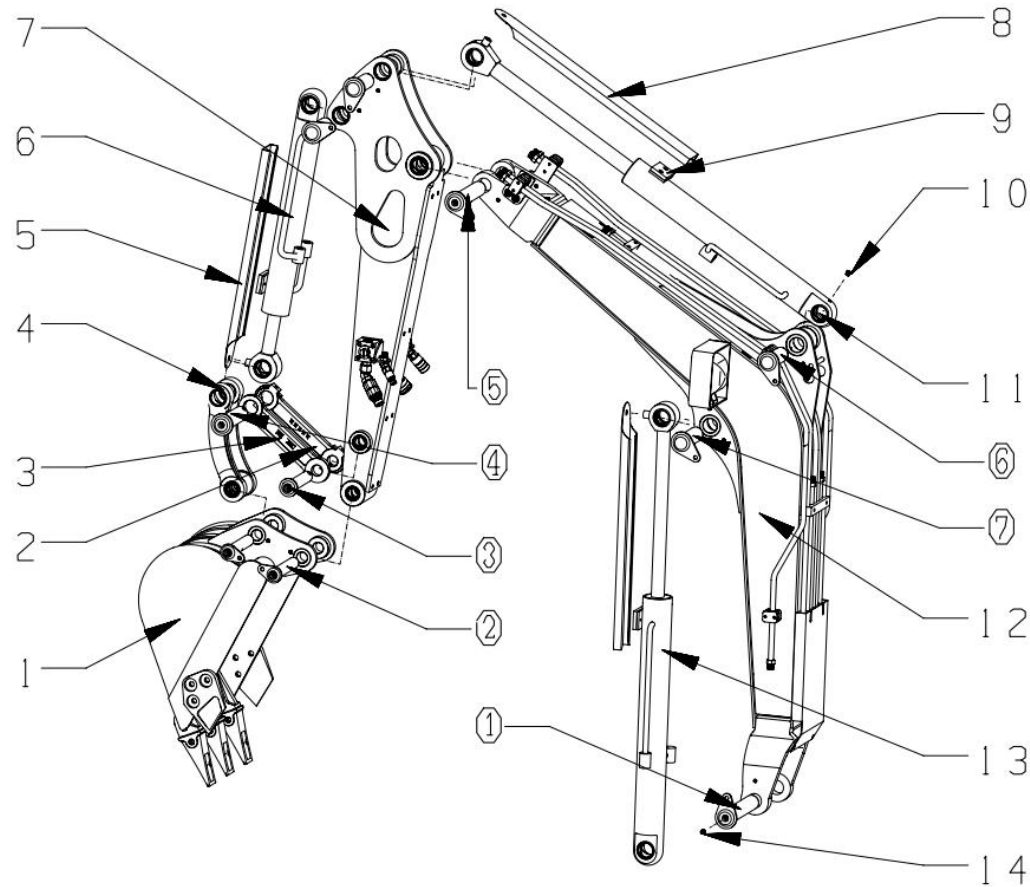


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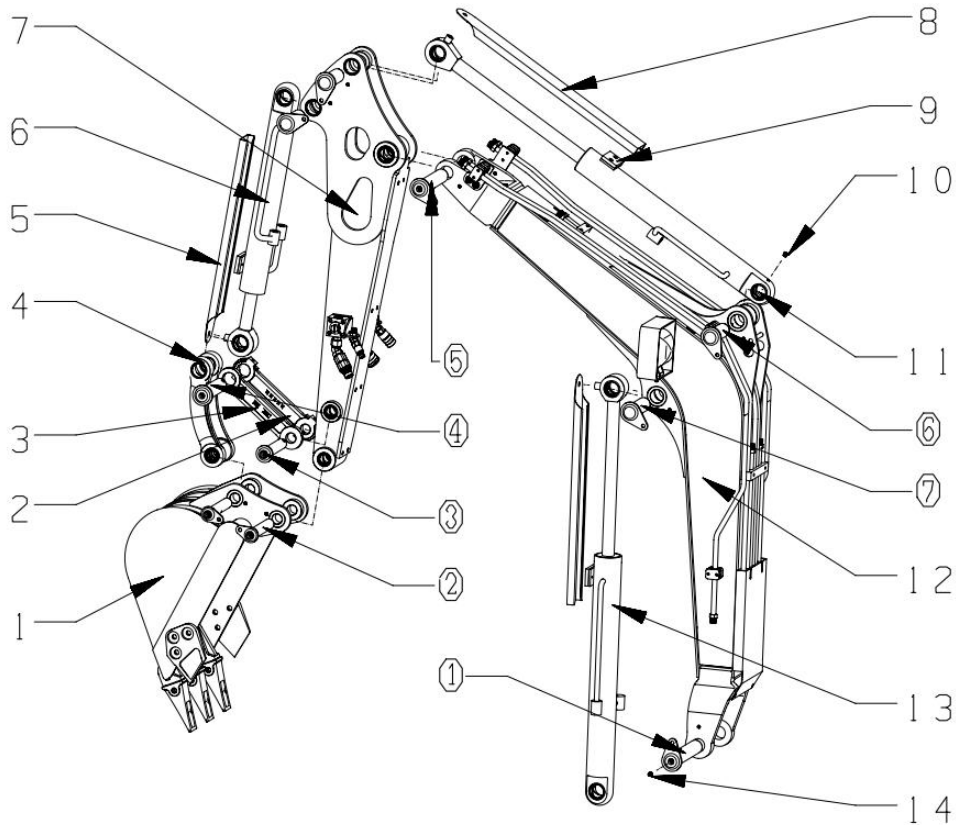
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1.1 Working device



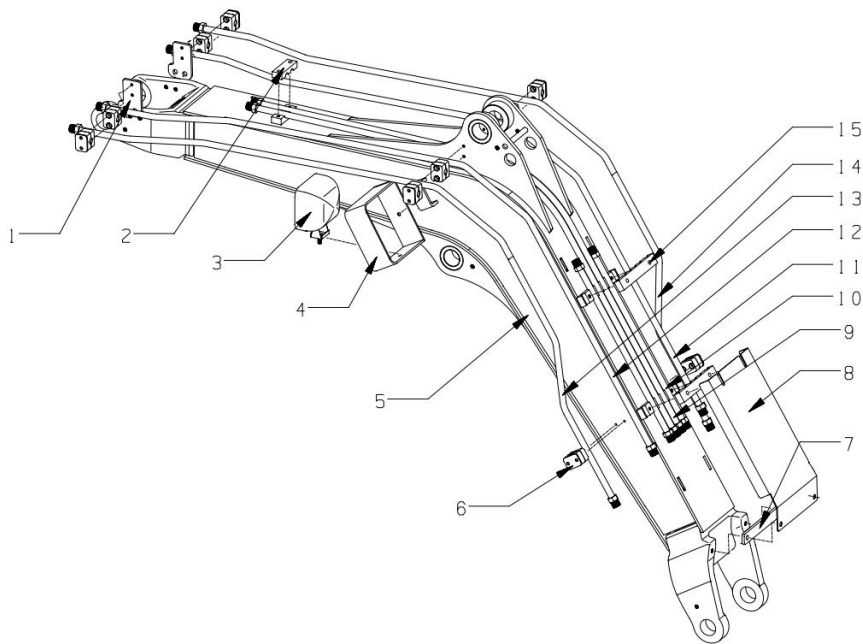
REF No.	Part No.	Part Name	Q/TY	REMARKS
1	LP0104010970	R22-1 bucket-400	1	
2	LP0112013194	Traffic in blue RAL5017	1	
3	LP0112012697	R22-1 Cast rocker (with hole)	1	
4	LP0112012696	-Traffic Blue in RAL5017	1	
5	LP0112012035	R22-1 cast rocker (without holes)	1	
6	LP0115010147	-Traffic Blue in RAL5017	1	
7		R22-1 to cast the link	1	
8	LP0112012033	-Traffic Blue in RAL5017	2	
9	LP011109015	R22-1 bucket oil cylinder guard plate	3	
10	LP0116012493	R22-1 bucket oil cylinder	6	
11	LP0115010146	The pole assembly	1	
12		R22-1 boom cylinder guard plate	1	
13	LP0115010145	Nylon guide block	1	
14	LP0116010092	Funnel-type butter nozzle M10X1	5	

1.1-2 Working device



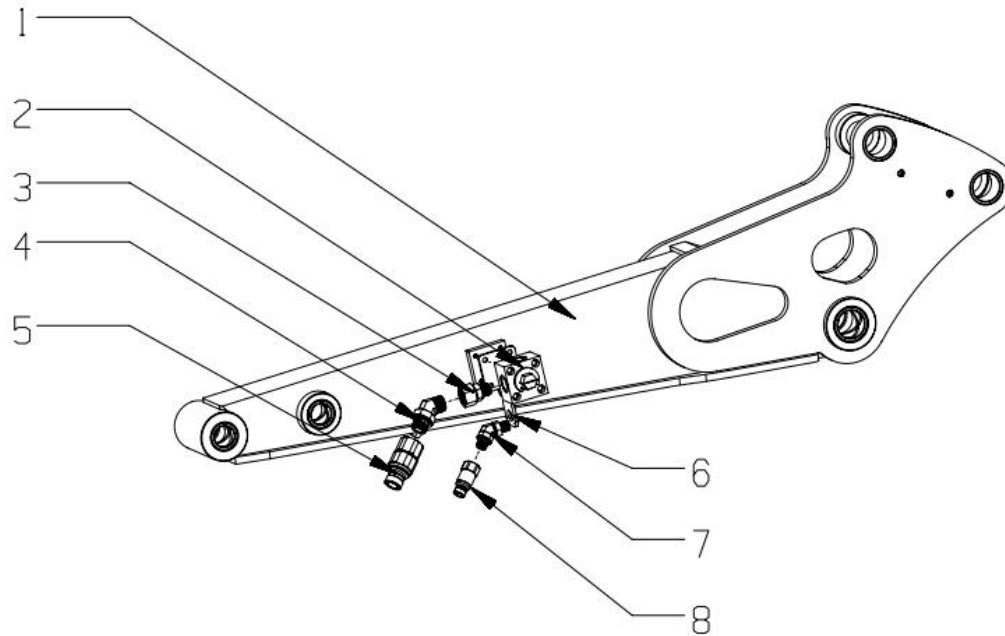
REF No.	Part No.	Part Name	Q/TY	REMARKS
①	LP0107021501	Pin shaft, TZ- Φ 40x229	1	Move the arm back fork pin shaft
②	LP0107021507	Pin shaft, TZ- Φ 30x177	2	Shovel bucket pin shaft
③	LP0107021505	Pin shaft, YZ- Φ 30x164	1	Bucket bar-rocker pin shaft
④	LP0107021506	Pin shaft, YZ- Φ 40x164	1	Connecting rod-rocker pin shaft
⑤	LP0107021503	Pin shaft, TZ- Φ 40x205	1	Boom-bucket rod pin shaft
⑥	LP0107021504	Pin shaft TW- Φ 40x113	3	Dock oil cylinder shaft
⑦	LP0107021502	Pin shaft TW- Φ 40x127	1	Dock oil cylinder shaft

1.2 Motion arm assembly



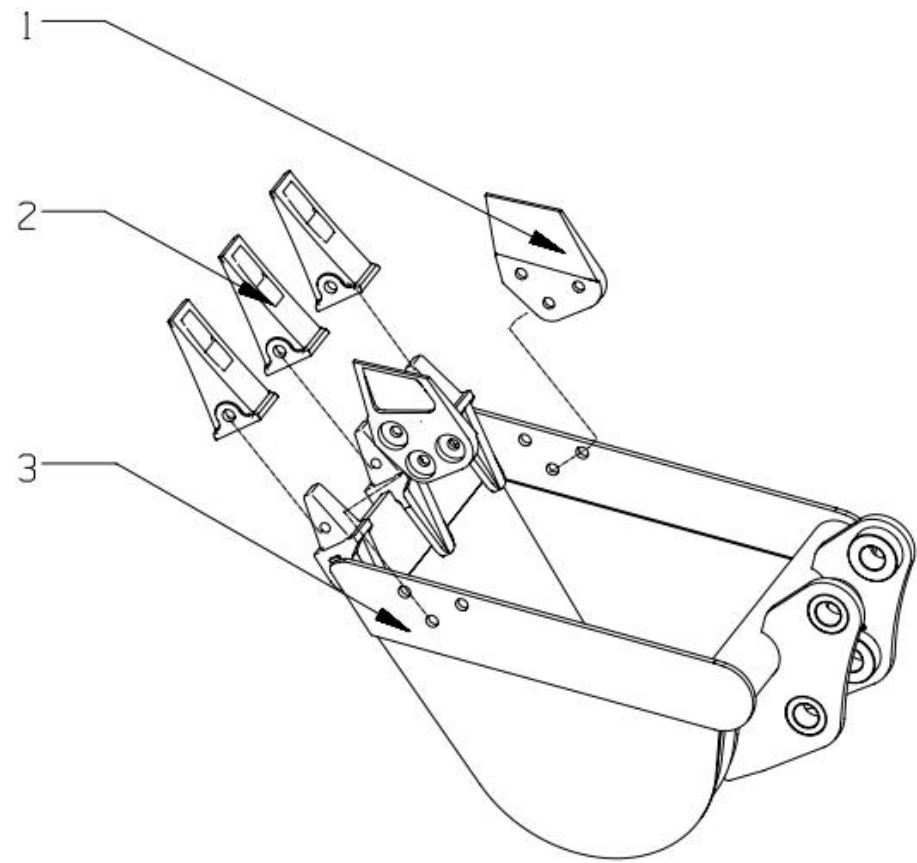
REF No.	Part No.	Part Name	Q/TY	REMARKS
1	LP0112013393	R22-1 crushing pipe clip-fixing plate spray molding	2	
2	LP0111070023	Two-hole pipe clip	1	
3	LP0106020231	LED light in 9 plants	1	
4	LP0112011598	NDI355 Boom headlight cover plate spray plastic	1	
5	LP0112012694	R22-1 boom spray plastic	1	
6	LP0111080475	Traffic in blue RAL5017	10	
7	LP0112013392	Light-weight single-hole tube clip 14	1	
8	LP0112013391	R22-1 boom oil liner pressure plate plastic injection	1	
9	LP0115021169	R22-1 boom oil pipe cover plate for plastic injection	2	
10	LP0115021168	R22-1 bucket iron pipe	2	
11	LP0115021170	R22-1 bucket bar iron pipe	1	
12	LP0115021171	R22-1 broken iron pipe-R	1	
13	LP0115021426	R22-1 broken iron pipe-L	1	
14	LP0115021427	R22-1 with iron pipe-L	1	
15	LP0111070027	Six-hole tube clamp ID 14-no wire	2	

1.3 The pole assembly



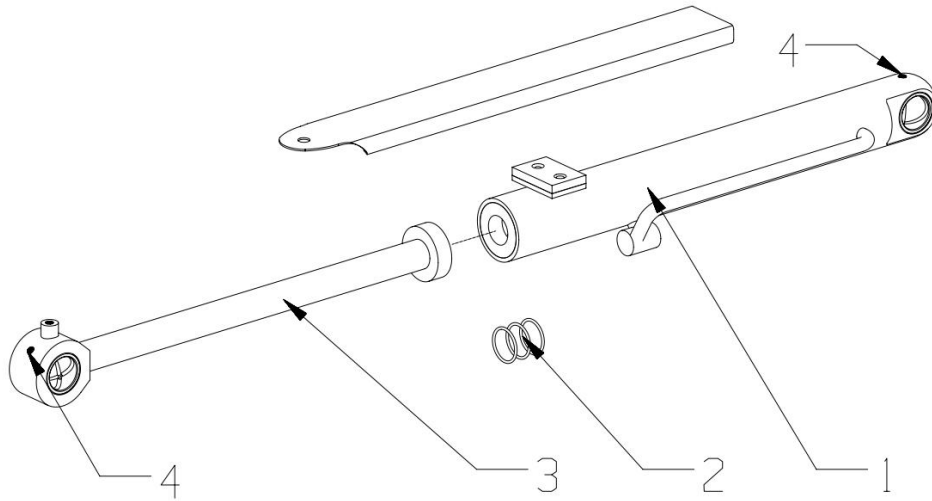
REF No.	Part No.	Part Name	Q/TY	REMARKS
1	LP0112012695	NDI340 Boom spray plastic	1	
2	LP0115021277	The new three-way ball valve	2	
3	LP0115030057	3 / 8ED * 22 parent	2	
4	LP0115021421	1 / 2 adjustable 45 * 22H	2	
5	LP0115030057	1 / 2 quick connector	1	A male and a mother
6	LP0112014256	Three-way ball valve next to the installation seat spray plastic-traffic blue RAL5017	2	
7	LP0115021420	14 adjustable 45 * 14 next door	2	
8	LP0115030077	M14 quick connector	1	A male and a mother

1.4 bucket



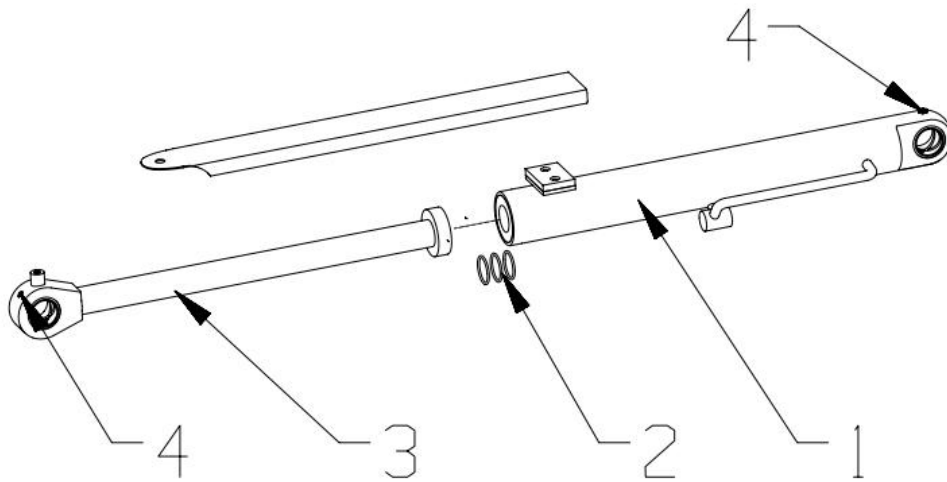
REF No.	Part No.	Part Name	Q/TY	REMARKS
	LP0104010970	R22-1 bucket-400	1	
1	LP011109078	General side teeth	2	
2	LP0111099565	Purchase parts for digging bucket right teeth	3	
3	LP0104011093	R22-1 bucket (without side teeth)	1	

1.5 Dig bucket cylinder assembly



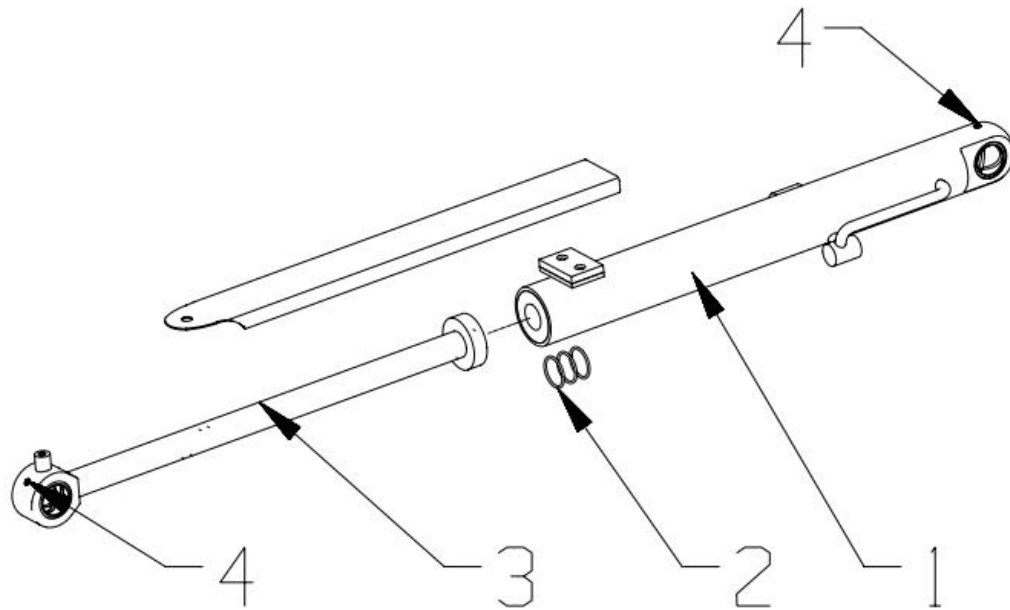
REF No.	Part No.	Part Name	Q/TY	REMARKS
	LP0115010147	R22-1 bucket oil cylinder	1	
1	LP0115010219	R22-1 bucket oil cylinder block	1	
2	LP0115010199	R22-1 bucket oil cylinder sealing ring	1	
3	LP0115010220	R22-1 bucket cylinder rod	1	
4	LP0116012493	Funnel-type butter nozzle M10X1	2	

1.6 Dock cylinder assembly



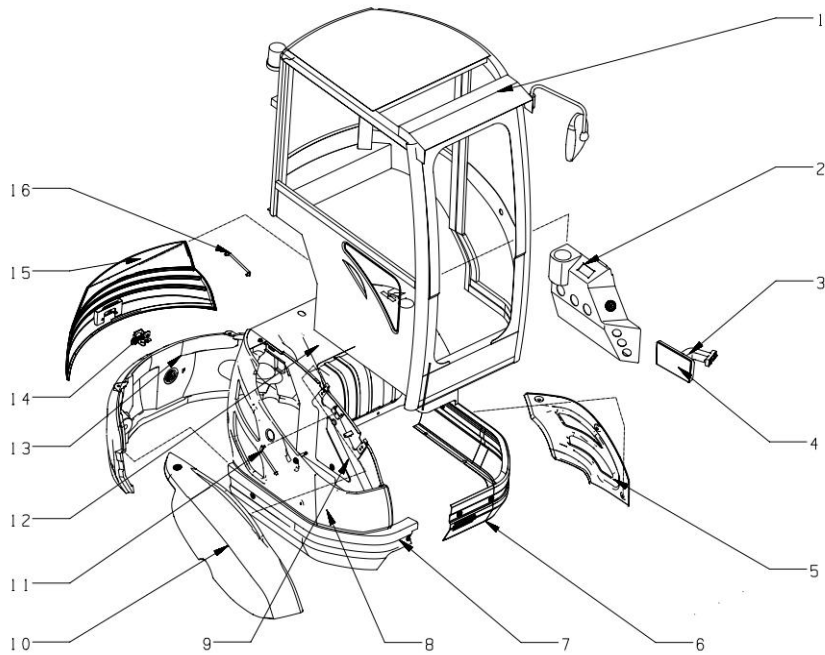
REF No.	Part No.	Part Name	Q/TY	REMARKS
	LP0115010146	R22-1 bucket cylinder	1	
1	LP0115010221	R22-1 bucket cylinder block	1	
2	LP0115010198	R22-1 bucket cylinder sealing ring	1	
3	LP0115010222	R22-1 bucket cylinder rod	1	
4	LP0116012493	Funnel-type butter nozzle M10X1	2	

1.7 Move arm cylinder assembly



REF No.	Part No.	Part Name	Q/TY	REMARKS
	LP0115010145	R22-1 boom cylinder	1	
1	LP0115010223	R22-1 boom cylinder block	1	
2	LP0115010197	R22-1 boom cylinder sealing ring	1	
3	LP0115010224	R22-1 boom cylinder rod	1	
4	LP0116012493	Funnel-type butter nozzle M10X1	2	

2.1 Upper disc appearance assembly

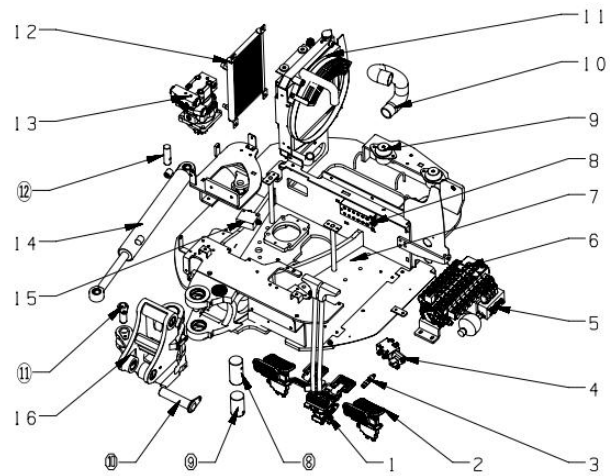


REF No.	Part No.	Part Name	Q/TY	REMARKS
1	LP0108010117	The R22-1 cab	1	
2	LP0108010141	R22-1 Cab air-conditioning interior trim	1	
3	LP0105010022	Complete multimedia stand	1	
4	LP0106040079	The HD meter display screen	1	
5	LP0112012689	R22-1 left cover spray plastic-traffic blue RAL5017	1	
6	LP0112012687	R22-1 left bottom surrounding spray-vertical black RAL7016	1	
7	LP0112012688	R22-1 right bottom surrounding spray-vertical black RAL7016	1	
8	LP0112012690	R22-1 Right shield spray plastic-traffic blue RAL5017	1	
9	LP0112012693	R22-1 Fuel tank spray-traffic blue RAL5017	1	
10	LP0105010015	R22-1 fuel tank cover plastic cover plate	1	
11	LP0112014257	R22-1 plastic cover bar	1	
12	LP0112012692	R22-1 seat plate cover-traffic blue RAL5017	1	
13	LP0112020107	R22-1 counter spray paint- Ripa black RAL7016	1	
14	LP0111080011	NDI355 Rear guard lock	1	
15	LP0112012691	R22-1 rear shield spray plastic-traffic blue RAL5017	1	
16	LP0112014258	R22-1 rear shield bar	1	

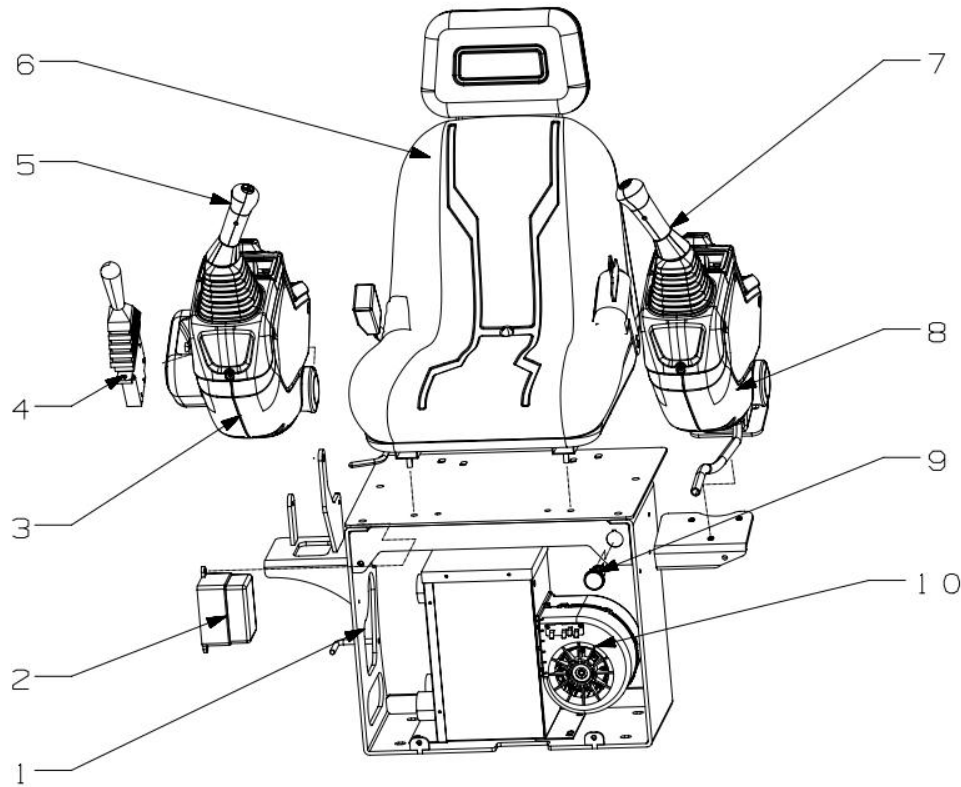
3.1 Upper disc internal assembly

REF No.	Part No.	Part Name	Q/T Y	REMARKS
1		Walking pedal assembly	1	
2	LP0115030016	NDI355 Single-coupling pedal valve	2	
3	LP0106040077	Pressure sensor (for reversing image)	2	
4	LP0104010883	Hydraulic quick-change solenoid valve	1	
5	LP0115030017	Electromagnetic oil source valve + energy accumulator	1	
6	LP0101030066	R22-1 multiplex valve	1	
7	LP0112012701	R22-1 upper disk spray plastic-vertical pie black RAL7016	1	
8	LP0115020367	bus-bar	1	
9	LP0111020069	22W engine damping pad	4	
10	LP0113010330	R22-1 Kubota complete set of rubber hose	1	
11	LP0110020095	R22-1 radiator	1	
12	LP0110010074	R22-1 air-conditioning condenser	1	
13	LP0102030009	The R22-1 rotary motor	2	
14	LP0115010148	R22-1 Swing oil cylinder	1	
15	LP0115030028	Expansion solenoid switching valve	1	
16	LP0117020033	R22-1 cast boom holder	1	
⑧	LP0107021497	Pin shaft GW- $\Phi 60 \times 128$	1	Upper pin shaft on the boom support
⑨	LP0107021498	Pin shaft GW- $\Phi 60 \times 106$	1	Lower pin shaft of the boom support
⑩	LP0107021499	Pin shaft TW- $\Phi 40 \times 167$	1	Move arm cylinder root shaft
⑪	LP0107021500	Pin shaft TW- $\Phi 30 \times 89$	1	Slant cylinder shaft

⑫	LP0107021611	Pin shaft GW- $\Phi 30 \times 104$	1	Slant cylinder root shaft
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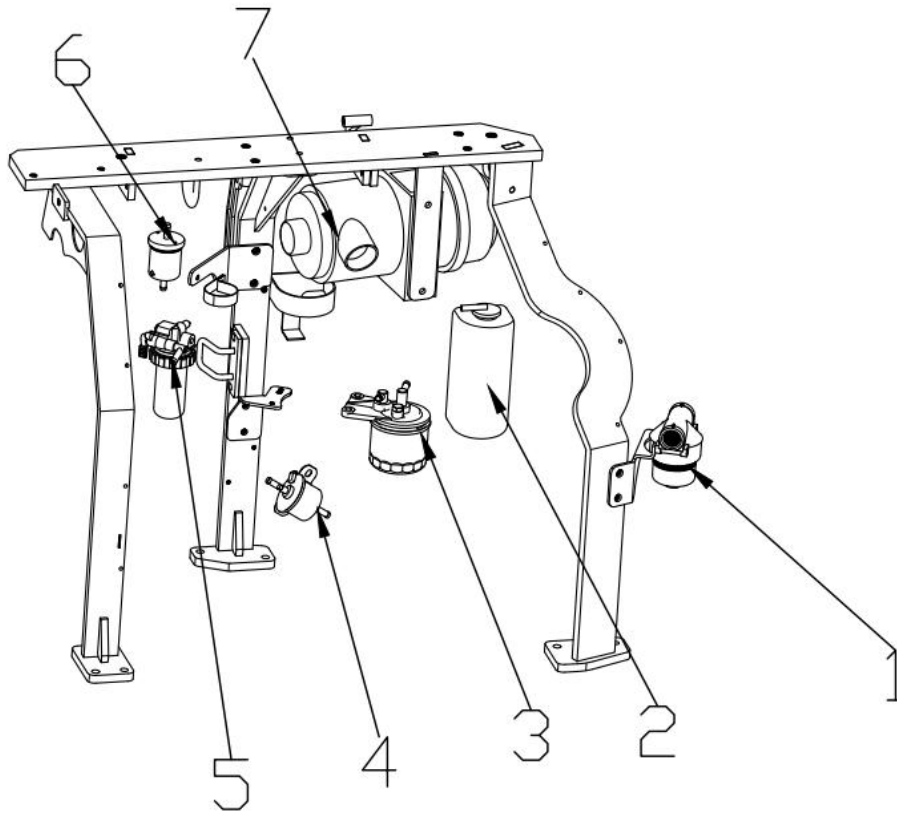


3.2 Seat bracket assembly



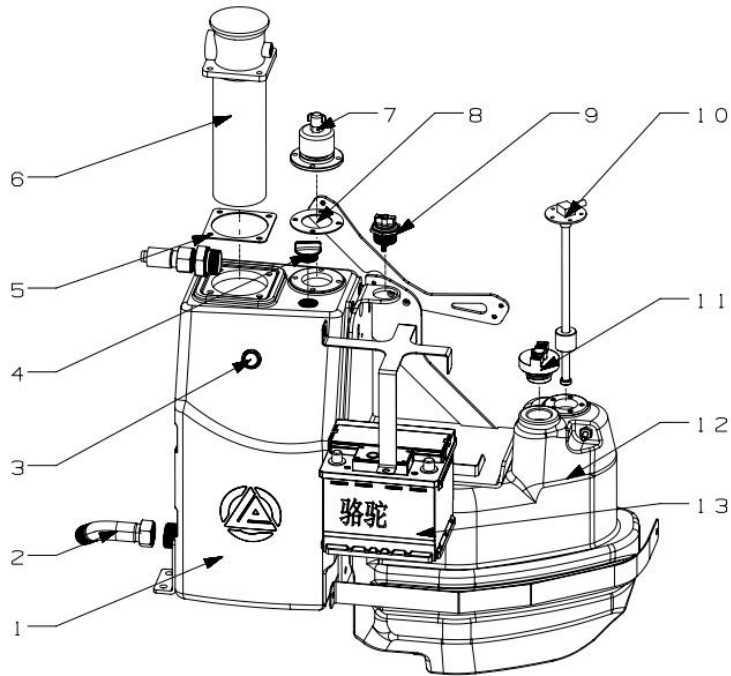
REF No.	Part No.	Part Name	Q/TY	备注 REMARKS
1	LP0112013202	R22-1 seat bracket spray-The black RAL7016	1	
2		Relay safe	1	
3		Right armrest box	1	
4	LP0115030011	Push soil valve	1	
5	LP0115030006	Pilot right hand handle	1	
6	LP0108040025	AK 12-5 seat (with slide)	1	
7	LP0115030005	Lead left hand handle	1	
8		Left armrest box	1	
9	LP0106040035	External 12V cigarette lighter	1	
10	LP0110010074	Air conditioning compressor	1	

3.3 Upper plate bracket assembly



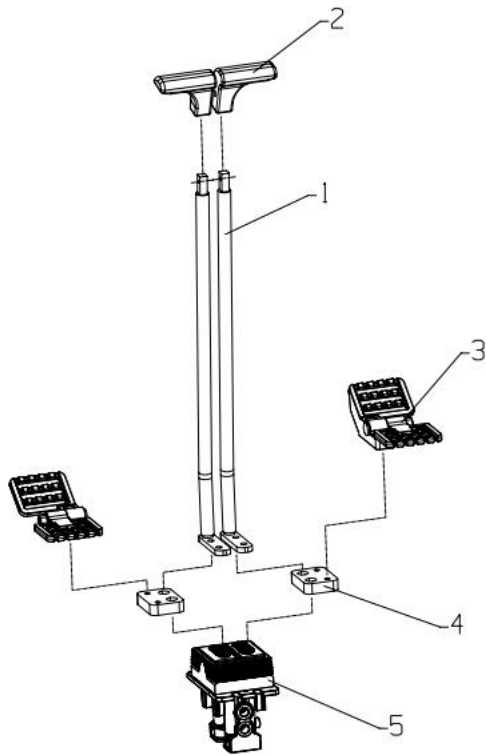
REF No.	Part No.	Part Name	Q/TY	REMARKS
1	LP0111050003	NDI355 Pilot filter	1	
2	LP0111080035	Deputy kettle	1	
3	LP0111020119	Diesel filter element	1	
4	LP0111020081	The Kubota electronic oil pump	1	
5	LP0111020089	decanter	1	
6	LP0111020082	Long protect field coarse filter	1	
7	LP0111010009	air cleaner element	1	

3.4 Fuel tank assembly

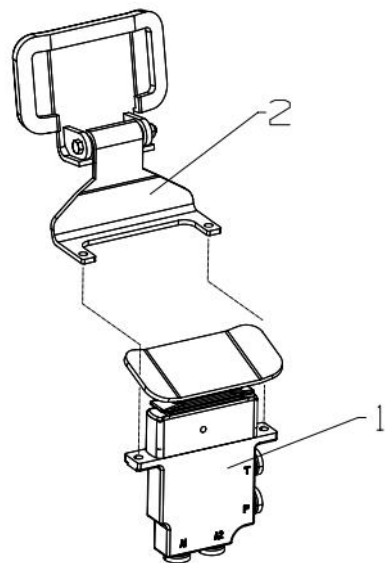


REF No.	Part No.	Part Name	Q/TY	REMARKS
1	LP0115040092	R22-1 plastic hydraulic oil tank procurement parts	1	
2	LP0115021423	Iron tube M36-B-1	1	
3	LP0115040114	Hydraulic oil window (M27X1.5)	1	
4	LP0111080419	390 Engine oil cap	1	
5	LP0111080228	30.30 Yanmar square asbestos mat	1	
6	LP0115030047	30.30 Yanmar. 30 Kubota oil return purchase procurement	1	
7	LP0115030035	NDI355 Hydraulic oil tank breathing valve	1	
8	LP0111080411	NDI 35 breathing valve asbestos mat procurement parts	1	
9	LP0106040064	Mini-power supply master switch	1	
10	LP0111040011	R22-1 Diesel oil level sensor procurement parts	1	
11	LP0115040113	R22-1 Diesel fuel tank cap	1	
12	LP0115040091	R22-1 plastic diesel tank	1	
13	LP0106010004	Camel 12V43A battery		

3.5 Foot valve assembly

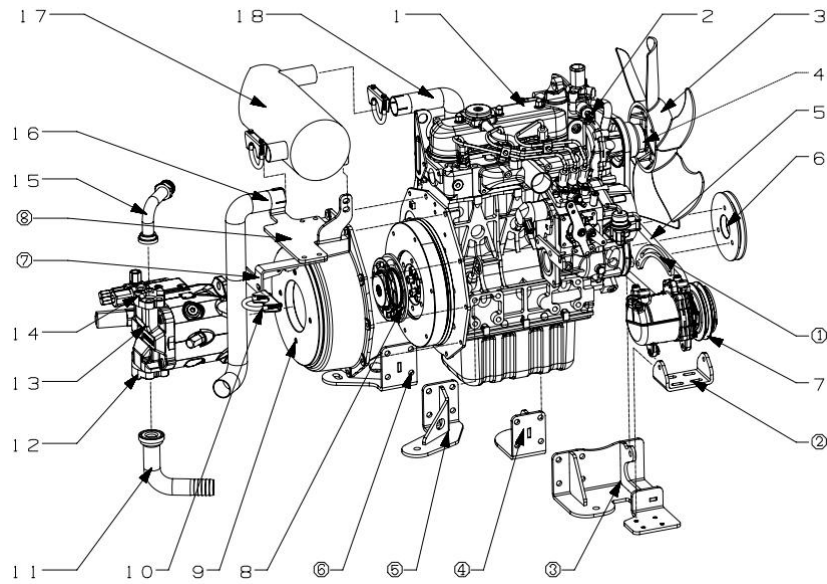


REF No.	Part No.	Part Name	Q/TY	REMARKS
1	LP0111080348	NDI355 Walking pole purchase parts	1	
2	LP0111080202	15 either both pilot. 18 The three-cylinder. 20 has a tail. 30.30	1	
3	LP0115030052	NDI355 Double-pedal valve foot pedal	1	
4	LP0115030053	NDI355 Double-pedal valve connection plate	2	
5	LP0115030059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



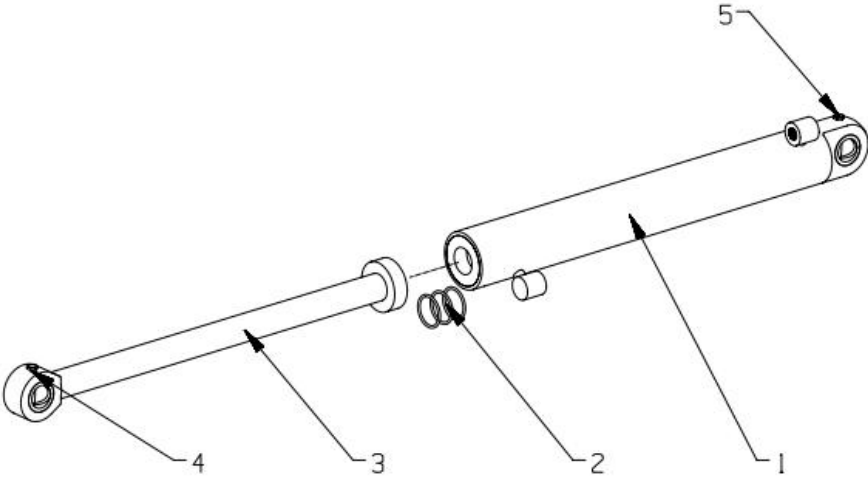
REF No.	Part No.	Part Name	Q/TY	REMARKS
1	LP0115030016	NDI355 Single joint foot valve procurement parts	1	
2	LP0115030066	NDI355 Single-coupling pedal valve cover plate	1	

3.6 power assembly



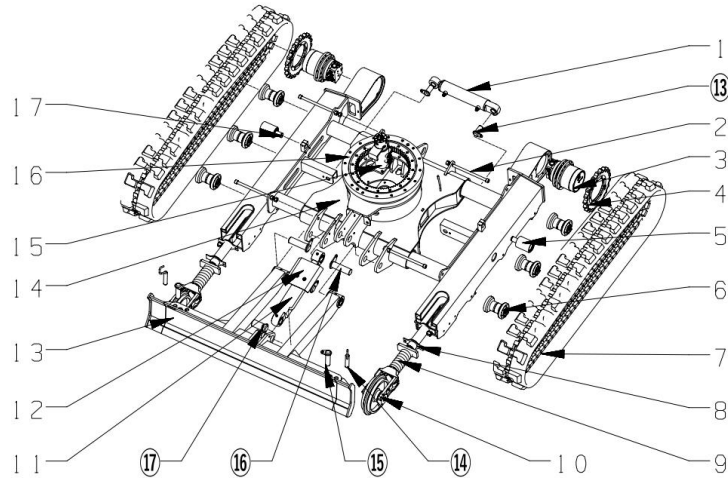
REF No.	Part No.	Part Name	Q/TY	REMARKS
1	LP0103020006	Kubota D1105 engine procurement parts	1	
2	LP0111020014	The EV80 single-leg water temperature sensor	1	
3	LP0111020209	Kubota D1105 fan blade (air suction 380)	1	
4	LP0107020058	Fan leaf pad block nylon	1	
5	LP0110010035	Air-conditioning compressor belt 13 * 810Li	1	
6	LP0107021072	30 Kubota field air conditioning belt turbine processing parts outsourcing	1	
7	LP0110010074	AC	1	
8	LP0102010079	R22-1 Pro Kubota D1105 coupling	1	
9	LP0102010078	R22-1 Pro Kubota D1105 Flywheel shell	1	
10	LP0111080071	15 Science silencer hoop-U hoop diameter 45	3	
11	LP0115021422	Iron tube, F50-B-1	1	
12	LP0115021425	F50 flange clip	2	
13	LP0101020009	R22-1 plunger pump purchase parts	1	
14	LP0115020861	F38 flange clip	2	
15	LP0115021424	Iron tube F38-M30-1	1	
16	LP0114010162	R22-1 Kubota D1105	1	
17	LP0114010161	Kubota silencer-3 for purchased parts	1	
18	LP0114010160	R22-1 Kubota D1105 transition tube	1	

3.7 Slant cylinder assembly



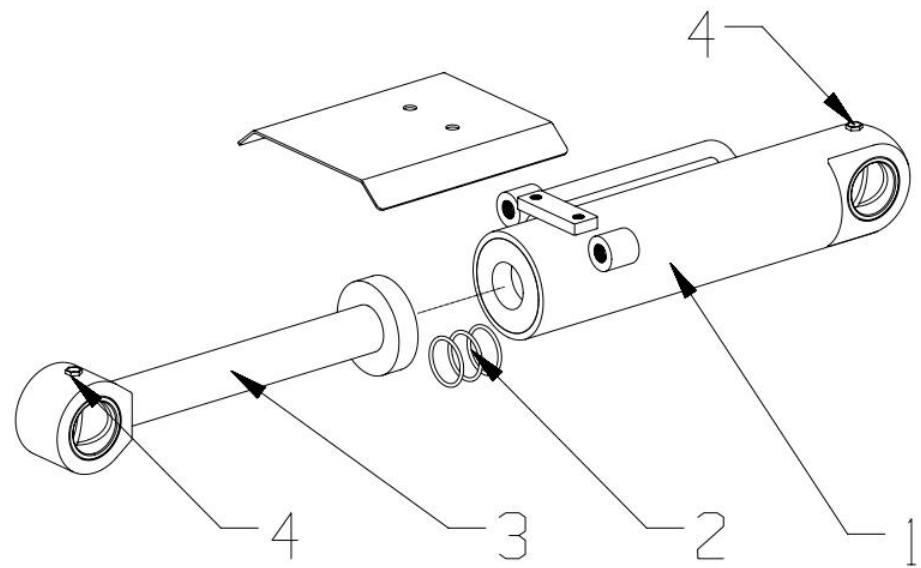
REF No.	Part No.	Part Name	Q/TY	REMARKS
	LP0115010148	R22-1 Swing oil cylinder	1	
1	LP0115010225	R22-1 Swing cylinder block	1	
2	LP0115010201	R22-1 Swing cylinder sealing ring	1	
3	LP0115010226	R22-1 Swing cylinder rod	1	
4	LP0116012493	Funnel-type butter nozzle M10X1	1	
5	LP0115020241	10*1/*10*1C	1	

4.1 Lower disc assembly



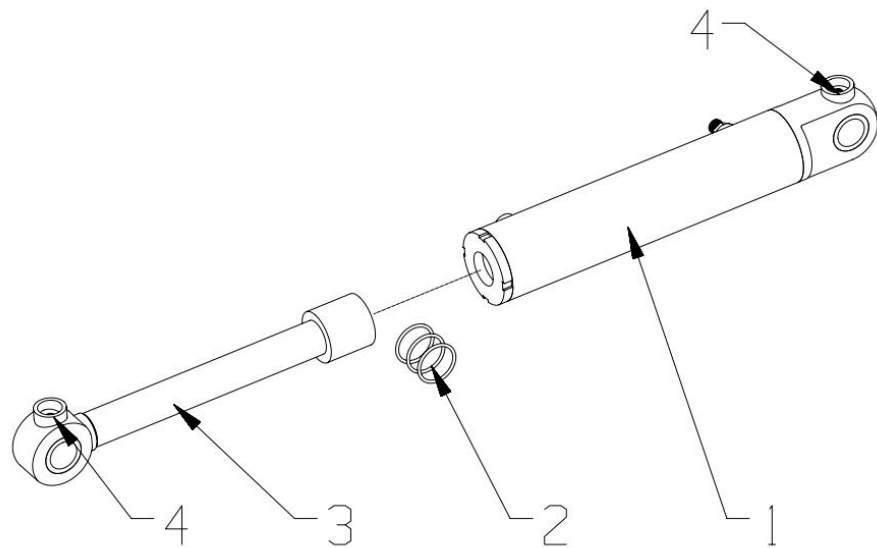
REF No.	Part No.	Part Name	Q/TY	REMARKS
1	LP0115010150	R22-1 telescopic oil cylinder	1	
2	LP0116012455	Inner hexagon M16 * 310	4	
3	LP0102020018	The R22-1 walking motor	1	
4	LP0102090015	The R22-1 drives the sprocket	2	
5	LP0102080001	NDI355 The sprocket	2	
6	LP0102060009	R22-1 double wheel	6	
7	LP0102110014	R22-1 rubber track	2	
8	LP0102070015	R22-1 tighten the cylinder	2	
9	LP0102070014	R22-1 tightening spring	2	
10	LP0102070013	The R22-1 guide wheel	2	
11	LP0115010149	R22-1 bulldozer shovel oil cylinder	1	
12	LP0112014261	R22-1 bulldozer oil cylinder guard plate	1	
13	LP0112014260	R22-1 bulldozing	1	
14	LP0112012700	The R22-1 retractable lower disc	1	
15	LP0102050008	R22-1 central rotary joint	1	
16	LP0102040006	R22-1 rotary support	1	
17	LP0111080345	NDI355 Carrier rollers card spring	2	
⑬	LP0107021583	Pin shaft TW- Φ 30x60	2	Expansion cylinder pin shaft
⑭	LP0107021584	Pin shaft GW- Φ 24x110	2	Pull pin shaft
⑮	LP0107021632	Pin shaft TW- Φ 30x105	2	Widen fixing shaft for bull shovel
⑯	LP0107021582	Pin shaft TW- Φ 40x135	2	Push earth shovel pin shaft
⑰	LP0107021581	Pin shaft TW- Φ 45x92	2	Push earth oil cylinder pin shaft

4.2 Push soil shovel cylinder



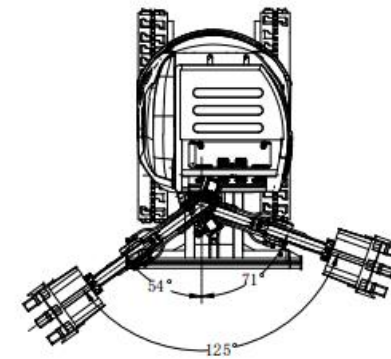
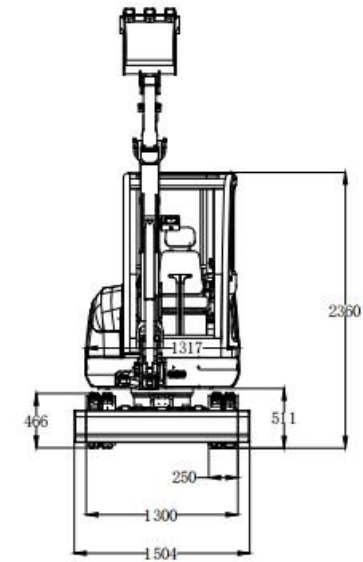
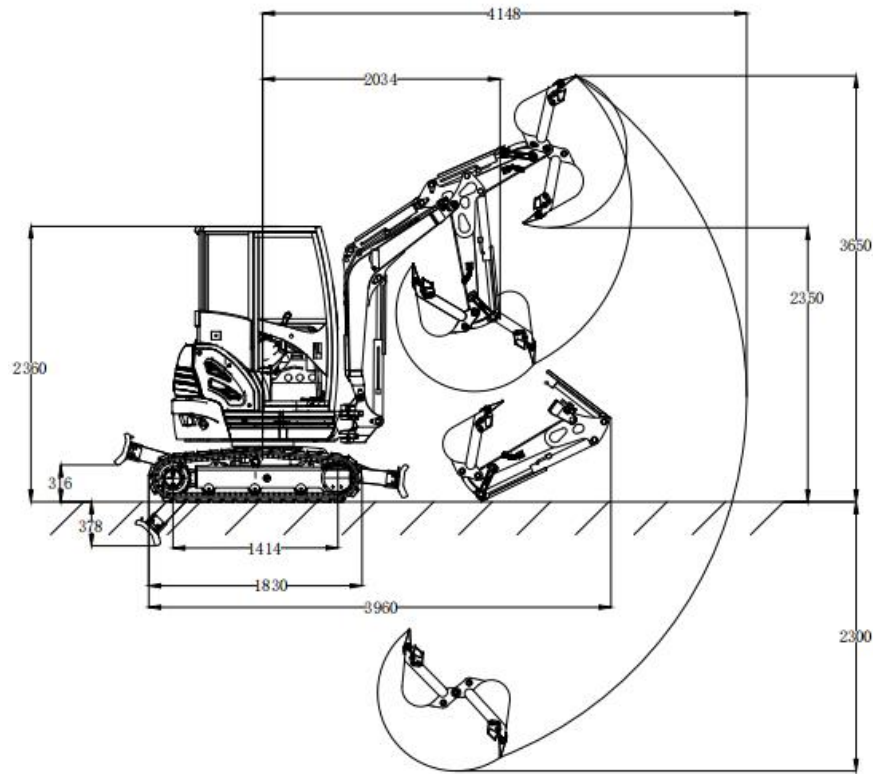
REF No.	Part No.	Part Name	Q/TY	REMARKS
	LP0115010149	R22-1 bulldozer shovel oil cylinder	1	
1	LP0115010227	R22-1 bulldozer shovel cylinder block	1	
2	LP0115010202	R22-1 bulldozer shovel oil cylinder sealing ring	1	
3	LP0115010228	R22-1 bulldozing cylinder cylinder rod	1	
4	LP0116012493	Funnel-type butter nozzle M10X1	2	

4.3 telescopic cylinder



REF No.	Part No.	Part Name	Q/TY	REMARKS
	LP0115010150	R22-1 telescopic oil cylinder procurement parts	1	
1	LP0115010229	R22-1 telescopic oil cylinder block	1	
2	LP0115010203	R22-1 telescopic cylinder sealing ring	1	
3	LP0115010230	R22-1 telescopic cylinder cylinder rod	1	
4	LP0116012493	Funnel-type butter nozzle M10X1	2	

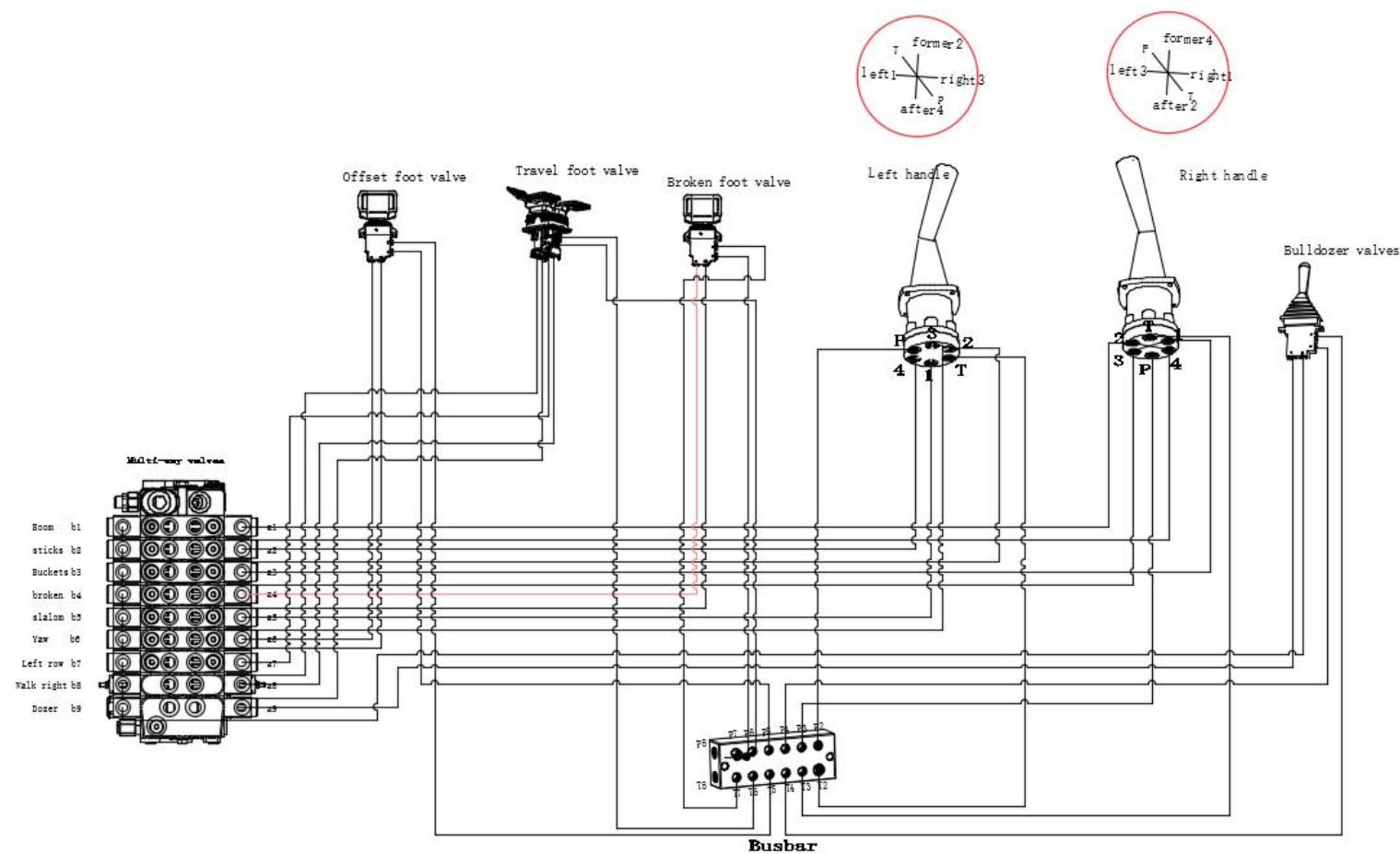
5.1 Excavator envelope diagram



unit: mm

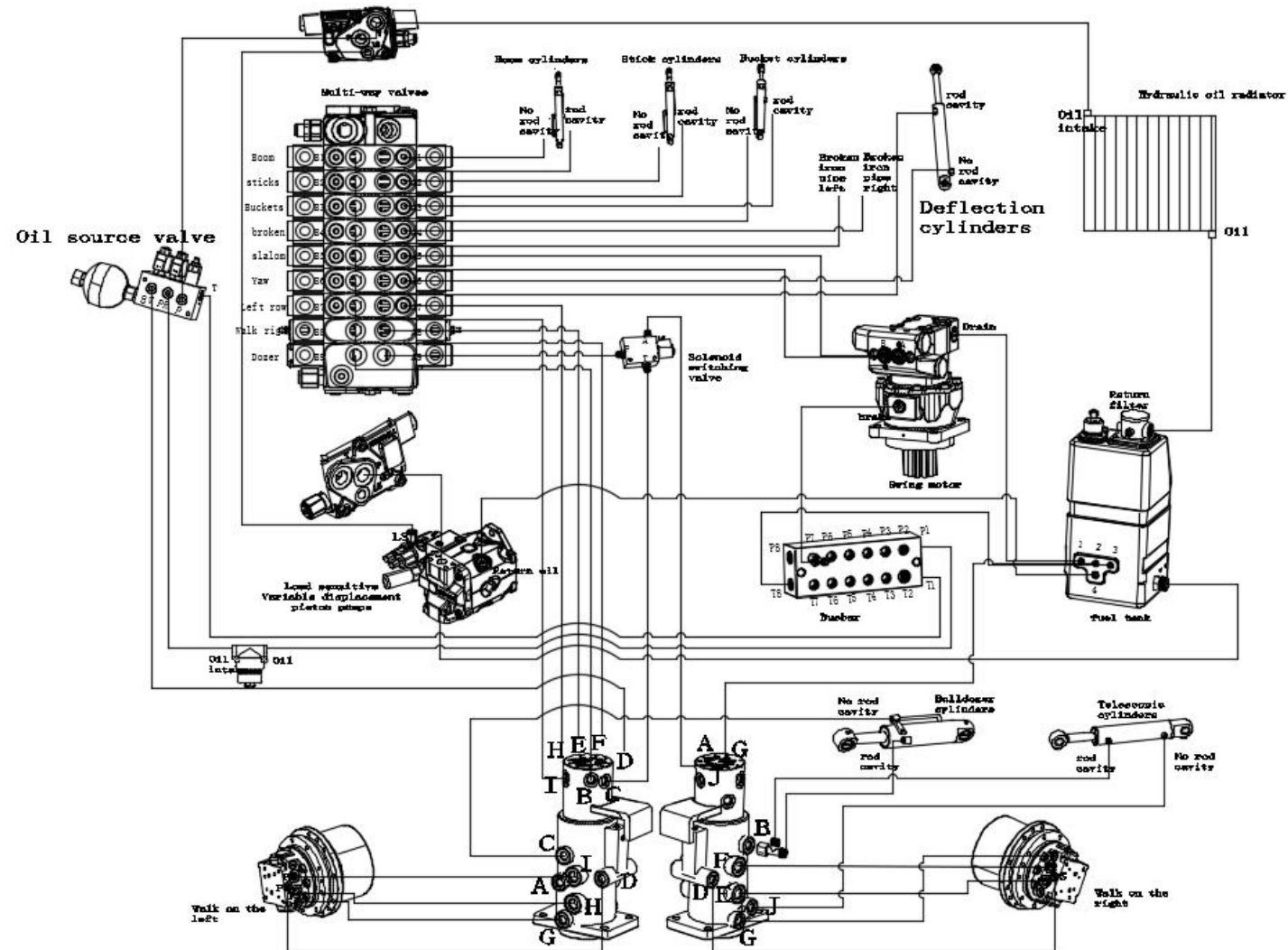
6.1Hydraulic Schematic diagram (pilot oil circuit)

pilot circuit



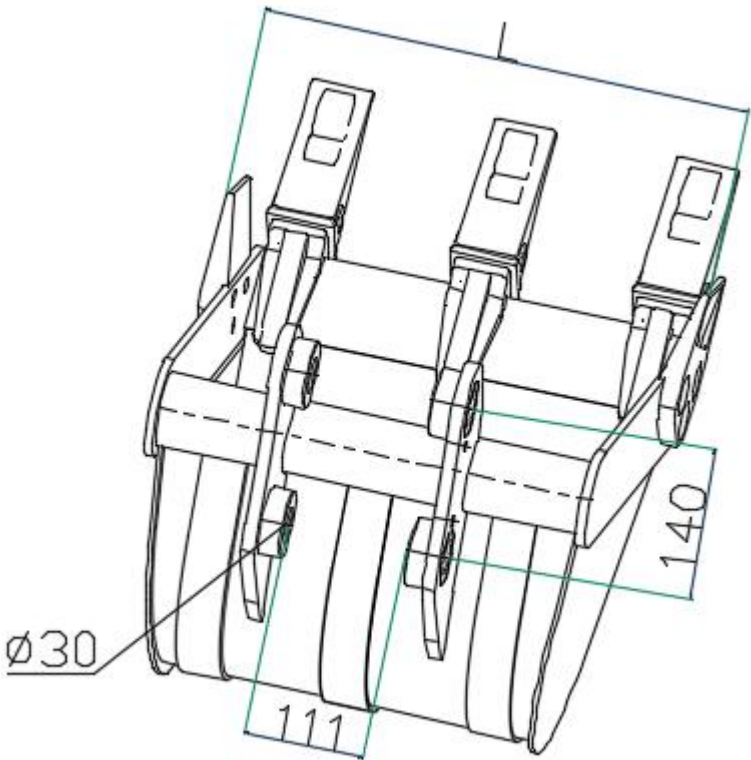
6.2 Hydraulic schematic diagram (main oil circuit)

main oil circuit



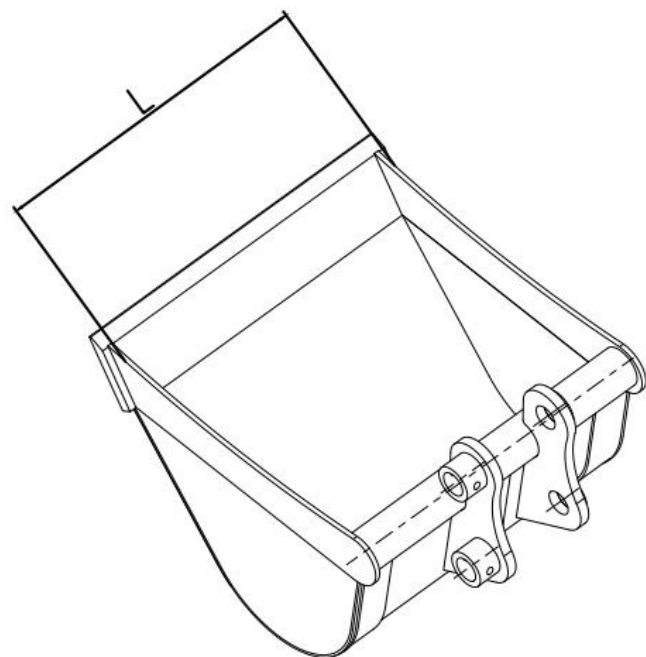
7. R330N accessories (installation size: shaft diameter 30, pitch 111, shaft spacing 140)

7.1 bucket



REF No.	Size.	Part No.	Part Name
1	L=200mm	LP0104011096	200 bucket
2	L=250mm	LP0104011182	250 bucket
3	L=400mm	LP0104011034	400 bucket
4	L=500mm	LP0104011291	500 bucket
5	L=600mm	LP0104011252	600 bucket
6	L=800mm	LP0104011228	800 bucket
7	L=1000mm	LP0104011309	1000 bucket

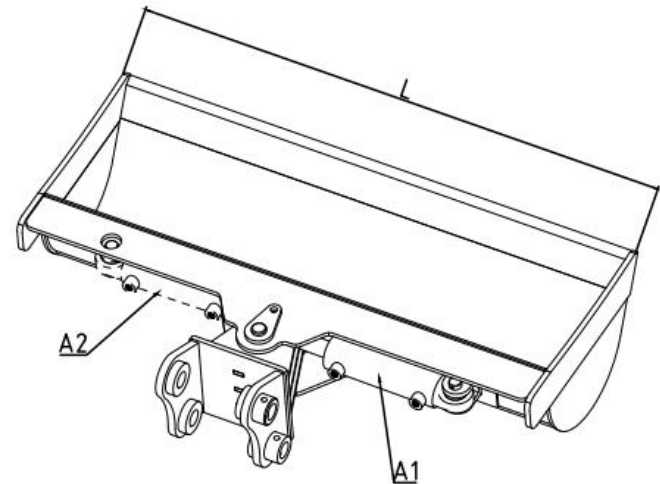
7.2 Mud bucket



See 7.1 bucket for installation dimensions

REF No.	Size.	Part No.	Part Name
1	L=300mm	LP0104011324	300 mud bucket (ramp)
2	L=400mm	LP0104011272	400 mud bucket (ramp)
3	L=600mm	LP0104011185	600 mud bucket (ramp)
4	L=800mm	LP0104011294	800 mud bucket (ramp)
5	L=900mm	LP0104011254	900 mud bucket (ramp)
6	L=1000mm	LP0104011074	1000 mud bucket (ramp)

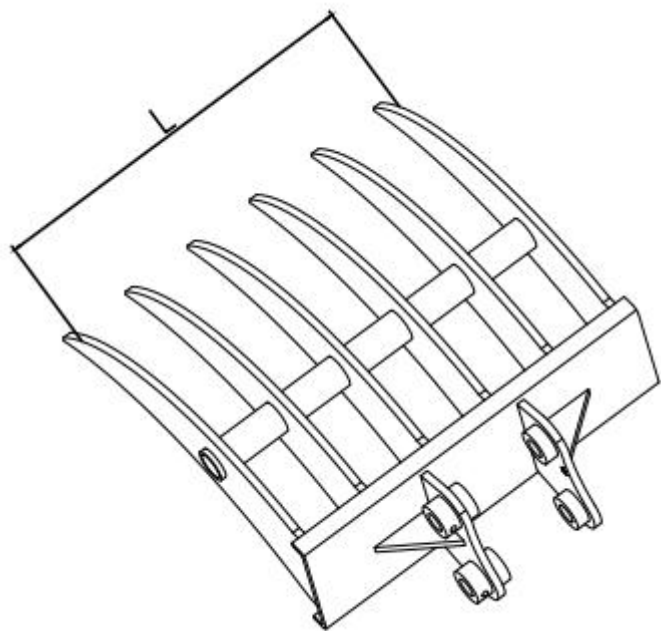
7.3 tipping bucket



See 7.1 bucket for installation dimensions

REF No.	Size.	Number of cylinders	Part No.	Part Name
1	L=800mm	1	LP0104011279	800 single cylinder tilt hopper
2	L=800mm	2	LP0104011280	800 double cylinder tilt per
3	L=800mm	1	LP0104011281	800 single cylinder tilt (ramp)
4	L=1000mm	1	LP0104011282	1000 single cylinder tilt (ramp)
5	L=1000mm	2	LP0104011283	1000 double cylinder tilt per

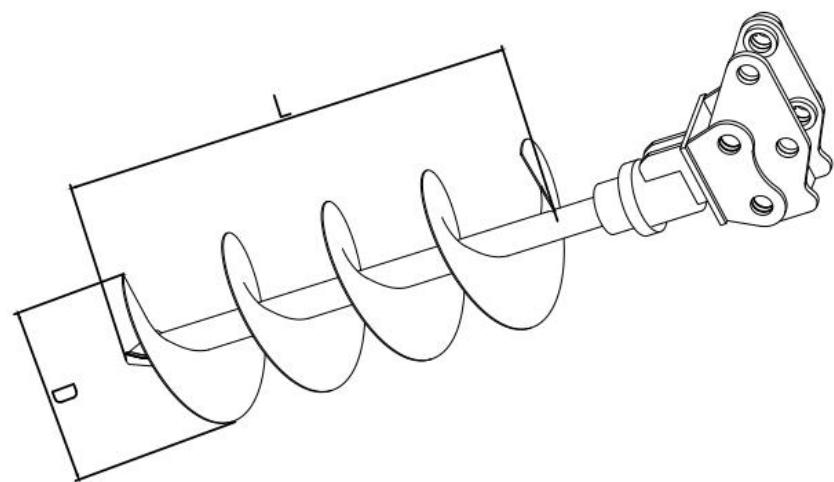
7.4 rake



See 7.1 bucket for installation dimensions

REF No.	Size.	Part No.	Part Name
1	L=400mm	LP0104011181	400 Rake
2	L=600mm	LP0104011289	600 Rake
3	L=800mm	LP0104011292	800 Rake

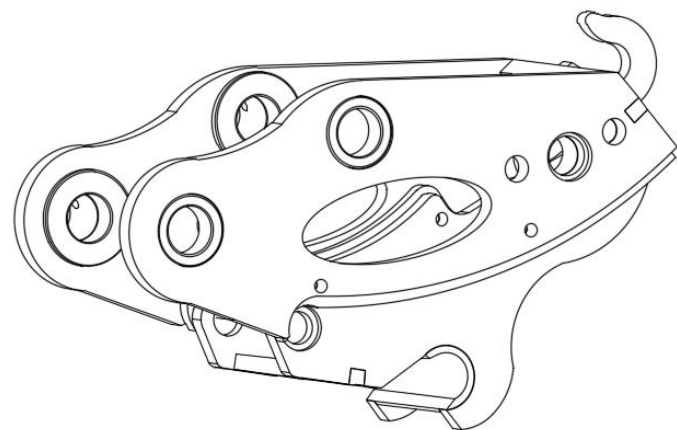
7.5 Spinning drill



See 7.1 bucket for installation dimensions

REF No.	Length.	Diameter	Part No.	Part Name
1	L=800mm	D=Ø200mm	LP0104011183	80cm long diameter 20cm rotary digging drill
2	L=800mm	D=Ø250mm	LP0104011076	80cm long diameter 25cm rotary digging drill
3	L=800mm	D=Ø300mm	LP0104011277	80cm long diameter 30cm rotary digging drill
4	L=1000mm	D=Ø300mm	LP0104011233	100cm long diameter 30cm rotary digging drill
5	L=1200mm	D=Ø250mm	LP0104011278	120cm long diameter 25cm rotary digging drill

7.6 Quick change

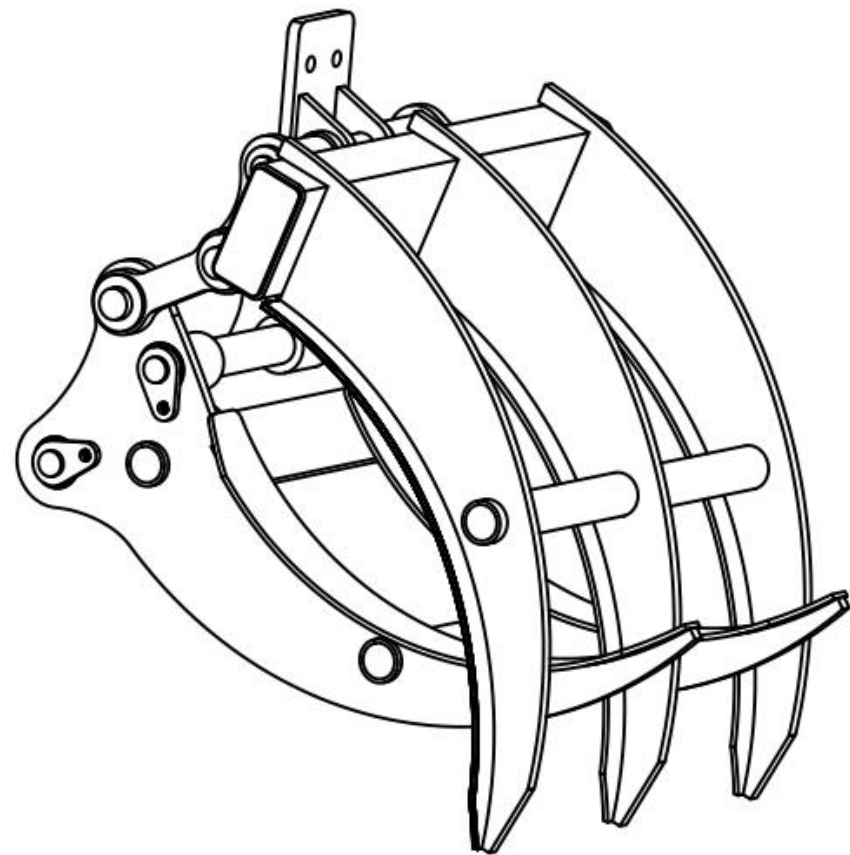


Hydraulic fast change

REF No.	Part No.	Part Name
1	LP0104011402	R22-2 Hydraulic quick change
2	LP0104011180	R22-2 Mechanical quick change
3	LP0104011323	R22-2 double lock tilt hydraulic quick change

See 7.1 bucket for installation dimensions

7.7 log grapple



REF No.	Part No.	Part Name
1	LP0104011221	R22-2 wood cutter
2	LP0104011226	The R22-2 rotary wood grip

See 7.1 bucket for installation dimensions