

# **TZPJ0608HD Scissor Lift Aerial Working Platform Parts Manual**

Model: TZPJ0608HD Scissor Lift Aerial Work Platform

TZCO  
Apr. 2024

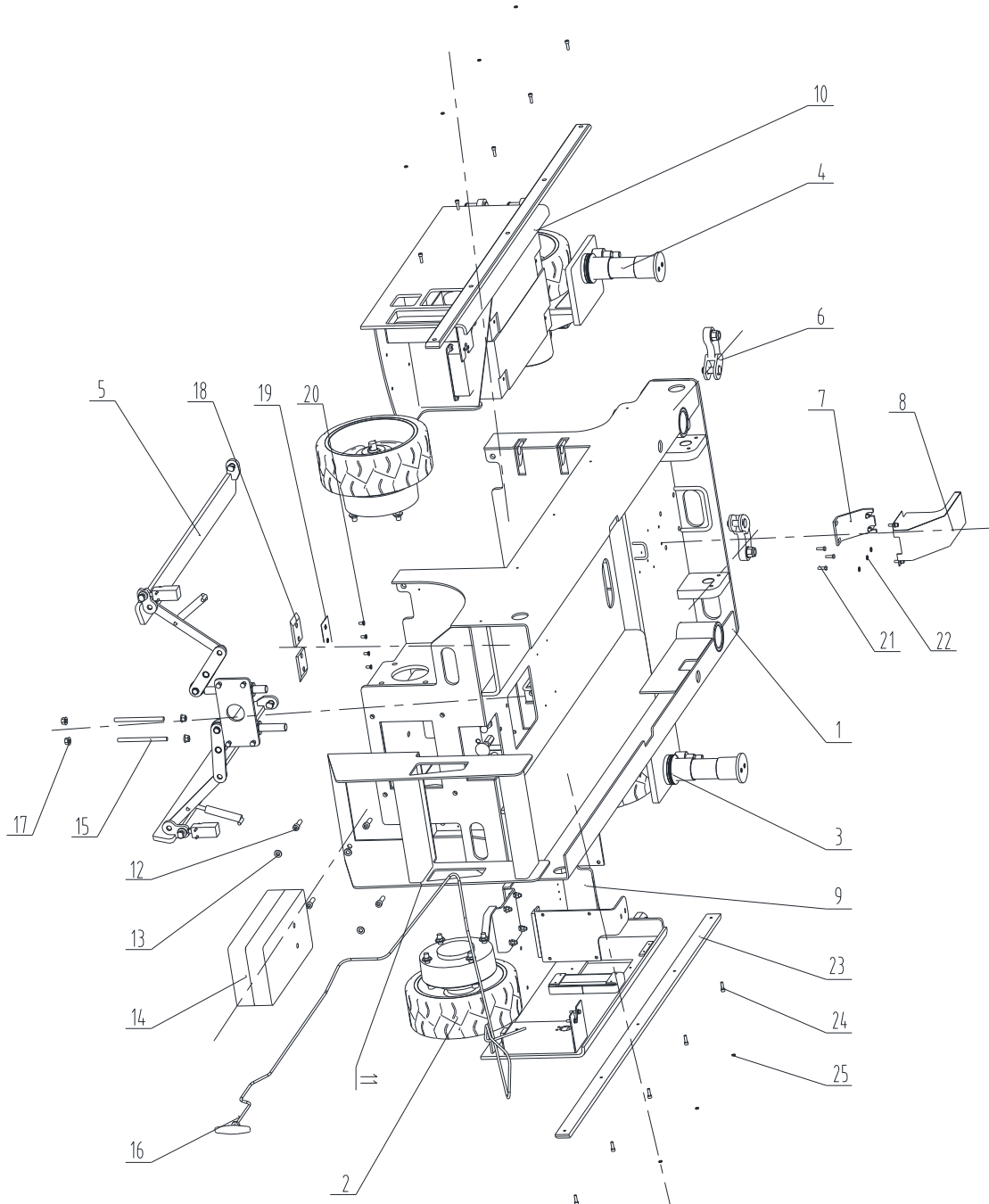
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# **1. Chassis**

## Chassis Components

(81082361)

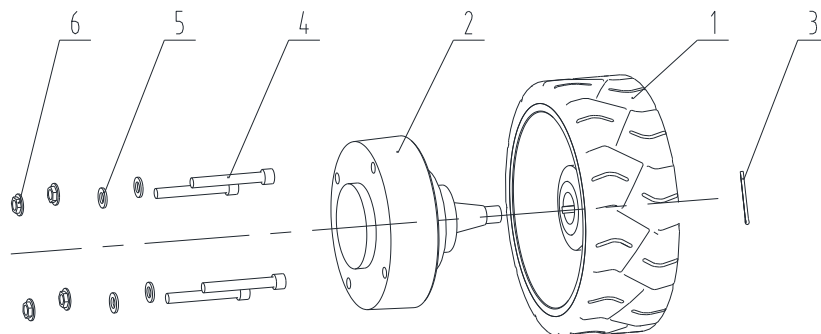


| Chassis Components<br>(81082361) |          |                              |      |
|----------------------------------|----------|------------------------------|------|
| No.                              | Part No. | Description                  | Qty. |
| 1                                | 81082405 | Main Chassis                 | 1    |
| 2                                | 81082403 | Rear Brake Components        | 2    |
| 3                                | 81082360 | Right Front Wheel Components | 1    |
| 4                                | 81082394 | Left Front Wheel Components  | 1    |
| 5                                | 81082383 | Pothole Protection Parts     | 1    |
| 6                                | 81082372 | Steering Parts               | 1    |
| 7                                | 80793964 | Proximity Switch Components  | 1    |
| 8                                | 81082376 | Protection Cover             | 1    |
| 9                                | 81082398 | Pump Station Box             | 1    |
| 10                               | 81082358 | Battery Box                  | 1    |
| 11                               | 80830206 | Ladder                       | 1    |
| 12                               | 80374487 | Bolt GB/T70.1-M10X35         | 4    |
| 13                               | 80364186 | Washer GB/T97.1-10           | 4    |
| 14                               | 80793834 | Plate                        | 2    |
| 15                               | 80730499 | Stud GB/T953-M10X140         | 2    |
| 16                               | 80902826 | 8m Emergency Wire            | 1    |

| Chassis Components<br>(81082361) |          |                      |      |
|----------------------------------|----------|----------------------|------|
| No.                              | Part No. | Description          | Qty. |
| 17                               | 80908788 | Screw GB/T6183.1-M10 | 4    |
| 18                               | 80833656 | Nylon                | 2    |
| 19                               | 80806611 | Plate                | 4    |
| 20                               | 80795088 | Bolt GB/T68-M6X14    | 4    |
| 21                               | 80307518 | Washer GB/T97.1-6    | 3    |
| 22                               | 80252569 | Bolt GB/T5783-M6X16  | 3    |
| 23                               | 80939463 | Bumper Strip         | 2    |
| 24                               | 80184694 | Bolt GB/T70.1-M6X20  | 10   |
| 25                               | 80184780 | Washer GB/T93-10     | 10   |
| 26                               | 81110223 | Plate                | 1    |

## Rear Brake Components

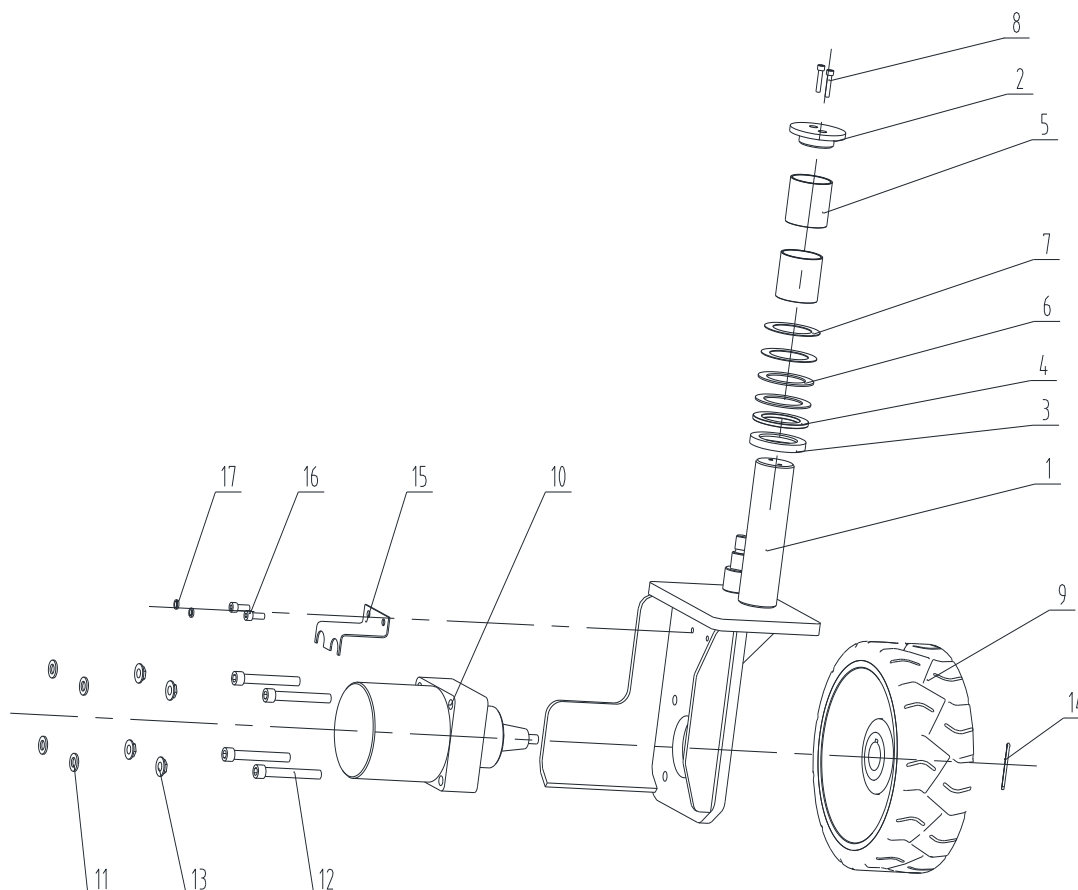
(81082403)



| Rear Brake Components<br>(81082403) |          |                      |      |
|-------------------------------------|----------|----------------------|------|
| No.                                 | Part No. | Description          | Qty. |
| 1                                   | 80824299 | Tire                 | 1    |
| 2                                   | 80789113 | Brake                | 1    |
| 3                                   | 80730484 | Pin GB/T91-4X56      | 1    |
| 4                                   | 80890267 | Bolt GB/T70.1-M12X90 | 4    |
| 5                                   | 80364185 | Washer GB/T97.1-12   | 4    |
| 6                                   | 80661529 | Screw GB/T6177.1-M12 | 4    |

## Right Front Wheel Components

(81082360)

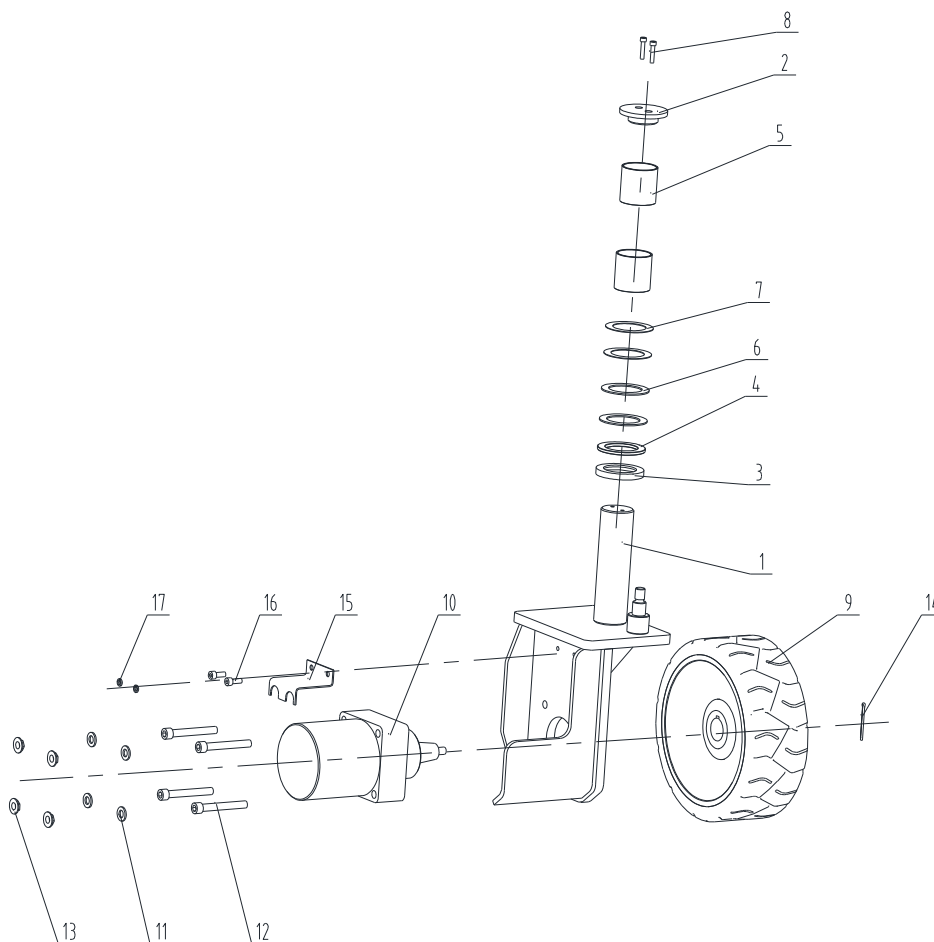


| Right Front Wheel Components<br>(81082360) |          |                            |      |
|--------------------------------------------|----------|----------------------------|------|
| No.                                        | Part No. | Description                | Qty. |
| 1                                          | 81082400 | Right Front Wheel Weldment | 1    |
| 2                                          | 81239428 | Shaft Cap                  | 1    |
| 3                                          | 80793977 | Welded Junction Pad        | 1    |
| 4                                          | 80794994 | Copper Pad                 | 1    |
| 5                                          | 80890814 | Composite Sleeve           | 2    |

| Right Front Wheel Components<br>(81082360) |          |                      |      |
|--------------------------------------------|----------|----------------------|------|
| No.                                        | Part No. | Description          | Qty. |
| 6                                          | 80793956 | Round Steel          | 2    |
| 7                                          | 80795038 | Adjustable Pad       | 2    |
| 8                                          | 80482440 | Bolt GB/T70.1-M6X30  | 2    |
| 9                                          | 80824299 | Tire                 | 1    |
| 10                                         | 80789112 | 300Motor             | 1    |
| 11                                         | 80364185 | Washer GB/T97.1-12   | 4    |
| 12                                         | 80890267 | Bolt GB/T70.1-M12X90 | 4    |
| 13                                         | 80661529 | Screw GB/T6177.1-M12 | 4    |
| 14                                         | 80730484 | Pin GB/T91-4X56      | 1    |
| 15                                         | 81082368 | Fixed Plate          | 1    |
| 16                                         | 80368047 | Bolt GB/T70.1-M8X20  | 2    |
| 17                                         | 80184778 | Washer GB/T93-8      | 2    |

## Left Front Wheel Components

(81082394)

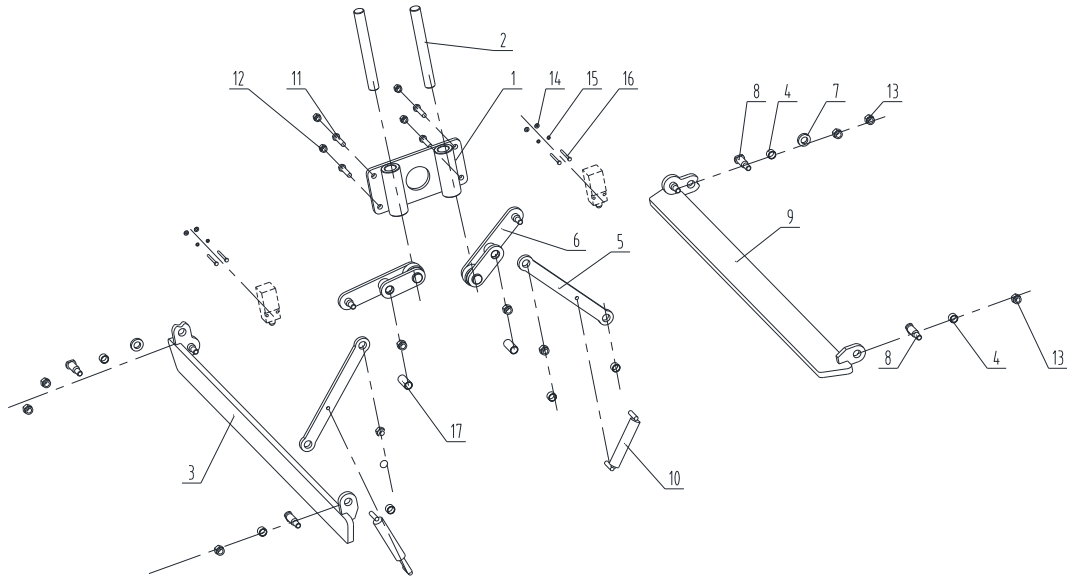


| Left Front Wheel Components<br>(81082394) |          |                           |      |
|-------------------------------------------|----------|---------------------------|------|
| No.                                       | Part No. | Description               | Qty. |
| 1                                         | 81082389 | Left Front Wheel Weldment | 1    |
| 2                                         | 81239428 | Shaft Cap                 | 1    |
| 3                                         | 80793977 | Welded Junction Pad       | 1    |
| 4                                         | 80794994 | Copper Pad                | 1    |

| Left Front Wheel Components<br>(81082394) |          |                      |      |
|-------------------------------------------|----------|----------------------|------|
| No.                                       | Part No. | Description          | Qty. |
| 5                                         | 80890814 | Composite Sleeve     | 2    |
| 6                                         | 80793956 | Round Steel          | 2    |
| 7                                         | 80795038 | Adjustable Pad       | 2    |
| 8                                         | 80482440 | Bolt GB/T70.1-M6X30  | 2    |
| 9                                         | 80824299 | Tire                 | 1    |
| 10                                        | 80789112 | 300 Motor            | 1    |
| 11                                        | 80364185 | Washer GB/T97.1-12   | 4    |
| 12                                        | 80890267 | Bolt GB/T70.1-M12X90 | 4    |
| 13                                        | 80661529 | Screw GB/T6177.1-M12 | 4    |
| 14                                        | 80730484 | Pin GB/T91-4X56      | 1    |
| 15                                        | 81082368 | Fixed Plate          | 1    |
| 16                                        | 80368047 | Bolt GB/T70.1-M8X20  | 2    |
| 17                                        | 80184778 | Washer GB/T93-8      | 2    |

## Pothole Protection Parts

(81082383)

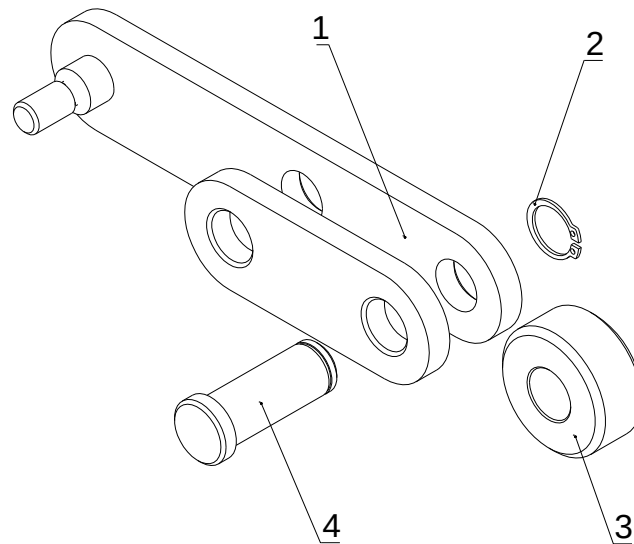


| Pothole Protection Parts<br>(81082383) |          |                          |      |
|----------------------------------------|----------|--------------------------|------|
| No.                                    | Part No. | Description              | Qty. |
| 1                                      | 80830199 | Shaft Housing Bracket    | 1    |
| 2                                      | 81082364 | Shaft                    | 2    |
| 3                                      | 80830053 | Pothole Protection Plate | 1    |
| 4                                      | 81082916 | Composite Sleeve 1       | 8    |
| 5                                      | 80830058 | Pothole Plate            | 2    |
| 6                                      | 80830082 | Pothole Rocker Arm       | 2    |
| 7                                      | 80830084 | Plate                    | 2    |

| Pothole Protection Parts<br>(81082383) |          |                             |      |
|----------------------------------------|----------|-----------------------------|------|
| No.                                    | Part No. | Description                 | Qty. |
| 8                                      | 80833523 | Pothole Installation Bolt 1 | 4    |
| 9                                      | 80830064 | Pothole Protection Plate    | 1    |
| 10                                     | 80748698 | Gas Spring                  | 2    |
| 11                                     | 80375228 | Bolt GB/T5783-M8X35         | 4    |
| 12                                     | 80320439 | Screw GB/T889.1-M8          | 4    |
| 13                                     | 80375948 | Screw GB/T889.1-M10         | 10   |
| 14                                     | 80370176 | Washer GB/T97.1-4           | 4    |
| 15                                     | 80184775 | Washer GB/T93-4             | 4    |
| 16                                     | 80741910 | Bolt GB/T5783-M4X40         | 4    |
| 17                                     | 81082914 | Composite Sleeve 2          | 2    |

## Pothole Rocker Arm

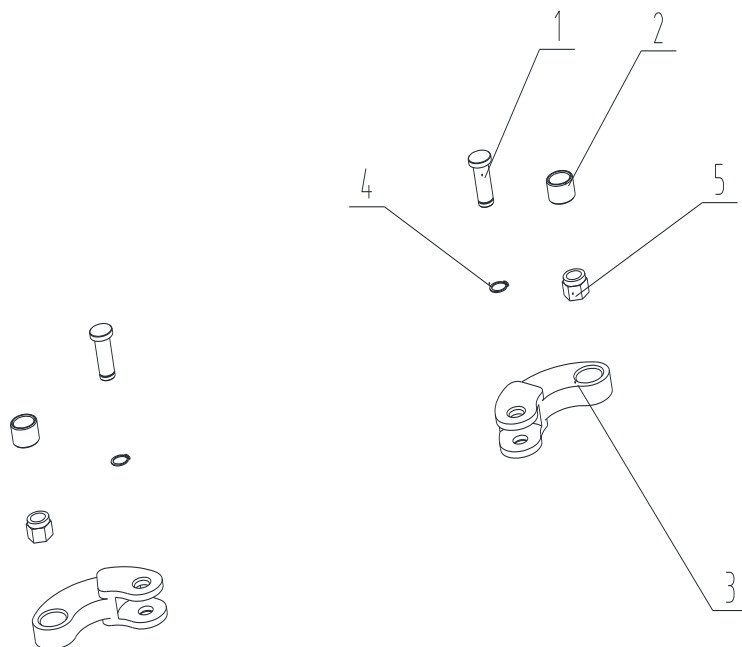
(80830082)



| Pothole Rocker Arm<br>(80830082) |          |                      |      |
|----------------------------------|----------|----------------------|------|
| No.                              | Part No. | Description          | Qty. |
| 1                                | 80830059 | Rocker Arm           | 1    |
| 2                                | 80736154 | Ring GB/T894-16      | 1    |
| 3                                | 80833657 | Wheel                | 1    |
| 4                                | 80830062 | Pothole Roller Shaft | 1    |

## Steering Parts

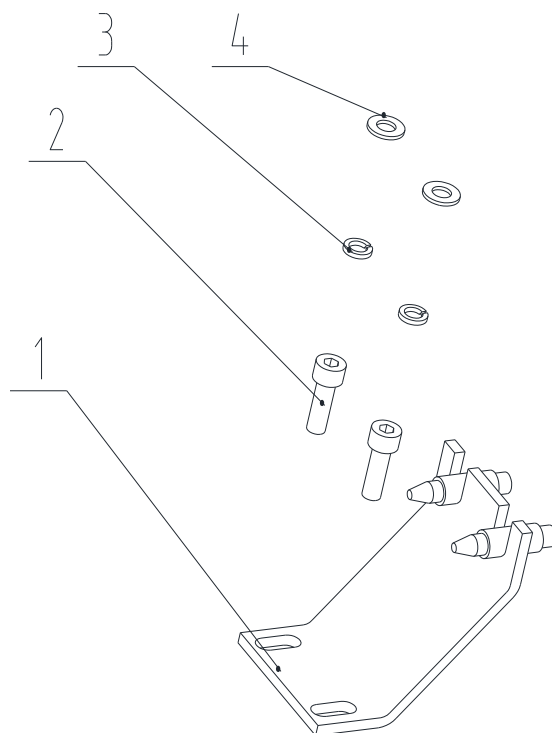
(81082372)



| Steering Parts<br>(81082372) |          |                        |      |
|------------------------------|----------|------------------------|------|
| No.                          | Part No. | Description            | Qty. |
| 1                            | 80830066 | Hydraulic Cylinder Pin | 2    |
| 2                            | 81082915 | Composite Sleeve       | 2    |
| 3                            | 80830068 | Steering Rocker Arm    | 2    |
| 4                            | 80736154 | Ring GB/T894-16        | 2    |
| 5                            | 80320437 | Screw GB/T889.1-M16    | 2    |

## Proximity Switch Components

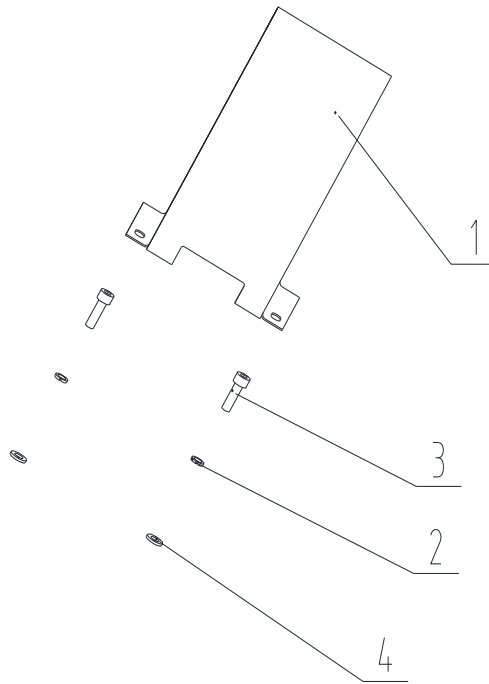
(80793964)



| Proximity Switch Components<br>(80793964) |          |                     |      |
|-------------------------------------------|----------|---------------------|------|
| No.                                       | Part No. | Description         | Qty. |
| 1                                         | 80793856 | Plate               | 1    |
| 2                                         | 80184695 | Bolt GB/T70.1-M8X25 | 2    |
| 3                                         | 80184778 | Washer GB/T93-8     | 2    |
| 4                                         | 80307520 | Washer GB/T97.1-8   | 2    |

## Protection Cover

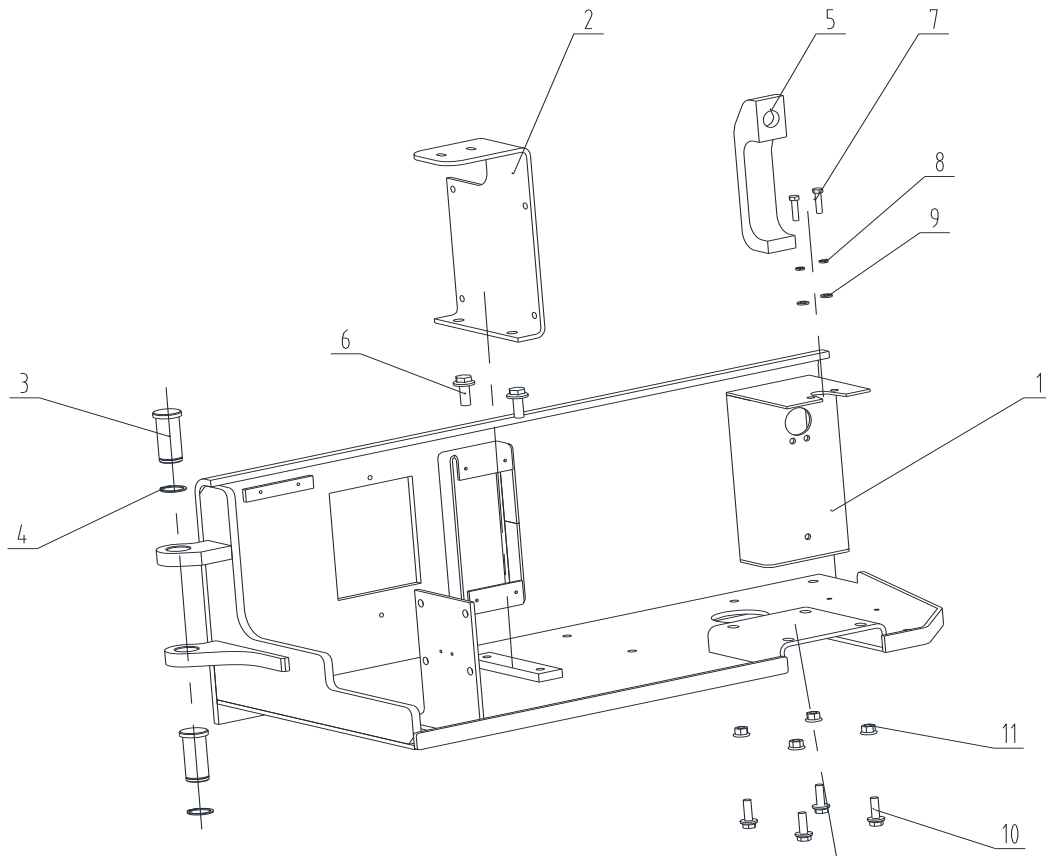
(81082376)



| Protection Cover<br>(81082376) |          |                           |      |
|--------------------------------|----------|---------------------------|------|
| No.                            | Part No. | Description               | Qty. |
| 1                              | 81082390 | Protection Cover Weldment | 1    |
| 2                              | 80184780 | Washer GB/T93-6           | 2    |
| 3                              | 80184694 | Bolt GB/T70.1-M6X20       | 2    |
| 4                              | 80307518 | Washer GB/T97.1-6         | 2    |

## Pump Station Box

(81082398)

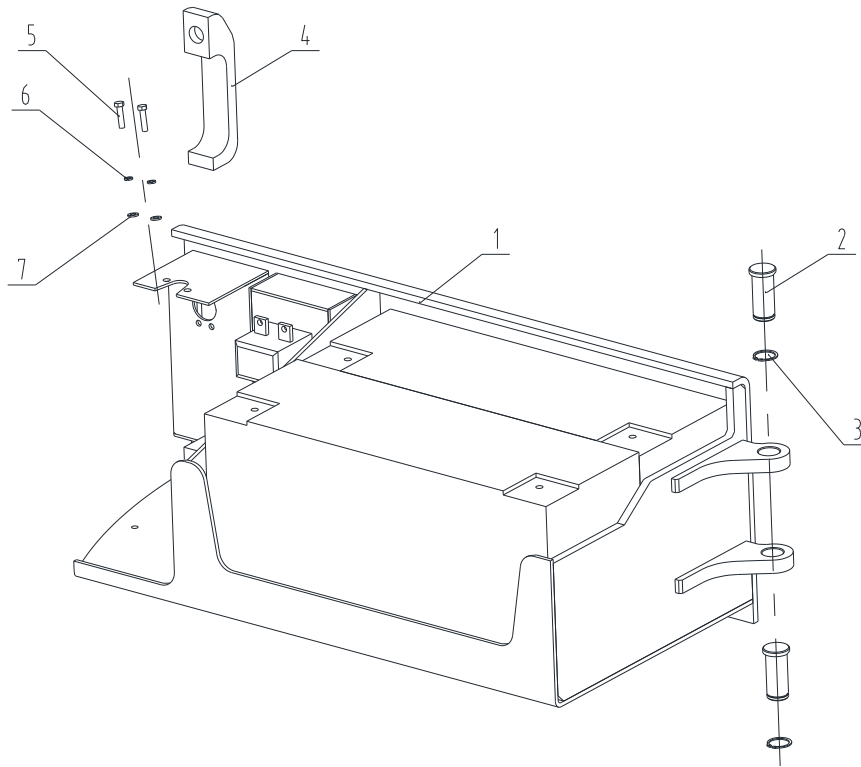


| Pump Station Box<br>(81082398) |          |                           |      |
|--------------------------------|----------|---------------------------|------|
| No.                            | Part No. | Description               | Qty. |
| 1                              | 81082367 | Pump Station Box Weldment | 1    |
| 2                              | 81082396 | Plate                     | 1    |
| 3                              | 80793975 | Box Shaft Pin             | 2    |
| 4                              | 80730481 | Ring                      | 2    |

| Pump Station Box<br>(81082398) |          |                      |      |
|--------------------------------|----------|----------------------|------|
| No.                            | Part No. | Description          | Qty. |
| 5                              |          | Right Box Pin Parts  | 1    |
| 6                              | 80703933 | Bolt GB/T5789-M10X20 | 2    |
| 7                              | 80252571 | Bolt GB/T5783-M6X25  | 2    |
| 8                              | 80184780 | Washer GB/T93-6      | 2    |
| 9                              | 80307518 | Washer GB/T97.1-6    | 2    |
| 10                             | 80661381 | Bolt GB/T5789-M8X25  | 4    |
| 11                             | 80730464 | Screw GB/T6187.1-M8  | 4    |

## Battery Box

(81082358)



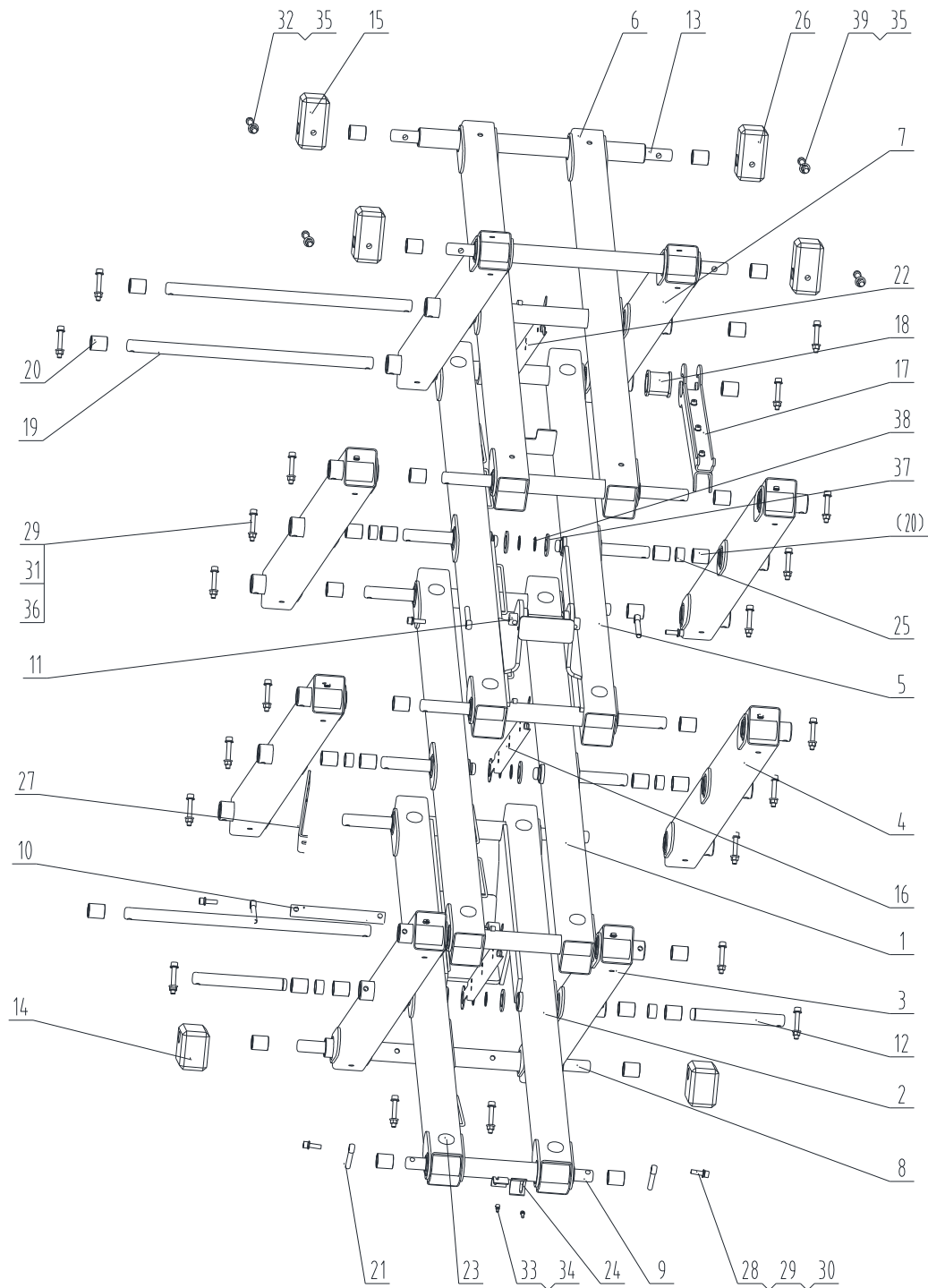
| Battery Box<br>(81082358) |          |                      |      |
|---------------------------|----------|----------------------|------|
| No.                       | Part No. | Description          | Qty. |
| 1                         | 81082402 | Battery Box Weldment | 1    |
| 2                         | 80793975 | Box Shaft Pin        | 2    |
| 3                         | 80730481 | Ring GB/T894-24      | 2    |
| 4                         |          | Left Box Lock Parts  | 1    |
| 5                         | 80184780 | Washer GB/T93-6      | 2    |
| 6                         | 80307518 | Washer GB/T97.1-6    | 2    |

| Battery Box<br>(81082358) |          |                     |      |
|---------------------------|----------|---------------------|------|
| No.                       | Part No. | Description         | Qty. |
| 7                         | 80252571 | Bolt GB/T5783-M6X25 | 2    |

## **2. Scissor Components**

# Scissor Components

(81082385)



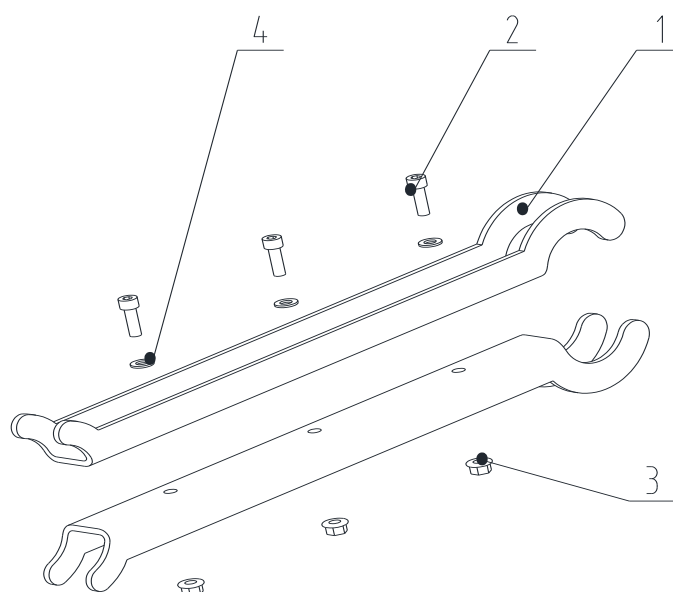
| Scissor Components<br>(81082385) |          |                              |      |
|----------------------------------|----------|------------------------------|------|
| No.                              | Part No. | Description                  | Qty. |
| 1                                | 80830036 | Inside Scissor Components 2  | 1    |
| 2                                | 81082381 | Inside Scissor Components 1  | 1    |
| 3                                | 81082370 | Outside Scissor Components 1 | 1    |
| 4                                | 80830209 | Outside Scissor Components 2 | 4    |
| 5                                | 80830182 | Inside Scissor Components 4  | 1    |
| 6                                | 80830047 | Inside Scissor Components 4  | 1    |
| 7                                | 80830057 | Outside Scissor Components 4 | 1    |
| 8                                | 80830063 | Scissor Pin 1                | 1    |
| 9                                | 80830185 | Scissor Pin 2                | 1    |
| 10                               | 80830049 | Hydraulic Cylinder Pin 1     | 1    |
| 11                               | 80830041 | Hydraulic Cylinder Pin 2     | 1    |
| 12                               | 80830042 | Scissor Pin 3                | 6    |
| 13                               | 80830043 | Platform Bottom Pin          | 2    |
| 14                               | 81082918 | Lower Sliding Block          | 2    |
| 15                               | 81082917 | Upper Sliding Block          | 2    |
| 16                               | 80830044 | Plate                        | 2    |

| Scissor Components<br>(81082385) |          |                                  |      |
|----------------------------------|----------|----------------------------------|------|
| No.                              | Part No. | Description                      | Qty. |
| 17                               | 80830045 | Maintenance Support Parts        | 1    |
| 18                               | 80833653 | Maintenance Support Sleeve       | 2    |
| 19                               | 80830186 | Scissor Pin 4                    | 7    |
| 20                               | 80833554 | Self-lubricating Sleeve          | 34   |
| 21                               | 80833652 | Articulated Pin                  | 6    |
| 22                               | 80830187 | Plate                            | 1    |
| 23                               | 80833663 | Pad                              | 24   |
| 24                               | 80930722 | Proximity Switch Detection Plate | 2    |
| 25                               | 80939464 | Nylon Sleeve                     | 6    |
| 26                               | 81107211 | Upper Sliding Block              | 2    |
| 27                               | 81082378 | Plate                            | 1    |
| 28                               | 80374487 | Bolt GB/T70.1-M10X35             | 6    |
| 29                               | 80364186 | Washer GB/T97.1-10               | 28   |
| 30                               | 80184769 | Washer GB/T93-10                 | 6    |
| 31                               | 80833429 | Bolt GB/T70.1-M10X70             | 22   |
| 32                               | 80375854 | Bolt GB/T70.1-M12X120            | 2    |

| Scissor Components<br>(81082385) |          |                      |      |
|----------------------------------|----------|----------------------|------|
| No.                              | Part No. | Description          | Qty. |
| 33                               | 80375860 | Bolt GB/T70.1-M6X12  | 6    |
| 34                               | 80184780 | Washer GB/T93-6      | 6    |
| 35                               | 80908787 | Screw GB/T6183.1-M12 | 4    |
| 36                               | 80908788 | Screw GB/T6183.1-M10 | 22   |
| 37                               | 80489443 | Ring GB/T95-30       | 4    |
| 38                               | 80711432 | Ring GB/T894-30      | 6    |
| 39                               | 80315833 | Bolt TZB804-M12X140  | 2    |

## Maintenance Support Rod

(80830045)

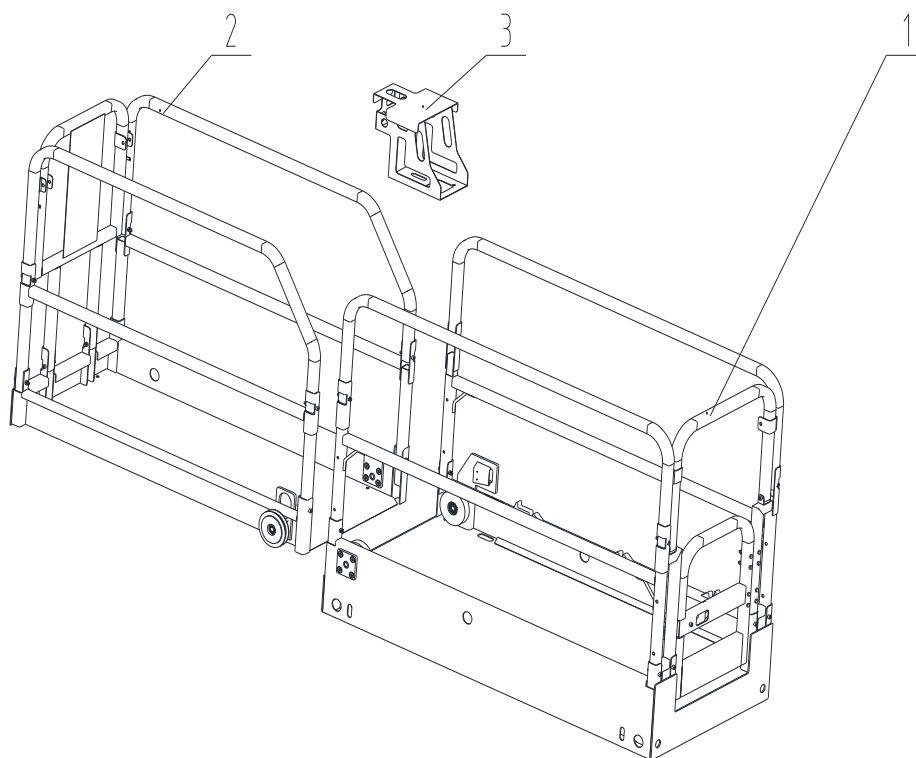


| Maintenance Support Rod<br>(80830045) |          |                     |      |
|---------------------------------------|----------|---------------------|------|
| No.                                   | Part No. | Description         | Qty. |
| 1                                     | 80830046 | Plate               | 2    |
| 2                                     | 80184695 | Bolt GB/T70.1-M8X25 | 3    |
| 3                                     | 80730464 | Screw GB/T6187.1-M8 | 3    |
| 4                                     | 80307520 | Washer GB/T97.1-8   | 3    |

### **3. Platform Components**

## Platform Components

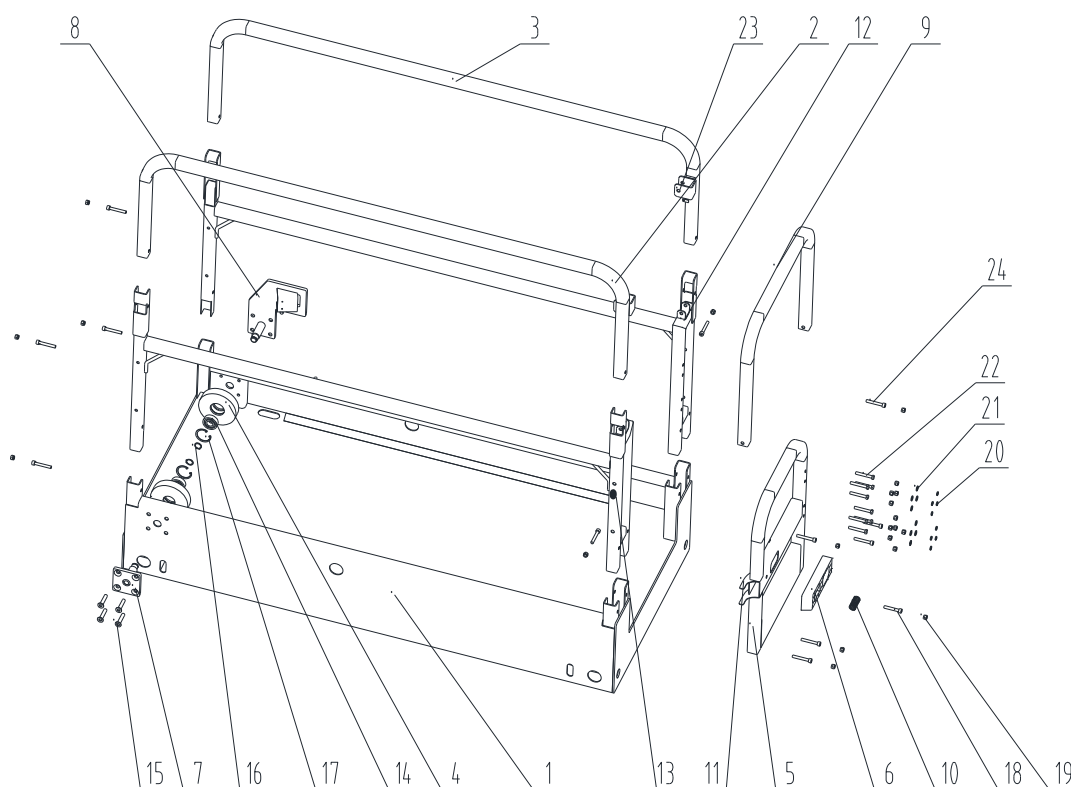
(81082446)



| Platform Components<br>(81082446) |          |                            |      |
|-----------------------------------|----------|----------------------------|------|
| No.                               | Part No. | Description                | Qty. |
| 1                                 | 81082451 | Fixed Platform Assembly    | 1    |
| 2                                 | 81082462 | Extended Platform Assembly | 1    |
| 3                                 | 80793659 | Upper Control Box          | 1    |

## Fixed Platform Assembly

(81082451)



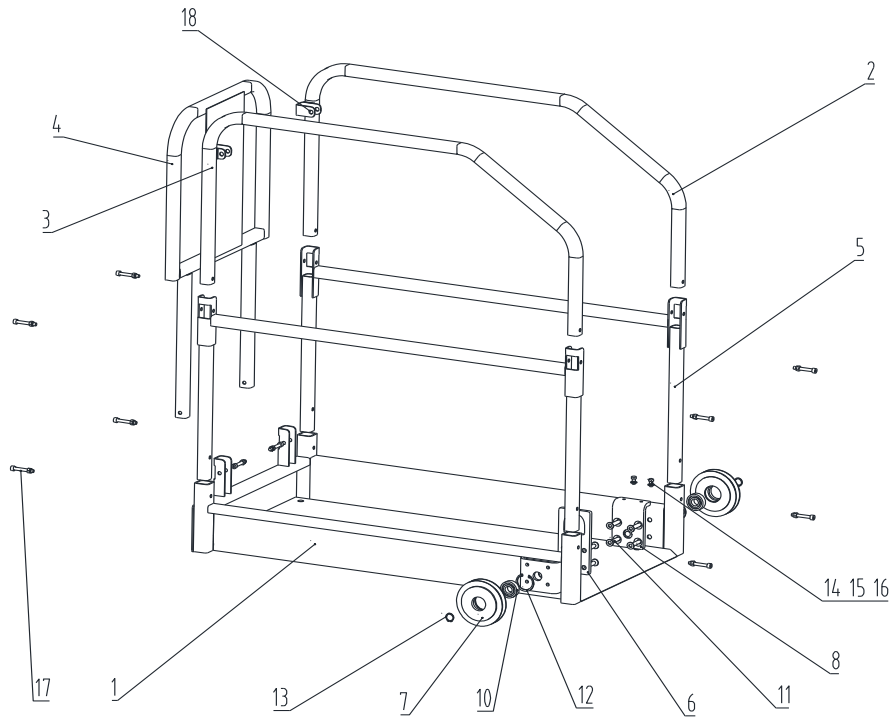
| Fixed Platform Assembly<br>(81082451) |          |                                   |      |
|---------------------------------------|----------|-----------------------------------|------|
| No.                                   | Part No. | Description                       | Qty. |
| 1                                     | 81082460 | Main Fixed Platform               | 1    |
| 2                                     | 81082466 | Left Guardrail of Fixed Platform  | 1    |
| 3                                     | 81082443 | Right Guardrail of Fixed Platform | 1    |
| 4                                     | 80833651 | Pulley                            | 2    |
| 5                                     | 80938425 | Door                              | 1    |

| Fixed Platform Assembly<br>(81082451) |          |                              |      |
|---------------------------------------|----------|------------------------------|------|
| No.                                   | Part No. | Description                  | Qty. |
| 6                                     | 80833650 | Door Lock                    | 1    |
| 7                                     | 80832068 | Wheel Carrier 1              | 1    |
| 8                                     | 80938427 | Wheel Carrier 2              | 1    |
| 9                                     | 80938443 | Square Tube F35X2-1387       | 1    |
| 10                                    | 80833553 | Spring                       | 1    |
| 11                                    | 80510787 | Spring Hinge                 | 2    |
| 12                                    | 81082453 | Right Rail of Fixed Platform | 1    |
| 13                                    | 81082450 | Left Rail of Fixed Platform  | 1    |
| 14                                    | 80191379 | Rolling Bearing              | 2    |
| 15                                    | 80700264 | Bolt GB/T70.3-M10X50         | 8    |
| 16                                    | 80730479 | Ring GB/T894-20              | 2    |
| 17                                    | 80730483 | Ring GB/T893-47              | 2    |
| 18                                    | 80465862 | Bolt GB/T70.1-M8X50          | 1    |
| 19                                    | 80320439 | Screw GB/T889.1-M8           | 21   |
| 20                                    | 80184778 | Washer GB/T93-8              | 8    |
| 21                                    | 80307520 | Washer GB/T97.1-8            | 8    |

| Fixed Platform Assembly<br>(81082451) |          |                                       |      |
|---------------------------------------|----------|---------------------------------------|------|
| No.                                   | Part No. | Description                           | Qty. |
| 22                                    | 80660528 | Bolt GB/T5783-M8X55                   | 8    |
| 23                                    | 80665195 | Model D Pin with Anti-lost Rope 10X55 | 2    |
| 24                                    | 80610383 | Bolt GB/T70.1-M8X55                   | 12   |

## Extended Platform Assembly

(81082462)



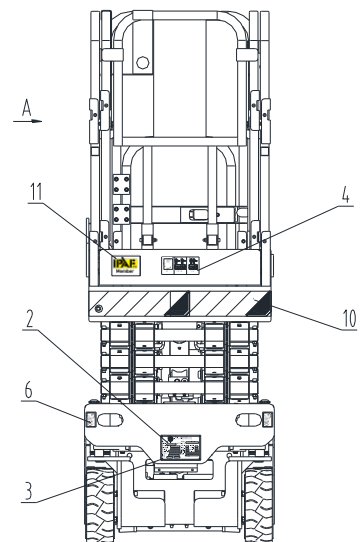
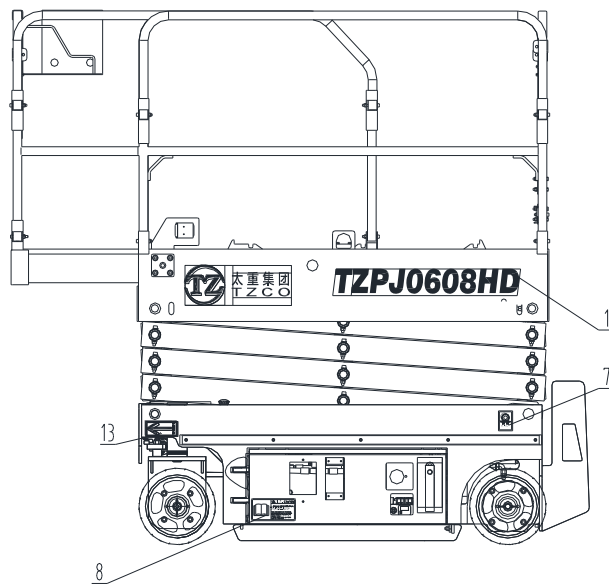
| Extended Platform Assembly<br>(81082462) |          |                                      |      |
|------------------------------------------|----------|--------------------------------------|------|
| No.                                      | Part No. | Description                          | Qty. |
| 1                                        | 81082448 | Extended Platform                    | 1    |
| 2                                        | 81082437 | Left Guardrail of Extended Platform  | 1    |
| 3                                        | 81082439 | Right Guardrail of Extended Platform | 1    |
| 4                                        | 80832029 | Front Guardrail                      | 1    |
| 5                                        | 81082444 | Guardrail of Extended Platform       | 2    |
| 6                                        | 81082447 | Wheel Carrier 2                      | 1    |

| Extended Platform Assembly<br>(81082462) |          |                                       |      |
|------------------------------------------|----------|---------------------------------------|------|
| No.                                      | Part No. | Description                           | Qty. |
| 7                                        | 80833649 | Pulley 1                              | 1    |
| 8                                        | 81082455 | Pedal Support                         | 1    |
| 9                                        | 81239326 | Platform Locking Parts                | 1    |
| 10                                       | 80191379 | Rolling Bearing 20X47X14              | 2    |
| 11                                       | 80700264 | Bolt GB/T70.3-M10X50                  | 8    |
| 12                                       | 80730483 | Ring GB/T893-47                       | 2    |
| 13                                       | 80730479 | Ring GB/T894-20                       | 2    |
| 14                                       | 80327395 | Bolt GB/T5783-M8X16                   | 2    |
| 15                                       | 80307520 | Washer GB/T97.1-8                     | 2    |
| 16                                       | 80320439 | Screw GB/T889.1-M8                    | 10   |
| 17                                       | 80317790 | Bolt GB/T70.1-M8X60                   | 10   |
| 18                                       | 80665195 | Model D Pin with Anti-lost Rope 10X55 | 2    |

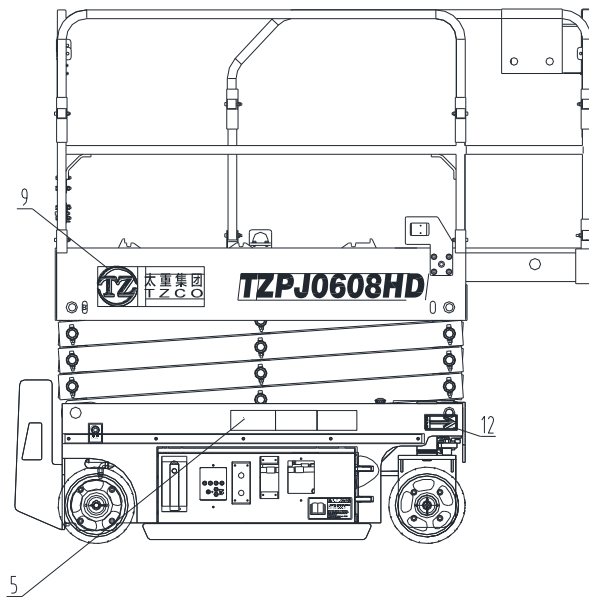
## **4. Nameplate and Marks**

# Nameplate and Marks

(81151387)



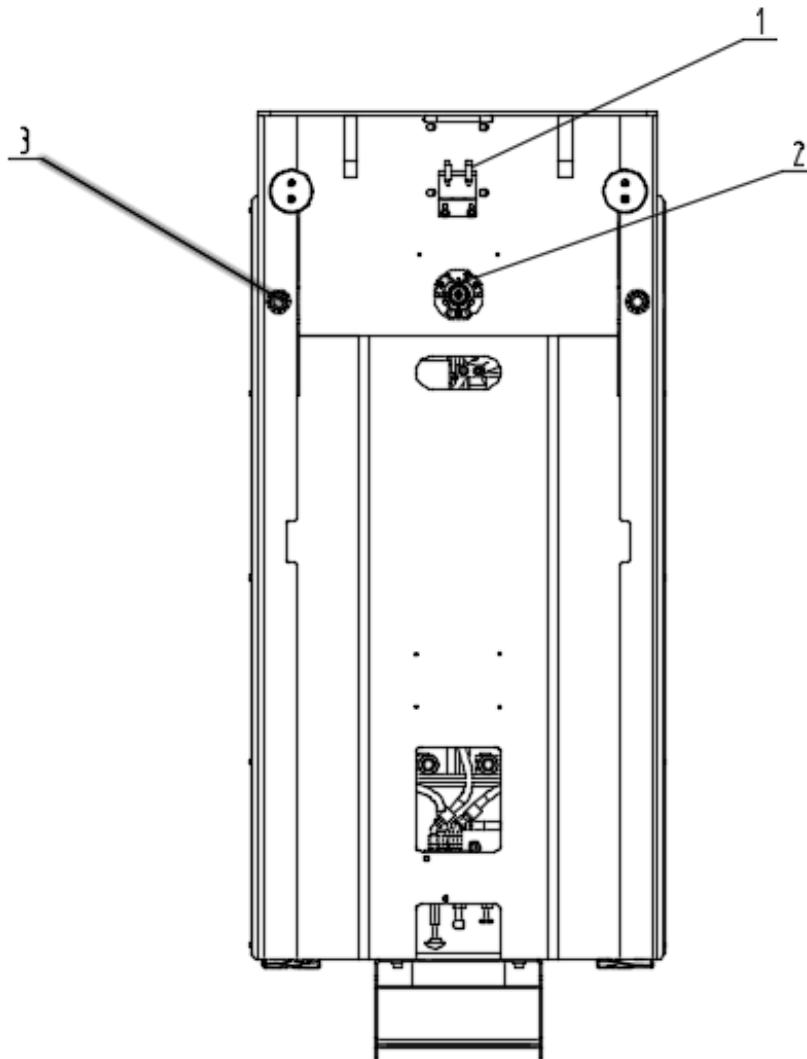
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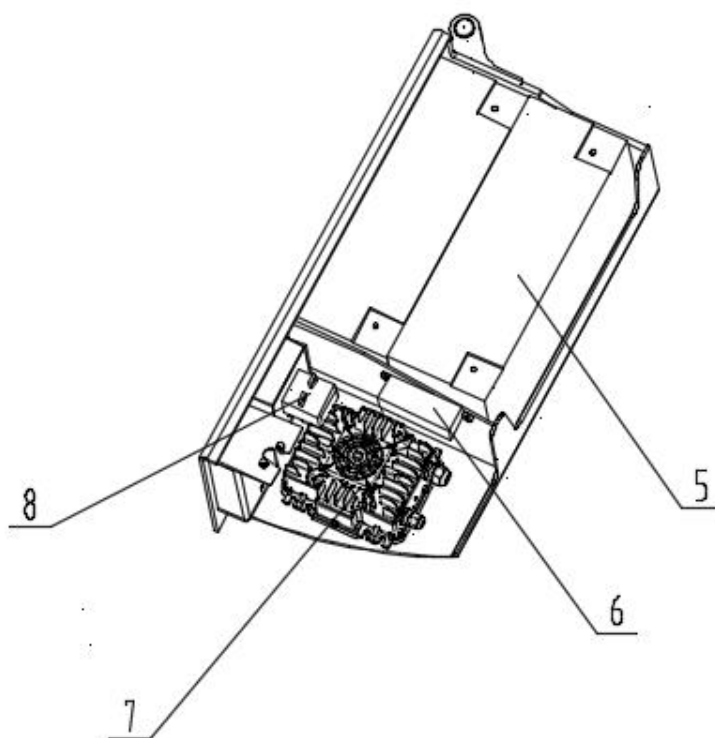
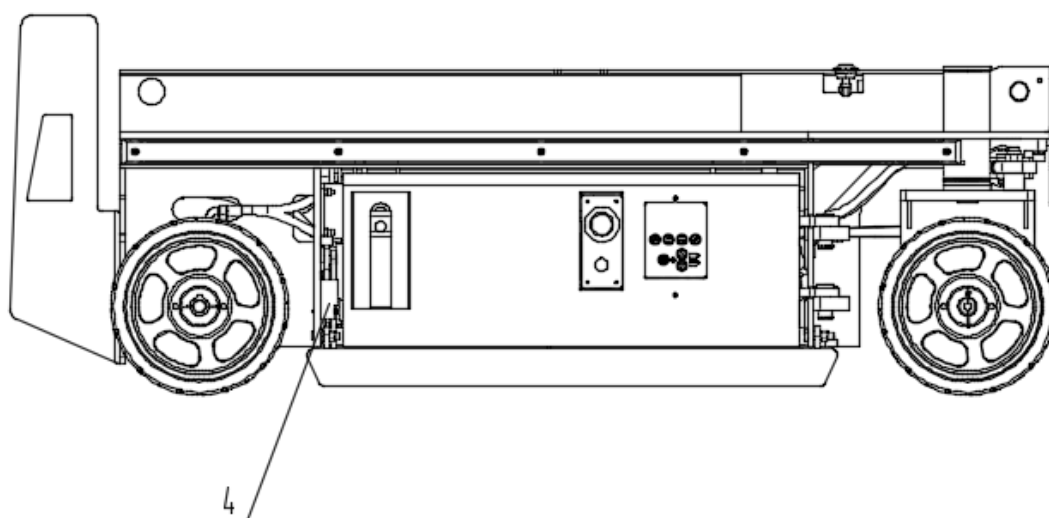


| Nameplate and Marks<br>(81151387) |          |                              |      |
|-----------------------------------|----------|------------------------------|------|
| No.                               | Part No. | Description                  | Qty. |
| 1                                 | 81151386 | Model Code                   | 2    |
| 2                                 | 81082908 | Product Nameplate            | 1    |
| 3                                 | 80379153 | Blind Rivet GB/T12618.1-4X16 | 4    |
| 4                                 | 81082907 | Load Mark                    | 1    |
| 5                                 | 81133054 | Warning Mark                 | 2    |
| 6                                 | 81133057 | Lifting Mark                 | 4    |
| 7                                 | 81133065 | Tire Load Mark               | 2    |
| 8                                 | 81063651 | Warning Words                | 1    |
| 9                                 | 81133051 | TZCO Logo                    | 2    |
| 10                                | 80833541 | Warning Tape                 | 2    |
| 11                                | 81118104 | IPAF Mark                    | 1    |
| 12                                | 81133048 | Forward Direction Mark       | 1    |
| 13                                | 81133049 | Forward Direction Mark 2     | 1    |

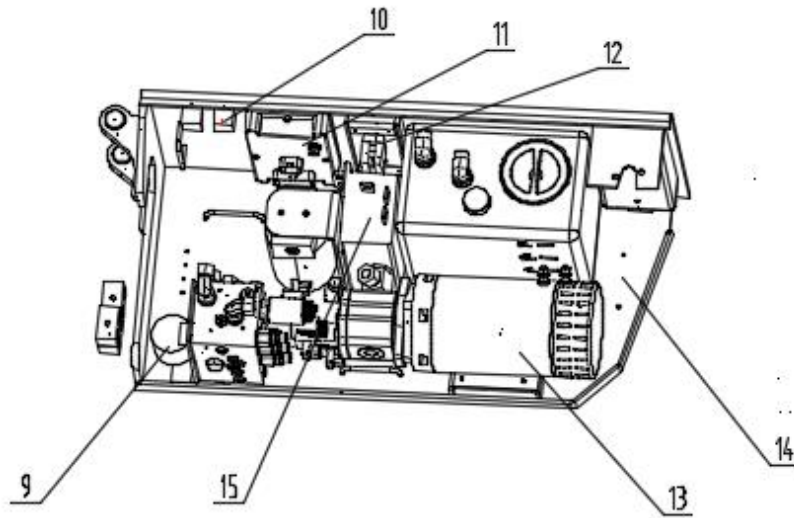
## **5. Electrical System**

## Electrical System Components

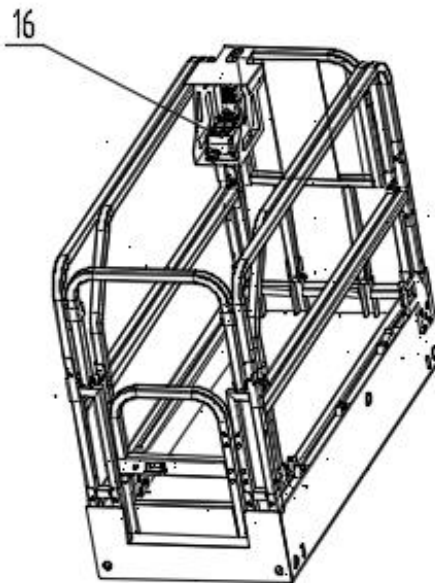




Battery Box



Oil Pump Station Box

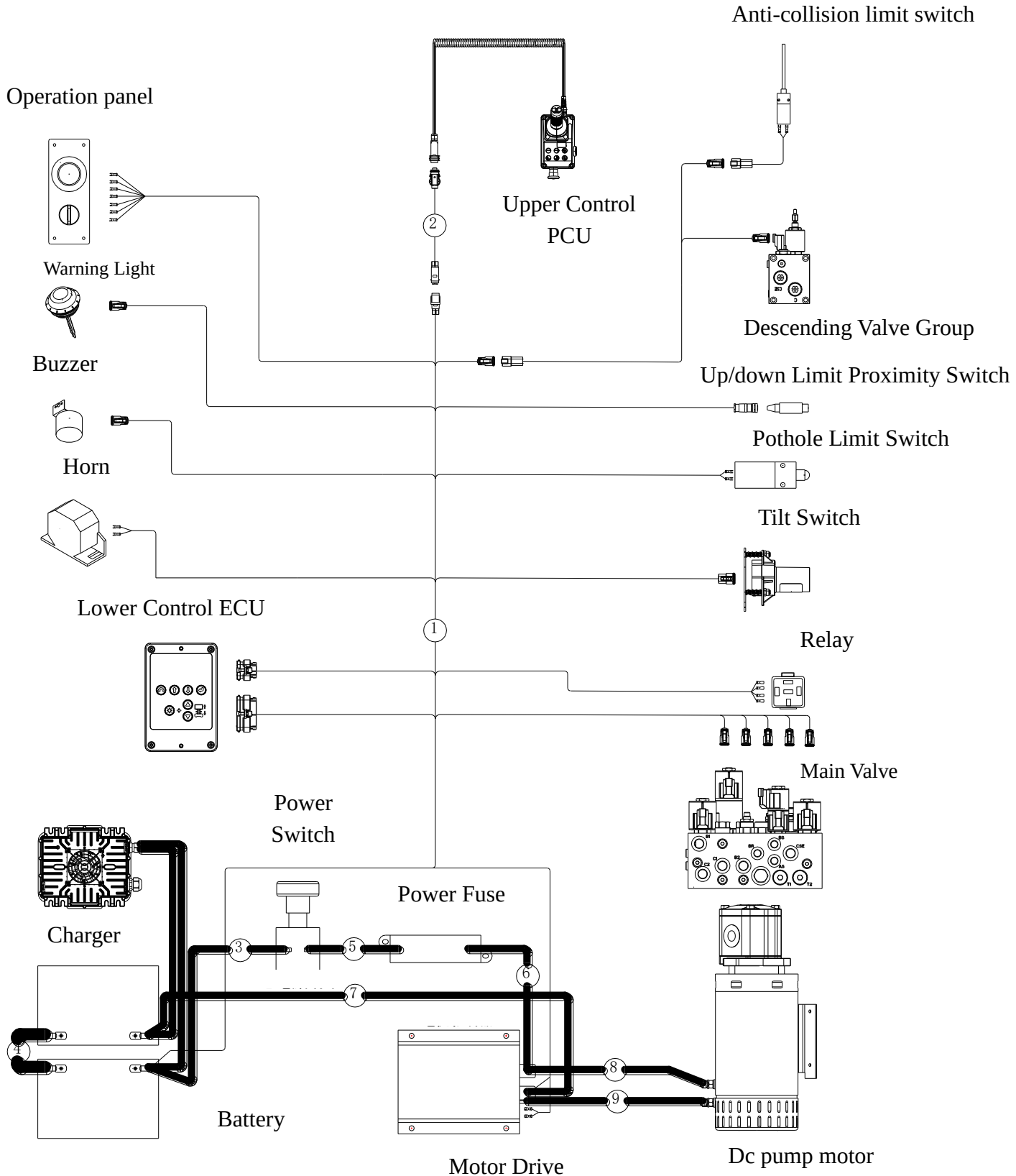


Platform

| Electrical System Components<br>(81058661) |          |                               |      |
|--------------------------------------------|----------|-------------------------------|------|
| No.                                        | Part No. | Description                   | Qty. |
| 1                                          | 81075600 | Proximity Switch XS112BHPAM12 | 2    |

| Electrical System Components<br>(81058661) |          |                                                                            |      |
|--------------------------------------------|----------|----------------------------------------------------------------------------|------|
| No.                                        | Part No. | Description                                                                | Qty. |
| 2                                          | 80832231 | Tilt Sensor SHSS.SYSH                                                      | 1    |
| 3                                          | 80890026 | Warning Light GY32                                                         | 2    |
| 4                                          | 80500252 | Travel Switch XCK N2102P20C                                                | 2    |
| 5                                          | 80830855 | Battery DC 12V                                                             | 2    |
| 6                                          | 80723470 | Large Bolt Type Fuse ANL-300                                               | 1    |
| 7                                          | 80935408 | Charger TZ.TZ-CH03D-2430A                                                  | 1    |
| 8                                          | 80982553 | Emergency Power Off Switch JK250A                                          | 1    |
| 9                                          | 80723471 | Buzzer DJB-24B                                                             | 1    |
| 10                                         | 81113007 | Relay 24Vdc                                                                | 2    |
| 11                                         | 81113159 | ECU TZPJ-CU-E-001A                                                         | 1    |
| 12                                         | 81055547 | Operation Panel                                                            | 1    |
| 13                                         | 80965682 | Motor for Lifting and Walking Integrated Oil Pump TZPJ-DJ-D-24/24/3.3-001A | 1    |
| 14                                         | 80736721 | Horn                                                                       | 1    |
| 15                                         | 80765437 | Drive Unit MCU                                                             | 1    |
| 16                                         | 80765435 | Motion Unit PCU                                                            | 1    |

## Electrical harness (Plumbic Acid Battery)



| No. | Part No. | Description                |                                    | Qty. |
|-----|----------|----------------------------|------------------------------------|------|
| 1   | 81084267 | Master Harness             |                                    | 1    |
| 2   | 81084266 | PCU Harness                |                                    | 1    |
| 3   | 81084265 | Power<br>Supply<br>Harness | Battery to main power switch       | 1    |
| 4   |          |                            | Battery stub                       | 1    |
| 5   |          |                            | Total power switch to power safety | 1    |
| 6   |          |                            | Power insurance to drive B+        | 1    |
| 7   |          |                            | Battery to total drive B-          | 1    |
| 8   |          |                            | Drive B+ to DC pump motor +        | 1    |
| 9   |          |                            | Drive B- to DC pump motor -        | 1    |

## **6. Hydraulic System**

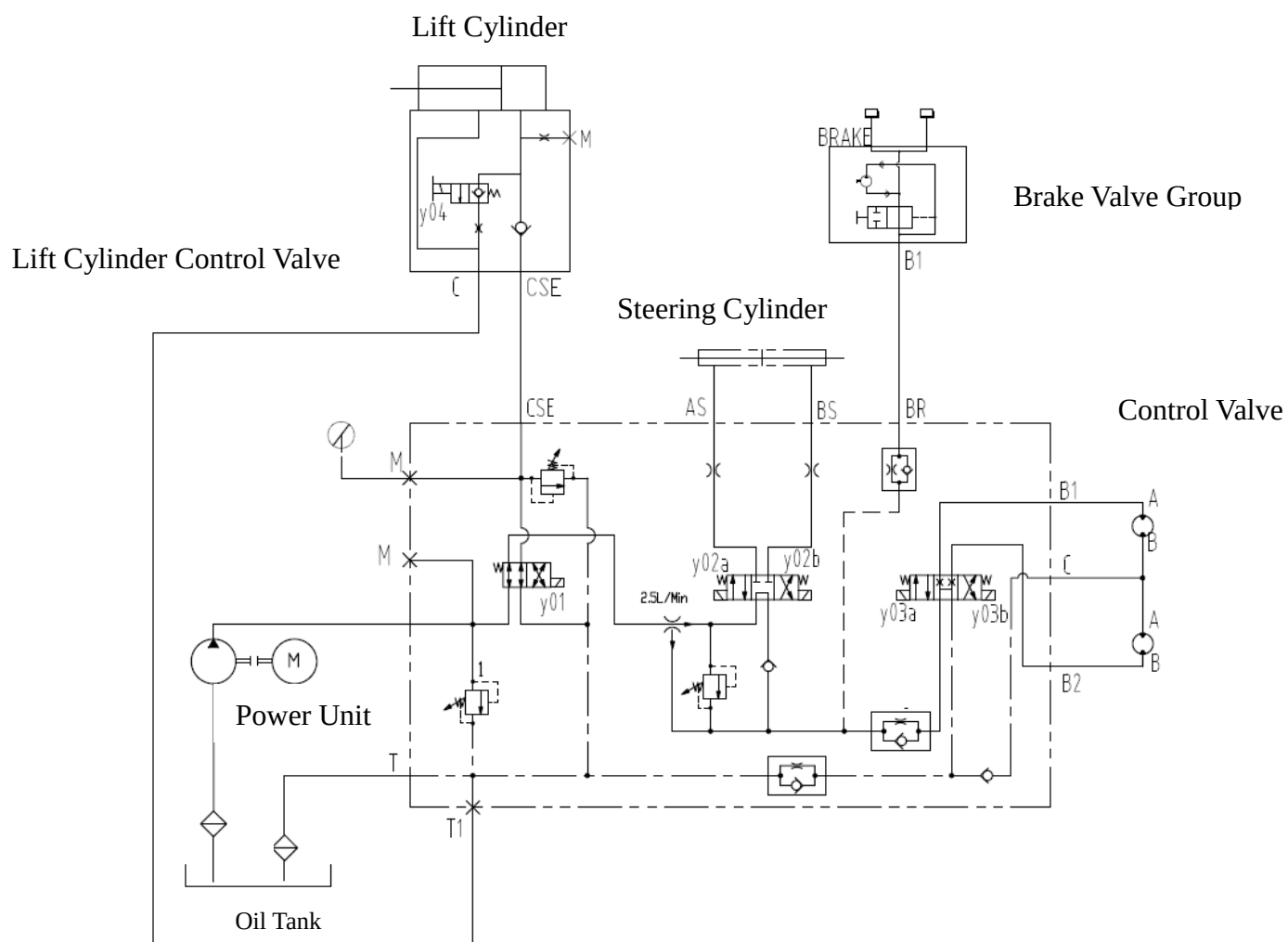
### 0608HD-Hydraulic System-03

(81083068)

| Hydraulic System |          |                                     |      |
|------------------|----------|-------------------------------------|------|
| No.              | Part No. | Description                         | Qty. |
| 1                | 81082513 | 0608HD-Hydraulic Principle 03       | 1    |
| 2                | 81082511 | 0608HD-Hydraulic Piping Layout 03   | 1    |
| 3                | 80824998 | Ultra-low Temperature Hydraulic Oil | 10   |

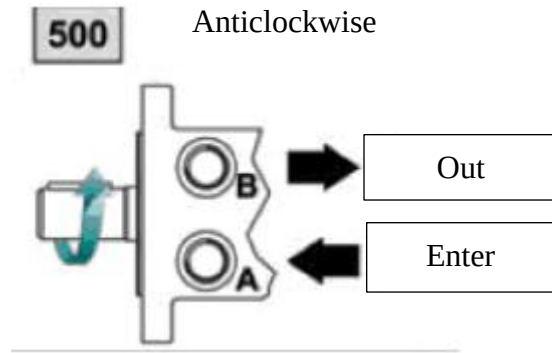
# 0608HD-Hydraulic Principle 03

(81082513)



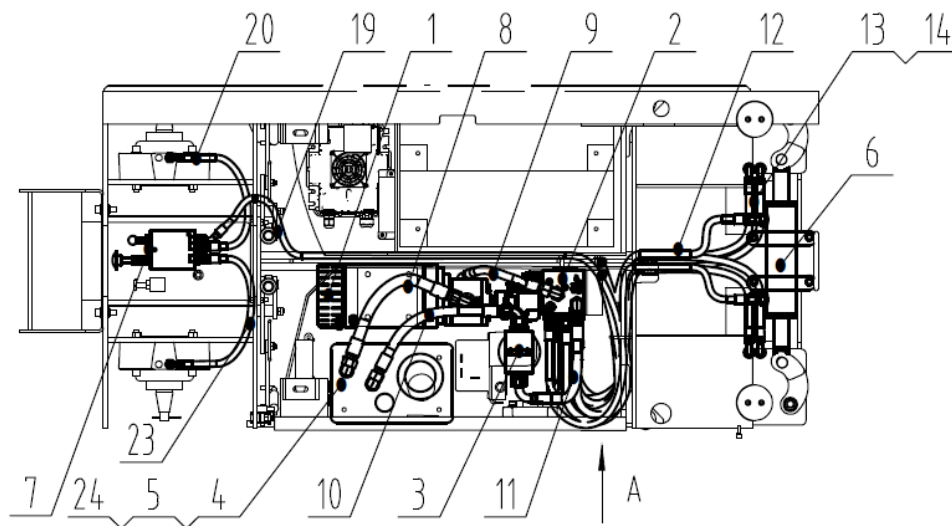
Control Table

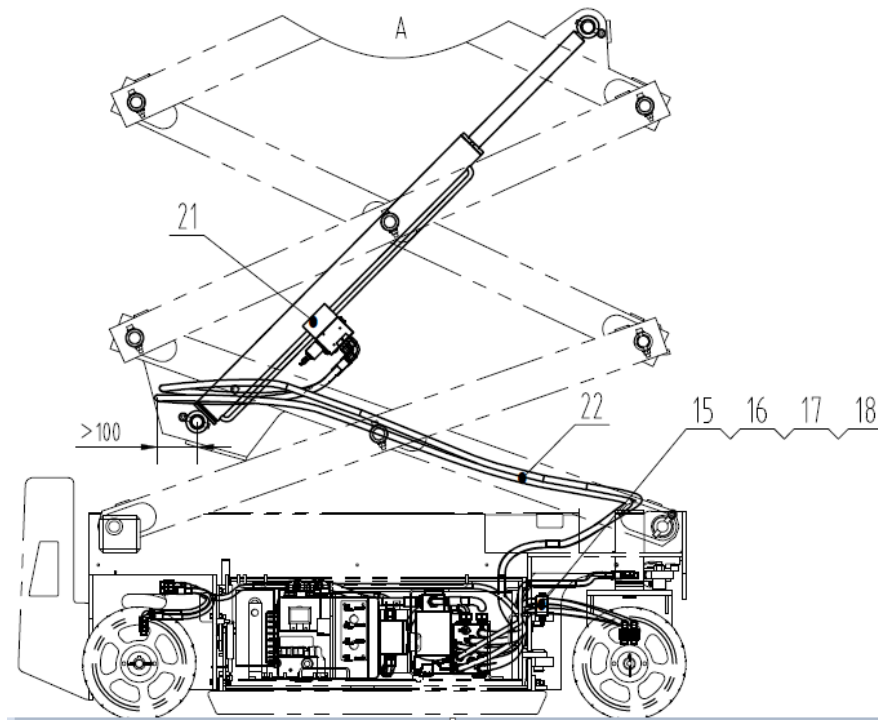
| Motion               | y01 | y02a | y02b | y03a | y03b | y04 |
|----------------------|-----|------|------|------|------|-----|
| SC Turns Right       |     | +    |      |      |      |     |
| SC Turns Left        |     |      | +    |      |      |     |
| LC Lifts             | +   |      |      |      |      |     |
| LC Descends          |     |      |      |      |      | +   |
| Drive wheel forward  |     |      |      | +    |      |     |
| Drive wheel backward |     |      |      |      | +    |     |



### 0608HD-Hydraulic Piping Layout 03

(81082511)





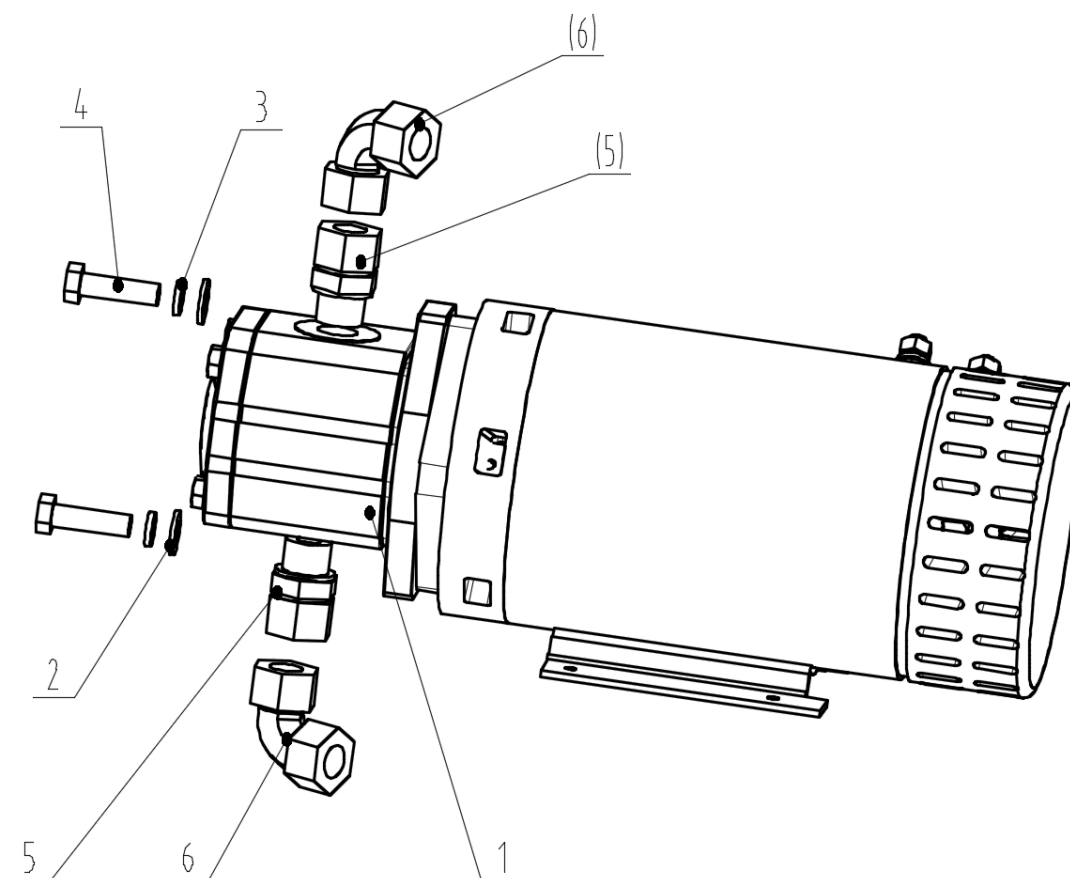
| 0608HD-Hydraulic Piping Layout 03<br>(81082511) |          |                           |      |
|-------------------------------------------------|----------|---------------------------|------|
| No.                                             | Part No. | Description               | Qty. |
| 1                                               | 81082512 | Power Unit Assembly       | 1    |
| 2                                               | 81082516 | Main Valve Assembly       | 1    |
| 3                                               | 81082514 | Return Filter Assembly    | 1    |
| 4                                               | 80930804 | 8L Plastic Hydraulic Tank | 1    |
| 5                                               | 81270573 | Flat Head Hexagon Bolt    | 4    |

| 0608HD-Hydraulic Piping Layout 03<br>(81082511) |          |                                             |      |
|-------------------------------------------------|----------|---------------------------------------------|------|
| No.                                             | Part No. | Description                                 | Qty. |
| 6                                               | 81082517 | 0608HD-Steering Hydraulic Cylinder Assembly | 1    |
| 7                                               | 81082510 | Hand Pump Assembly                          | 1    |
| 8                                               | 80939460 | Hose Components                             | 1    |
| 9                                               | 81242898 | Hose Components                             | 1    |
| 10                                              | 81082879 | Hose Components                             | 1    |
| 11                                              | 81270949 | Hose Components                             | 1    |
| 12                                              | 81082873 | Hose Components                             | 2    |
| 13                                              | 80930901 | Straight End Joint                          | 4    |
| 14                                              | 81082877 | Hose Components                             | 4    |
| 15                                              | 80985434 | Pipe Clamp                                  | 2    |
| 16                                              | 80985486 | Cover Plate                                 | 1    |
| 17                                              | 81214425 | Bolt                                        | 1    |
| 18                                              | 81129820 | Screw                                       | 1    |
| 19                                              | 81082875 | Hose Components                             | 1    |
| 20                                              | 81082876 | Hose Components                             | 1    |
| 21                                              | 81082515 | 0608HD-Lift Hydraulic Cylinder Assembly     | 1    |

| 0608HD-Hydraulic Piping Layout 03<br>(81082511) |          |                                                               |      |
|-------------------------------------------------|----------|---------------------------------------------------------------|------|
| No.                                             | Part No. | Description                                                   | Qty. |
| 22                                              | 81241232 | Hose Components                                               | 2    |
| 23                                              | 81138805 | Hose Components                                               | 1    |
| 24                                              | 81124005 | Standard Spring Washer 8, Dacro-240 Salt Spray                | 4    |
| 25                                              | 81157923 | Single Head Single Hole Black Self-locking Type<br>Nylon Tape | 50   |

## Power Unit Assembly

(81082512)

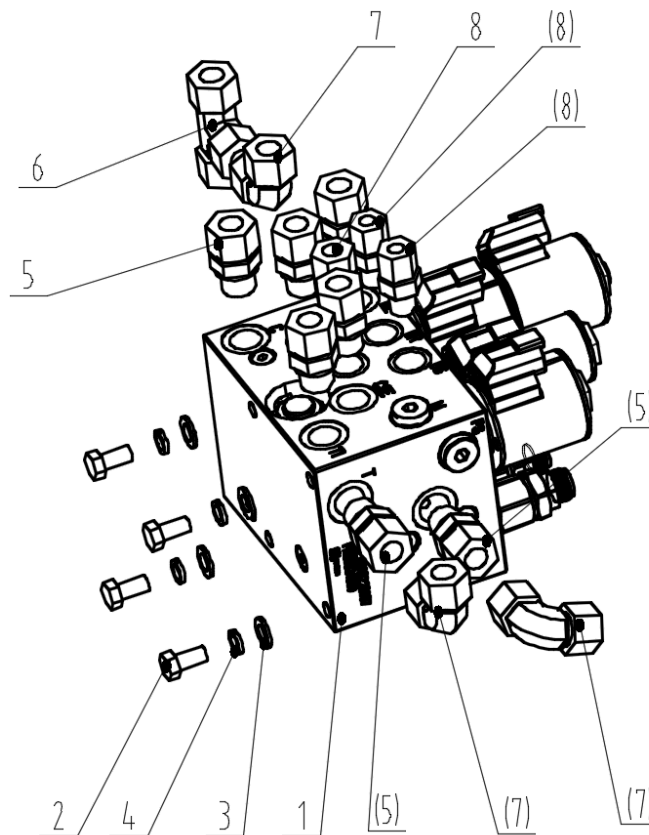


| Power Unit Assembly<br>(81082512) |          |                                             |      |
|-----------------------------------|----------|---------------------------------------------|------|
| No.                               | Part No. | Description                                 | Qty. |
| 1                                 | 80965745 | 4cc Gear Pump                               | 1    |
| 2                                 | 80364186 | Washer                                      | 2    |
| 3                                 | 80184769 | Washer                                      | 2    |
| 4                                 | 80966468 | Hexagonal Cylindrical Head Full Thread Bolt | 2    |
| 5                                 | 80173217 | Straight End Joint                          | 2    |

| Power Unit Assembly<br>(81082512) |          |                   |      |
|-----------------------------------|----------|-------------------|------|
| No.                               | Part No. | Description       | Qty. |
| 6                                 | 80173296 | Rectangular joint | 2    |

## Main Valve Assembly

(81082516)

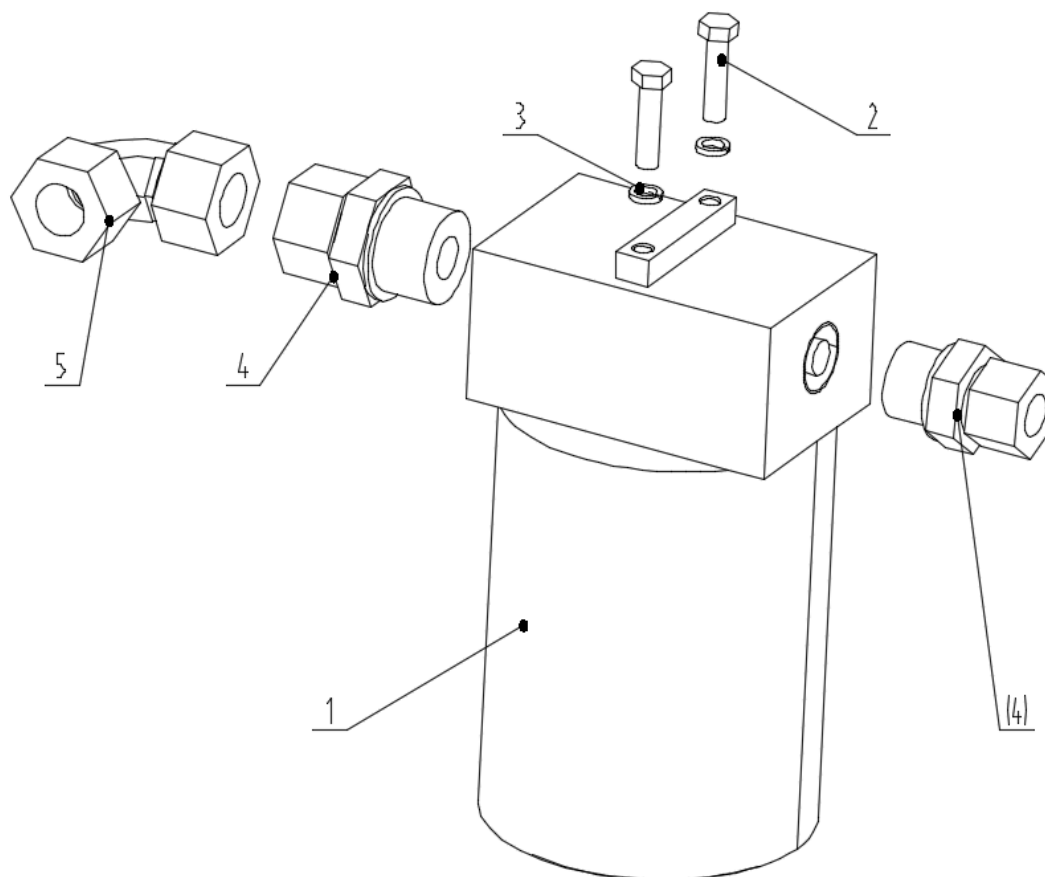


| Main Valve Assembly<br>(81082516) |          |                                                |      |
|-----------------------------------|----------|------------------------------------------------|------|
| No.                               | Part No. | Description                                    | Qty. |
| 1                                 | 80824080 | Main Valve                                     | 1    |
| 2                                 | 81126365 | Bolt                                           | 4    |
| 3                                 | 81124012 | Washer                                         | 4    |
| 4                                 | 81124005 | Standard Spring Washer 8, Dacro-240 Salt Spray | 4    |
| 5                                 | 80173253 | Straight End Joint                             | 7    |

| Main Valve Assembly<br>(81082516) |          |                    |      |
|-----------------------------------|----------|--------------------|------|
| No.                               | Part No. | Description        | Qty. |
| 6                                 | 80173160 | Tee Joint          | 1    |
| 7                                 | 80173301 | Rectangular Joint  | 3    |
| 8                                 | 80173251 | Straight End Joint | 3    |

## Return Filter Assembly

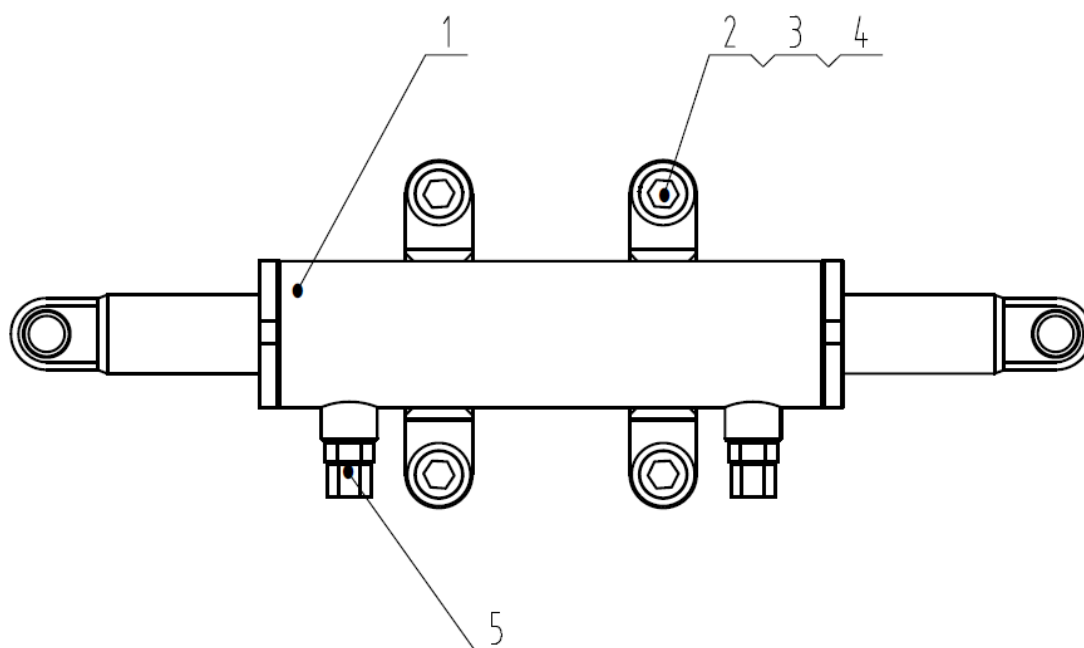
(81082514)



| Return Filter Assembly<br>(81082514) |          |                    |      |
|--------------------------------------|----------|--------------------|------|
| No.                                  | Part No. | Description        | Qty. |
| 1                                    | 80916403 | Return Filter      | 1    |
| 2                                    | 80252571 | Bolt               | 2    |
| 3                                    | 80184780 | Washer             | 2    |
| 4                                    | 80380283 | Straight End Joint | 2    |
| 5                                    | 80173296 | Rectangular Joint  | 1    |

## 0608HD-Steering Hydraulic Cylinder Assembly

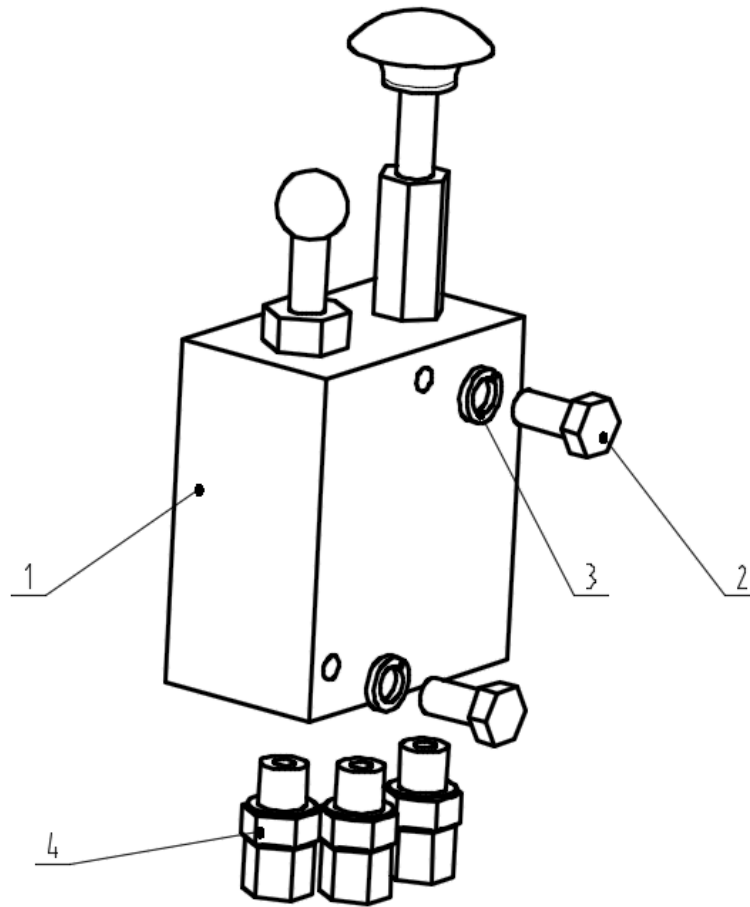
(81082517)



| 0608HD-SteeringHydraulic Cylinder Assembly<br>(81082517) |          |                             |      |
|----------------------------------------------------------|----------|-----------------------------|------|
| No.                                                      | Part No. | Description                 | Qty. |
| 1                                                        | 80824078 | Steering Hydraulic Cylinder | 1    |
| 2                                                        | 80376264 | Washer                      | 4    |
| 3                                                        | 80374700 | Washer                      | 4    |
| 4                                                        | 80730463 | Bolt                        | 4    |
| 5                                                        | 80173251 | Straight End Joint          | 2    |

## Hand Pump Assembly

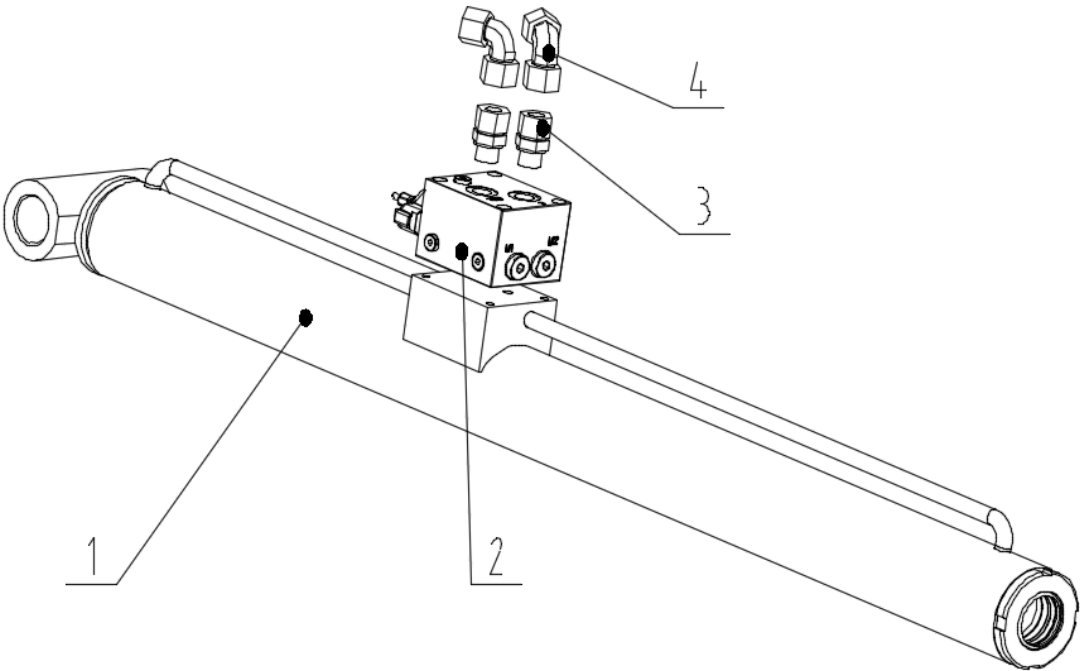
(81082510)



| Hand Pump Assembly<br>(81082510) |          |                      |      |
|----------------------------------|----------|----------------------|------|
| No.                              | Part No. | Description          | Qty. |
| 1                                | 80789111 | Hand Pump            | 1    |
| 2                                | 80654957 | Hexagon Head Bolt    | 2    |
| 3                                | 80184769 | Washer               | 2    |
| 4                                | 80564558 | Straight End Fitting | 5    |

0608HD-Lift Hydraulic Cylinder Assembly

(81082515)



| 0608HD-Lift Hydraulic Cylinder Assembly<br>(81082515) |          |                                       |      |
|-------------------------------------------------------|----------|---------------------------------------|------|
| No.                                                   | Part No. | Description                           | Qty. |
| 1                                                     | 80824083 | Lift Hydraulic Cylinder               | 1    |
| 2                                                     | 80985561 | Lift Hydraulic Cylinder Control Valve | 1    |
| 3                                                     | 80173253 | Straight End Joint                    | 2    |
| 4                                                     | 80173301 | Rectangular Joint                     | 2    |