

## SWIFT RT0814

# Elevating Work Platform PARTS MANUAL

---

Swift Equipment Pty Ltd  
41 Southeast Blvd, Pakenham, VIC 3810  
**PH:** 1300 477 055  
**ABN:** 52 613 199 170

Proud Member of:



# Contents

|                                                 |          |
|-------------------------------------------------|----------|
| <b>Chapter1 Chassis assembly</b> -----          | <b>5</b> |
| 1.1 Base frame assembly 150200298-----          | 8        |
| 1.1.1 First step assembly 120201257-----        | 14       |
| 1.1 Left front wheel assembly 150200306-----    | 16       |
| 1.2 Control box assembly 150200315-----         | 18       |
| 1.3.1 Chassis control manifold 150200608-----   | 20       |
| 1.2.1 Traveling control manifold 150200609----- | 22       |
| 1.3.2 Outrigger control manifold 150200610----- | 24       |
| 1.2.2 ECU 81030243-----                         | 26       |
| 1.2 Left rear wheel assembly 150200297-----     | 28       |
| 1.3 Engine cover assembly 150200299-----        | 30       |
| 1.3 Left rear wheel assembly150200297-----      | 32       |
| 1.4 Tank tray assembly 150200304-----           | 34       |

|                                                                |           |
|----------------------------------------------------------------|-----------|
| 1.7.1 Fuel Tank 150200586 -----                                | 36        |
| 1.4.1 Hydraulic Tank 150200587 -----                           | 38        |
| 1.4 Right front wheel assembly 150200305 -----                 | 40        |
| 1.5 Right front & Left rear Outrigger assembly 150200295 ----- | 42        |
| 1.5 Left front & Right rear Outrigger assembly 150200294 ----- | 44        |
| 1.6 Engine assembly 150100200 -----                            | 46        |
| 1.6 Winch assembly Option) 150200290 -----                     | 48        |
| <b>Chapter2 Scissors arms assembly -----</b>                   | <b>50</b> |
| 2.1 Scissors arms assembly for BS0814RT -----                  | 51        |
| <b>Chapter3 Platform Assembly -----</b>                        | <b>54</b> |
| 3.1 Platform assembly 150500301 -----                          | 55        |
| 3.1 Extended platform installation 150500302 -----             | 56        |
| 3.2 PCU 810300171 -----                                        | 59        |

**Chapter4 Hydraulic System----- 61**

4.1 BS0814RT Hydraulic hoses route and fittings -----62

**Chapter5 Electric system-----65**

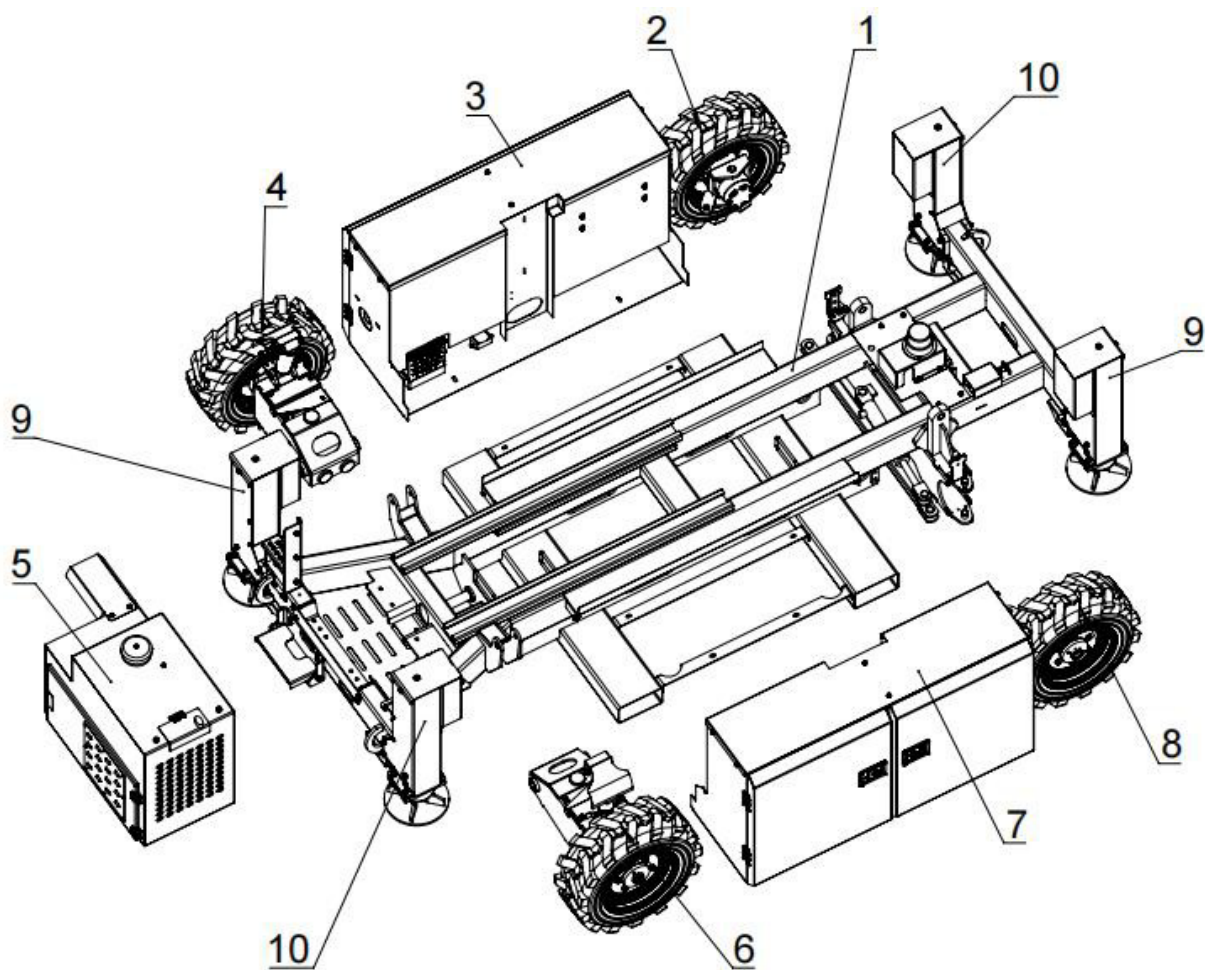
5.1 BS0814RT Electrical wiring diagram -----66

5.1 Winch Electrical wiring- (Option)-----68

# **Chapter1**

## **Chassis Assembly**

## 1. Chassis assembly

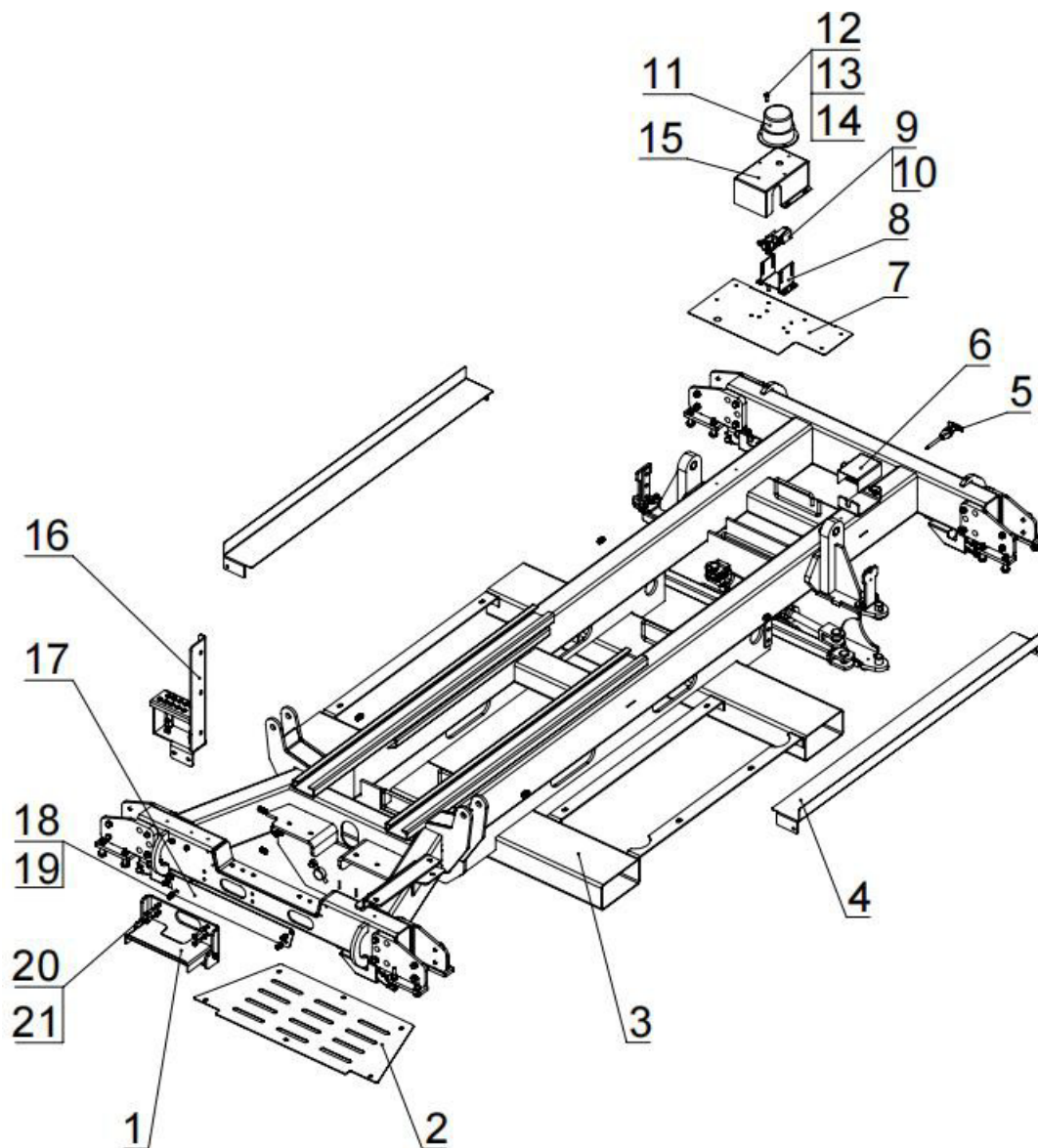


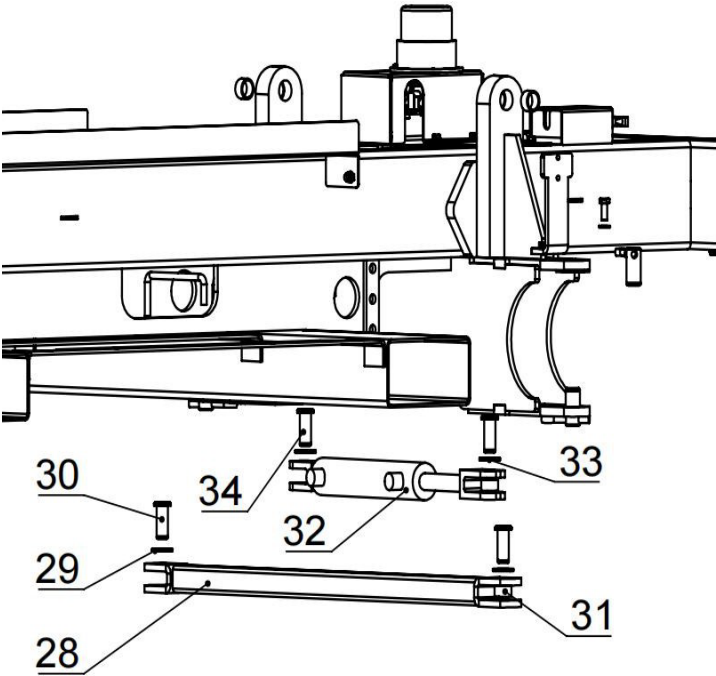
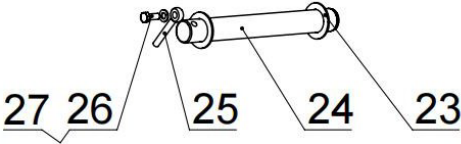
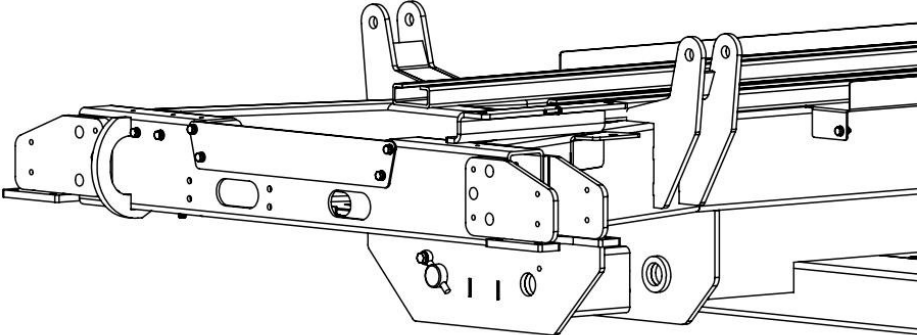
## Chassis assembly

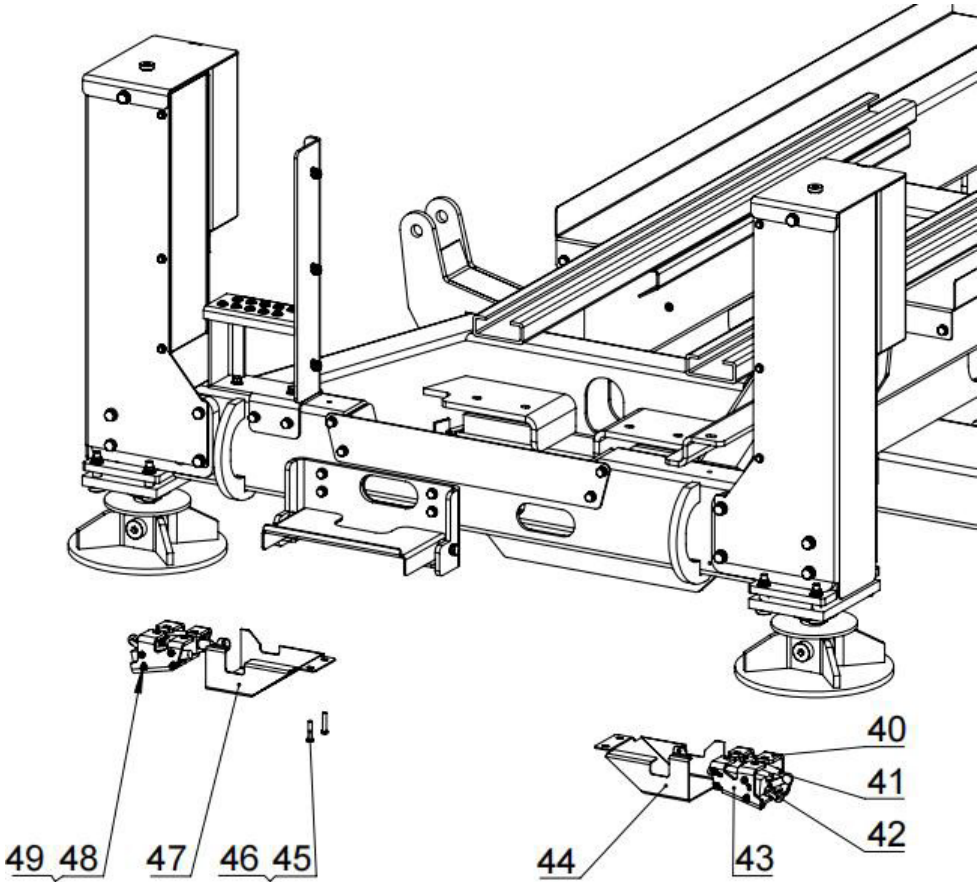
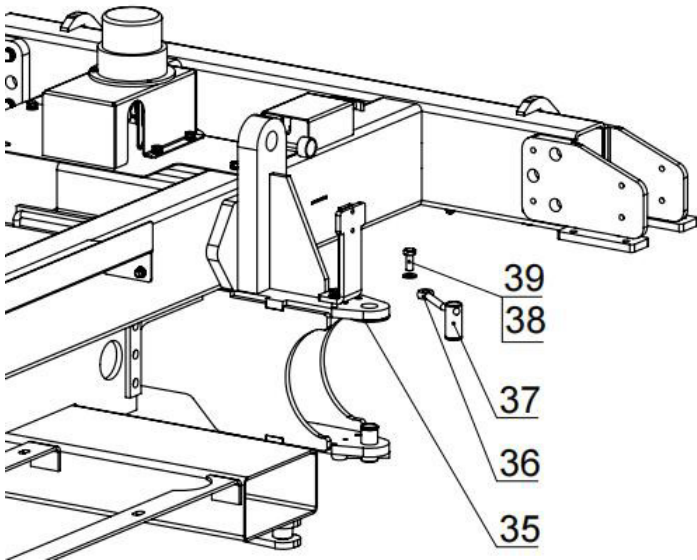
---

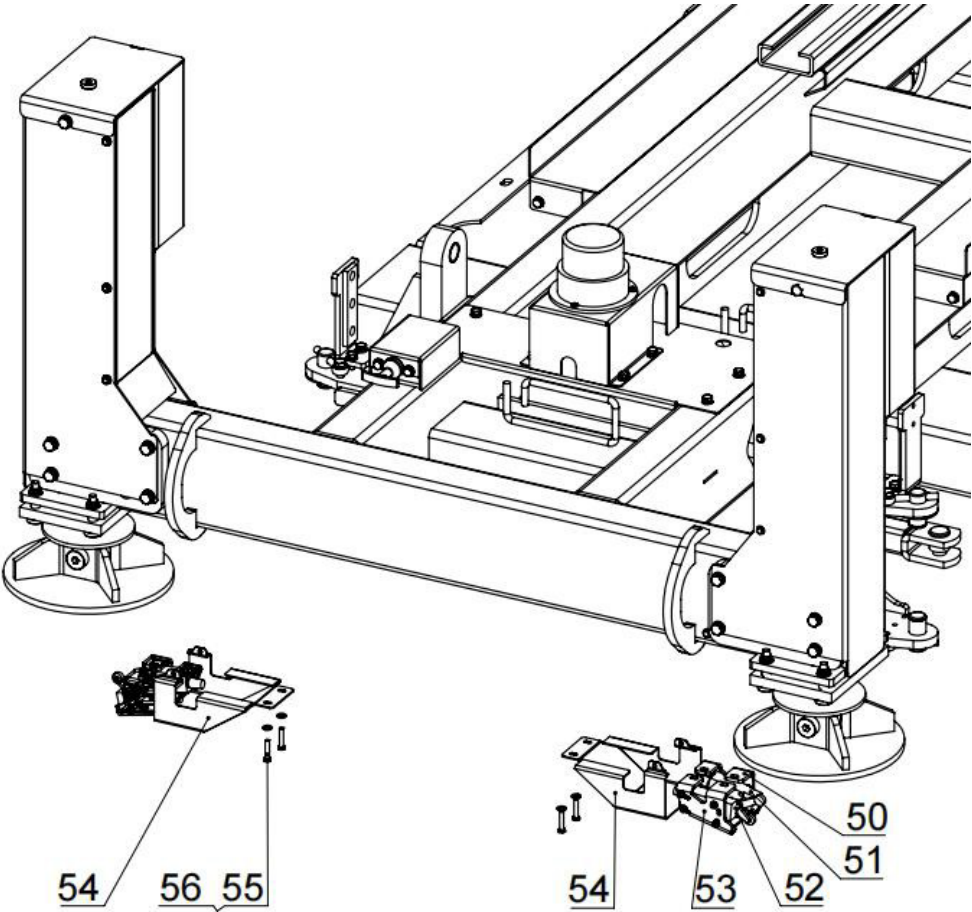
| ITEM | PART NO.  | NAME                                     | QTY |
|------|-----------|------------------------------------------|-----|
| 1    | 150200298 | Base frame assembly                      | 1   |
| 2    | 150200306 | Left front wheel assembly                | 1   |
| 3    | 150200315 | control box assembly                     | 1   |
| 4    | 150200297 | Left rear wheel assembly                 | 1   |
| 5    | 150200299 | Engine cover assembly                    | 1   |
| 6    | 150200296 | Right rear wheel assembly                | 1   |
| 7    | 150200304 | Tank tray assembly                       | 1   |
| 8    | 150200305 | Right front wheel assembly               | 1   |
| 9    | 150200295 | Right front&Left rear Outrigger assembly | 2   |
| 10   | 150200294 | Left front&Right rear Outrigger assembly | 2   |

## 1.1 Base frame assembly 150200298









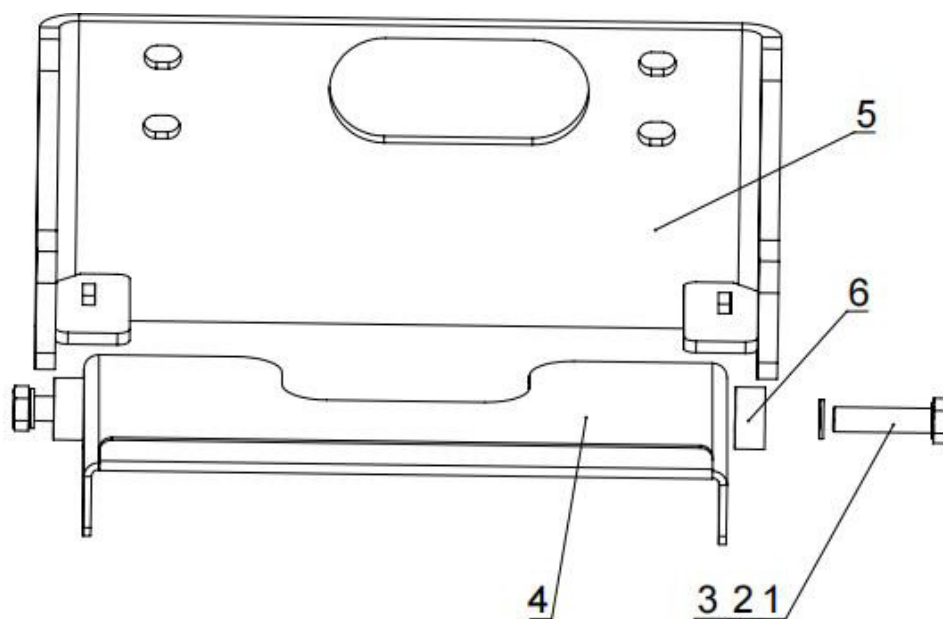
| ITEM | PART NO.    | NAME                             | QTY |
|------|-------------|----------------------------------|-----|
| 1    | 120201257   | First step assembly              | 1   |
| 2    | 150200313   | Engine bay sealing plate         | 1   |
| 3    | 150200301   | Base frame welding               | 1   |
| 4    | 150200622   | Cover plate                      | 2   |
| 5    | 81020012A   | Emergency cable (SN01-13)        | 1   |
| 5    | 81020012B   | Emergency cable                  | 1   |
| 6    | 150200621   | Emergency cover                  | 1   |
| 7    | 150200638   | limit cover                      | 1   |
| 8    | 120201095   | limit mounting panel             | 1   |
| 9    | 120600258   | Up limit                         | 1   |
| 10   | 120600259   | Down limit                       | 1   |
| 11   | 150200623   | Lamp                             | 1   |
| 12   | 80110012    | Bolt                             | 3   |
| 13   | 80140001    | Washer                           | 3   |
| 14   | 80130009    | Nut                              | 3   |
| 15   | 120201291   | cover                            | 1   |
| 16   | 150200325   | Second step assembly             | 1   |
| 17   | 150200312   | panel                            | 1   |
| 18   | 80110012    | Bolt                             | 4   |
| 19   | 80140001    | Washer                           | 4   |
| 21   | 80110051    | Bolt                             | 4   |
| 22   | 80140018    | Washer                           | 4   |
| 23   | 150200533   | Cu washer                        | 4   |
| 24   | 150200534   | Pin                              | 2   |
| 25   | 150300210   | Pin                              | 2   |
| 26   | 80110014    | Bolt                             | 2   |
| 27   | 80140001    | Washer                           | 2   |
| 28   | 150200307   | steering linkage                 | 1   |
| 29   | 150200384   | Cu washer                        | 2   |
| 30   | 150200530   | Pin                              | 2   |
| 31   | 150300357   | bearing bushing                  | 2   |
| 32   | 150200308   | Steering cylinder                | 1   |
| 32-1 | 150200308-1 | Steering cylinder Sealing kit    | 1   |
| 33   | 150200384   | Cu washer                        | 2   |
| 34   | 150200530   | Pin                              | 2   |
| 35   | 150200532   | Cu washer                        | 2   |
| 36   | 150300210   | Pin                              | 2   |
| 37   | 150200528   | Pin                              | 2   |
| 38   | 80110014    | Bolt                             | 2   |
| 39   | 80140001    | Washer                           | 2   |
| 40   | 150200649   | Outrigger limit mounting panel   | 2   |
| 41   | 120600252   | Retract limit                    | 2   |
| 42   | 120600253   | Reach limit                      | 2   |
| 43   | 150200659   | Outrigger limit mounting panel   | 2   |
| 44   | 150200663   | Right rear Outrigger limit cover | 1   |

## Chassis assembly

---

|    |           |                                   |   |
|----|-----------|-----------------------------------|---|
| 45 | 80110042  | Bolt                              | 4 |
| 46 | 80140001  | Washer                            | 4 |
| 47 | 150200662 | left rear Outrigger limit cover   | 1 |
| 48 | 80120017  | Bolt                              | 8 |
| 49 | 80140003  | Washer                            | 8 |
| 50 | 150200649 | Outrigger limit mounting panel    | 2 |
| 51 | 120600252 | Retract limit                     | 2 |
| 52 | 120600253 | Reach limit                       | 2 |
| 53 | 150200659 | Outrigger limit mounting panel    | 2 |
| 54 | 150200658 | Right front outrigger limit cover | 1 |
| 55 | 80120017  | Bolt                              | 8 |
| 56 | 80140003  | Washer                            | 8 |

**First step assembly 120201257**

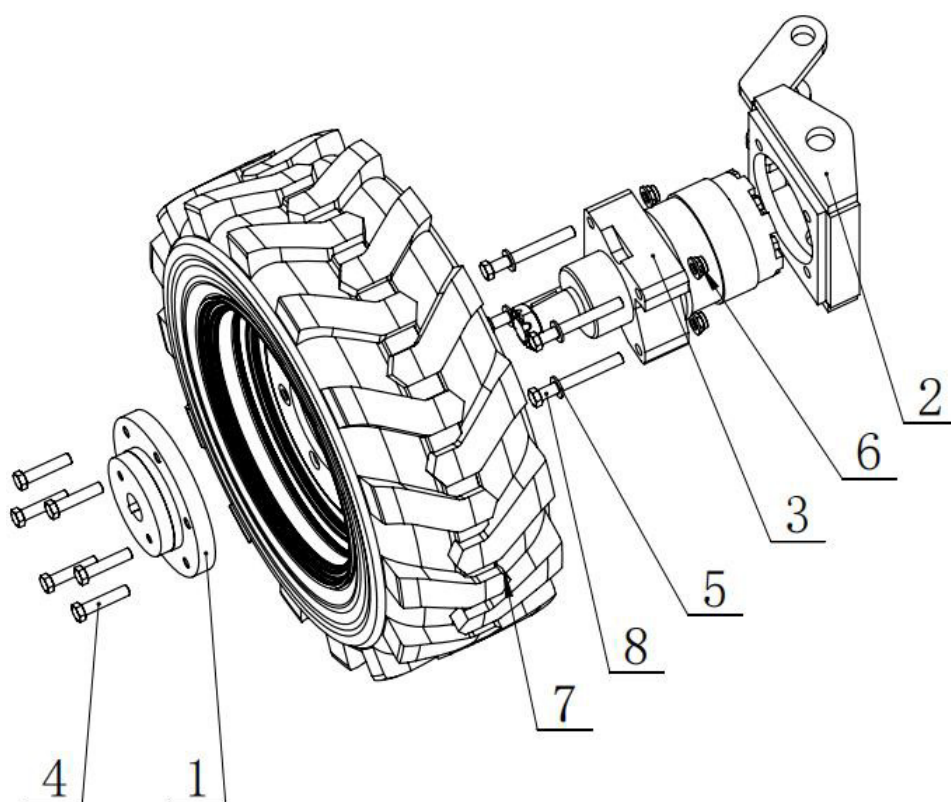


## Chassis assembly

---

| ITEM | PART NO.  | NAME            | QTY |
|------|-----------|-----------------|-----|
| 1    | 80110005  | Bolt            | 2   |
| 2    | 80140008  | Washer          | 4   |
| 3    | 80130010  | Nut             | 2   |
| 4    | 120201260 | Patterned plate | 1   |
| 5    | 120201255 | Mounting panel  | 1   |
| 6    | 120201261 | Nylon           | 1   |

### 1.1 Left front wheel assembly 150200306

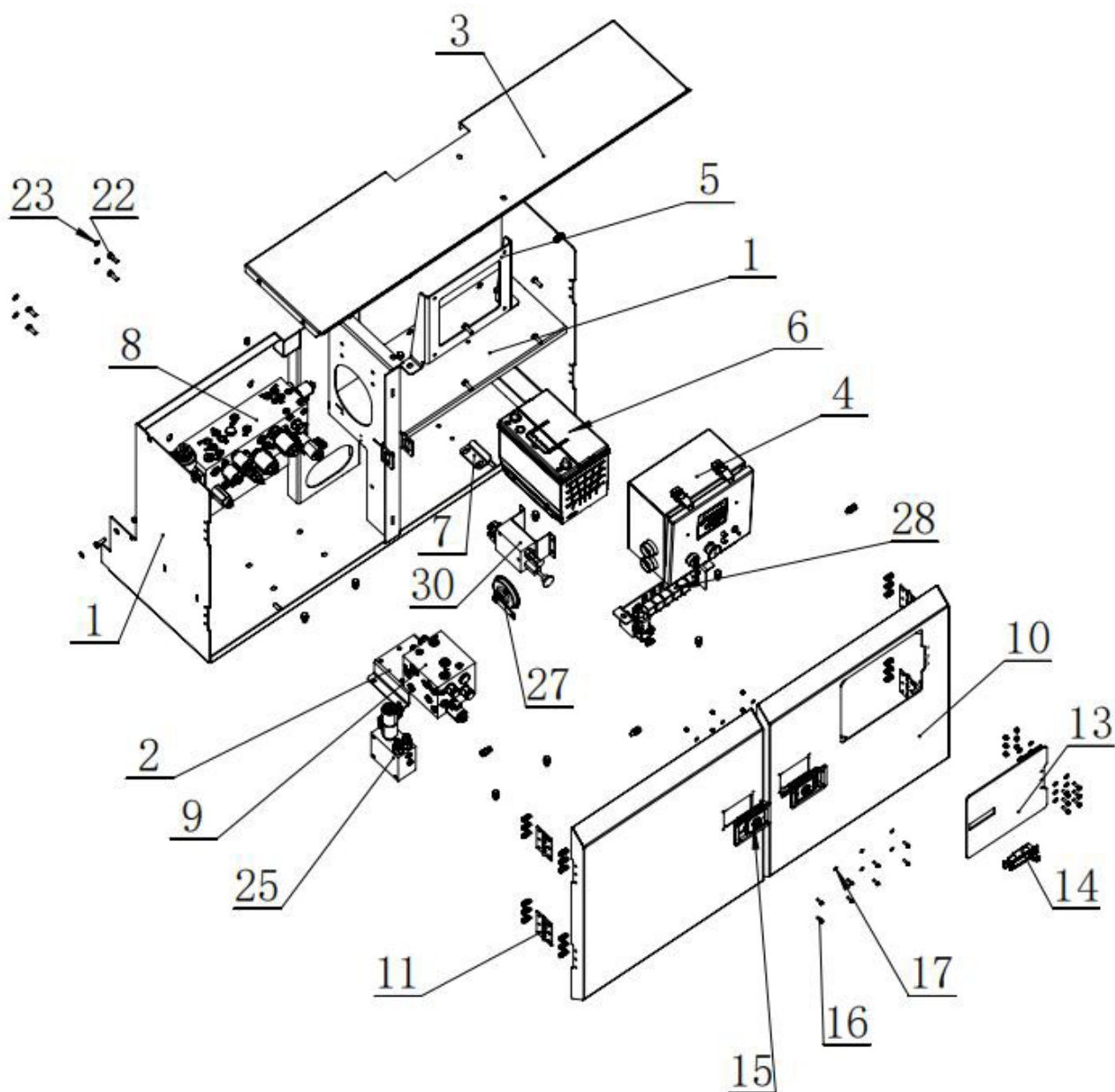


## Chassis assembly

---

| ITEM | PART NO.  | NAME            | QTY |
|------|-----------|-----------------|-----|
| 1    | 150200400 | Transition disc | 1   |
| 2    | 150200489 | Yoke-left       | 1   |
| 3    | 150200402 | Motor           | 1   |
| 4    | 80110061  | Whell screw     | 6   |
| 5    | 80140027  | Washer          | 12  |
| 6    | 80130041  | Nut             | 6   |
| 7    | 150200589 | lift tyre       | 1   |
| 8    | 80110083  | Bolt            | 6   |

## 1.2 Control box assembly 150200315

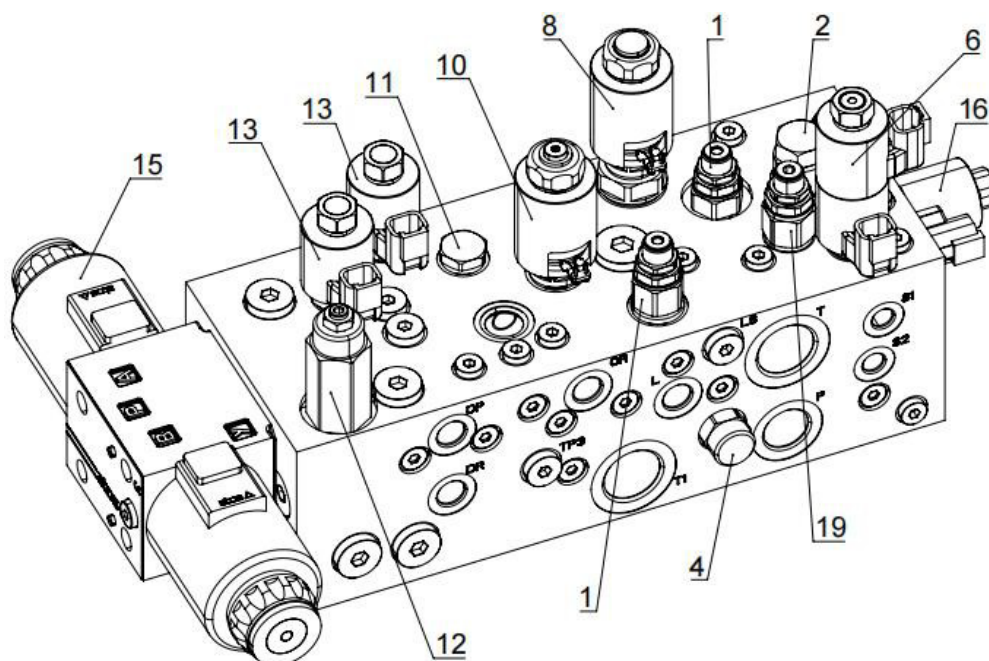
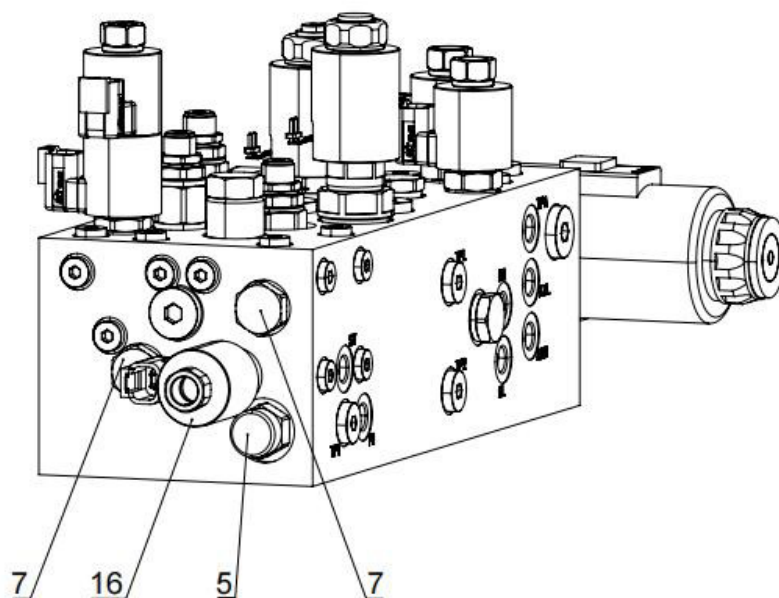


## Chassis assembly

---

| ITEM | PART NO.   | NAME                                          | QTY |
|------|------------|-----------------------------------------------|-----|
| 1    | 150200490  | Welded for left control box                   | 1   |
| 2    | 150200497  | Mounting plate                                | 1   |
| 3    | 150200498  | Cover plate                                   | 1   |
| 4    | 81030243   | ECU                                           | 1   |
| 5    | 150200499  | Mounting plate of ECU                         | 1   |
| 6    | 150200641A | Battery 60A(SN01~13)                          | 1   |
| 6    | 150200641B | Battery 80A                                   | 1   |
| 7    | 150200501  | Battery platen                                | 1   |
| 8    | 150200608  | Chassis control manifold                      | 1   |
| 9    | 150200609  | Traveling control manifold                    | 1   |
| 10   | 150200502  | Weld the right door of the ground control box | 1   |
| 11   | 81010066   | Hinge                                         | 5   |
| 12   | 150200572  | Weld the left door of the ground control box  | 1   |
| 13   | 150200605  | Controller gate                               | 1   |
| 14   | 81010067   | Planar lock                                   | 1   |
| 15   | 81010005   | Panel lock                                    | 2   |
| 16   | 80120017   | Bolt                                          | 10  |
| 17   | 80140003   | Washer                                        | 14  |
| 18   | 80130039   | Nut                                           | 5   |
| 19   | 80110036   | Bolt                                          | 34  |
| 20   | 80140002   | Washer                                        | 68  |
| 21   | 80130036   | Nut                                           | 36  |
| 22   | 80110057   | Bolt                                          | 26  |
| 23   | 80140018   | Washer                                        | 43  |
| 24   | 80130009   | Nut                                           | 18  |
| 25   | 150200610  | Outrigger control manifold                    | 1   |
| 26   | 81030014   | Tilt sensor                                   | 1   |
| 27   | 81030111   | megaphone                                     | 1   |
| 28   | 150200642  | Relay assembly                                | 1   |
| 29   | 81030095   | Power switch                                  | 1   |
| 30   | 150200660  | Hand pump                                     | 1   |

### 1.3.1 Chassis control manifold 150200608

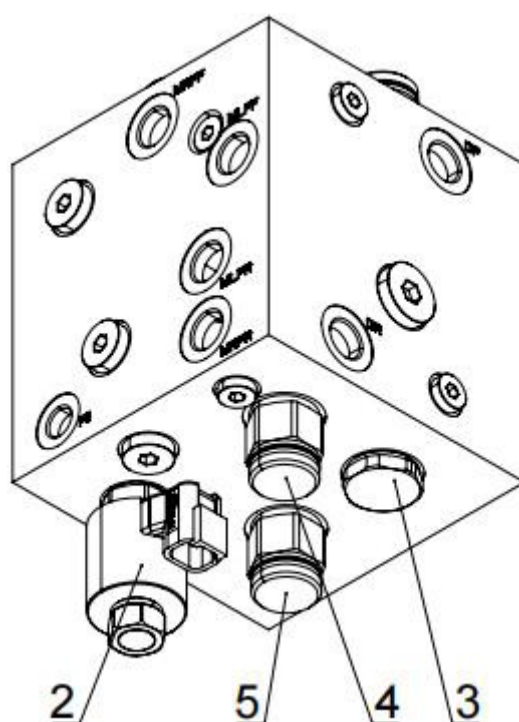
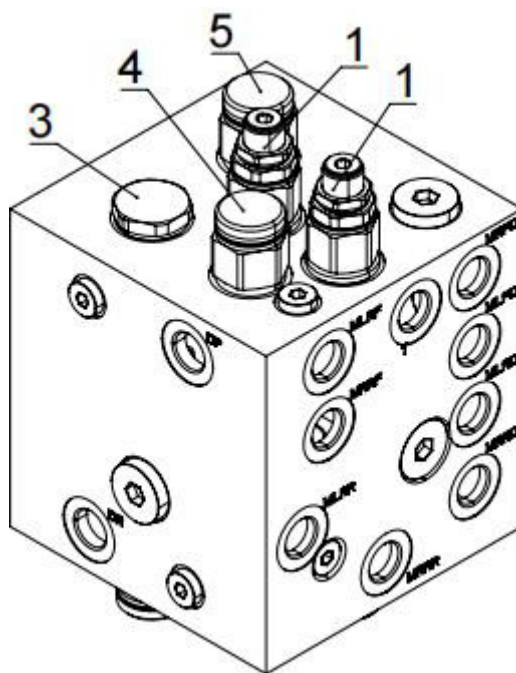


## Chassis assembly

---

| ITEM | PART NO.   | NAME             | QTY |
|------|------------|------------------|-----|
| 1    | 150800001  | RVS0.S10.0W.250  | 2   |
| 2    | 150800002  | 7120153-0.3      | 1   |
| 4    | 150800003  | F08C-21F-0.4     | 1   |
| 5    | 150800004  | F08C-21F-5.0     | 1   |
| 6    | 150800005  | E08N-5M          | 1   |
| 7    | 150800006  | STCV08-0-000A    | 2   |
| 8    | 150800007  | FE12PC-32        | 1   |
| 10   | 150800008  | E10N-31          | 1   |
| 11   | 150800009  | 712S009-55       | 1   |
| 12   | 150800010  | C000D210040200A  | 1   |
| 13   | 150800011  | E08N-33          | 2   |
| 15   | 150800012A | E08N-33(SN01~13) | 1   |
| 15   | 150800012B | E08N-33          | 1   |
| 16   | 150800013  | E08N-33          | 1   |
| 19   | 150800014  | E08N-33          | 1   |

### 1.2.1 Traveling control manifold 150200609

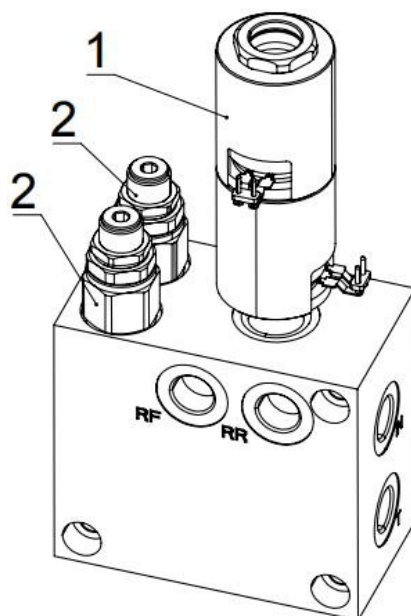


## Chassis assembly

---

| ITEM | PART NO.  | NAME           | QTY |
|------|-----------|----------------|-----|
| 1    | 150800015 | STRV08-G-210A  | 2   |
| 2    | 150800016 | E08N-33        | 1   |
| 3    | 150800017 | FD10C-33-27    | 2   |
| 4    | 150800018 | PD10-30-0-N-60 | 2   |
| 5    | 150800019 | PD10-34-0-N-60 | 2   |

### 1.3.2 Outrigger control manifold 150200610

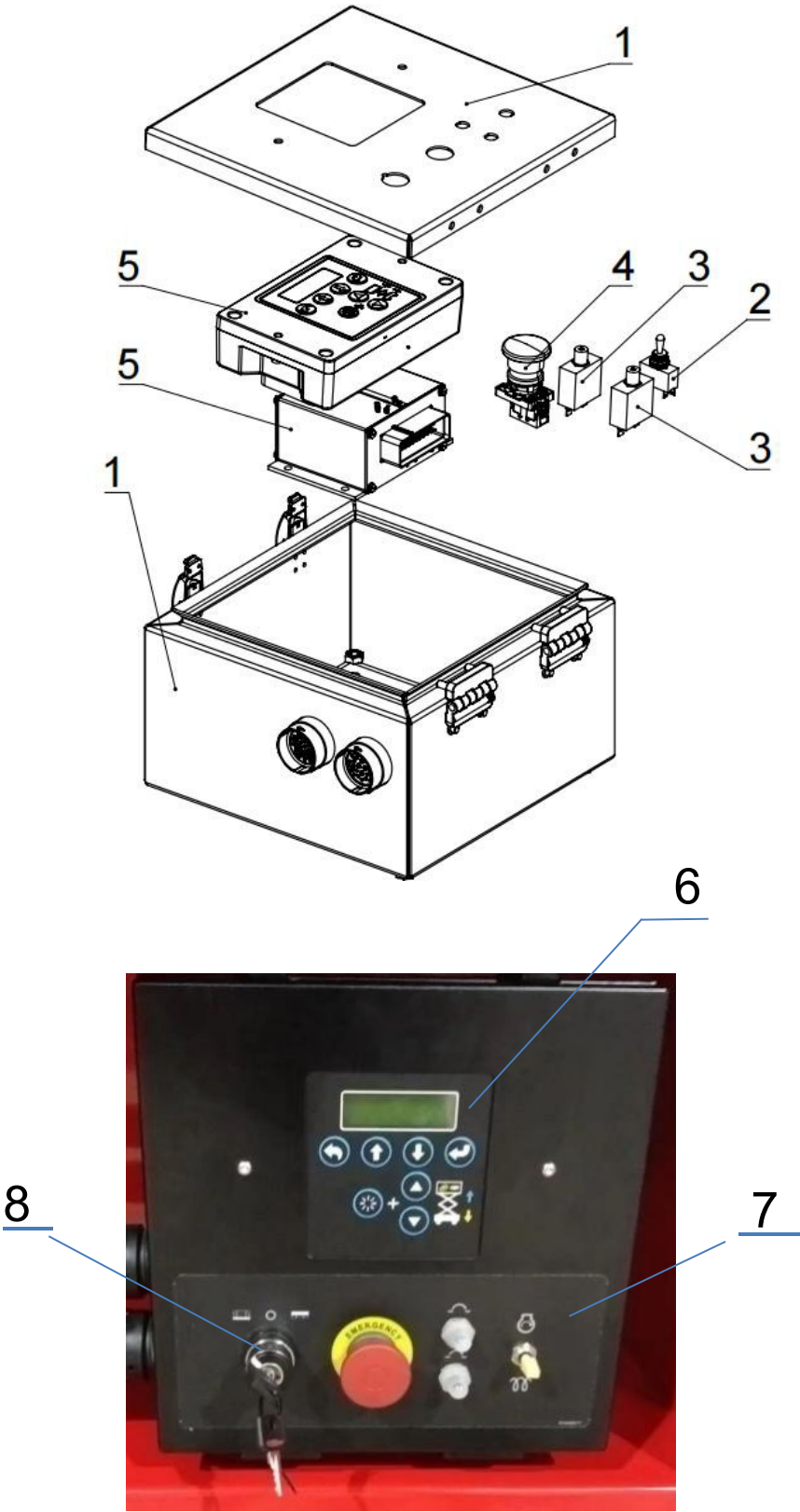


Chassis assembly

---

| ITEM | PART NO.  | NAME          | QTY |
|------|-----------|---------------|-----|
| 1    | 150800020 | E10N-4A       | 1   |
| 2    | 150800021 | STRV08-G-210A | 2   |

1.2.2 ECU 81030243

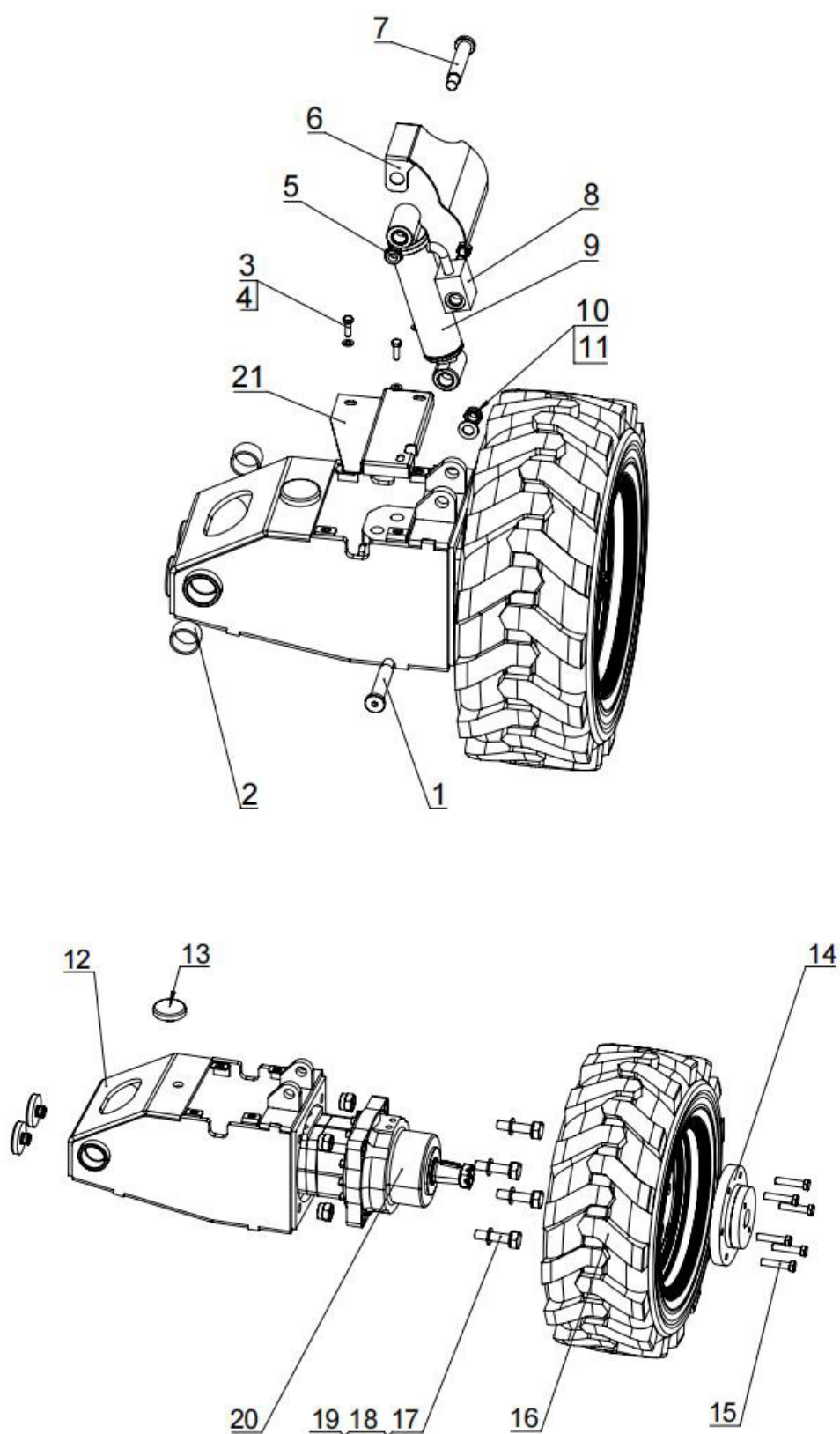


## Chassis assembly

---

| ITEM | PART NO. | NAME                  | QTY |
|------|----------|-----------------------|-----|
| 1    | 82070063 | Control box body      | 1   |
| 2    | 81070029 | Push button           | 1   |
| 3    | 81070017 | Breaker               | 2   |
| 4    | 81070002 | Emergency stop switch | 1   |
| 5    | 86020020 | E6X-1 system          | 1   |
| 6    | 86020021 | Decal -2              | 1   |
| 7    | 86020022 | Decal -1              | 1   |
| 8    | 81070009 | Key                   | 1   |

## 1.2 Left rear wheel assembly 150200297

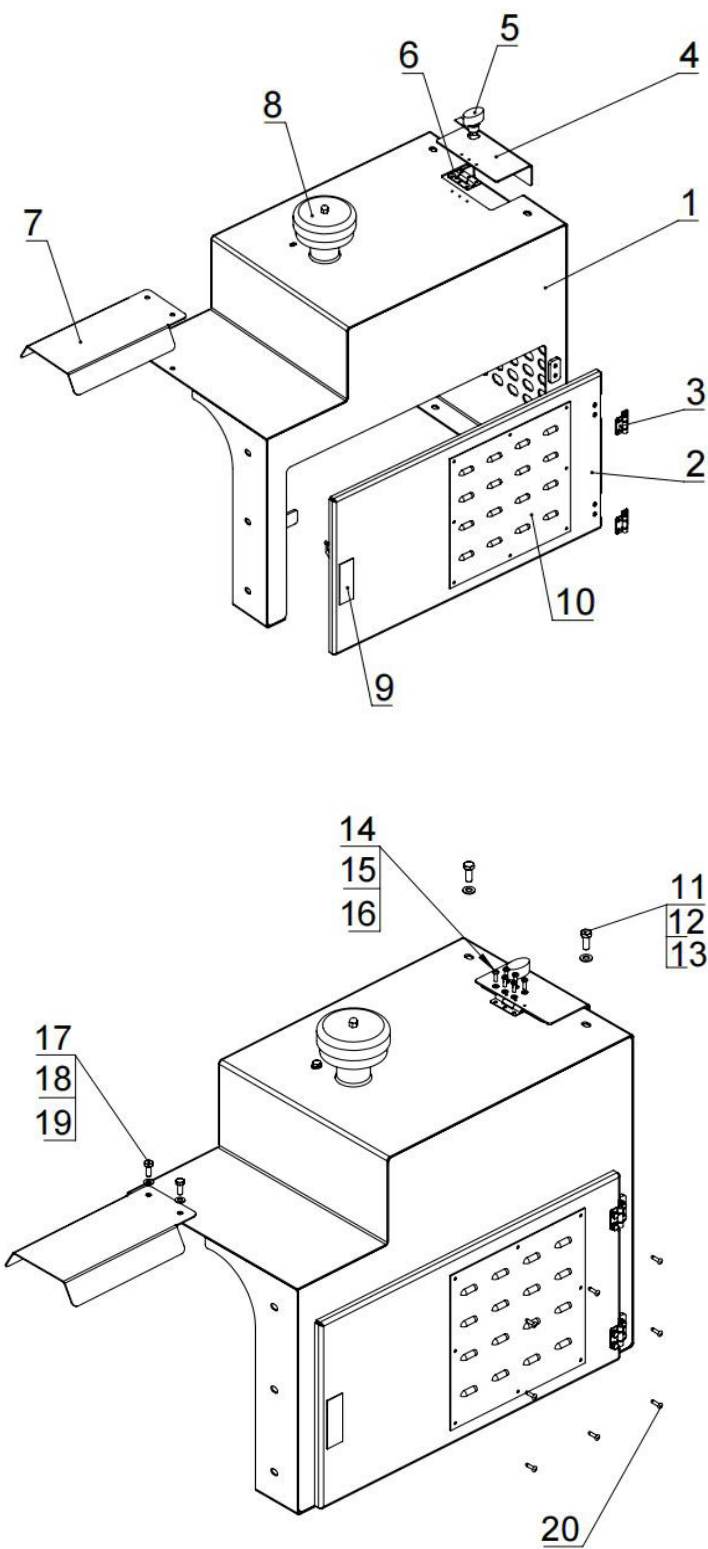


## Chassis assembly

---

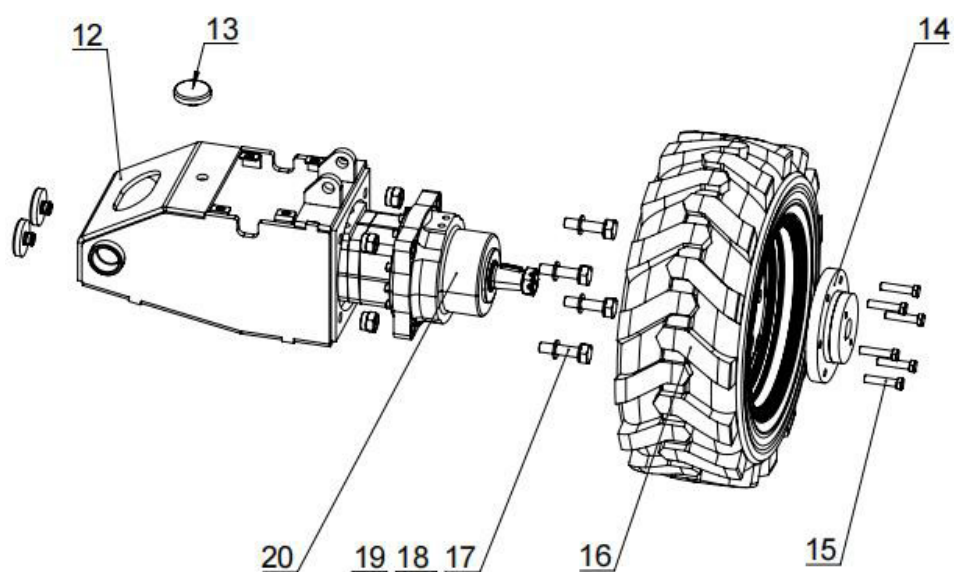
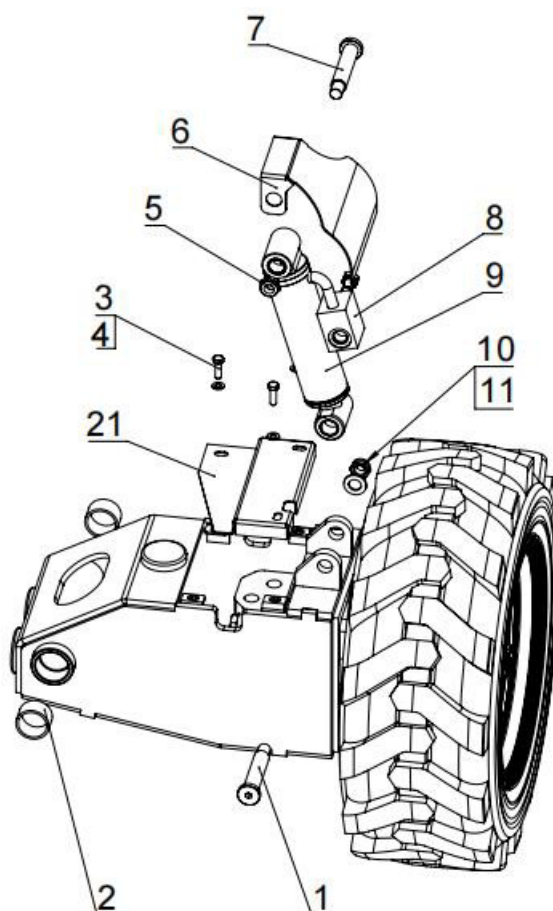
| ITEM | PART NO.    | NAME                          | QTY |
|------|-------------|-------------------------------|-----|
| 1    | 150200531   | Pin                           | 1   |
| 2    | 150200606   | bearing bushing               | 2   |
| 3    | 80110057    | Bolt                          | 3   |
| 4    | 80140018    | Washer                        | 3   |
| 5    | 80130040    | Nut                           | 1   |
| 6    | 150200647   | panel                         | 1   |
| 7    | 150200531   | Pin                           | 1   |
| 8    | 150200611   | Floating cylinder manifold    | 1   |
| 9    | 150200607   | Floating cylinder             | 1   |
| 9-1  | 150200607-1 | Floating cylinder Sealing kit | 1   |
| 10   | 80130040    | Nut                           | 1   |
| 11   | 80140027    | Washer                        | 1   |
| 12   | 150200480   | Rear axle welding             | 1   |
| 13   | 150300072   | cushion                       | 3   |
| 14   | 150200400   | Transition disc               | 1   |
| 15   | 80110061    | Whell screw                   | 6   |
| 16   | 150200588   | Right tyre                    | 1   |
| 17   | 80110083    | Bolt                          | 6   |
| 18   | 80140027    | Washer                        | 12  |
| 19   | 80130041    | Nut                           | 6   |
| 20   | 150200488   | Motor -brake                  | 1   |
| 21   | 150200655   | Cover-right                   | 1   |

1.3 Engine cover assembly 150200299



| ITEM | PART NO.  | NAME                      | QTY |
|------|-----------|---------------------------|-----|
| 1    | 150200418 | Engine compartment welded | 1   |
| 2    | 150200649 | Engine bay door           | 1   |
| 3    | 150200455 | hinge                     | 2   |
| 4    | 150200456 | Access door               | 1   |
| 5    | 150200457 | hinge                     | 1   |
| 6    | 150200458 | Lock catch                | 1   |
| 7    | 150200323 | Exhaust pipe damper       | 1   |
| 8    | 150200646 | Rain cap                  | 1   |
| 9    | 150200460 | Door lock                 | 1   |
| 10   | 150200631 | small door                | 1   |
| 11   | 80110005  | Bolt                      | 2   |
| 12   | 80140001  | Washer                    | 2   |
| 13   | 80130010  | Nut                       | 2   |
| 14   | 80120017  | Bolt                      | 6   |
| 15   | 80140003  | Washer                    | 12  |
| 16   | 80130039  | Nut                       | 6   |
| 17   | 80110012  | Bolt                      | 2   |
| 18   | 80140018  | Washer                    | 4   |
| 19   | 80130009  | Nut                       | 2   |
| 20   | 80180002  | Head Rivet                | 8   |

### 1.3 Left rear wheel assembly 150200297

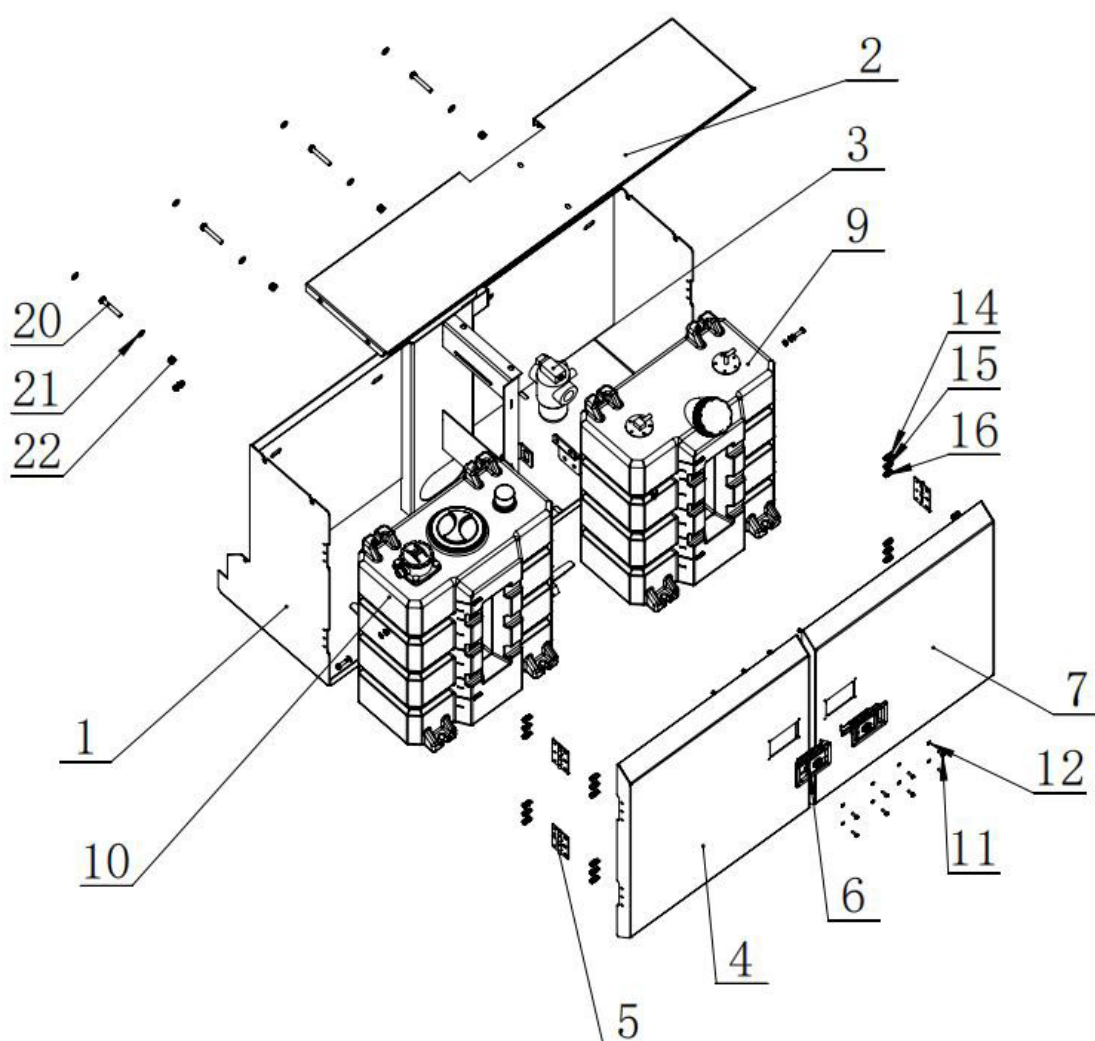


## Chassis assembly

---

| ITEM | PART NO.    | NAME                          | QTY |
|------|-------------|-------------------------------|-----|
| 1    | 150200531   | Pin                           | 1   |
| 2    | 150200606   | bearing bushing               | 2   |
| 3    | 80110057    | Bolt                          | 3   |
| 4    | 80140018    | Washer                        | 3   |
| 5    | 80130040    | Nut                           | 1   |
| 6    | 150200647   | panel                         | 1   |
| 7    | 150200531   | Pin                           | 1   |
| 8    | 150200611   | Floating cylinder manifold    | 1   |
| 9    | 150200607   | Floating cylinder             | 1   |
| 9-1  | 150200607-1 | Floating cylinder Sealing kit | 1   |
| 10   | 80130040    | Nut                           | 1   |
| 11   | 80140027    | Washer                        | 1   |
| 12   | 150200480   | Rear axle welding             | 1   |
| 13   | 150300072   | cushion                       | 3   |
| 14   | 150200400   | Transition disc               | 1   |
| 15   | 80110061    | Whell screw                   | 6   |
| 16   | 150200589   | Left tyre                     | 1   |
| 17   | 80110083    | Bolt                          | 6   |
| 18   | 80140027    | Washer                        | 12  |
| 19   | 80130041    | Nut                           | 6   |
| 20   | 150200488   | Motor -brake                  | 1   |
| 21   | 150200656   | Cover-left                    | 1   |

#### 1.4 Tank tray assembly 150200304

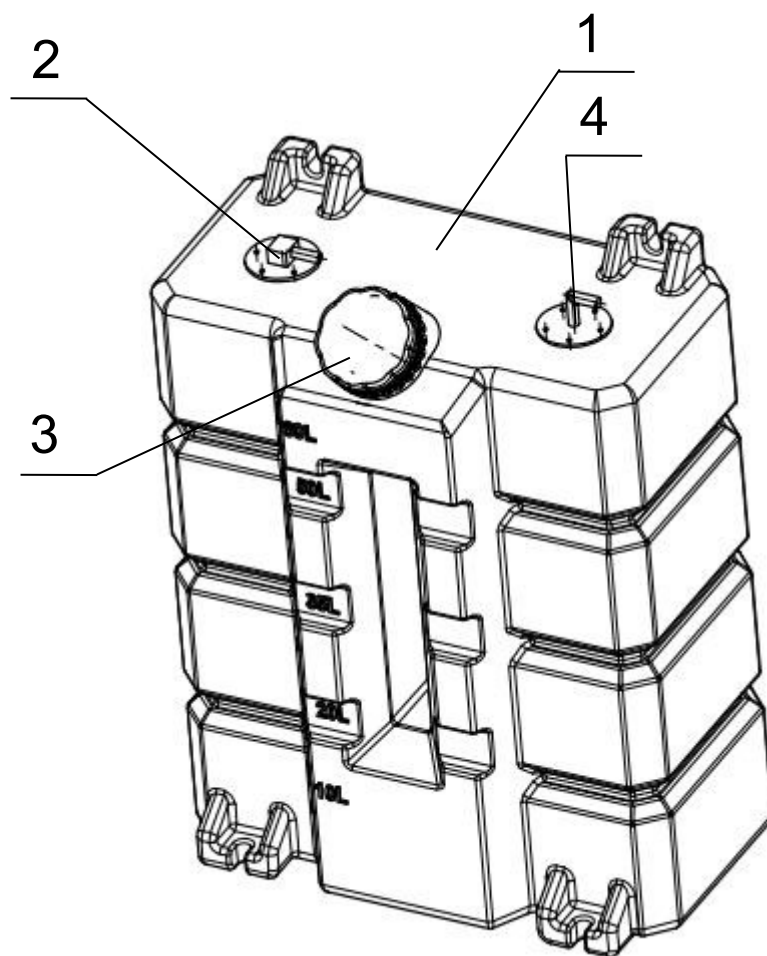


## Chassis assembly

---

| ITEM | PART NO.  | NAME                                         | QTY |
|------|-----------|----------------------------------------------|-----|
| 1    | 150200386 | Tank welding                                 | 1   |
| 2    | 150200394 | Cover plate                                  | 1   |
| 3    | 150200397 | Return filter                                | 1   |
| 4    | 150200572 | Weld the left door of the ground control box | 1   |
| 5    | 81010066  | hinge                                        | 4   |
| 6    | 81010005  | Panel lock                                   | 2   |
| 7    | 150200399 | Weld the left door of the ground control box | 1   |
| 8    | 150200603 | Mounting plate                               | 1   |
| 9    | 150200586 | Fuel tank                                    | 1   |
| 10   | 150200587 | Hydraulic tank                               | 1   |
| 11   | 80120017  | Bolt                                         | 8   |
| 12   | 80140003  | Washer                                       | 16  |
| 13   | 80130039  | Nut                                          | 8   |
| 14   | 80110036  | Bolt                                         | 24  |
| 15   | 80140002  | Washer                                       | 48  |
| 16   | 80130036  | Nut                                          | 24  |
| 17   | 80110057  | Bolt                                         | 6   |
| 18   | 80140018  | Washer                                       | 12  |
| 19   | 80130009  | Nut                                          | 6   |
| 20   | 80110053  | Bolt                                         | 6   |
| 21   | 80140001  | Washer                                       | 12  |
| 22   | 80130037  | Nut                                          | 6   |
| 23   | 150200639 | Mounting plate                               | 1   |

### 1.7.1 Fuel Tank 150200586

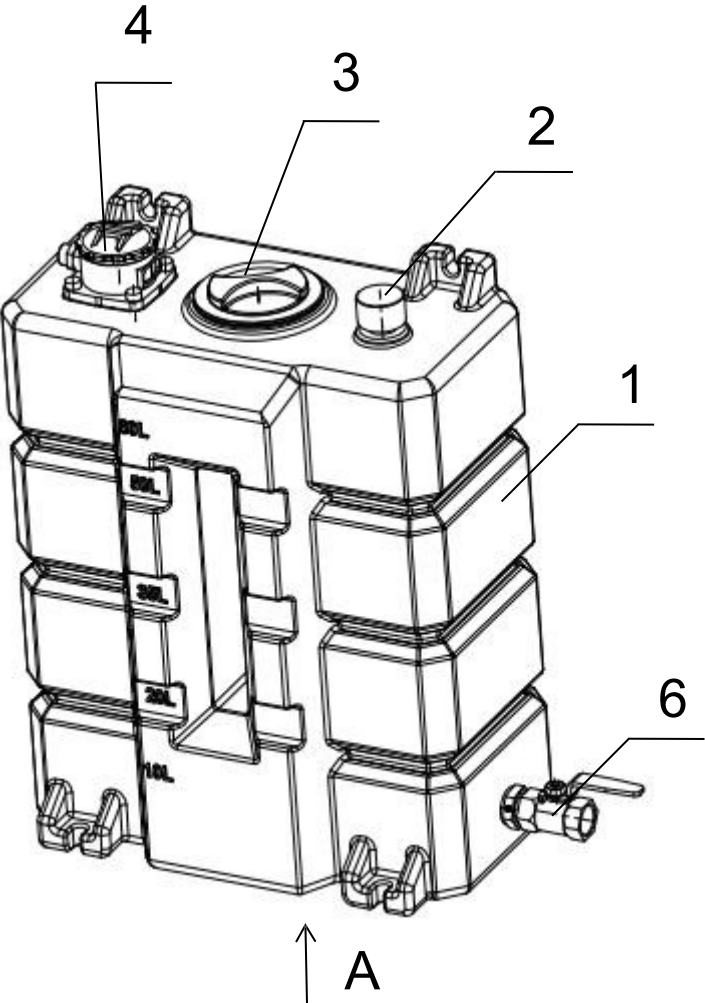


## Chassis assembly

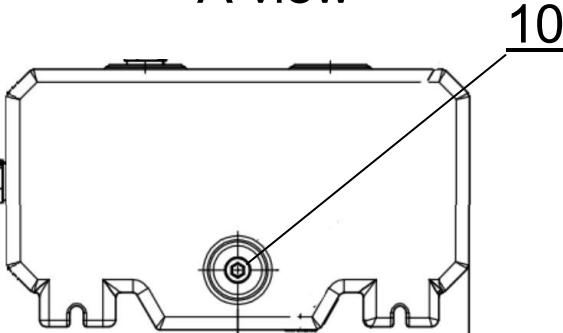
---

| ITEM | PART NO.  | NAME                               | QTY |
|------|-----------|------------------------------------|-----|
| 1    | 150800022 | Body C37b                          | 1   |
| 2    | 150800023 | Fuel level sensors JC20011         | 1   |
| 3    | 150800024 | Cover JC22013                      | 1   |
| 4    | 150800025 | Fuel return & sucking pipe JC19088 | 1   |

1.4.1 Hydraulic Tank 150200587



A view

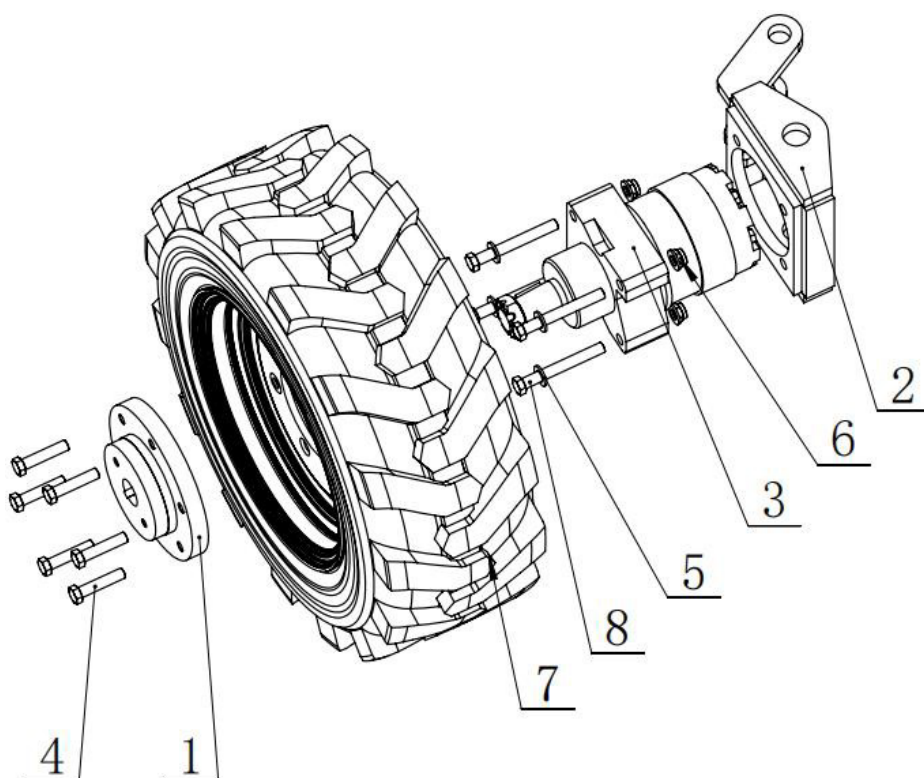


## Chassis assembly

---

| ITEM | PART NO.  | NAME                      | QTY |
|------|-----------|---------------------------|-----|
| 1    | 150800026 | Body C37                  | 1   |
| 2    | 150800027 | Breathing cap JC19052     | 1   |
| 3    | 150800028 | Cover JC19003             | 1   |
| 4    | 150800029 | Return oil filter JC19008 | 1   |
| 6    | 150800030 | Spherical valve JC19022   | 1   |
| 10   | 150800031 | Oil drain plug JC19009    | 1   |

#### 1.4 Right front wheel assembly 150200305

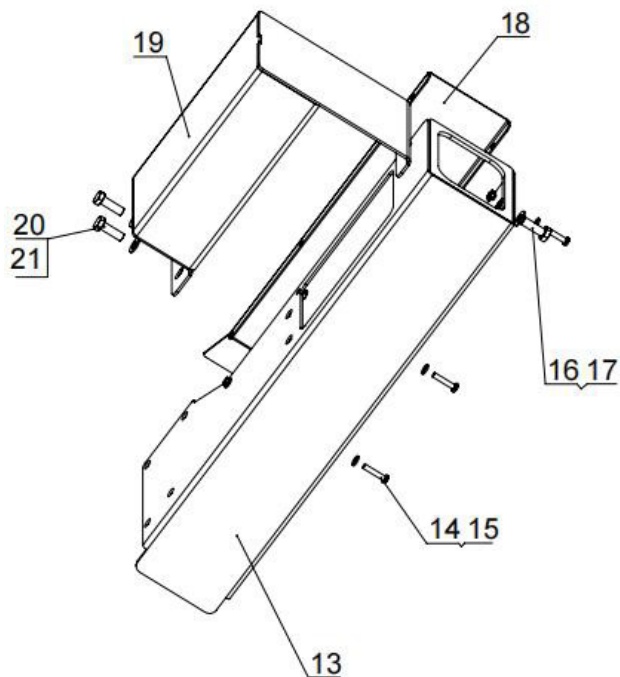
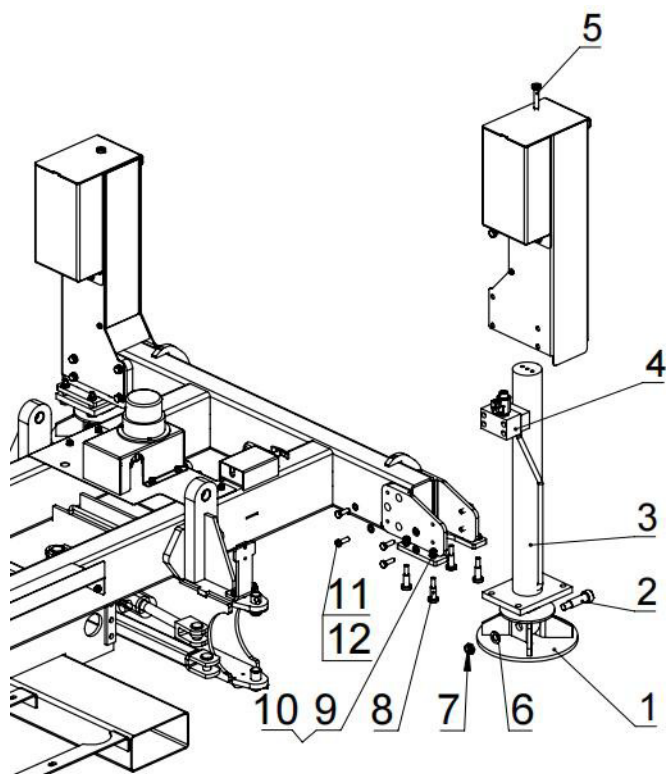


## Chassis assembly

---

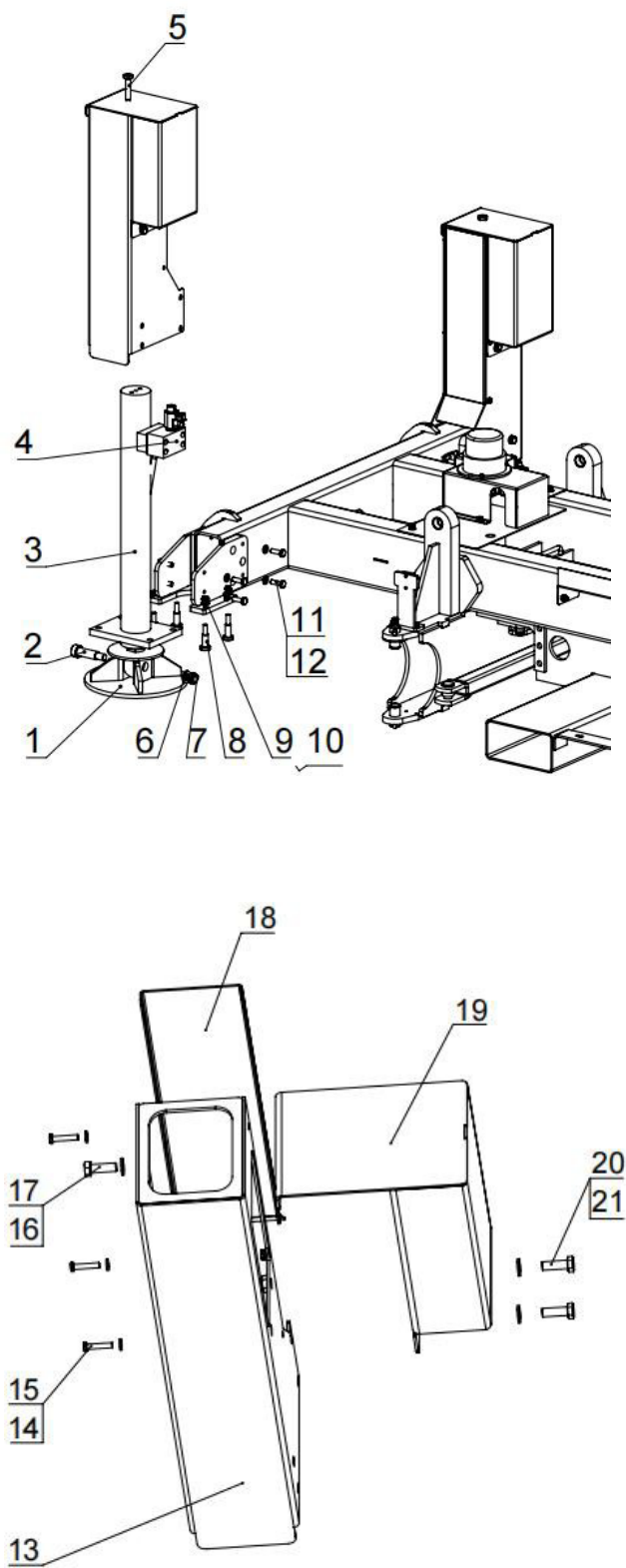
| ITEM | PART NO.  | NAME            | QTY |
|------|-----------|-----------------|-----|
| 1    | 150200400 | Transition disc | 1   |
| 2    | 150200401 | Yoke - right    | 1   |
| 3    | 150200402 | Motor           | 1   |
| 4    | 80110061  | Whell screw     | 6   |
| 5    | 80140027  | Washer          | 12  |
| 6    | 80130041  | Nut             | 6   |
| 7    | 150200588 | Right tyre      | 1   |
| 8    | 80110083  | Bolt            | 6   |

### 1.5 Right front & Left rear Outrigger assembly 150200295



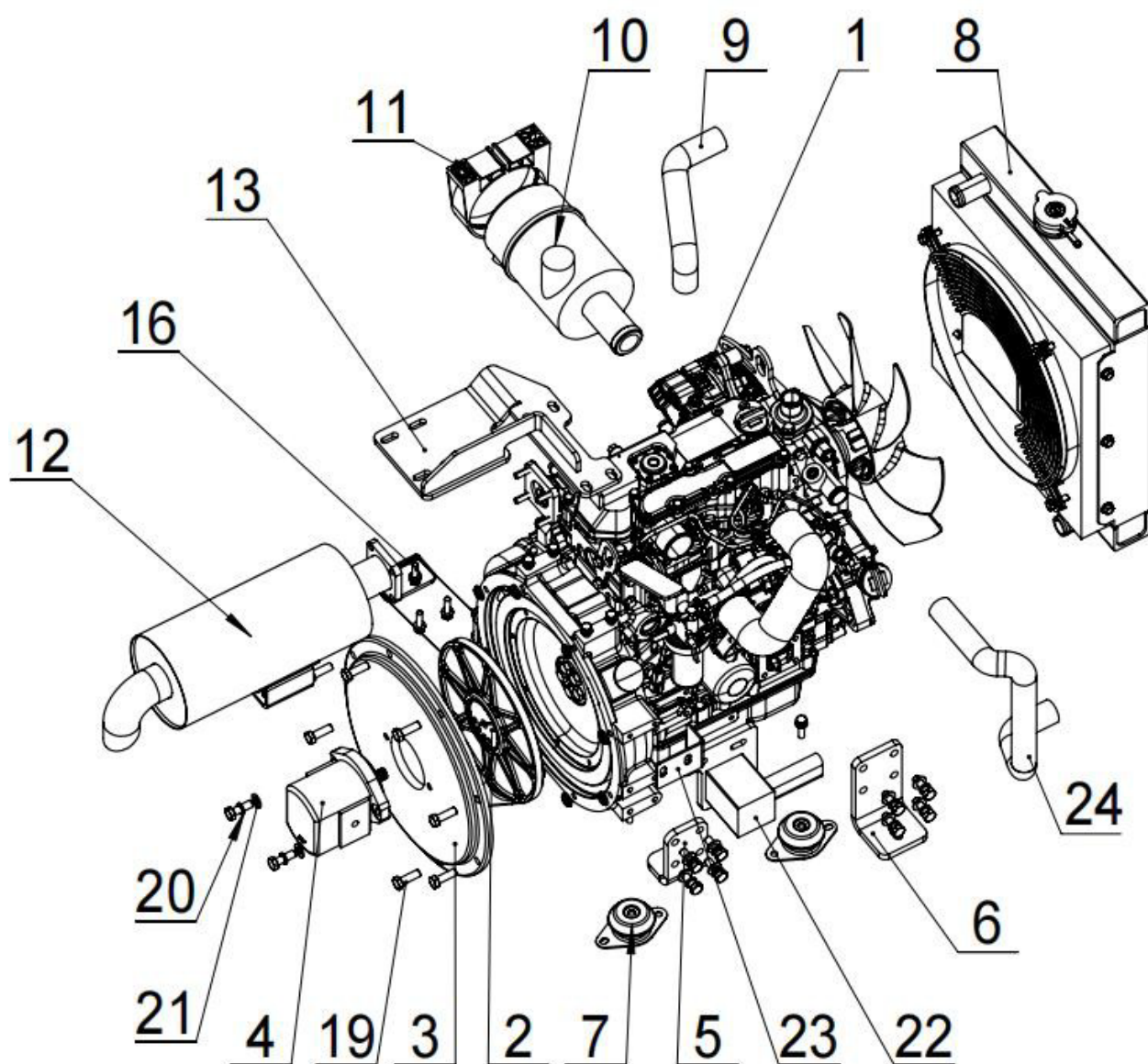
| ITEM | PART NO.    | NAME                              | QTY |
|------|-------------|-----------------------------------|-----|
| 1    | 150200377   | Outrigger cylinder mounting panel | 1   |
| 2    | 150200529   | Pin                               | 1   |
| 3    | 150200376   | Outrigger cylinder                | 1   |
| 3-1  | 150200376-1 | Outrigger cylinder Sealing kit    | 1   |
| 4    | 150200378   | Outrigger manifold                | 1   |
| 5    | 150200682   | Pin                               | 1   |
| 6    | 80140027    | Washer                            | 1   |
| 7    | 80130040    | Nut                               | 1   |
| 8    | 150200311   | Pin                               | 4   |
| 9    | 80140001    | Washer                            | 4   |
| 10   | 80130010    | Nut                               | 4   |
| 11   | 80110006    | Bolt                              | 8   |
| 12   | 80140001    | Washer                            | 8   |
| 13   | 150200321   | Side Panel 1                      | 1   |
| 14   | 80110042    | Bolt                              | 3   |
| 15   | 80140002    | Washer                            | 3   |
| 16   | 80140001    | Washer                            | 1   |
| 17   | 80110006    | Bolt                              | 1   |
| 18   | 150200317   | Side Panel 2                      | 1   |
| 19   | 150200634   | Cover plate                       | 1   |
| 20   | 80140001    | Washer                            | 2   |
| 21   | 80110006    | Bolt                              | 2   |

1.5 Left front & Right rear Outrigger assembly 150200294



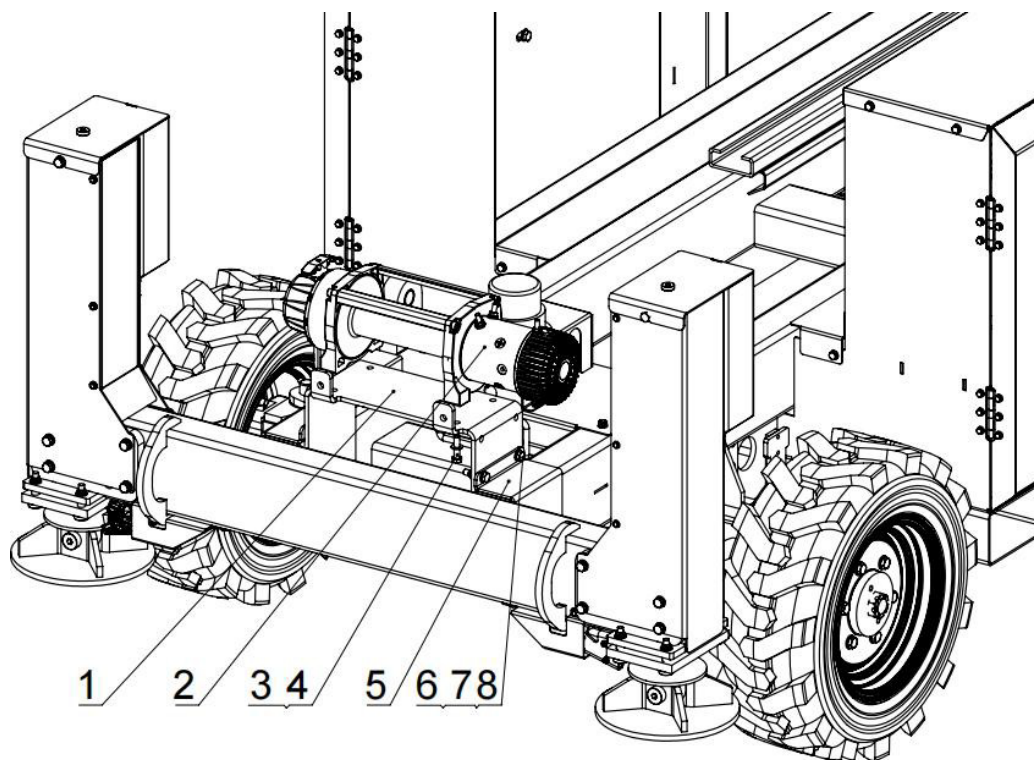
| ITEM | PART NO.    | NAME                              | QTY |
|------|-------------|-----------------------------------|-----|
| 1    | 150200377   | Outrigger cylinder mounting panel | 1   |
| 2    | 150200529   | Pin                               | 1   |
| 3    | 150200376   | Outrigger cylinder                | 1   |
| 3-1  | 150200376-1 | Outrigger cylinder Sealing kit    | 1   |
| 4    | 150200378   | Outrigger manifold                | 1   |
| 5    | 150200682   | Pin                               | 1   |
| 6    | 80140027    | Washer                            | 1   |
| 7    | 80130040    | Nut                               | 1   |
| 8    | 150200311   | Pin                               | 4   |
| 9    | 80140001    | Washer                            | 4   |
| 10   | 80130010    | Nut                               | 4   |
| 11   | 80110006    | Bolt                              | 8   |
| 12   | 80140001    | Washer                            | 8   |
| 13   | 150200604   | Side Panel 1                      | 1   |
| 14   | 80110042    | Bolt                              | 3   |
| 15   | 80140002    | Washer                            | 3   |
| 16   | 80140001    | Washer                            | 1   |
| 17   | 80110006    | Bolt                              | 1   |
| 18   | 150200317   | Side Panel 2                      | 1   |
| 19   | 150200634   | Cover plate                       | 1   |
| 20   | 80140001    | Washer                            | 2   |
| 21   | 80110006    | Bolt                              | 2   |

1.6 Engine assembly 150100200



| ITEM | PART NO.  | NAME                          | QTY |
|------|-----------|-------------------------------|-----|
| 1    | 150100201 | engine                        | 1   |
| 2    | 150100213 | coupling                      | 1   |
| 3    | 150100212 | Flywheel housing              | 1   |
| 4    | 150100211 | Gear pump                     | 1   |
| 5    | 150100202 | mounting plate 1              | 2   |
| 6    | 150100204 | mounting plate 2              | 2   |
| 7    | 150100221 | Shock pad                     | 5   |
| 8    | 150100214 | radiator                      | 1   |
| 9    | 150100205 | Engine outlet pipe            | 1   |
| 10   | 150100222 | Air filter                    | 1   |
| 11   | 150100223 | Air filter hoop               | 1   |
| 12   | 150100218 | muffler                       | 1   |
| 13   | 150100206 | Engine exhaust pipe           | 1   |
| 14   | 150100209 | Engine intake pipe            | 1   |
| 15   | 150100210 | mounting plate 3              | 1   |
| 16   | 80110051  | Bolt                          | 13  |
| 17   | 80140018  | Washer                        | 12  |
| 18   | 80150003  | Spring washer                 | 12  |
| 19   | 80110006  | Bolt                          | 26  |
| 20   | 80150006  | Spring washer                 | 26  |
| 21   | 80140001  | Washer                        | 26  |
| 22   | 150100224 | Start the flameout controller | 1   |
| 23   | 150100225 | mounting plate 4              | 1   |
| 24   | 150100226 | Engine inlet pipe             | 1   |

## 1.6 Winch assembly 150200290

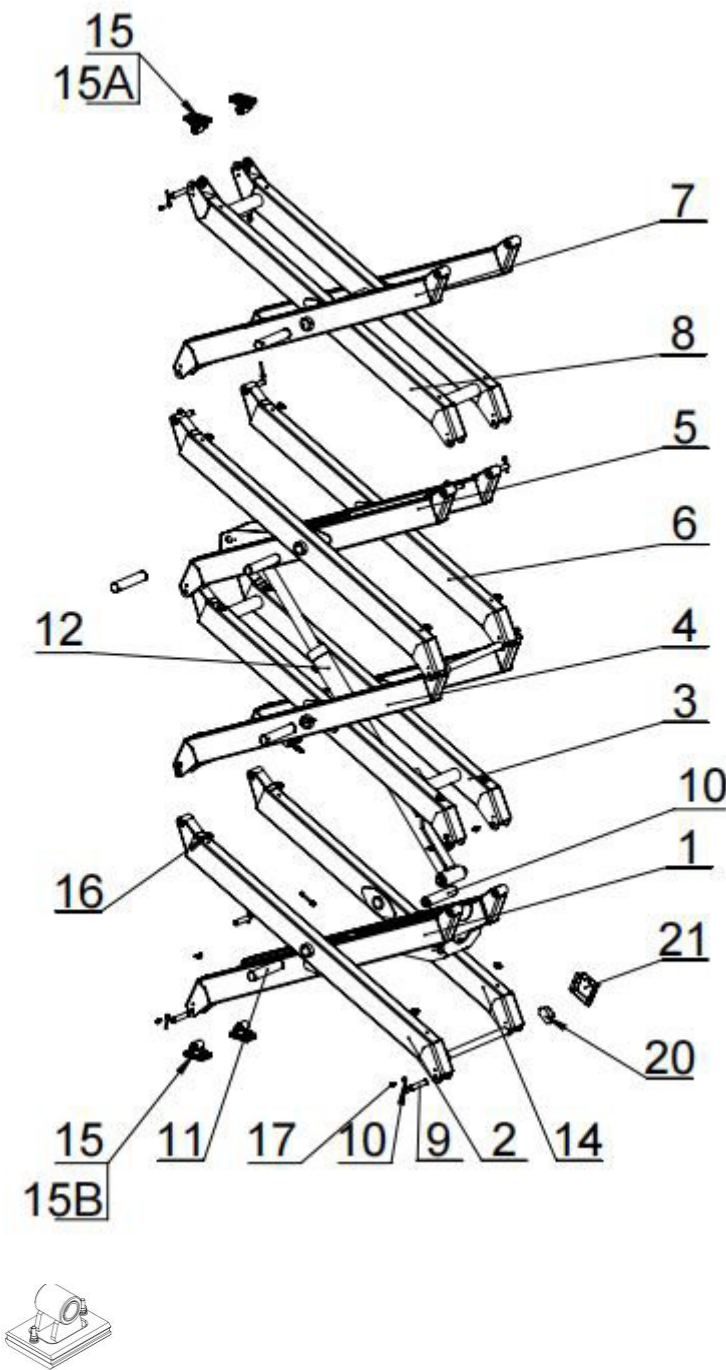


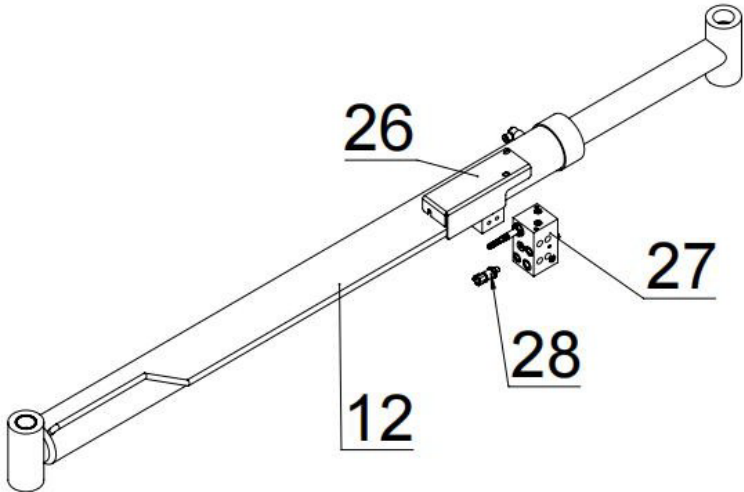
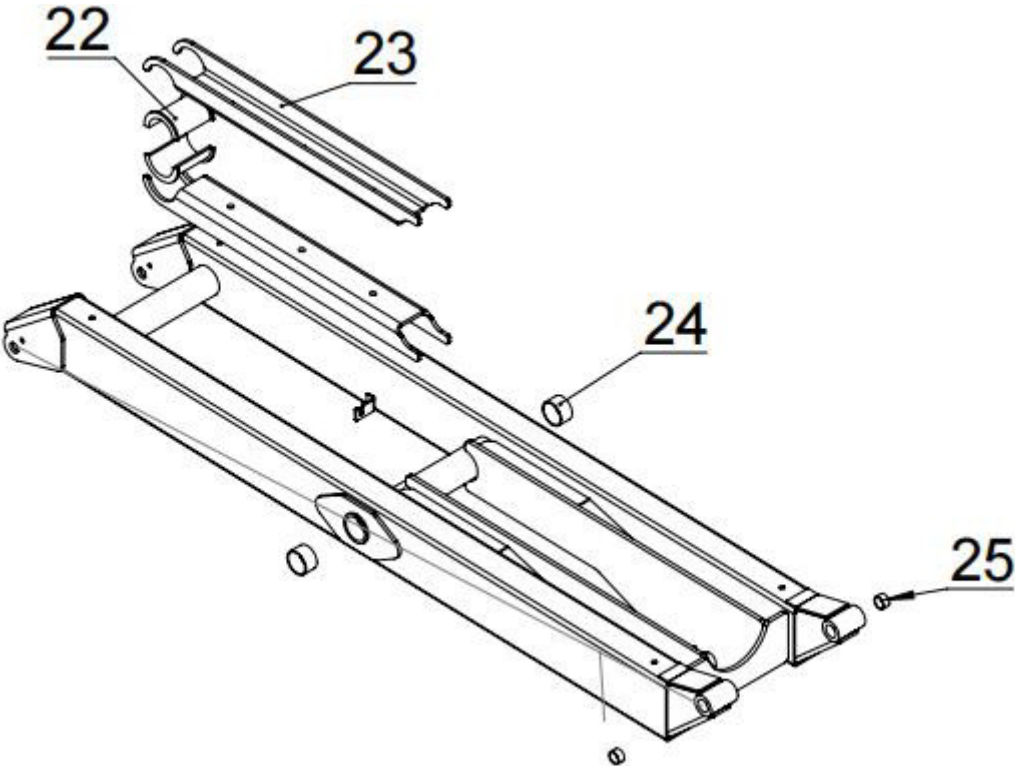
| ITEM | Part No   | Description            | QTY |
|------|-----------|------------------------|-----|
| 1    | 150200384 | winch Mounting panel 1 | 1   |
| 2    | 120600300 | winch                  | 1   |
| 3    | 80110006  | Bolt                   | 4   |
| 4    | 80140001  | Washer                 | 4   |
| 5    | 150200385 | winch Mounting panel 2 | 2   |
| 6    | 80110006  | Bolt                   | 8   |
| 7    | 80140001  | Washer                 | 16  |
| 8    | 80130010  | Nut                    | 8   |
| 9    | 150600301 | Remote control         | 1   |
| 10   | 150600302 | Wire controller        | 1   |

## Chapter2

# Scissors arms assembly

2.1 Scissors arms assembly for BS0814RT



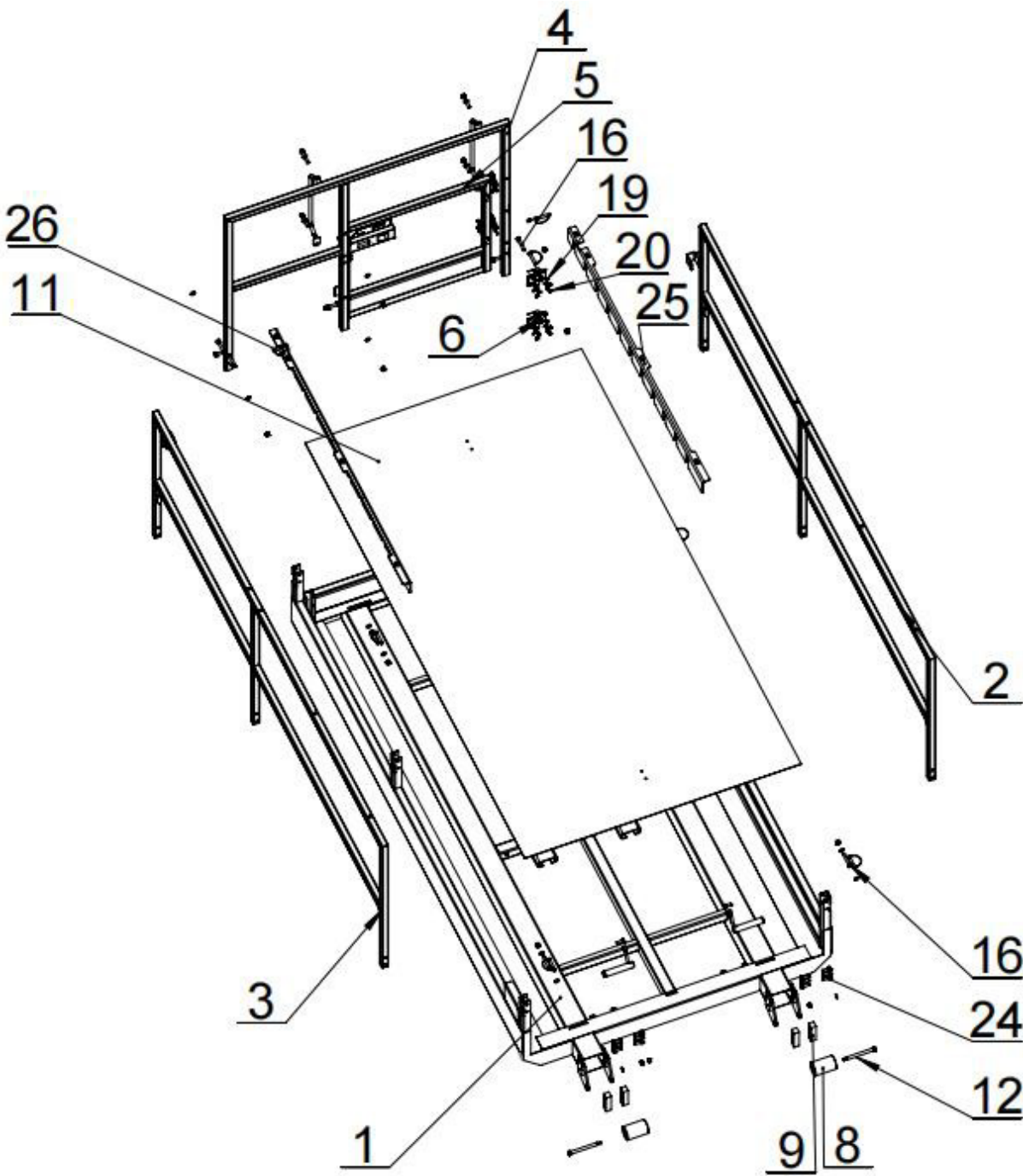


| ITEM | PART NO.    | NAME                                     | QTY |
|------|-------------|------------------------------------------|-----|
| 1    | 150300201   | Weldment of Inner scissors arms. #1      | 1   |
| 2    | 150300215   | Weldment of outer scissors arms. #1      | 1   |
| 3    | 150300203   | Weldment of Inner scissors arms. #2      | 1   |
| 4    | 150300204   | Weldment of outer scissors arms. #2      | 1   |
| 5    | 150300205   | Weldment of Inner scissors arms. #3      | 1   |
| 6    | 150300206   | Weldment of outer scissors arms. #3      | 1   |
| 7    | 150300207   | Weldment of outer scissors arms. #4      | 1   |
| 8    | 150300208   | Weldment of Inner scissors arms. #4      | 1   |
| 9    | 150300209   | Pin                                      | 18  |
| 10   | 150300210   | Rod end 10                               | 20  |
| 11   | 150300211   | Pin                                      | 6   |
| 12   | 150300262A  | Lift cylinder(SN01~13)                   | 1   |
| 12   | 150300262B  | Lift cylinder                            | 1   |
| 12-1 | 150300262-1 | Lift cylinder Sealing kit                | 1   |
| 13   | 150300212   | Pin                                      | 2   |
| 15A  | 150300250A  | Wear pad slide, upper platform (SN01~21) | 2   |
| 15B  | 150300250B  | Wear pad slide, upper chassis (SN01~21)  | 2   |
| 15   | 150300250   | Wear pad slide, upper                    | 4   |
| 16   | 150300214   | Pin                                      | 2   |
| 17   | 150300364   | cushion                                  | 24  |
| 18   | 80110014    | Bolt                                     | 19  |
| 19   | 80120038    | Bolt                                     | 8   |
| 20   | 80130007    | Nut                                      | 11  |
| 21   | 81030014    | Inclination sensor                       | 1   |
| 22   | 150300368   | Safety arm nylon                         | 2   |
| 23   | 150300359   | Safety arm plate                         | 2   |
| 24   | 150300357   | Bearing                                  | 8   |
| 25   | 150200606   | Bearing                                  | 28  |
| 26   | 120300129   | Emergency cover                          | 1   |
| 27   | 150300358A  | Lift manifold (SN01~13)                  | 1   |
| 27   | 150300358B  | Lift manifold                            | 1   |
| 28   | 120600020   | Pressure sensor                          | 1   |

# **Chapter3**

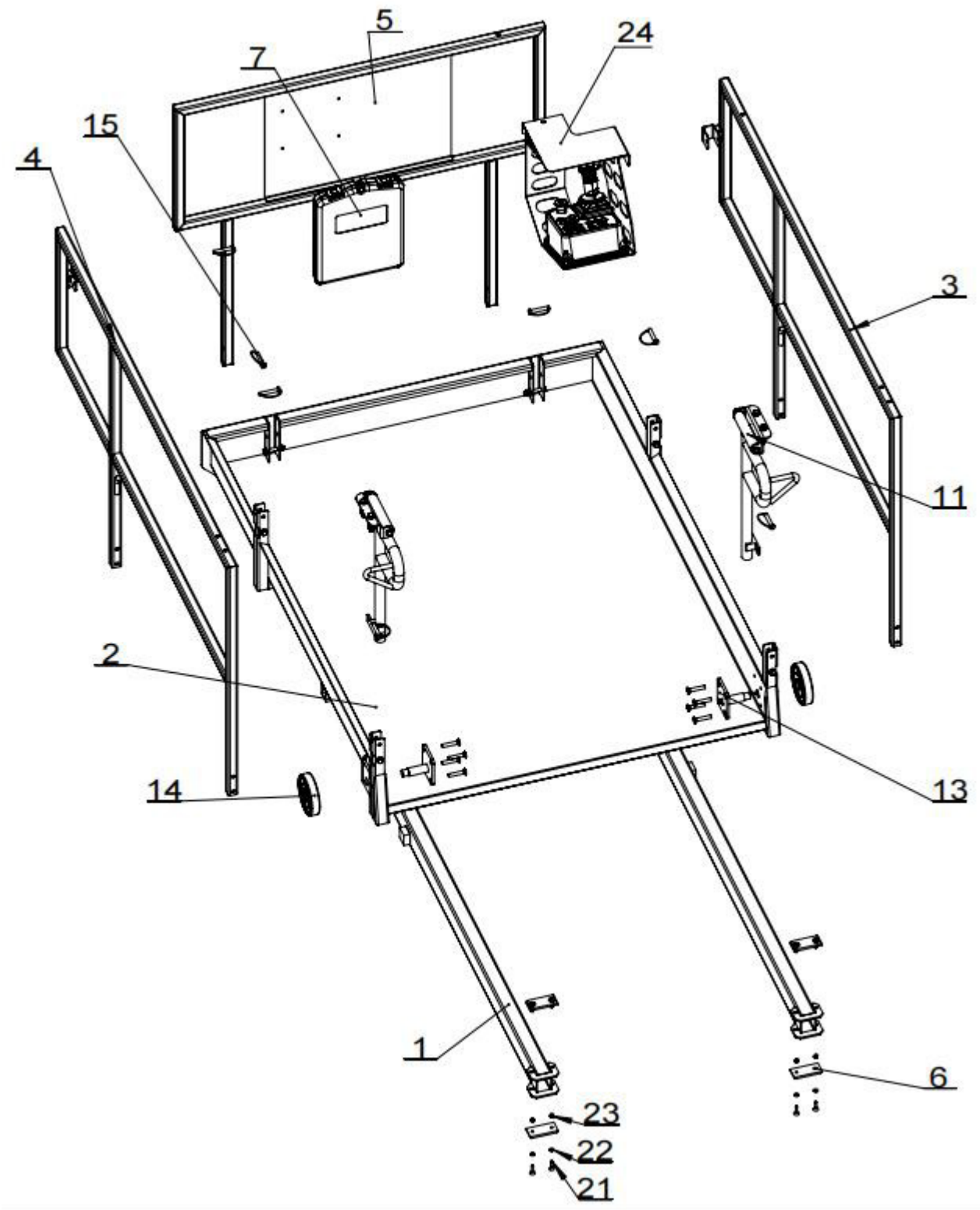
## **Platform Assembly**

3.1 Platform assembly 150500301



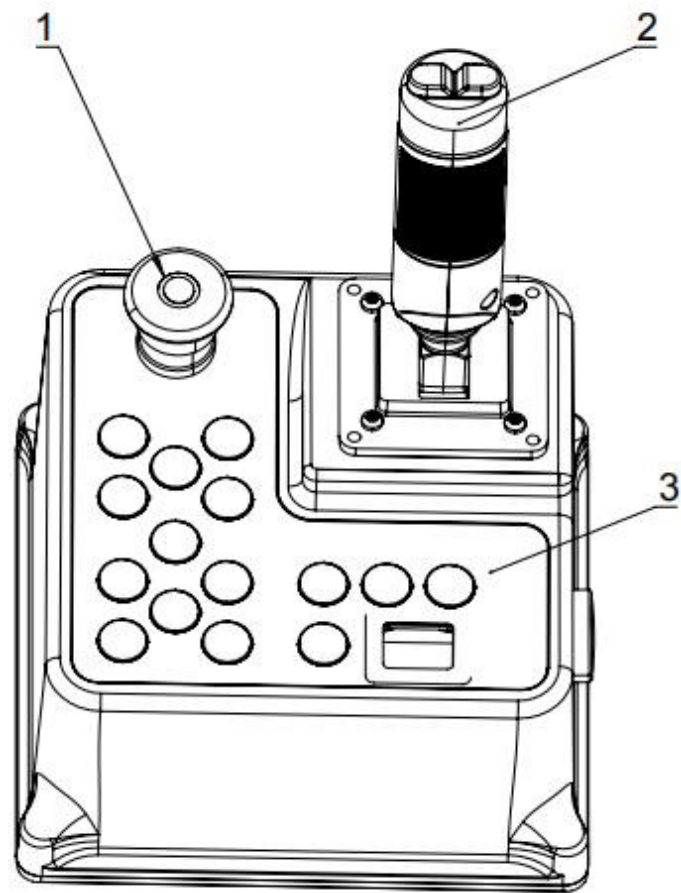
| ITEM | PART NO.  | NAME                                | QTY |
|------|-----------|-------------------------------------|-----|
| 1    | 150500303 | Main platform welding assembly      | 1   |
| 2    | 150500304 | Welded assembly left guardrail      | 1   |
| 3    | 150500305 | Welded assembly for right guardrail | 1   |
| 4    | 150500306 | Rear guardrail welded assembly      | 1   |
| 5    | 150500307 | Door guardrail welding assembly     | 1   |
| 6    | 81010035  | Heavy hinge                         | 2   |
| 7    | 150500308 | Handrail welding                    | 2   |
| 8    | 150500309 | roller                              | 2   |
| 9    | 150500310 | Locating block                      | 4   |
| 10   | 150500311 | Sliding door slider                 | 1   |
| 11   | 150500312 | platform aluminum plate             | 1   |
| 12   | 150500338 | Pin                                 | 2   |
| 13   | 150500469 | Pin                                 | 2   |
| 14   | 120300517 | Pin                                 | 2   |
| 15   | 80180022  | Safety pin                          | 8   |
| 16   | 80110079  | Bolt                                | 13  |
| 17   | 80130037  | Nut                                 | 13  |
| 18   | 80140001  | Washer                              | 43  |
| 19   | 80140002  | Washer                              | 24  |
| 20   | 80130002  | Nut                                 | 12  |
| 21   | 80110002  | Bolt                                | 12  |
| 22   | 80130010  | Nut                                 | 3   |
| 23   | 80110014  | Bolt                                | 2   |
| 24   | 80110006  | Bolt                                | 12  |
| 25   | 150500421 | Limit plate                         | 1   |
| 26   | 150500422 | Limit plate                         | 1   |

3.1 Extended platform installation 150500302



| ITEM | PART NO.    | NAME                                         | QTY |
|------|-------------|----------------------------------------------|-----|
| 1    | 150500436   | Bracket assembly                             | 1   |
| 2    | 150500347   | Welding assembly for sub-platform base frame | 1   |
| 3    | 150500348   | Welded assembly left guardrail               | 1   |
| 4    | 150500361   | Welded assembly for right guardrail          | 1   |
| 5    | 150500371   | Front guardrail welded assembly              | 1   |
| 6    | 150500377   | roller                                       | 4   |
| 7    | 150500378   | File box                                     | 1   |
| 8    | 150500379   | Pivot plate                                  | 2   |
| 9    | 150500380   | Handle retaining clamp                       | 2   |
| 10   | 150500390   | Left handle bracket assembly                 | 1   |
| 11   | 150500388   | Right handle bracket assembly                | 1   |
| 13   | 120500076-1 | Roller stand                                 | 2   |
| 14   | 120500117-1 | Roller assembly                              | 2   |
| 15   | 80180022    | Safety pin                                   | 8   |
| 16   | 80110079    | Bolt                                         | 12  |
| 17   | 80140001    | Washer                                       | 28  |
| 18   | 80130037    | Nut                                          | 14  |
| 19   | 80110074    | Bolt                                         | 2   |
| 20   | 80120054    | Bolt                                         | 8   |
| 21   | 80120076    | Bolt                                         | 8   |
| 22   | 80140002    | Washer                                       | 16  |
| 23   | 80130002    | Nut                                          | 8   |
| 24   | 150500438   | PCU bracket                                  | 1   |

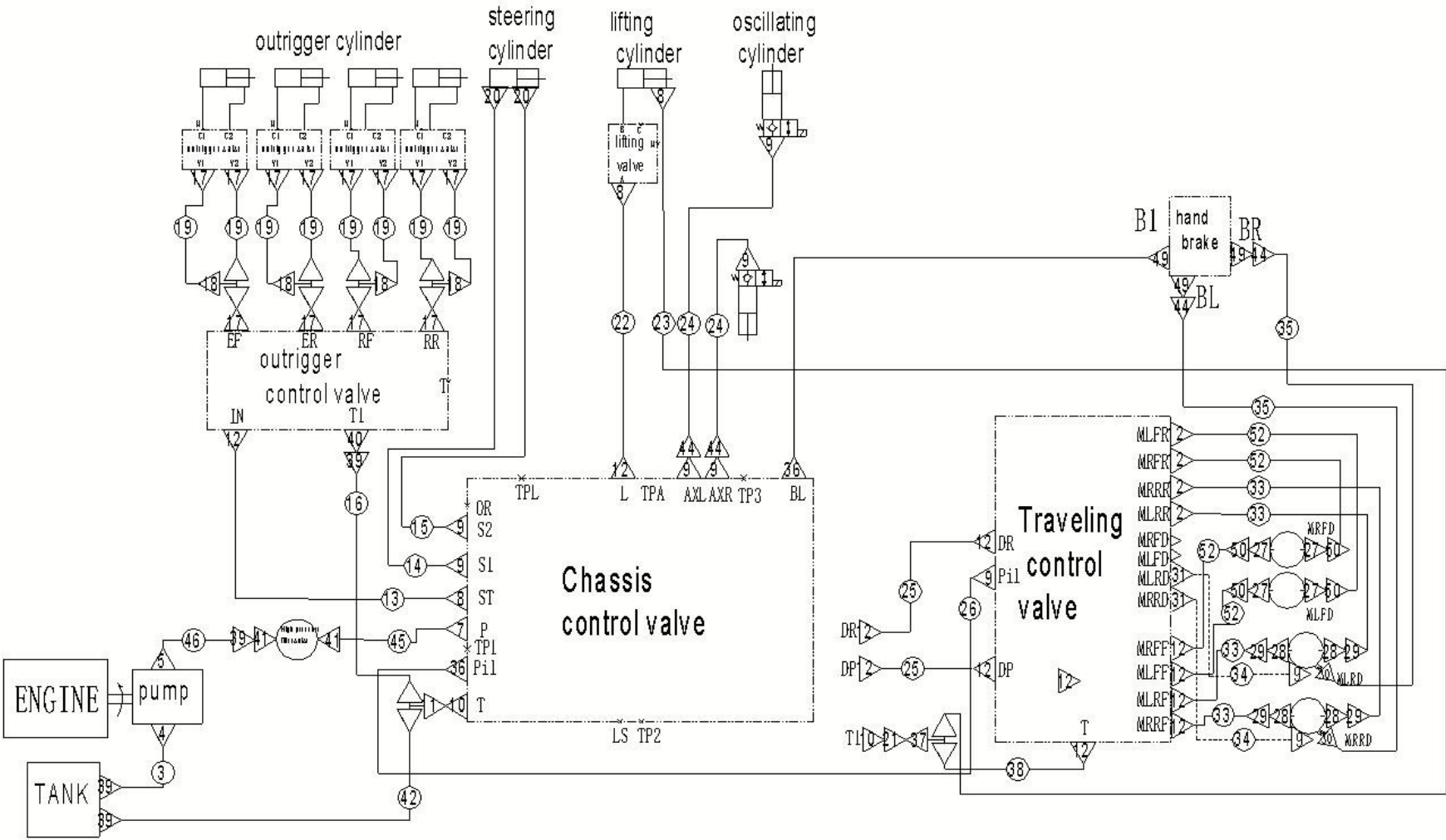
3.2 PCU 810300171



| ITEM | PART NO. | NAME                  | QTY |
|------|----------|-----------------------|-----|
| 1    | 81070002 | Emergency stop switch | 1   |
| 2    | 81050001 | Joystick-RT           | 1   |
| 3    | 81040082 | Decal-PCU             | 2   |

# **Chapter4**

## **Hydraulic System**



Hydraulic system

---

| ITEM | PART NO.  | NAME                             | QTY |
|------|-----------|----------------------------------|-----|
| 3    | 150700101 | 20411-30-12/20491-30-12/1SN/2100 | 1   |
| 4    | 81020303  | 1CO-30-12                        | 1   |
| 5    | 81020304  | 1CO-26-10                        | 1   |
| 6    | 150700102 | 20411-26-10/20491-26-10/2SN/2800 | 1   |
| 7    | 81020305  | 1CB-26-12WD                      | 1   |
| 8    | 81020306  | 1CB-18-04WD                      | 3   |
| 9    | 81020307  | 1CB-14-04WD                      | 11  |
| 10   | 81020308  | 1CB-30-16WD                      | 2   |
| 11   | 81020309  | CC-30                            | 1   |
| 12   | 81020310  | 1CB-18-06WD                      | 15  |
| 13   | 150700103 | 20411-18-06/20491-18-06/2SN/950  | 1   |
| 14   | 150700104 | 20411-14-04/20491-14-04/1SN/1550 | 1   |
| 15   | 150700105 | 20411-14-04/20491-14-04/1SN/1300 | 1   |
| 16   | 150700106 | 20411-30-12/20491-30-12/1SN/600  | 1   |
| 17   | 81020311  | 1CB-16-06WD                      | 12  |
| 18   | 81020312  | CC-16                            | 4   |
| 19   | 150700107 | 20411-16-06/20491-16-06/1SN/3300 | 8   |
| 20   | 81020313  | 1CM-14WD                         | 2   |
| 21   | 81020314  | 2C-18-30                         | 1   |
| 22   | 150700108 | 20411-18-06/20411-18-06/1SN/5800 | 1   |
| 23   | 150700109 | 20411-18-04/20491-18-04/1SN/5800 | 1   |
| 24   | 150700110 | 20411-14-04/20491-14-04/1SN/3000 | 2   |
| 25   | 150700111 | 20411-18-06/20491-18-06/2SN/500  | 2   |
| 26   | 150700112 | 20411-14-04/20491-14-04/1SN/1000 | 1   |
| 27   | 81020325  | 1CO-18-06                        | 4   |
| 28   | 81020316  | 1CI-22-08B                       | 4   |
| 29   | 81020317  | 2C-18-22                         | 4   |
| 30   | 81020318  | 1CO-14-04                        | 2   |
| 31   | 81020319  | 1CB-14-06WD                      | 2   |
| 33   | 150700114 | 20411-18-06/20441-18-06/2SN/1800 | 4   |
| 34   | 150700115 | 20411-14-04/20491-14-04/1SN/1900 | 2   |
| 35   | 150700116 | 20411-14-04/20491-14-04/1SN/3000 | 2   |
| 36   | 81020320  | 1CG9-14-04OG                     | 2   |
| 37   | 81020321  | CC-18                            | 1   |
| 38   | 150700117 | 20411-18-06/20491-18-06/1SN/550  | 1   |

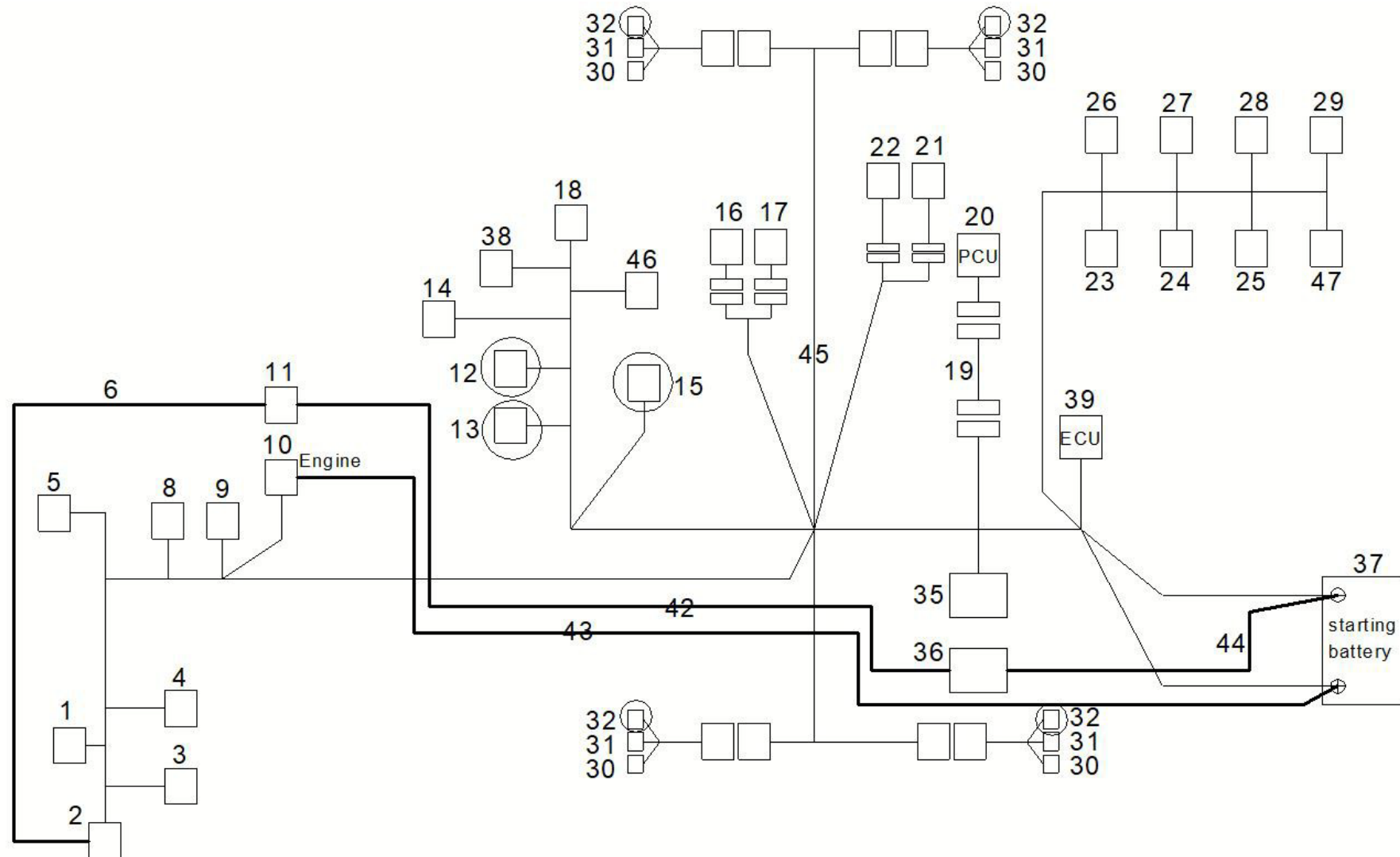
## Hydraulic system

|    |           |                                               |   |
|----|-----------|-----------------------------------------------|---|
| 39 | 81020322  | 2C9-30                                        | 5 |
| 40 | 81020323  | 1CB-30-06WD                                   | 1 |
| 41 | 81020324  | 1DM-30-33WD                                   | 2 |
| 42 | 150700118 | 20411-30-12/20411-30-12/1SN/2900              | 1 |
| 43 | 150700119 | 20411-30-12/20491-30-12/1SN/500               | 1 |
| 44 | 81020325  | 2C9-14                                        | 4 |
| 45 | 150700120 | 20411-26-10/20491-30-12/2SN/2200              | 1 |
| 46 | 150700121 | 20411-30-12/20491-26-10/2SN/3000              | 1 |
| 48 | 150700122 | 20411-14-04/20491-14-04/1SN/500               | 1 |
| 49 | 81020326  | 1C0-14-04                                     | 3 |
| 50 | 81020327  | 2C9-18                                        | 4 |
| 51 | 81020328  | 2C-18-18                                      | 2 |
| 52 | 150700113 | J20411-18-06TZ/J20491-18-06H80TZX6M4K-06X2500 | 2 |

## Chapter5

# Electric System

## 5.1 Electrical wiring diagram for BS0814RT



| ITEM | Part No    | Description                         | QTY |
|------|------------|-------------------------------------|-----|
| 1    | 150200710  | Preheat fuse                        | 1   |
| 2    | 150200711  | Generator                           | 1   |
| 3    | 150200712  | Piston heater                       | 1   |
| 4    | 81030244   | Throttle coil                       | 1   |
| 5    | 150200713  | Air charge temperature sensor       | 1   |
| 6    | 120600248  | Generator charging cable            | 1   |
| 8    | 150200715  | Oil-water separator                 | 1   |
| 9    | 150200716  | Fuel delivery pump                  | 1   |
| 10   | 150200717  | Engine                              | 1   |
| 11   | 150200718  | Starter                             | 1   |
| 12   | 150200608  | Chassis control manifold            | 1   |
| 13   | 150200609  | Traveling control manifold          | 1   |
| 14   | 81030111   | Horn                                | 1   |
| 15   | 150200611  | Oscillating manifold                | 1   |
| 16   | 120600020  | Pressure sensor                     | 1   |
| 17   | 120600019  | Angle sensor                        | 1   |
| 18   | 150200623  | Stroboscope lamp                    | 1   |
| 19   | 120600241  | 0814RT Flexible communication cable | 1   |
| 20   | 810300171  | PCU                                 | 1   |
| 21   | 120600259  | Down limit                          | 1   |
| 22   | 120600258  | Up limit                            | 1   |
| 23   | 81030247   | Throttle relay                      | 1   |
| 24   | 81030247   | Starting relay                      | 1   |
| 25   | 81030247   | Fuel pump relay                     | 1   |
| 26   | 120600252  | Ignition delay relay                | 1   |
| 27   | 81030247   | Ignition relay 1                    | 1   |
| 28   | 81030247   | Ignition relay 2                    | 1   |
| 29   | 81030248   | Contact, ICA125 12V                 | 1   |
| 30   | 120600252  | Retract limit                       | 1   |
| 31   | 120600253  | Reach limit                         | 1   |
| 32   | 150200378  | Outrigger valve                     | 1   |
| 35   | 81030014   | Tilt sensor                         | 1   |
| 36   | 81030095   | DC power switch                     | 1   |
| 37   | 150200641  | Starting battery                    | 1   |
| 38   | 150200610  | Outrigger control manifold          | 1   |
| 39   | 81030243   | ECU                                 | 1   |
| 42   | 120600246  | Battery cable, PO-STARTER           | 1   |
| 43   | 120600247  | Battery cable, BAT-GND              | 1   |
| 44   | 120600245  | Battery cable, BAT-PO               | 1   |
| 45   | 120600261A | 0814RT main cable (SN01~13)         | 1   |
| 45   | 120600261B | 0814RT main cable                   | 1   |
| 46   | 150200612  | Manual release valve                | 1   |
| 47   | 81030242   | Current overload protector 30A      | 1   |

**5.1 Winch Electrical wiring**

| ITEM | Part No   | Description                  | QTY |
|------|-----------|------------------------------|-----|
| 1    | 120600300 | winch                        | 1   |
| 2    | 120600301 | Battery to Air switch+       | 1   |
| 3    | 120600302 | Battery to Air switch-       | 1   |
| 4    | 120600303 | Air switch to Anderson plug+ | 1   |
| 5    | 120600304 | Air switch to Anderson plug- | 1   |
| 6    | 120600305 | Anderson plug to winch+      | 1   |
| 7    | 120600306 | Anderson plug to winch-      | 1   |