



R15-4 EOC

HYDRAULIC EXCAVATOR

PARTS BOOKS



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[2024 SECOND EDITION]

PARTS BOOK



R15-4 Eco

HYDRAULIC EXCAVATOR



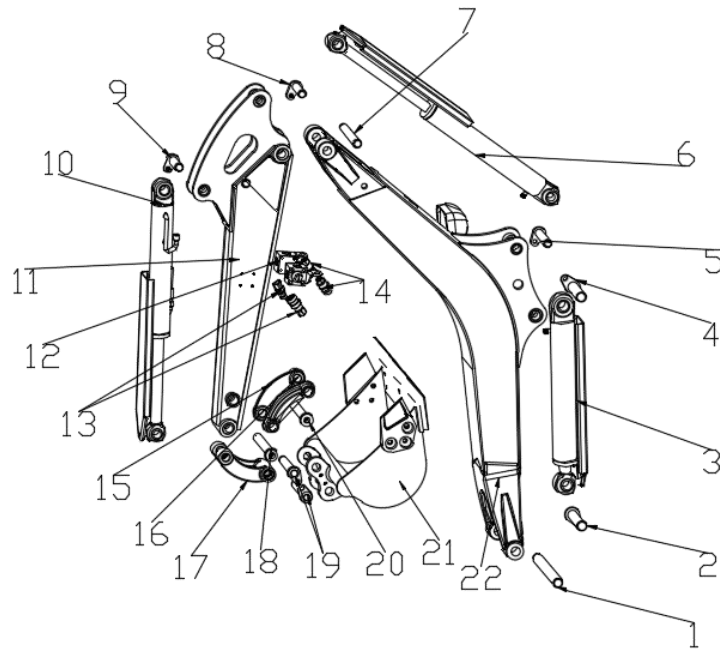
[2024 (002) No

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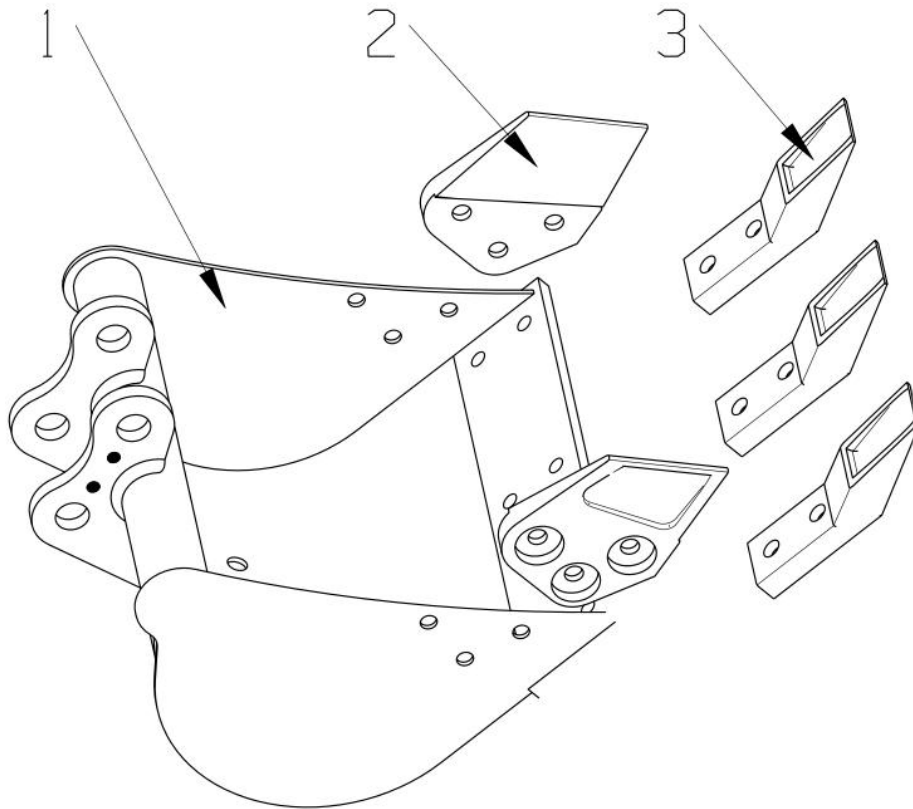
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1.1 Working device assembly



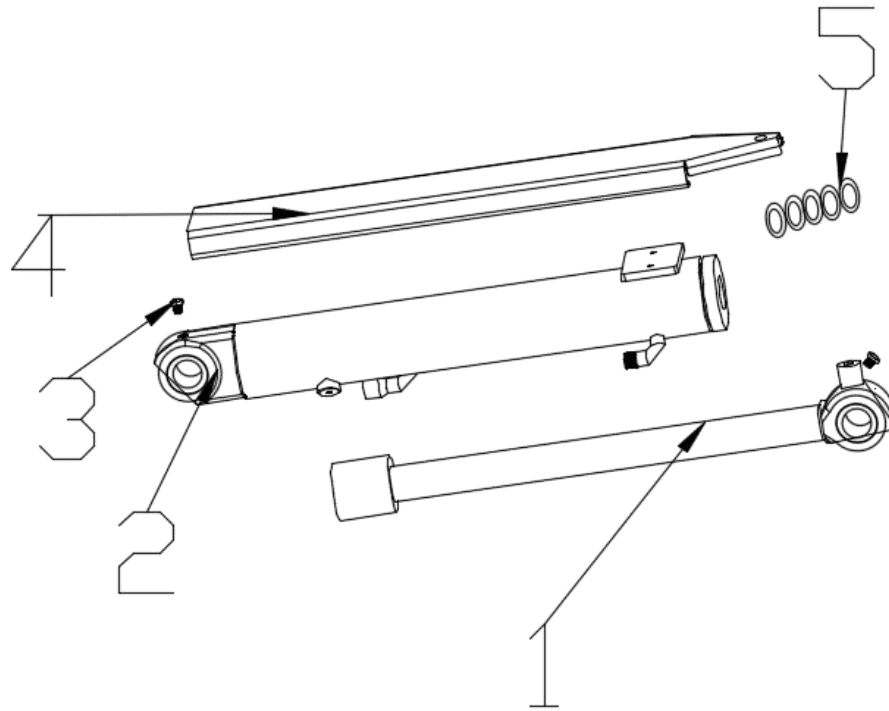
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0107021140	The boom support is connected to the arm pin shaft	1	
2	LP0107021138	The boom support connects to the boom cylinder pin shaft	1	
3	LP0115010206	Move arm cylinder assembly	1	
4	LP0107020092	3099 Pin shaft	1	
5	LP0107020096	Pop cylinder pin shaft	1	
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	LP0104011028	400mm bucket	1	
22	LP0112013016	swing arm	1	

1.2 bucket assembly



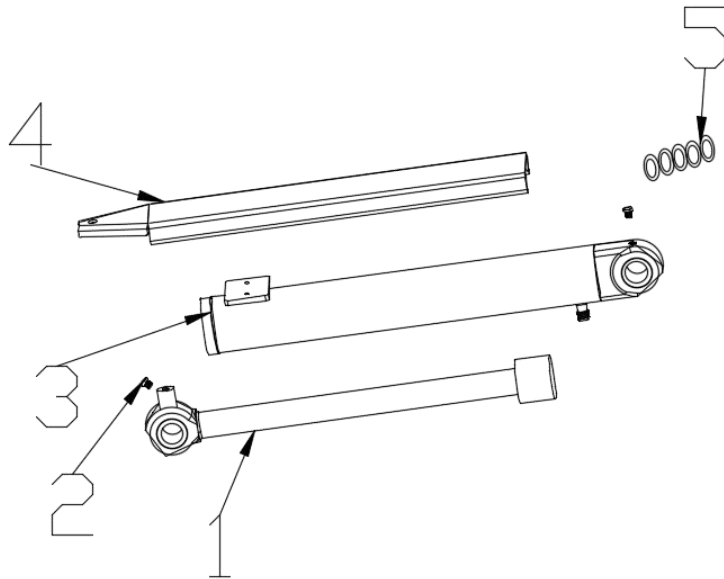
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0104011028	bucket assembly	1	
2	LP011109078	Side tooth	2	
3	LP0111080032	Frontal tooth	3	

1.3 Dig bucket cylinder assembly



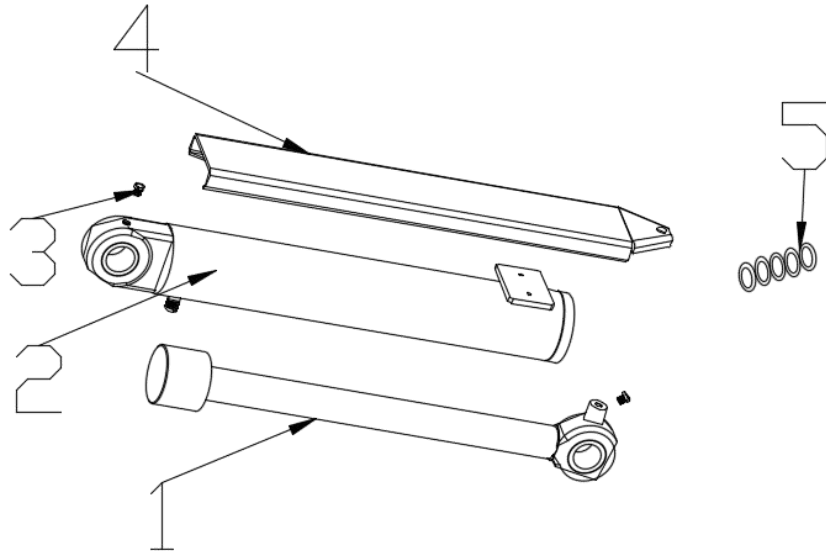
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
	LP0115010063	Bucket cylinder assembly	1	
1	LP0115010169	Shovel bucket cylinder rod	1	
2	LP0115010168	Shovel bucket cylinder block	1	
3	LP0116010092	Butter nozzle M10 * 1	2	
4	LP0112014165	Oil cylinder guard plate	1	
3	LP0116031360	Shovel bucket piston ring group	1	

1.4 Dock cylinder assembly



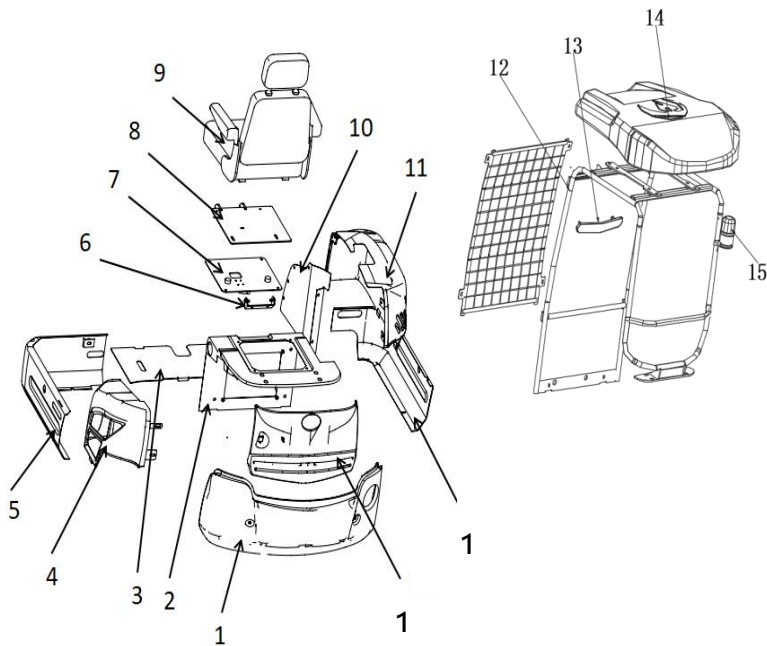
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
	LP0115010062	Dock cylinder assembly	1	
1	LP0115010167	Dock cylinder rod	1	
2	LP0116010092	Butter mouth M10 * 1	2	
3	LP0115010166	Dock cylinder block	1	
4	LP0112014165	Oil cylinder guard plate	1	
5	LP0116031359	Pop piston ring group	1	

1.5 Move arm cylinder assembly



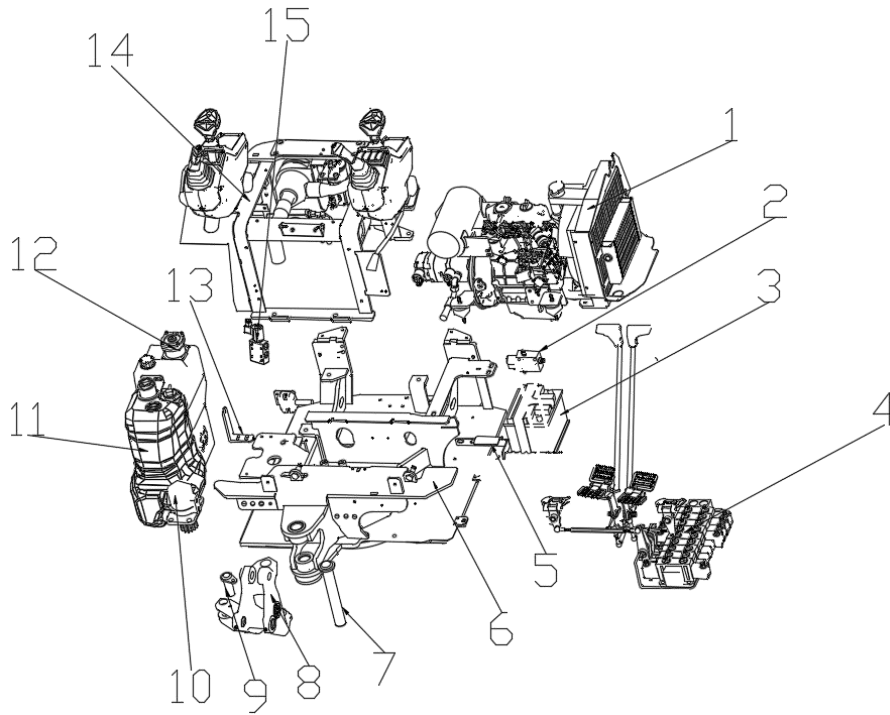
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
	LP0115010061	Move arm cylinder assembly	1	
1	LP0115010165	Move arm cylinder rod	1	
2	LP0115010164	Move arm cylinder block	1	
3	LP0116010092	Butter mouth M10 * 1	2	
4	LP0112014166	Oil cylinder guard plate	1	
5	LP0116031358	Boom-piston sealing ring	1	

2.1 Upper disc appearance assembly



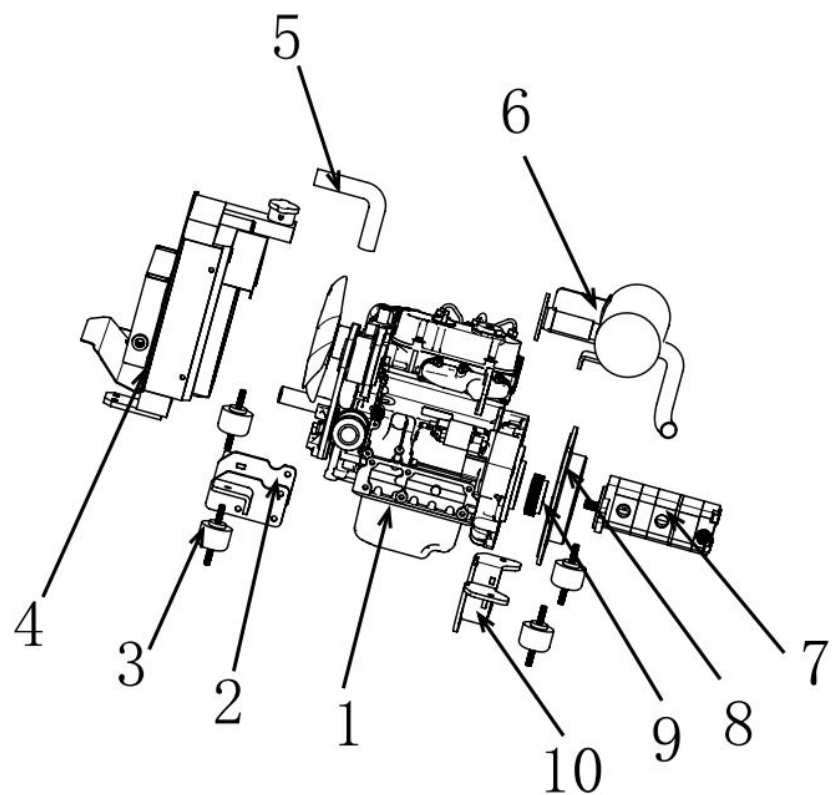
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0112013407	Heavy spray plastic	1	
2	LP0112012363	Pilot seat cover spray	1	
3	LP0112012337	Spray the pilot pedal	2	
4	LP0112012129	Left upper cover spray plastic	1	
5	LP0112012117	The lower left shield is sprayed with plastic	1	
6	LP0112010272	Seat articulated spray molding	1	
7	LP0112012494	Spray plastic on the seat fixing plate	1	
8	LP0112012493	Spray molding on the seat mounting plate	1	
9	LP0108040007	seat	1	
10	LP0112011954	Cover side plate spray plastic	1	
11	LP0112012360	The upper right guard is sprayed with plastic	2	
12	LP0108020070	Ceiling assembly	1	
13	LP0111080521	Rear view mirror	1	
14	LP0108020004	Ceiling cover	1	
15	LP0106020481	caution light	1	
16	LP0112012119	The lower right shield is sprayed with plastic	1	
17	LP0112013050	Rear cover spray plastic	1	

3.1 Upper disc internal assembly



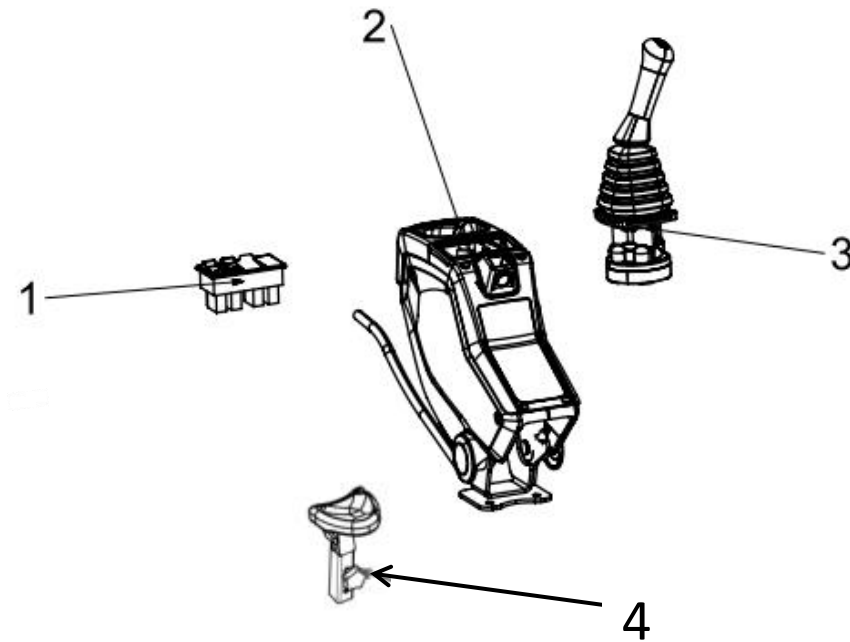
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0119020187	Engine assembly	1	
2	LP0115030028	Expansion solenoid switching valve	1	
3	LP0106010004	storage battery	1	
4	LP0101030025	multiple unit valve	1	
5	LP0112012309	Lower left guard cover mounting plate	1	
6	LP0112013924	On the plate spray plastic	1	
7	LP0107021131	Move arm bracket pin shaft	1	
8	LP0112013016	Move the arm bracket	1	
9	LP0107021130	Front fork pin shaft of the deflection cylinder	1	
10	LP0102030001	rotary motor	1	
11	LP0115040010	Plastic diesel tank	1	
12	LP0115040073	Plastic hydraulic tank	1	
13	LP0112012072	Lower right guard cover mounting plate		
14	LP0112013922	Seat bracket assembly	1	
15	LP0104010883	Hydraulic quick-change solenoid valve	1	

3.2 power assembly



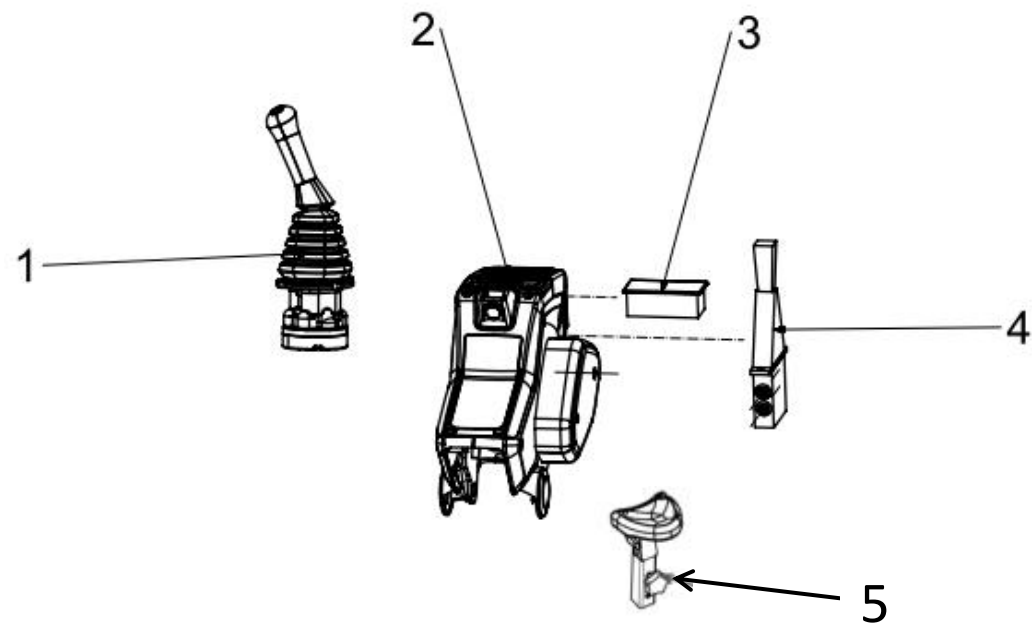
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0103020003	The Kubota D722 engine	1	
2		Engine mounting plate # 1	1	
3	LP0111020035	Engine shock absorber pad	4	
4	LP0110020012	radiator	1	
5	LP0113010022	Complete set of rubber hose	1	
6	LP0114010056	muffler	1	
7	LP0101010025	gear pump	1	
8	LP0102010037	bell housing	1	
9	LP0102010038	clutch	1	
10		Engine mounting plate 2	1	

3.3 New left armrest box assembly



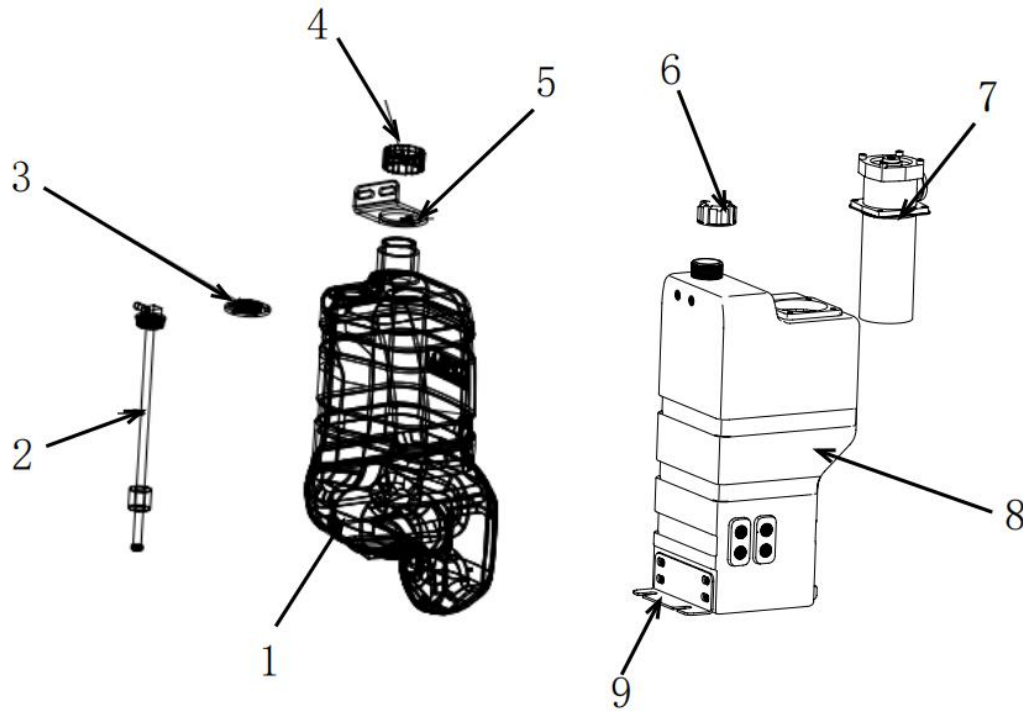
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0106040042	Turn plate switch	1	
2	LP0111030063	Left armrest box	1	
3	LP0115030005	Lead left hand handle	1	
4	LP0116030472	Trumpet armrests	1	

3.4 New right armrest box assembly



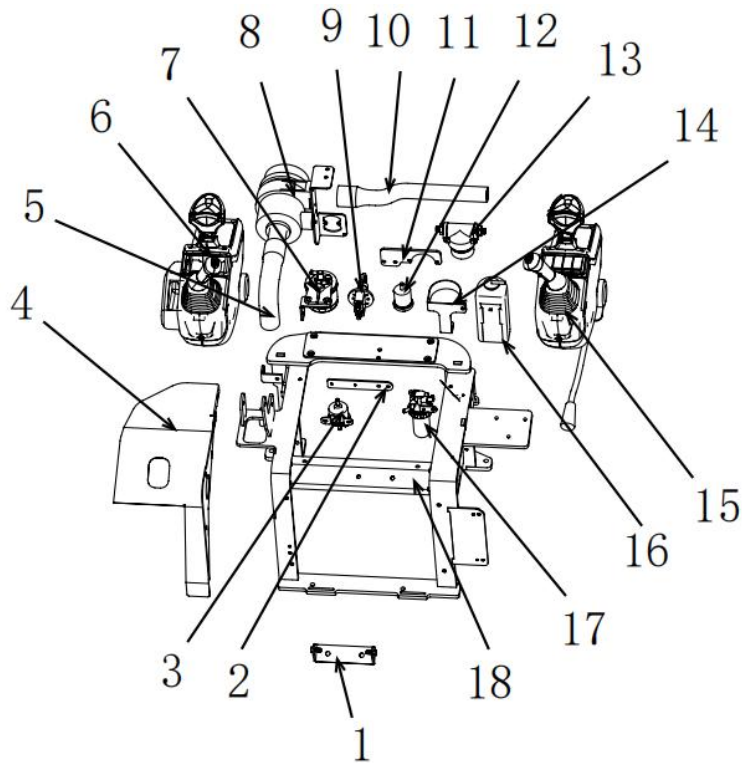
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0115030006	Right lead handle	1	
2	LP0111030064	The right hand box	1	
3	LP0106040043	appearance	1	
4	LP0115030011	Push soil valve	1	
5	LP0116030472	Trumpet armrests	1	

3.5 Fuel tank assembly



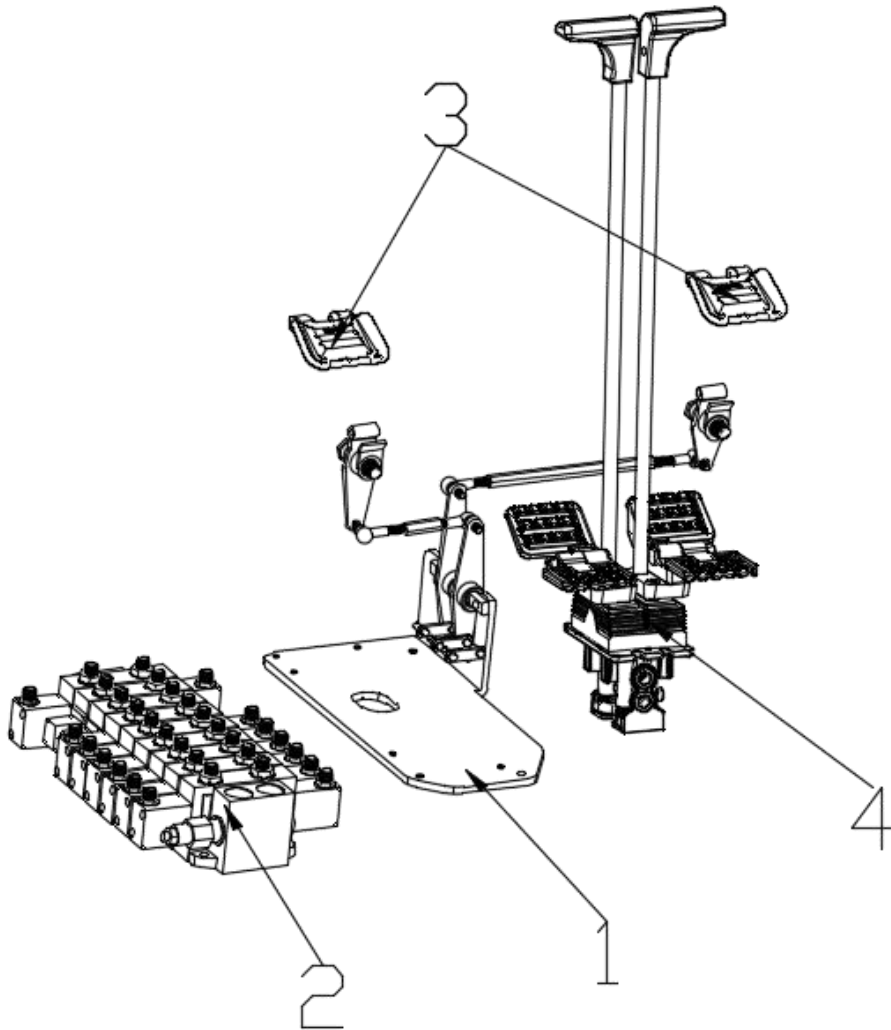
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
	LP0115040077	The NDI fuel tank assembly	1	
1	LP0115040010	Plastic diesel tank	1	
2	LP0111040007	Oil level sensor	1	
3	LP0107021028	Oil level sensor seat	1	
4	LP0111080091	Chai tank cover	1	
5	LP0112010264	Fuel tank fixing board	1	
6	LP0111080091	Hydraulic tank cover	1	
7	LP0115030046	Hydraulic oil return filter	1	
8	LP0115040073	Plastic hydraulic tank	1	
9	LP0112012646	Hydraulic fuel tank mounting plate	1	

3.6 Seat bracket assembly

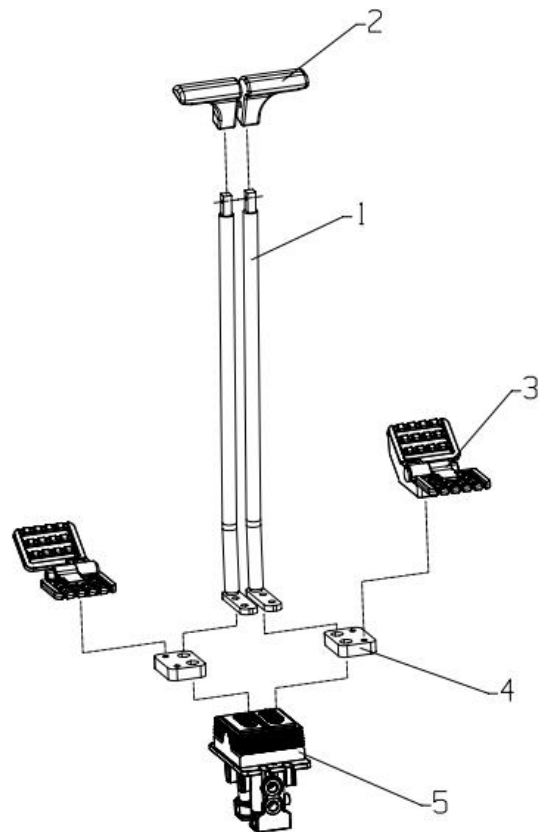


REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0112013101	Spray seat hing panel	1	
2		Diesel fuel element mounting plate	1	
3	LP0111020081	Electronic oil pump	1	
4	LP0112013093	Fuel tank protection plate spray molding	1	
5	LP0113010214	Engine intake trachea	1	
6	LP0111030064	Right armrest box assembly	1	
7	LP0111020090	Diesel filter element	1	
8	LP0111010005	air cleaner element	1	
9	LP0106040054	Power supply main switch	1	
10	LP0113010217	Air filter into the trachea	1	
11		The Kubota pilot filter element mounting plate	1	
12	LP0111020082	coating	1	
13	LP0115030049	Pilot filter	1	
14		Secondary kettle fixed card	1	
15	LP0111030063	Left armrest box assembly	1	
16	LP0111080035	Deputy kettle	1	
17	LP0111020089	Kubota oil and water separator	1	
18	LP0112013922	Seat bracket	1	

3.7 Articulate assembly

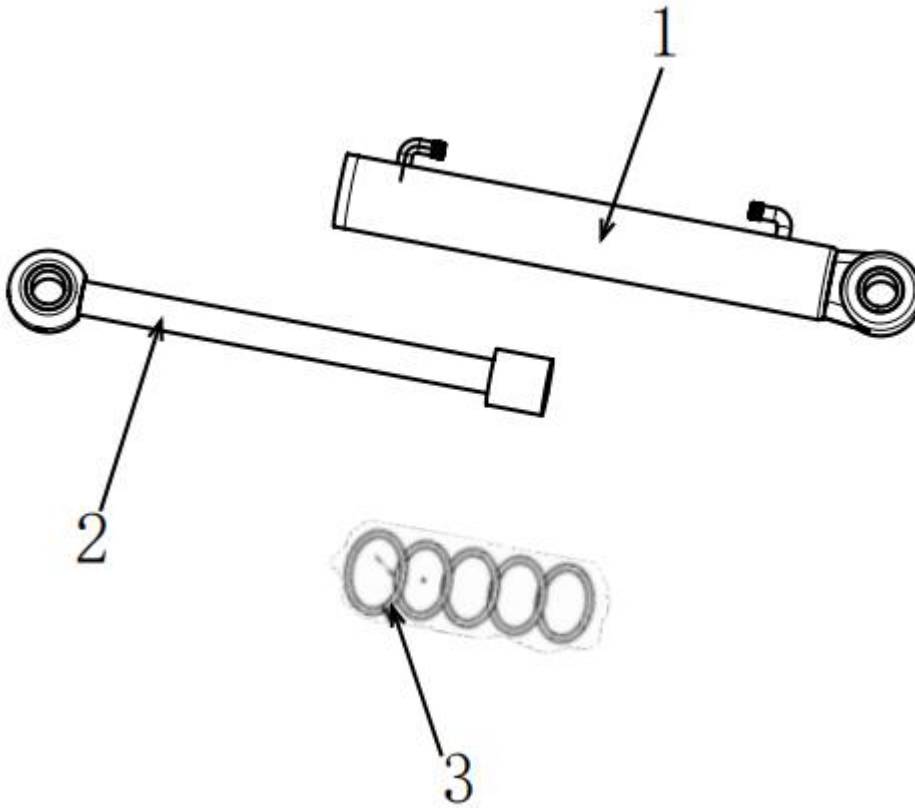


REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0112012339	Multiplex valve installation board	1	
2	LP0101030025	multiple unit valve	1	
3	LP0111080081	foot plate	2	
4		Walking foot valve assembly	1	



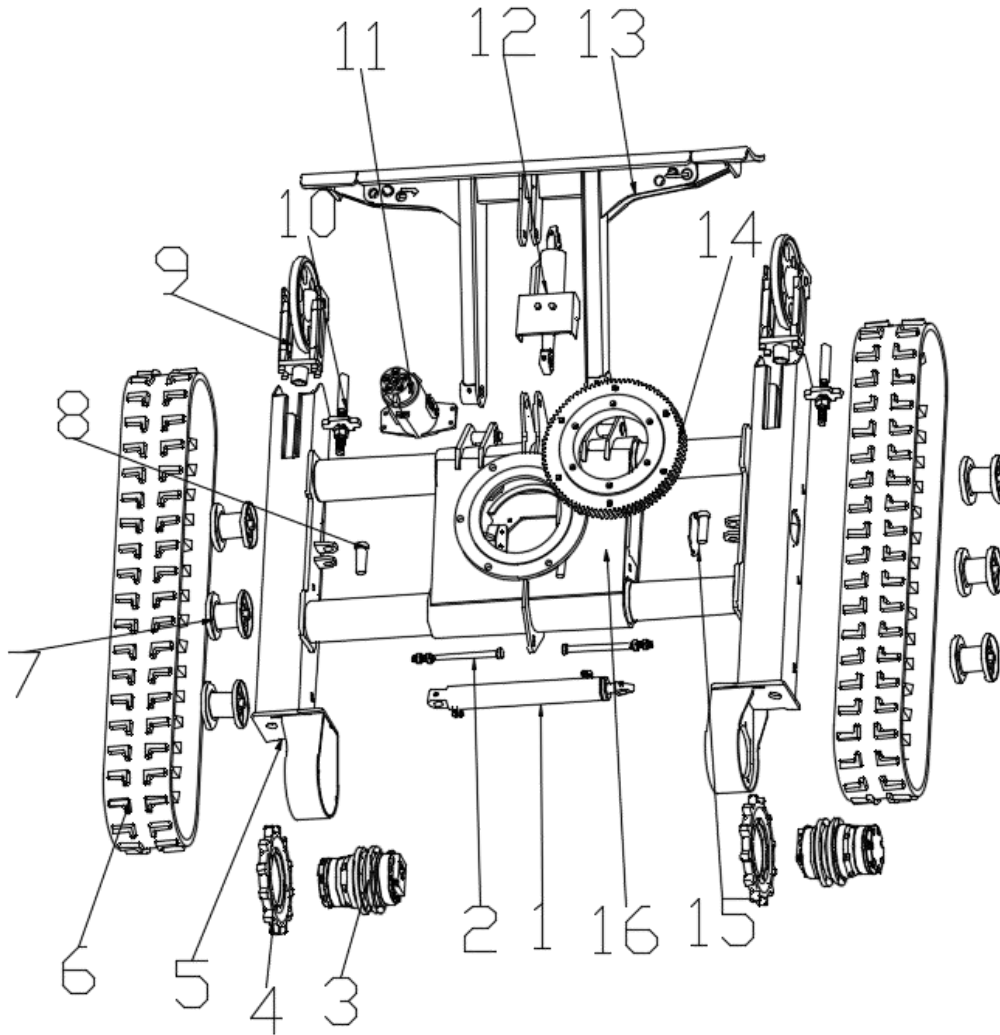
REF No.	Part No.	Part Name	Q/TY	REMARKS
1	LP0111080348	NDI355 Walking pole purchase parts	1	
2	LP0111080202	15 either both pilot. 18 The three-cylinder. 20 has a tail. 30.30	1	
3	LP0115030052	NDI355 Double-pedal valve foot pedal	1	
4	LP0115030053	NDI355 Double-pedal valve connection plate	2	
5	LP0115030059	NDI355 Double coupling foot valve valve body procurement parts	1	

3.8 The deflection cylinder assembly



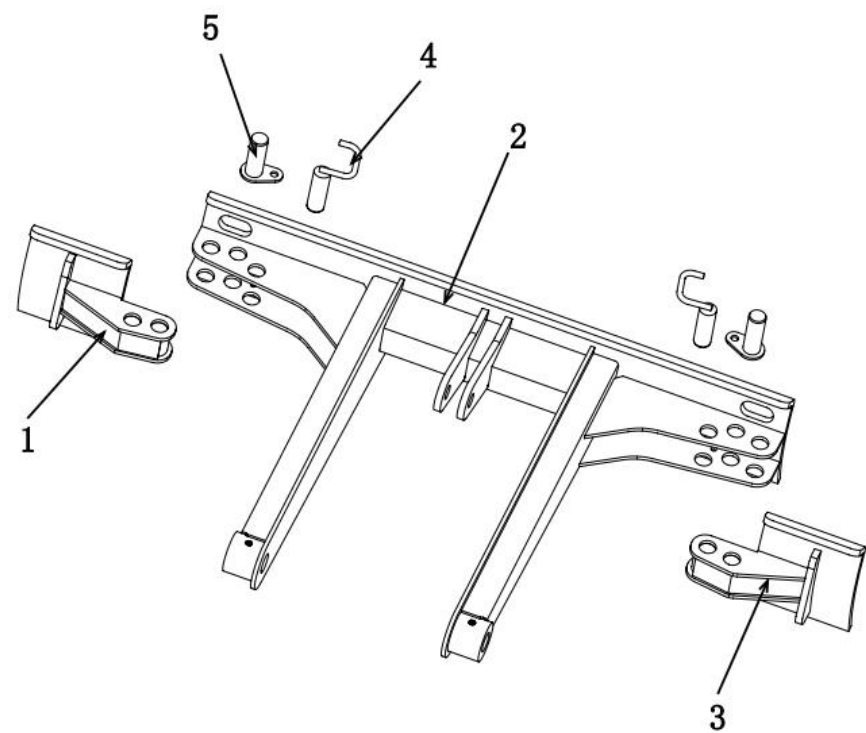
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0115010051	The deflected cylinder block	1	
2	LP0116030609	Complete deflection cylinder oil seal	1	
3	LP0115010156	The deflection cylinder rod	1	

4.1 Telescopic down chasis assembly



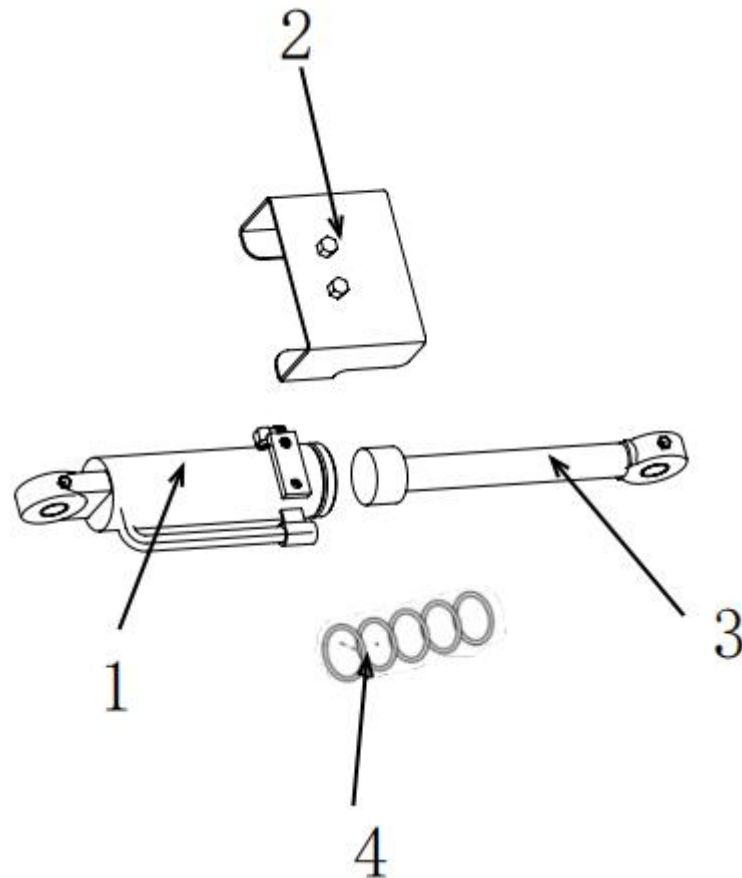
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0115010086	telescopic cylinder	1	
2	LP011109555	Left walking bracket	1	
3	LP0102020023	Walking motor	2	
4	LP0102090005	Drive the chain wheel	2	
5		Walking motor mounting seat	2	
6	LP0102110003	rubber belt track	2	
7	LP0102060001	thrust wheel	4	
8	LP0107010455	pin roll	2	
9	LP0102070002	Mechanical tension device	2	
10	LP0102070016	Up tight rod	2	
11	LP0102050002	Central rotary joint	1	
12	LP0115010060	Push soil oil cylinder	1	
13	LP0112012652	Push soil shovel assembly	1	
14	LP0102040001	Central rotary support	1	
15	LP0112013098	Butter mouth cover plate	2	
16	LP0112014135	Lower plate bracket	1	

4.2 Push soil shovel assembly



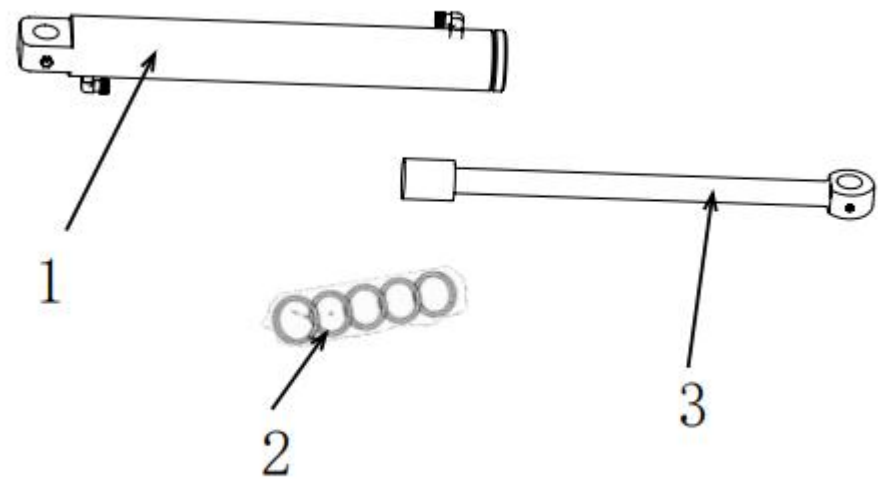
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
1	LP0112012653	Expand the ear panel to the left side of the push shovel	1	
2	LP0112012652	dozer blade	1	
3	LP0112012654	Wide the ear panel to the right side of bulldozing	1	
4	LP0107020095	25X70 pin shaft	2	
5	LP0107020094	25X80 pin shaft	2	

4.3 Blade cylinder assembly



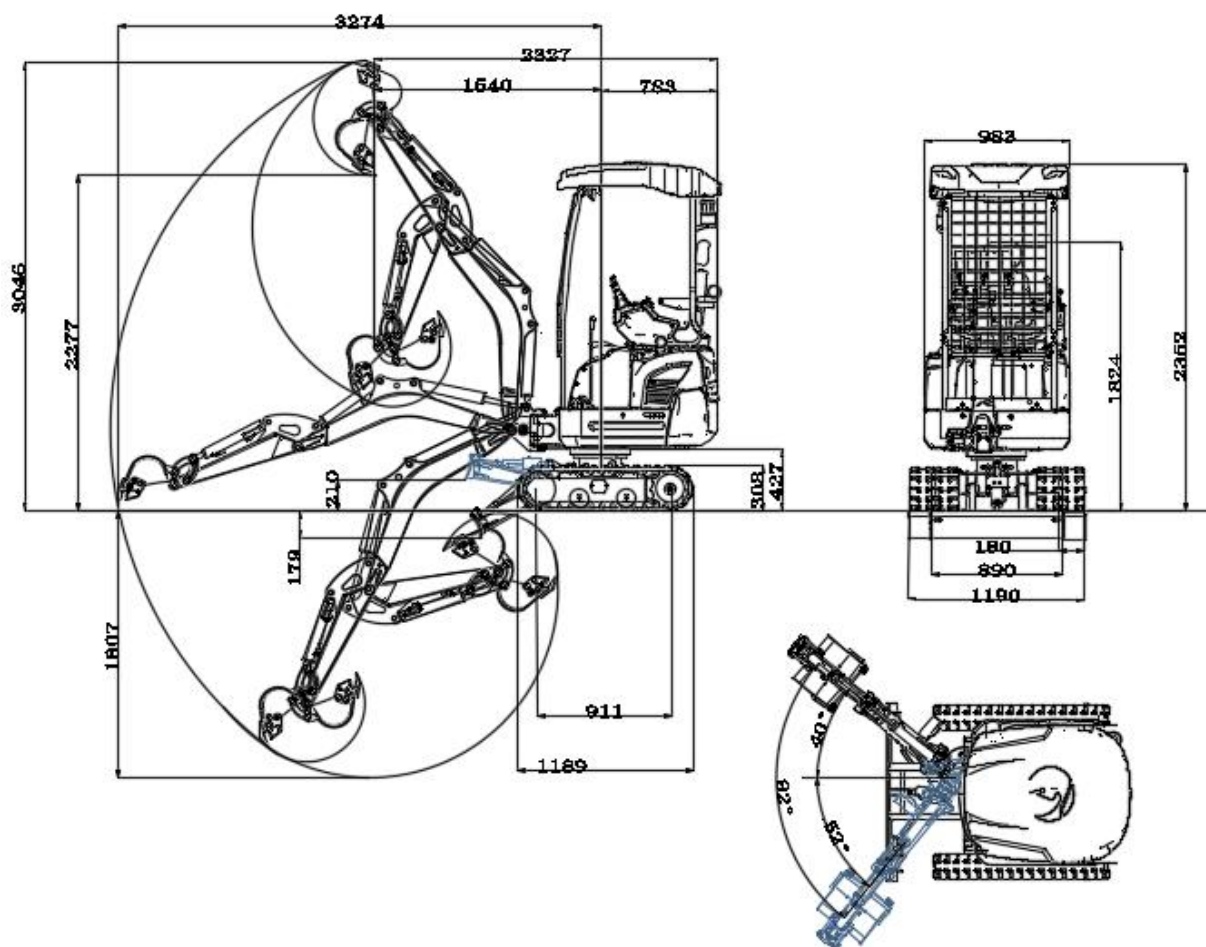
REF NO.	Part NO.	Part Name	Q/TY	REMARKS
	LP0115010060	Push soil shovel cylinder	1	
1	LP0115010151	Blade shovel cylinder block	1	
2	LP0112010831	Blade shovel cylinder plate spray	1	
3	LP0112010831	Stick for bulldozing cylinder	1	
4	LP0116030607	Complete set of bulldozing oil cylinder oil seal	1	

4.4 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	

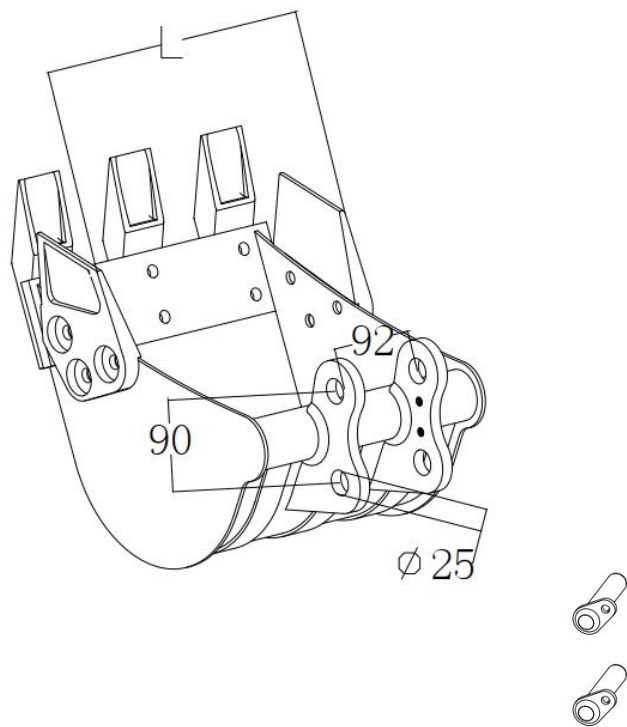
5. R15-3 (XD-JBT) envelope diagram



unit: mm

6 .R15-3 accessories (installation size: shaft diameter 25, gear spacing 92, shaft spacing 90)

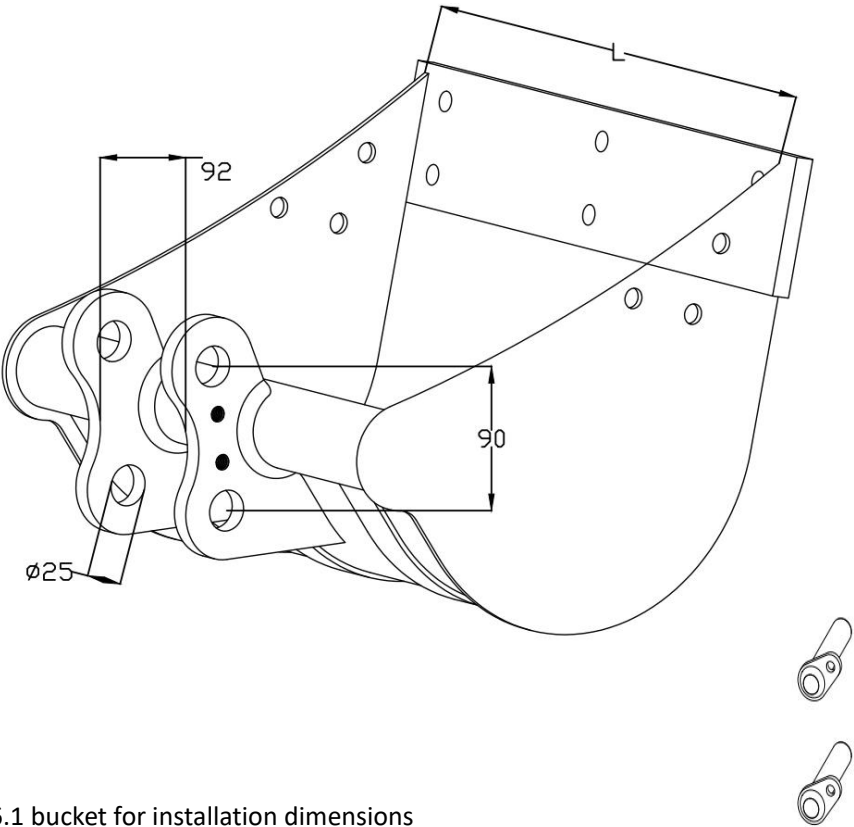
6.1 R15-3 bucket



See 6.1 bucket for installation dimensions

REF No.	Size.	Part No.	Part Name
1	L=200mm	LP0104010778	200 Bucket
2	L=300mm	LP0104010928	300 Bucket
3	L=400mm	LP0104010980	400 Bucket
4	L=500mm	LP0104010774	500 Bucket
5	L=600mm	LP0104010775	600 Bucket
6	L=800mm	LP0104010781	800 Bucket
7	L=1000mm	LP0104010782	1000 Bucket
LP0107021006		Dig bucket fixed shaft	2

6.2 R15-3 mud bucket

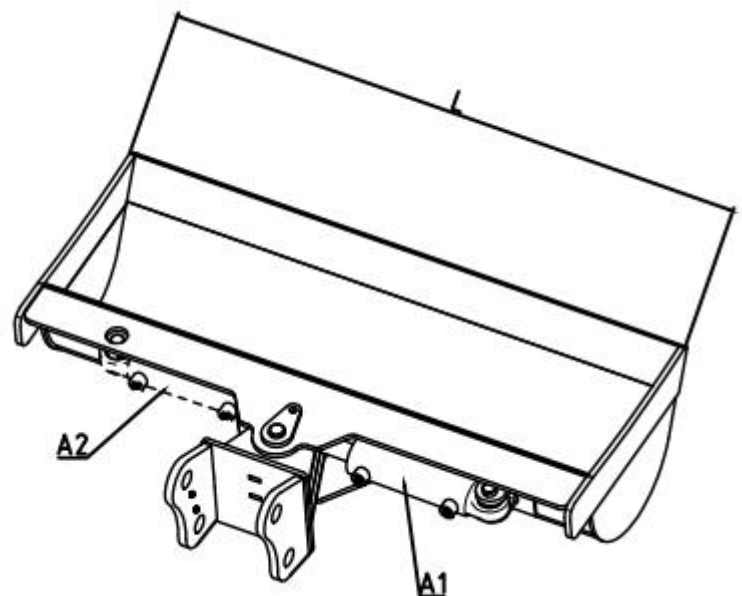


See 6.1 bucket for installation dimensions

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)

LP0107021006	Dig bucket fixed shaft	2
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6.3 R15-3 tilt bucket

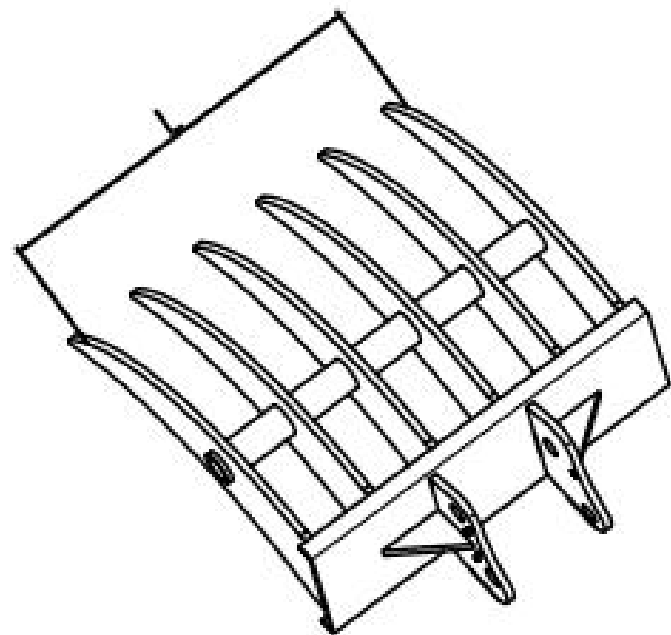


REF No.	Size.	Number of cylinders	Part No.	名称 Part Name
1	L=600mm	1	LP0104010796	600 single cylinder tilt (ramp)
2	L=800mm	1	LP0104010797	800 single cylinder tilt (ramp)
3	L=1000mm	1	LP0104010798	1000 single cylinder tilt (ramp)
4	L=800mm	2	LP0104010799	800 double cylinder tilt (ramp)

See 6.1 bucket for installation dimensions

LP0107021006	Dig bucket fixed shaft	2
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6. 4 The R15-3 rakes

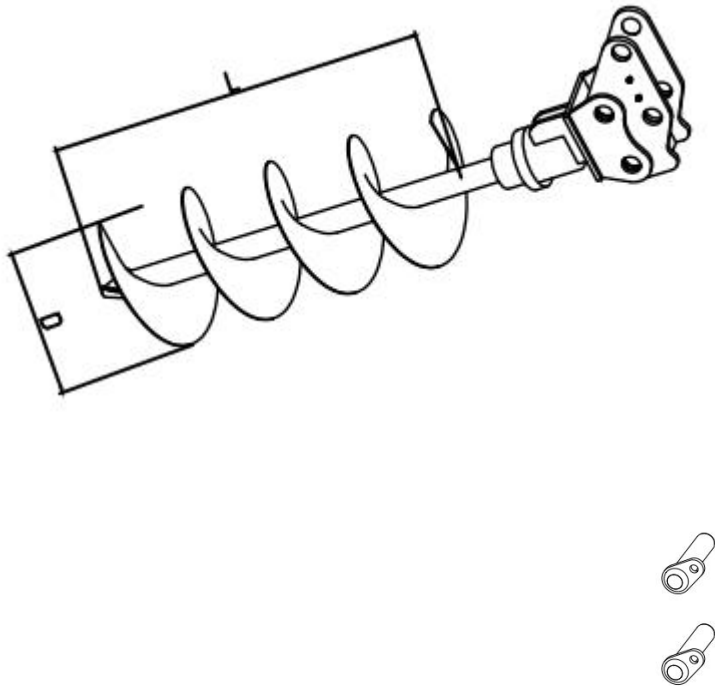


See 6.1 bucket for installation dimensions

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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6. 5 R15-3 rotary dig drill



REF No.	Length.	Diameter	Part No.	Part Name
1	L=800mm	D=Ø15mm	LP0104010048	80cm long diameter 15cm rotary digging drill
2	L=800mm	D=Ø20mm	LP0104010053	80cm long diameter 20cm rotary digging drill
3	L=800mm	D=Ø30mm	LP0104010058	80cm long diameter 30cm rotary digging drill
4	L=800mm	D=Ø40mm	LP0104010063	80cm long diameter 40cm rotary digging drill
5	L=1000mm	D=Ø20mm	LP0104010182	100cm long diameter 30cm rotary digging drill
6	L=1000mm	D=Ø25mm	LP0104010711	100cm long diameter 25cm rotary digging drill
7	L=1000mm	D=Ø30mm	LP0104010190	100cm long diameter 30cm rotary digging drill
8	L=1200mm	D=Ø15mm	LP0104011145	120cm long diameter 15cm reducer rotary digging drill
9	L=1200mm	D=Ø20mm	LP0104010156	120cm long diameter 20cm rotary digging drill
10	L=1500mm	D=Ø10mm	LP0104010088	150cm long diameter 10cm reducer rotary digging drill
11	L=1500mm	D=Ø20mm	LP0104011091	150cm long diameter 20cm reducer rotary digging drill
			LP0107021006	Dig bucket fixed shaft
				2

See 6.1 bucket for installation dimensions

6.6 R15-3 Quick change

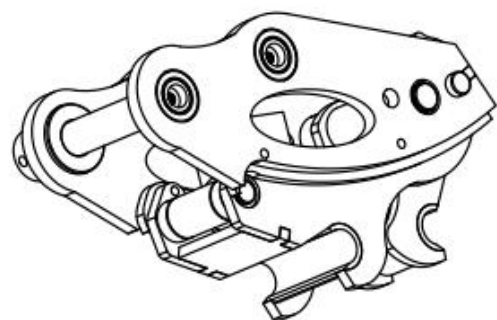


Figure 6.6.1 Hydraulic quick change

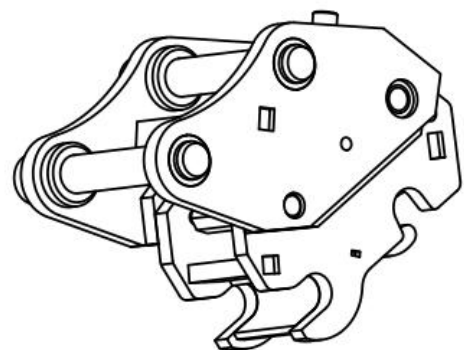
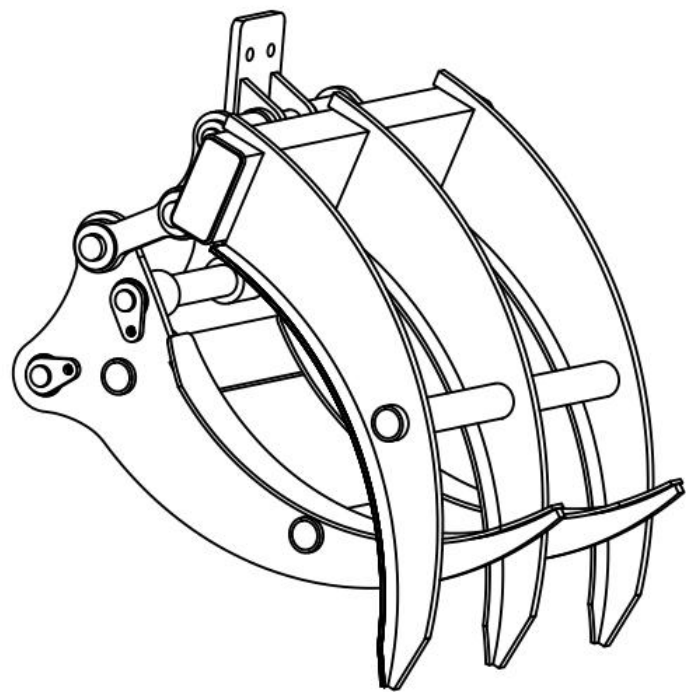


Figure 6.6.2 Mechanical quick change

REF No.	Part No.	Part Name
1	LP0104011406	Pilot hydraulic quick change
2	LP0104010233	Mechanical fast change

LP0107021006	Dig bucket fixed shaft	2
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6.7 R15-3 log grapple



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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