

Print Number:

Print Date:

---

**NOBLELIFT**



Scan QR Code for More

**Reach Truck RT20B**

**PARTS MANUAL**

213446020101



Version: V01

Truck Identification Number From:

Parts Manual RT20B-PM02EN

Please order spare parts from authorized dealers of Noblelift Intelligent Equipment Co., LTD.

In order to avoid wrong delivery, all the orders for spare parts should specify the following items:

- Truck model, identification number and manufacture year.
- Orders for spare parts of mast, hydraulic transmission unit, steering axle, motor, etc. shall indicate the manufacture number of these parts.
- Codes for Noblelift spare parts are shown in the table of parts manual. Please also pay attention to the description of supply status, order quantity, etc. (check the number listed in "Mark" column of the parts manual).

"Mark" Column:

The unmarked indicates the parts are in short supply cycle.

Number 1: supply as package. Indicating these that parts are small parts and seal parts, which are supplied in package unit and in short supply cycle.

Number 2: supply with constraints. Indicating that these spare parts are not in stock and will be prepared for production after receiving the order from customers, which are in long supply cycle.

Number 3: phasing-out supply. Indicating that these parts will be replaced by new parts due to technical improvements and the current stock will not be available when these parts run out. Please check the description of technical improvements notice.

Number 4: supply as assembly. Indicating that these parts are assembly parts defined by manufacture process, which cannot be supplied as a single part.

Number 5: check other tables.

This parts manual is the property of Noblelift and can be shared under the confidential agreement only, Noblelift has the right to claim for compensation of any unauthorized use. Copy without permission is not allowed. Figures in the manual are not limited by the original design. Noblelift Intelligent Equipment Co., LTD reserves the right to improve the products for continuous technology progress.

# Table of Contents

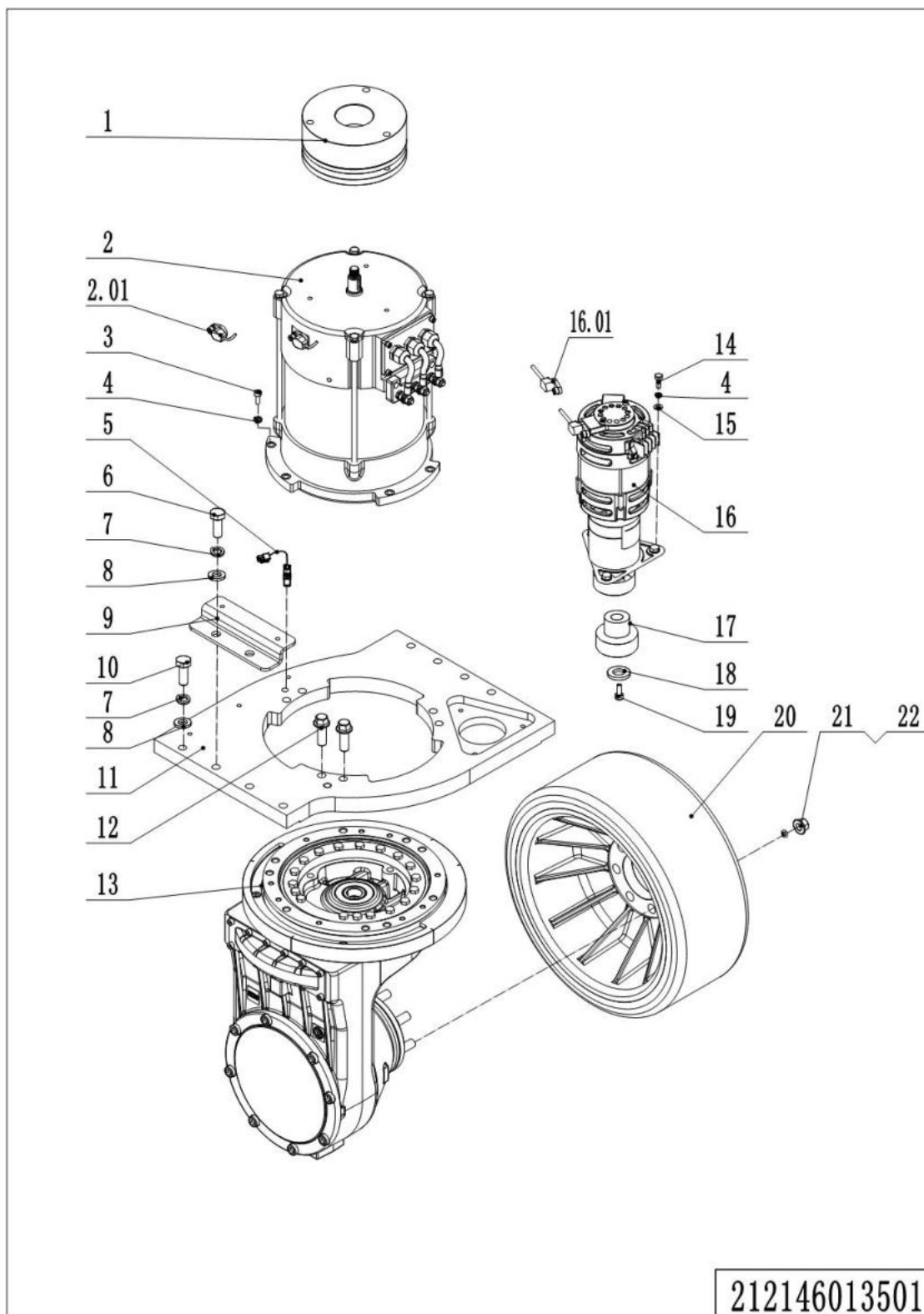
|                                                                 |    |
|-----------------------------------------------------------------|----|
| Chapter 1: Drive System.....                                    | 5  |
| 01 Drive Unit (212146013501).....                               | 5  |
| 02 Lift Unit (212146032501).....                                | 7  |
| Chapter 2: Hydraulic System.....                                | 9  |
| 01 Hydraulic Circuit 3 (212346025001).....                      | 9  |
| 01 Hydraulic Circuit 3 (212346025001) Continuation .....        | 11 |
| 02 Hydraulic Circuit 4 (212346025501).....                      | 13 |
| 02 Hydraulic Circuit 4 (212346025501) Continuation .....        | 15 |
| 03 Reach Cylinder (213446020001).....                           | 17 |
| 04 Oil Tank (212346019001).....                                 | 19 |
| 05 Tilt Cylinder (212146020501) .....                           | 21 |
| Chapter 3: Truck Frame .....                                    | 23 |
| 01 Chassis (213446021501).....                                  | 23 |
| 01 Chassis (213446021501) Continuation .....                    | 25 |
| 02 Handle Assembly (212346021502).....                          | 27 |
| 03 Overhead Guard (213346022001) .....                          | 29 |
| 04 Platform (212146018001).....                                 | 31 |
| 05 Seat (213346037501).....                                     | 33 |
| Chapter 4: Mast.....                                            | 35 |
| 01 Outer Mast (212346044501).....                               | 35 |
| 01 Outer Mast (212346044501) Continuation1 .....                | 37 |
| 01 Outer Mast (212346044501) Continuation 2 .....               | 39 |
| 02 Middle Mast (212146044502) .....                             | 41 |
| 03 Inner Mast (212346044503) .....                              | 43 |
| 03 Inner Mast (212346044503) Continuation.....                  | 45 |
| 04 Reach Frame (213446044504).....                              | 47 |
| 04 Reach Frame (213446044504) Continuation .....                | 49 |
| 05 Fork Carriage (212346044505).....                            | 51 |
| 06 Mast Hydraulic Circuit 3 (212346044506).....                 | 53 |
| 06 Mast Hydraulic Circuit 3 (212346044506) Continuation .....   | 55 |
| 06 Mast Hydraulic Circuit 3 (212346044506) Continuation 2 ..... | 57 |
| 06 Mast Hydraulic Circuit 3 (212346044506) Continuation 3 ..... | 59 |
| 07 Mast Hydraulic Circuit 4 (212346044507).....                 | 61 |
| 07 Mast Hydraulic Circuit 4 (212346044507) Continuation .....   | 63 |
| 07 Mast Hydraulic Circuit 4 (212346044507) Continuation 2 ..... | 65 |
| 07 Mast Hydraulic Circuit 4 (212346044507) Continuation 3 ..... | 67 |
| Chapter 5: Steering System, Braking System, Wheels .....        | 69 |
| 01 Steering Wheel (213346031501) .....                          | 69 |
| 01 Steering Wheel (213346031501) Continuation.....              | 71 |
| 02 Brake Pedal (213346011501).....                              | 73 |
| 03 Brake Unit (213446011501) .....                              | 75 |
| 04 Load Wheel (213146017001) .....                              | 77 |

---

|                                              |     |
|----------------------------------------------|-----|
| Chapter 6: Electrical Parts .....            | 79  |
| 01 Wire Harness (213346033001) .....         | 79  |
| 02 Controller 1232SE (211046033002) .....    | 81  |
| 03 Controller F4A(212346033010) .....        | 83  |
| 04 Controller INMOTION(212346033011).....    | 85  |
| 05 Charger (213146036501) .....              | 87  |
| Chapter 7: Special Parts .....               | 89  |
| 01 Battery Holder (213146012501) .....       | 89  |
| 02 Monitor (213346036001).....               | 91  |
| 03 Monitor(Wired power) (213346036002) ..... | 93  |
| Chapter 8: Others .....                      | 95  |
| 01 Control Panel (212346010001).....         | 95  |
| 02 Labels and Decals (213446047001).....     | 97  |
| Appendix.....                                | 99  |
| 01 Electrical Circuit Diagram 1232SE.....    | 99  |
| 02 Electrical Circuit Diagram F4A .....      | 100 |
| 03 Electrical Circuit Diagram INMOTION.....  | 101 |
| 04 Hydraulic Circuit Diagram .....           | 102 |
| 05 Consumable Parts List .....               | 103 |

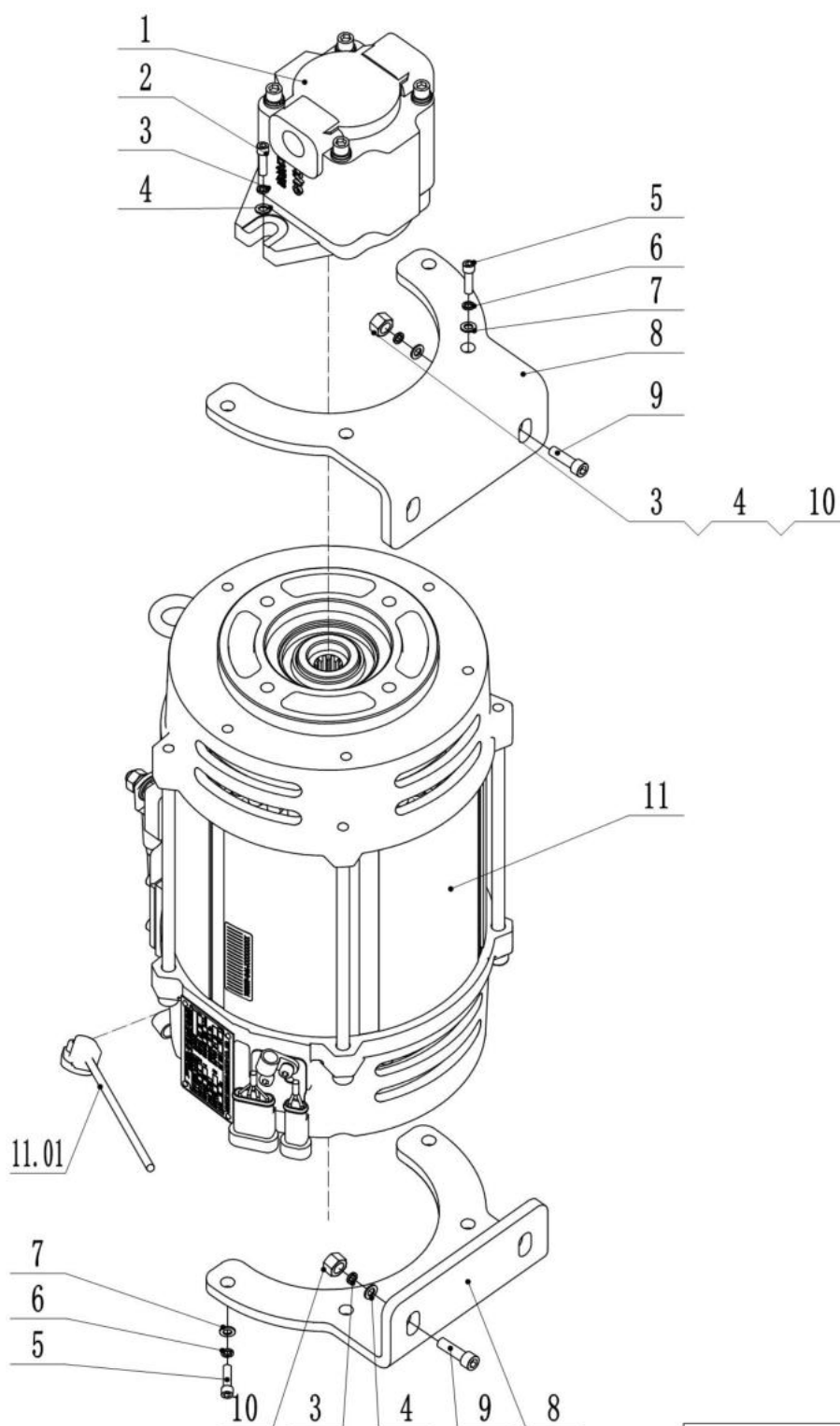
## Chapter 1: Drive System

### 01 Drive Unit (212146013501)



## 01 Drive Unit (212146013501)

| No.   | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-------|--------------|------|------------------|------|------------|------|
| 1     | 940700100003 |      | Brake            | 1    |            |      |
| 2     | 920900100110 |      | Motor            | 1    |            |      |
| 2     | 920900100102 |      | Motor            | 1    |            | SCH  |
| 2.01  | 921800200011 |      | Encoder          | 1    |            |      |
| 2.01  | 921800200037 |      | Encoder          | 1    |            | SCH  |
| 3     | 910200200061 |      | Screw            | 6    |            |      |
| 4     | 910400500006 |      | Spring Washer    | 10   |            |      |
| 5     | 212133510010 |      | Proximity Switch | 1    |            |      |
| 6     | 910100300096 |      | Bolt             | 2    |            |      |
| 7     | 910400500008 |      | Spring Washer    | 8    |            |      |
| 8     | 910400100008 |      | Flat Washer      | 8    |            |      |
| 9     | 212121520047 |      | Fixing Plate     | 1    |            |      |
| 10    | 910100300095 |      | Bolt             | 7    |            |      |
| 11    | 213021520224 |      | Plate            | 1    |            |      |
| 12    | 910100800003 |      | Bolt             | 6    |            |      |
| 13    | 941000100007 |      | Gearbox          | 1    |            |      |
| 14    | 910400100006 |      | Flat Washer      | 3    |            |      |
| 15    | 910100300023 |      | Bolt             | 3    |            |      |
| 16    | 940900800001 |      | Steering Unit    | 1    |            |      |
| 16.01 | 921800200012 |      | Encoder          | 1    |            |      |
| 17    | 940998520071 |      | Gear             | 1    |            |      |
| 18    | 213313520001 |      | Washer           | 1    |            |      |
| 19    | 910200200058 |      | Screw            | 1    |            |      |
| 20    | 940300400041 |      | WheelΦ343x140    | 1    |            |      |
| 21    | 940998520072 |      | Nut              | 7    |            |      |
| 22    | 940998520073 |      | Spring Washer    | 7    |            |      |

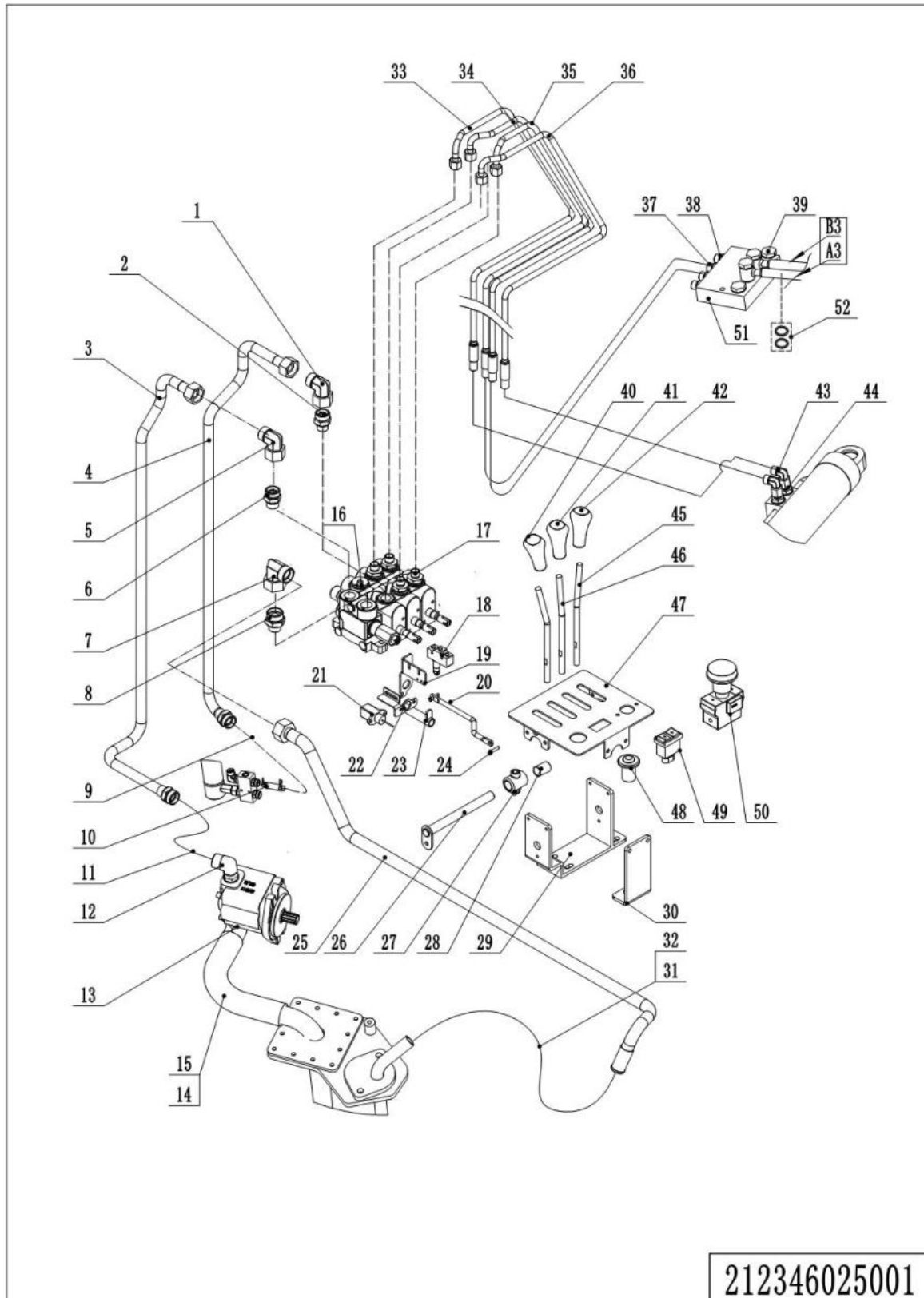
**02 Lift Unit (212146032501)****212146032501**

## 02 Lift Unit (212146032501)

| No.   | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-------|--------------|------|------------------|------|------------|------|
| 1     | 950800200008 |      | Gear Pump        | 1    |            |      |
| 2     | 910200200077 |      | Screw            | 2    |            |      |
| 3     | 910400500007 |      | Spring Washer    | 6    |            |      |
| 4     | 910400100007 |      | Flat Washer      | 6    |            |      |
| 5     | 910200200057 |      | Screw            | 8    |            |      |
| 6     | 910400500006 |      | Spring Washer    | 8    |            |      |
| 7     | 910400100006 |      | Flat Washer      | 8    |            |      |
| 8     | 212132520000 |      | Mounting Plate   | 2    |            |      |
| 9     | 910200200079 |      | Screw            | 4    |            |      |
| 10    | 910300100007 |      | Nut              | 4    |            |      |
| 11    | 920900100027 |      | Motor            | 1    |            | KDS  |
| 11    | 920900100126 |      | Motor            | 1    |            |      |
| 11.01 | 921800200013 |      | Encoder          | 1    |            | KDS  |
| 11.01 | 921800200038 |      | Encoder          | 1    |            |      |

## Chapter 2: Hydraulic System

### 01 Hydraulic Circuit 3 (212346025001)

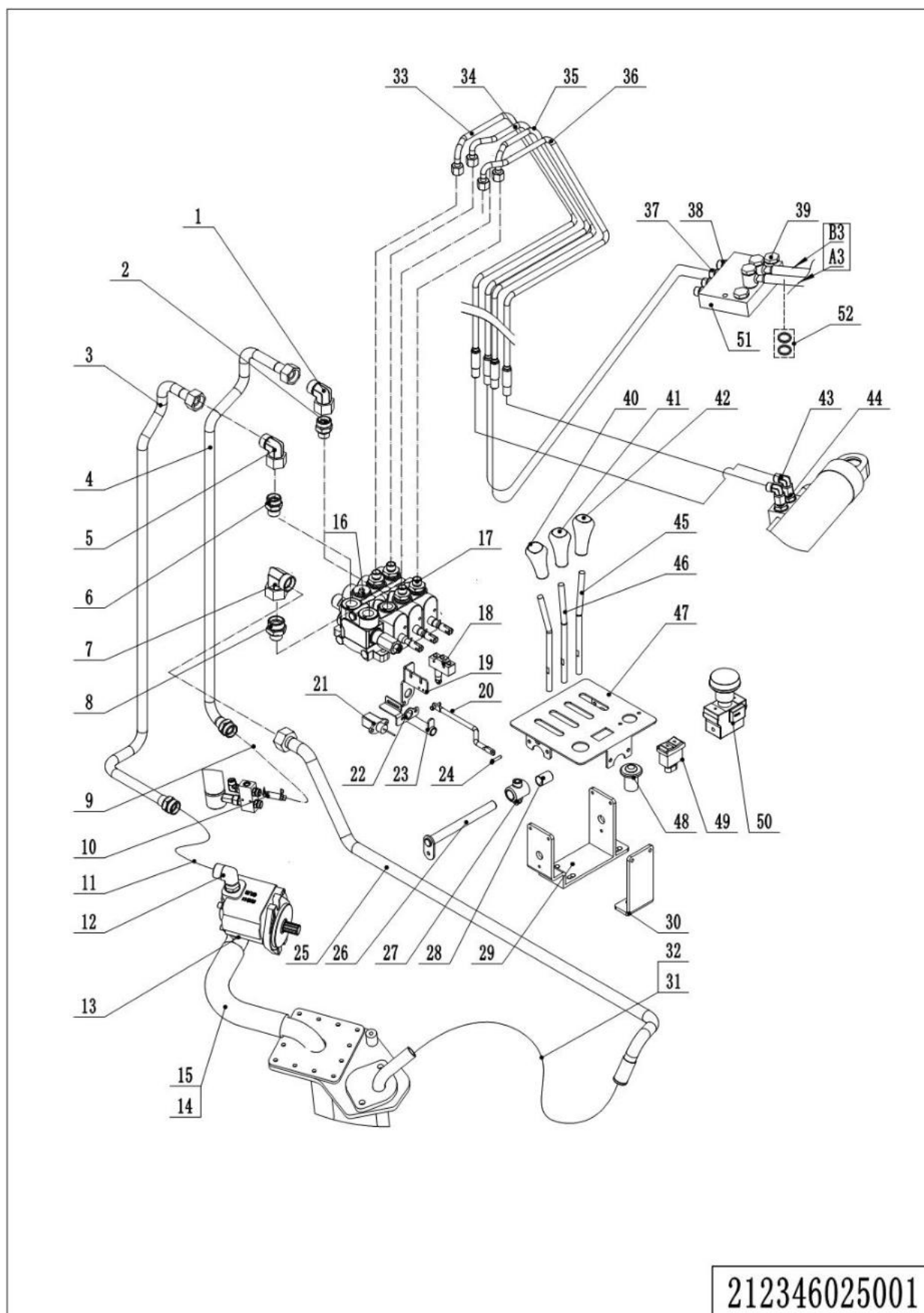


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

## 01 Hydraulic Circuit 3 (212346025001)

| No. | Item Code    | Mark | Item Description  | Qty. | Substitute | Note |
|-----|--------------|------|-------------------|------|------------|------|
| 1   | 950400200006 |      | Joint             | 1    |            |      |
| 2   | 213025020007 |      | Adapter           | 1    |            |      |
| 3   | 212325520003 |      | Steel Tube        | 1    |            |      |
| 4   | 212325520004 |      | Steel Tube        | 1    |            |      |
| 5   | 950400200006 |      | Joint             | 1    |            |      |
| 6   | 950400400008 |      | Joint             | 1    |            |      |
| 7   | 950400200007 |      | Joint             | 1    |            |      |
| 8   | 213025020008 |      | Adapter           | 1    |            |      |
| 9   | 212225520001 |      | Hose              | 1    |            |      |
| 10  | 950700300005 |      | Speed Limit Valve | 1    |            |      |
| 11  | 212325520002 |      | Hose              | 1    |            |      |
| 12  | 950401100005 |      | Joint             | 1    |            |      |
| 13  | 216525020008 |      | Adapter           | 1    |            |      |
| 14  | 212125020001 |      | Oil Tube          | 1    |            |      |
| 15  | 911000600006 |      | Hose Clamp        | 2    |            |      |
| 16  | 950700100006 |      | Multi-way Valve   | 1    |            |      |
| 17  | 950400400012 |      | Joint             | 4    |            |      |
| 18  | 920200300004 |      | Microswitch       | 3    |            |      |
| 19  | 212225520021 |      | Fixing Plate      | 3    |            |      |
| 20  | 212325520005 |      | Connecting Rod    | 3    |            |      |
| 21  | 921800100027 |      | Sensor            | 1    |            |      |
| 22  | 212225520022 |      | Fixing Plate      | 1    |            |      |
| 23  | 212225510001 |      | Stop Plate        | 1    |            |      |
| 24  | 941100800001 |      | Pin               | 8    |            |      |
| 25  | 212325520000 |      | Steel Tube        | 1    |            |      |
| 26  | 201025510001 |      | Pin               | 1    |            |      |
| 27  | 213025020020 |      | Bracket           | 4    |            |      |
| 28  | 940500100006 |      | Bushing           | 6    |            |      |
| 29  | 212325510000 |      | Fixing Base       | 1    |            |      |
| 30  | 212325520010 |      | Fixing Plate      | 1    |            |      |

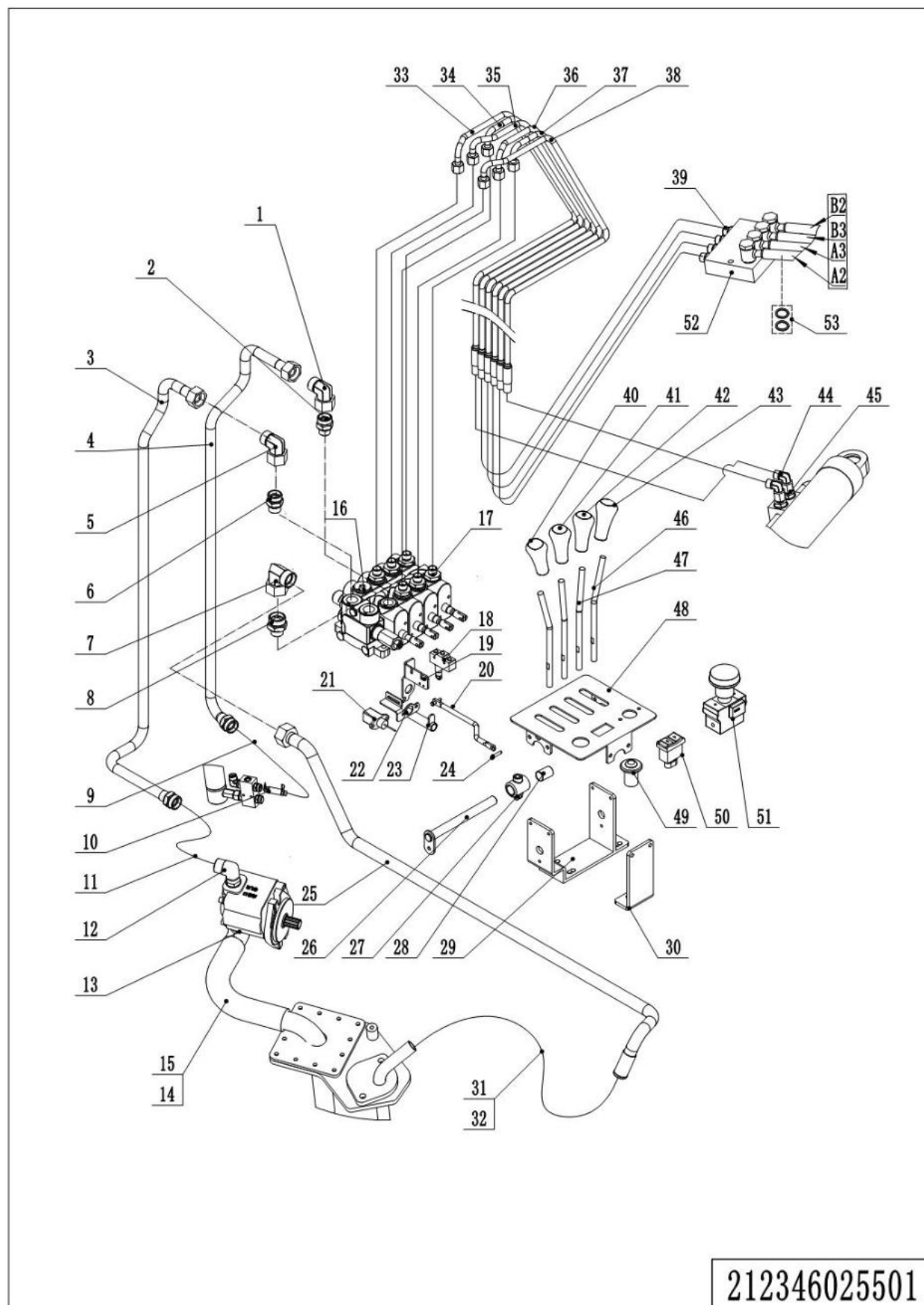
## 01 Hydraulic Circuit 3 (212346025001) Continuation



## 01 Hydraulic Circuit 3 (212346025001) Continuation

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 31  | 900200401003 |      | Pipe             | 600  |            |      |
| 32  | 911000600004 |      | Hose Clamp       | 2    |            |      |
| 33  | 212225520011 |      | Hose             | 1    |            |      |
| 34  | 212225520013 |      | Hose             | 1    |            |      |
| 35  | 212225520014 |      | Hose             | 1    |            |      |
| 36  | 212225520016 |      | Hose             | 1    |            |      |
| 37  | 950400400003 |      | Joint            | 2    |            |      |
| 38  | 951100300004 |      | Plug             | 2    |            |      |
| 39  | 951100300006 |      | Plug             | 2    |            |      |
| 40  | 253524520010 |      | Knob             | 1    |            |      |
| 41  | 216525020011 |      | Knob             | 1    |            |      |
| 42  | 253524520009 |      | Knob             | 1    |            |      |
| 43  | 950400200003 |      | Joint            | 2    |            |      |
| 44  | 950400400003 |      | Joint            | 2    |            |      |
| 45  | 212225520029 |      | Joystick         | 2    |            |      |
| 46  | 212225520028 |      | Joystick         | 1    |            |      |
| 47  | 212325020000 |      | Close Plate      | 1    |            |      |
| 48  | 920200700015 |      | Switch           | 1    |            |      |
| 49  | 920200800040 |      | Switch           | 1    |            |      |
| 50  | 920200100005 |      | Emergency Button | 1    |            |      |
| 51  | 212225520002 |      | Valve Block      | 1    |            |      |
| 52  | 910800900005 |      | Washer           | 4    |            |      |

## 02 Hydraulic Circuit 4 (212346025501)

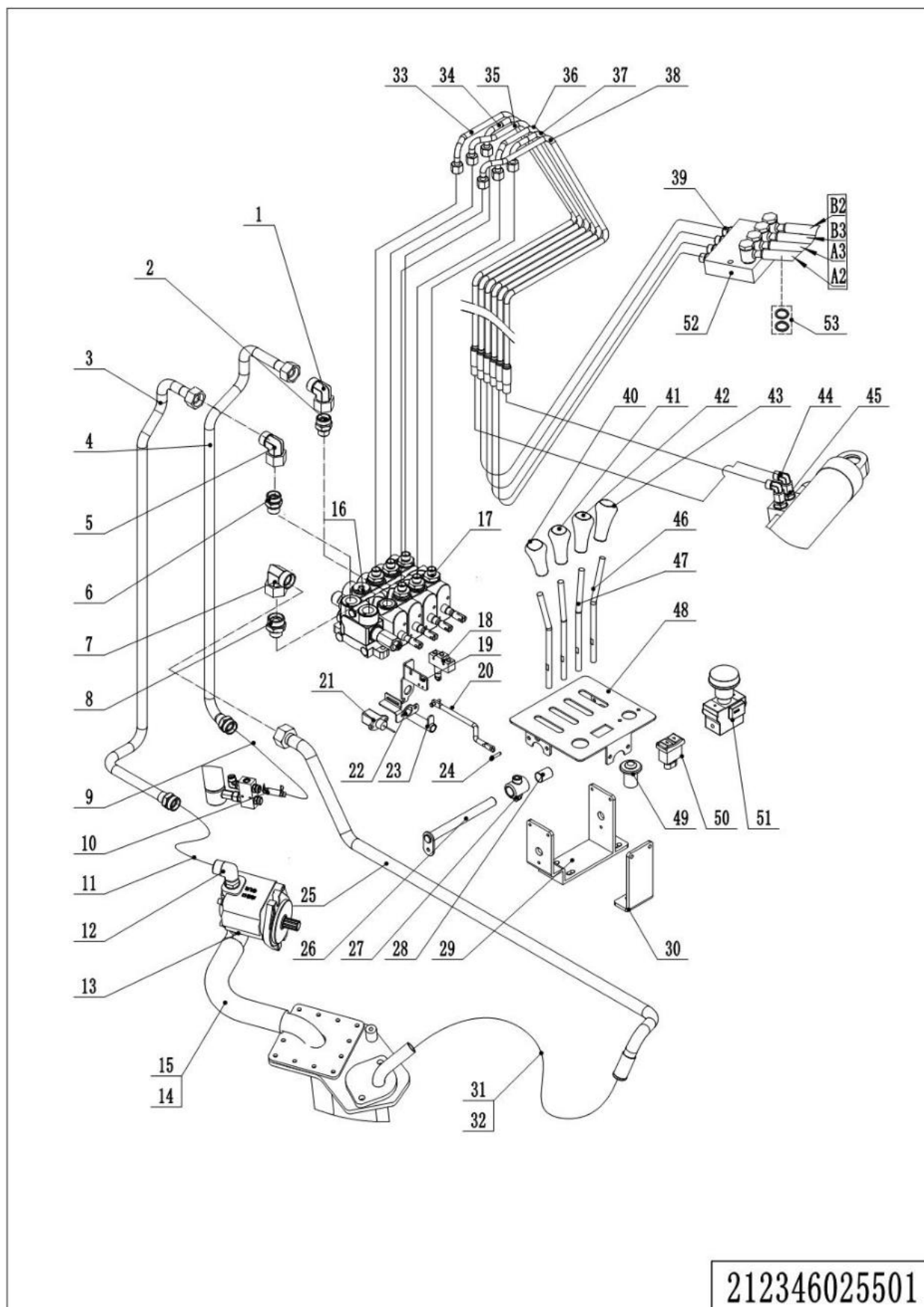


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

## 02 Hydraulic Circuit 4 (212346025501)

| No. | Item Code    | Mark | Item Description  | Qty. | Substitute | Note |
|-----|--------------|------|-------------------|------|------------|------|
| 1   | 950400200006 |      | Joint             | 1    |            |      |
| 2   | 213025020007 |      | Adapter           | 1    |            |      |
| 3   | 212325520003 |      | Steel Tube        | 1    |            |      |
| 4   | 212325520004 |      | Steel Tube        | 1    |            |      |
| 5   | 950400200006 |      | Joint             | 1    |            |      |
| 6   | 950400400008 |      | Joint             | 1    |            |      |
| 7   | 950400200007 |      | Joint             | 1    |            |      |
| 8   | 213025020008 |      | Adapter           | 1    |            |      |
| 9   | 212225520001 |      | Hose              | 1    |            |      |
| 10  | 950700300005 |      | Speed Limit Valve | 1    |            |      |
| 11  | 212325520002 |      | Hose              | 1    |            |      |
| 12  | 950401100005 |      | Joint             | 1    |            |      |
| 13  | 216525020008 |      | Adapter           | 1    |            |      |
| 14  | 212125020001 |      | Oil Tube          | 1    |            |      |
| 15  | 911000600006 |      | Hose Clamp        | 2    |            |      |
| 16  | 950700100006 |      | Multi-way Valve   | 1    |            |      |
| 17  | 950400400012 |      | Joint             | 6    |            |      |
| 18  | 920200300004 |      | Microswitch       | 4    |            |      |
| 19  | 212225520021 |      | Fixing Plate      | 4    |            |      |
| 20  | 212325520005 |      | Connecting Rod    | 4    |            |      |
| 21  | 921800100027 |      | Sensor            | 1    |            |      |
| 22  | 212225520022 |      | Fixing Plate      | 1    |            |      |
| 23  | 212225510001 |      | Stop Plate        | 1    |            |      |
| 24  | 941100800001 |      | Pin               | 8    |            |      |
| 25  | 212325520000 |      | Steel Tube        | 1    |            |      |
| 26  | 201025510001 |      | Pin               | 1    |            |      |
| 27  | 213025020020 |      | Bracket           | 4    |            |      |
| 28  | 940500100006 |      | Bushing           | 8    |            |      |
| 29  | 212325510000 |      | Fixing Base       | 1    |            |      |
| 30  | 212325520010 |      | Fixing Plate      | 1    |            |      |

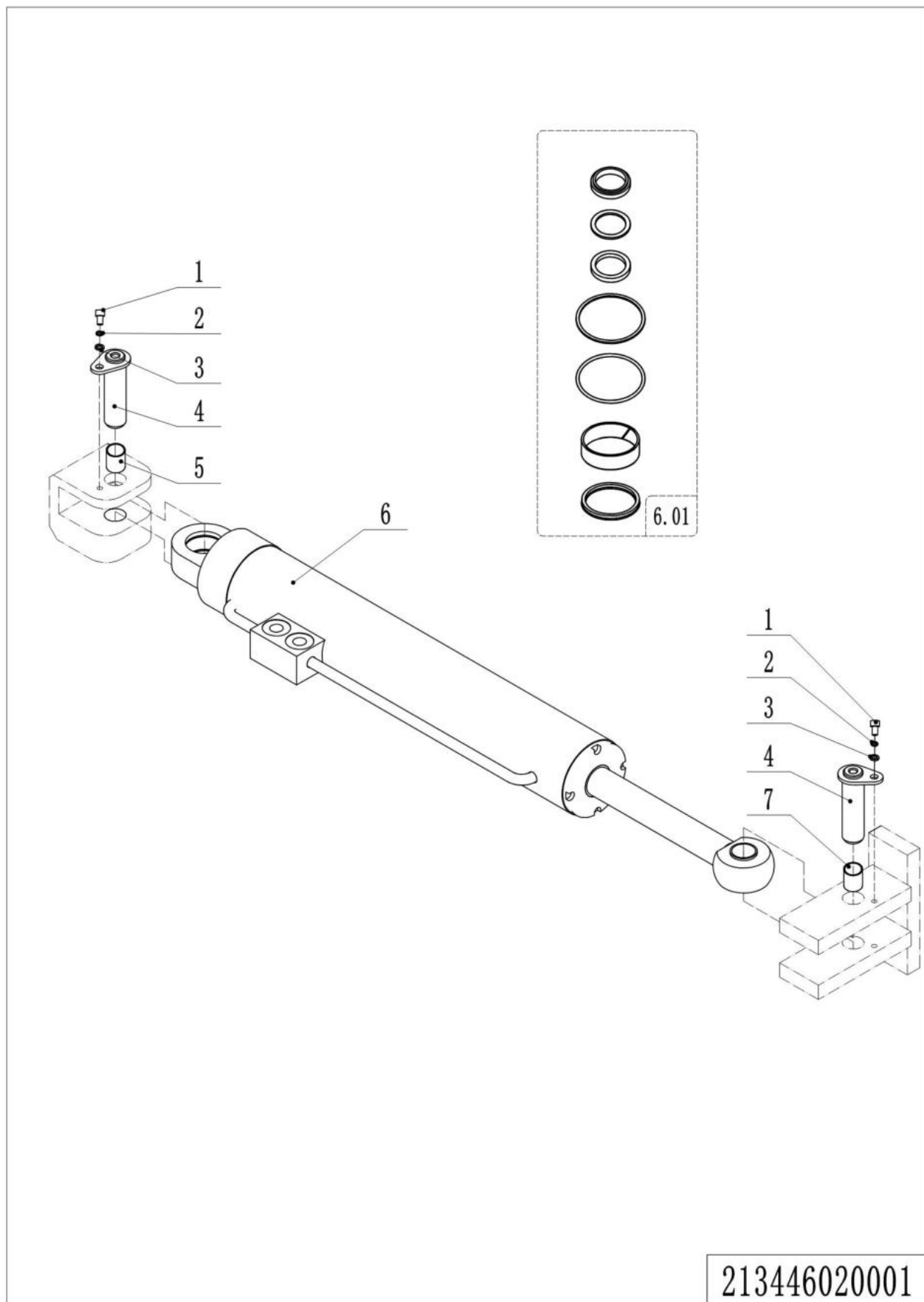
## 02 Hydraulic Circuit 4 (212346025501) Continuation



## 02 Hydraulic Circuit 4 (212346025501) Continuation

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note              |
|-----|--------------|------|------------------|------|------------|-------------------|
| 31  | 900200401003 |      | Pipe             | 600  |            |                   |
| 32  | 911000600004 |      | Hose Clamp       | 2    |            |                   |
| 33  | 212225520011 |      | Hose             | 1    |            | 10-L1690-1SC-24%d |
| 34  | 212225520012 |      | Hose             | 1    |            | 10-L1305-1SC-24%d |
| 35  | 212225520013 |      | Hose             | 1    |            | 10-L1220-1SC-24%d |
| 36  | 212225520014 |      | Hose             | 1    |            | 10-L1195-1SC-24%d |
| 37  | 212225520015 |      | Hose             | 1    |            | 10-L1175-1SC-24%d |
| 38  | 212225520016 |      | Hose             | 1    |            | 10-L1640-1SC-24%d |
| 39  | 950400400003 |      | Joint            | 4    |            | 10-2xM16x1.5-24%d |
| 40  | 253524520010 |      | Knob             | 1    |            |                   |
| 41  | 216525020011 |      | Knob             | 1    |            |                   |
| 42  | 253524520009 |      | Knob             | 1    |            |                   |
| 43  | 253525020002 |      | Knob             | 1    |            |                   |
| 44  | 950400200003 |      | Joint            | 2    |            | 10-2xM16x1.5-24%d |
| 45  | 950400400003 |      | Joint            | 2    |            | 10-2xM16x1.5-24%d |
| 46  | 212225520028 |      | Joystick         | 2    |            |                   |
| 47  | 212225520029 |      | Joystick         | 2    |            |                   |
| 48  | 212325510001 |      | Close Plate      | 1    |            |                   |
| 49  | 920200700015 |      | Switch           | 1    |            | 145000AB2138      |
| 50  | 920200800040 |      | Switch           | 1    |            |                   |
| 51  | 920200100005 |      | Emergency Button | 1    |            |                   |
| 52  | 212225520002 |      | Valve Block      | 1    |            |                   |
| 53  | 910800900005 |      | Washer           | 8    |            |                   |

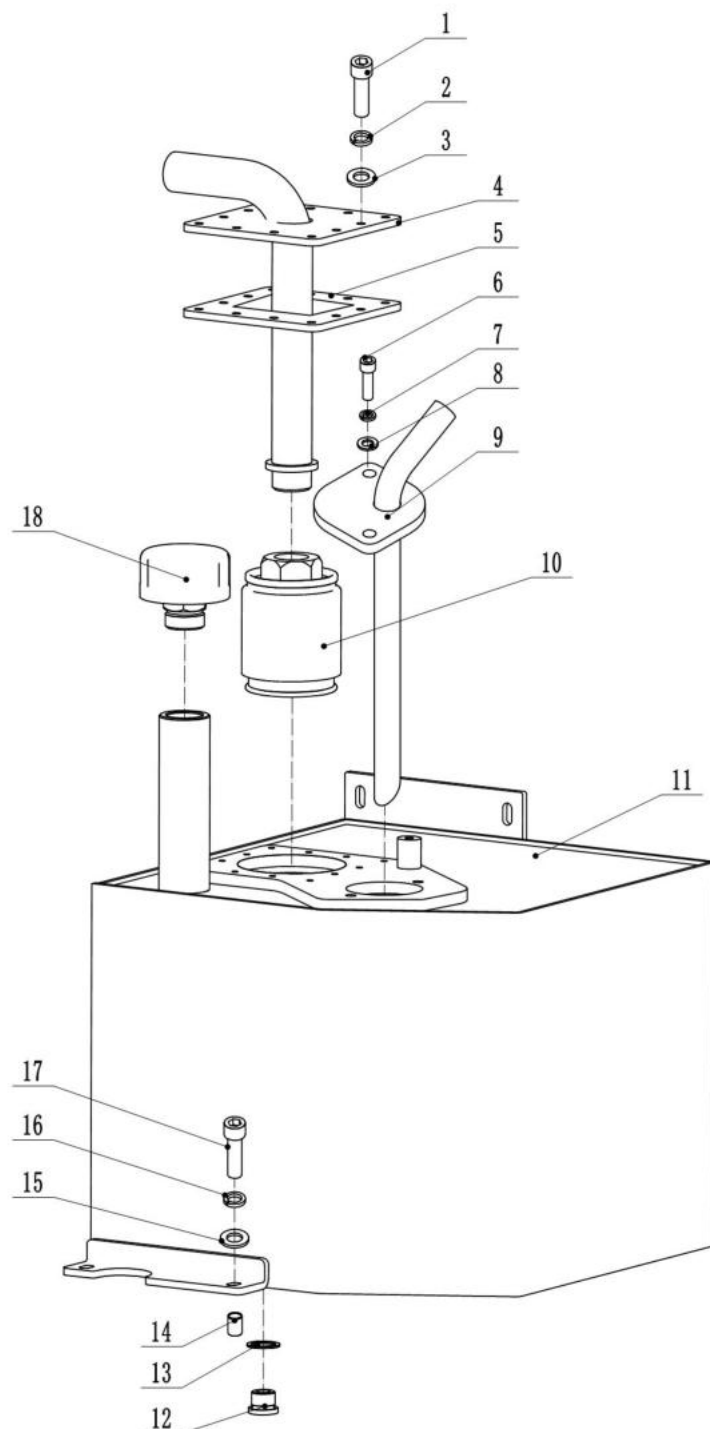
### 03 Reach Cylinder (213446020001)



1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

## 03 Reach Cylinder (213446020001)

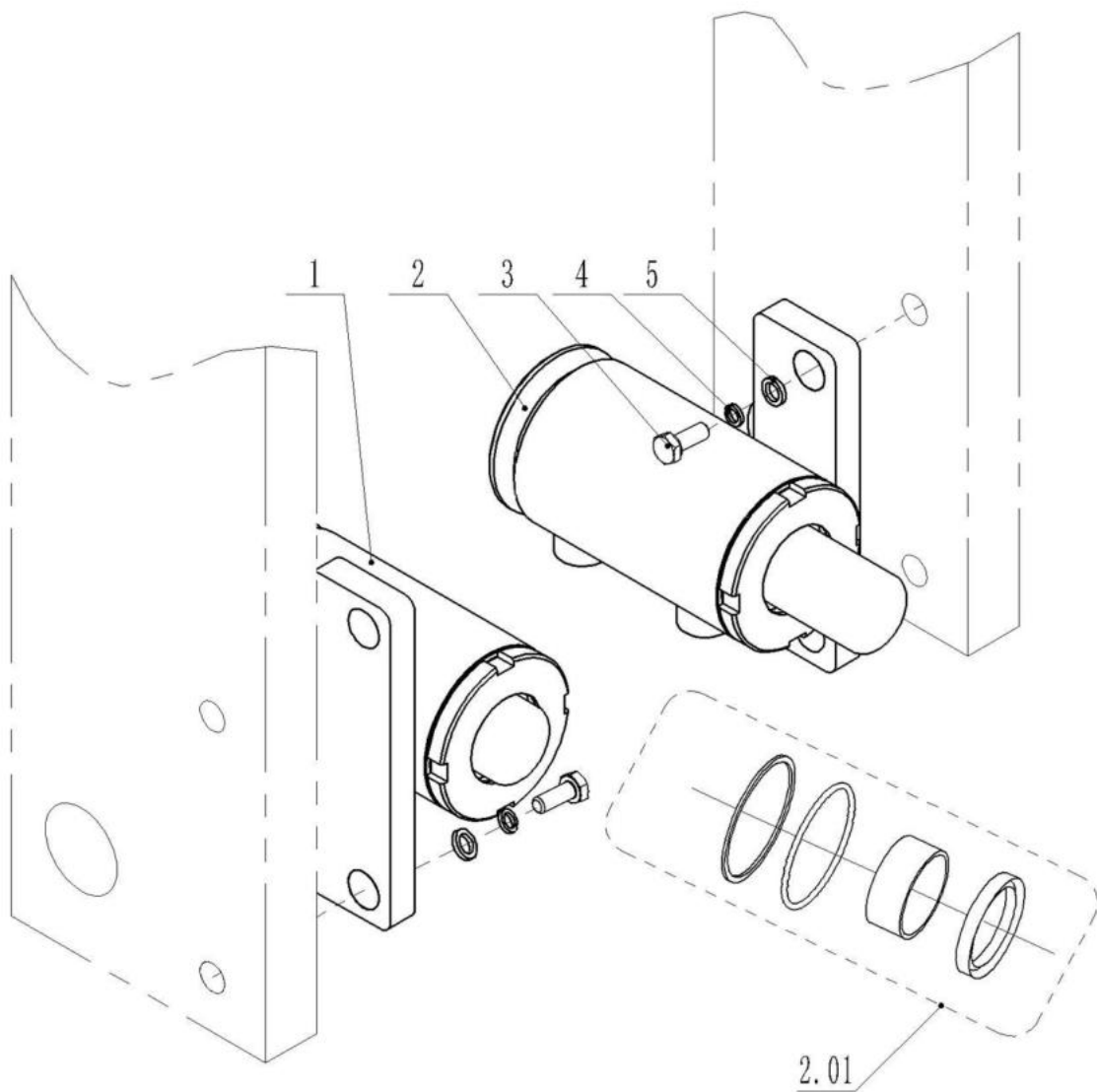
| No.  | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|------|--------------|------|------------------|------|------------|------|
| 1    | 910200200034 |      | Screw            | 2    |            |      |
| 2    | 910400500005 |      | Spring Washer    | 2    |            |      |
| 3    | 910400100005 |      | Flat Washer      | 2    |            |      |
| 4    | 212120010001 |      | Pin              | 2    |            |      |
| 5    | 212120020002 |      | Bushing          | 1    |            |      |
| 6    | 213120010000 |      | Cylinder         | 1    |            |      |
| 6.01 | 212198510004 |      | Seal Kit         | 1    |            |      |
| 7    | 212120020003 |      | Bushing          | 1    |            |      |

**04 Oil Tank (212346019001)**

212346019001

## 04 Oil Tank (212346019001)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 910200200035 |      | Screw            | 12   |            |      |
| 2   | 910400500005 |      | Spring Washer    | 12   |            |      |
| 3   | 910400100005 |      | Flat Washer      | 12   |            |      |
| 4   | 212119010001 |      | Cap-Tank         | 1    |            |      |
| 5   | 212119020000 |      | Sealing Gasket   | 1    |            |      |
| 6   | 910200200077 |      | Screw            | 2    |            |      |
| 7   | 910400500007 |      | Spring Washer    | 2    |            |      |
| 8   | 910400100007 |      | Flat Washer      | 2    |            |      |
| 9   | 212319010000 |      | Close Plate      | 1    |            |      |
| 10  | 951000400001 |      | Filter           | 1    |            |      |
| 11  | 212119010000 |      | Tank             | 1    |            |      |
| 12  | 255019020015 |      | Filler Plug      | 1    |            |      |
| 13  | 910800900001 |      | Bonded Washer    | 1    |            |      |
| 14  | 532621520062 |      | Crash Pad        | 1    |            |      |
| 15  | 910400100006 |      | Flat Washer      | 4    |            |      |
| 16  | 910400500006 |      | Spring Washer    | 4    |            |      |
| 17  | 910200200058 |      | Screw            | 4    |            |      |
| 18  | 212119020019 |      | Screw Plug       | 1    |            |      |

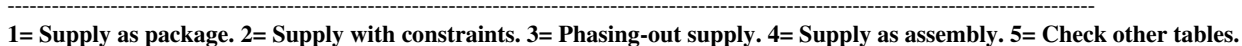
**05 Tilt Cylinder (212146020501)**

212146020501

## 05 Tilt Cylinder (212146020501)

| No.  | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|------|--------------|------|------------------|------|------------|------|
| 1    | 214120510001 |      | Tilt Cylinder    | 1    |            |      |
| 2    | 214120510000 |      | Tilt Cylinder    | 1    |            |      |
| 2.01 | 212198510000 |      | Seal Kit         | 2    |            |      |
| 3    | 910100300063 |      | Bolt             | 4    |            |      |
| 4    | 910400500009 |      | Spring Washer    | 4    |            |      |
| 5    | 910400100009 |      | Flat Washer      | 4    |            |      |

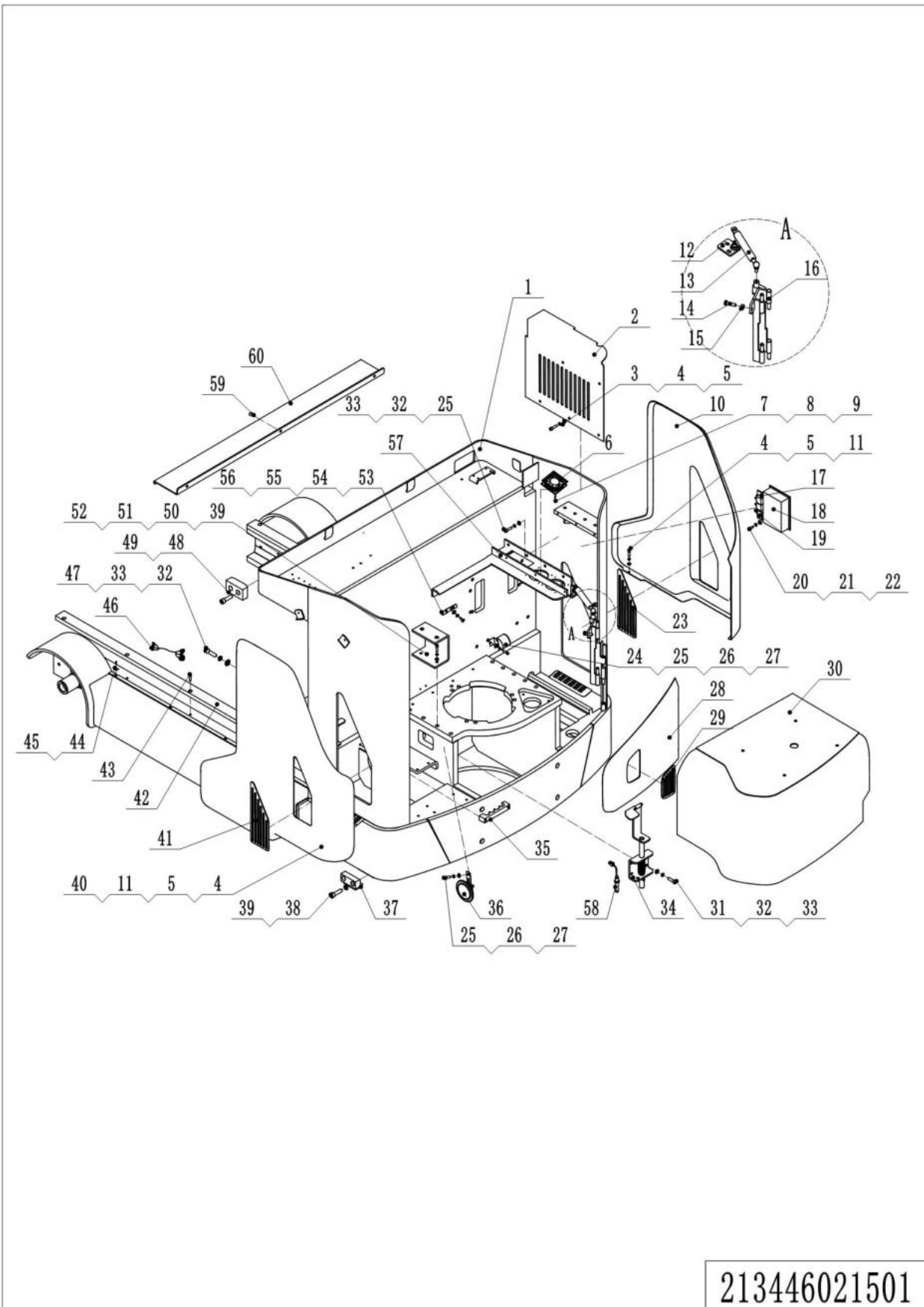
## 01 Chassis (213446021501)



## 01 Chassis (213446021501)

| No. | Item Code    | Mark | Item Description  | Qty. | Substitute | Note |
|-----|--------------|------|-------------------|------|------------|------|
| 1   | 213121510000 |      | Chassis           | 1    |            |      |
| 2   | 212121510005 |      | Cover             | 1    |            |      |
| 3   | 910200300017 |      | Screw             | 6    |            |      |
| 4   | 910400500005 |      | Spring Washer     | 16   |            |      |
| 5   | 910400100005 |      | Flat Washer       | 16   |            |      |
| 6   | 212133510018 |      | Fan               | 2    |            |      |
| 7   | 910200500028 |      | Screw             | 8    |            |      |
| 8   | 910400500003 |      | Spring Washer     | 8    |            |      |
| 9   | 910400100003 |      | Flat Washer       | 8    |            |      |
| 10  | 212121520092 |      | Side Plate(right) | 1    |            |      |
| 11  | 910200200036 |      | Screw             | 10   |            |      |
| 12  | 212121510008 |      | Fixing Base       | 1    |            |      |
| 13  | 212121520048 |      | Gas Spring        | 1    |            |      |
| 14  | 910100300024 |      | Bolt              | 1    |            |      |
| 15  | 910300100006 |      | Nut               | 1    |            |      |
| 16  | 212121510002 |      | Hinge             | 1    |            |      |
| 17  | 920800100001 |      | Relay             | 2    |            |      |
| 18  | 921900100014 |      | Converter         | 1    |            |      |
| 19  | 922000100005 |      | Lamp              | 1    |            |      |
| 20  | 910200500037 |      | Screw             | 7    |            |      |
| 21  | 910400500004 |      | Spring Washer     | 7    |            |      |
| 22  | 910400100004 |      | Flat Washer       | 7    |            |      |
| 23  | 212121520101 |      | Vent              | 1    |            |      |
| 24  | 920500100002 |      | Horn              | 1    |            |      |
| 25  | 910200200055 |      | Screw             | 8    |            |      |
| 26  | 910400500006 |      | Spring Washer     | 2    |            |      |
| 27  | 910400100006 |      | Flat Washer       | 2    |            |      |
| 28  | 212121520091 |      | Cover             | 1    |            |      |
| 29  | 212121520102 |      | Vent              | 1    |            |      |
| 30  | 212121510009 |      | Cover             | 1    |            |      |

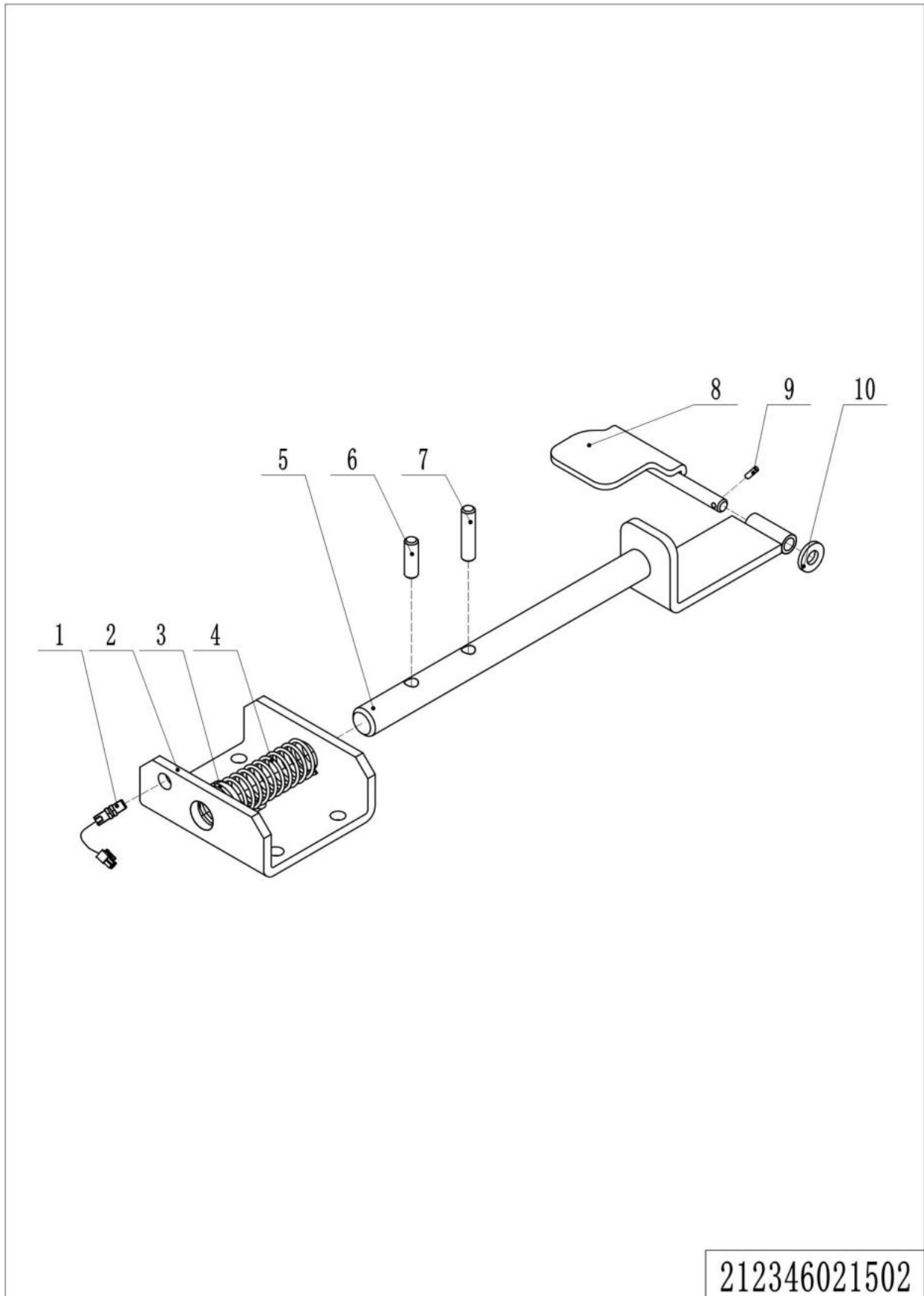
# 01 Chassis (213446021501) Continuation



213446021501

## 01 Chassis (213446021501) Continuation

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note              |
|-----|--------------|------|------------------|------|------------|-------------------|
| 31  | 910200200060 |      | Screw            | 4    |            |                   |
| 32  | 910400500006 |      | Spring Washer    | 12   |            |                   |
| 33  | 910400100006 |      | Flat Washer      | 12   |            |                   |
| 34  | /            | 5    | Handle Assembly  | 1    |            | 212346021502      |
| 35  | 212121520064 |      | Fixing Plate     | 1    |            |                   |
| 36  | 920500100001 |      | Horn             | 1    |            |                   |
| 37  | 212121520068 |      | Support Leg      | 2    |            |                   |
| 38  | 910200200099 |      | Screw            | 4    |            |                   |
| 39  | 910400500008 |      | Spring Washer    | 6    |            |                   |
| 40  | 212121520093 |      | Side Plate(left) | 1    |            |                   |
| 41  | 212121520100 |      | Vent             | 1    |            |                   |
| 42  | 213121520000 |      | Guide Rail       | 2    |            |                   |
| 43  | 910200200058 |      | Screw            | 8    |            |                   |
| 44  | 212121520075 |      | Press Plate      | 8    |            |                   |
| 45  | 910200300011 |      | Screw            | 8    |            |                   |
| 46  | 212333010001 |      | Wire Harness     | 1    |            |                   |
| 47  | 910200200065 |      | Screw            | 2    |            |                   |
| 48  | 216521520001 |      | Crash Pad        | 2    |            |                   |
| 49  | 910200200098 |      | Screw            | 4    |            |                   |
| 50  | 212121520047 |      | Fixing Plate     | 1    |            |                   |
| 51  | 910100300096 |      | Bolt             | 2    |            |                   |
| 52  | 910400100008 |      | Flat Washer      | 2    |            |                   |
| 53  | 921300300005 |      | Holder           | 1    |            |                   |
| 54  | 910200500037 |      | Screw            | 2    |            |                   |
| 55  | 910400500004 |      | Spring Washer    | 2    |            |                   |
| 56  | 910400100004 |      | Flat Washer      | 2    |            |                   |
| 57  | 212121510006 |      | Fixing Base      | 1    |            |                   |
| 58  | 212133510007 |      | Proximity Switch | 1    |            | Fi4-G12-OP6L-L70P |
| 59  | 941100100001 |      | Screw            | 3    |            |                   |
| 60  | 213121520011 |      | Guard Plate      | 1    |            |                   |

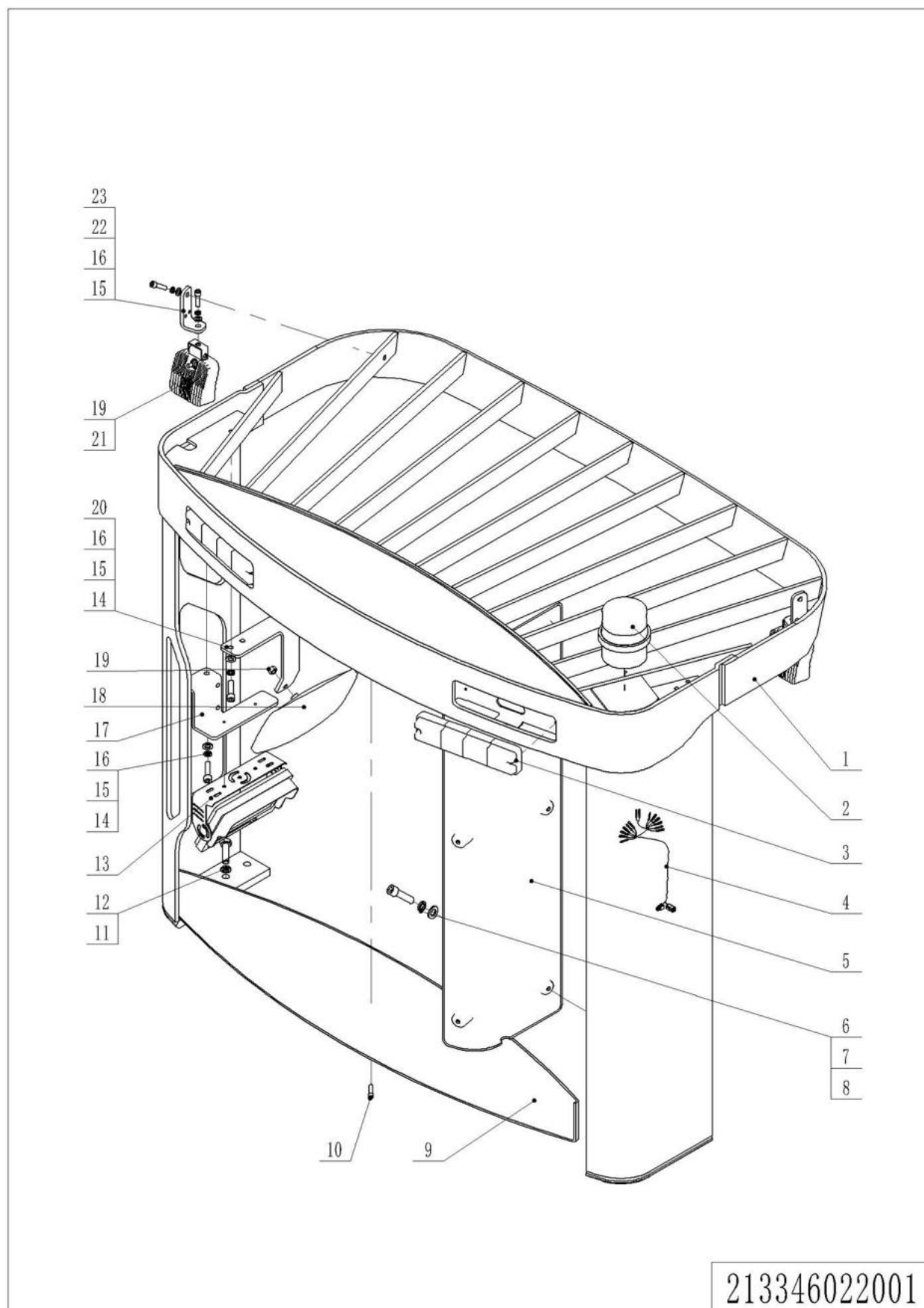
**02 Handle Assembly (212346021502)**

1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

## 02 Handle Assembly (212346021502)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 212133510007 |      | Proximity Switch | 1    |            |      |
| 2   | 212121520050 |      | Fixing Plate     | 1    |            |      |
| 3   | 212121520052 |      | Washer           | 1    |            |      |
| 4   | 212121520051 |      | Spring           | 1    |            |      |
| 5   | 212121510004 |      | Bracket          | 1    |            |      |
| 6   | 910600400044 |      | Spring Pin       | 1    |            |      |
| 7   | 910600400046 |      | Spring Pin       | 1    |            |      |
| 8   | 212121510003 |      | Bolt             | 1    |            |      |
| 9   | 910600400002 |      | Spring Pin       | 1    |            |      |
| 10  | 910400100006 |      | Flat Washer      | 1    |            |      |

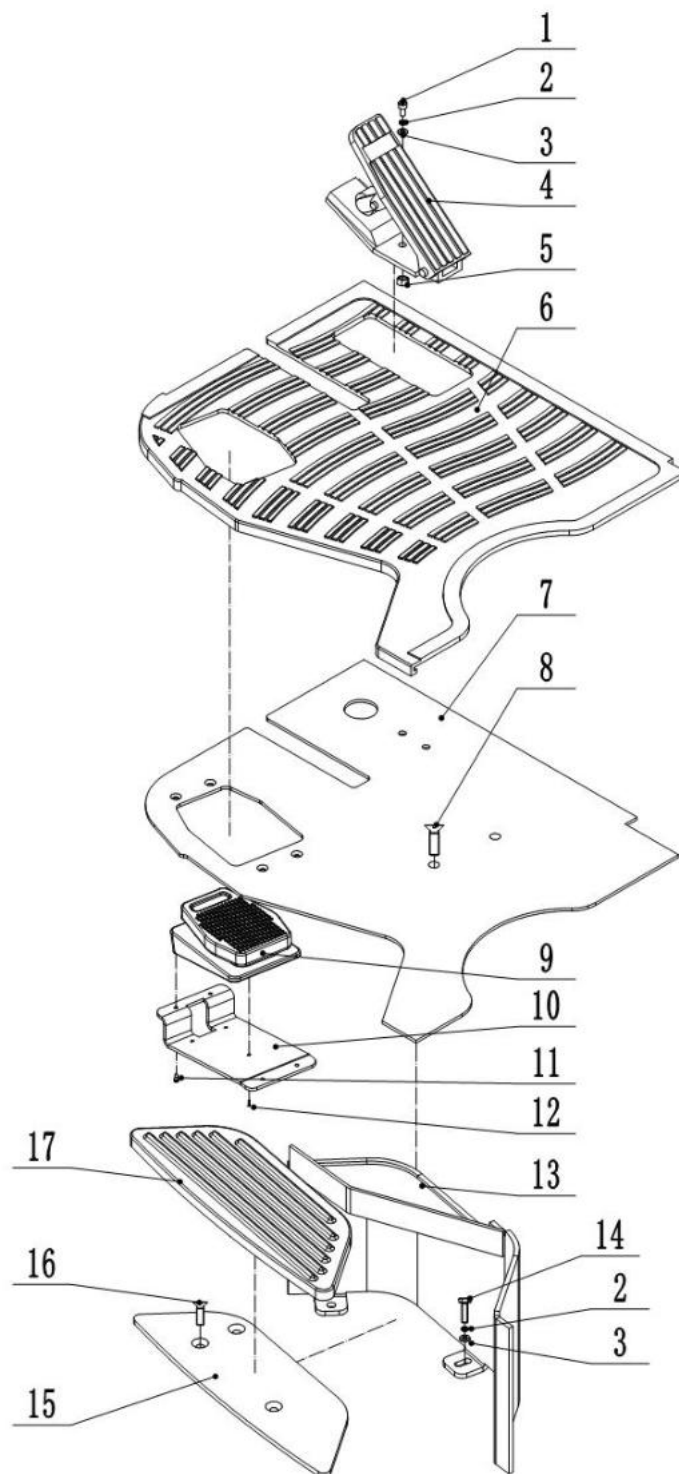
### 03 Overhead Guard (213346022001)



1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

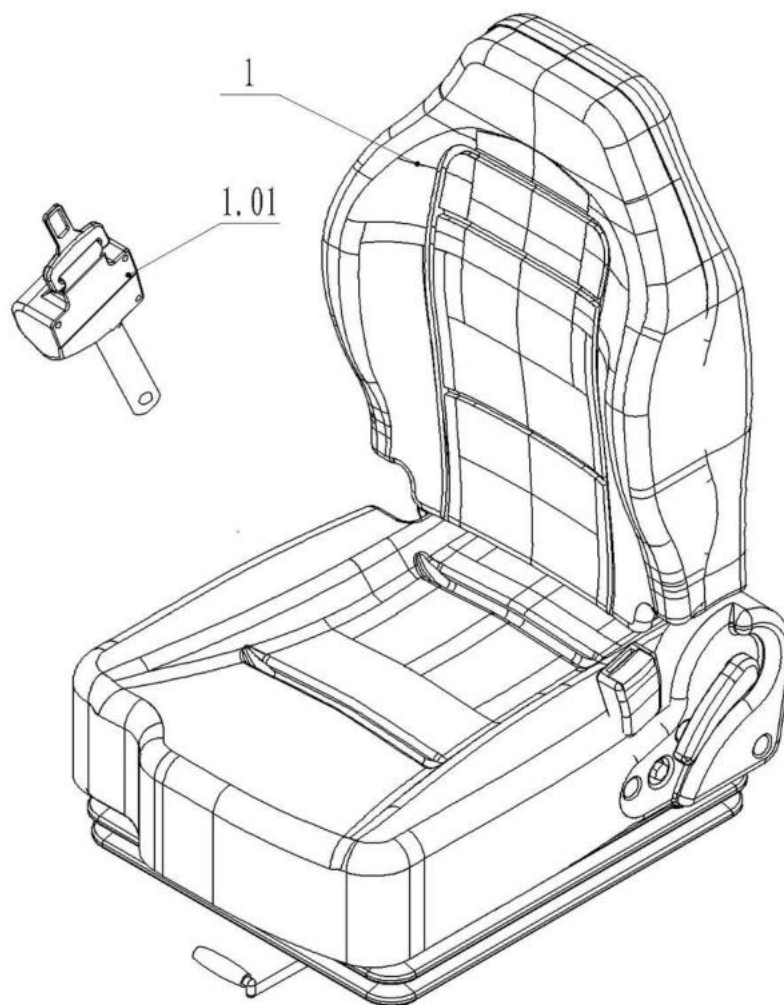
## 03 Overhead Guard (213346022001)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 212122010000 |      | Overhead Guard   | 1    |            |      |
| 2   | 922000100004 |      | Lamp             | 1    |            |      |
| 3   | 922000100003 |      | Lamp             | 2    |            |      |
| 4   | 212133010013 |      | Wire Harness     | 1    |            |      |
| 5   | 212122020021 |      | Cover            | 1    |            |      |
| 6   | 910200300017 |      | Screw            | 6    |            |      |
| 7   | 910400500005 |      | Spring Washer    | 6    |            |      |
| 8   | 910400100005 |      | Flat Washer      | 6    |            |      |
| 9   | 212122020020 |      | Cover            | 1    |            |      |
| 10  | 910200300017 |      | Screw            | 1    |            |      |
| 11  | 910200300037 |      | Screw            | 8    |            |      |
| 12  | 910400500008 |      | Spring Washer    | 8    |            |      |
| 13  | /            | 5    | Monitor          | 1    |            |      |
| 14  | 910200200055 |      | Screw            | 4    |            |      |
| 15  | 910400500006 |      | Spring Washer    | 8    |            |      |
| 16  | 910400100006 |      | Flat Washer      | 8    |            |      |
| 17  | 212122020018 |      | Bolt             | 1    |            |      |
| 18  | 940800100001 |      | Rearview Mirror  | 1    |            |      |
| 19  | 910300100006 |      | Nut              | 5    |            |      |
| 20  | 212122020022 |      | Mirror           | 1    |            |      |
| 21  | 922000100016 |      | Lamp             | 2    |            |      |
| 22  | 910200200058 |      | Screw            | 4    |            |      |
| 23  | 212122020023 |      | Mounting Plate   | 2    |            |      |

**04 Platform (212146018001)****212146018001**

## 04 Platform (212146018001)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 910200200057 |      | Screw            | 2    |            |      |
| 2   | 910400100006 |      | Flat Washer      | 4    |            |      |
| 3   | 910400500006 |      | Spring Washer    | 4    |            |      |
| 4   | 921700100005 |      | Accelerator      | 1    |            |      |
| 5   | 910300100006 |      | Nut              | 2    |            |      |
| 6   | 212118020000 |      | Mat              | 1    |            |      |
| 7   | 213318020001 |      | Platform         | 1    |            |      |
| 8   | 910200400033 |      | Screw            | 2    |            |      |
| 9   | 212133510019 |      | Foot Switch      | 1    |            |      |
| 10  | 212118020008 |      | Mounting Plate   | 1    |            |      |
| 11  | 910200400009 |      | Screw            | 4    |            |      |
| 12  | 212198520048 |      | Screw,M3.5x16    | 3    |            |      |
| 13  | 212118010000 |      | Bracket          | 1    |            |      |
| 14  | 910100300022 |      | Bolt             | 2    |            |      |
| 15  | 212118010001 |      | Platform         | 1    |            |      |
| 16  | 910200400026 |      | Screw            | 3    |            |      |
| 17  | 212118020002 |      | Mat              | 1    |            |      |

**05 Seat (213346037501)**

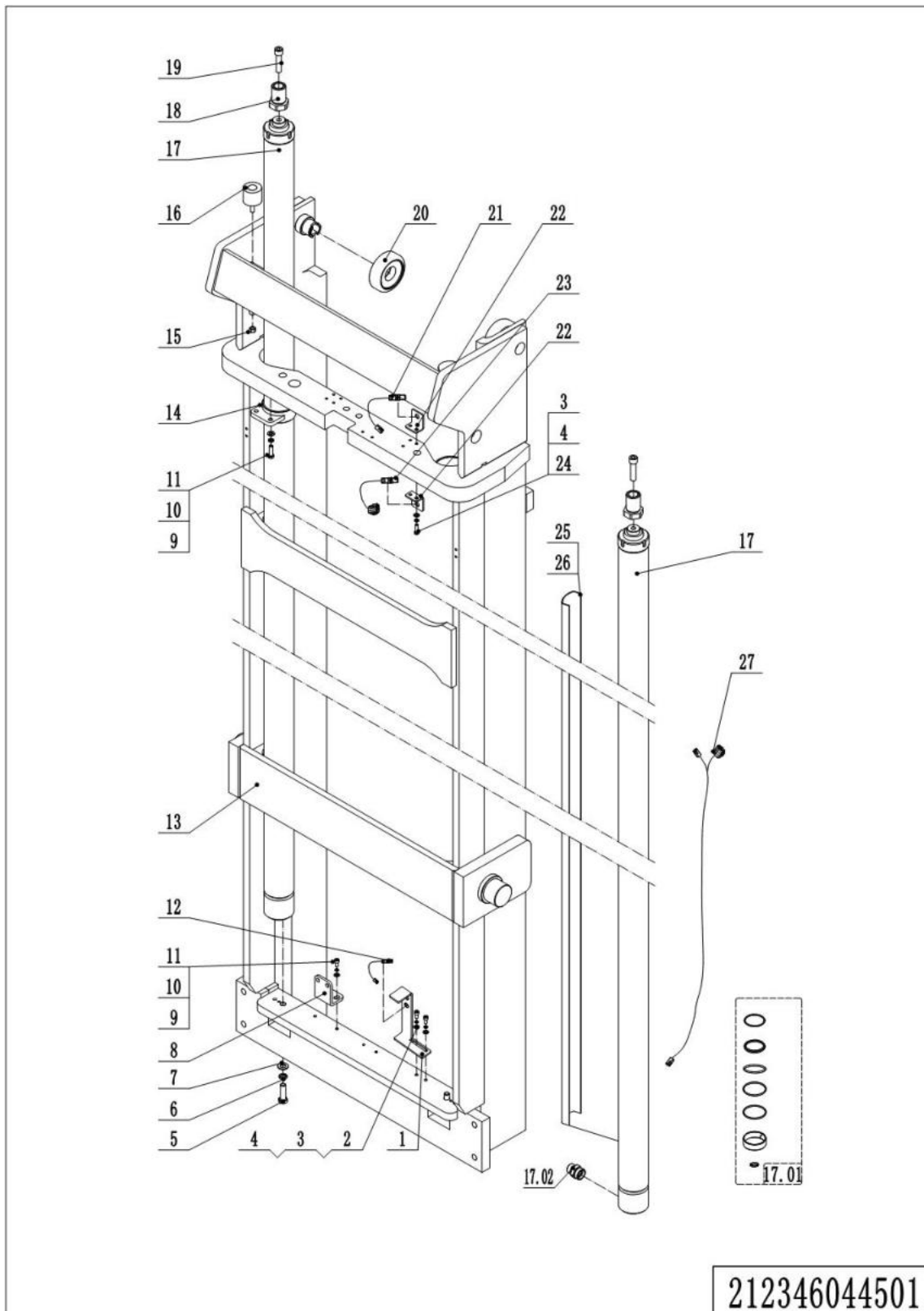
213346037501

## 05 Seat (213346037501)

| No.  | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|------|--------------|------|------------------|------|------------|------|
| 1    | 213037510000 |      | Seat             | 1    |            |      |
| 1.01 | 213098510052 |      | Safety Belt      | 1    |            |      |

## Chapter 4: Mast

### 01 Outer Mast (212346044501)

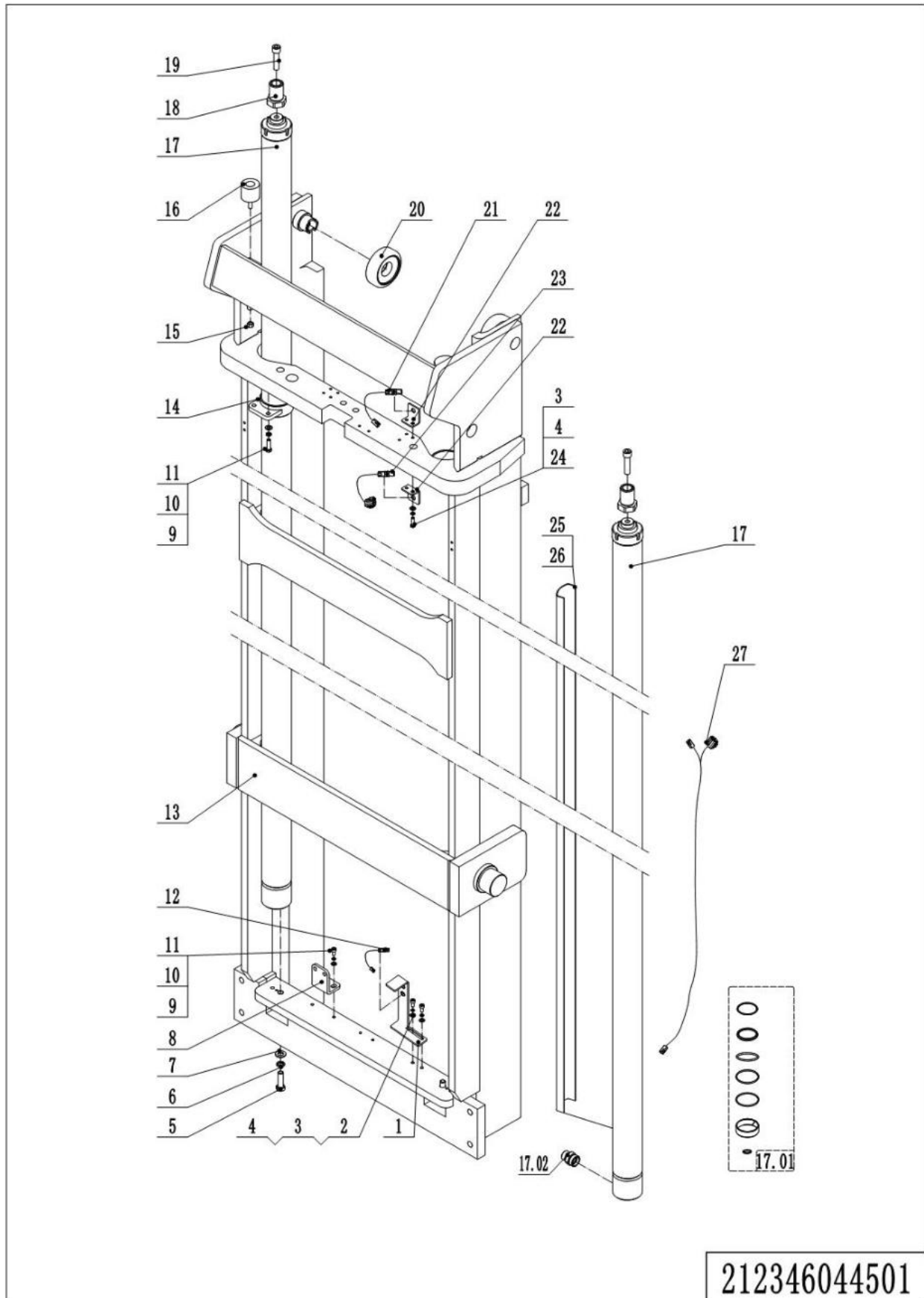


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

## 01 Outer Mast (212346044501)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 212144520297 |      | Fixing Plate     | 1    |            |      |
| 2   | 910200200033 |      | Screw            | 2    |            |      |
| 3   | 910400500005 |      | Spring Washer    | 6    |            |      |
| 4   | 910400100005 |      | Flat Washer      | 6    |            |      |
| 5   | 910100400011 |      | Bolt             | 2    |            |      |
| 6   | 910400500008 |      | Spring Washer    | 2    |            |      |
| 7   | 910400100008 |      | Flat Washer      | 2    |            |      |
| 8   | 212144520062 |      | Fixing Plate     | 1    |            |      |
| 9   | 910200200058 |      | Screw            | 6    |            |      |
| 10  | 910400500006 |      | Spring Washer    | 6    |            |      |
| 11  | 910400100006 |      | Flat Washer      | 6    |            |      |
| 12  | 212133510005 |      | Proximity Switch | 1    |            |      |
| 13  | 212144510005 |      | Outer Mast(4500) | 1    |            | 4500 |
| 13  | 212144510006 |      | Outer Mast(5000) |      |            | 5000 |
| 13  | 212144510007 |      | Outer Mast(5500) |      |            | 5500 |
| 13  | 212144510008 |      | Outer Mast(6000) |      |            | 6000 |
| 13  | 212144510009 |      | Outer Mast(6500) |      |            | 6500 |
| 13  | 212144510010 |      | Outer Mast(7000) |      |            | 7000 |
| 13  | 212144510011 |      | Outer Mast(7500) |      |            | 7500 |
| 13  | 212144510012 |      | Outer Mast(8000) |      |            | 8000 |
| 13  | 212144510013 |      | Outer Mast(8500) |      |            | 8500 |
| 13  | 212144510014 |      | Outer Mast(9000) |      |            | 9000 |
| 13  | 212144510015 |      | Outer Mast(9500) |      |            | 9500 |
| 14  | 212144510048 |      | Fixing Base      | 2    |            |      |
| 15  | 910300500004 |      | Nut              | 2    |            |      |
| 16  | 212144520065 |      | Crash Pad        | 2    |            |      |
| 17  | 212144510055 |      | Cylinder         | 2    |            | 4500 |
| 17  | 212144510056 |      | Cylinder         | 2    |            | 5000 |
| 17  | 212144510057 |      | Cylinder         | 2    |            | 5500 |
| 17  | 212144510058 |      | Cylinder         | 2    |            | 6000 |

# 01 Outer Mast (212346044501) Continuation1

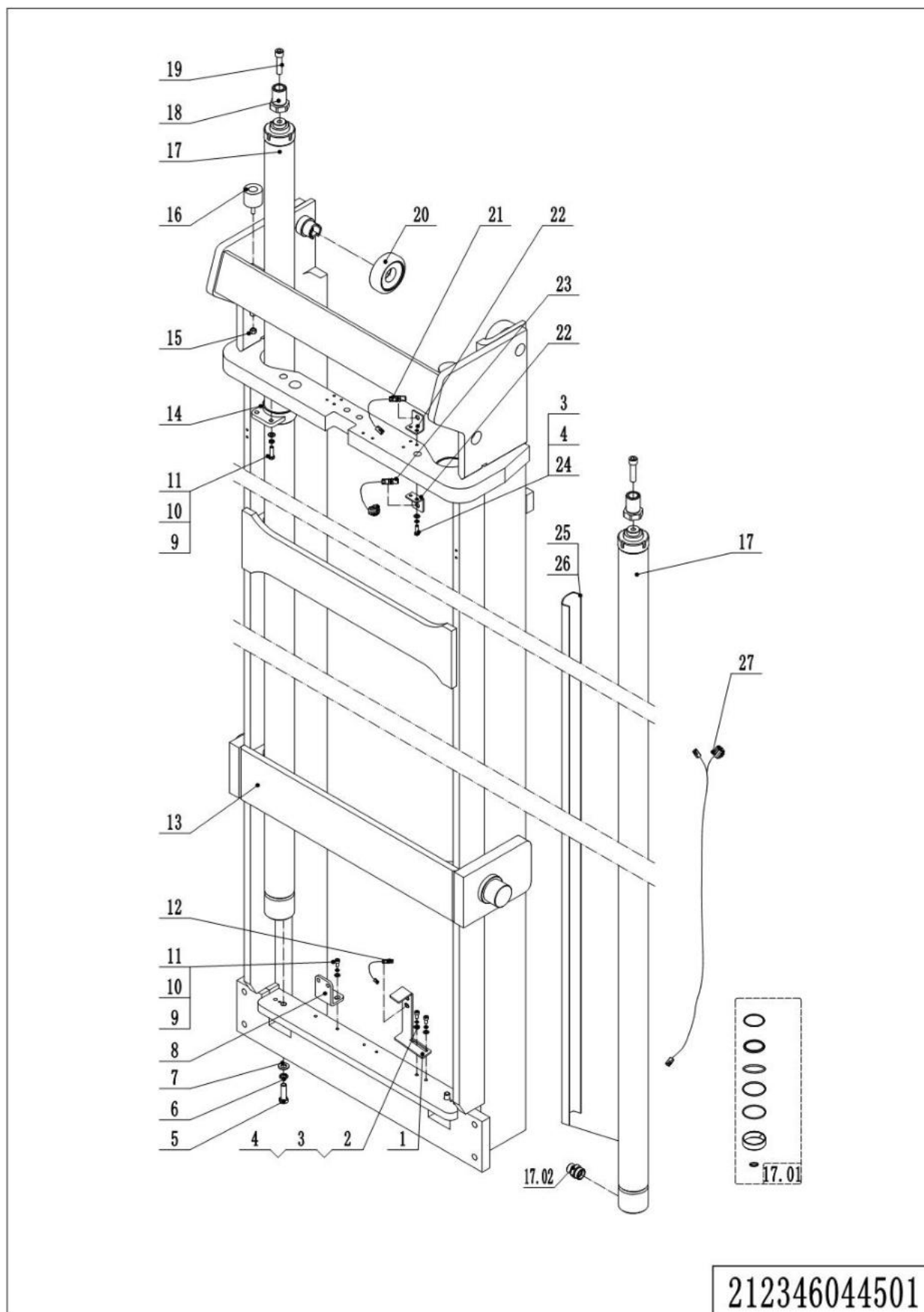


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

## 01 Outer Mast (212346044501) Continuation1

| No.   | Item Code    | Mark | Item Description     | Qty. | Substitute | Note    |
|-------|--------------|------|----------------------|------|------------|---------|
| 17    | 212144510059 |      | Cylinder             | 2    |            | 6500    |
| 17    | 212144510060 |      | Cylinder             | 2    |            | 7000    |
| 17    | 212144510061 |      | Cylinder             | 2    |            | 7500    |
| 17    | 212144510062 |      | Cylinder             | 2    |            | 8000    |
| 17    | 212144510063 |      | Cylinder             | 2    |            | 8500    |
| 17    | 212144510064 |      | Cylinder             | 2    |            | 9000    |
| 17    | 212144510065 |      | Cylinder             | 2    |            | 9500    |
| 17.01 | 212198510002 |      | Seal Kit             | 1    |            |         |
| 17.02 | 212198520022 |      | Anti-explosion Valve | 1    |            |         |
| 18    | 212144520060 |      | Barrel               | 2    |            |         |
| 19    | 910100300054 |      | Bolt                 | 2    |            |         |
| 20    | 940200300052 |      | Compound Roller      | 2    |            |         |
| 21    | 212133510008 |      | Proximity Switch     | 1    |            |         |
| 22    | 212144520061 |      | Fixing Plate         | 2    |            |         |
| 23    | 212133510006 |      | Proximity Switch     | 1    |            |         |
| 24    | 910200500052 |      | Screw                | 4    |            |         |
| 25    | 212144520250 |      | Shield               | 1    |            | Several |
| 25    | 212144520251 |      | Shield               | 1    |            | Several |
| 25    | 212144520252 |      | Shield               | 1    |            | Several |
| 25    | 212144520253 |      | Shield               | 1    |            | Several |
| 25    | 212144520295 |      | Shield               | 1    |            | Several |
| 26    | 911000600007 |      | Hose Clamp           | 6    |            | Several |
| 27    | 212133010019 |      | Wire Harness         | 1    |            | 4500    |
| 27    | 212133010020 |      | Wire Harness         | 1    |            | 5000    |
| 27    | 212133010022 |      | Wire Harness         | 1    |            | 5500    |
| 27    | 212133010023 |      | Wire Harness         | 1    |            | 6000    |
| 27    | 212133010024 |      | Wire Harness         | 1    |            | 6500    |
| 27    | 212133010025 |      | Wire Harness         | 1    |            | 7000    |
| 27    | 212133010026 |      | Wire Harness         | 1    |            | 7500    |
| 27    | 212133010027 |      | Wire Harness         | 1    |            | 8000    |

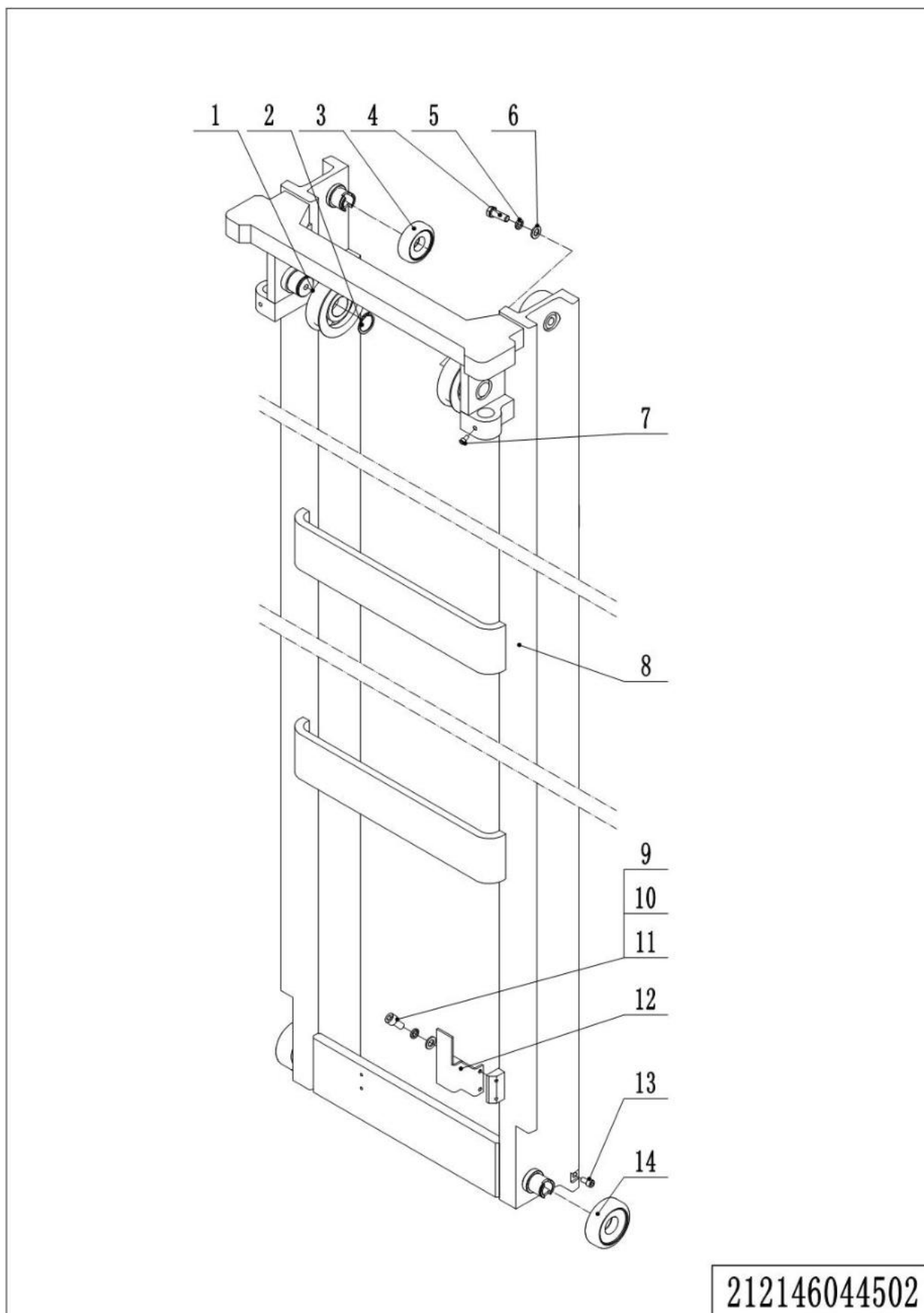
## 01 Outer Mast (212346044501) Continuation 2



1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

## 01 Outer Mast (212346044501) Continuation 2

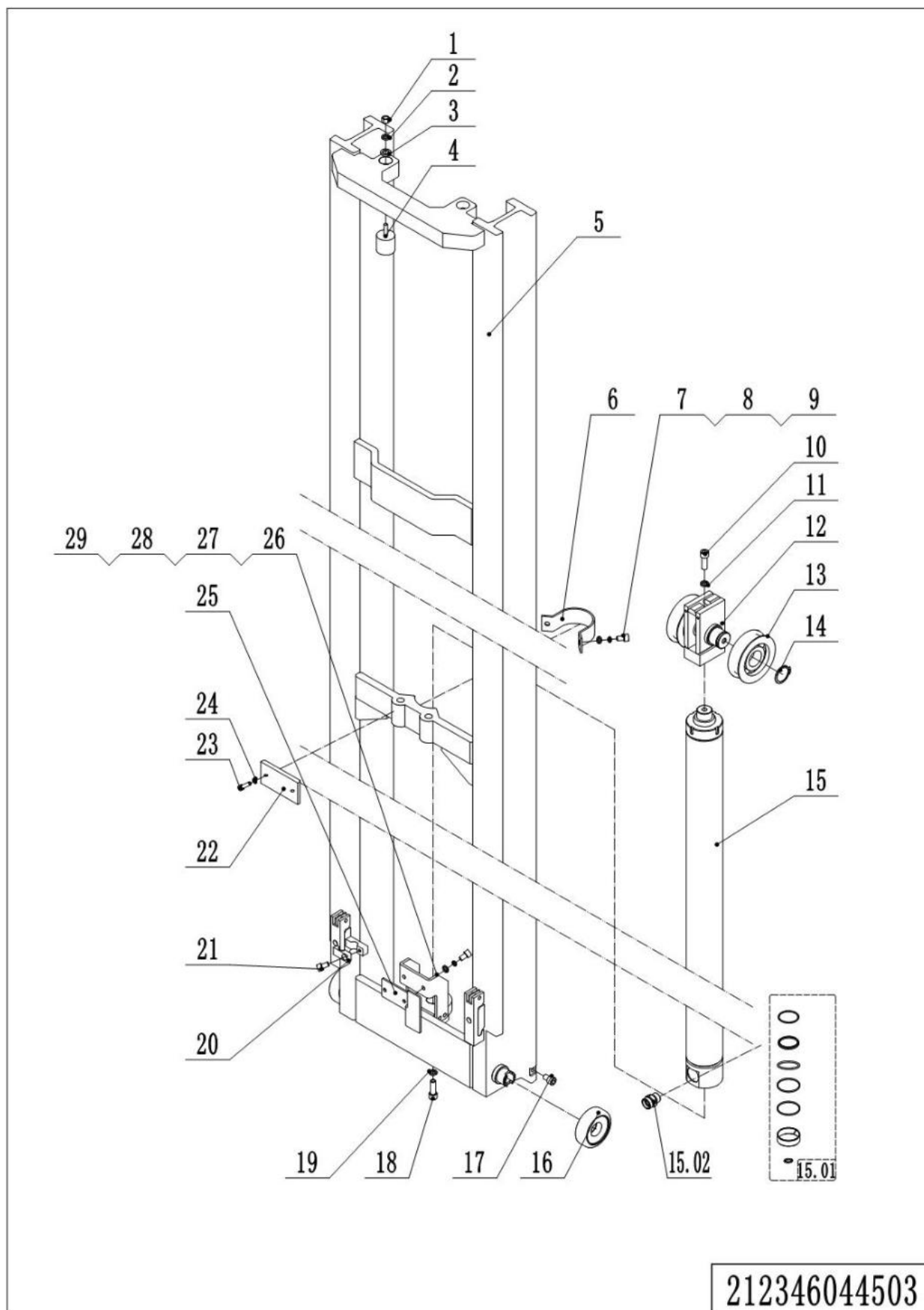
| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 27  | 212133010028 |      | Wire Harness     | 1    |            | 8500 |
| 27  | 212133010029 |      | Wire Harness     | 1    |            | 9000 |
| 27  | 212133010017 |      | Wire Harness     | 1    |            | 9500 |

**02 Middle Mast (212146044502)**

## 02 Middle Mast (212146044502)

| No. | Item Code    | Mark | Item Description  | Qty. | Substitute | Note |
|-----|--------------|------|-------------------|------|------------|------|
| 1   | 940200500001 |      | Sprocket Bearing  | 2    |            |      |
| 2   | 910401300020 |      | Circlip           | 2    |            |      |
| 3   | 940200300046 |      | Compound Roller   | 2    |            |      |
| 4   | 910100300051 |      | Bolt              | 1    |            |      |
| 5   | 910400500008 |      | Spring Washer     | 1    |            |      |
| 6   | 910400100008 |      | Flat Washer       | 1    |            |      |
| 7   | 910200900014 |      | Screw             | 2    |            |      |
| 8   | 212144510020 |      | Middle Mast(4500) | 1    |            | 4500 |
| 8   | 212144510021 |      | Middle Mast(5000) | 1    |            | 5000 |
| 8   | 212144510022 |      | Middle Mast(5500) | 1    |            | 5500 |
| 8   | 212144510023 |      | Middle Mast(6000) | 1    |            | 6000 |
| 8   | 212144510024 |      | Middle Mast(6500) | 1    |            | 6500 |
| 8   | 212144510025 |      | Middle Mast(7000) | 1    |            | 7000 |
| 8   | 212144510026 |      | Middle Mast(7500) | 1    |            | 7500 |
| 8   | 212144510027 |      | Middle Mast(8000) | 1    |            | 8000 |
| 8   | 212144510028 |      | Middle Mast(8500) | 1    |            | 8500 |
| 8   | 212144510029 |      | Middle Mast(9000) | 1    |            | 9000 |
| 8   | 212144510030 |      | Middle Mast(9500) | 1    |            | 9500 |
| 9   | 910200200036 |      | Screw             | 2    |            |      |
| 10  | 910400500005 |      | Spring Washer     | 2    |            |      |
| 11  | 910400100005 |      | Flat Washer       | 2    |            |      |
| 12  | 212144520066 |      | Fixing Plate      | 1    |            |      |
| 13  | 910200200096 |      | Screw             | 2    |            |      |
| 14  | 940200300052 |      | Compound Roller   | 2    |            |      |

### 03 Inner Mast (212346044503)

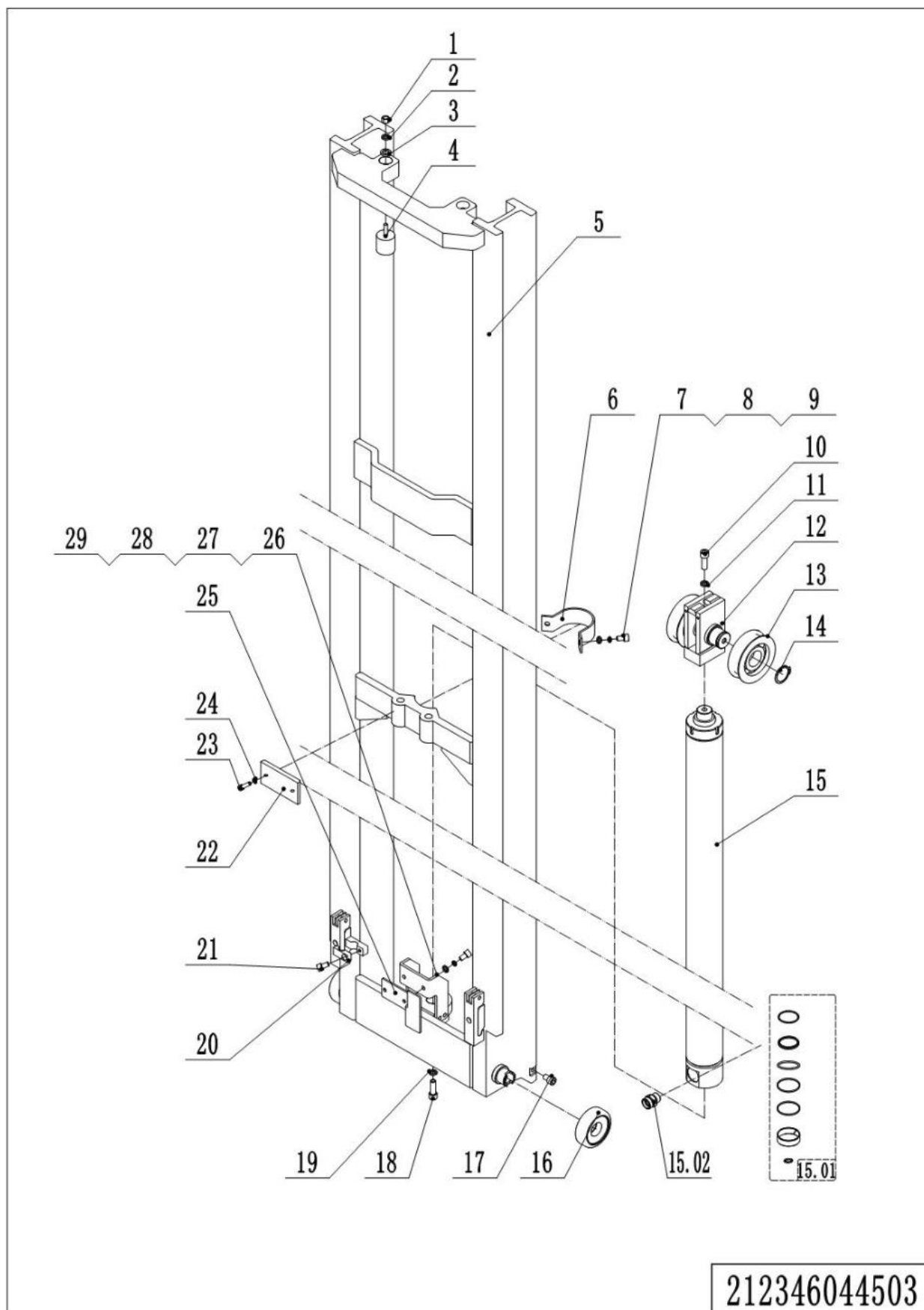


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

## 03 Inner Mast (212346044503)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 910300500004 |      | Nut              | 2    |            |      |
| 2   | 910400500006 |      | Spring Washer    | 3    |            |      |
| 3   | 910400100006 |      | Flat Washer      | 2    |            |      |
| 4   | 212144520242 |      | Crash Pad        | 2    |            |      |
| 5   | 212144510035 |      | Inner Mast(4500) | 1    |            | 4500 |
| 5   | 212144510036 |      | Inner Mast(5000) | 1    |            | 5000 |
| 5   | 212144510037 |      | Inner Mast(5500) | 1    |            | 5500 |
| 5   | 212144510038 |      | Inner Mast(6000) | 1    |            | 6000 |
| 5   | 212144510039 |      | Inner Mast(6500) | 1    |            | 6500 |
| 5   | 212144510040 |      | Inner Mast(7000) | 1    |            | 7000 |
| 5   | 212144510041 |      | Inner Mast(7500) | 1    |            | 7500 |
| 5   | 212144510042 |      | Inner Mast(8000) | 1    |            | 8000 |
| 5   | 212144510043 |      | Inner Mast(8500) | 1    |            | 8500 |
| 5   | 212144510044 |      | Inner Mast(9000) | 1    |            | 9000 |
| 5   | 212144510045 |      | Inner Mast(9500) | 1    |            | 9500 |
| 6   | 212144520068 |      | Fixing Plate     | 1    |            |      |
| 7   | 910100200005 |      | Bolt             | 2    |            |      |
| 8   | 910400500007 |      | Spring Washer    | 2    |            |      |
| 9   | 910400100007 |      | Flat Washer      | 2    |            |      |
| 10  | 910200200099 |      | Screw            | 2    |            |      |
| 11  | 910400500008 |      | Spring Washer    | 4    |            |      |
| 12  | 212144510049 |      | Yoke             | 1    |            |      |
| 13  | 940200500001 |      | Sprocket Bearing | 2    |            |      |
| 14  | 910401300020 |      | Circlip          | 2    |            |      |
| 15  | 212144510070 |      | Cylinder         | 1    |            | 4500 |
| 15  | 212144510071 |      | Cylinder         | 1    |            | 5000 |
| 15  | 212144510072 |      | Cylinder         | 1    |            | 5500 |
| 15  | 212144510073 |      | Cylinder         | 1    |            | 6000 |
| 15  | 212144510074 |      | Cylinder         | 1    |            | 6500 |
| 15  | 212144510075 |      | Cylinder         | 1    |            | 7000 |

### 03 Inner Mast (212346044503) Continuation

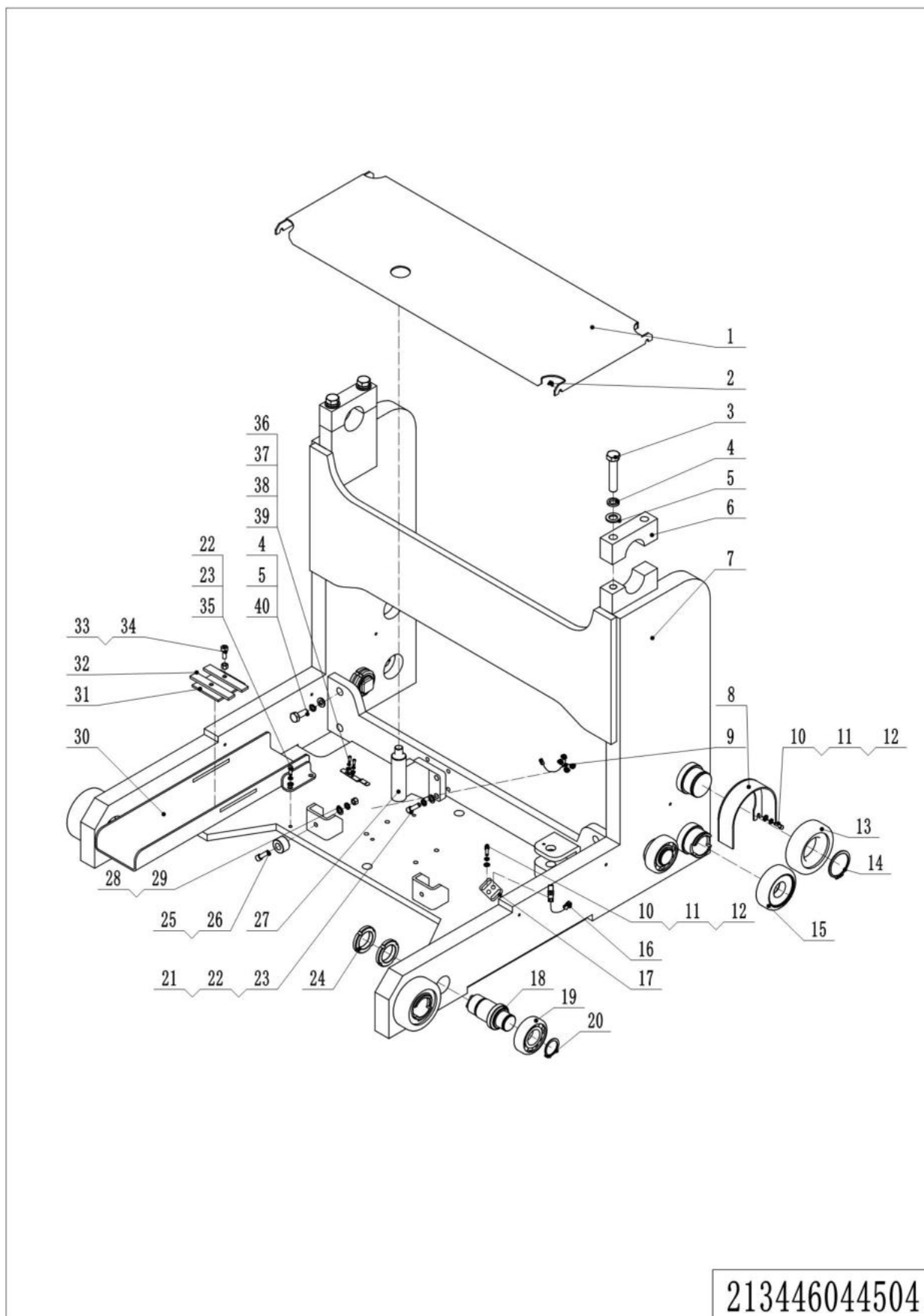


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

## 03 Inner Mast (212346044503) Continuation

| No.   | Item Code    | Mark | Item Description     | Qty. | Substitute | Note |
|-------|--------------|------|----------------------|------|------------|------|
| 15    | 212144510076 |      | Cylinder             | 1    |            | 7500 |
| 15    | 212144510077 |      | Cylinder             | 1    |            | 8000 |
| 15    | 212144510078 |      | Cylinder             | 1    |            | 8500 |
| 15    | 212144510079 |      | Cylinder             | 1    |            | 9000 |
| 15    | 212144510080 |      | Cylinder             | 1    |            | 9500 |
| 15.01 | 212198510003 |      | Seal Kit             | 1    |            |      |
| 15.02 | 212198520036 |      | Anti-explosion Valve | 1    |            |      |
| 16    | 940200300046 |      | Compound Roller      | 2    |            |      |
| 17    | 910200200096 |      | Screw                | 2    |            |      |
| 18    | 910100200005 |      | Bolt                 | 1    |            |      |
| 19    | 910400100008 |      | Flat Washer          | 1    |            |      |
| 20    | 213044520110 |      | Pipe Clip            | 1    |            |      |
| 21    | 910200200055 |      | Screw                | 1    |            |      |
| 22    | 212144520236 |      | Press Plate          | 1    |            |      |
| 23    | 910200500051 |      | Screw                | 2    |            |      |
| 24    | 910400500005 |      | Spring Washer        | 2    |            |      |
| 25    | 212144520298 |      | Mounting Plate       | 1    |            |      |
| 26    | 212144520049 |      | Mounting Base        | 1    |            |      |
| 27    | 910400100006 | 1    | Flat Washer          | 2    |            |      |
| 28    | 910400500006 | 1    | Spring Washer        | 2    |            |      |
| 29    | 910200200058 | 1    | Screw                | 2    |            |      |

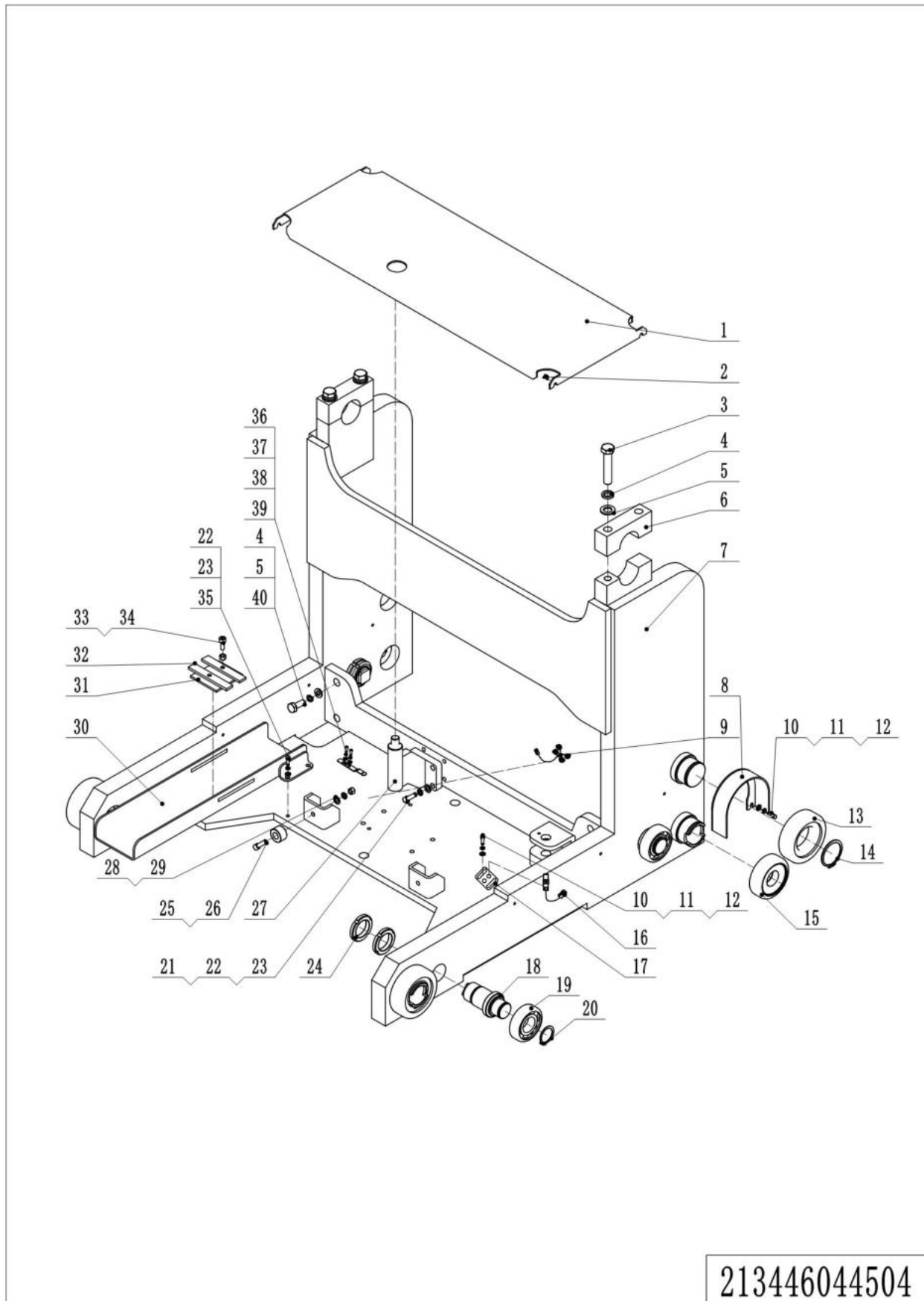
## 04 Reach Frame (213446044504)



## 04 Reach Frame (213446044504)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 213144520001 |      | Close Plate      | 1    |            |      |
| 2   | 910100300009 |      | Bolt             | 4    |            |      |
| 3   | 910100400039 |      | Bolt             | 4    |            |      |
| 4   | 910400500010 |      | Spring Washer    | 8    |            |      |
| 5   | 910400100010 |      | Flat Washer      | 8    |            |      |
| 6   | 213344520003 |      | Fixing Plate     | 2    |            |      |
| 7   | 213144510001 |      | Frame            | 1    |            |      |
| 8   | 212144510081 |      | Protective Cover | 2    |            |      |
| 9   | 212333010002 |      | Wire Harness     | 1    |            |      |
| 10  | 910200200036 |      | Screw            | 10   |            |      |
| 11  | 910400100005 |      | Flat Washer      | 10   |            |      |
| 12  | 910400500005 |      | Spring Washer    | 10   |            |      |
| 13  | 940200100042 |      | Main Roller      | 2    |            |      |
| 14  | 910401300026 |      | Circlip          | 6    |            |      |
| 15  | 940200300042 |      | Compound Roller  | 4    |            |      |
| 16  | 212133510002 |      | Proximity Switch | 1    |            |      |
| 17  | 212144520235 |      | Fixing Plate     | 1    |            |      |
| 18  | 212144520218 |      | Axle             | 4    |            |      |
| 19  | 940200100008 |      | Main Roller      | 4    |            |      |
| 20  | 910401300018 |      | Circlip          | 4    |            |      |
| 21  | 910200200079 |      | Screw            | 4    |            |      |
| 22  | 910400100007 |      | Flat Washer      | 4    |            |      |
| 23  | 910400500007 |      | Spring Washer    | 4    |            |      |
| 24  | 910300800008 |      | Nut              | 8    |            |      |
| 25  | 532621520062 |      | Crash Pad        | 2    |            |      |
| 26  | 910200200060 |      | Screw            | 2    |            |      |
| 27  | 212144510051 |      | Fixing Base      | 1    |            |      |
| 28  | 910300500004 |      | Nut              | 2    |            |      |
| 29  | 910400100006 |      | Flat Washer      | 8    |            |      |
| 30  | 212125010000 |      | Guide Slot       | 1    |            |      |

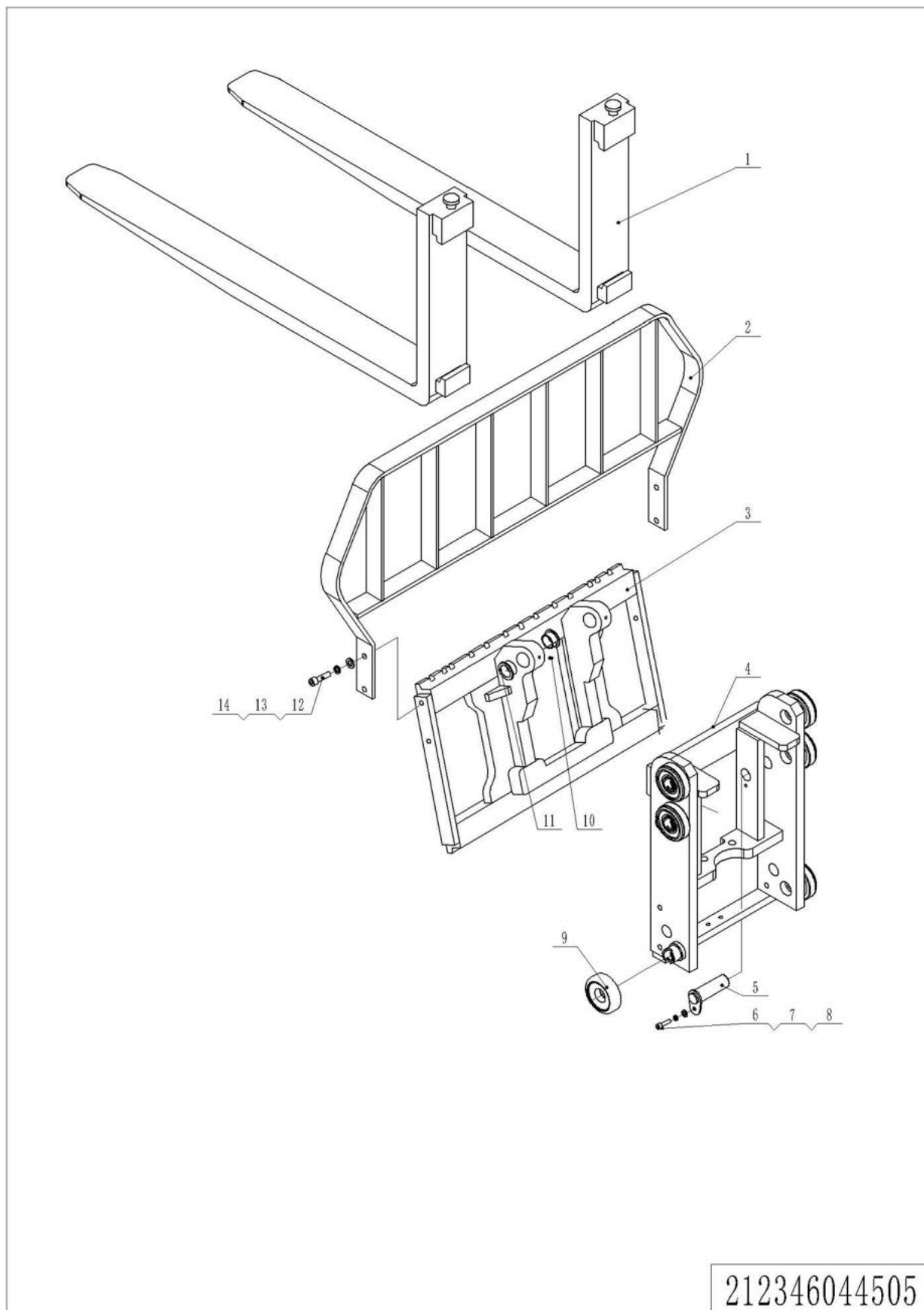
## 04 Reach Frame (213446044504) Continuation



213446044504

## 04 Reach Frame (213446044504) Continuation

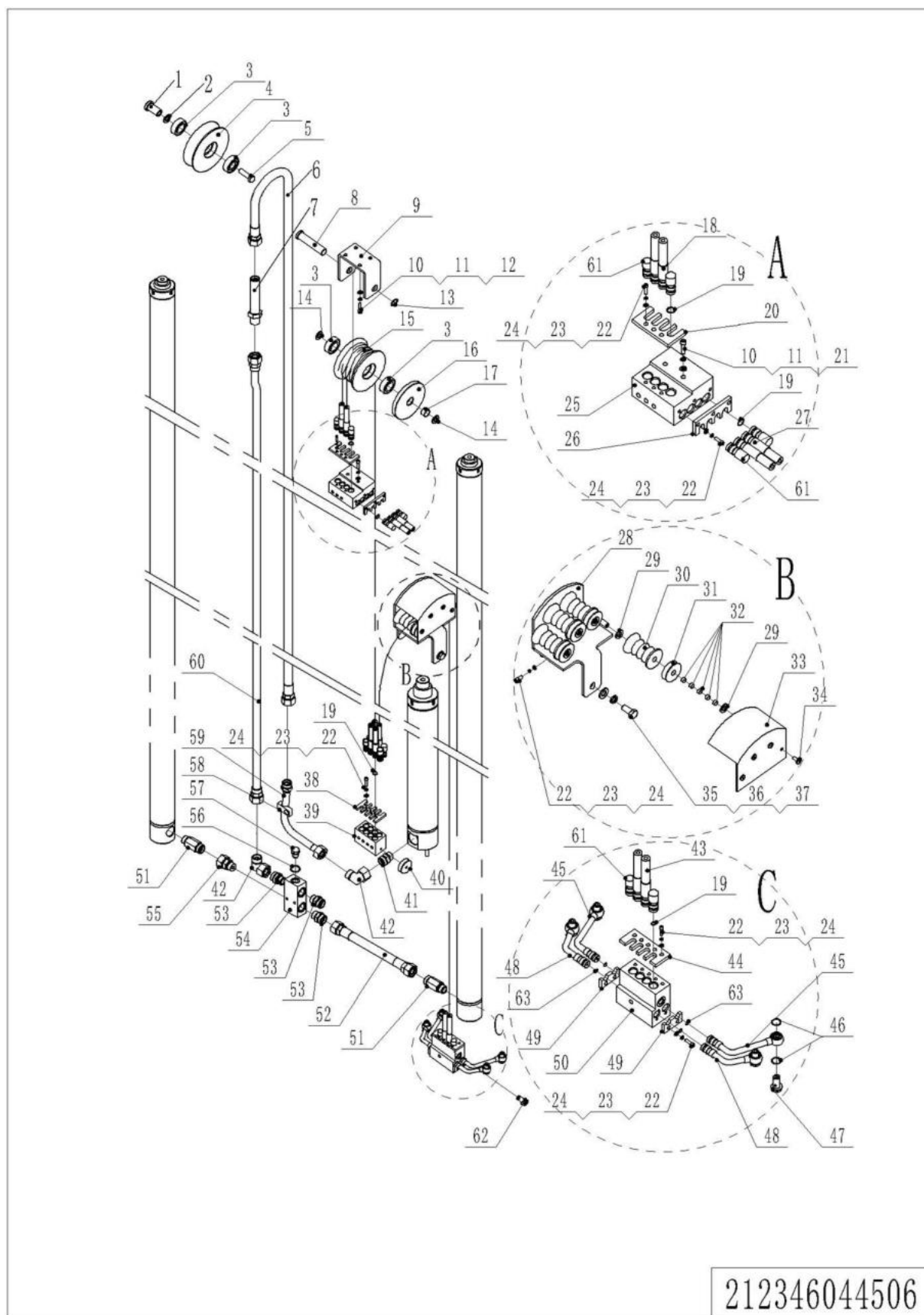
| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 31  | 212125020011 |      | Plate            | 1    |            |      |
| 32  | 212125020030 |      | Press Plate      | 2    |            |      |
| 33  | 910200200058 |      | Screw            | 4    |            |      |
| 34  | 910300100006 |      | Nut              | 4    |            |      |
| 35  | 910200200057 |      | Screw            | 4    |            |      |
| 36  | 910200500037 |      | Screw            | 8    |            |      |
| 37  | 910400500004 |      | Spring Washer    | 8    |            |      |
| 38  | 910400100004 |      | Flat Washer      | 8    |            |      |
| 39  | 921300300005 |      | Holder           | 4    |            |      |
| 40  | 910100200014 |      | Bolt             | 4    |            |      |

**05 Fork Carriage (212346044505)**

## 05 Fork Carriage (212346044505)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note                 |
|-----|--------------|------|------------------|------|------------|----------------------|
| 1   | 940100100008 |      | Fork120x40x1070  | 2    |            | 1070                 |
| 1   | 940100100009 |      | Fork120x40x1220  | 2    |            | 1220                 |
| 1   | 940100100010 |      | Fork120x40x1150  | 2    |            | 1150                 |
| 1   | 940100100011 |      | Fork120x40x1370  | 2    |            | 1370                 |
| 1   | 940100100012 |      | Fork120x40x1520  | 2    |            | 1520                 |
| 1   | 940100100030 |      | Fork120x40x1820  | 2    |            | 1820                 |
| 1   | 940100100037 |      | Fork120x40x1100  | 2    |            | 1100                 |
| 2   | 212140510000 |      | Load Backrest    | 1    |            |                      |
| 3   | 212138010005 |      | Fork             | 1    |            |                      |
| 3   | 940100200006 |      | Side Shifter     | 1    |            | Side Shift Dedicated |
| 4   | 212138010000 |      | Carriage         | 1    |            |                      |
| 5   | 212138010003 |      | Pin              | 2    |            |                      |
| 6   | 910200300025 |      | Screw            | 2    |            |                      |
| 7   | 910400100006 |      | Flat Washer      | 2    |            |                      |
| 8   | 910400500019 |      | Spring Washer    | 2    |            |                      |
| 9   | 940200300040 |      | Compound Roller  | 6    |            |                      |
| 10  | 911200100002 |      | Oil Cup          | 2    |            |                      |
| 11  | 940500400013 |      | Bearing          | 4    |            |                      |
| 12  | 910100300050 |      | Bolt             | 4    |            |                      |
| 13  | 910400500008 |      | Spring Washer    | 4    |            |                      |
| 14  | 910400100008 |      | Flat Washer      | 4    |            |                      |

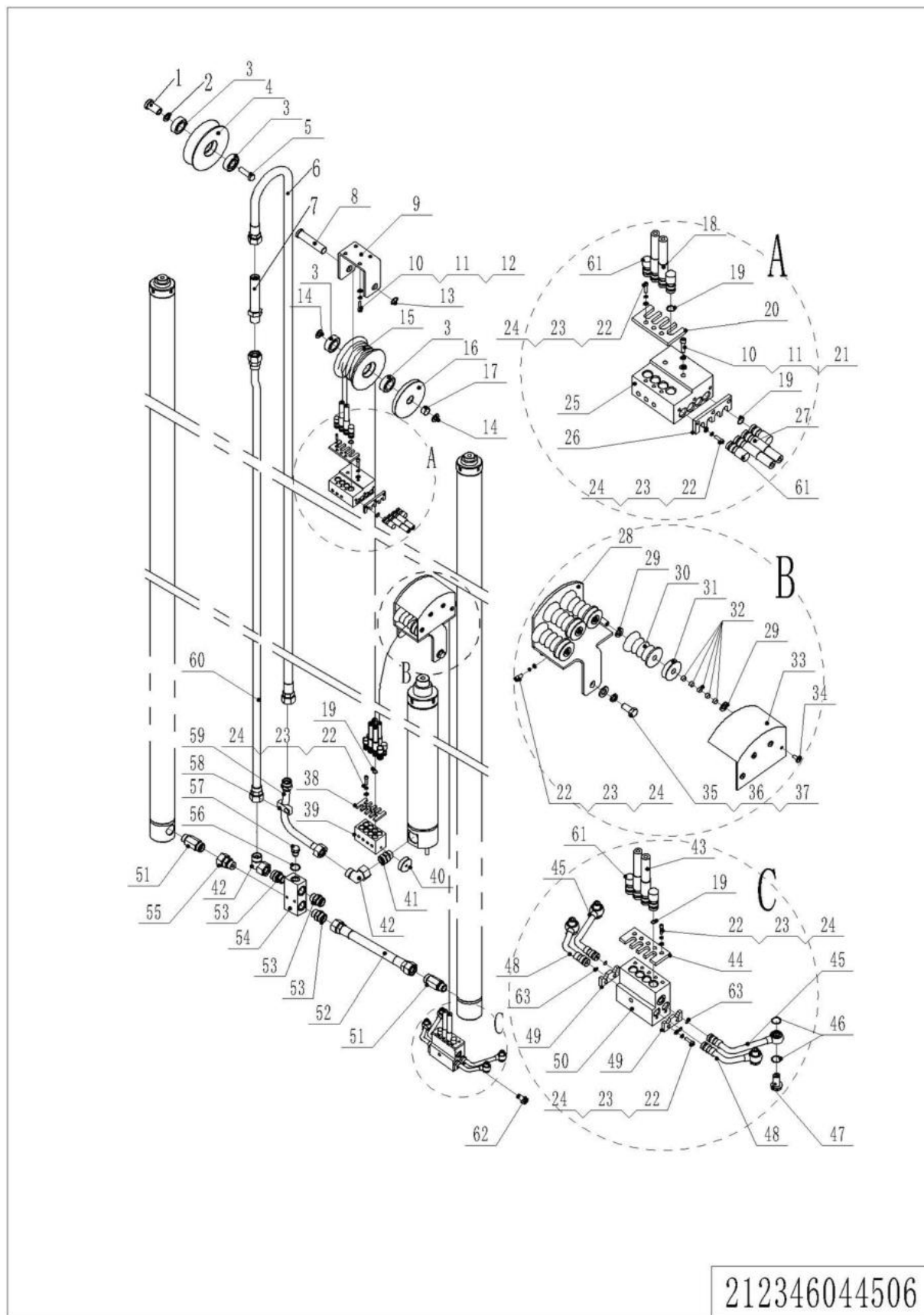
## 06 Mast Hydraulic Circuit 3 (212346044506)



## 06 Mast Hydraulic Circuit 3 (212346044506)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 212144520051 |      | Pin              | 1    |            |      |
| 2   | 212144520052 |      | Washer           | 1    |            |      |
| 3   | 910700200019 |      | Bearing          | 4    |            |      |
| 4   | 212144520050 |      | Pulley           | 1    |            |      |
| 5   | 910100300057 |      | Bolt             | 1    |            |      |
| 6   | 212144520130 |      | Hose             | 1    |            | 4500 |
| 6   | 212144520131 |      | Hose             | 1    |            | 5000 |
| 6   | 212144520132 |      | Hose             | 1    |            | 5500 |
| 6   | 212144520133 |      | Hose             | 1    |            | 6000 |
| 6   | 212144520134 |      | Hose             | 1    |            | 6500 |
| 6   | 212144520135 |      | Hose             | 1    |            | 7000 |
| 6   | 212144520136 |      | Hose             | 1    |            | 7500 |
| 6   | 212144520137 |      | Hose             | 1    |            | 8000 |
| 6   | 212144520138 |      | Hose             | 1    |            | 8500 |
| 6   | 212144520139 |      | Hose             | 1    |            | 9000 |
| 6   | 212144520140 |      | Hose             | 1    |            | 9500 |
| 7   | 950400500003 |      | Joint            | 1    |            |      |
| 8   | 212144520057 |      | Pin              | 1    |            |      |
| 9   | 212144520044 |      | Mounting Base    | 1    |            |      |
| 10  | 910400100006 |      | Flat Washer      | 10   |            |      |
| 11  | 910400500006 |      | Spring Washer    | 15   |            |      |
| 12  | 910200200058 |      | Screw            | 13   |            |      |
| 13  | 910401300011 |      | Circlip          | 1    |            |      |
| 14  | 212144520056 |      | Washer           | 2    |            |      |
| 15  | 212144520053 |      | Pulley           | 1    |            |      |
| 16  | 212144520054 |      | Pulley           | 1    |            |      |
| 17  | 940500100016 |      | Bushing          | 1    |            |      |
| 18  | 212144520100 |      | Hose             | 4    |            | 4500 |
| 18  | 212144520101 |      | Hose             | 4    |            | 5000 |
| 18  | 212144520102 |      | Hose             | 4    |            | 5500 |

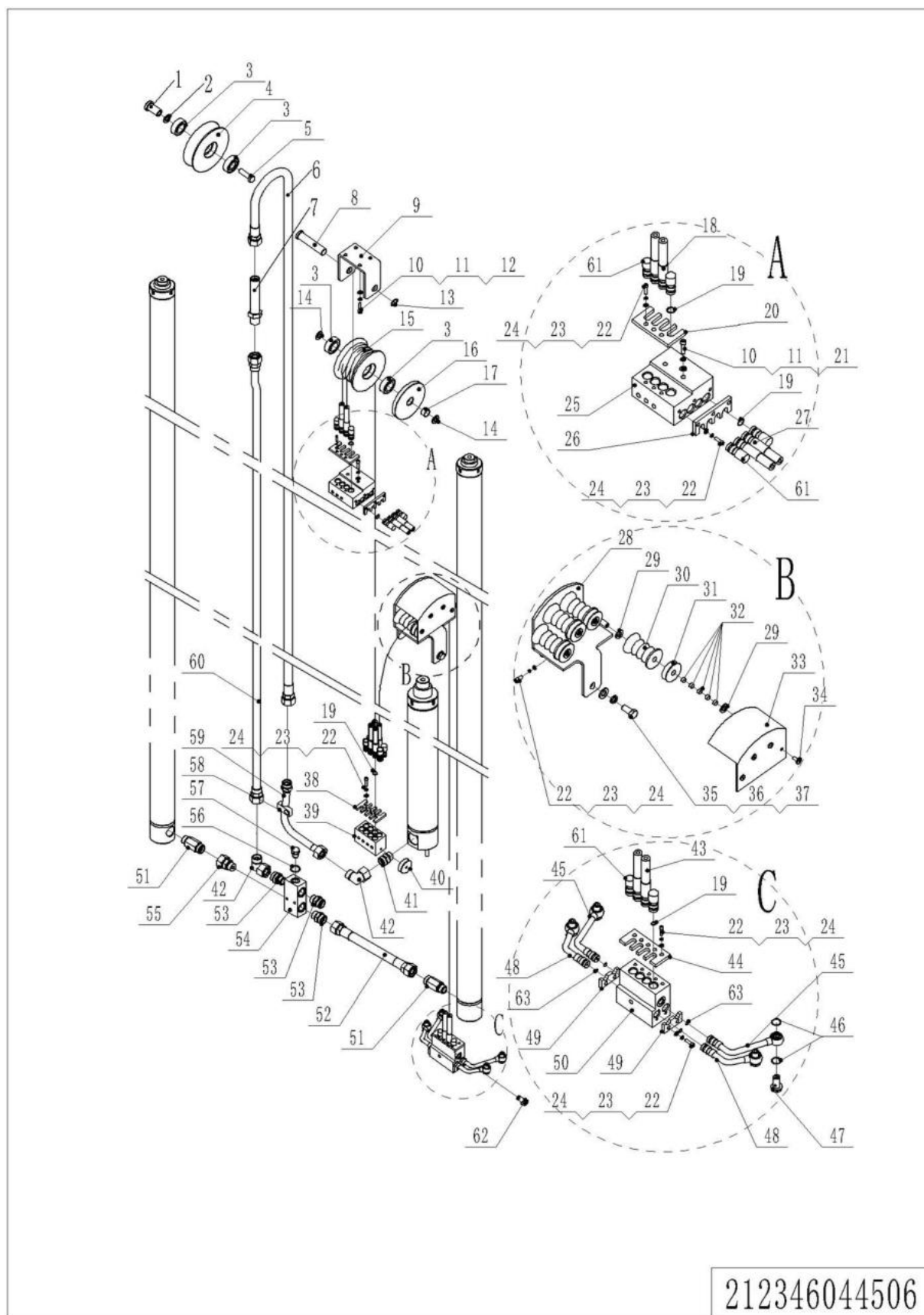
## 06 Mast Hydraulic Circuit 3 (212346044506) Continuation



## 06 Mast Hydraulic Circuit 3 (212346044506) Continuation

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 18  | 212144520103 |      | Hose             | 4    |            | 6000 |
| 18  | 212144520104 |      | Hose             | 4    |            | 6500 |
| 18  | 212144520105 |      | Hose             | 4    |            | 7000 |
| 18  | 212144520106 |      | Hose             | 4    |            | 7500 |
| 18  | 212144520107 |      | Hose             | 4    |            | 8000 |
| 18  | 212144520108 |      | Hose             | 4    |            | 8500 |
| 18  | 212144520109 |      | Hose             | 4    |            | 9000 |
| 18  | 212144520110 |      | Hose             | 4    |            | 9500 |
| 19  | 910800100124 |      | O-Ring           | 26   |            |      |
| 20  | 212144520045 |      | Plate            | 1    |            |      |
| 21  | 910200200062 |      | Screw            | 2    |            |      |
| 22  | 910200200035 |      | Screw            | 16   |            |      |
| 23  | 910400500005 |      | Spring Washer    | 16   |            |      |
| 24  | 910400100005 |      | Flat Washer      | 16   |            |      |
| 25  | 212144520047 |      | Valve Block      | 1    |            |      |
| 26  | 212144520046 |      | Plate            | 1    |            |      |
| 27  | 212125020015 |      | Hose             | 4    |            | 4500 |
| 27  | 212125020026 |      | Hose             | 4    |            | 5000 |
| 27  | 212125020027 |      | Hose             | 4    |            | 5500 |
| 27  | 212125020018 |      | Hose             | 4    |            | 6000 |
| 27  | 212125020019 |      | Hose             | 4    |            | 6500 |
| 27  | 212125020020 |      | Hose             | 4    |            | 7000 |
| 27  | 212125020021 |      | Hose             | 4    |            | 7500 |
| 27  | 212125020022 |      | Hose             | 4    |            | 8000 |
| 27  | 212125020023 |      | Hose             | 4    |            | 8500 |
| 27  | 212125020024 |      | Hose             | 4    |            | 9000 |
| 27  | 212125020025 |      | Hose             | 4    |            | 9500 |
| 28  | 212144510047 |      | Wheel Casing     | 1    |            |      |
| 29  | 910400100007 |      | Flat Washer      | 8    |            |      |
| 30  | 212144520058 |      | Pulley           | 4    |            |      |

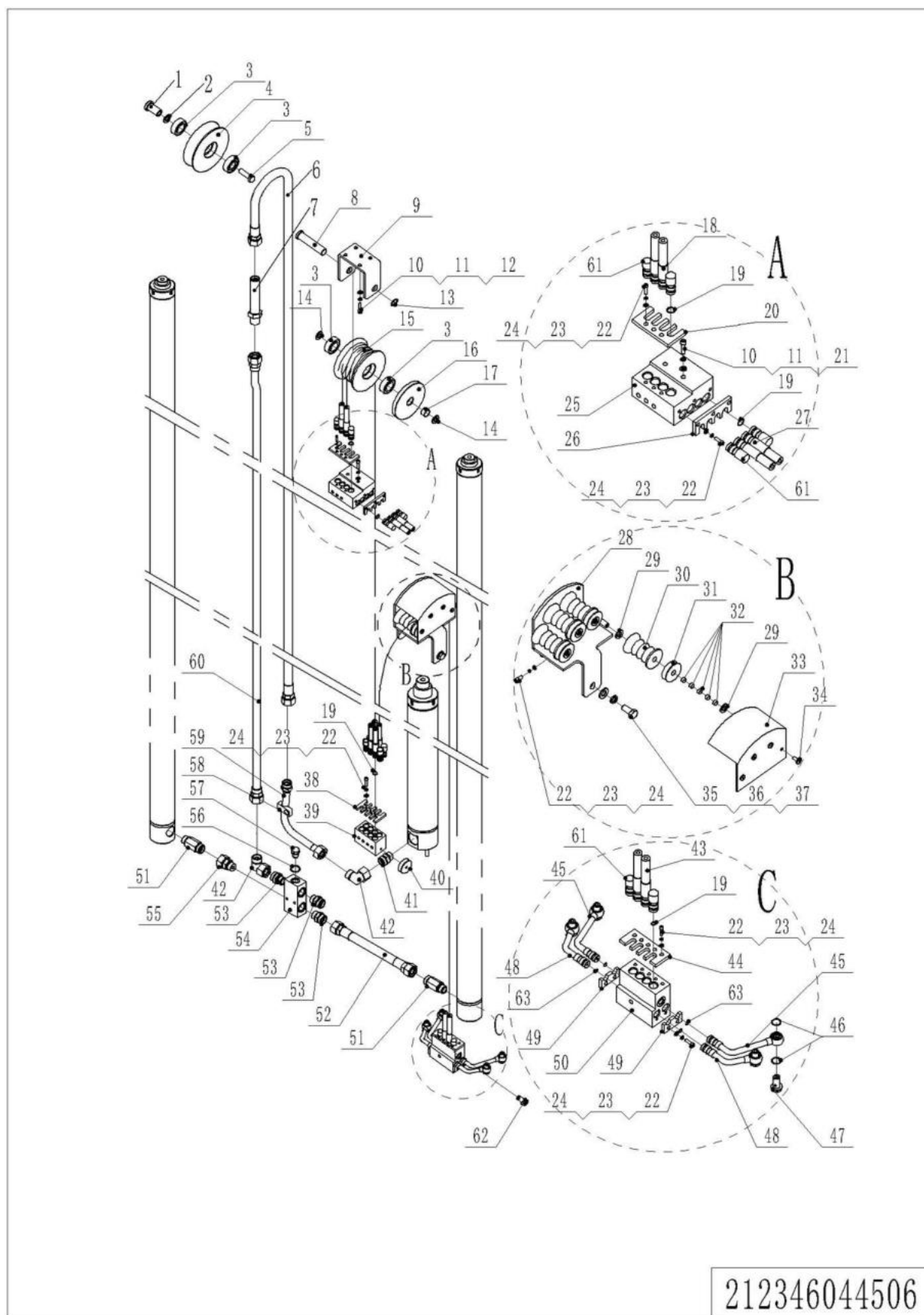
## 06 Mast Hydraulic Circuit 3 (212346044506) Continuation 2



## 06 Mast Hydraulic Circuit 3 (212346044506) Continuation 2

| No. | Item Code    | Mark | Item Description     | Qty. | Substitute | Note |
|-----|--------------|------|----------------------|------|------------|------|
| 31  | 212144520059 |      | Pulley               | 4    |            |      |
| 32  | 940500100079 |      | Bushing              | 20   |            |      |
| 33  | 212144510046 |      | Wheel Casing         | 1    |            |      |
| 34  | 910200500052 |      | Screw                | 4    |            |      |
| 35  | 910100300048 |      | Bolt                 | 2    |            |      |
| 36  | 910400500008 |      | Spring Washer        | 3    |            |      |
| 37  | 910400100008 |      | Flat Washer          | 2    |            |      |
| 38  | 212144520040 |      | Plate                | 1    |            |      |
| 39  | 212144520039 |      | Valve Block          | 1    |            |      |
| 40  | 212144520037 |      | Pulley               | 1    |            |      |
| 41  | 212198520036 |      | Anti-explosion Valve | 1    |            |      |
| 42  | 950400200006 |      | Joint                | 2    |            |      |
| 43  | 212144520085 |      | Hose                 | 4    |            | 4500 |
| 43  | 212144520086 |      | Hose                 | 4    |            | 5000 |
| 43  | 212144520087 |      | Hose                 | 4    |            | 5500 |
| 43  | 212144520088 |      | Hose                 | 4    |            | 6000 |
| 43  | 212144520089 |      | Hose                 | 4    |            | 6500 |
| 43  | 212144520090 |      | Hose                 | 4    |            | 7000 |
| 43  | 212144520091 |      | Hose                 | 4    |            | 7500 |
| 43  | 212144520092 |      | Hose                 | 4    |            | 8000 |
| 43  | 212144520093 |      | Hose                 | 4    |            | 8500 |
| 43  | 212144520094 |      | Hose                 | 4    |            | 9000 |
| 43  | 212144520095 |      | Hose                 | 4    |            | 9500 |
| 44  | 212144520032 |      | Plate                | 1    |            |      |
| 45  | 212144520033 |      | Steel Tube           | 2    |            |      |
| 46  | 910800100125 |      | O-Ring               | 4    |            |      |
| 47  | 212144520042 |      | Bolt                 | 4    |            |      |
| 48  | 212144520034 |      | Steel Tube           | 2    |            |      |
| 49  | 212144520031 |      | Plate                | 2    |            |      |
| 50  | 212144520030 |      | Valve Block          | 1    |            |      |

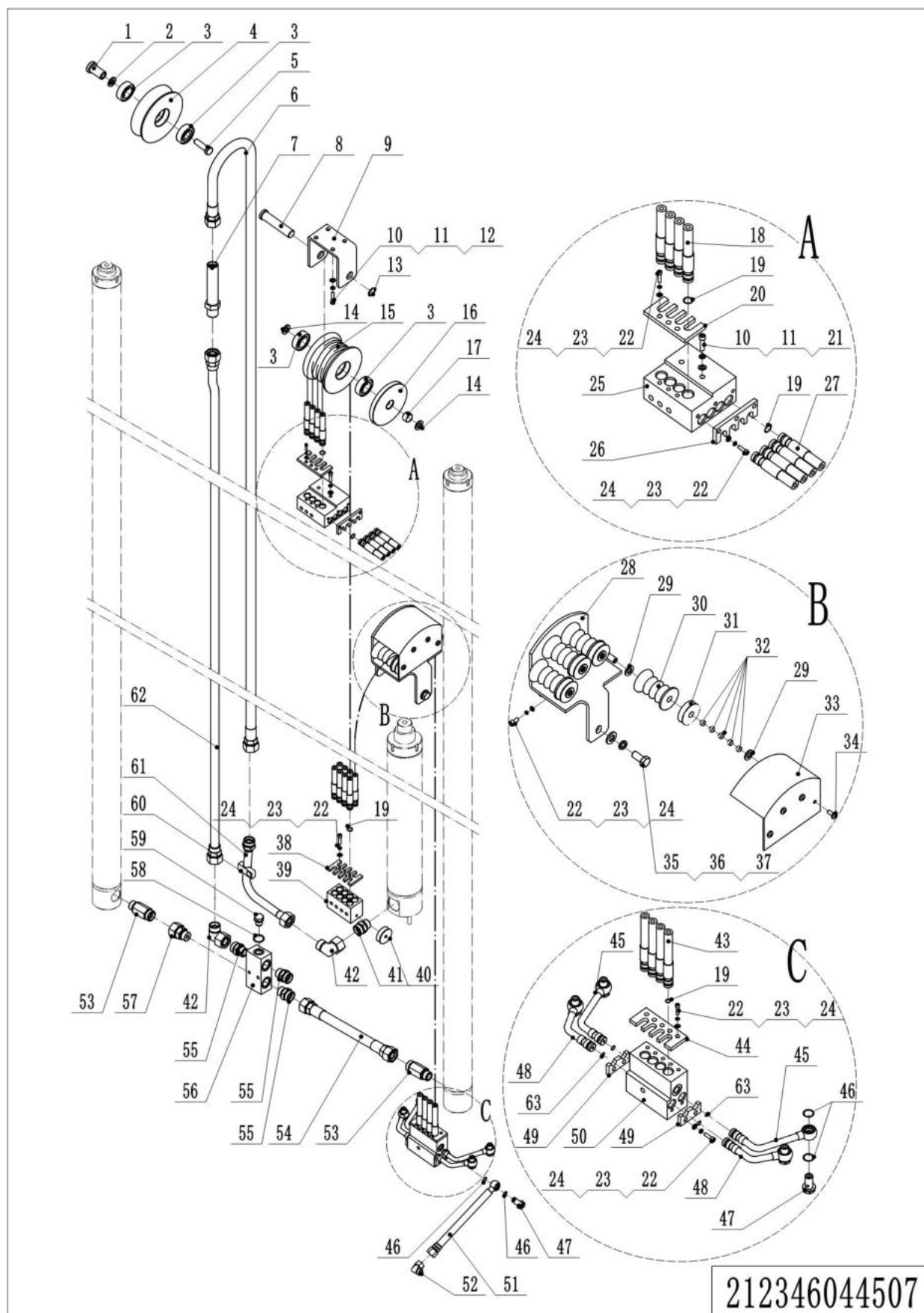
# 06 Mast Hydraulic Circuit 3 (212346044506) Continuation 3



## 06 Mast Hydraulic Circuit 3 (212346044506) Continuation 3

| No. | Item Code    | Mark | Item Description     | Qty. | Substitute | Note    |
|-----|--------------|------|----------------------|------|------------|---------|
| 51  | 212198520022 |      | Anti-explosion Valve | 2    |            |         |
| 52  | 212144520036 |      | Hose                 | 1    |            |         |
| 53  | 950400400011 |      | Joint                | 3    |            |         |
| 54  | 212144520041 |      | Valve Block          | 1    |            |         |
| 55  | 950400100003 |      | Joint                | 1    |            |         |
| 56  | 910800900005 |      | Bonded Washer        | 1    |            |         |
| 57  | 911300100001 |      | Screw Plug           | 1    |            |         |
| 58  | 213044520110 |      | Pipe Clip            | 1    |            |         |
| 59  | 212144520048 |      | Steel Tube           | 1    |            |         |
| 60  | 212144520115 |      | Steel Tube           | 1    |            | 4500    |
| 60  | 212144520116 |      | Steel Tube           | 1    |            | 5000    |
| 60  | 212144520117 |      | Steel Tube           | 1    |            | 5500    |
| 60  | 212144520118 |      | Steel Tube           | 1    |            | 6000    |
| 60  | 212144520119 |      | Steel Tube           | 1    |            | 6500    |
| 60  | 212144520120 |      | Steel Tube           | 1    |            | 7000    |
| 60  | 212144520121 |      | Steel Tube           | 1    |            | 7500    |
| 60  | 212144520122 |      | Steel Tube           | 1    |            | 8000    |
| 60  | 212144520123 |      | Steel Tube           | 1    |            | 8500    |
| 60  | 212144520124 |      | Steel Tube           | 1    |            | 9000    |
| 60  | 212144520125 |      | Steel Tube           | 1    |            | 9500    |
| 61  | 212344520000 |      | Plug                 | 10   |            |         |
| 62  | 951100300002 |      | Plug                 | 2    |            | M12x1.5 |
| 63  | 910800100061 |      | O-Ring               | 4    |            |         |

## 07 Mast Hydraulic Circuit 4 (212346044507)

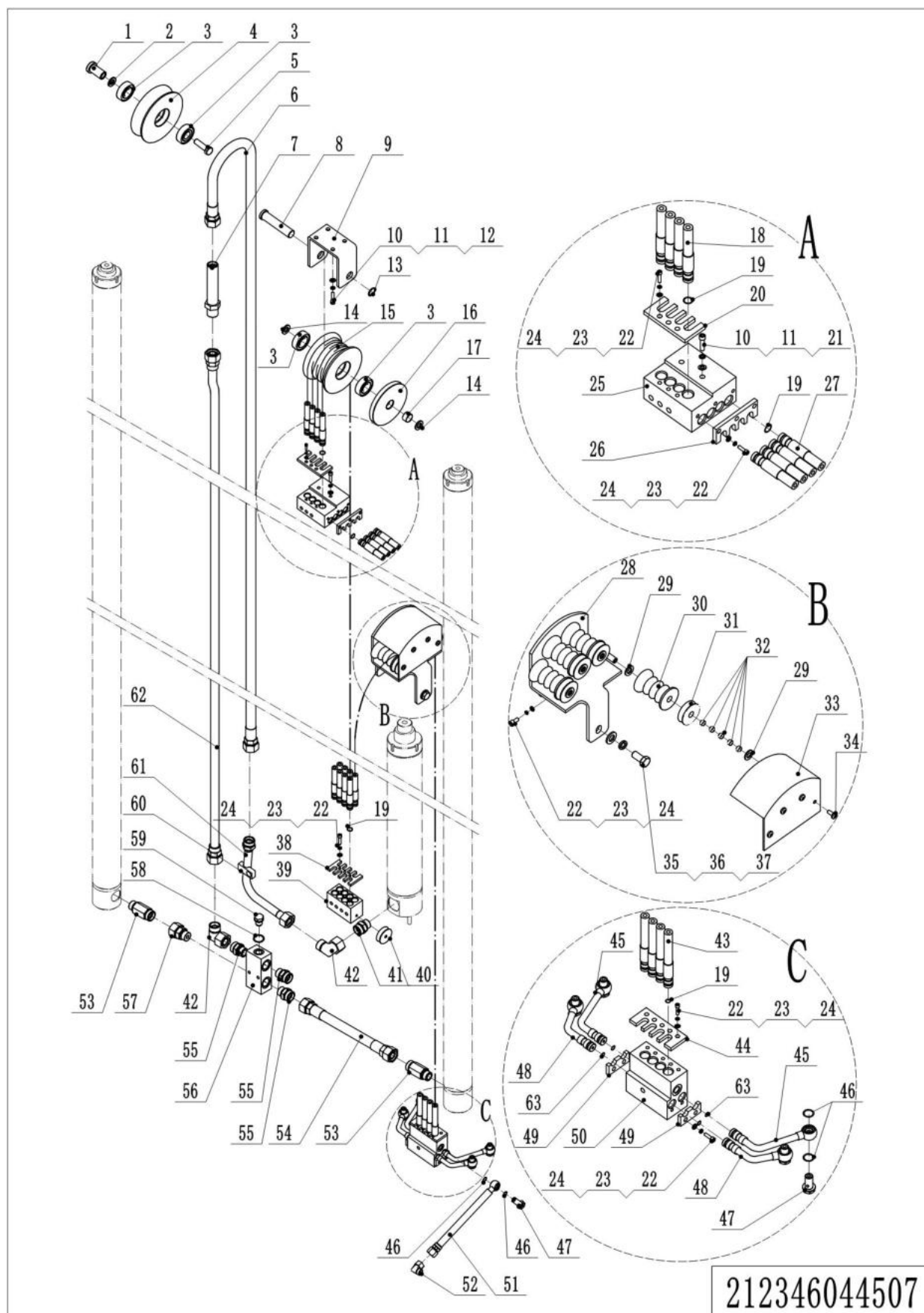


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

## 07 Mast Hydraulic Circuit 4 (212346044507)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 212144520051 |      | Pin              | 1    |            |      |
| 2   | 212144520052 |      | Washer           | 1    |            |      |
| 3   | 910700200019 |      | Bearing          | 4    |            |      |
| 4   | 212144520050 |      | Pulley           | 1    |            |      |
| 5   | 910100300057 |      | Bolt             | 1    |            |      |
| 6   | 212144520130 |      | Hose             | 1    |            | 4500 |
| 6   | 212144520131 |      | Hose             | 1    |            | 5000 |
| 6   | 212144520132 |      | Hose             | 1    |            | 5500 |
| 6   | 212144520133 |      | Hose             | 1    |            | 6000 |
| 6   | 212144520134 |      | Hose             | 1    |            | 6500 |
| 6   | 212144520135 |      | Hose             | 1    |            | 7000 |
| 6   | 212144520136 |      | Hose             | 1    |            | 7500 |
| 6   | 212144520137 |      | Hose             | 1    |            | 8000 |
| 6   | 212144520138 |      | Hose             | 1    |            | 8500 |
| 6   | 212144520139 |      | Hose             | 1    |            | 9000 |
| 6   | 212144520140 |      | Hose             | 1    |            | 9500 |
| 7   | 950400500003 |      | Joint            | 1    |            |      |
| 8   | 212144520057 |      | Pin              | 1    |            |      |
| 9   | 212144520044 |      | Mounting Base    | 1    |            |      |
| 10  | 910400100006 |      | Flat Washer      | 10   |            |      |
| 11  | 910400500006 |      | Spring Washer    | 15   |            |      |
| 12  | 910200200058 |      | Screw            | 13   |            |      |
| 13  | 910401300011 |      | Circlip          | 1    |            |      |
| 14  | 212144520056 |      | Washer           | 2    |            |      |
| 15  | 212144520053 |      | Pulley           | 1    |            |      |
| 16  | 212144520054 |      | Pulley           | 1    |            |      |
| 17  | 940500100016 |      | Bushing          | 1    |            |      |
| 18  | 212144520100 |      | Hose             | 4    |            | 4500 |
| 18  | 212144520101 |      | Hose             | 4    |            | 5000 |
| 18  | 212144520102 |      | Hose             | 4    |            | 5500 |

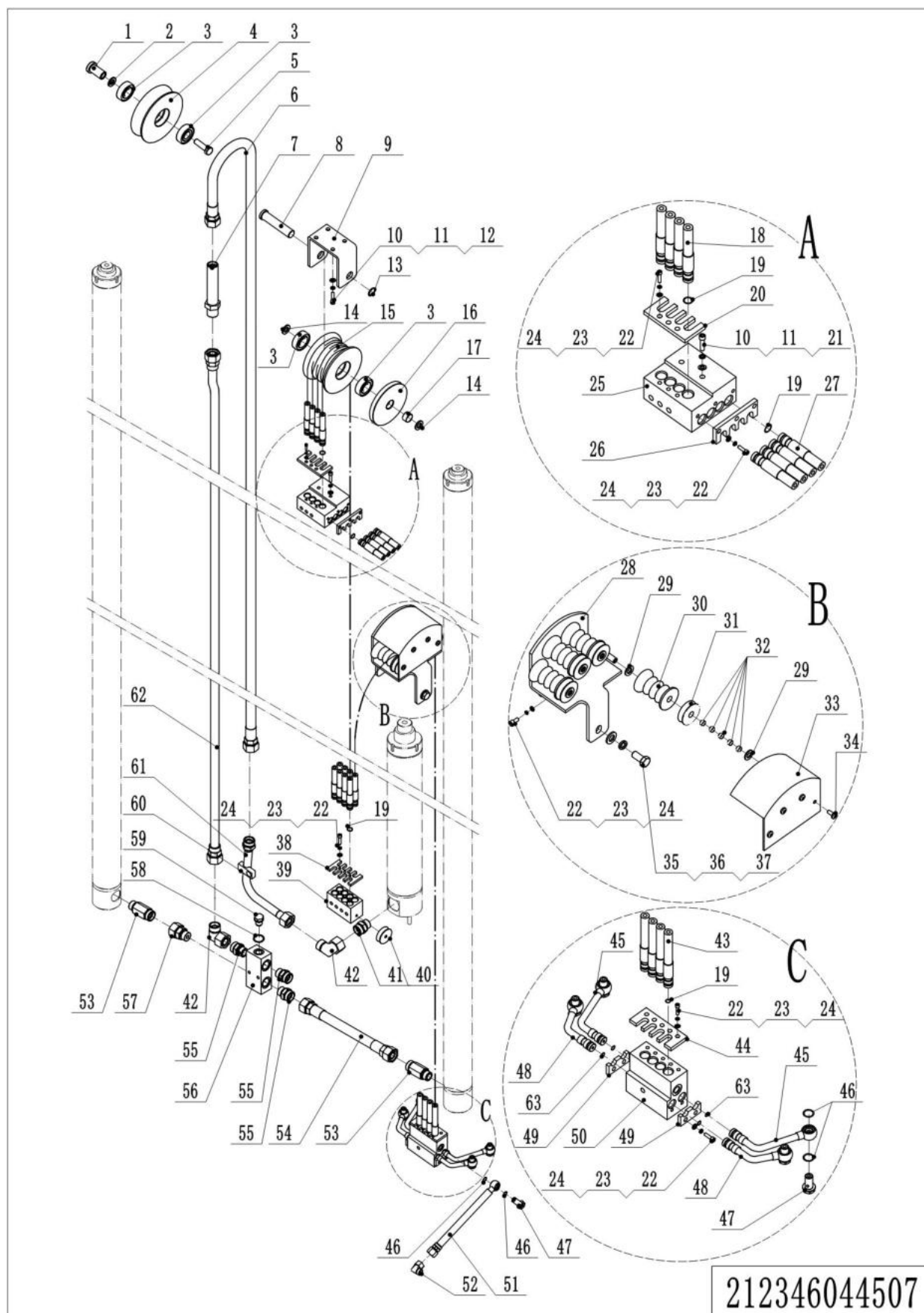
## 07 Mast Hydraulic Circuit 4 (212346044507) Continuation



## 07 Mast Hydraulic Circuit 4 (212346044507) Continuation

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 18  | 212144520103 |      | Hose             | 4    |            | 6000 |
| 18  | 212144520104 |      | Hose             | 4    |            | 6500 |
| 18  | 212144520105 |      | Hose             | 4    |            | 7000 |
| 18  | 212144520106 |      | Hose             | 4    |            | 7500 |
| 18  | 212144520107 |      | Hose             | 4    |            | 8000 |
| 18  | 212144520108 |      | Hose             | 4    |            | 8500 |
| 18  | 212144520109 |      | Hose             | 4    |            | 9000 |
| 18  | 212144520110 |      | Hose             | 4    |            | 9500 |
| 19  | 910800100124 |      | O-Ring           | 26   |            |      |
| 20  | 212144520045 |      | Plate            | 1    |            |      |
| 21  | 910200200062 |      | Screw            | 2    |            |      |
| 22  | 910200200035 |      | Screw            | 16   |            |      |
| 23  | 910400500005 |      | Spring Washer    | 16   |            |      |
| 24  | 910400100005 |      | Flat Washer      | 16   |            |      |
| 25  | 212144520047 |      | Valve Block      | 1    |            |      |
| 26  | 212144520046 |      | Plate            | 1    |            |      |
| 27  | 212125020015 |      | Hose             | 4    |            | 4500 |
| 27  | 212125020026 |      | Hose             | 4    |            | 5000 |
| 27  | 212125020027 |      | Hose             | 4    |            | 5500 |
| 27  | 212125020018 |      | Hose             | 4    |            | 6000 |
| 27  | 212125020019 |      | Hose             | 4    |            | 6500 |
| 27  | 212125020020 |      | Hose             | 4    |            | 7000 |
| 27  | 212125020021 |      | Hose             | 4    |            | 7500 |
| 27  | 212125020022 |      | Hose             | 4    |            | 8000 |
| 27  | 212125020023 |      | Hose             | 4    |            | 8500 |
| 27  | 212125020024 |      | Hose             | 4    |            | 9000 |
| 27  | 212125020025 |      | Hose             | 4    |            | 9500 |
| 28  | 212144510047 |      | Wheel Casing     | 1    |            |      |
| 29  | 910400100007 |      | Flat Washer      | 8    |            |      |
| 30  | 212144520058 |      | Pulley           | 4    |            |      |

## 07 Mast Hydraulic Circuit 4 (212346044507) Continuation 2

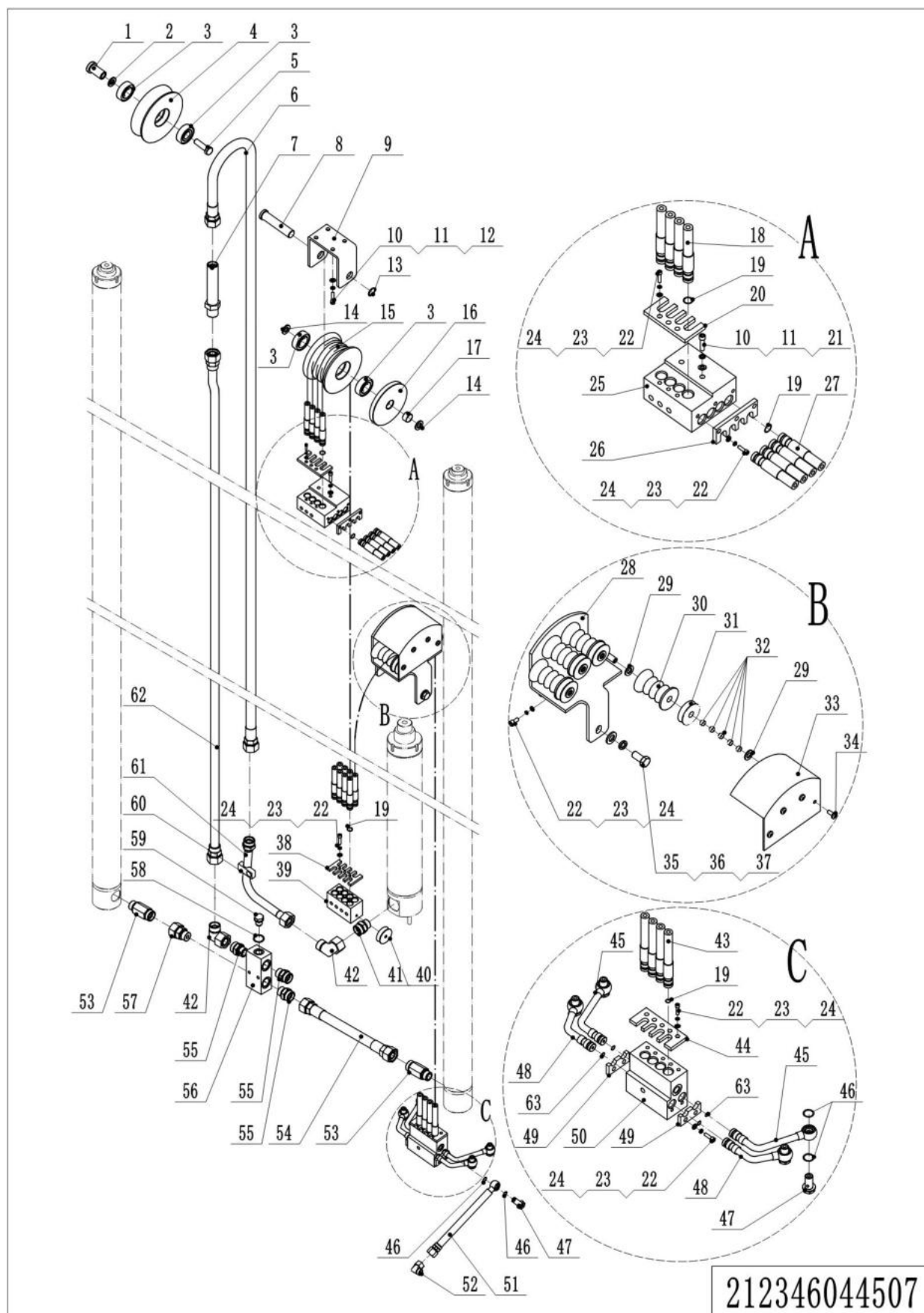


1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

## 07 Mast Hydraulic Circuit 4 (212346044507) Continuation 2

| No. | Item Code    | Mark | Item Description     | Qty. | Substitute | Note |
|-----|--------------|------|----------------------|------|------------|------|
| 31  | 212144520059 |      | Pulley               | 4    |            |      |
| 32  | 940500100079 |      | Bushing              | 20   |            |      |
| 33  | 212144510046 |      | Wheel Casing         | 1    |            |      |
| 34  | 910200500052 |      | Screw                | 4    |            |      |
| 35  | 910100300048 |      | Bolt                 | 2    |            |      |
| 36  | 910400500008 |      | Spring Washer        | 3    |            |      |
| 37  | 910400100008 |      | Flat Washer          | 2    |            |      |
| 38  | 212144520040 |      | Plate                | 1    |            |      |
| 39  | 212144520039 |      | Valve Block          | 1    |            |      |
| 40  | 212144520037 |      | Pulley               | 1    |            |      |
| 41  | 212198520036 |      | Anti-explosion Valve | 1    |            |      |
| 42  | 950400200006 |      | Joint                | 2    |            |      |
| 43  | 212144520085 |      | Hose                 | 4    |            | 4500 |
| 43  | 212144520086 |      | Hose                 | 4    |            | 5000 |
| 43  | 212144520087 |      | Hose                 | 4    |            | 5500 |
| 43  | 212144520088 |      | Hose                 | 4    |            | 6000 |
| 43  | 212144520089 |      | Hose                 | 4    |            | 6500 |
| 43  | 212144520090 |      | Hose                 | 4    |            | 7000 |
| 43  | 212144520091 |      | Hose                 | 4    |            | 7500 |
| 43  | 212144520092 |      | Hose                 | 4    |            | 8000 |
| 43  | 212144520093 |      | Hose                 | 4    |            | 8500 |
| 43  | 212144520094 |      | Hose                 | 4    |            | 9000 |
| 43  | 212144520095 |      | Hose                 | 4    |            | 9500 |
| 44  | 212144520032 |      | Plate                | 1    |            |      |
| 45  | 212144520033 |      | Steel Tube           | 2    |            |      |
| 46  | 910800100125 |      | O-Ring               | 4    |            |      |
| 47  | 212144520042 |      | Bolt                 | 4    |            |      |
| 48  | 212144520034 |      | Steel Tube           | 2    |            |      |
| 49  | 212144520031 |      | Plate                | 2    |            |      |
| 50  | 212144520030 |      | Valve Block          | 1    |            |      |

# 07 Mast Hydraulic Circuit 4 (212346044507) Continuation 3



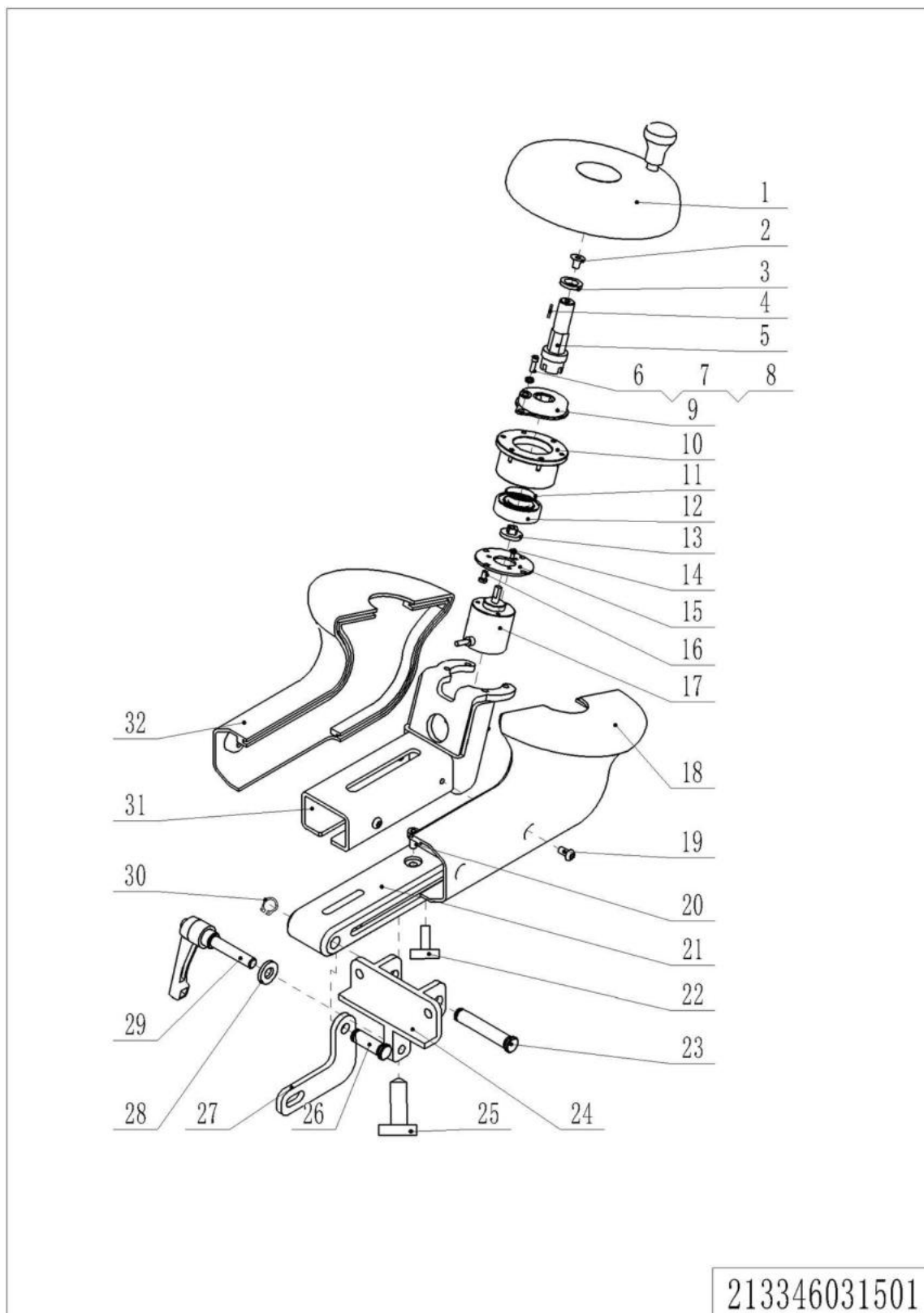
212346044507

## 07 Mast Hydraulic Circuit 4 (212346044507) Continuation 3

| No. | Item Code    | Mark | Item Description     | Qty. | Substitute | Note |
|-----|--------------|------|----------------------|------|------------|------|
| 51  | 212144520035 |      | Hose                 | 2    |            |      |
| 52  | 950400200001 |      | Joint                | 2    |            |      |
| 53  | 212198520022 |      | Anti-explosion Valve | 2    |            |      |
| 54  | 212144520036 |      | Hose                 | 1    |            |      |
| 55  | 950400400011 |      | Joint                | 3    |            |      |
| 56  | 212144520041 |      | Valve Block          | 1    |            |      |
| 57  | 950400100003 |      | Joint                | 1    |            |      |
| 58  | 910800900005 |      | Bonded Washer        | 1    |            |      |
| 59  | 911300100001 |      | Screw Plug           | 1    |            |      |
| 60  | 213044520110 |      | Pipe Clip            | 1    |            |      |
| 61  | 212144520048 |      | Steel Tube           | 1    |            |      |
| 62  | 212144520115 |      | Steel Tube           | 1    |            | 4500 |
| 62  | 212144520116 |      | Steel Tube           | 1    |            | 5000 |
| 62  | 212144520117 |      | Steel Tube           | 1    |            | 5500 |
| 62  | 212144520118 |      | Steel Tube           | 1    |            | 6000 |
| 62  | 212144520119 |      | Steel Tube           | 1    |            | 6500 |
| 62  | 212144520120 |      | Steel Tube           | 1    |            | 7000 |
| 62  | 212144520121 |      | Steel Tube           | 1    |            | 7500 |
| 62  | 212144520122 |      | Steel Tube           | 1    |            | 8000 |
| 62  | 212144520123 |      | Steel Tube           | 1    |            | 8500 |
| 62  | 212144520124 |      | Steel Tube           | 1    |            | 9000 |
| 62  | 212144520125 |      | Steel Tube           | 1    |            | 9500 |
| 63  | 910800100061 |      | O-Ring               | 4    |            |      |

## Chapter 5: Steering System, Braking System, Wheels

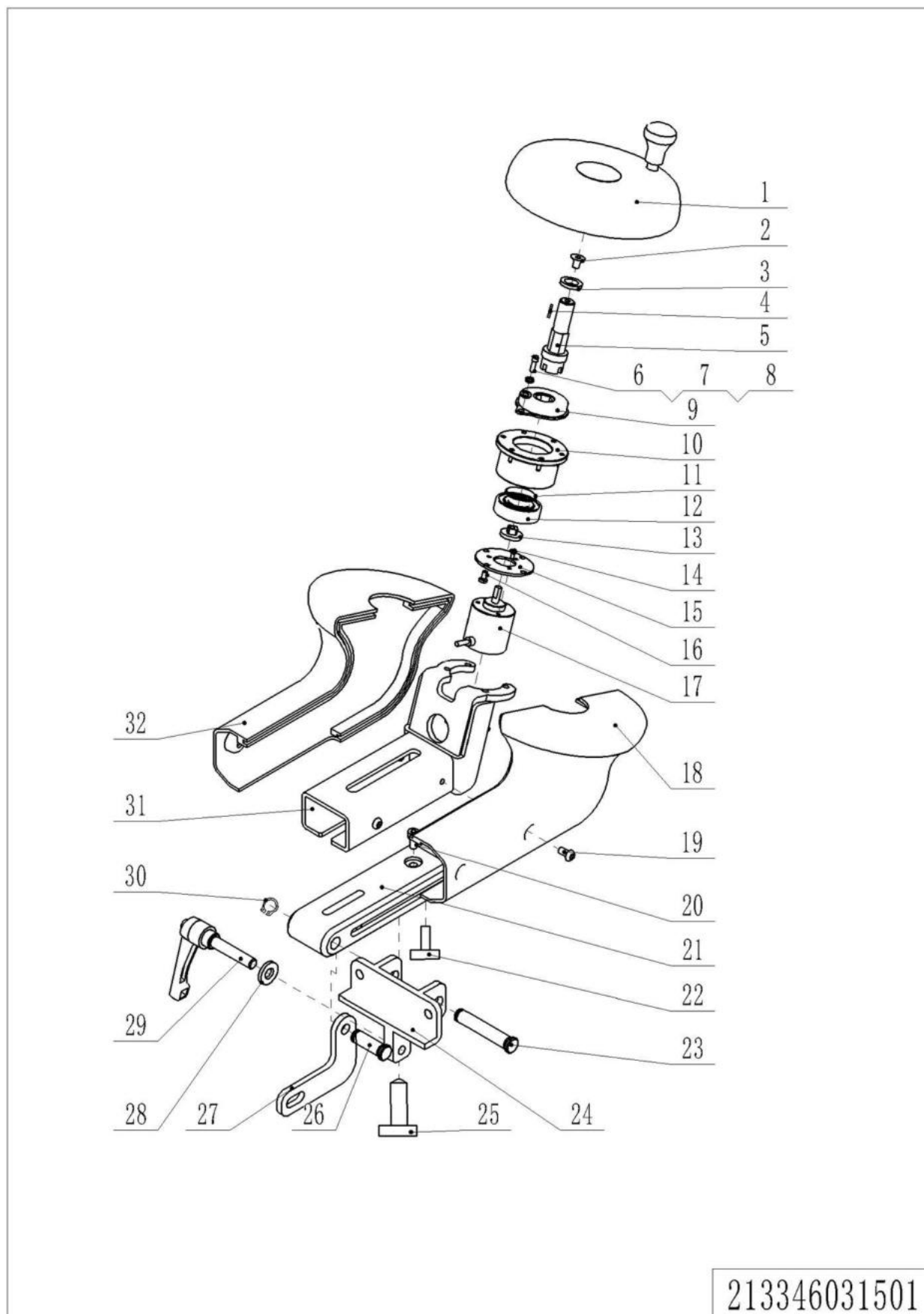
### 01 Steering Wheel (213346031501)



## 01 Steering Wheel (213346031501)

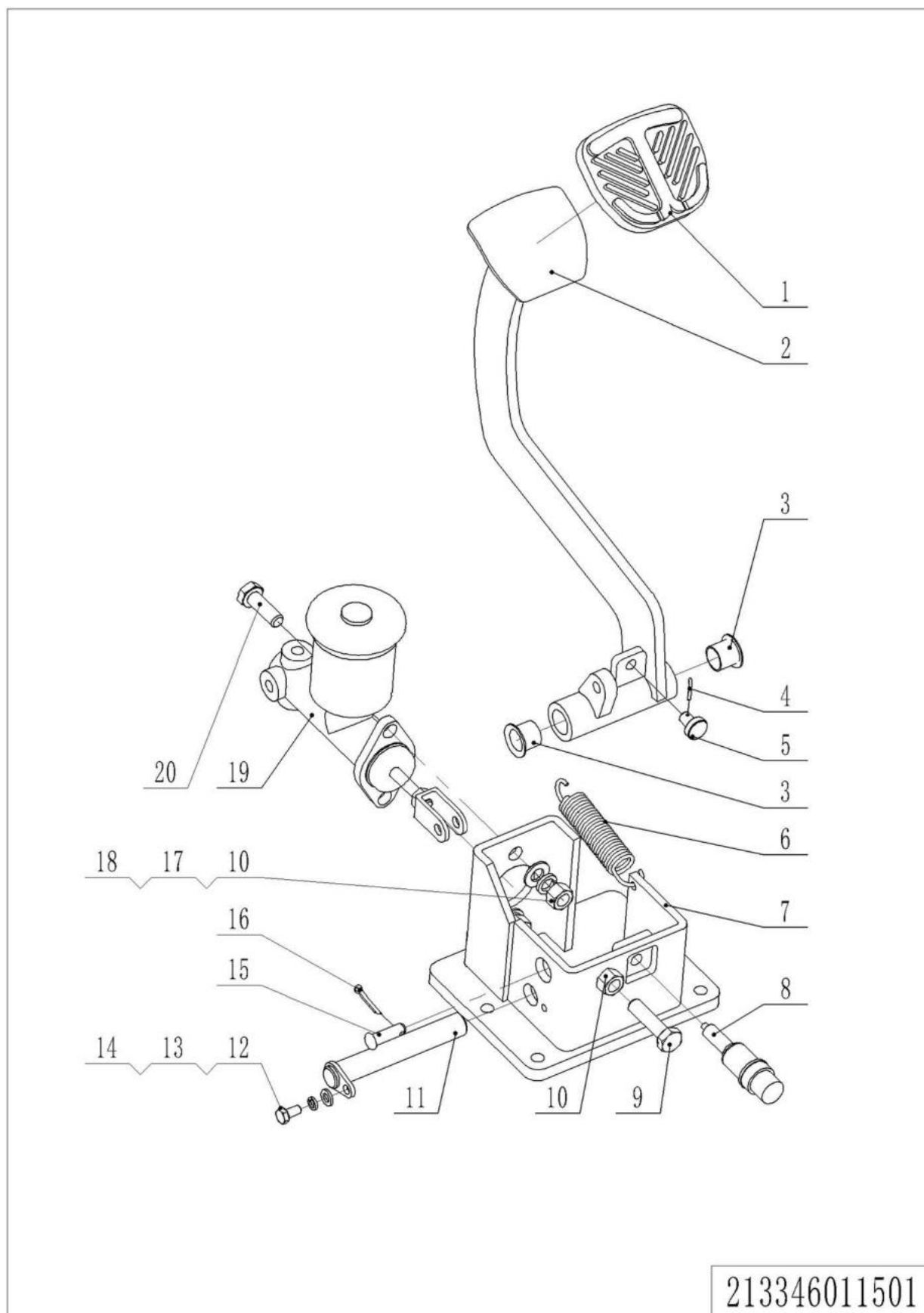
| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 940801700001 |      | Handwheel        | 1    |            |      |
| 2   | 910200400015 |      | Screw            | 1    |            |      |
| 3   | 212131520006 |      | Washer           | 1    |            |      |
| 4   | 910600800004 |      | Flat Key         | 1    |            |      |
| 5   | 212131520005 |      | Axle             | 1    |            |      |
| 6   | 910200500038 |      | Screw            | 5    |            |      |
| 7   | 910400100004 |      | Flat Washer      | 5    |            |      |
| 8   | 910400500004 |      | Spring Washer    | 5    |            |      |
| 9   | 271531511021 |      | Rotary Damper    | 1    |            |      |
| 10  | 212131520007 |      | Bracket          | 1    |            |      |
| 11  | 910401400012 |      | Circlip          | 1    |            |      |
| 12  | 910700200004 |      | Bearing          | 1    |            |      |
| 13  | 505931520002 |      | Link Block       | 1    |            |      |
| 14  | 910200500009 |      | Screw            | 3    |            |      |
| 15  | 212131520008 |      | Fixing Plate     | 1    |            |      |
| 16  | 910200500021 |      | Screw            | 4    |            |      |
| 17  | 212131510002 |      | Potentiometer    | 1    |            |      |
| 18  | 212131520001 |      | Protective Cover | 1    |            |      |
| 19  | 910200300017 |      | Screw            | 4    |            |      |
| 20  | 910200200033 |      | Screw            | 1    |            |      |
| 21  | 212131520004 |      | Sliding Block    | 1    |            |      |
| 22  | 212131520015 |      | Handwheel        | 1    |            |      |
| 23  | 440517020002 |      | Pin              | 1    |            |      |
| 24  | 212131510000 |      | Fixing Base      | 1    |            |      |
| 25  | 212131520015 |      | Handwheel        | 1    |            |      |
| 26  | 213031540015 |      | Pin              | 1    |            |      |
| 27  | 212131520003 |      | Fixing Plate     | 1    |            |      |
| 28  | 212131520002 |      | Washer           | 1    |            |      |
| 29  | 272031510001 |      | Handle           | 1    |            |      |
| 30  | 910401300003 |      | Circlip          | 1    |            |      |

## 01 Steering Wheel (213346031501) Continuation



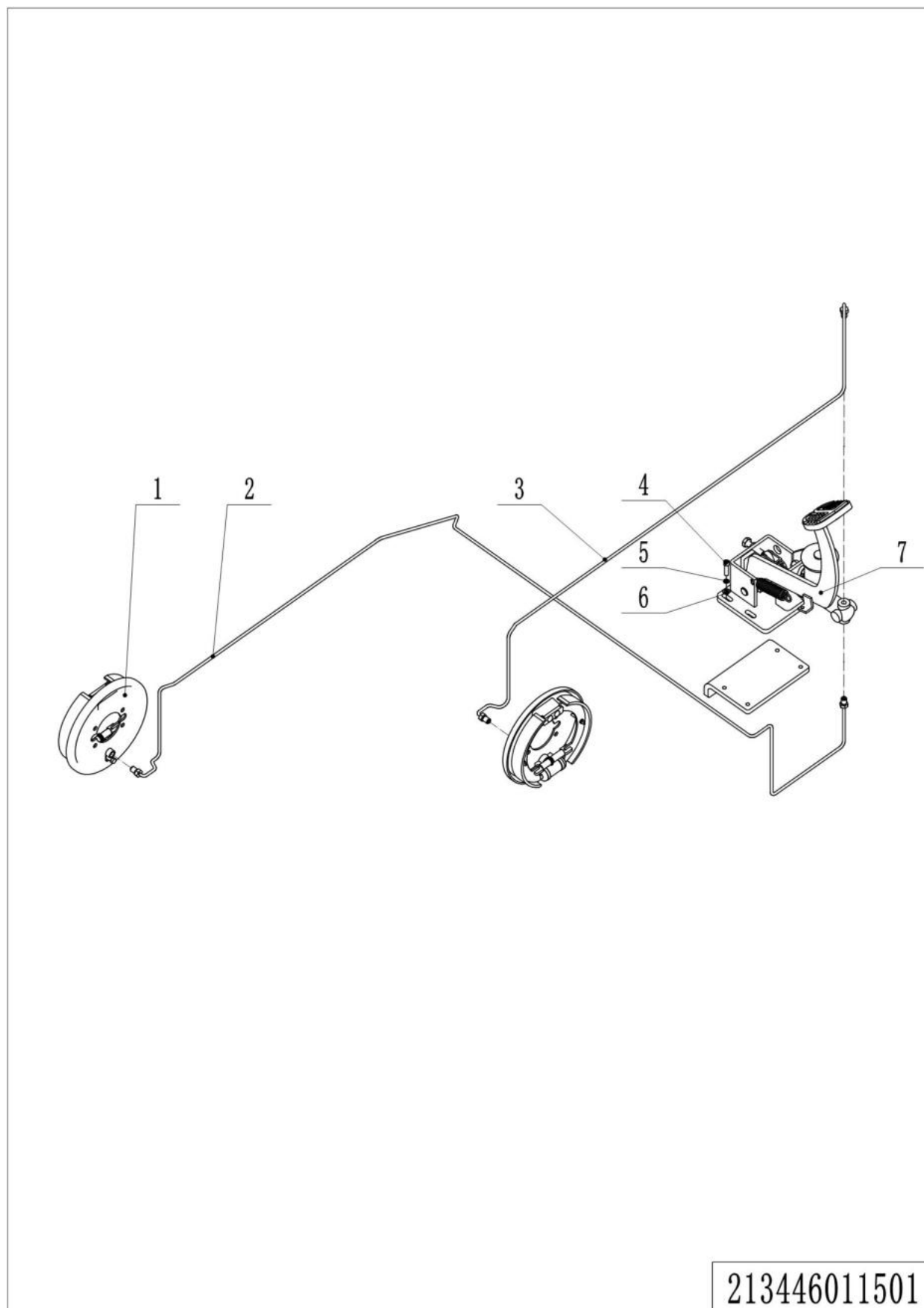
## 01 Steering Wheel (213346031501) Continuation

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 31  | 212131510001 |      | Fixing Base      | 1    |            |      |
| 32  | 212131520000 |      | Protective Cover | 1    |            |      |

**02 Brake Pedal (213346011501)**

## 02 Brake Pedal (213346011501)

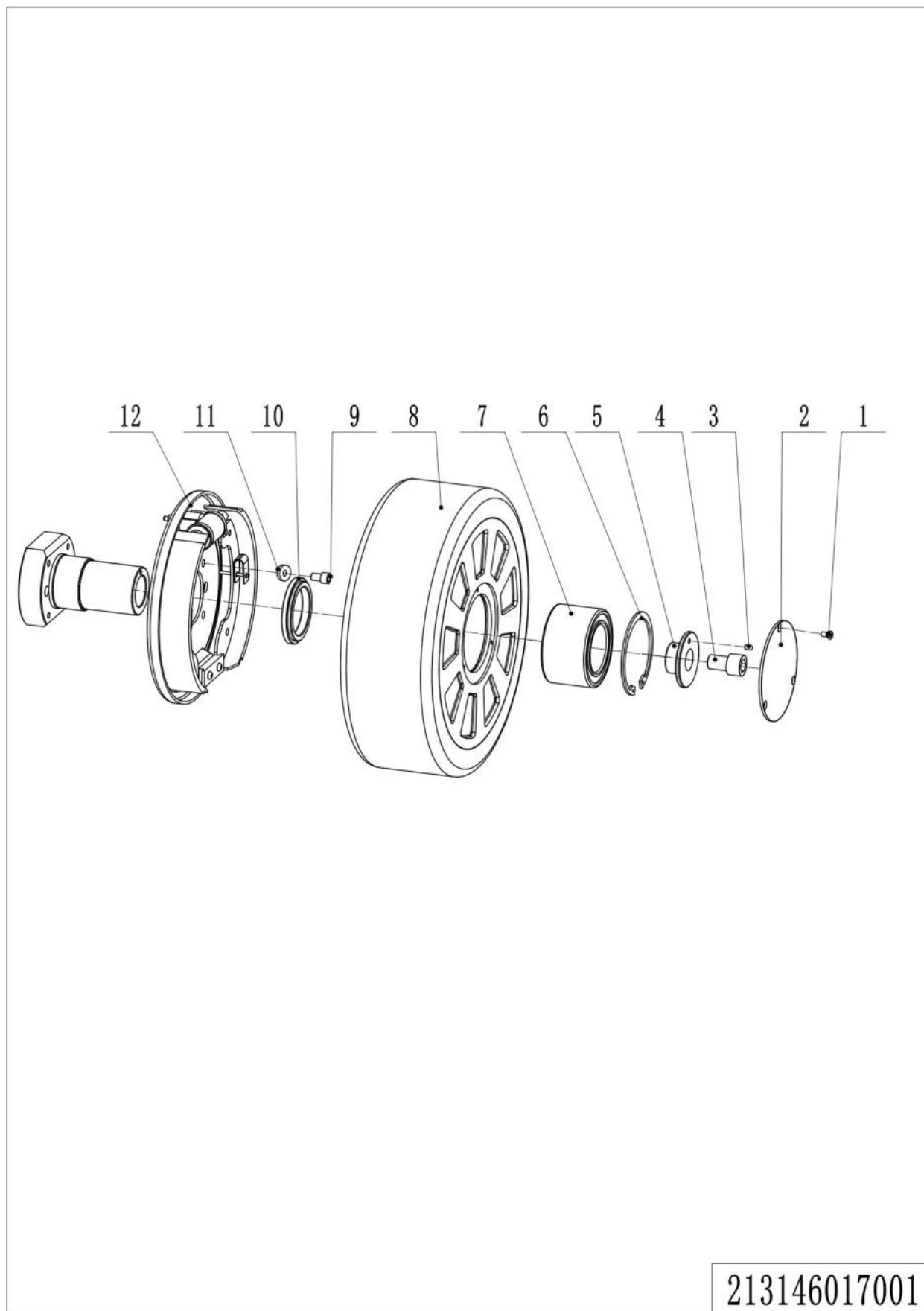
| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 253511520010 |      | Rubber Mat       | 1    |            |      |
| 2   | 212111510003 |      | Platform         | 1    |            |      |
| 3   | 940500200016 |      | Bushing          | 2    |            |      |
| 4   | 910600600011 |      | Cotter Pin       | 1    |            |      |
| 5   | 251011520015 |      | Crash Pad        | 1    |            |      |
| 6   | 275211521013 |      | Spring           | 1    |            |      |
| 7   | 212111510001 |      | Bracket          | 1    |            |      |
| 8   | 920201000002 |      | Switch           | 1    |            |      |
| 9   | 910100300039 |      | Bolt             | 1    |            |      |
| 10  | 910300100007 |      | Nut              | 3    |            |      |
| 11  | 212111510002 |      | Pin              | 1    |            |      |
| 12  | 910400100005 |      | Flat Washer      | 1    |            |      |
| 13  | 910400500005 |      | Spring Washer    | 1    |            |      |
| 14  | 910100300009 |      | Bolt             | 1    |            |      |
| 15  | 910600700026 |      | Pin              | 1    |            |      |
| 16  | 910600600026 |      | Cotter Pin       | 1    |            |      |
| 17  | 910400100007 |      | Flat Washer      | 2    |            |      |
| 18  | 910400500007 |      | Spring Washer    | 2    |            |      |
| 19  | 212111510006 |      | Brake Pump       | 1    |            |      |
| 20  | 910100300037 |      | Bolt             | 2    |            |      |

**03 Brake Unit (213446011501)**

1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

## 03 Brake Unit (213446011501)

| No. | Item Code    | Mark | Item Description    | Qty. | Substitute | Note |
|-----|--------------|------|---------------------|------|------------|------|
| 1   | 940700200003 |      | Brake               | 2    |            |      |
| 2   | 213111510002 |      | Steel Tube          | 1    |            |      |
| 3   | 213111510001 |      | Steel Tube          | 1    |            |      |
| 4   | 920201000002 |      | Switch              | 1    |            |      |
| 5   | 910200200058 |      | Screw               | 4    |            |      |
| 6   | 910400500006 |      | Spring Washer       | 4    |            |      |
| 7   | 910400100006 |      | Flat Washer         | 4    |            |      |
| 8   | 212111510000 |      | Foot Brake Assembly | 1    |            |      |

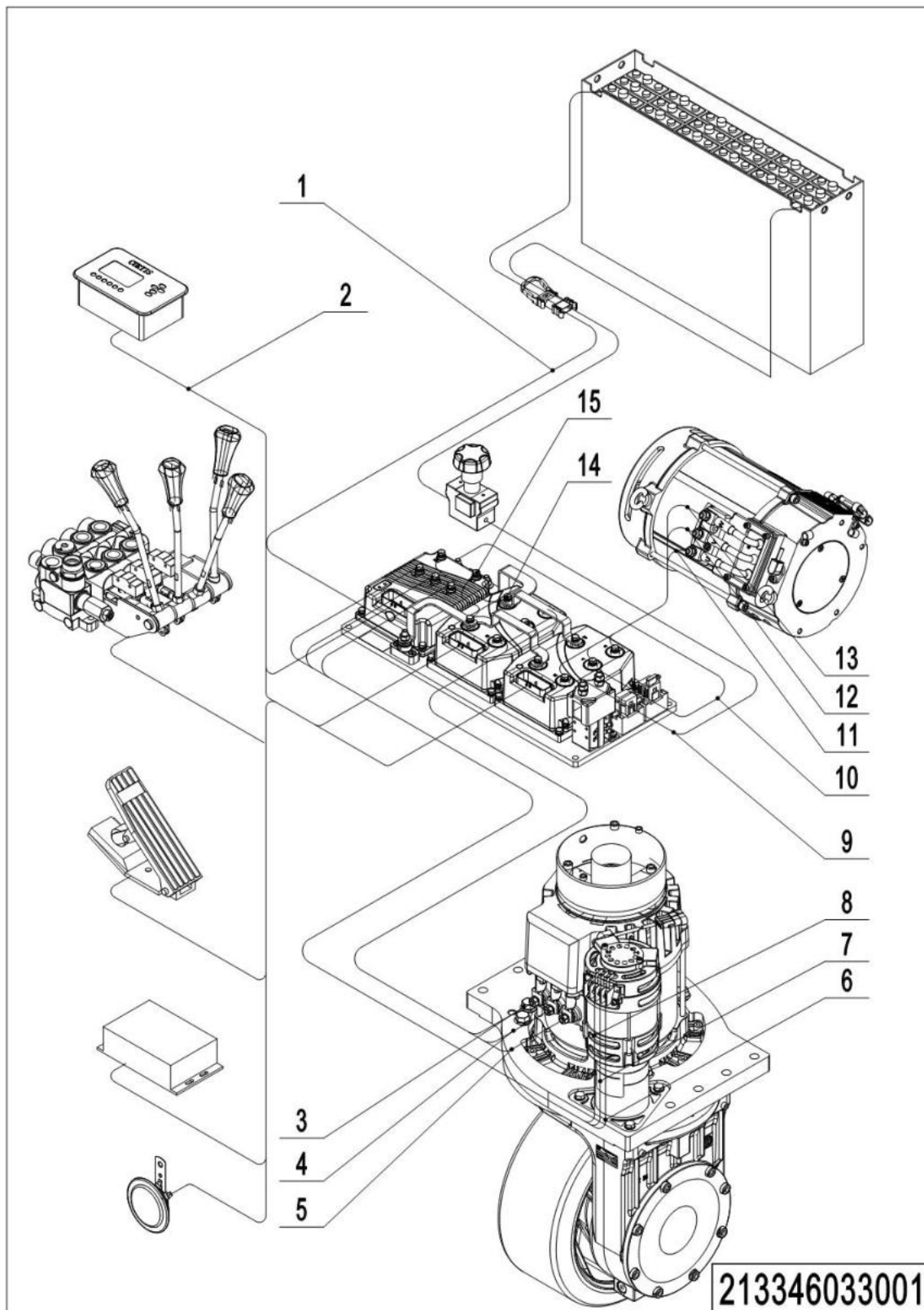
**04 Load Wheel (213146017001)**

## 04 Load Wheel (213146017001)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 910200600016 |      | Screw            | 3    |            |      |
| 2   | 212117020000 |      | Close Plate      | 1    |            |      |
| 3   | 910600100009 |      | Cylindrical Pin  | 1    |            |      |
| 4   | 910202500001 |      | Screw            | 1    |            |      |
| 5   | 212117020002 |      | Press Cover      | 1    |            |      |
| 6   | 910401400024 |      | Circlip          | 1    |            |      |
| 7   | 941101000005 |      | Bearing          | 1    |            |      |
| 8   | 940300300035 |      | WheelΦ330x110    | 1    |            |      |
| 9   | 910100300022 |      | Bolt             | 4    |            |      |
| 10  | 212117020001 |      | Washer           | 1    |            |      |
| 11  | 910400100006 |      | Flat Washer      | 4    |            |      |
| 12  | 940700200003 |      | Brake            | 1    |            |      |

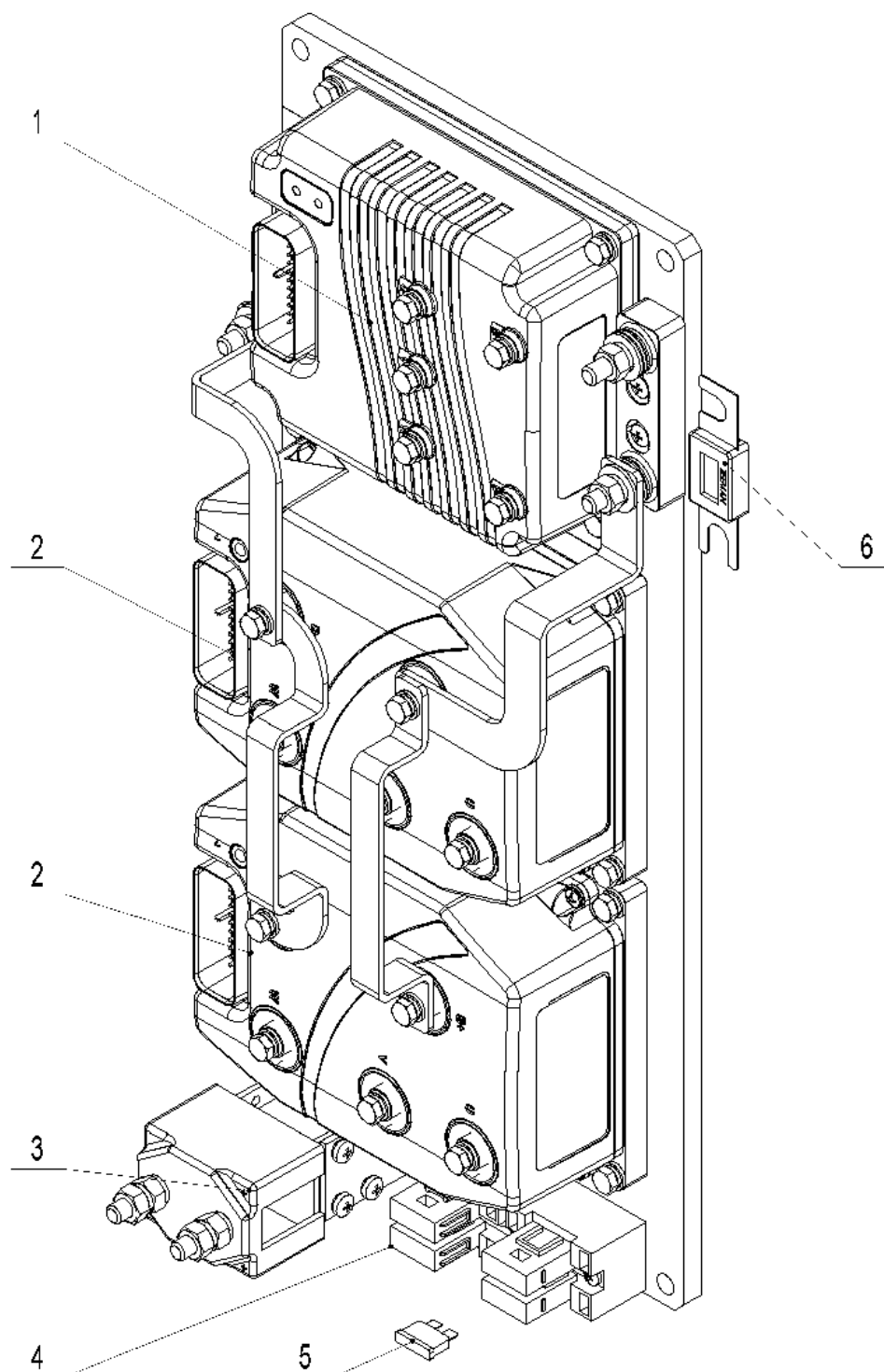
## Chapter 6: Electrical Parts

### 01 Wire Harness (213346033001)



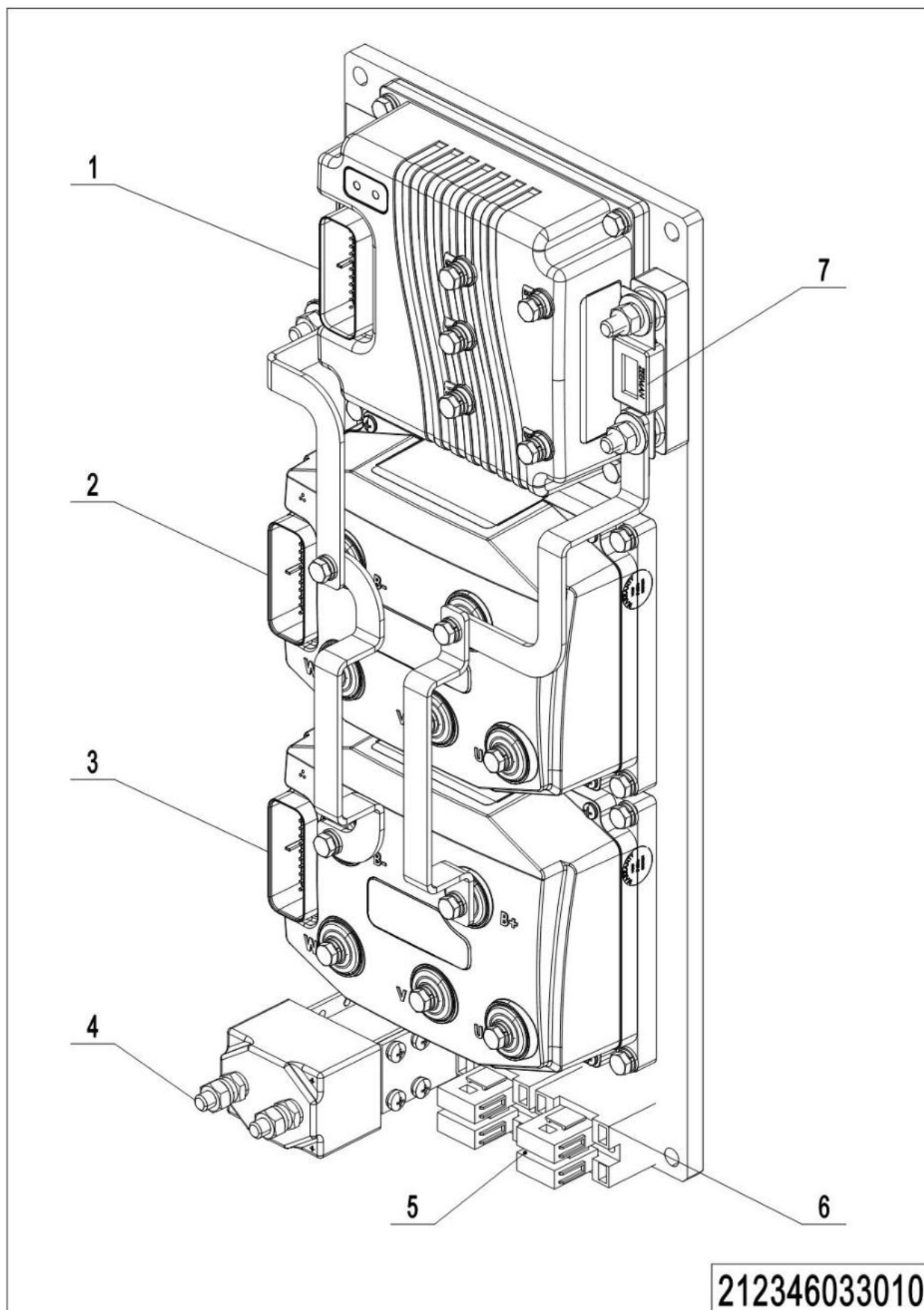
## 01 Wire Harness (213346033001)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note              |
|-----|--------------|------|------------------|------|------------|-------------------|
| 1   | 213133010001 |      | Wire Harness     | 1    |            | Lead Acid         |
| 1   | 213133010017 |      | Wire Harness     | 1    |            | Lithium           |
| 2   | 212333010000 |      | Wire Harness     | 1    |            | 1232SE(Lead Acid) |
| 2   | 212333010003 |      | Wire Harness     | 1    |            | 1232SE(Lithium)   |
| 2   | 213433010023 |      | Wire Harness     | 1    |            | F4A               |
| 2   | 213433010010 |      | Wire Harness     | 1    |            | INMOTION          |
| 3   | 212133010001 |      | Cable            | 1    |            |                   |
| 4   | 212133010002 |      | Cable            | 1    |            |                   |
| 5   | 212133010003 |      | Cable            | 1    |            |                   |
| 6   | 212133010007 |      | Cable            | 1    |            |                   |
| 7   | 212133010008 |      | Cable            | 1    |            |                   |
| 8   | 212133010009 |      | Cable            | 1    |            |                   |
| 9   | 212133010011 |      | Cable            | 1    |            |                   |
| 10  | 212133010012 |      | Cable            | 1    |            |                   |
| 11  | 212133010004 |      | Cable            | 1    |            |                   |
| 12  | 212133010005 |      | Cable            | 1    |            |                   |
| 13  | 212133010006 |      | Cable            | 1    |            |                   |
| 14  | 213033010018 |      | Cable            | 1    |            |                   |
| 15  | 213033010019 |      | Cable            | 1    |            |                   |

**02 Controller 1232SE (211046033002)****211046033002**

## 02 Controller 1232SE (211046033002)

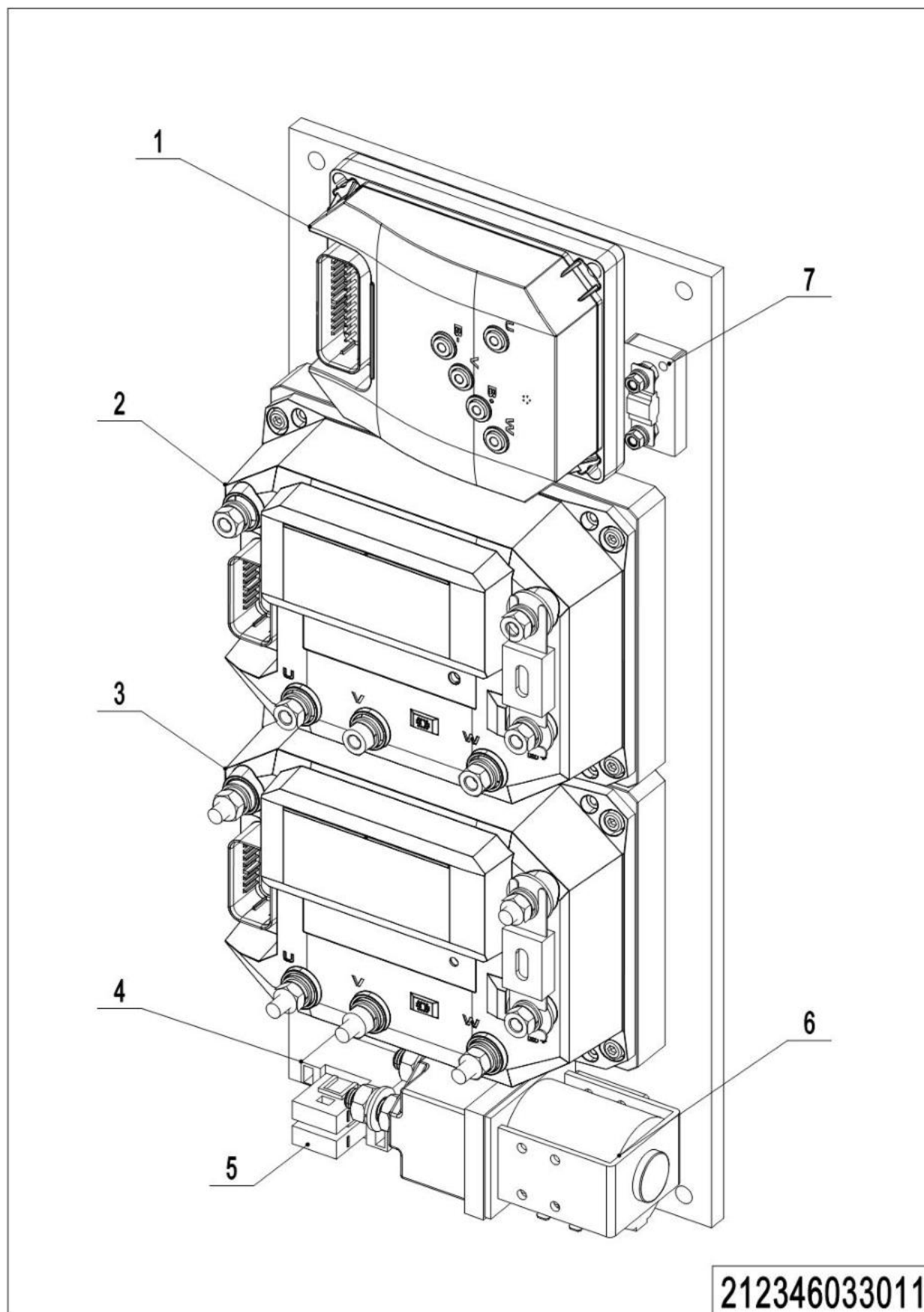
| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note                |
|-----|--------------|------|------------------|------|------------|---------------------|
| 1   | 921400100004 |      | Controller       | 1    |            | Steering Controller |
| 2   | 921400100043 |      | Controller       | 1    |            | Drive Controller    |
| 2   | 921400100043 |      | Controller       | 1    |            | Oil Pump Controller |
| 3   | 920700100008 |      | Contactor        | 1    |            |                     |
| 4   | 920100400004 |      | Fuse Holder      | 1    |            |                     |
| 5   | 920100200002 |      | Fuse             | 1    |            |                     |
| 6   | 920100100014 |      | Fuse             | 1    |            |                     |

**03 Controller F4A(212346033010)**

1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

## 03 Controller F4A(212346033010)

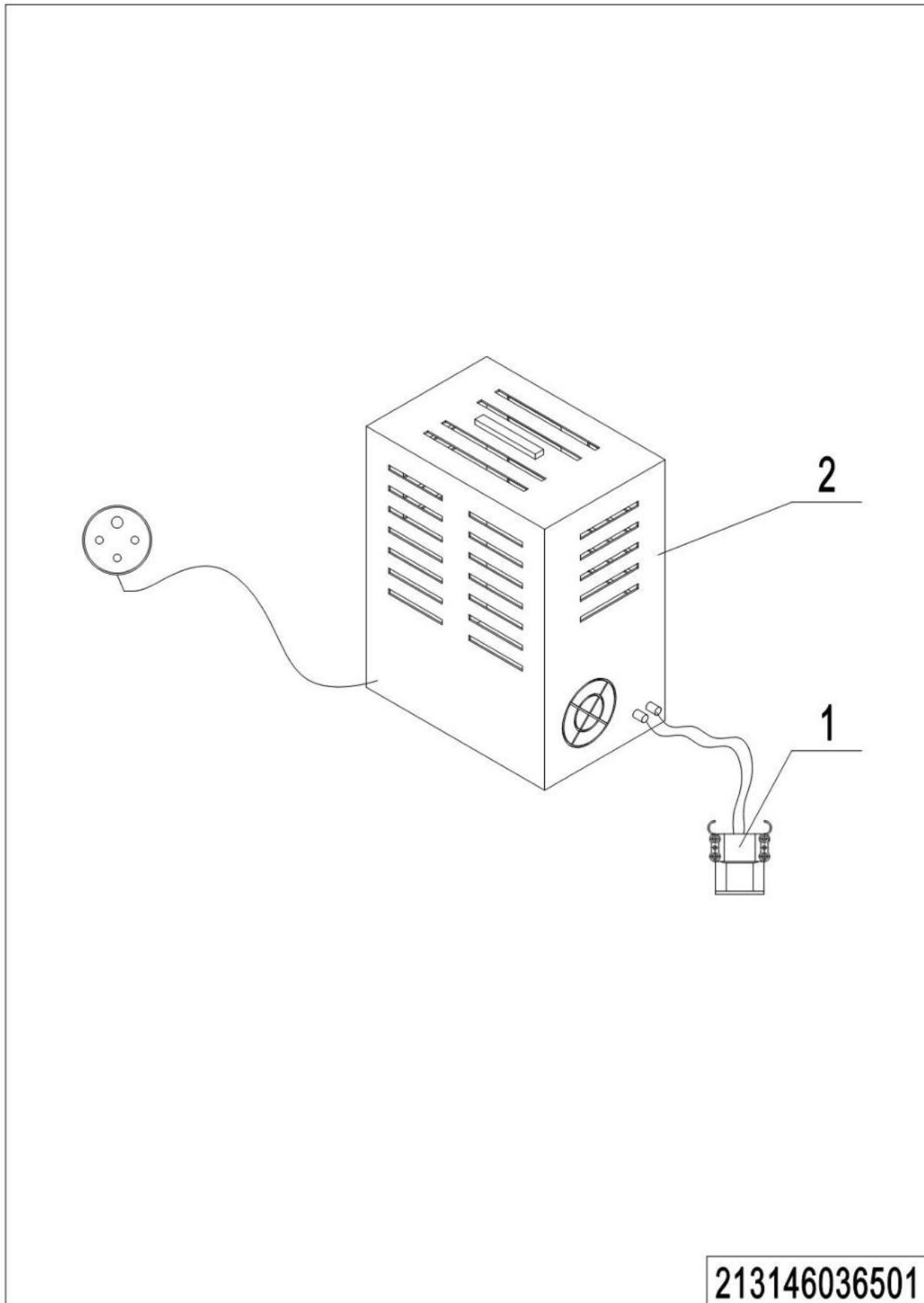
| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note                |
|-----|--------------|------|------------------|------|------------|---------------------|
| 1   | 921400100004 |      | Controller       | 1    |            | Steering Controller |
| 2   | 921400100156 |      | Controller       | 1    |            | Drive Controller    |
| 3   | 921400100156 |      | Controller       | 1    |            | Oil Pump Controller |
| 4   | 920700100008 |      | Contactor        | 1    |            |                     |
| 5   | 920100200002 |      | Fuse             | 4    |            |                     |
| 6   | 920100400004 |      | Fuse Holder      | 2    |            |                     |
| 7   | 920100100014 |      | Fuse             | 1    |            |                     |

**04 Controller INMOTION(212346033011)**

1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

## 04 Controller INMOTION(212346033011)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note                |
|-----|--------------|------|------------------|------|------------|---------------------|
| 1   | 921400100165 |      | Controller       | 1    |            | Steering Controller |
| 2   | 921400100069 |      | Controller       | 1    |            | Drive Controller    |
| 3   | 921400100069 |      | Controller       | 1    |            | Oil Pump Controller |
| 4   | 920100400004 |      | Fuse Holder      | 1    |            |                     |
| 5   | 920100200002 |      | Fuse             | 4    |            |                     |
| 6   | 920700100030 |      | Contactor        | 2    |            |                     |
| 7   | 920100100026 |      | Fuse             | 1    |            |                     |

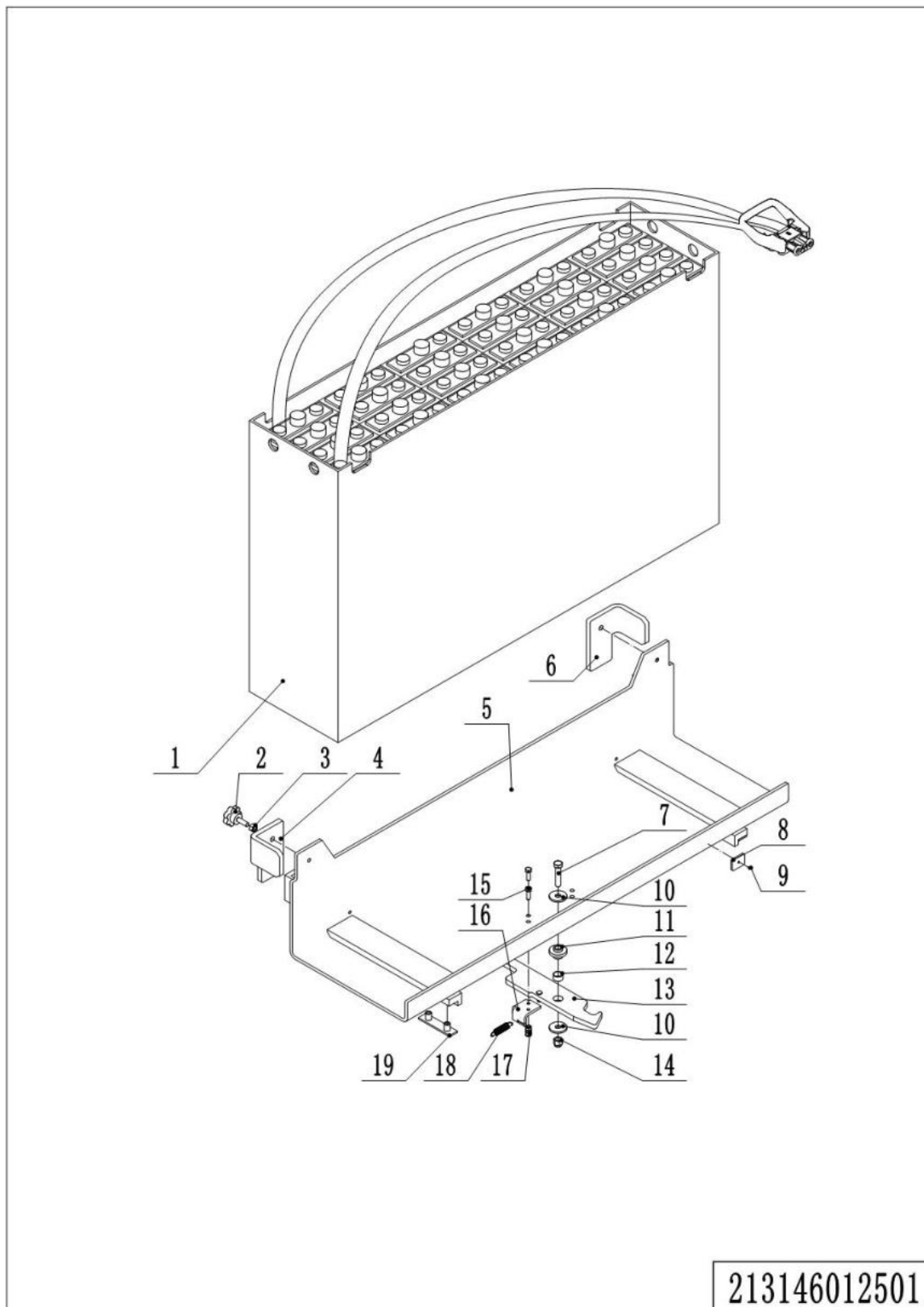
**05 Charger (213146036501)**

## 05 Charger (213146036501)

| No. | Item Code    | Mark | Item Description          | Qty. | Substitute | Note      |
|-----|--------------|------|---------------------------|------|------------|-----------|
| 1   | 920400100033 |      | Connector                 | 1    |            | Lead Acid |
| 1   | 920400100037 |      | Connector                 | 1    |            | Lithium   |
| 2   | 921000200079 |      | Charger48V80A(Aisa-CHN)   | 1    |            | Lead Acid |
| 2   | 921000200080 |      | Charger48V80A(Aisa-ENG)   | 1    |            | Lead Acid |
| 2   | 921000200081 |      | Charger48V80A(EU)         | 1    |            | Lead Acid |
| 2   | 921000200082 |      | Charger48V80A(ENG)        | 1    |            | Lead Acid |
| 2   | 921000200083 |      | Charger48V80A(AUS)        | 1    |            | Lead Acid |
| 2   | 921000200084 |      | Charger48V80A(USA)        | 1    |            | Lead Acid |
| 2   | 921000200555 |      | Charger48V80A(380V)       | 1    |            | Lead Acid |
| 2   | 921000200560 |      | Charger48V80A(USA220V)    | 1    |            | Lead Acid |
| 2   | 921000200401 |      | Charger 48V200A(Aisa-CHN) | 1    |            | Lithium   |
| 2   | 921000200481 |      | Charger 48V200A (EU)      | 1    |            | Lithium   |
| 2   | 921000200406 |      | Charger 48V150A(Aisa-CHN) | 1    |            | Lithium   |
| 2   | 921000200451 |      | Charger 48V150A(ZF)       | 1    |            | Lithium   |
| 2   | 921000200696 |      | Charger48V150A(USA)       | 1    |            | Lithium   |
| 2   | 921000200697 |      | Charger48V200A(USA)       | 1    |            | Lithium   |
| 2   | 921000200699 |      | Charger48V35A(USA)        | 1    |            | Lithium   |
| 2   | 921000200702 |      | Charger48V200A(USA380V)   | 1    |            | Lithium   |

## Chapter 7: Special Parts

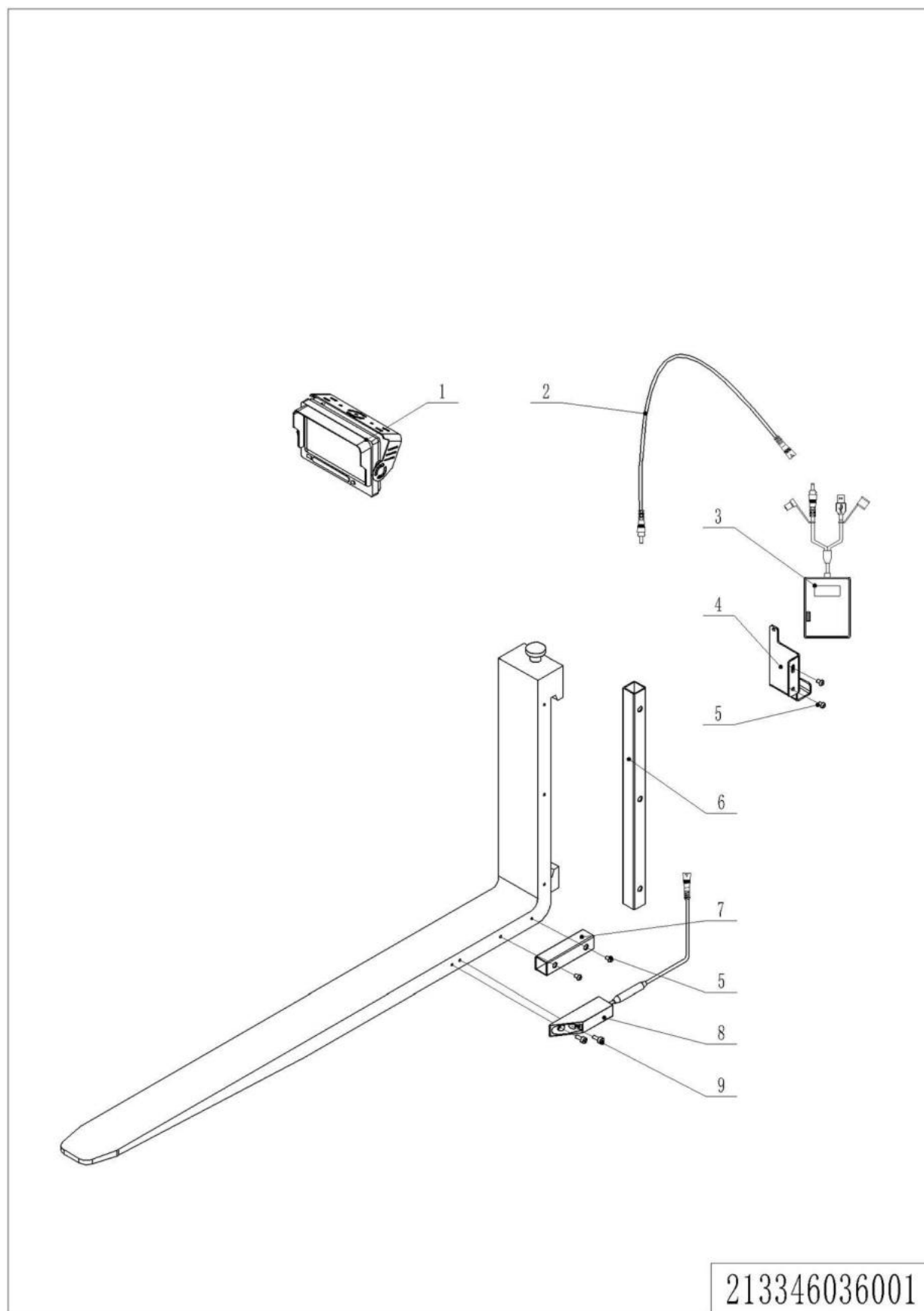
### 01 Battery Holder (213146012501)



1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

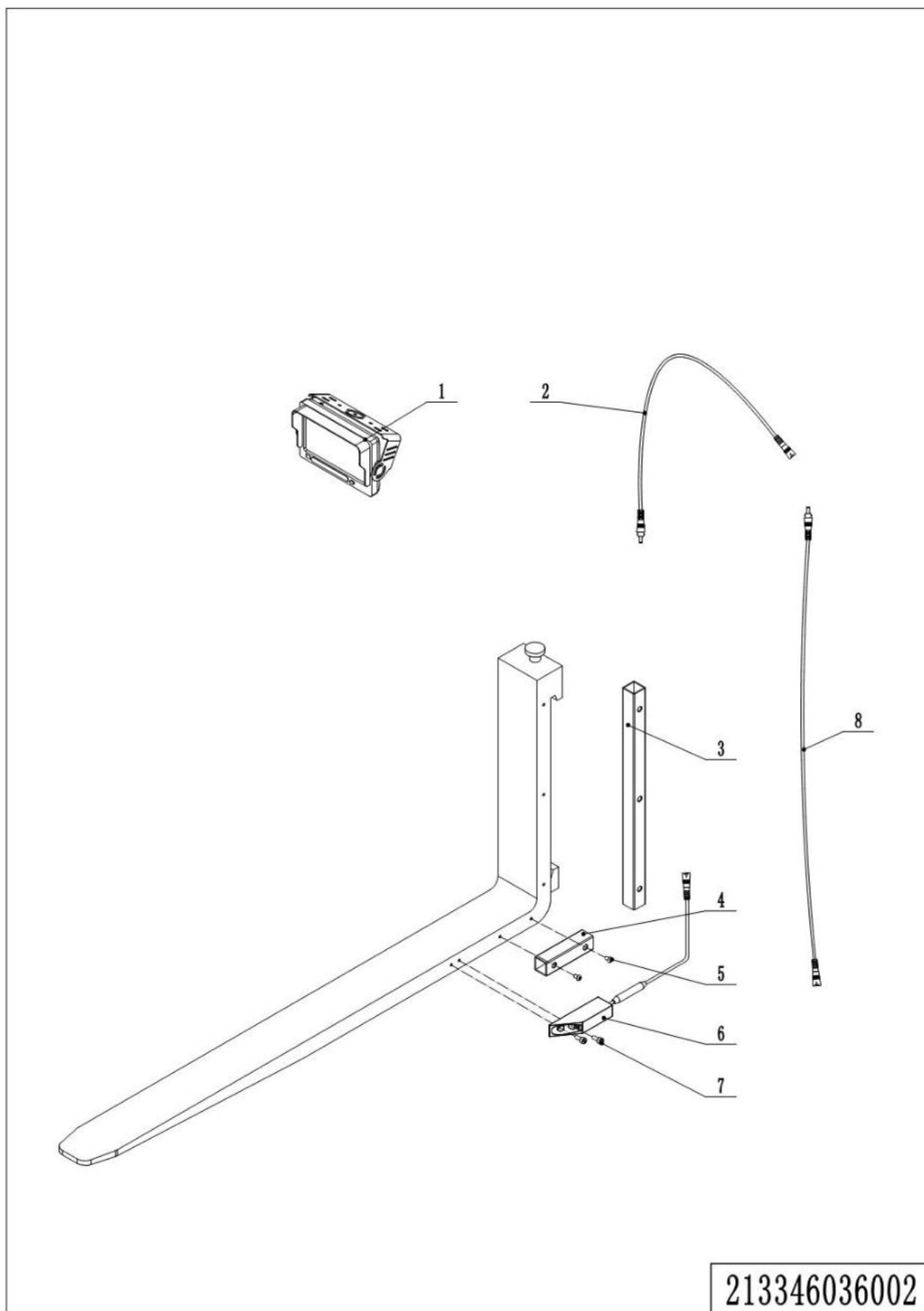
## 01 Battery Holder (213146012501)

| No. | Item Code    | Mark | Item Description        | Qty. | Substitute | Note |
|-----|--------------|------|-------------------------|------|------------|------|
| 1   | 213137010000 |      | Battery48V560Ah(welded) | 1    |            |      |
| 1   | 213137010001 |      | Battery48V560Ah         | 1    |            |      |
| 1   | 213137040000 |      | Battery48V560Ah         | 1    |            |      |
| 1   | 213137010003 |      | Battery48V560Ah         | 1    |            |      |
| 1   | 920600100121 |      | Li Battery48V400Ah      | 1    |            |      |
| 1   | 920600100156 |      | Li Battery48V300Ah      | 1    |            |      |
| 1   | 920600100282 |      | Li Battery48V300Ah      | 1    |            |      |
| 1   | 920600100283 |      | Li Battery48V300Ah      | 1    |            |      |
| 1   | 920600100284 |      | Li Battery48V400Ah      | 1    |            |      |
| 1   | 920600100285 |      | Li Battery48V400Ah      | 1    |            |      |
| 1   | 920600100292 |      | Li Battery48V400Ah      | 1    |            |      |
| 1   | 920600100293 |      | Li Battery48V400Ah      | 1    |            |      |
| 2   | 911000300002 |      | Handle                  | 2    |            |      |
| 3   | 910300100007 |      | Nut                     | 2    |            |      |
| 4   | 213012520303 |      | Stop Block              | 1    |            |      |
| 5   | 213112510000 |      | Battery Rack            | 1    |            |      |
| 6   | 213012520304 |      | Stop Block              | 1    |            |      |
| 7   | 910100300055 |      | Bolt                    | 1    |            |      |
| 8   | 255021020068 |      | cushion rubber          | 2    |            |      |
| 9   | 910200400014 |      | Bolt                    | 2    |            |      |
| 10  | 213012520009 |      | Washer                  | 2    |            |      |
| 11  | 213012520008 |      | Bracket                 | 1    |            |      |
| 12  | 940500100012 |      | Bushing                 | 1    |            |      |
| 13  | 213112510011 |      | Pothook                 | 1    |            |      |
| 14  | 910300500006 |      | Nut                     | 1    |            |      |
| 15  | 910100300023 |      | Bolt                    | 2    |            |      |
| 16  | 213012520005 |      | Plate                   | 1    |            |      |
| 17  | 910300500004 |      | Nut                     | 2    |            |      |
| 18  | 213012520006 |      | Spring                  | 1    |            |      |
| 19  | 255044020131 |      | Subplate                | 4    |            |      |

**02 Monitor (213346036001)**

## 02 Monitor (213346036001)

| No. | Item Code    | Mark | Item Description       | Qty. | Substitute | Note |
|-----|--------------|------|------------------------|------|------------|------|
| 1   | 921100100058 |      | Display                | 1    |            |      |
| 2   | 921500100110 |      | Wire                   | 1    |            |      |
| 3   | 920600100384 |      | Li Battery3.7V30000mAh | 1    |            |      |
| 4   | 212136020010 |      | Mounting Bracket       | 1    |            |      |
| 5   | 910200300017 | 1    | Screw                  | 7    |            |      |
| 6   | 212136020002 |      | Conduit                | 1    |            |      |
| 7   | 212136020001 |      | Conduit                | 1    |            |      |
| 8   | 921100100059 |      | Camera                 | 1    |            |      |
| 9   | 910200200033 | 1    | Screw                  | 2    |            |      |

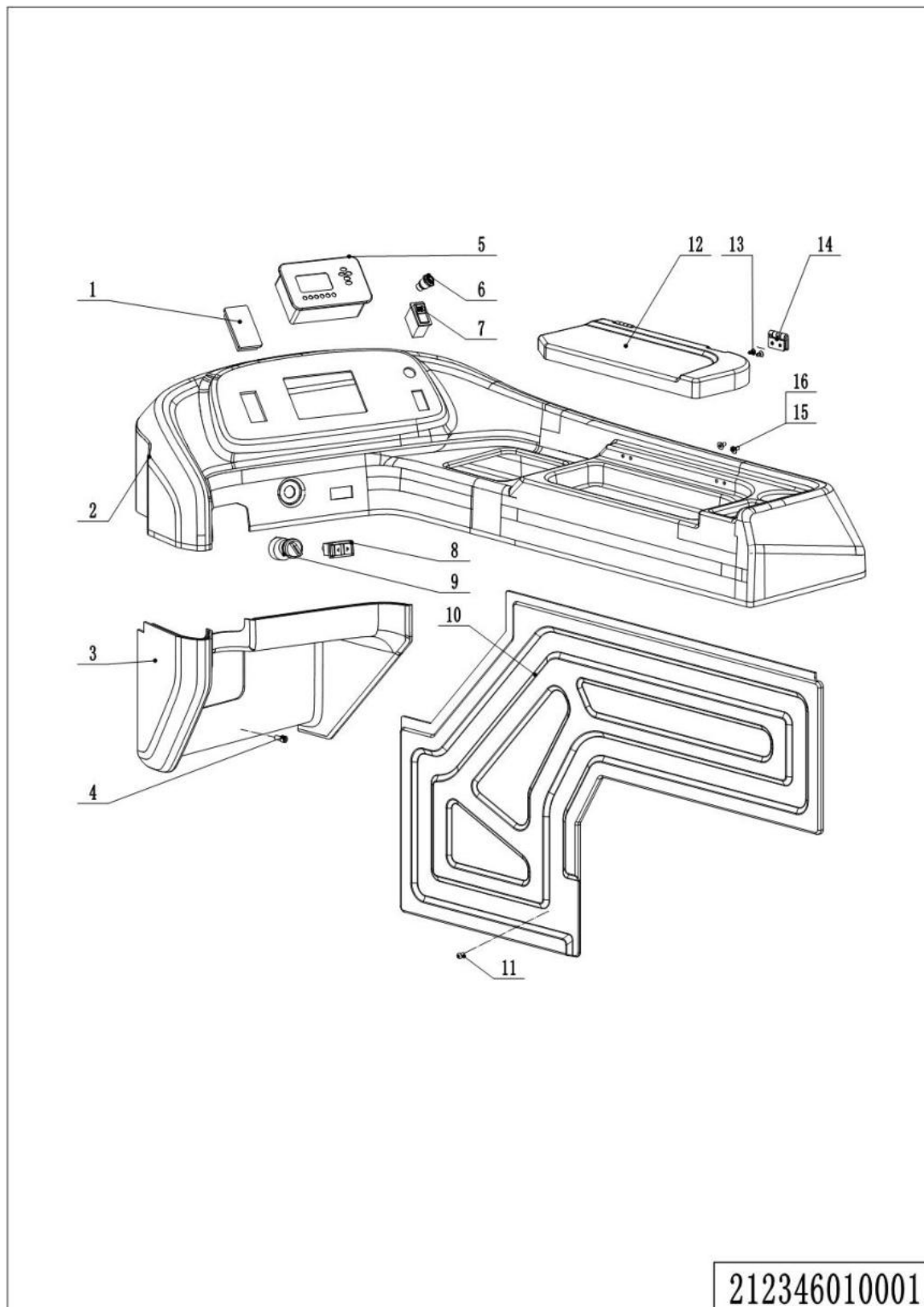
**03 Monitor(Wired power) (213346036002)**

## 03 Monitor(Wired power) (213346036002)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 921100100058 |      | Display          | 1    |            |      |
| 2   | 921500100110 |      | Wire             | 1    |            |      |
| 3   | 212136020002 |      | Conduit          | 1    |            |      |
| 4   | 212136020001 |      | Conduit          | 1    |            |      |
| 5   | 910200300017 |      | Screw            | 7    |            |      |
| 6   | 921100100059 |      | Camera           | 1    |            |      |
| 7   | 910200200033 |      | Screw            | 2    |            |      |
| 8   | /            |      | Wire             | 1    |            |      |

## Chapter 8: Others

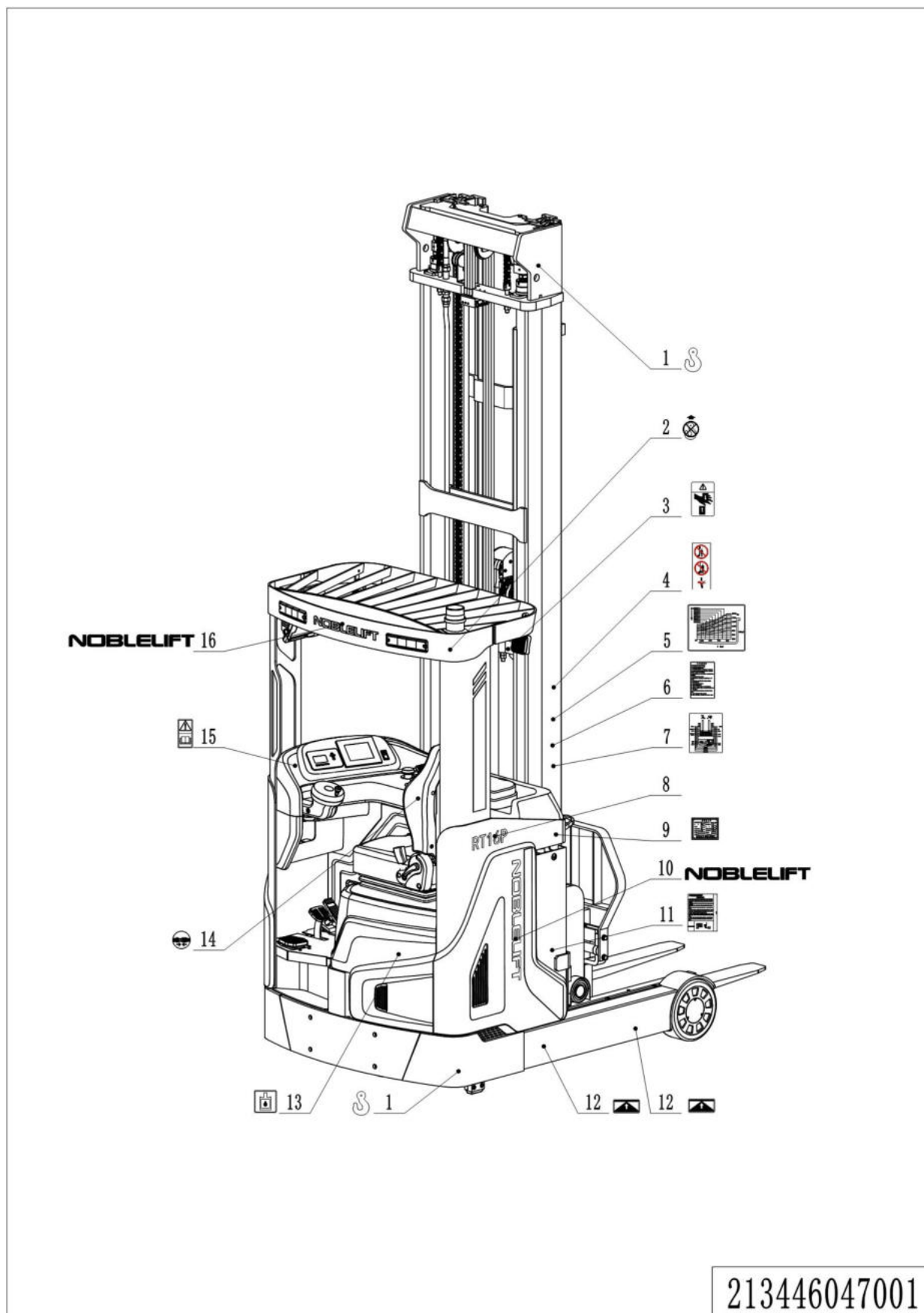
### 01 Control Panel (212346010001)



## 01 Control Panel (212346010001)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note      |
|-----|--------------|------|------------------|------|------------|-----------|
| 1   |              |      | Password lock    | 1    |            |           |
| 2   | 212310020000 |      | Protective Cover | 1    |            |           |
| 3   | 212110020024 |      | Protective Cover | 1    |            |           |
| 4   | 910200500052 |      | Screw            | 1    |            |           |
| 5   | 921100100011 |      | Display          | 1    |            | 1232SE    |
| 5   | 921100100063 |      | Display          | 1    |            | F4A       |
| 5   | 921100100107 |      | Display          | 1    |            | INMOTION  |
| 6   | 920200100002 |      | Emergency Button | 1    |            |           |
| 7   | 920200800009 |      | Rocker Switch    | 1    |            |           |
| 8   | 920200800008 |      | Rocker Switch    | 1    |            |           |
| 9   | 920200200002 |      | Key Switch       | 1    |            | Lead Acid |
| 9   | 920200200008 |      | Key Switch       | 1    |            | Lithium   |
| 10  | 212310020001 |      | Plate            | 1    |            |           |
| 11  | 910200300017 |      | Screw            | 5    |            |           |
| 12  | 212110010000 |      | Cover            | 1    |            |           |
| 13  | 910200400009 |      | Screw            | 2    |            |           |
| 14  | 940801300003 |      | Hinge            | 2    |            |           |
| 15  | 910200300013 |      | Screw            | 4    |            |           |
| 16  | 212210020007 |      | Fixing Plate     | 1    |            |           |

## 02 Labels and Decals (213446047001)

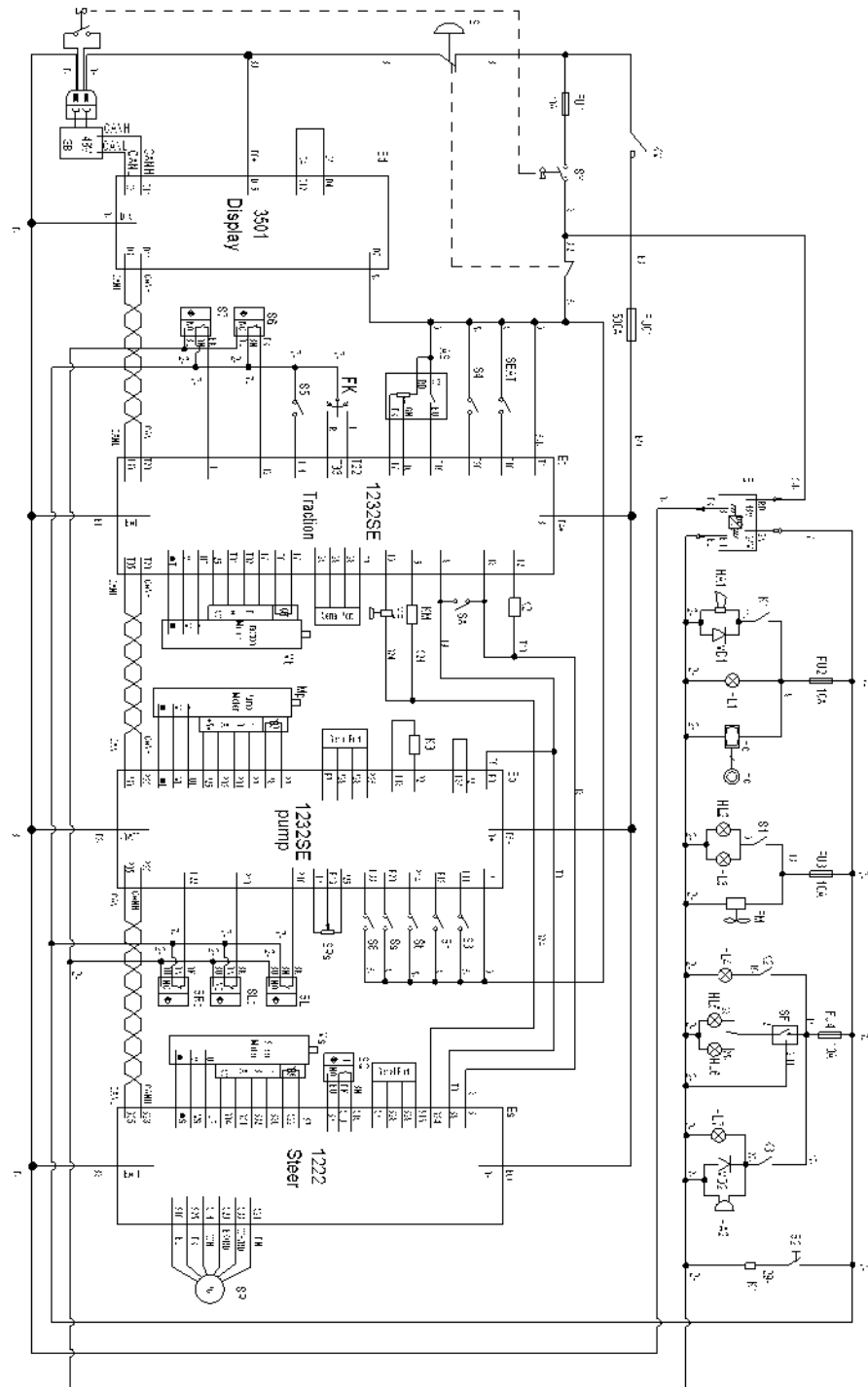


## 02 Labels and Decals (213446047001)

| No. | Item Code    | Mark | Item Description      | Qty. | Substitute | Note |
|-----|--------------|------|-----------------------|------|------------|------|
| A   | 941200300001 |      | Label                 | 4    |            |      |
| B   | 941200100025 |      | Label                 | 2    |            |      |
| C   | 941200100027 |      | Label                 | 2    |            |      |
| D   | 941200100004 |      | Label                 | 2    |            |      |
| E   | 212147020016 |      | Load Capacity Diagram | 2    |            |      |
| F   | 213447020000 |      | Label                 | 1    |            |      |
| G   | 941200600003 |      | Identification Plate  | 1    |            |      |
| H   | 212147020006 |      | Label                 | 1    |            |      |
| I   | 255047020023 |      | Label                 | 4    |            |      |
| J   | 255047020004 |      | Label                 | 1    |            |      |
| K   | 255047020012 |      | Label                 | 1    |            |      |
| L   | 941200300011 |      | Label                 | 1    |            |      |
| M   | 212147020007 |      | Label                 | 1    |            |      |

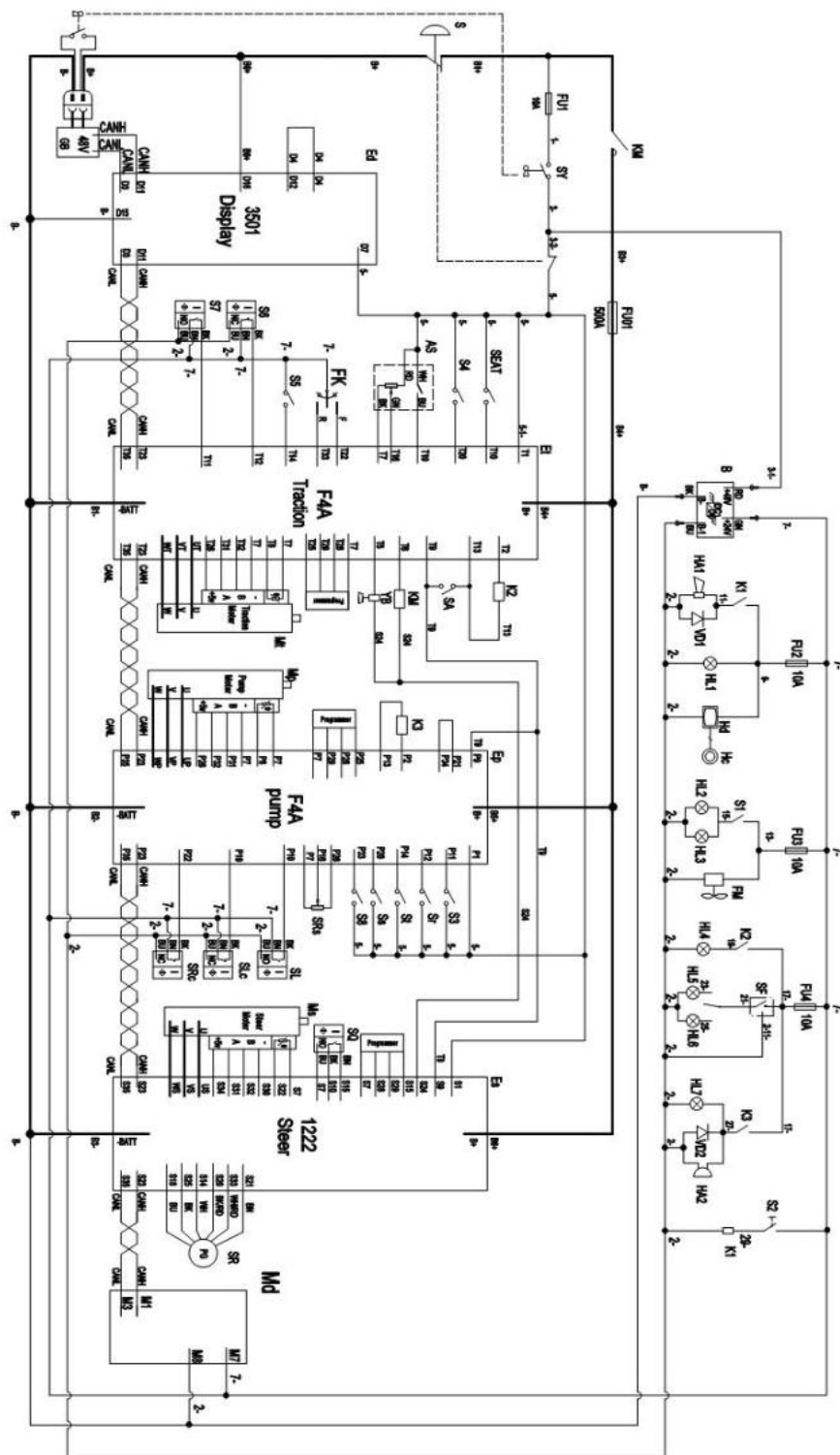
## Appendix

### 01 Electrical Circuit Diagram 1232SE

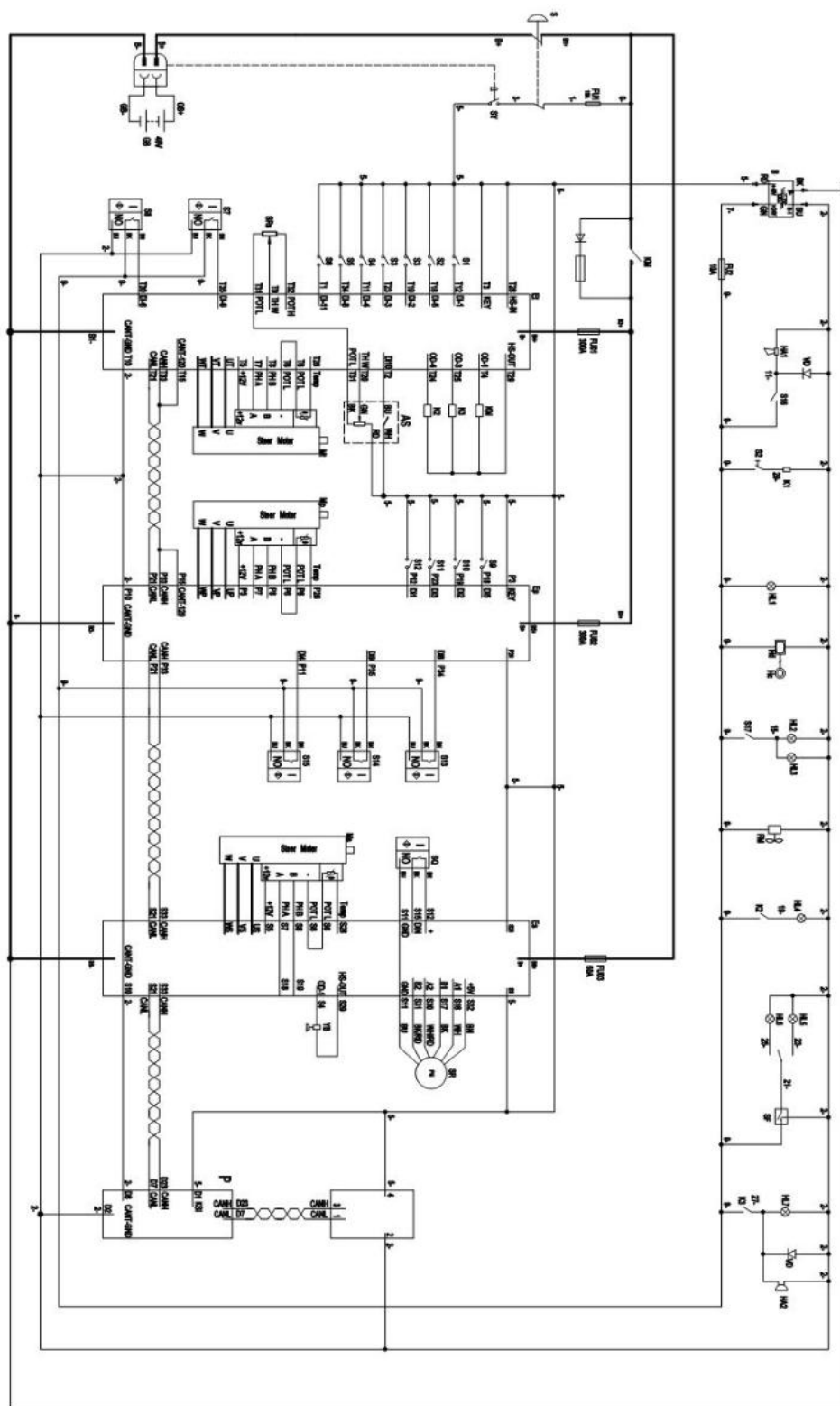


212346045502

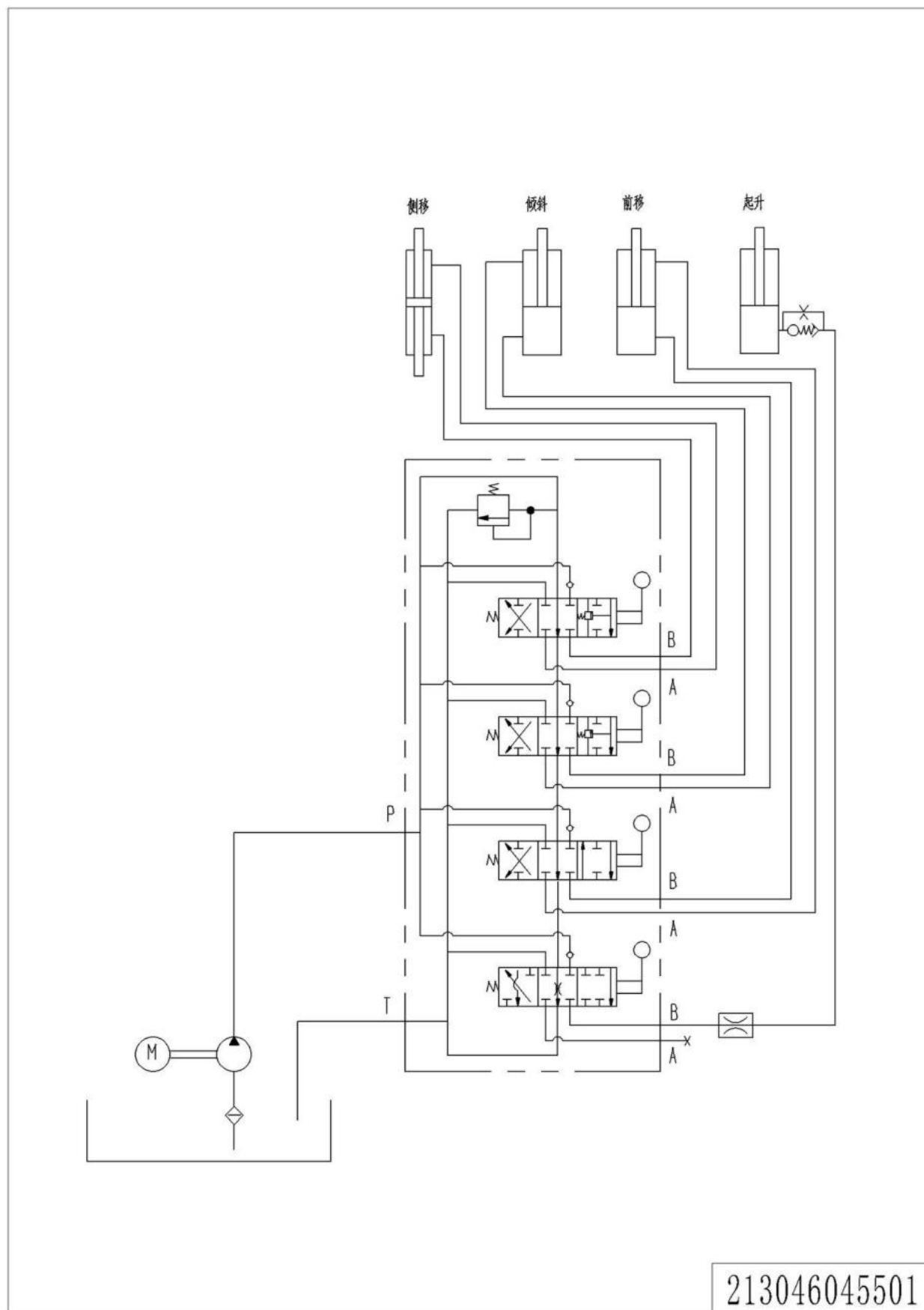
212346045503



212346045504



## 04 Hydraulic Circuit Diagram



**1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.**

## 05 Consumable Parts List

[illegible]

1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.