1Lower disc assembly



REF NO.	Part NO.	Part Name	Q/TY	REMARK S
1	LP0112010042	R319N bulldozing	1	
2	LP0112011675	R319N-X down the car frame	1	
3	LP0102050005	6-way central rotary connector	1	
4	LP0102040001	Central rotary support	1	
5	LP0115010010	Push soil shovel cylinder	1	
6	LP0102070002	R319N guide wheel procurement parts	2	
7	LP0102060001	R319N wheel	4	
8	LP0102110002	R319N rubber track	2	
9	LP0102090010	The NDI series of drive wheels	2	
10	LP0102020019	The R319N-4K315 walking motor	2	
11	LP0116011175	R319N tighten the rod	2	

## 4.2 Dozer cylinder assembly

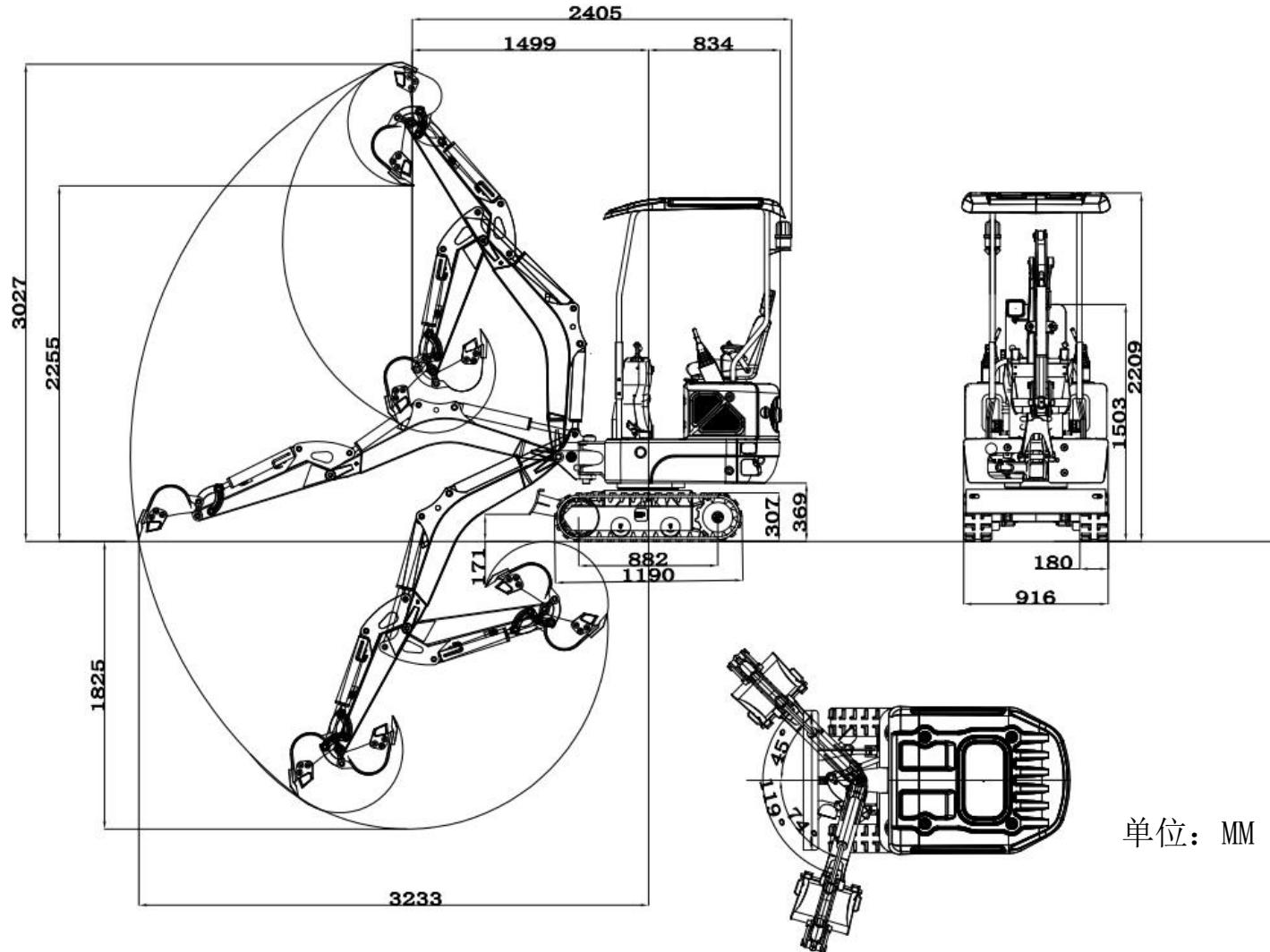


REF NO.	Part NO.	Part Name	Q/TY	REMARKS
	LP0115010060	Push soil shovel cylinder	1	
1	LP0115010151	Blade shovel cylinder block	1	
2	LP0112010831	Blade shovel cylinder plate spray	1	
3	LP0115010152	Stick for bulldozing cylinder	1	
4	LP0116030607	A complete set of push soil shovel oil cylinder oil seal	1	



**RIPPA**

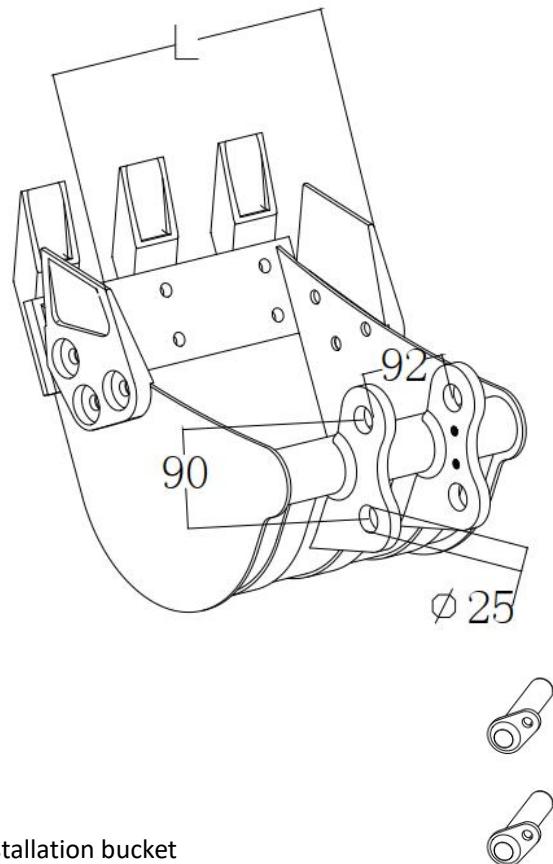
## 5 Excavator envelope diagram



**assistive device**

## Auxiliary equipment (installation size: shaft diameter 25, gear spacing 92, shaft spacing 90)

### 1 Digging (Assistive devices)

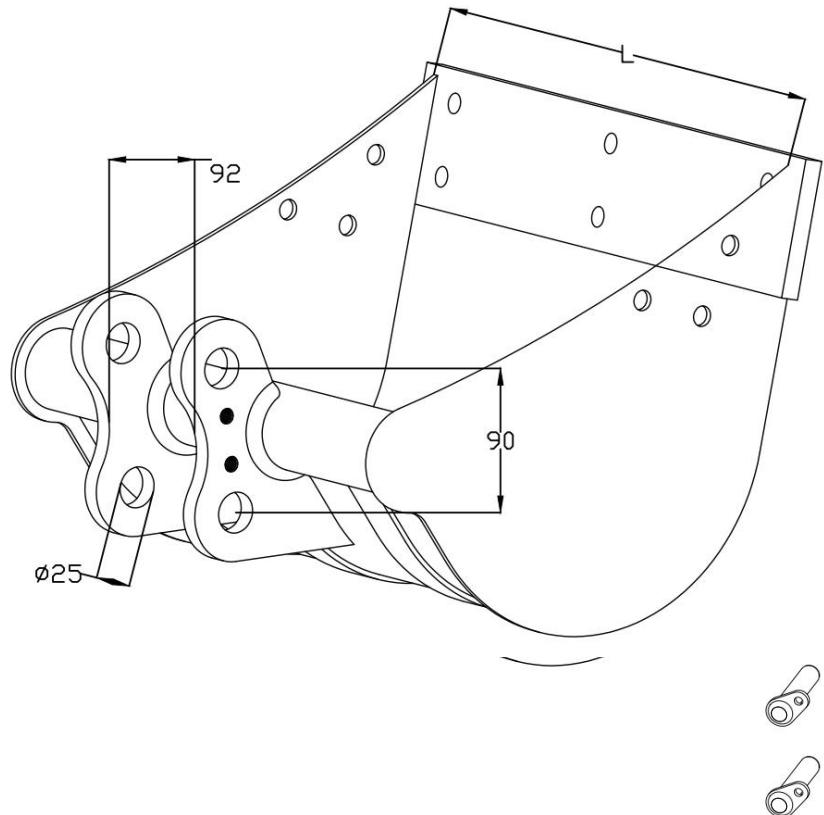


See 6.1. Installation bucket

REF No.	Size.	Part No.	Part Name
1	L=200mm	LP0104010778	200 Digging
2	L=300mm	LP0104010928	300 Digging
3	L=400mm	LP0104010980	400 Digging
4	L=500mm	LP0104010774	500 Digging
5	L=600mm	LP0104010775	600 Digging
6	L=800mm	LP0104010781	800 Digging
7	L=1000mm	LP0104010782	1000 Digging

LP0107021006	Dig bucket fixed shaft	2
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## 2 Mud bucket (accessories)

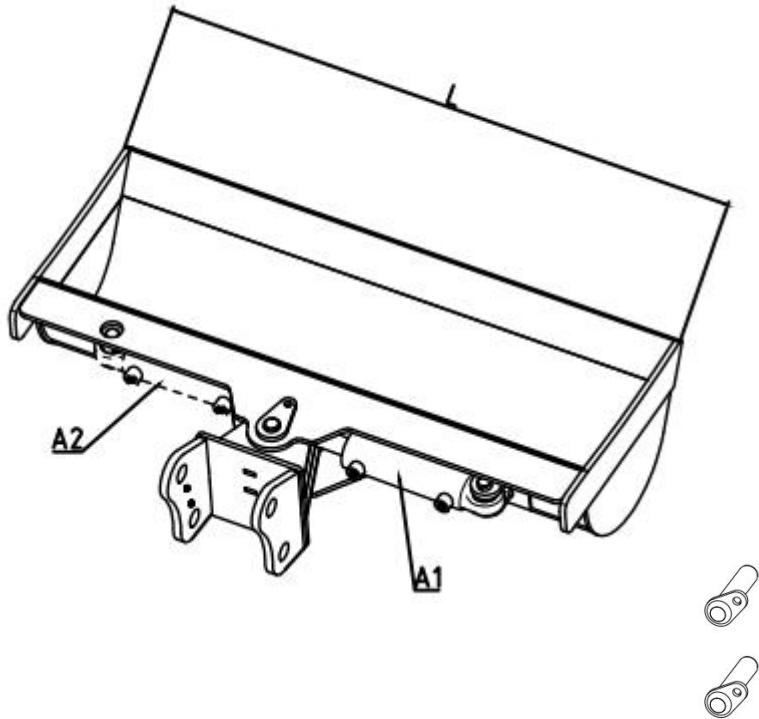


REF No.	Size.	Part No.	Part Name
1	L=250mm	LP0104010814	250 mud bucket (ramp)
2	L=300mm	LP0104010808	300 mud bucket (ramp)
3	L=400mm	LP0104010802	400 mud bucket (ramp)
4	L=500mm	LP0104010809	600 mud bucket (ramp)
5	L=600mm	LP0104010810	750 Mud bucket (ramp)
6	L=800mm	LP0104010811	800 mud bucket (ramp)
7	L=1000mm	LP0104010812	1000 mud bucket (ramp)

See 6.2 mud bucket for installation dimensions

LP0107021006	Dig bucket fixed shaft	2
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### 3 Tilt bucket (accessories)

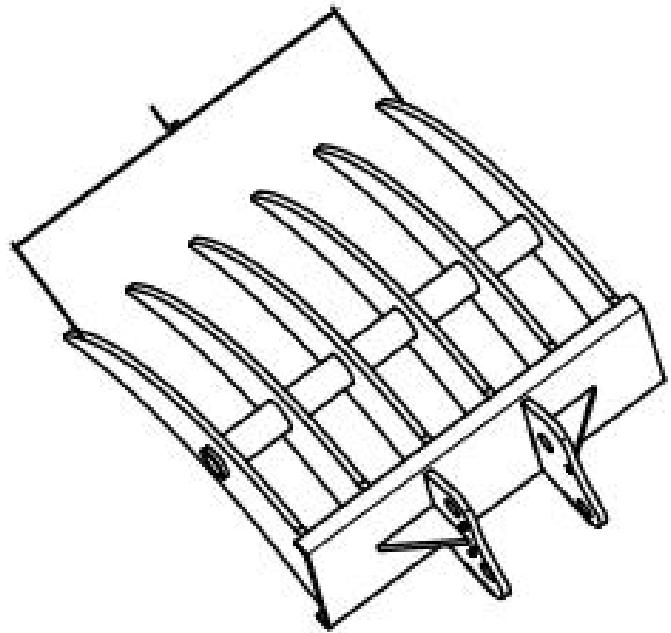


REF No.	Size.	Number of cylinders	Part No.	Part Name
1	L=600mm	1	LP0104010796	600 single cylinder tilt (ramp)
2	L=800mm	1	LP0104010797	800 single cylinder tilt (ramp)
3	L=1000mm	1	LP0104010798	1000 single cylinder tilt (ramp)
4	L=800mm	2	LP0104010799	800 double cylinder tilt (ramp)

See 6.1 bucket for installation dimensions

LP0107021006	Dig bucket fixed shaft	2
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## 4 Rakes (Assistive devices)



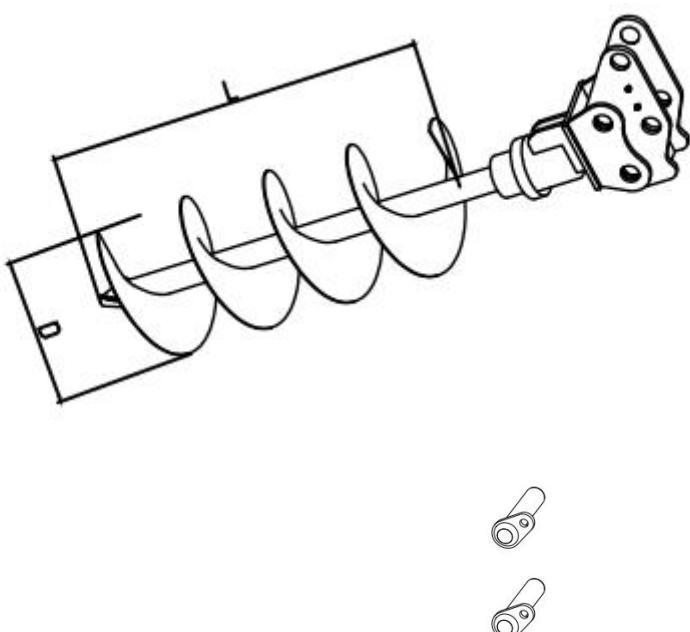
See 6.1 mud bucket for installation dimensions



REF No.	Size.	Part No.	Part Name
1	L=400mm	LP0104010784	400 Rake
2	L=500mm	LP0104010785	500 Rake
3	L=600mm	LP0104010786	600 Rake
4	L=800mm	LP0104010787	800 Rake
5	L=1000mm	LP0104010788	1000 Rake

LP0107021006	Dig bucket fixed shaft	2
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## 5 Rotary digging drill (accessories)

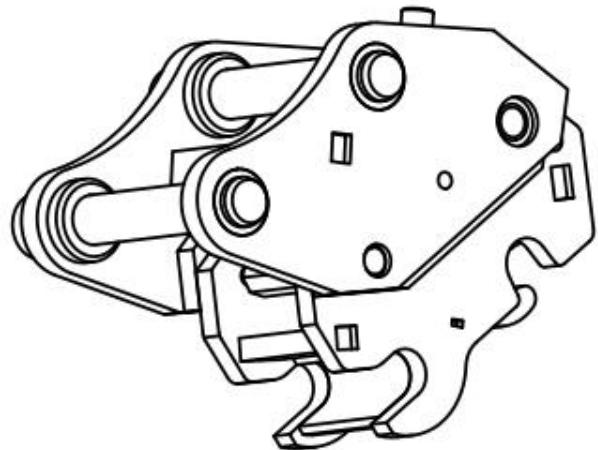


REF No.	Length.	Diameter	Part No.	Part Name
1	L=800mm	D= $\varnothing$ 15mm	LP0104010048	80cm long diameter 15cm rotary digging drill
2	L=800mm	D= $\varnothing$ 20mm	LP0104010053	80cm long diameter 20cm rotary digging drill
3	L=800mm	D= $\varnothing$ 30mm	LP0104010058	80cm long diameter 30cm rotary digging drill
4	L=800mm	D= $\varnothing$ 40mm	LP0104010063	80cm long diameter 40cm rotary digging drill
5	L=1000mm	D= $\varnothing$ 20mm	LP0104010182	100cm long diameter 30cm rotary digging drill
6	L=1000mm	D= $\varnothing$ 25mm	LP0104010711	100cm long diameter 25cm rotary digging drill
7	L=1000mm	D= $\varnothing$ 30mm	LP0104010190	100cm long diameter 30cm rotary digging drill
8	L=1200mm	D= $\varnothing$ 15mm	LP0104011145	120cm long diameter 15cm reducer rotary digging drill
9	L=1200mm	D= $\varnothing$ 20mm	LP0104010156	120cm long diameter 20cm rotary digging drill
10	L=1500mm	D= $\varnothing$ 10mm	LP0104010088	150cm long diameter 10cm reducer rotary digging drill
11	L=1500mm	D= $\varnothing$ 20mm	LP0104011091	150cm long diameter 20cm reducer rotary digging drill

LP0107021006	Dig bucket fixed shaft	2
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See 6.1 mud bucket for installation dimensions

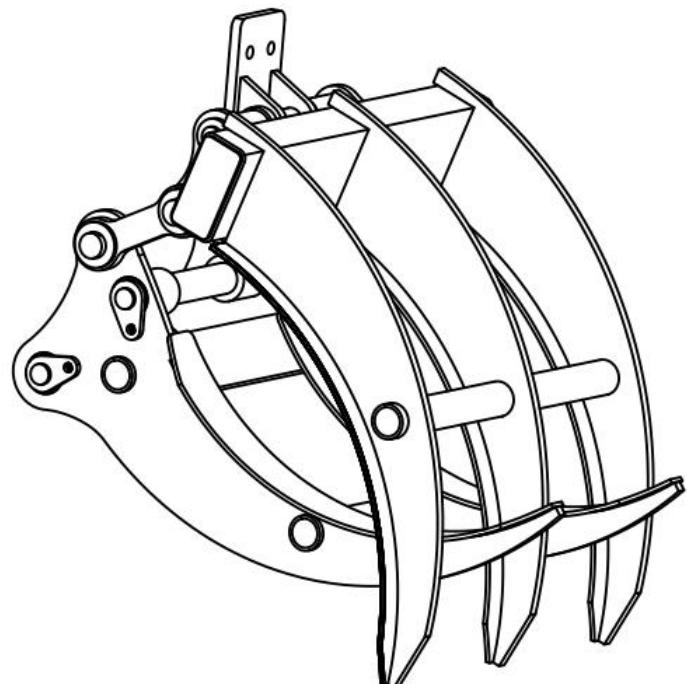
## 6 Quick change ( assistive device)



REF No.	Part No.	Part Name
1	LP0104010233	Mechanical fast change

LP0107021006	Dig bucket fixed shaft	2
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## 7 log grapple ( assistive device)



REF No.	Part No.	Part Name
1	LP0104010837	Light wood grab two board
2	LP0104010477	Hydraulic rotary wood grip

LP0107021006	Dig bucket fixed shaft	2
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