



R18-4 Pro

HYDRAULIC EXCAVATOR

PARTS BOOKS



山东立派机械集团有限公司

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[2024 SECOND EDITION]

PARTS BOOK



R18-4 Pro

HYDRAULIC

EXCAVATOR



[2024第(002)

号

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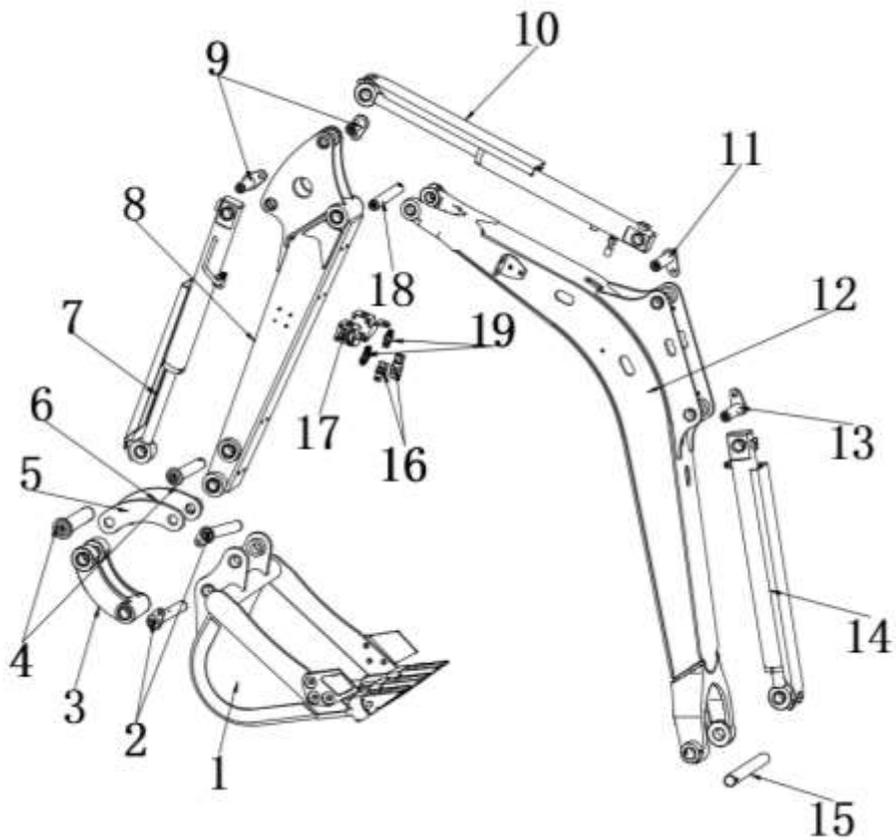
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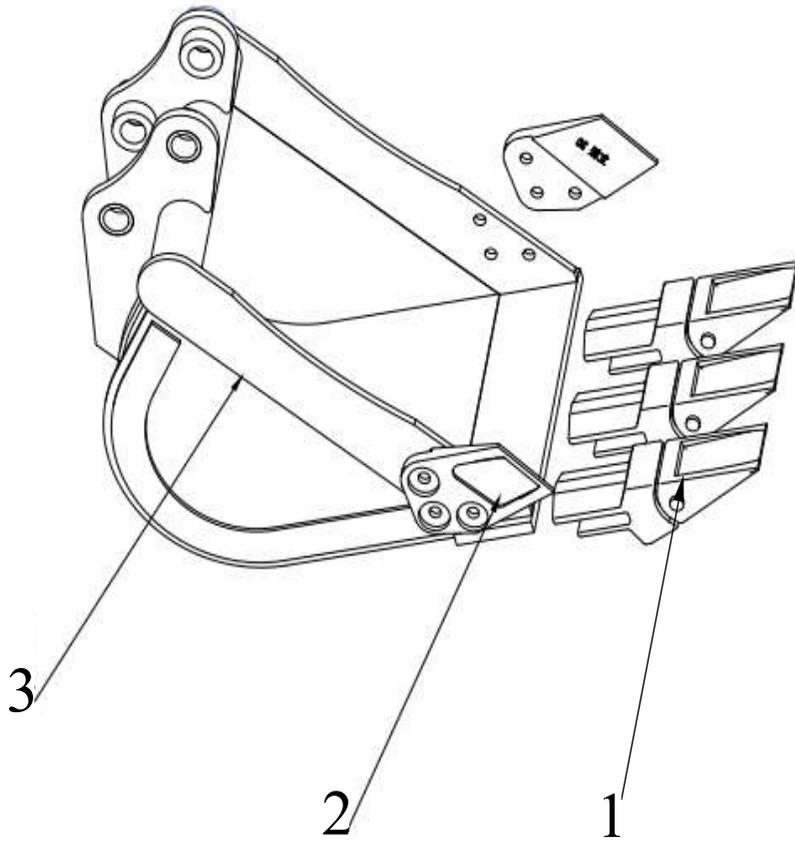
| REF NO. | Part NO. | Part Name | Q/TY | Remarks |
|---------|--------------|---|------|---------|
| 1 | LP0104010917 | bucket | 1 | |
| 2 | LP0107021343 | Bucket linkage rod for fixed shaft | 2 | |
| 3 | LP0112013160 | Casting connecting rod | 1 | |
| 4 | LP0107021344 | Bucper cylinder/rocker shaft | 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 | |

1.1 Working device assembly



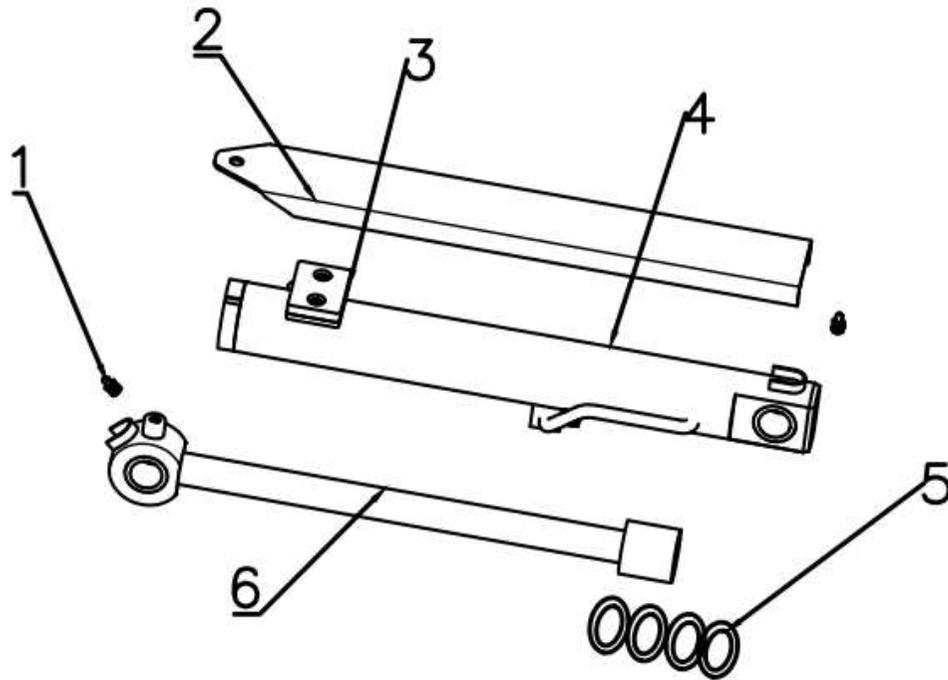
| | | | | |
|----|--------------|---|---|--|
| 18 | LP0107021337 | The boom front fork has fixed the shaft | 1 | |
| 19 | LP0115030077 | M14 quick connector | 2 | |

1.2 Bucket assembly



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

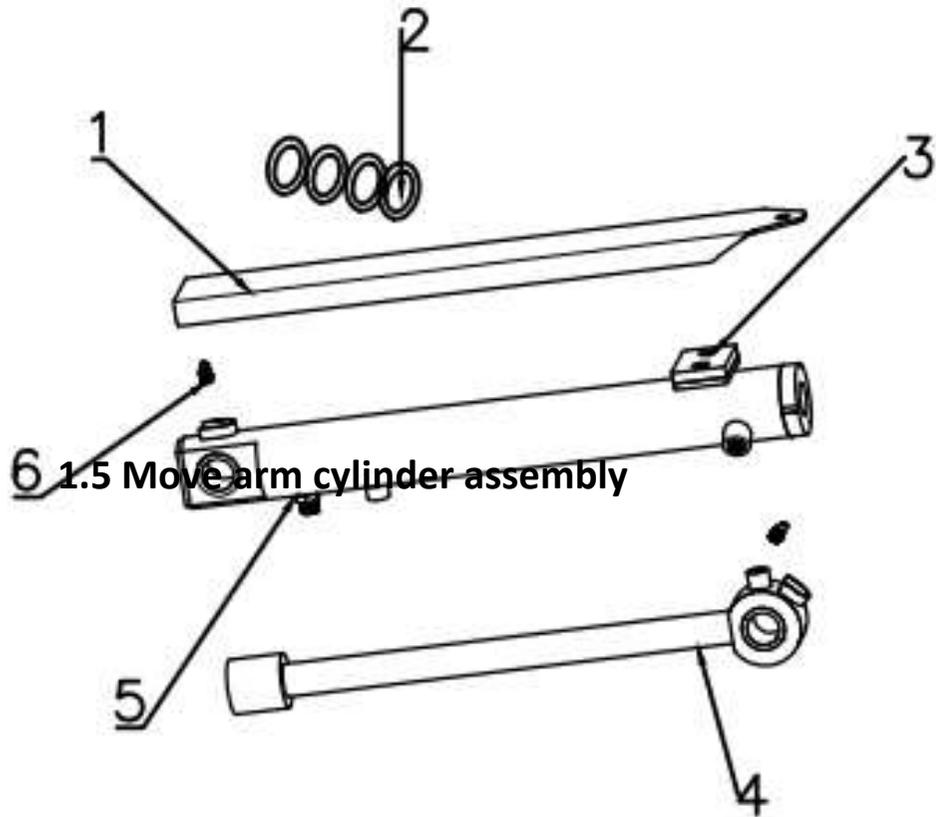
1.3 Bucket cylinder assembly



| 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 | |

| REF No. | Part No. | Part Name | Quantity | Remarks |
|---------|--------------|--------------------------|----------|---------|
| 1 | LP0112010555 | Oil cylinder guard plate | 1 | |
| 2 | LP0116030491 | gasket ring | 4 | |

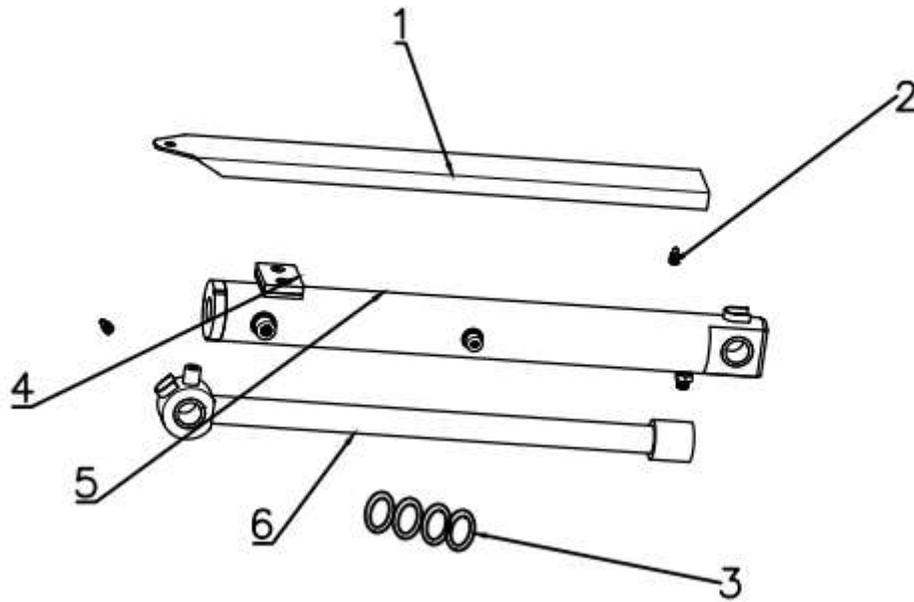
1.4 Dock cylinder assembly



| | | | | |
|---|--------------|------------------------------|---|--|
| 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 | Rema |
|---------|--------------|-----------------------------|----------|------|
| 1 | LP0112010116 | Oil cylinder guard plate | 1 | |
| 2 | LP0116010092 | grease fitting | 2 | |

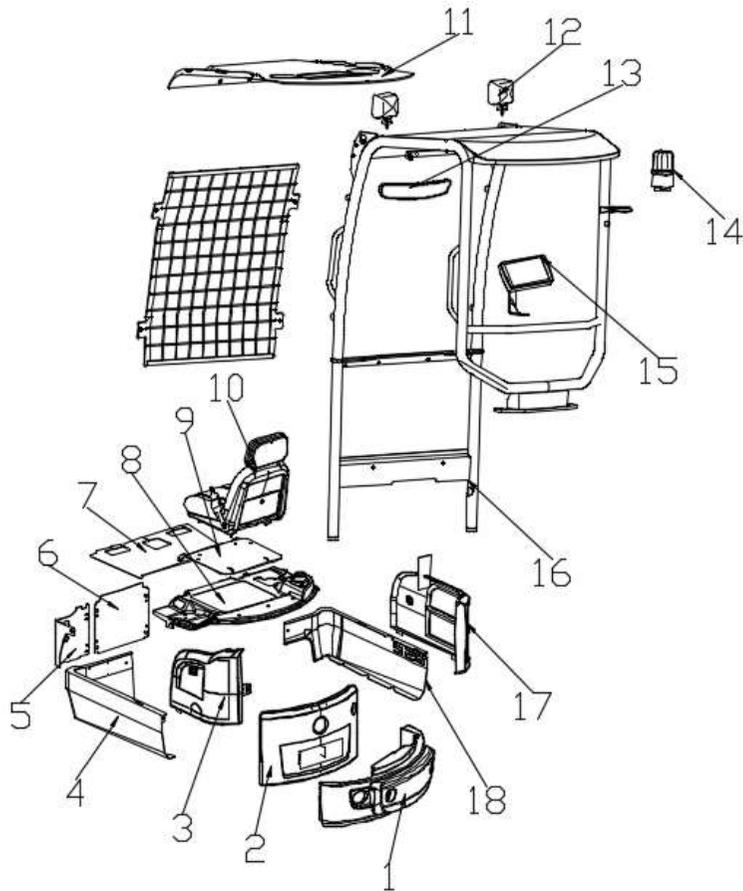


| | | | | |
|---|--------------|---------------------------|---|--|
| 3 | LP0116030490 | gasket ring | 4 | |
| 4 | LP011109015 | Nylon block | 1 | |
| 5 | LP0115010119 | Oil cylinder block | 1 | |
| 6 | LP0115010120 | Oil cylinder cylinder rod | 1 | |

| | Part No. | Part Name | Quantity | Remarks |
|--|----------|-----------|----------|---------|
| | | | | |

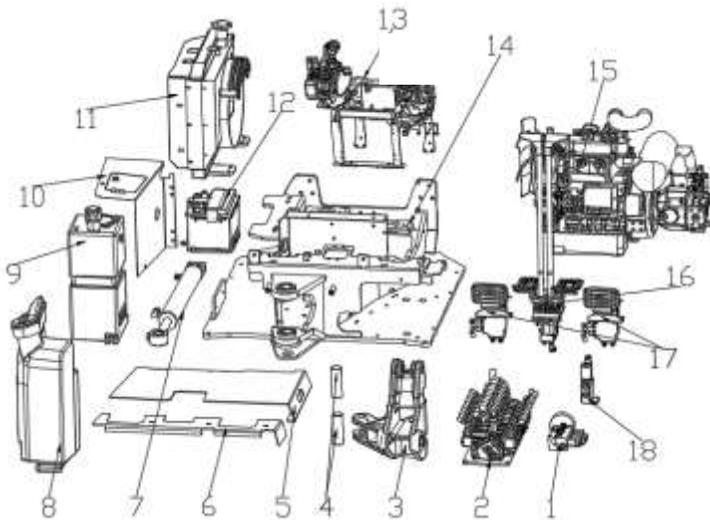
| 序号 REF No. | | | | |
|------------------|--------------|----------------------------------|---|--|
| 1 | LP0112010310 | bob-weight | 1 | |
| 2 | LP0112011195 | Rear cover | 1 | |
| 3 | LP0112011743 | Left shield | 1 | |
| 4 | LP0112011809 | Lower left shield | 1 | |
| 5 | LP0112010126 | The left front 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 | | |

2.1 Upper disc appearance assembly



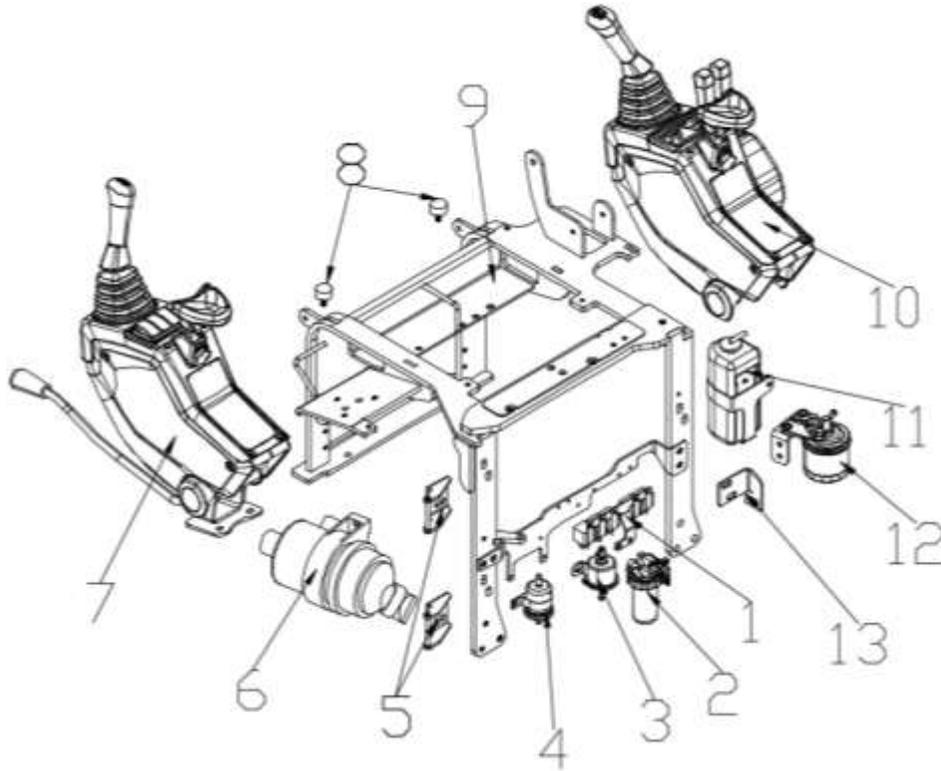
| | | | | |
|----|--------------|-----------------------------------|--|--|
| 16 | LP0108040025 | The new can be demolished ceiling | | |
| 17 | LP0112011710 | Right shield | | |
| 18 | LP0112011711 | Lower right shield | | |

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 |

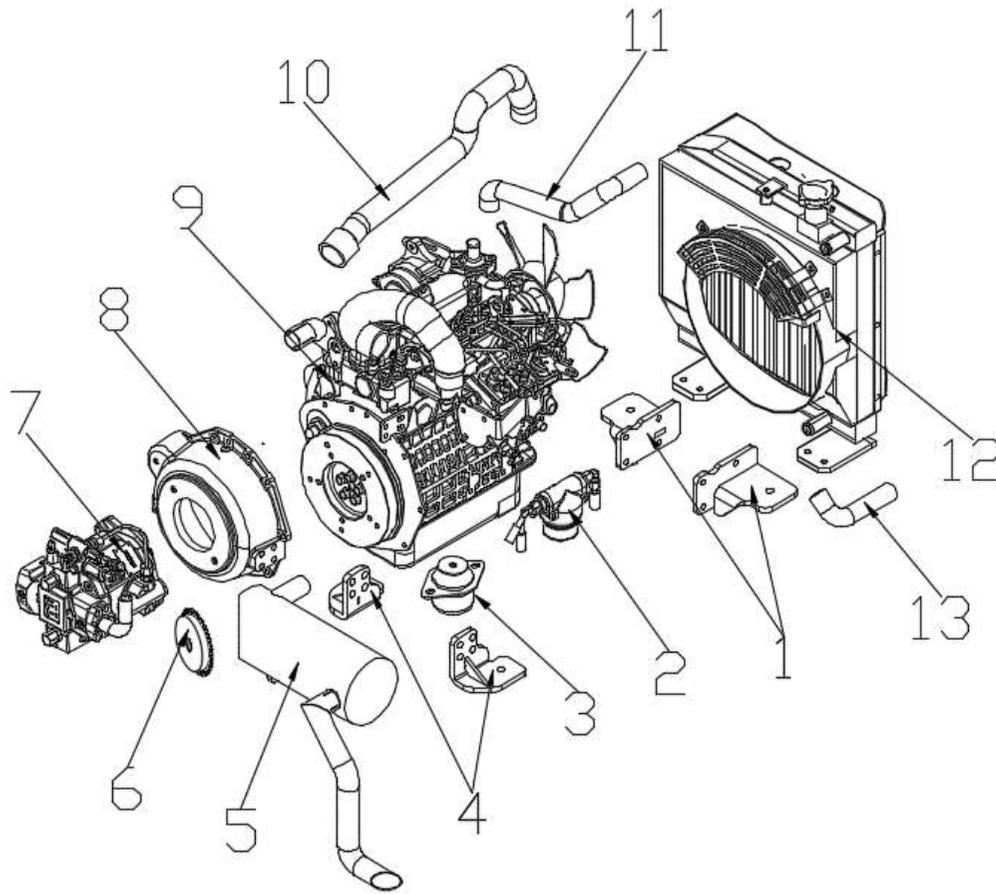
3.2 Seat bracket assembly



| 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 | |

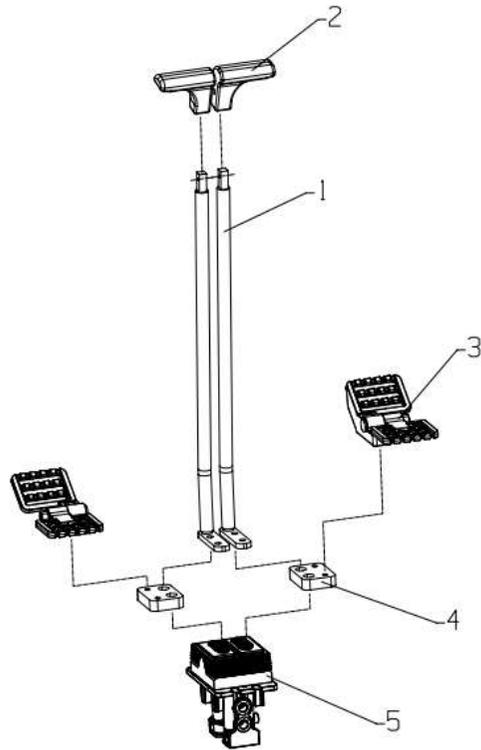
| REF No. | Part No. | Part Name | Quantity | Remark |
|---------|----------|-----------|----------|--------|
| | | | | |

3.3 power assembly

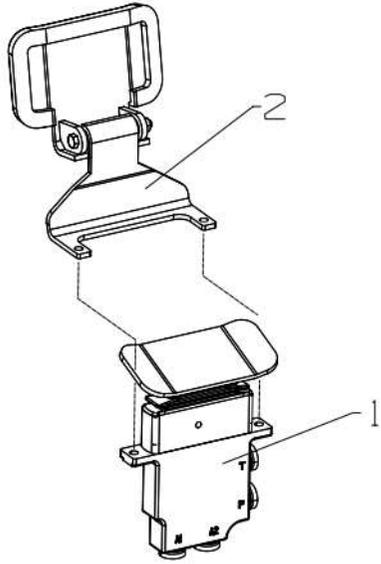


| | | | | |
|----|--------------|---------------------------------------|---|--|
| 1 | | Engine mounting plate fan side | 2 | |
| 2 | LP0115030049 | Pilot filter | 1 | |
| 3 | LP0111020069 | Engine shock absorption block | 1 | |
| 4 | | Engine mounting plate pump side | 2 | |
| 5 | LP0114010161 | muffle | 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

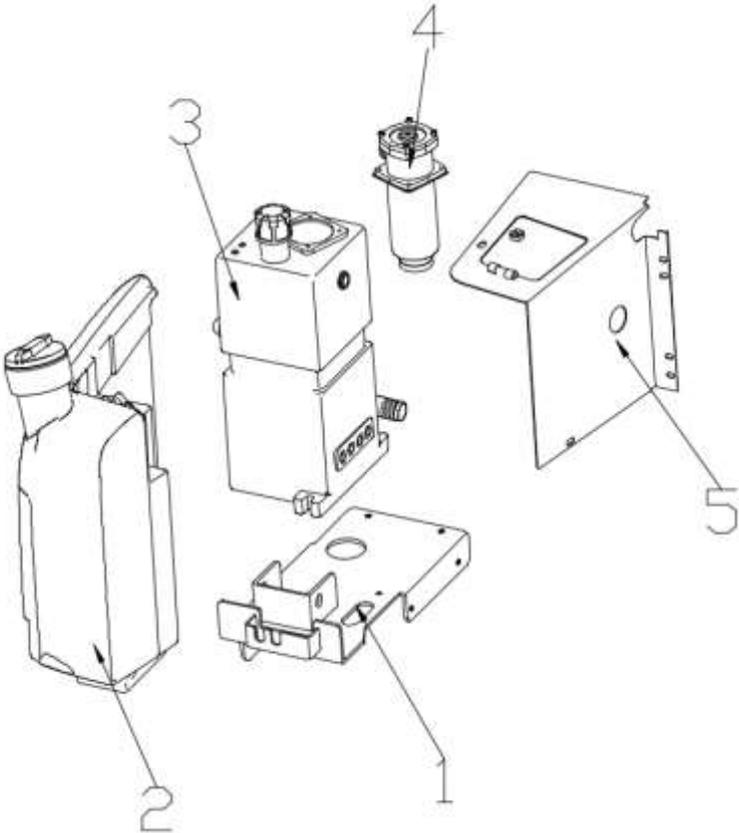


| REF No. | Part No. | Part Name | Q/TY | REMARKS |
|---------|------------------|--|------|---------|
| 1 | LP01110803 48 | NDI355 Walking pole purchase parts | 1 | |
| 2 | LP01110802 02 | 5 pilots on both sides. 18 three-cylinder. 20 tail. 30.30 Yanmar operating lever handle cover purchase parts | 1 | |
| 3 | LP01150300 52 | NDI355 Double-pedal valve foot pedal | 2 | |
| 4 | LP01150300 53 | NDI355 Double-pedal valve connection plate | 2 | |
| 5 | LP01150300 59 | NDI355 double foot valve body purchase parts | 1 | |



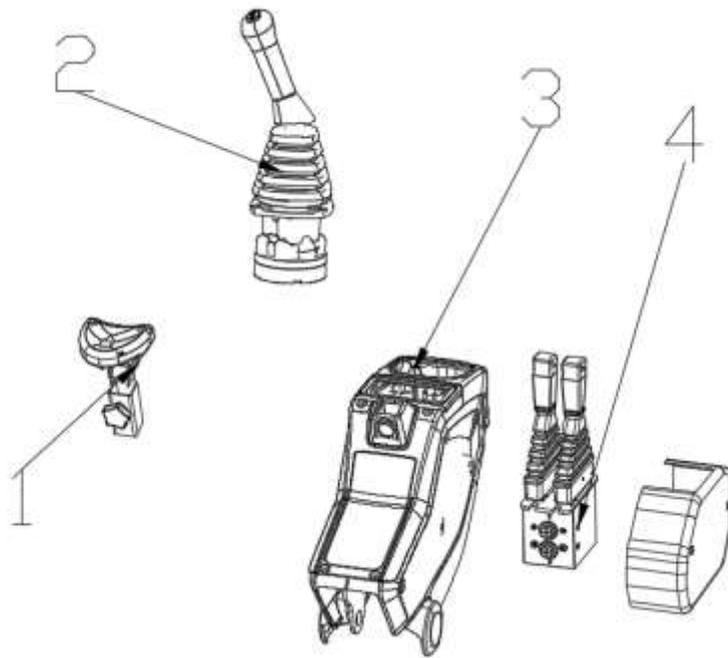
| REF No. | Part No. | Part Name | Q/TY | REMARKS |
|---------|------------------|---|------|---------|
| 1 | LP01150300 16 | NDI355 Single joint foot valve procurement parts | 2 | |
| 2 | LP01150300 66 | NDI355 Single-coupling pedal valve cover plate | 2 | |

3.5 Fuel tank assembly



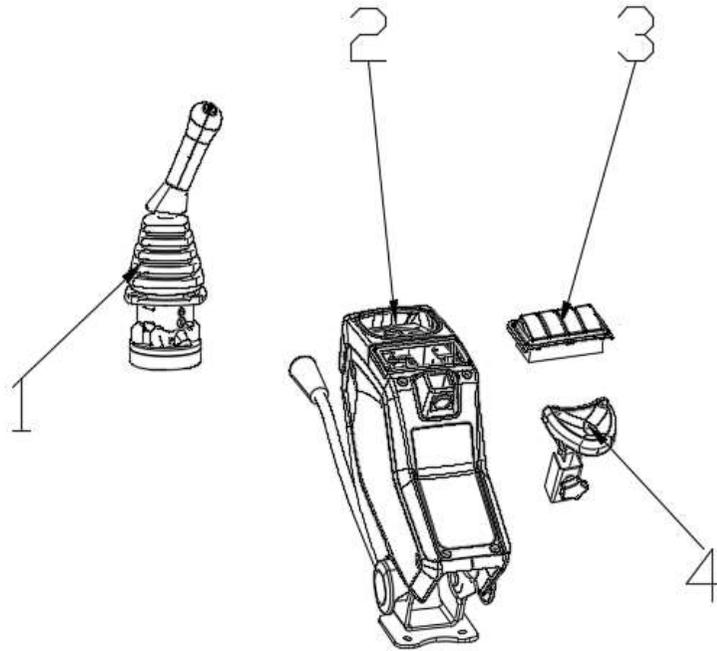
| REF No. | Part No. | Part Name | Quantity | Rem |
|---------|------------------|---------------------------------|----------|-----|
| 1 | | Fuel tank fixing board | 1 | |
| 2 | LP011504002 3 | Diesel tank | 1 | |
| 3 | LP011504011 1 | hydraulic the oil tank | 1 | |
| 4 | LP011602001 1 | Return the oil filter element | 1 | |
| 5 | LP011201014 8 | Fuel tank side protection plate | 1 | |

3.6 Right armrest box assembly



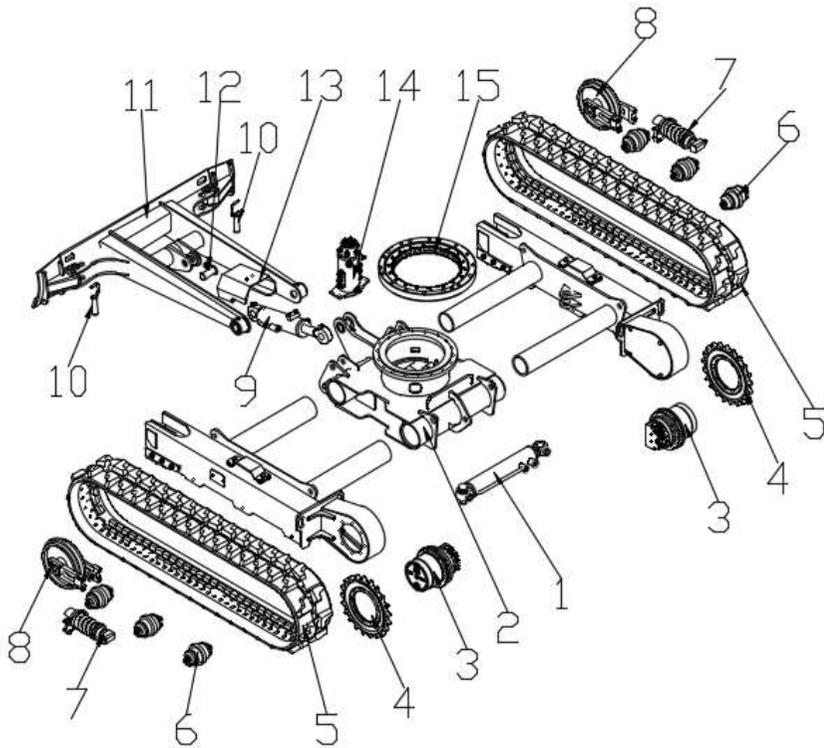
| REF No. | Part No. | Part Name | Quantity | Rem |
|---------|--------------|--------------------------|----------|-----|
| 1 | LP0116030472 | Trumpet armrest drag | 1 | |
| 2 | LP0115030006 | Pilot right- hand handle | 1 | |
| 3 | LP0111030066 | Right armrest box | 1 | |
| 4 | LP0115030072 | Double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

3.7、 Left armrest box assembly



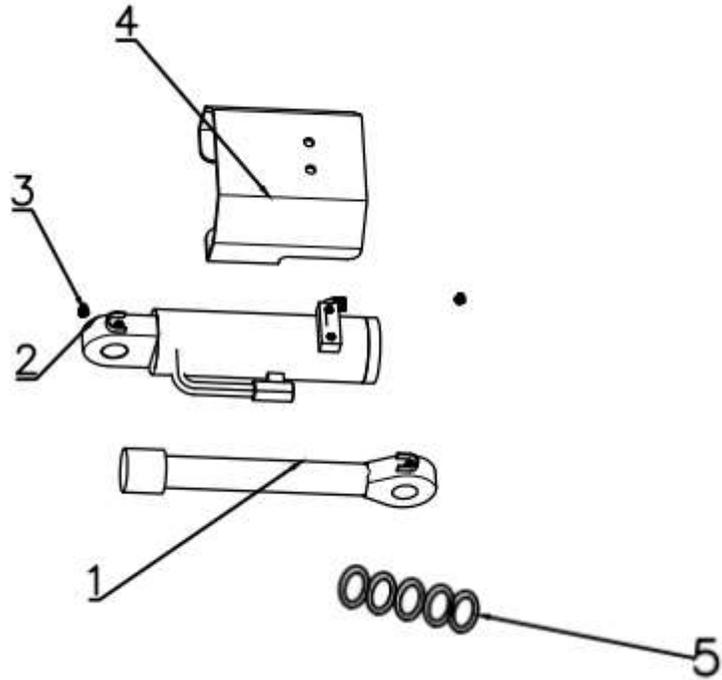
| REF No. | Part No. | Part Name | Quantity | R |
|---------|--------------|-----------------------|----------|---|
| 1 | LP0115030005 | Lead left-hand handle | 1 | |
| 2 | LP0111030065 | Left armrest box | 1 | |
| 2 | | Turn plate switch | 1 | |
| 3 | LP0116030472 | Trumpet armrest drag | 1 | |

4.1 Retracement lower disc assembly



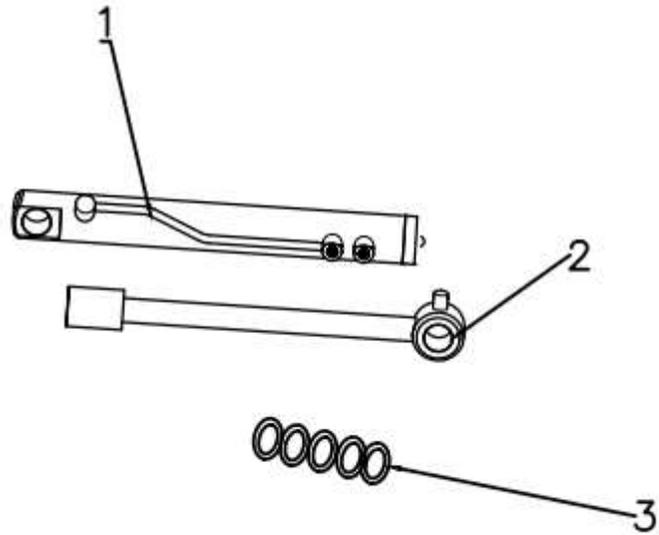
| REF No. | Part No. | Part Name | Q/TY | Rema |
|---------|--------------|----------------------------------|------|------|
| 1 | LP0115010032 | telescopic cylinder | 1 | |
| 2 | LP0112014081 | The lower plate spray plastic | 1 | |
| 3 | LP0102090006 | driving wheel | 4 | |
| 4 | LP0102020007 | Walking 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



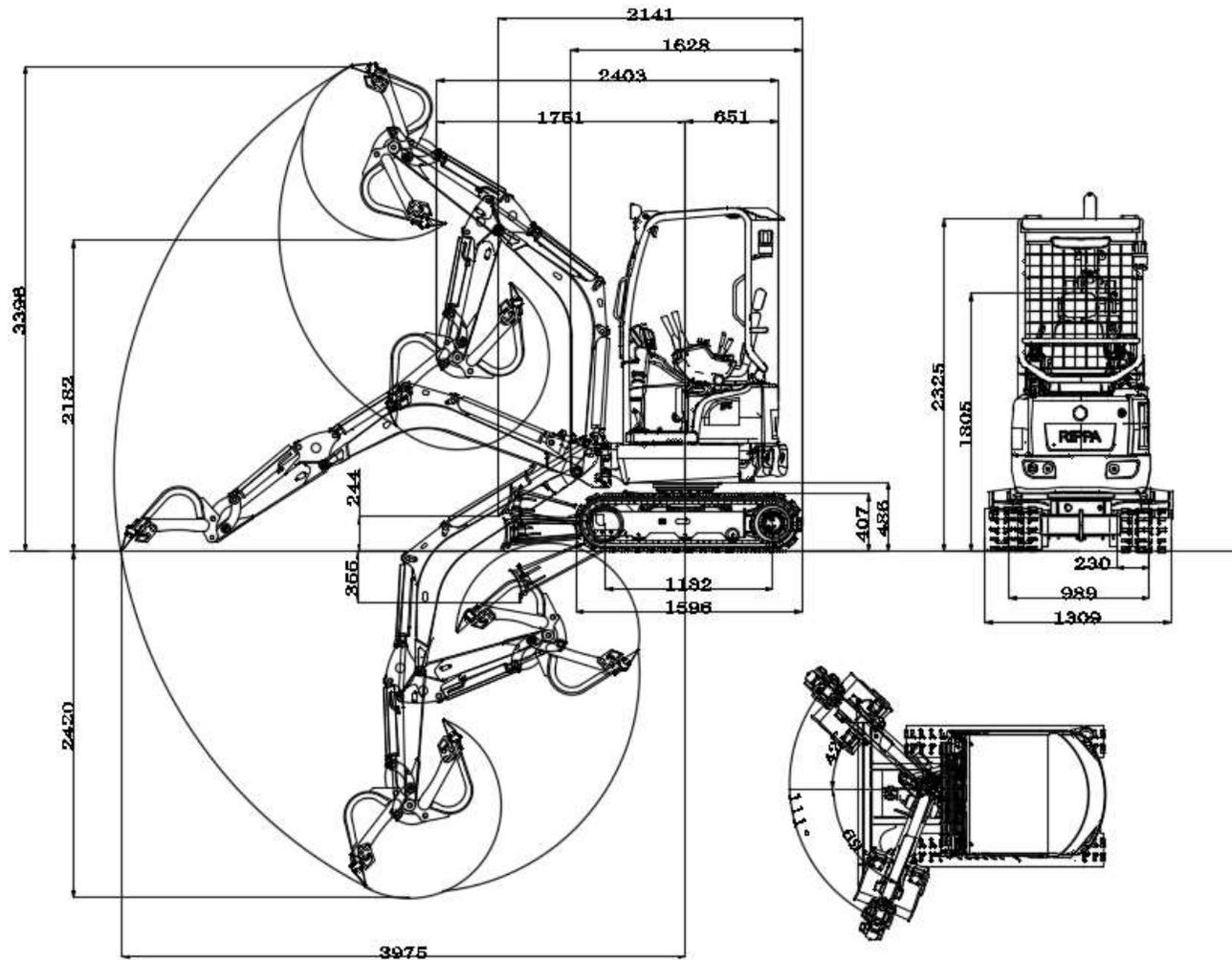
| REF No. | Part No. | Part Name | Quantity | Remarks |
|---------|--------------|---------------------------|----------|---------|
| 1 | LP0116010092 | grease fitting | 2 | |
| 2 | LP0115010129 | Oil cylinder block | 1 | |
| 3 | LP0115010130 | Oil cylinder cylinder rod | 1 | |
| 4 | LP0116030494 | Piston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

4.3、 Telescopic cylinder



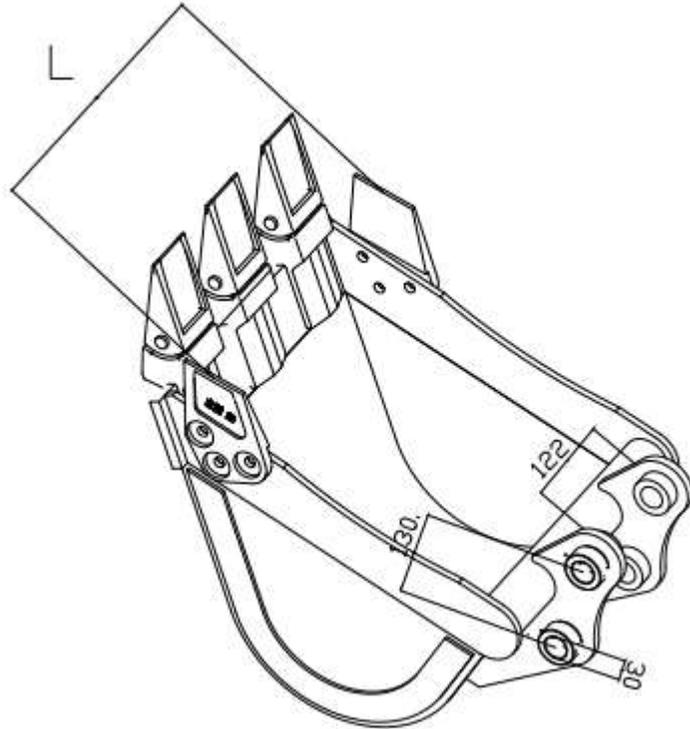
| REF No. | Part No. | Part Name | Quantity | Remarks |
|---------|--------------|---------------------------|----------|---------|
| 1 | LP0115010125 | Oil cylinder block | 1 | |
| 2 | LP0115010126 | Oil cylinder cylinder rod | 1 | |
| 3 | LP0116030492 | Piston ring group | 1 | |

5.R18-3 envelope diagram



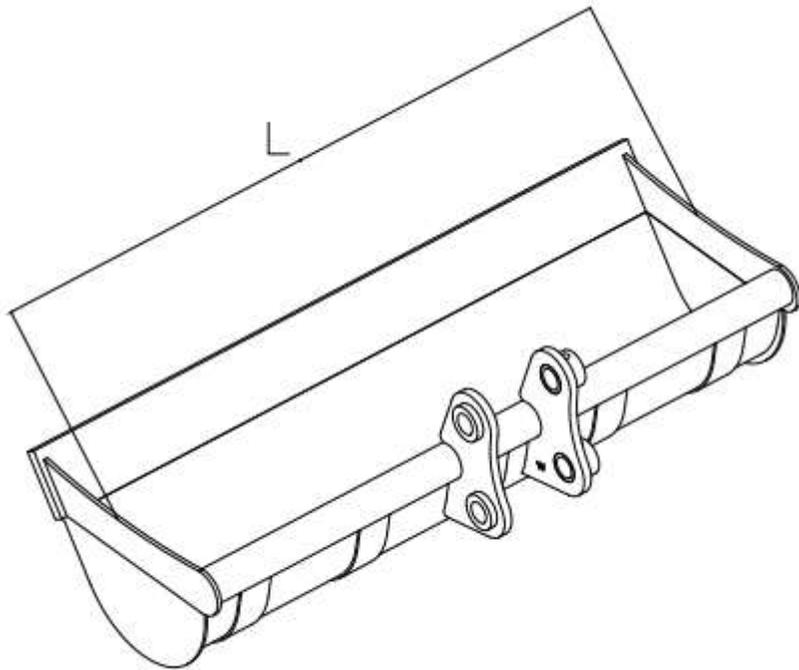
unit : mm

6. 1 Bucket (auxiliary equipment)



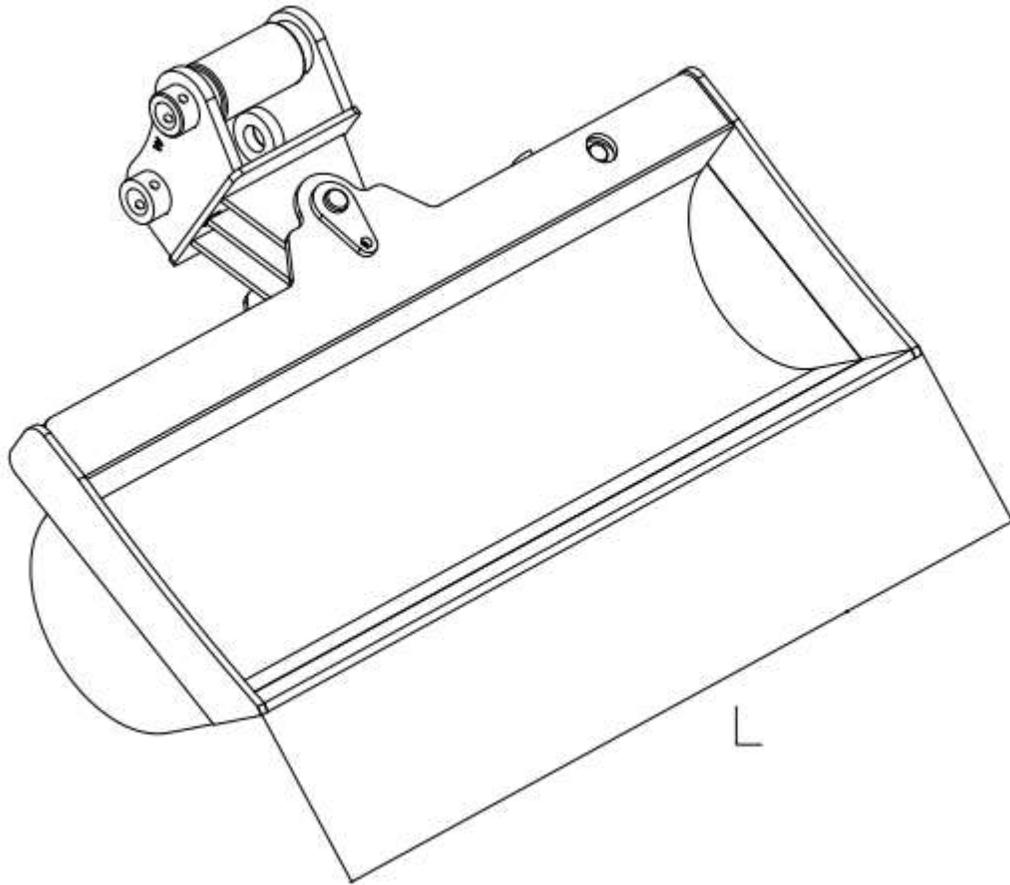
| REF No. | Part No. | Part Name | Q/T Y | Remarks |
|---------|--------------|---|-------|---------|
| 1 | LP0104010568 | L330 Deflection / L335W-bucket-200-purchased | | |
| 2 | LP0104010569 | L330 Deflection / L335W-bucket-300-purchased | | |
| 3 | LP0104010567 | L330 Deflection / L335W-bucket-400-Purchase | | |
| 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)



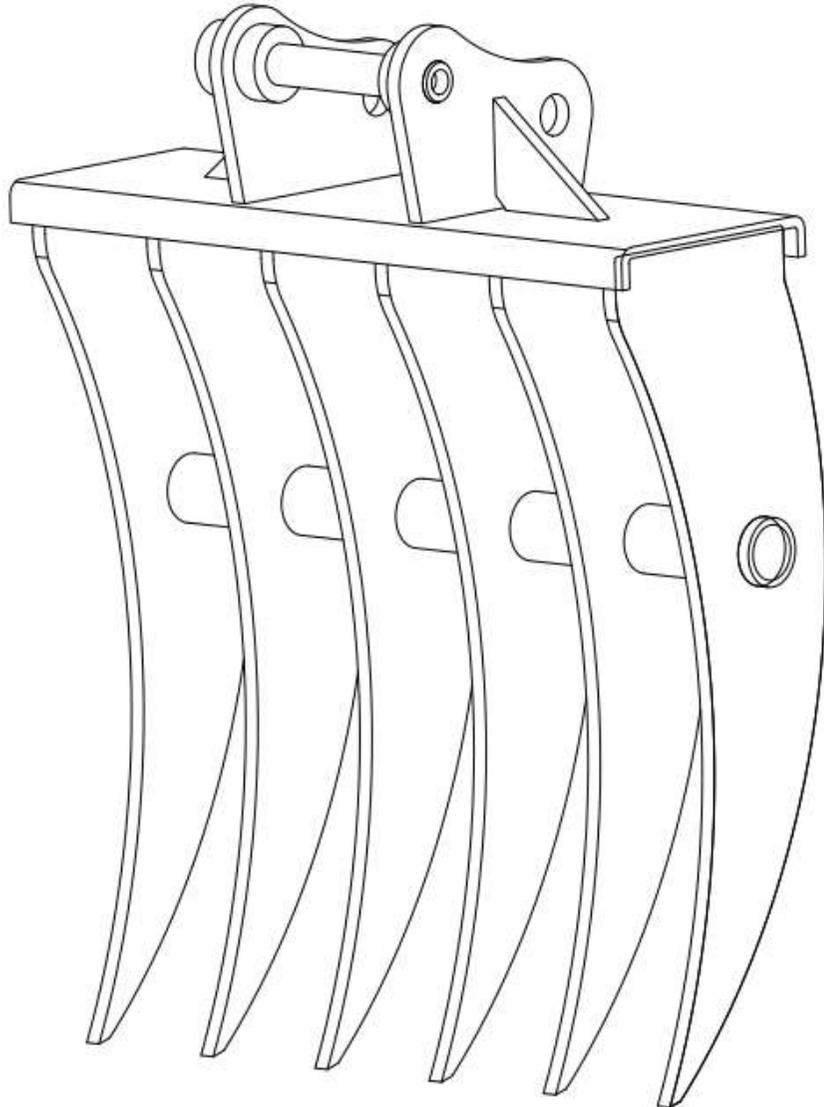
| REF No. | Part No. | Part Name | Q/T Y | Remarks |
|---------|--------------|--|-------|---------|
| 1 | LP0104011020 | L330 deflection / L335W-mud bucket-250 (ramp) procurement parts | | |
| 2 | LP0104010585 | L330 expansion / L335W-mud bucket-300 (ramp) -purchased parts | | |
| 3 | LP0104010586 | 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)



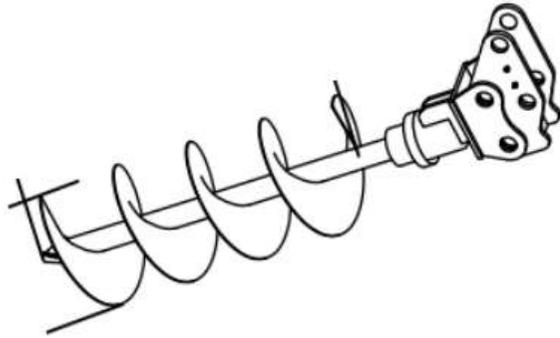
| REF No. | Part No. | Part Name | Q/T Y | Remarks |
|---------|--------------|---|-------|---------|
| 1 | LP0104010196 | L330 deflection L335-800 (ramp) single-cylinder tilt purchase | | |
| 2 | LP0104011134 | L330 deflection L335-800 (ramp) double cylinder tilt bucket purchase parts | | |
| 3 | LP0104010198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



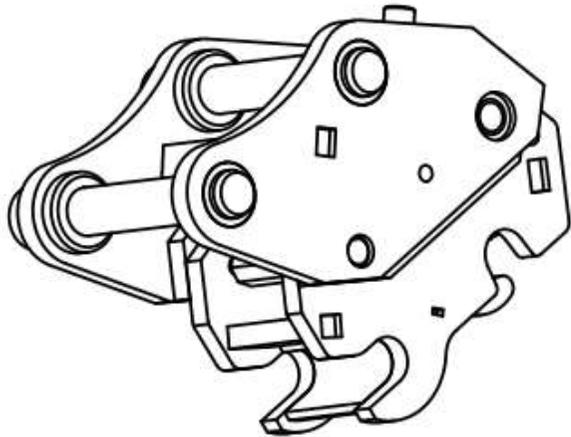
| REF No. | Part No. | Part Name | Q/T Y | Remarks |
|---------|--------------|--|-------|---------|
| 1 | LP0104010572 | L330 deflection / L335W-Rake-600-purchased parts | | |
| 2 | LP0104010576 | L330 deflection / L335W-rake-400-purchased parts | | |
| 3 | LP0104010579 | L330 deflection / L335W-rake-800-purchased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

6. 5.Rotary drilling (auxiliary equipment)



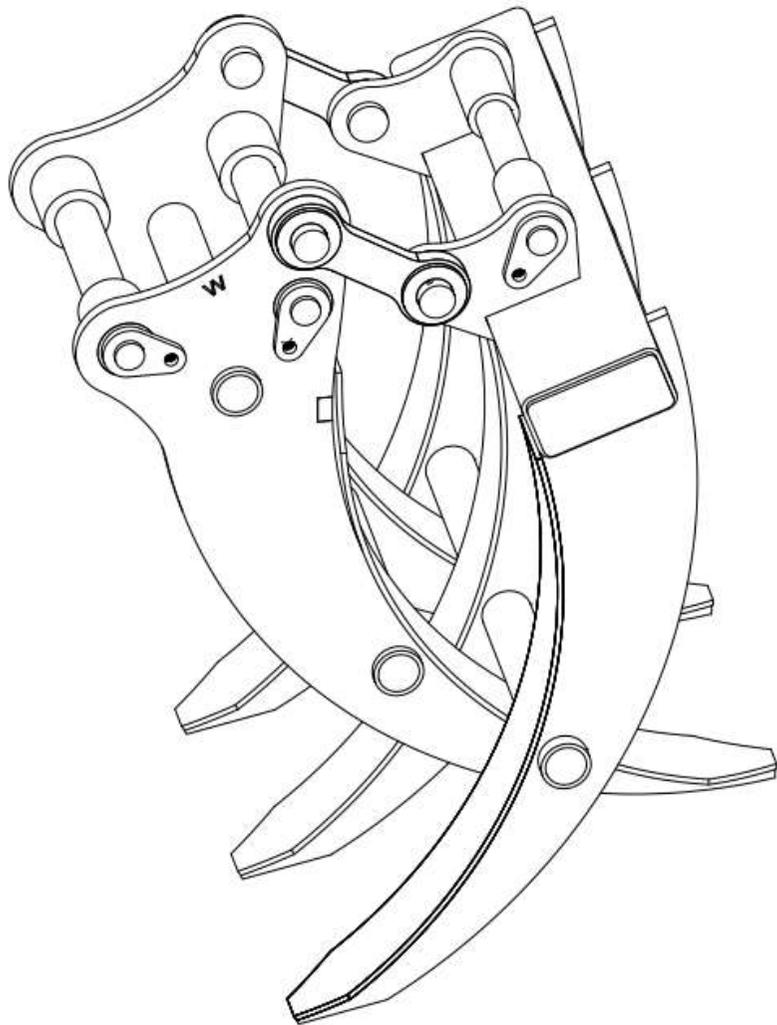
| REF No. | Part No. | Part Name | Q/TY | Re r |
|---------|--------------|---|------|------|
| 1 | LP0104010051 | L330 deflection / L335W-80cm long diameter 15cm rotary excavation drill procurement parts | | |
| 2 | LP0104010056 | L330 deflection / L335W-80cm long diameter 20cm rotary excavation drill 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 | Rem ks |
|---------|--------------|---|------|--------|
| 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 | | |