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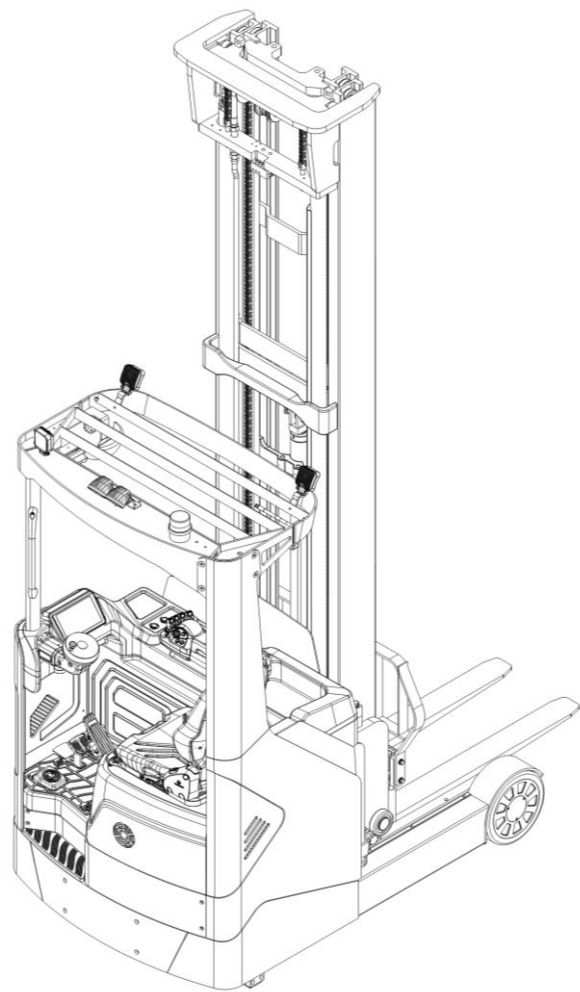
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# NOBLELIFT

**Reach Truck RT20G**

**PARTS MANUAL**

213946010101



Version: V01

Truck Identification Number From:

Parts Manual

RT20G-PM01EN

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.

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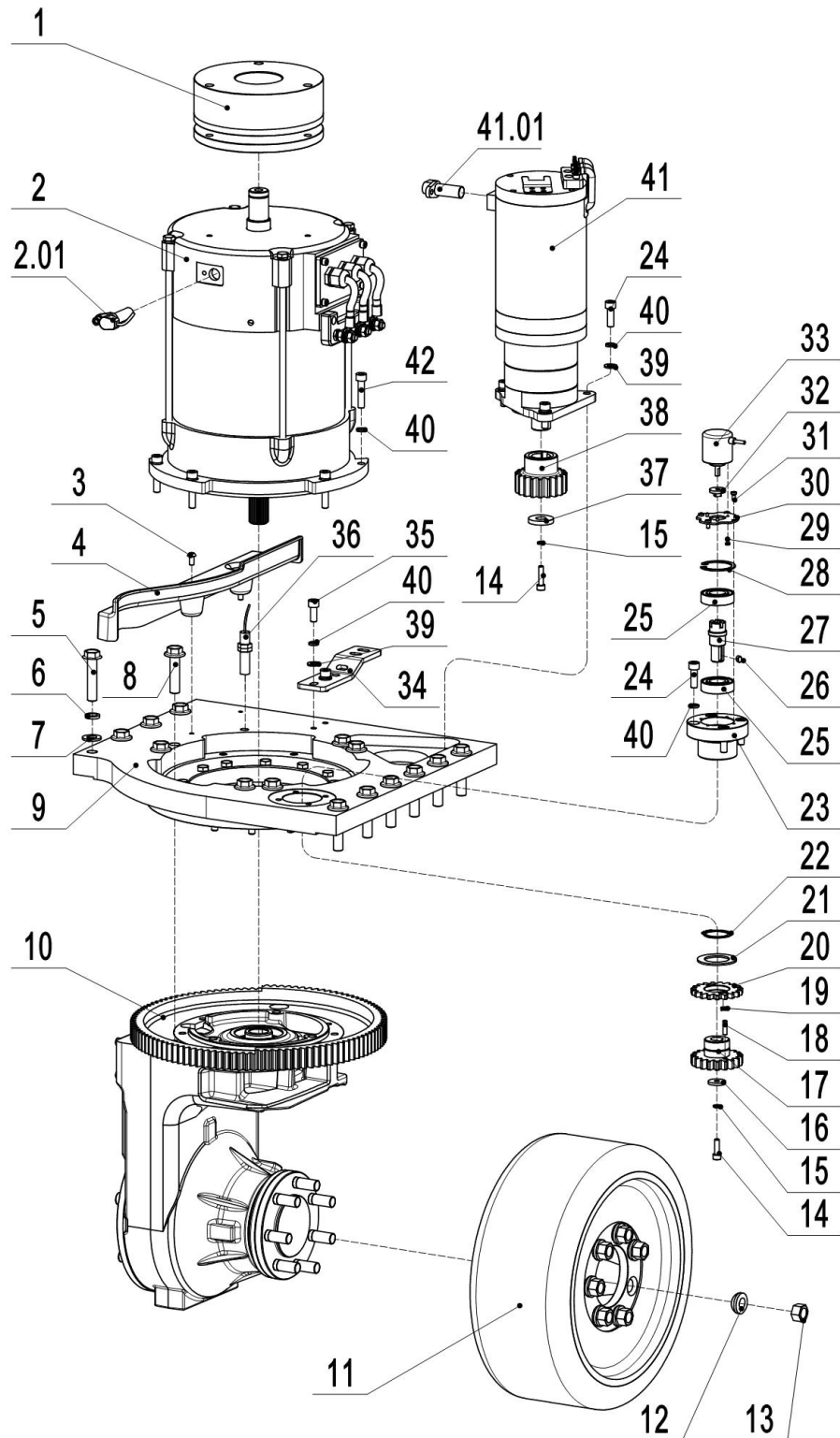
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## Chapter 1: Drive System

### 01 Drive Unit (213946013501)

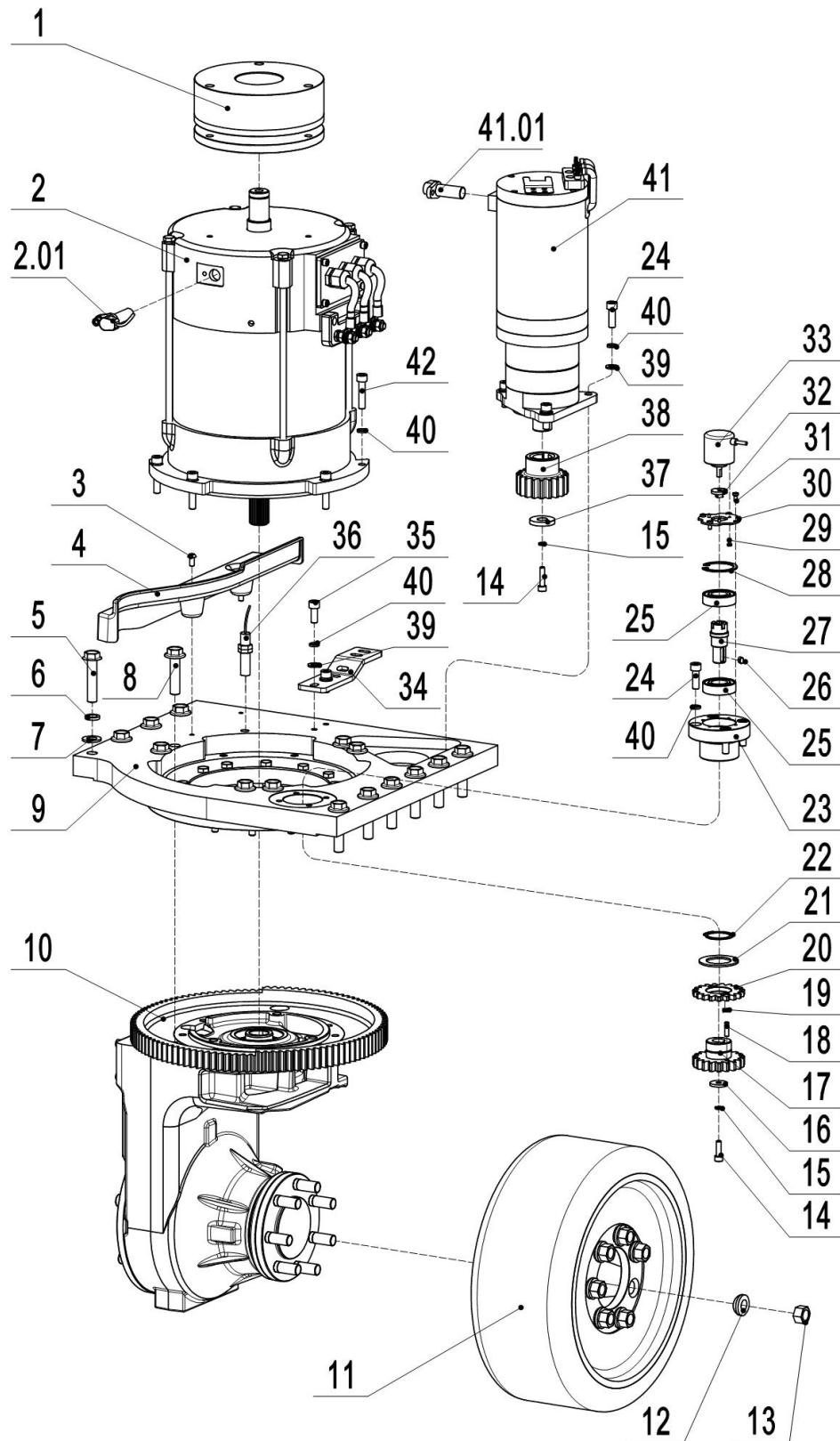


213946013501

## 01 Drive Unit (213946013501)

| No.  | Item Code    | Mark | Item Description                  | Qty. | Substitute | Note |
|------|--------------|------|-----------------------------------|------|------------|------|
| 1    | 940700100003 |      | Electromagnetic Brake             | 1    |            |      |
| 2    | 920900100184 |      | Motor                             | 1    |            |      |
| 2.01 | 921800200011 |      | Encoder                           | 1    |            |      |
| 3    | 910200300017 | 1    | Screw M6x12                       | 2    |            |      |
| 4    | 213918020028 |      | Shutter                           | 1    |            |      |
| 5    | 910100300095 | 1    | Bolt M12x55                       | 10   |            |      |
| 6    | 910400500008 | 1    | Spring Washer                     | 10   |            |      |
| 7    | 910400100008 | 1    | Flat Washer                       | 10   |            |      |
| 8    | 910100800003 |      | Bolt M12x50                       | 6    |            |      |
| 9    | 213913520001 |      | Connecting Plate                  | 1    |            |      |
| 10   | 941000100007 |      | Gearbox                           | 1    |            |      |
| 11   | 940300400041 |      | Drive Wheel $\Phi 343 \times 140$ | 1    |            |      |
| 12   | 940998520073 | 1    | Spring Washer                     | 7    |            |      |
| 13   | 940998520072 | 1    | Nut                               | 7    |            |      |
| 14   | 910200200036 | 1    | Screw M6x20                       | 2    |            |      |
| 15   | 910400500005 | 1    | Spring Washer                     | 2    |            |      |
| 16   | 212113520004 |      | Press Plate                       | 1    |            |      |
| 17   | 212113520007 |      | Gear                              | 1    |            |      |
| 18   | 910600100045 |      | Cylindrical Pin                   | 2    |            |      |
| 19   | 212113520006 |      | Spring                            | 2    |            |      |
| 20   | 212113520008 |      | Gear                              | 1    |            |      |
| 21   | 212113520005 |      | Press Plate                       | 1    |            |      |
| 22   | 910401300017 |      | Circlip (Shaft)                   | 1    |            |      |
| 23   | 212113520002 |      | Bearing Base                      | 1    |            |      |
| 24   | 910200200058 |      | Screw M8x25                       | 7    |            |      |
| 25   | 910700200004 |      | Bearing                           | 2    |            |      |
| 26   | 910600800004 |      | Flat Key                          | 1    |            |      |
| 27   | 212113520000 |      | Shaft                             | 1    |            |      |
| 28   | 910401400012 |      | Circlip (Hole)                    | 1    |            |      |
| 29   | 910200200001 |      | Screw M3x8                        | 3    |            |      |
| 30   | 212113520001 |      | Guard Cover                       | 1    |            |      |

# 01 Drive Unit (213946013501) Continuation 1

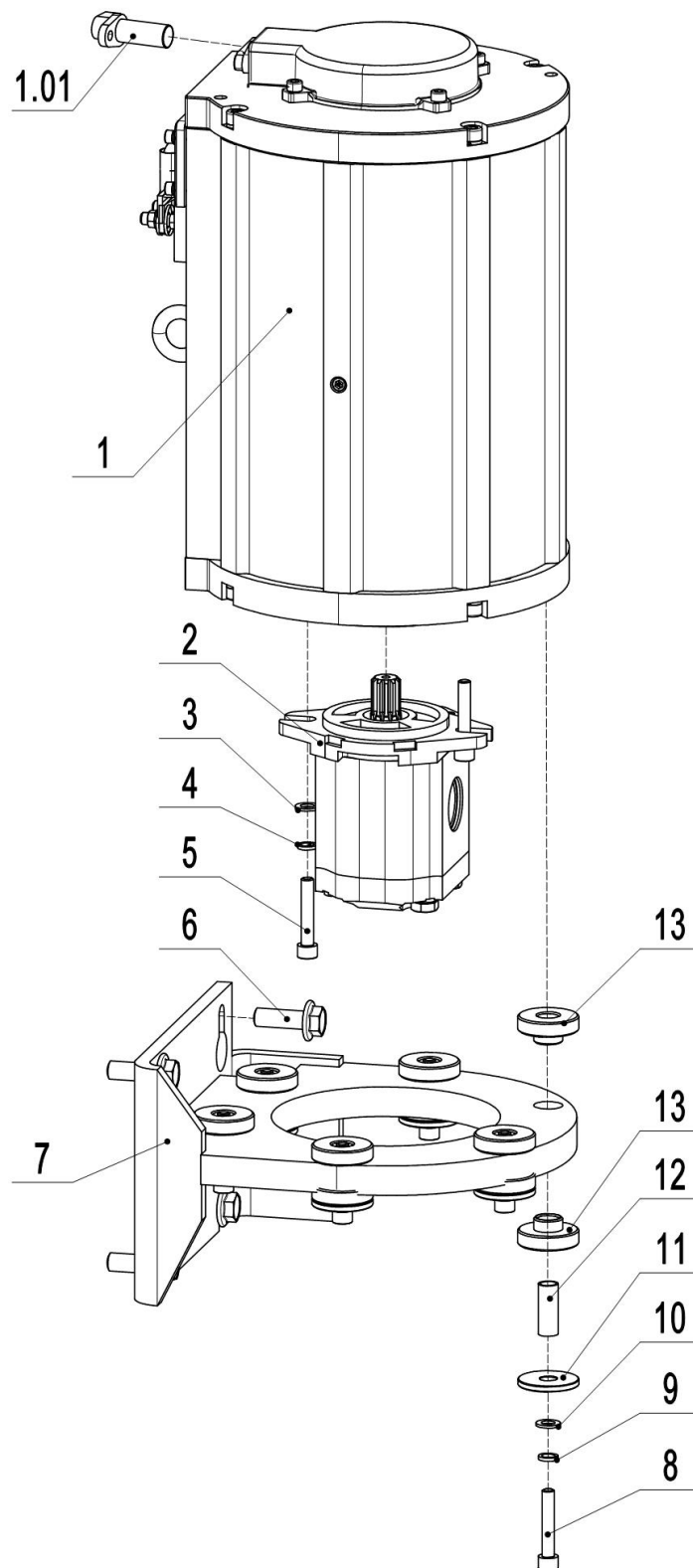


213946013501

## 01 Drive Unit (213946013501) Continuation 1

| No.   | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-------|--------------|------|------------------|------|------------|------|
| 31    | 910200200013 |      | Screw M4x10      | 4    |            |      |
| 32    | 505931520002 |      | Connector Block  | 1    |            |      |
| 33    | 921800200029 |      | Encoder          | 1    |            |      |
| 34    | 213921520066 |      | Fixed Plate      | 1    |            |      |
| 35    | 910200200057 |      | Screw M8x20      | 2    |            |      |
| 36    | 212133510010 |      | Proximity Switch | 1    |            |      |
| 37    | 505616520007 |      | Circlip (Shaft)  | 1    |            |      |
| 38    | 940998520071 |      | Gear             | 1    |            |      |
| 39    | 910400100006 |      | Flat Washer      | 5    |            |      |
| 40    | 910400500006 |      | Spring Washer    | 15   |            |      |
| 41    | 940900800007 |      | Motor            | 1    |            |      |
| 41.01 | 921800200049 |      | Encoder          | 1    |            |      |
| 42    | 910200200061 |      | Screw M8x40      | 6    |            |      |

## 02 Lifting Motor Unit (213946032501)



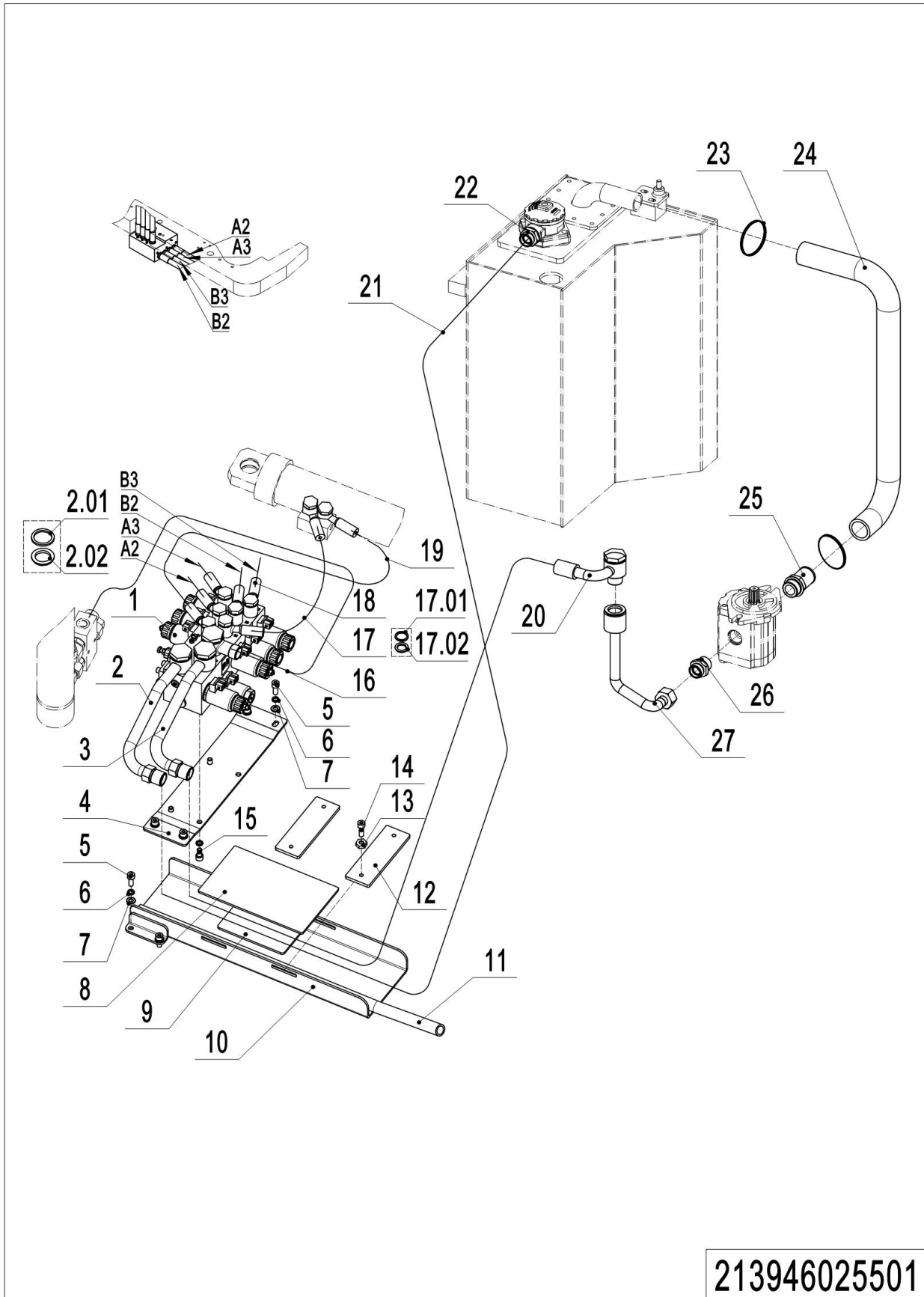
213946032501

## 03 Lifting Motor Unit (213946032501)

| No.  | Item Code    | Mark | Item Description  | Qty. | Substitute | Note |
|------|--------------|------|-------------------|------|------------|------|
| 1    | 920900100174 |      | Motor             | 1    |            |      |
| 1.01 | 921800200011 |      | Encoder           | 1    |            |      |
| 2    | 950800200028 |      | Gear Pump         | 1    |            |      |
| 3    | 910400100007 | 1    | Flat Washer       | 2    |            |      |
| 4    | 910400500007 | 1    | Spring Washer     | 2    |            |      |
| 5    | 910200200077 | 1    | Screw M10x30      | 2    |            |      |
| 6    | 910100800014 | 1    | Bolt M12x35       | 4    |            |      |
| 7    | 213932510000 |      | Mounting Base     | 1    |            |      |
| 8    | 910200200063 | 1    | Screw M8x50       | 6    |            |      |
| 9    | 910400500006 | 1    | Spring Washer     | 6    |            |      |
| 10   | 910400100006 | 1    | Flat Washer       | 6    |            |      |
| 11   | 213932520005 |      | Washer            | 6    |            |      |
| 12   | 213932520003 |      | Reinforced Sleeve | 6    |            |      |
| 13   | 255032520003 |      | Crash Pad         | 12   |            |      |

## Chapter 2: Hydraulic System

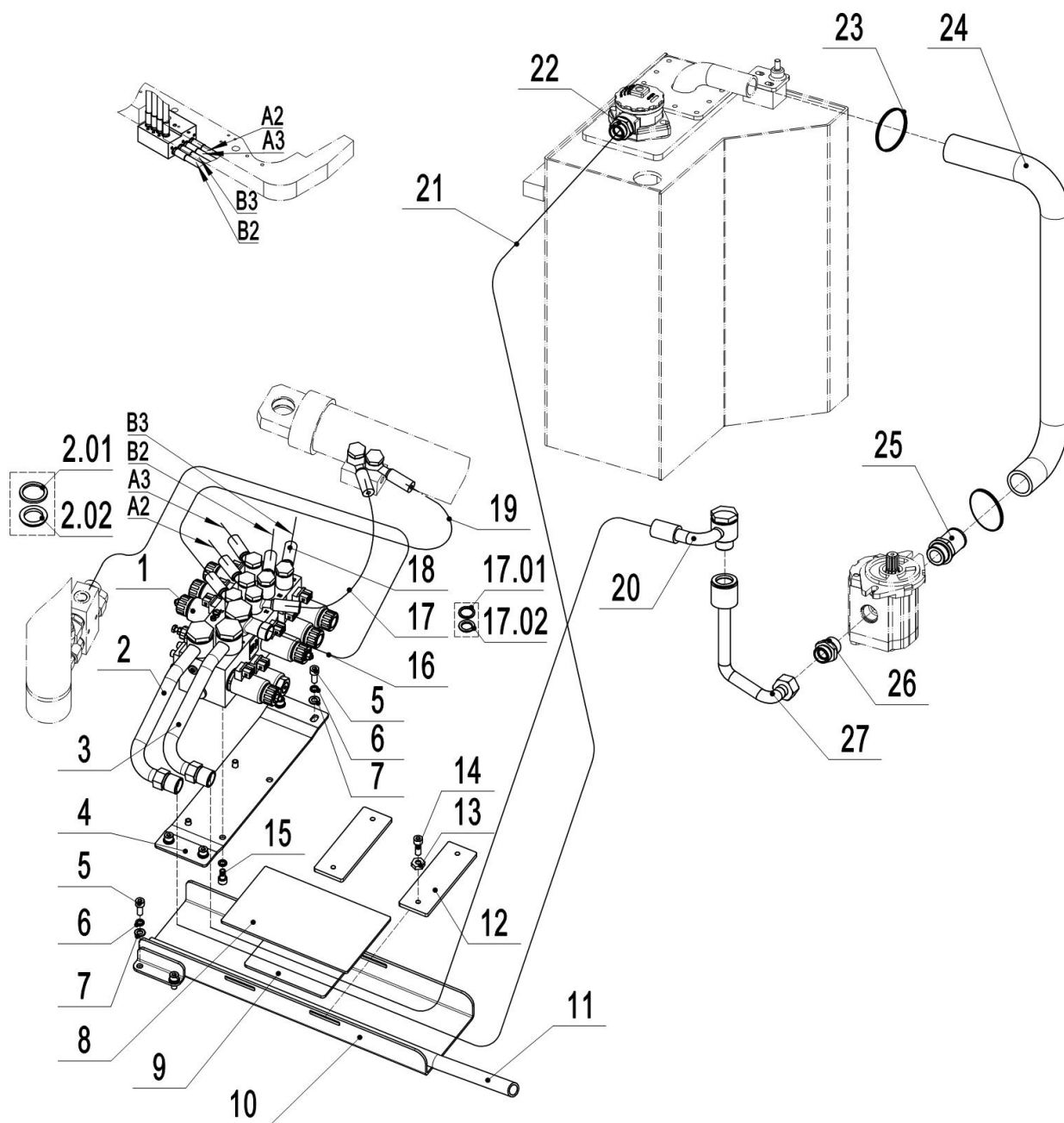
### 01 Chassis Hydraulic Unit (213946025501)



## 01 Chassis Hydraulic Unit (213946025501)

| No.   | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-------|--------------|------|------------------|------|------------|------|
| 1     | 950600100023 |      | Hydraulic Valve  | 1    |            |      |
| 2     | 212125020005 |      | Steel Pipe       | 1    |            |      |
| 2.01  | 910800900008 |      | Bonded Washer    | 4    |            |      |
| 2.02  | 910800900016 |      | Bonded Washer    | 4    |            |      |
| 3     | 212125020006 |      | Steel Pipe       | 1    |            |      |
| 4     | 212125020052 |      | Mounting Plate   | 1    |            |      |
| 5     | 910200200057 | 1    | Screw M8x20      | 8    |            |      |
| 6     | 910400500006 | 1    | Spring Washer    | 11   |            |      |
| 7     | 910400100006 | 1    | Flat Washer      | 8    |            |      |
| 8     | 212125020010 |      | Press Plate      | 1    |            |      |
| 9     | 212125020011 |      | Plate            | 1    |            |      |
| 10    | 212125010000 |      | Guide Slot       | 1    |            |      |
| 11    | 212125020014 |      | Hose             | 1    |            |      |
| 12    | 212125020030 |      | Press Plate      | 2    |            |      |
| 13    | 910300100006 | 1    | Nut              | 4    |            |      |
| 14    | 910200200058 | 1    | Screw M8x25      | 4    |            |      |
| 15    | 910100300019 | 1    | Bolt M8x12       | 3    |            |      |
| 16    | 213125020000 |      | Hose             | 1    |            |      |
| 17    | 212125020004 |      | Hose             | 1    |            |      |
| 17.01 | 910800900005 |      | Bonded Washer    | 8    |            |      |
| 17.02 | 910800900015 |      | Bonded Washer    | 8    |            |      |
| 18    | 212125020015 |      | Hose             | 4    |            | 4500 |
| 18    | 212125020026 |      | Hose             | 4    |            | 5000 |
| 18    | 212125020027 |      | Hose             | 4    |            | 5500 |
| 18    | 212125020018 |      | Hose             | 4    |            | 6000 |
| 18    | 212125020019 |      | Hose             | 4    |            | 6500 |
| 18    | 212125020020 |      | Hose             | 4    |            | 7000 |
| 18    | 212125020021 |      | Hose             | 4    |            | 7500 |
| 18    | 212125020022 |      | Hose             | 4    |            | 8000 |
| 18    | 212125020023 |      | Hose             | 4    |            | 8500 |
| 18    | 212125020024 |      | Hose             | 4    |            | 9000 |
| 18    | 212125020025 |      | Hose             | 4    |            | 9500 |
| 19    | 212125020016 |      | Hose             | 1    |            |      |
| 20    | 213925520002 |      | Hose             | 1    |            |      |



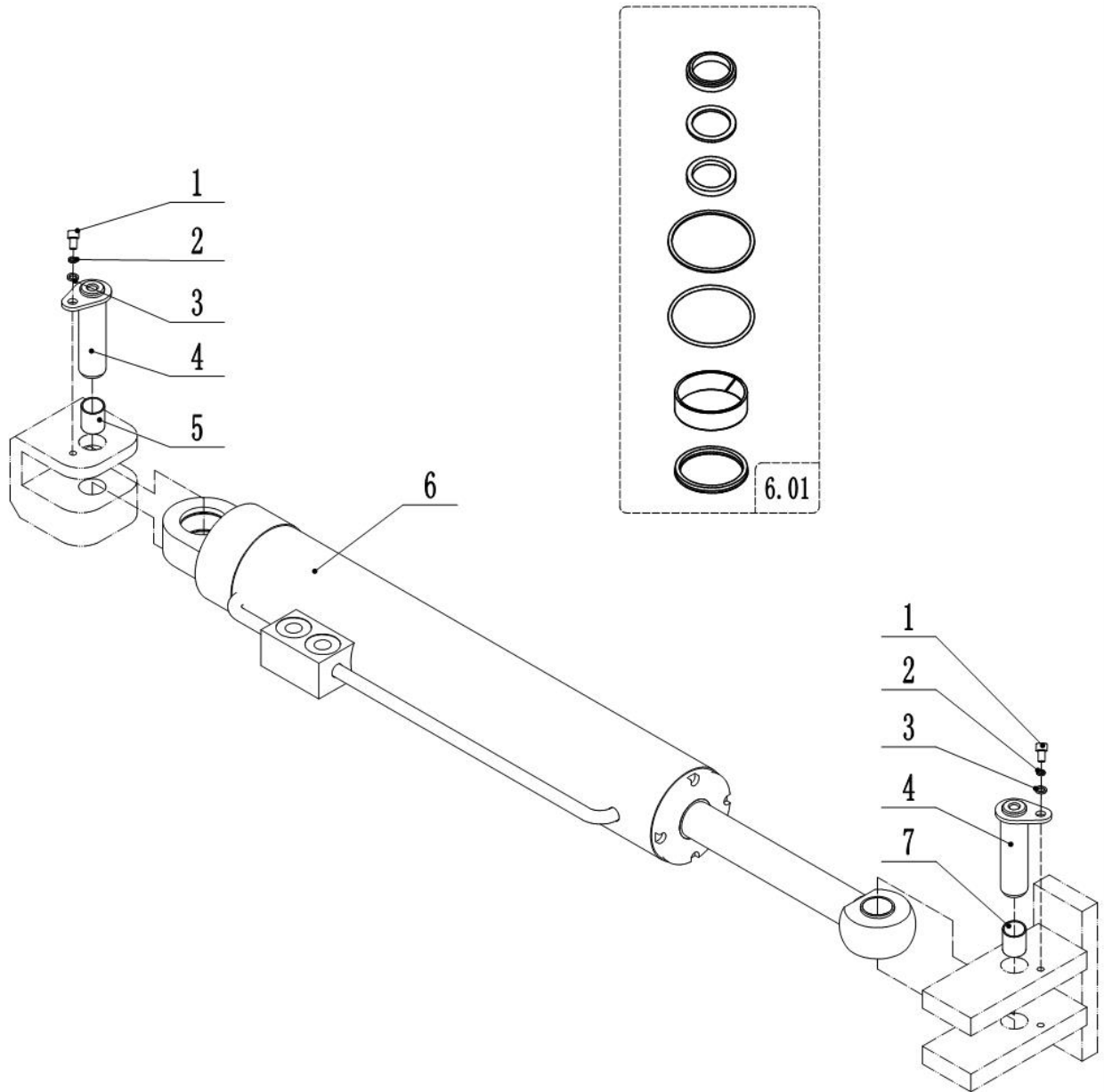
**01 Chassis Hydraulic Unit (213946025501) Continuation 1**

213946025501

## 01 Chassis Hydraulic Unit (213946025501) Continuation 1

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 21  | 213925520001 |      | Hose             | 1    |            |      |
| 22  | 950400300016 |      | Adapter          | 1    |            |      |
| 23  | 911000600006 |      | Hose Clamp       | 2    |            |      |
| 24  | 213925520005 |      | Suction Pipe     | 1    |            |      |
| 25  | 213925520006 |      | Connectors       | 1    |            |      |
| 26  | 950400300034 |      | Connectors       | 1    |            |      |
| 27  | 213925520003 |      | Steel Pipe       | 1    |            |      |

## 02 Reach Cylinder (213146020001)

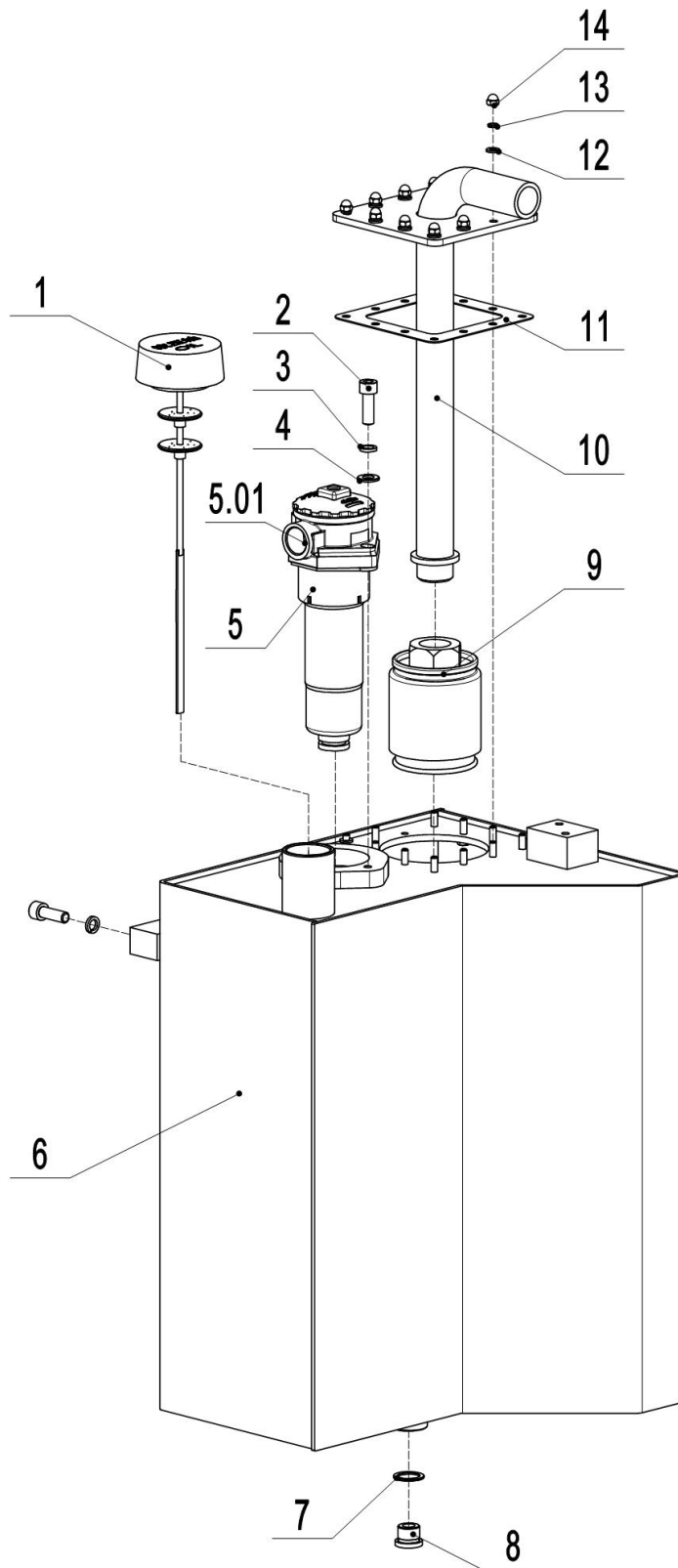


213146020001

## 02 Reach Cylinder (213146020001)

| No.  | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|------|--------------|------|------------------|------|------------|------|
| 1    | 910200200034 | 1    | Screw M6x14      | 2    |            |      |
| 2    | 910400500005 | 1    | Spring Washer    | 2    |            |      |
| 3    | 910400100005 | 1    | Flat Washer      | 2    |            |      |
| 4    | 212120010001 |      | Trunnion         | 2    |            |      |
| 5    | 212120020002 |      | Bushing          | 1    |            |      |
| 6    | 213120010000 |      | Cylinder         | 1    |            |      |
| 6.01 | 212198510004 |      | Seal Kit         | 1    |            |      |
| 7    | 212120020003 |      | Bushing          | 1    |            |      |

### 03 Oil Tank (213946019001)

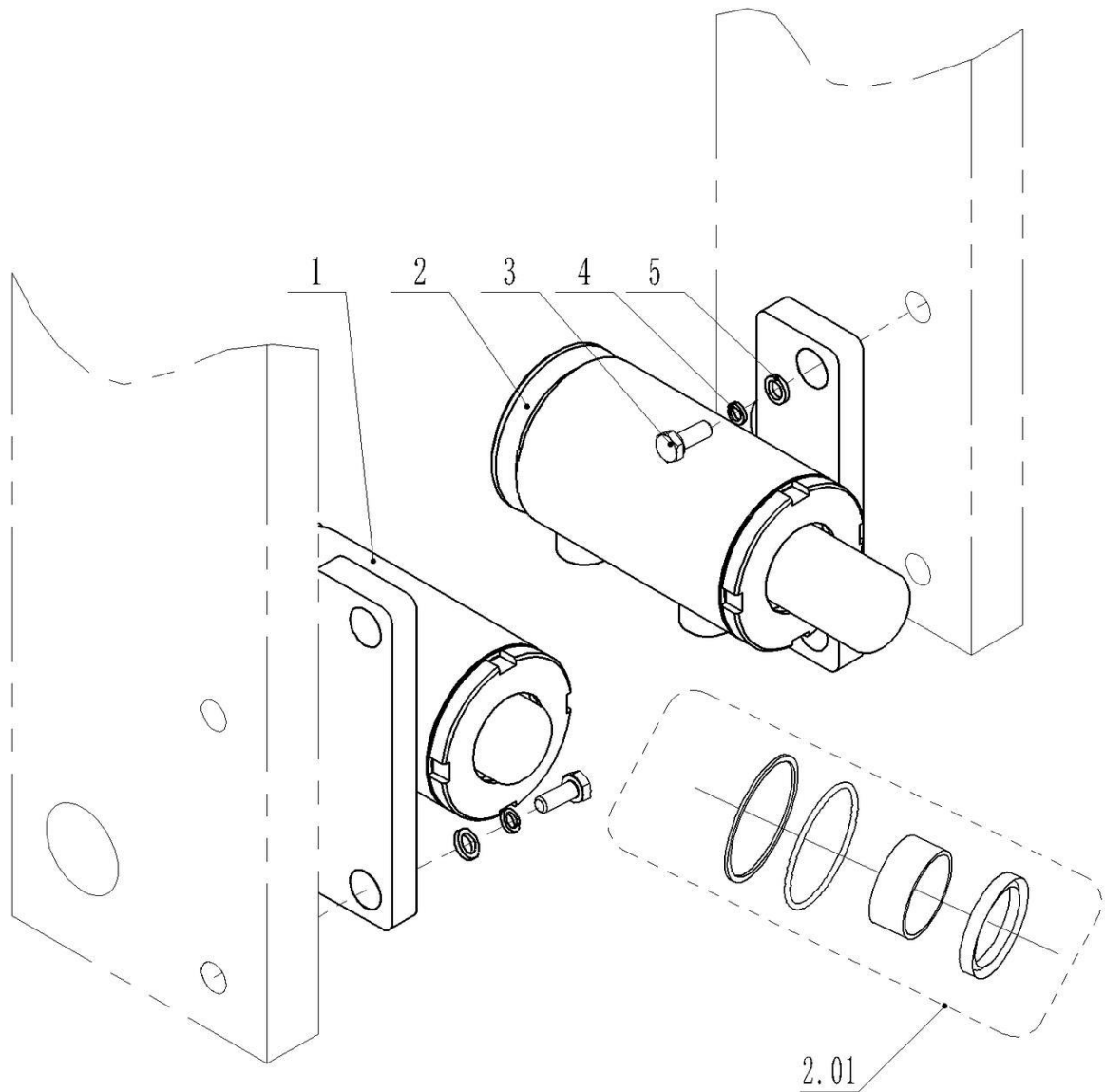


213946019001

## 03 Oil Tank (213946019001)

| No.  | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|------|--------------|------|------------------|------|------------|------|
| 1    | 212119020019 |      | Tank Cover       | 1    |            |      |
| 2    | 910200200077 | 1    | Screw M10x30     | 6    |            |      |
| 3    | 910400500007 | 1    | Spring Washer    | 6    |            |      |
| 4    | 910400100007 | 1    | Flat Washer      | 2    |            |      |
| 5    | 951000300005 |      | Filter           | 1    |            |      |
| 5.01 | 212198520055 |      | Filter Element   | 1    |            |      |
| 6    | 213919010000 |      | Oil Tank         | 1    |            |      |
| 7    | 910800900001 |      | Bonded Washer    | 1    |            |      |
| 8    | 255019020015 |      | Filler Plug      | 1    |            |      |
| 9    | 951000400001 |      | Filter           | 1    |            |      |
| 10   | 213919010001 |      | Close Plate      | 1    |            |      |
| 11   | 212119020000 |      | Sealing Gasket   | 1    |            |      |
| 12   | 910400100005 | 1    | Flat Washer      | 12   |            |      |
| 13   | 910400500005 | 1    | Spring Washer    | 12   |            |      |
| 14   | 910301000004 | 1    | Nut              | 12   |            |      |

# **04 Tilt Cylinder (212146020501)**



212146020501

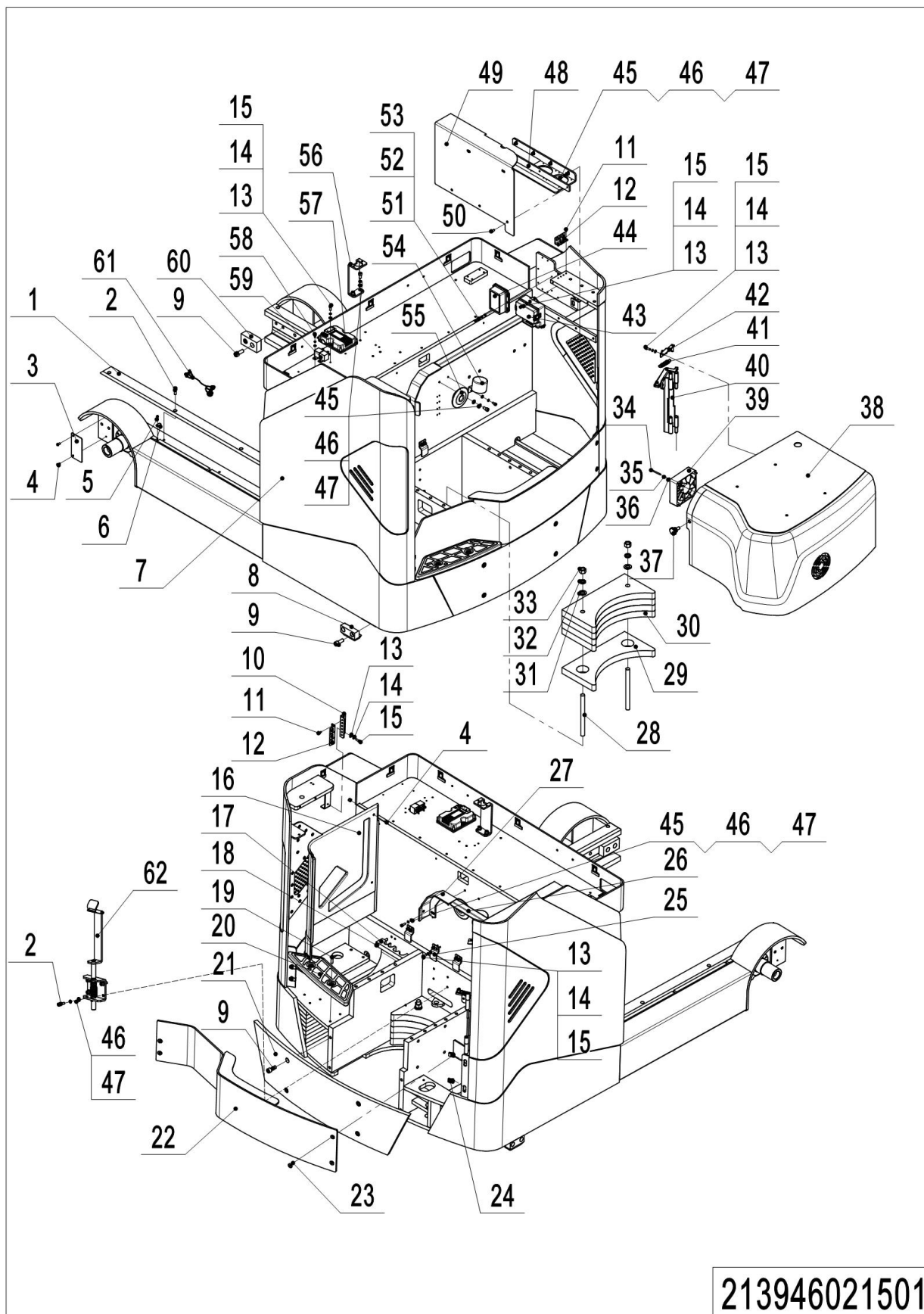
**04 Tilt Cylinder (212146020501)**

| 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 | 1    | Bolt M14x35      | 4    |            |      |
| 4    | 910400500009 | 1    | Spring Washer    | 4    |            |      |
| 5    | 910400100009 | 1    | Flat Washer      | 4    |            |      |



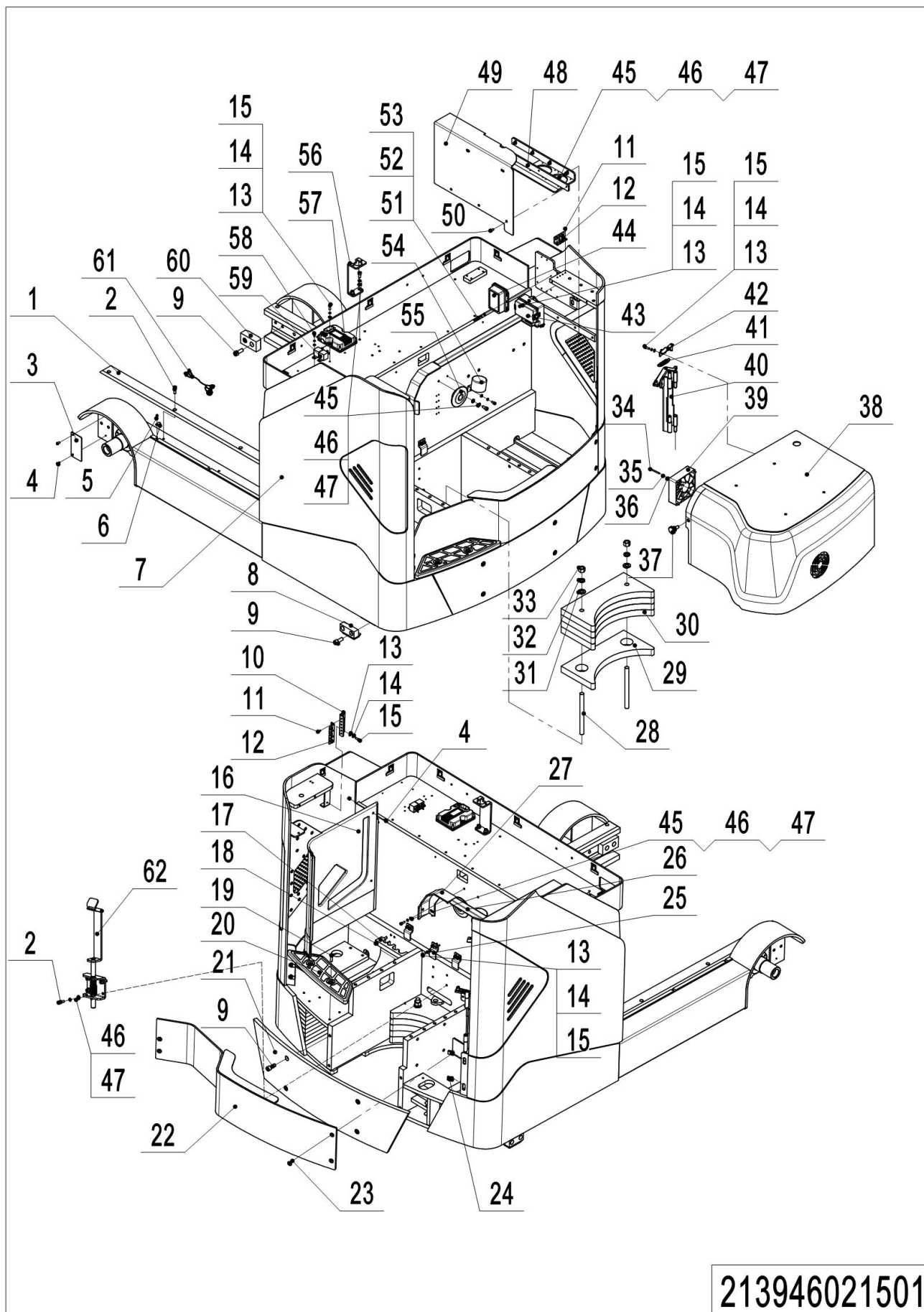
## Chapter 3: Truck Structure

### 01 Chassis (213946021501)



## 01 Chassis (213946021501)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 213121520000 |      | Guide Rail       | 2    |            |      |
| 2   | 910200200058 | 1    | Screw M8x25      | 8    |            |      |
| 3   | 213321540028 |      | Stop Block       | 2    |            |      |
| 4   | 910200300018 | 1    | Screw M6x16      | 6    |            |      |
| 5   | 910200300011 | 1    | Screw M5x10      | 8    |            |      |
| 6   | 212121520075 |      | Press Plate      | 8    |            |      |
| 7   | 213921510000 |      | Chassis          | 1    |            |      |
| 8   | 212121520068 |      | Support Leg      | 2    |            |      |
| 9   | 910200200078 | 1    | Screw M10x35     | 12   |            |      |
| 10  | 214521520086 |      | Fixed Plate      | 1    |            |      |
| 11  | 910200200012 | 1    | Screw M4x8       | 10   |            |      |
| 12  | 921300300003 |      | Fixed Bracket    | 5    |            |      |
| 13  | 910400100005 | 1    | Flat Washer      | 11   |            |      |
| 14  | 910400500005 | 1    | Spring Washer    | 11   |            |      |
| 15  | 910200200035 | 1    | Screw M6x16      | 11   |            |      |
| 16  | 212910021008 |      | Cover            | 1    |            |      |
| 17  | 212121520064 |      | Fixed Plate      | 1    |            |      |
| 18  | 910200200065 | 1    | Screw M8x60      | 2    |            |      |
| 19  | 941100100012 | 1    | Screw M8x20      | 2    |            |      |
| 20  | 213918020026 |      | Pad              | 1    |            |      |
| 21  | 212121520046 |      | Close Plate      | 1    |            |      |
| 22  | 213921510005 |      | Cover Plate      | 1    |            |      |
| 23  | 910200400025 |      | Screw M8x20      | 4    |            |      |
| 24  | 940400400002 |      | Cage Nut         | 4    |            |      |
| 25  | 213921520065 |      | Fixed Plate      | 3    |            |      |
| 26  | 213921520039 |      | Support Board    | 1    |            |      |
| 27  | 213921510003 |      | Fixed Base       | 1    |            |      |
| 28  | 213921520059 |      | Threaded Rod     | 2    |            |      |
| 29  | 213921520057 |      | Counter Weight   | 1    |            |      |
| 30  | 213921520058 |      | Counter Weight   | 3    |            |      |

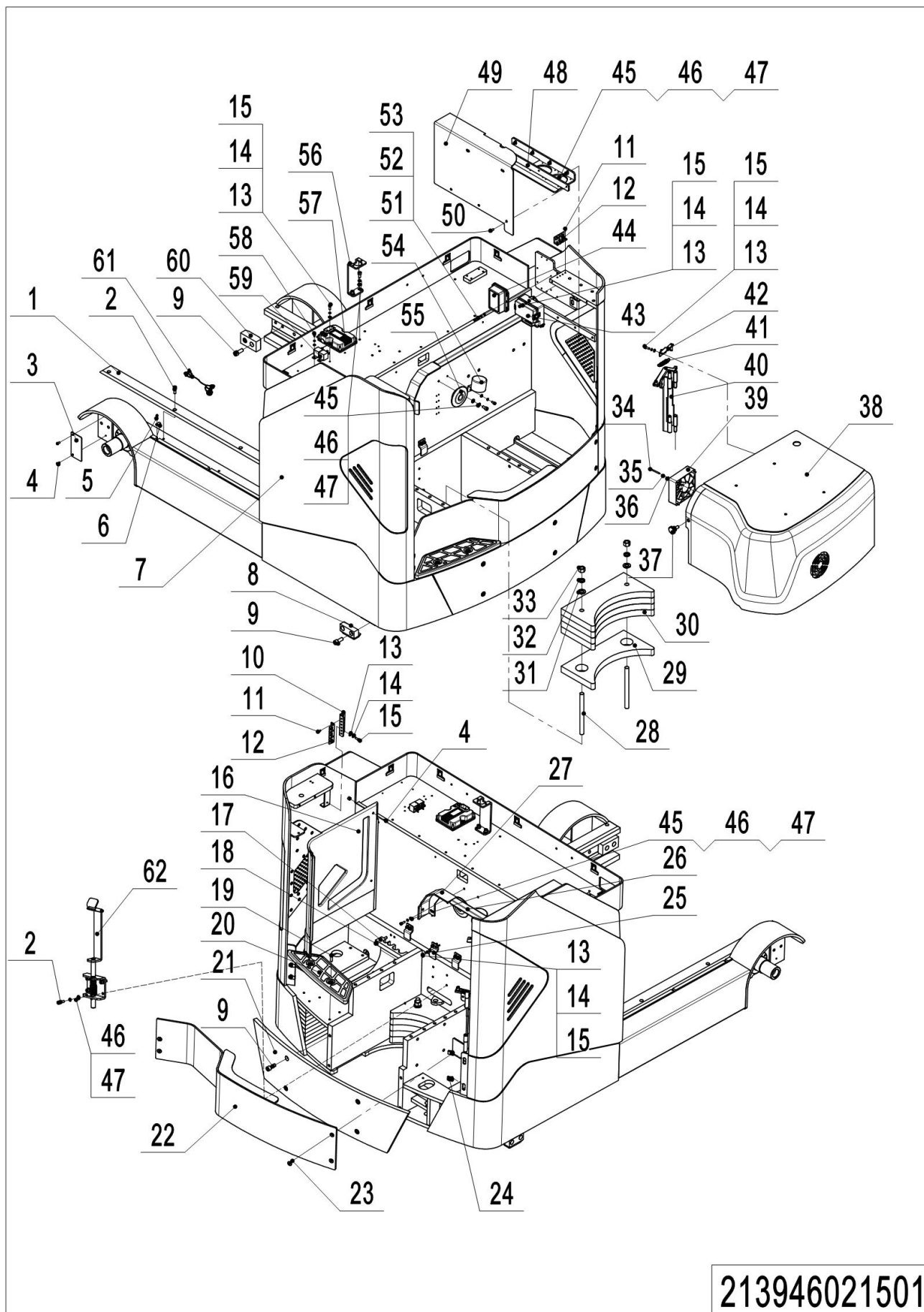
**01 Chassis (213946021501) Continuation 1**

213946021501

## 01 Chassis (213946021501) Continuation 1

| No. | Item Code    | Mark | Item Description    | Qty. | Substitute | Note |
|-----|--------------|------|---------------------|------|------------|------|
| 31  | 910400100010 | 1    | Flat Washer         | 2    |            |      |
| 32  | 910400500010 | 1    | Spring Washer       | 2    |            |      |
| 33  | 910300100010 | 1    | Nut                 | 2    |            |      |
| 34  | 910200500032 | 1    | Screw M4x50         | 4    |            |      |
| 35  | 910400500003 | 1    | Spring Washer       | 4    |            |      |
| 36  | 910400100003 | 1    | Flat Washer         | 4    |            |      |
| 37  | 212110021001 |      | Screw M10x20        | 1    |            |      |
| 38  | 213921510004 |      | Cover               | 1    |            |      |
| 39  | 213933010047 |      | Fan                 | 1    |            |      |
| 40  | 213921510012 |      | Hinge               | 1    |            |      |
| 41  | 213012520006 |      | Tension Spring      | 1    |            |      |
| 42  | 213921510013 |      | Tension Spring Base | 1    |            |      |
| 43  | 921400100201 |      | Control Box         | 1    |            |      |
| 44  | 921900100024 |      | Converter           | 1    |            |      |
| 45  | 910200200055 | 1    | Screw M8x16         | 11   |            |      |
| 46  | 910400500006 | 1    | Spring Washer       | 17   |            |      |
| 47  | 910400100006 | 1    | Flat Washer         | 17   |            |      |
| 48  | 213921510002 |      | Fixed Base          | 1    |            |      |
| 49  | 213921510001 |      | Cover               | 1    |            |      |
| 50  | 941100100009 | 1    | Screw M6x12         | 5    |            |      |
| 51  | 910200200023 | 1    | Screw M5x16         | 2    |            |      |
| 52  | 910400500004 | 1    | Spring Washer       | 4    |            |      |
| 53  | 910400100004 | 1    | Washer              | 4    |            |      |
| 54  | 920500100017 |      | Buzzer              | 1    |            |      |
| 55  | 920500100001 |      | Horn                | 1    |            |      |
| 56  | 213921520033 |      | Mounting Plate      | 1    |            |      |
| 57  | 921400100113 |      | Controller          | 1    |            |      |
| 58  | 910200200020 | 1    | Screw M5x8          | 2    |            |      |
| 59  | 920800100011 |      | Relay               | 2    |            |      |
| 60  | 216521520001 |      | Crash Pad           | 2    |            |      |

## 01 Chassis (213946021501) Continuation 2



213946021501

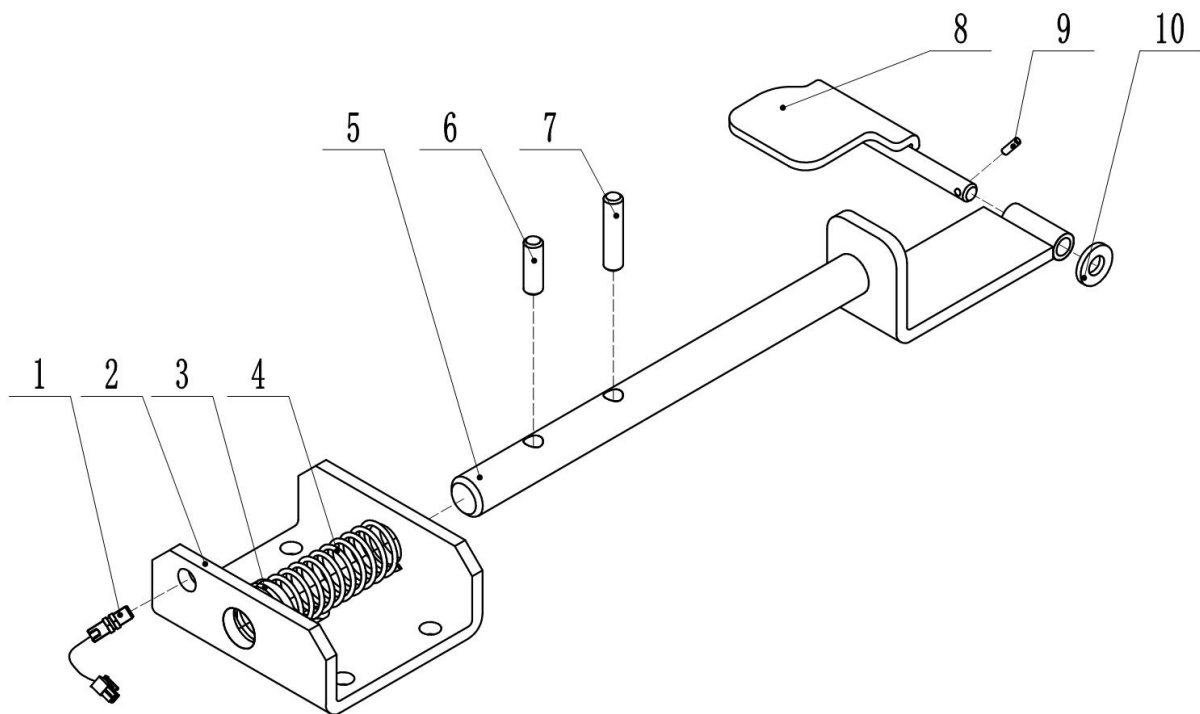
Print Number:

Print Date:

01 Chassis (213946021501) Continuation 2

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note           |
|-----|--------------|------|------------------|------|------------|----------------|
| 61  | 213933010010 |      | Wire Harness     | 1    |            |                |
| 62  | 213921501002 |      | Handle           | 1    |            | 见 213946021502 |

## 02 Handle Assembly (213946021502)



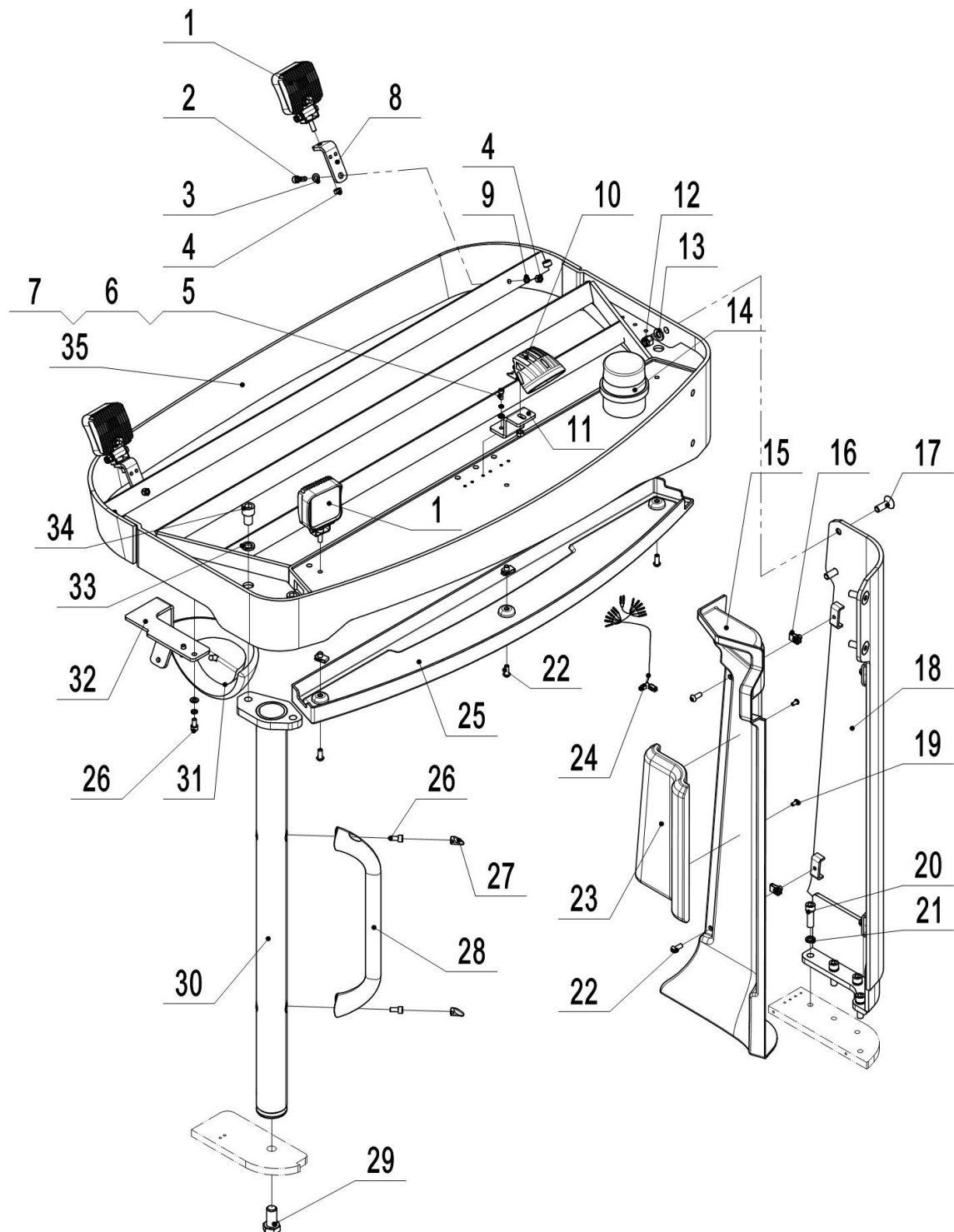
213946021502

## 02 Handle Assembly (213946021502)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 212133510023 |      | Proximity Switch | 1    |            | 8mm  |
| 2   | 212121520050 |      | Fixed Plate      | 1    |            |      |
| 3   | 212121520052 |      | Washer           | 1    |            |      |
| 4   | 212121520051 |      | Spring           | 1    |            |      |
| 5   | 213921510006 |      | Shaft            | 1    |            |      |
| 6   | 910600400044 | 1    | Spring Pin 8x26  | 1    |            |      |
| 7   | 910600400046 | 1    | Spring Pin 8x40  | 1    |            |      |
| 8   | 212121510003 |      | Bolt             | 1    |            |      |
| 9   | 910600400002 | 1    | Spring Pin 3x12  | 1    |            |      |
| 10  | 910400100006 | 1    | Flat Washer      | 1    |            |      |



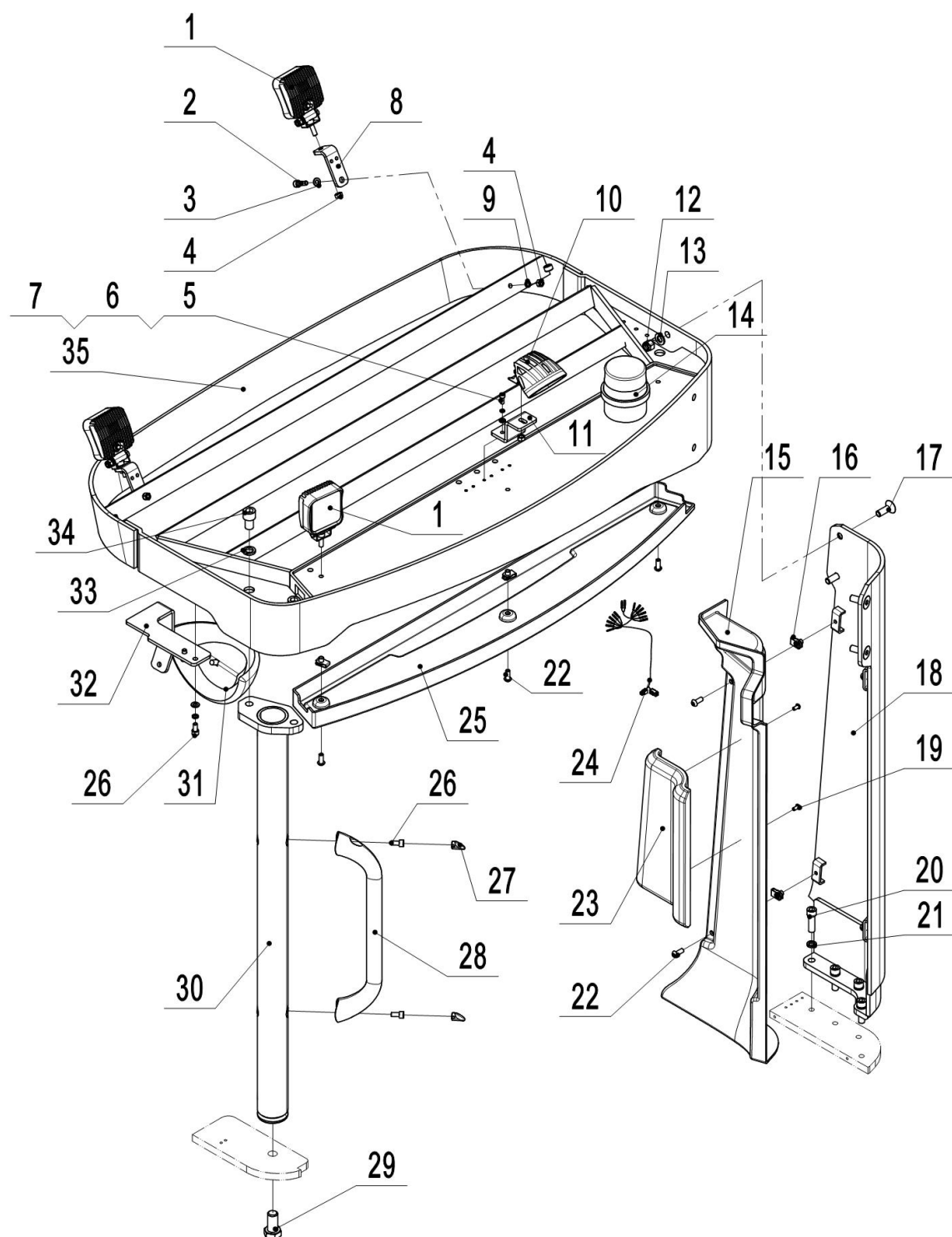
### 03 Overhead Guard (213946022001)



213946022001

## 03 Overhead Guard (213946022001)

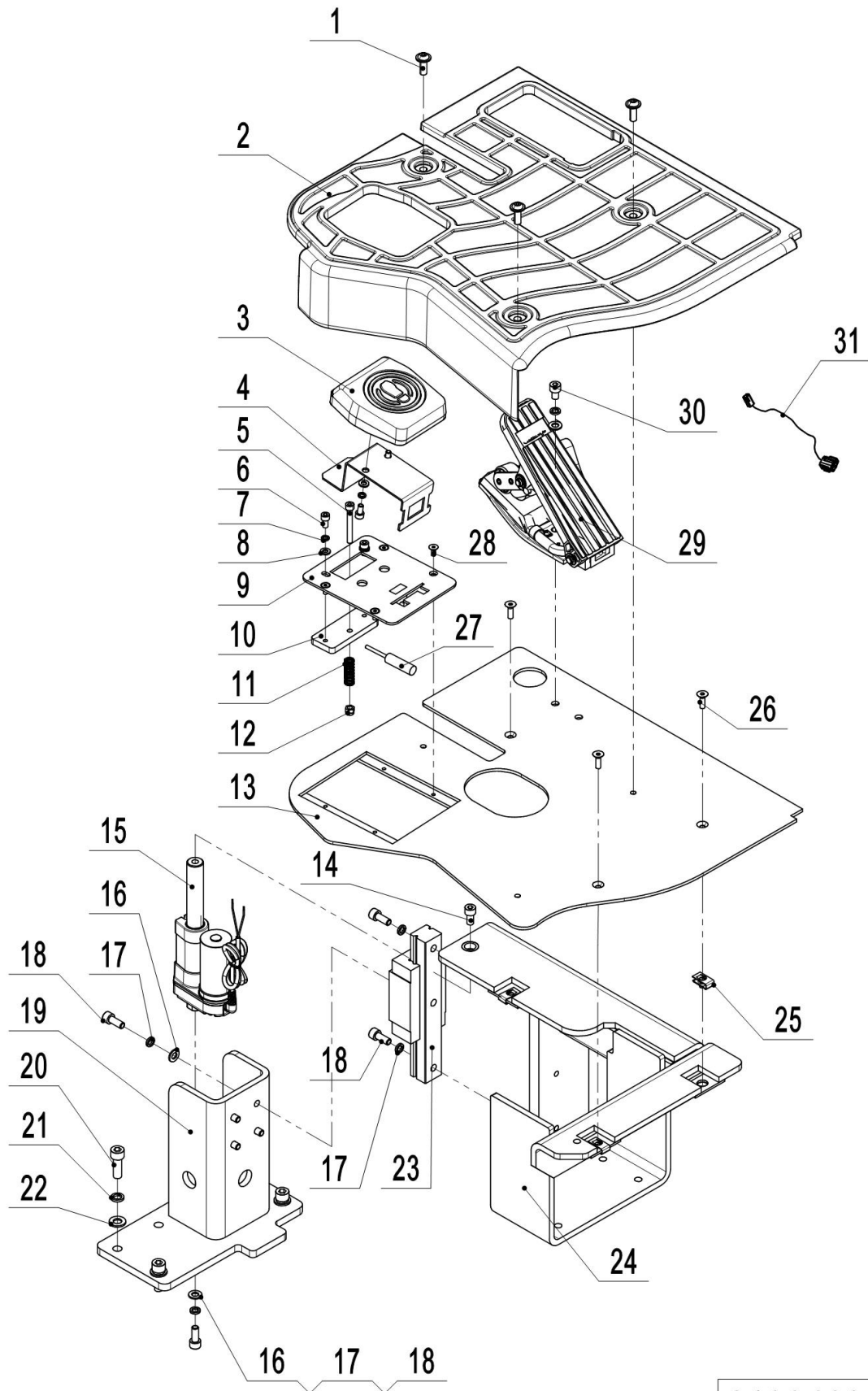
| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note               |
|-----|--------------|------|------------------|------|------------|--------------------|
| 1   | 922000100058 |      | Lamp             | 3    |            | Headlight          |
| 2   | 910200200058 | 1    | Screw M8x25      | 2    |            |                    |
| 3   | 910400100006 | 1    | Flat Washer      | 4    |            |                    |
| 4   | 910300100006 | 1    | Nut              | 5    |            |                    |
| 5   | 910200200035 | 1    | Screw M6x16      | 2    |            |                    |
| 6   | 910400500005 | 1    | Spring Washer    | 2    |            |                    |
| 7   | 910400100005 | 1    | Flat Washer      | 2    |            |                    |
| 8   | 212122020023 |      | Mounting Plate   | 2    |            |                    |
| 9   | 910400500006 | 1    | Spring Washer    | 4    |            |                    |
| 10  | 922000100067 |      | Lamp             | 1    |            | Blue Light Lamp    |
| 11  | 212322040001 |      | Mounting Plate   | 1    |            |                    |
| 12  | 910300500006 | 1    | Nut              | 4    |            |                    |
| 13  | 910400100008 | 1    | Flat Washer      | 4    |            |                    |
| 14  | 922000100059 |      | Lamp             | 1    |            | Warning Light Lamp |
| 15  | 212910021005 |      | Cover            | 1    |            |                    |
| 16  | 940400400002 |      | Cage Nut         | 7    |            |                    |
| 17  | 910200400062 | 1    | Screw M12x35     | 4    |            |                    |
| 18  | 213922010001 |      | Rod              | 1    |            |                    |
| 19  | 941100100009 | 1    | Screw M6x12      | 2    |            |                    |
| 20  | 910200300037 | 1    | Screw M12x40     | 4    |            |                    |
| 21  | 910400500008 | 1    | Spring Washer    | 4    |            |                    |
| 22  | 941100100012 | 1    | Screw M8x20      | 7    |            |                    |
| 23  | 212910021007 |      | Pad              | 1    |            |                    |
| 24  | 213933010037 |      | Wire Harness     | 1    |            |                    |
| 25  | 212910021006 |      | Cover            | 1    |            |                    |
| 26  | 910200200055 | 1    | Screw M8x16      | 4    |            |                    |
| 27  | 212922021001 |      | Plug             | 1    |            |                    |
| 28  | 212922021000 |      | Handrail         | 1    |            |                    |
| 29  | 910100300080 | 1    | Bolt M18x40      | 1    |            |                    |
| 30  | 213922010002 |      | Rod              | 1    |            |                    |

**03 Overhead Guard (213946022001) Continuation 1**

213946022001

## 03 Overhead Guard (213946022001) Continuation 1

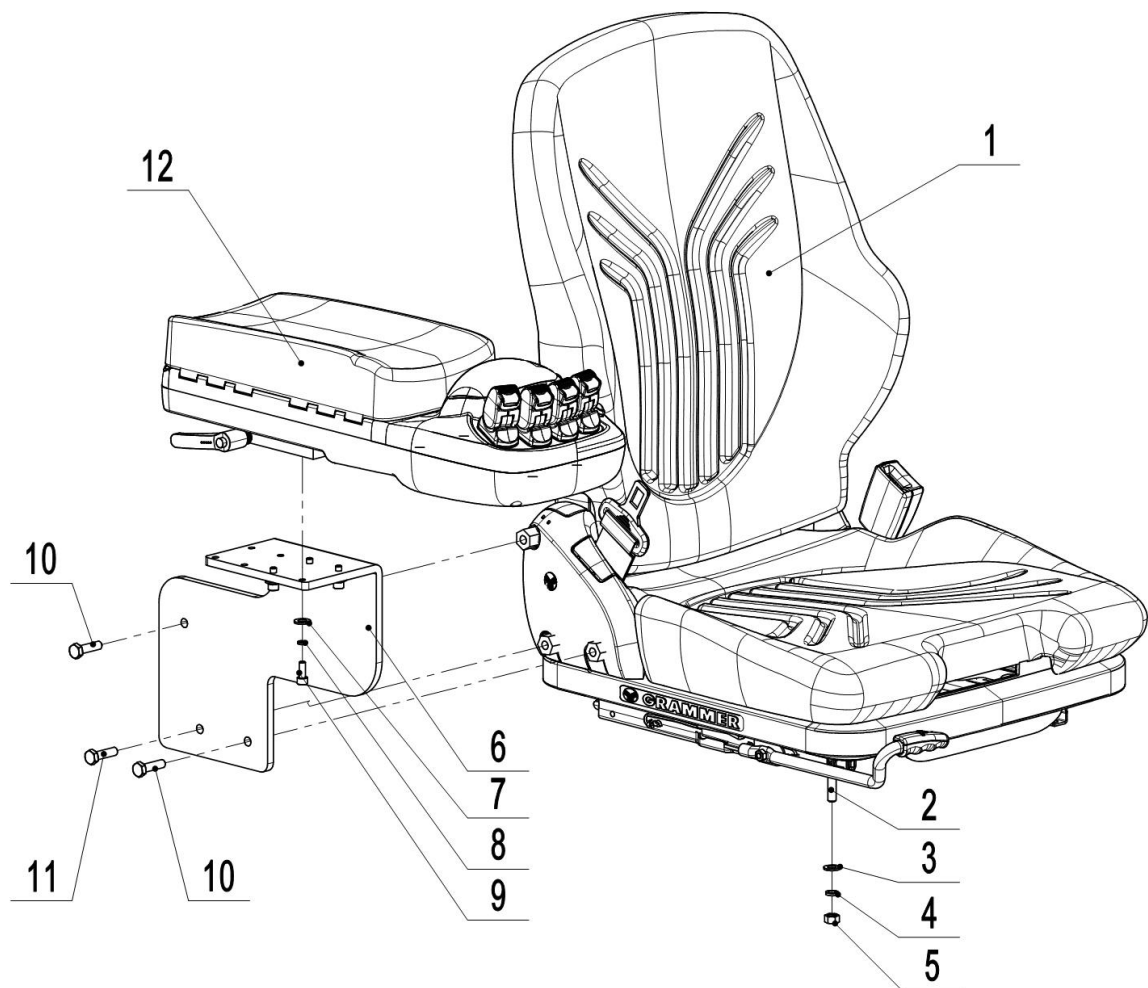
| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 31  | 251149520001 |      | Rearview Mirror  | 1    |            |      |
| 32  | 213922020017 |      | Bracket          | 1    |            |      |
| 33  | 910400500010 | 1    | Spring Washer    | 2    |            |      |
| 34  | 910200200118 | 1    | Screw M16x25     | 2    |            |      |
| 35  | 213922010000 |      | Overhead Guard   | 1    |            |      |

**04 Platform (213946018001)****213946018001**

## 04 Platform (213946018001)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 941100100012 | 1    | Screw M8x20      | 3    |            |      |
| 2   | 213918020025 |      | Pad              | 1    |            |      |
| 3   | 213918020027 |      | Pad              | 1    |            |      |
| 4   | 213918010004 |      | Pedal            | 1    |            |      |
| 5   | 910200200043 | 1    | Screw M6x50      | 1    |            |      |
| 6   | 910200200033 | 1    | Screw M6x12      | 4    |            |      |
| 7   | 910400500005 | 1    | Spring Washer    | 4    |            |      |
| 8   | 910400100005 | 1    | Flat Washer      | 4    |            |      |
| 9   | 213918010005 |      | Baseplate        | 1    |            |      |
| 10  | 213918020016 |      | Mounting Plate   | 1    |            |      |
| 11  | 213918020018 |      | Spring           | 1    |            |      |
| 12  | 910300500003 | 1    | Nut              | 1    |            |      |
| 13  | 213918010003 |      | Pedal            | 1    |            |      |
| 14  | 910200200055 | 1    | Screw M8x16      | 1    |            |      |
| 15  | 213933010033 |      | Push Rod         | 1    |            |      |
| 16  | 910400100006 | 1    | Flat Washer      | 9    |            |      |
| 17  | 910400500006 | 1    | Spring Washer    | 11   |            |      |
| 18  | 910200200057 | 1    | Screw M8x20      | 9    |            |      |
| 19  | 213918010001 |      | Base             | 1    |            |      |
| 20  | 910200200077 | 1    | Screw M10x30     | 4    |            |      |
| 21  | 910400500007 | 1    | Spring Washer    | 4    |            |      |
| 22  | 910400100007 | 1    | Flat Washer      | 4    |            |      |
| 23  | 213918010006 |      | Guide Rail       | 1    |            |      |
| 24  | 213918010002 |      | Floating Frame   | 1    |            |      |
| 25  | 940400400001 |      | Cage Nut         | 3    |            |      |
| 26  | 910200400018 | 1    | Screw M6x20      | 3    |            |      |
| 27  | 212133510008 |      | Proximity Switch | 1    |            |      |
| 28  | 910200400011 | 1    | Screw M5x12      | 4    |            |      |
| 29  | 921700100035 |      | Accelerator      | 1    |            |      |
| 30  | 910200200053 | 1    | Screw M8x12      | 2    |            |      |
| 31  | 213933010039 |      | Wire Harness     | 1    |            |      |

# 05 Seat (213946037501)



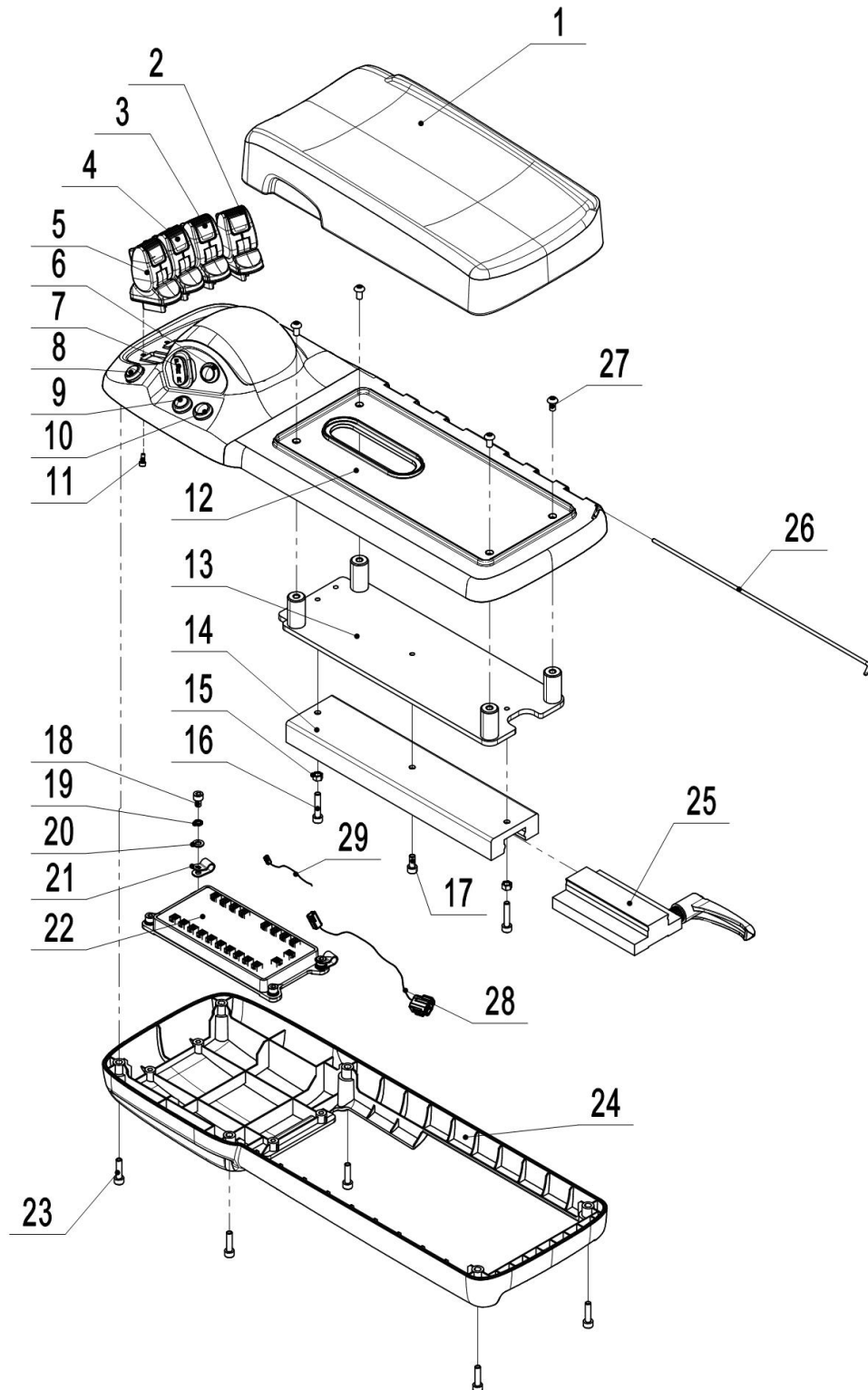
213946037501

## 05 Seat (213946037501)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note             |
|-----|--------------|------|------------------|------|------------|------------------|
| 1   | 212137510005 |      | Seat             | 1    |            |                  |
| 2   | 910100100019 | 1    | Bolt M8x20       | 4    |            |                  |
| 3   | 910400100006 | 1    | Flat Washer      | 4    |            |                  |
| 4   | 910400500006 | 1    | Spring Washer    | 4    |            |                  |
| 5   | 910300100006 | 1    | Nut              | 4    |            |                  |
| 6   | 213937520003 |      | Bracket          | 1    |            |                  |
| 7   | 910200200035 | 1    | Screw M6x16      | 4    |            |                  |
| 8   | 910400500005 | 1    | Spring Washer    | 4    |            |                  |
| 9   | 910400100005 | 1    | Flat Washer      | 4    |            |                  |
| 10  | 910100100020 | 1    | Bolt M8x30       | 2    |            |                  |
| 11  | 910101800001 |      | Bolt             | 1    |            |                  |
| 12  | 212910010001 |      | Handrail         | 1    |            | See 213946010002 |



## 06 Integrated Control Console (213946010002)



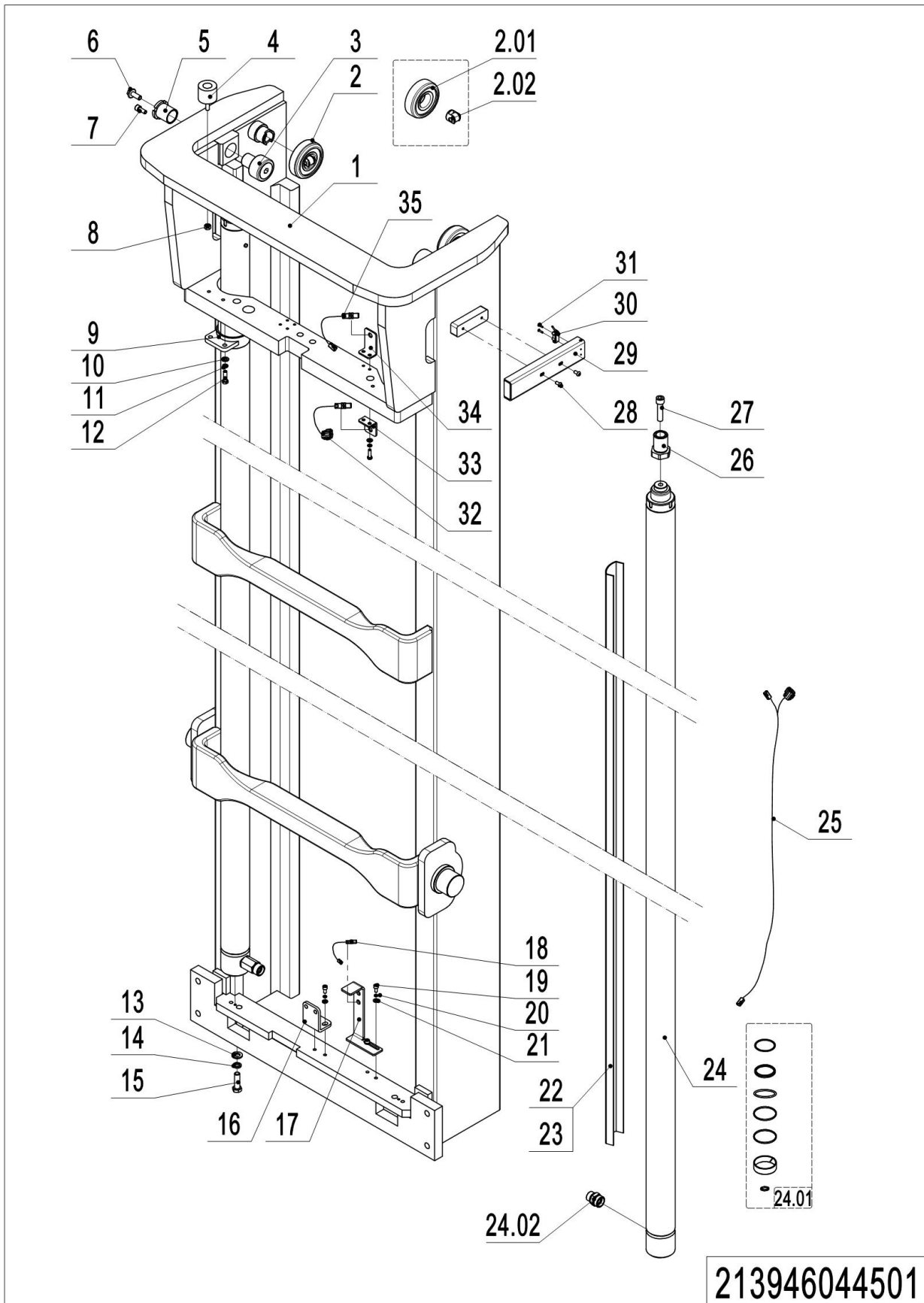
213946010002

## 06 Integrated Control Console (213946010002)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 212910020004 |      | Pad              | 1    |            |      |
| 2   | 213933010052 |      | Switch           | 1    |            |      |
| 3   | 213933010051 |      | Switch           | 1    |            |      |
| 4   | 213933010050 |      | Switch           | 1    |            |      |
| 5   | 213933010049 |      | Switch           | 1    |            |      |
| 6   | 212133510027 |      | Switch           | 1    |            |      |
| 7   | 212133510025 |      | Switch           | 1    |            |      |
| 8   | 212133510026 |      | Switch           | 1    |            |      |
| 9   | 212933510000 |      | Switch           | 1    |            |      |
| 10  | 212933510001 |      | Switch           | 1    |            |      |
| 11  | 910200200001 | 1    | Screw M3x8       | 8    |            |      |
| 12  | 212910020002 |      | Cover            | 1    |            |      |
| 13  | 212910010002 |      | Bracket          | 1    |            |      |
| 14  | 212910020010 |      | Guide Rail       | 1    |            |      |
| 15  | 910300100004 | 1    | Nut              | 2    |            |      |
| 16  | 910200200025 | 1    | Screw M5x25      | 2    |            |      |
| 17  | 910200200022 | 1    | Screw M5x12      | 1    |            |      |
| 18  | 910200200020 | 1    | Screw M5x8       | 4    |            |      |
| 19  | 910400500004 | 11   | Spring Washer    | 4    |            |      |
| 20  | 910400100004 |      | Washer           | 4    |            |      |
| 21  | 921300200001 |      | Cable Clamp      | 2    |            |      |
| 22  | 921200100092 |      | Module           | 1    |            |      |
| 23  | 910200200024 | 1    | Screw M5x20      | 6    |            |      |
| 24  | 212910020003 |      | Cover            | 1    |            |      |
| 25  | 212910020011 |      | Slider           | 1    |            |      |
| 26  | 212910020005 |      | Shaft            | 1    |            |      |
| 27  | 910200300011 | 1    | Screw M5x10      | 4    |            |      |
| 28  | 213933010036 |      | Wire Harness     | 1    |            |      |
| 29  | 213933010044 |      | Wire Harness     | 1    |            |      |

## Chapter 4: Mast Structure

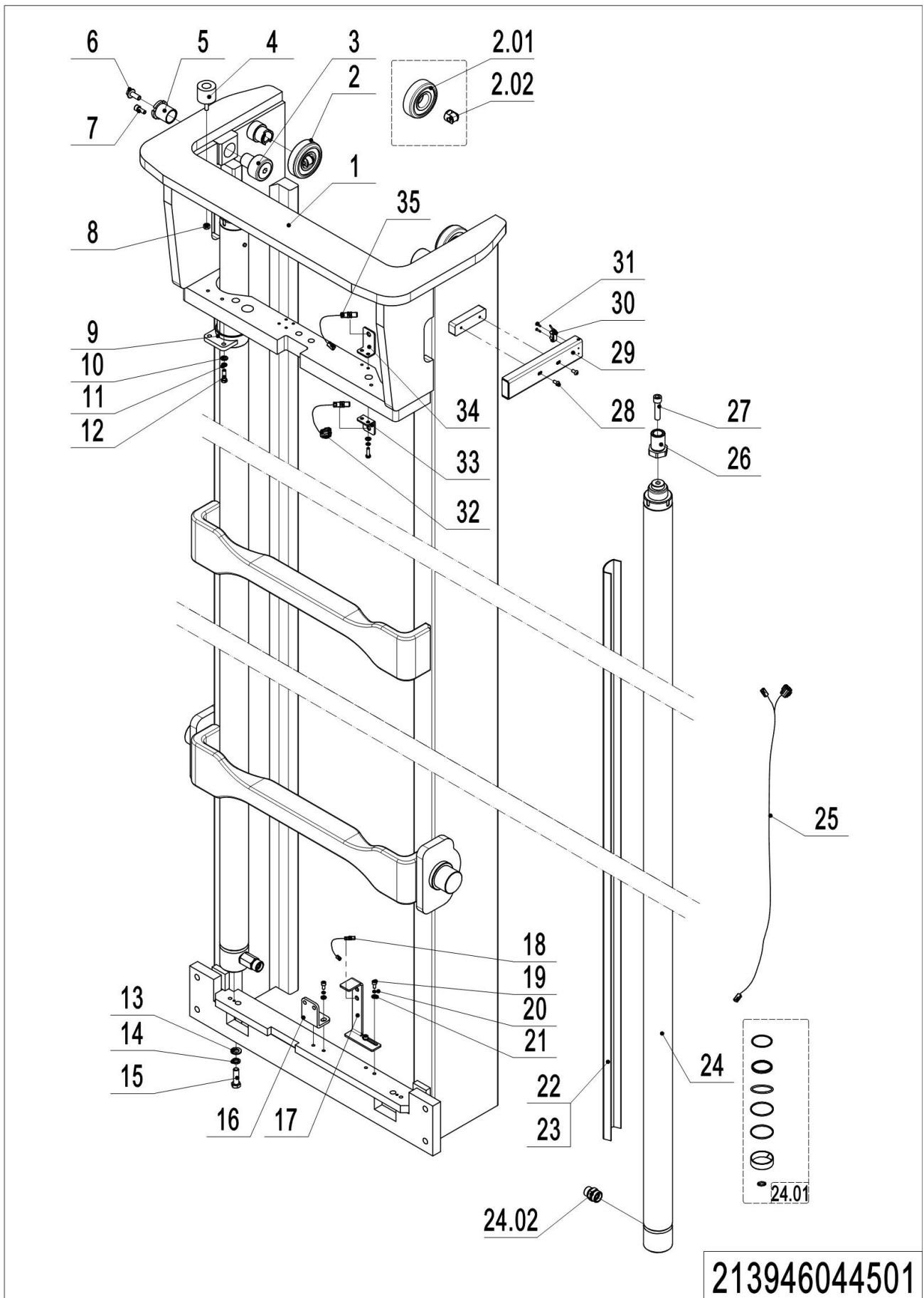
### 01 Outer Mast (213946044501)



## 01 Outer Mast (213946044501)

| No.  | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|------|--------------|------|------------------|------|------------|------|
| 1    | 212944510000 |      | Outer Mast       | 1    |            | 4500 |
| 1    | 212944510001 |      | Outer Mast       | 1    |            | 5000 |
| 1    | 212944510002 |      | Outer Mast       | 1    |            | 5500 |
| 1    | 212944510003 |      | Outer Mast       | 1    |            | 6000 |
| 1    | 212944510004 |      | Outer Mast       | 1    |            | 6500 |
| 1    | 212944510005 |      | Outer Mast       | 1    |            | 7000 |
| 1    | 212944510006 |      | Outer Mast       | 1    |            | 7500 |
| 1    | 212944510007 |      | Outer Mast       | 1    |            | 8000 |
| 1    | 212944510008 |      | Outer Mast       | 1    |            | 8500 |
| 1    | 212944510009 |      | Outer Mast       | 1    |            | 9000 |
| 1    | 212944510010 |      | Outer Mast       | 1    |            | 9500 |
| 2    | 940200300034 |      | Compound Roller  | 2    |            |      |
| 2.01 | 940200100063 |      | Roller           | 1    |            |      |
| 2.02 | 940200900010 |      | Side Roller Kit  | 1    |            |      |
| 3    | 212944520124 |      | Roller           | 2    |            |      |
| 4    | 212144520065 |      | Crash Pad        | 2    |            |      |
| 5    | 212944520123 |      | Bushing          | 2    |            |      |
| 6    | 910100800008 | 1    | Bolt M10x25      | 2    |            |      |
| 7    | 910200200057 | 1    | Screw M8x20      | 2    |            |      |
| 8    | 910300500008 | 1    | Nut              | 2    |            |      |
| 9    | 212144510048 |      | Fixed Base       | 2    |            |      |
| 10   | 910400100006 | 1    | Flat Washer      | 4    |            |      |
| 11   | 910400500006 | 1    | Spring Washer    | 4    |            |      |
| 12   | 910200200058 |      | Screw M8x25      | 4    |            |      |
| 13   | 910400100008 | 1    | Flat Washer      | 2    |            |      |
| 14   | 910400500008 | 11   | Spring Washer    | 2    |            |      |
| 15   | 910100400012 | 1    | Bolt M12x1.25x40 | 2    |            |      |
| 16   | 212144520062 |      | Fixed Plate      | 1    |            |      |
| 17   | 212144520297 |      | Mounting Plate   | 1    |            |      |
| 18   | 212133510005 |      | Proximity Switch | 1    |            |      |
| 19   | 910400100005 | 1    | Flat Washer      | 8    |            |      |

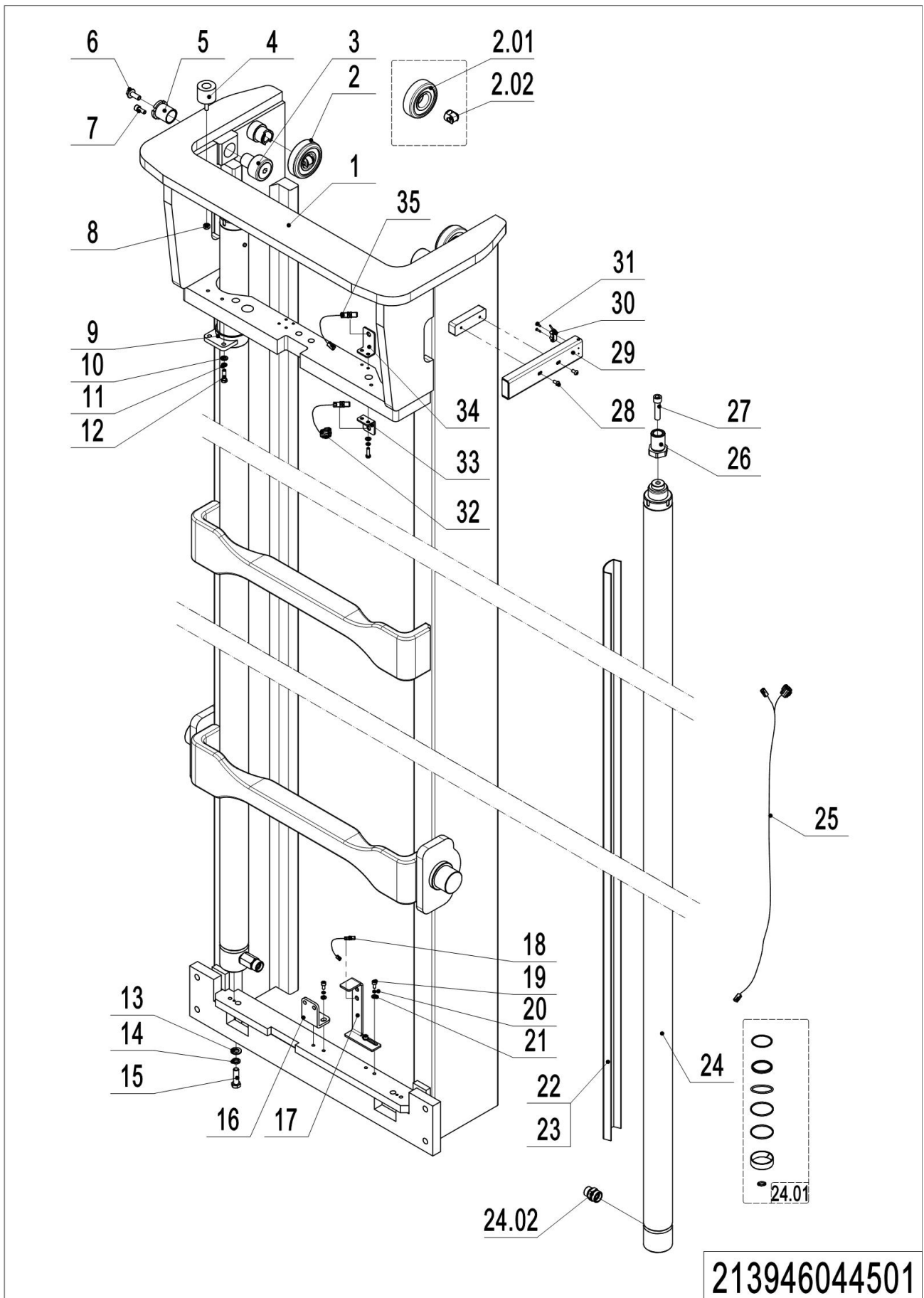
# 01 Outer Mast (213946044501) Continuation 1



## 01 Outer Mast (213946044501) Continuation 1

| No.   | Item Code    | Mark | Item Description     | Qty. | Substitute | Note    |
|-------|--------------|------|----------------------|------|------------|---------|
| 20    | 910400500005 | 1    | Spring Washer        | 8    |            |         |
| 21    | 910200200035 | 1    | Screw M6x16          | 8    |            |         |
| 22    | 212144520250 |      | Guard Cover          | /    |            | Several |
| 23    | 212144520251 |      | Guard Cover          | /    |            | Several |
| 23    | 212144520252 |      | Guard Cover          | /    |            | Several |
| 23    | 212144520253 |      | Guard Cover          | /    |            | Several |
| 23    | 212144520295 |      | Guard Cover          | /    |            | Several |
| 23    | 911000600007 |      | Hose Clamp           | 6    |            | Several |
| 24    | 212144510055 |      | Cylinder             | 2    |            | 4500    |
| 24    | 212144510056 |      | Cylinder             | 2    |            | 5000    |
| 24    | 212144510057 |      | Cylinder             | 2    |            | 5500    |
| 24    | 212144510058 |      | Cylinder             | 2    |            | 6000    |
| 24    | 212144510059 |      | Cylinder             | 2    |            | 6500    |
| 24    | 212144510060 |      | Cylinder             | 2    |            | 7000    |
| 24    | 212144510061 |      | Cylinder             | 2    |            | 7500    |
| 24    | 212144510062 |      | Cylinder             | 2    |            | 8000    |
| 24    | 212144510063 |      | Cylinder             | 2    |            | 8500    |
| 24    | 212144510064 |      | Cylinder             | 2    |            | 9000    |
| 24    | 212144510065 |      | Cylinder             | 2    |            | 9500    |
| 24.01 | 212198510002 |      | Seal Kit             | 1    |            |         |
| 24.02 | 212198520022 |      | Anti-explosion Valve | 1    |            |         |
| 25    | 213933010013 |      | Wire Harness         | 1    |            | 4500    |
| 25    | 213933010014 |      | Wire Harness         | 1    |            | 5000    |
| 25    | 213933010015 |      | Wire Harness         | 1    |            | 5500    |
| 25    | 213933010016 |      | Wire Harness         | 1    |            | 6000    |
| 25    | 213933010017 |      | Wire Harness         | 1    |            | 6500    |
| 25    | 213933010018 |      | Wire Harness         | 1    |            | 7000    |
| 25    | 213933010019 |      | Wire Harness         | 1    |            | 7500    |
| 25    | 213933010020 |      | Wire Harness         | 1    |            | 8000    |
| 25    | 213933010021 |      | Wire Harness         | 1    |            | 8500    |
| 25    | 213933010022 |      | Wire Harness         | 1    |            | 9000    |
| 25    | 213933010023 |      | Wire Harness         | 1    |            | 9500    |

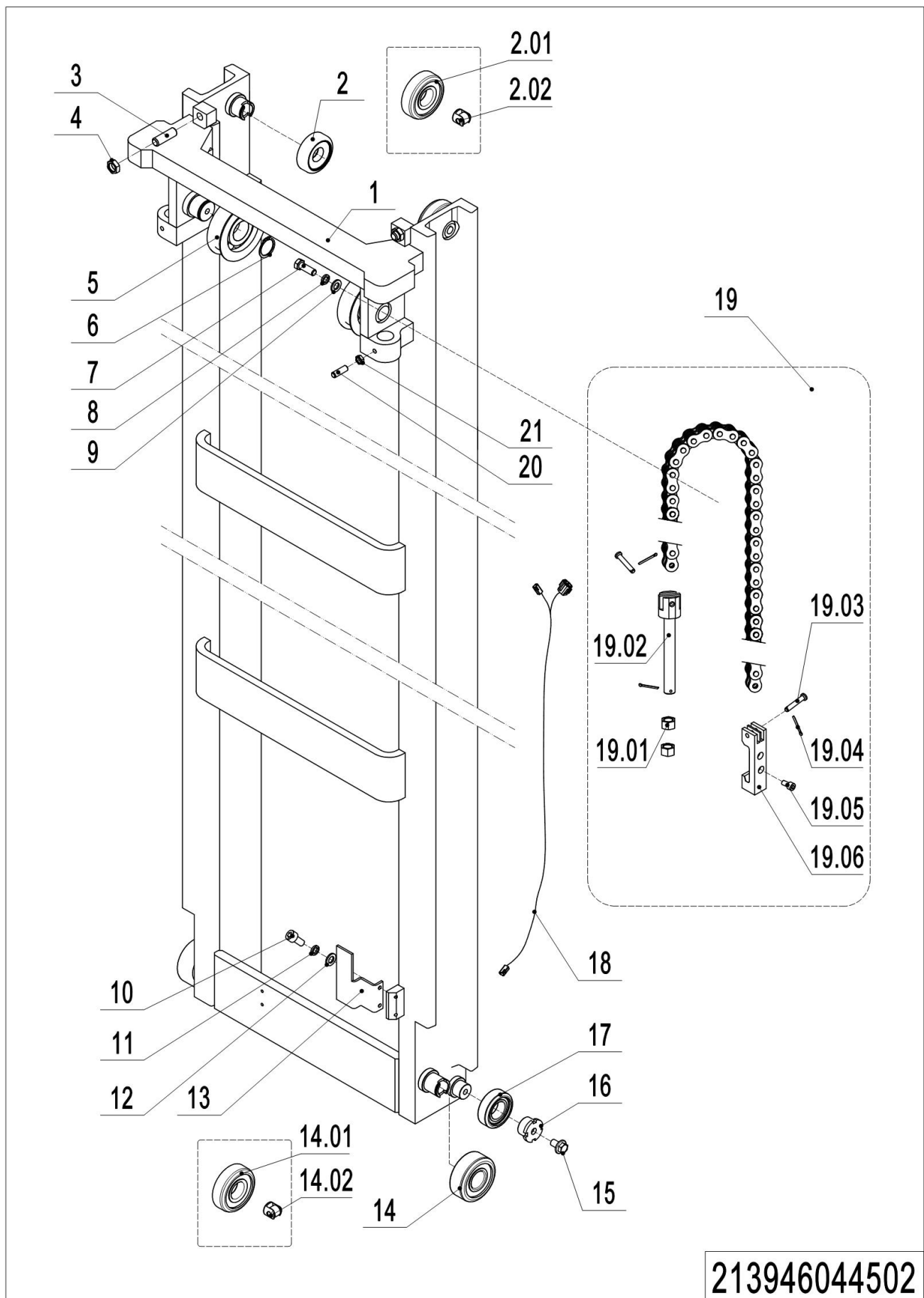
# 01 Outer Mast (213946044501) Continuation 2



## 01 Outer Mast (213946044501) Continuation 2

| No. | Item Code    | Mark | Item Description       | Qty. | Substitute | Note |
|-----|--------------|------|------------------------|------|------------|------|
| 26  | 212144520060 |      | Adjusting Screw Sleeve | 1    |            |      |
| 27  | 910100300054 | 1    | Bolt M12x50            | 2    |            |      |
| 28  | 941100100009 | 1    | Screw M6x12            | 2    |            |      |
| 29  | 212944510056 |      | Mounting Plate         | 1    |            |      |
| 30  | 213933010041 |      | Switch                 | 1    |            |      |
| 31  | 910200300055 | 1    | Screw M3x12            | 2    |            |      |
| 32  | 212133510006 |      | Proximity Switch       | 1    |            |      |
| 33  | 212144520061 |      | Fixed Plate            | 1    |            |      |
| 34  | 212144520321 |      | Fixed Plate            | 1    |            |      |
| 35  | 212133510008 |      | Proximity Switch       | 1    |            |      |

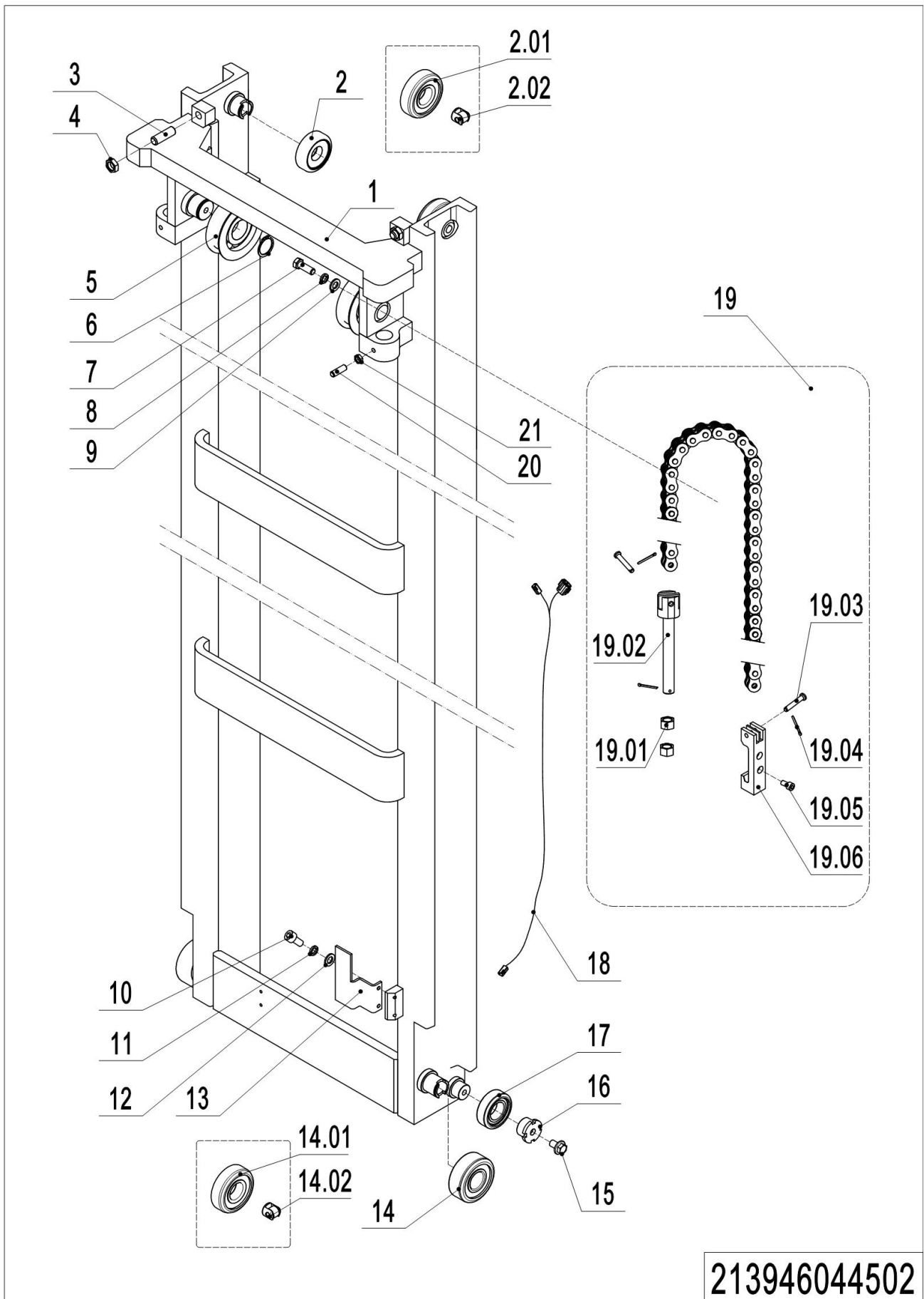


**02 Middle Mast (213946044502)****213946044502**

## 02 Middle Mast (213946044502)

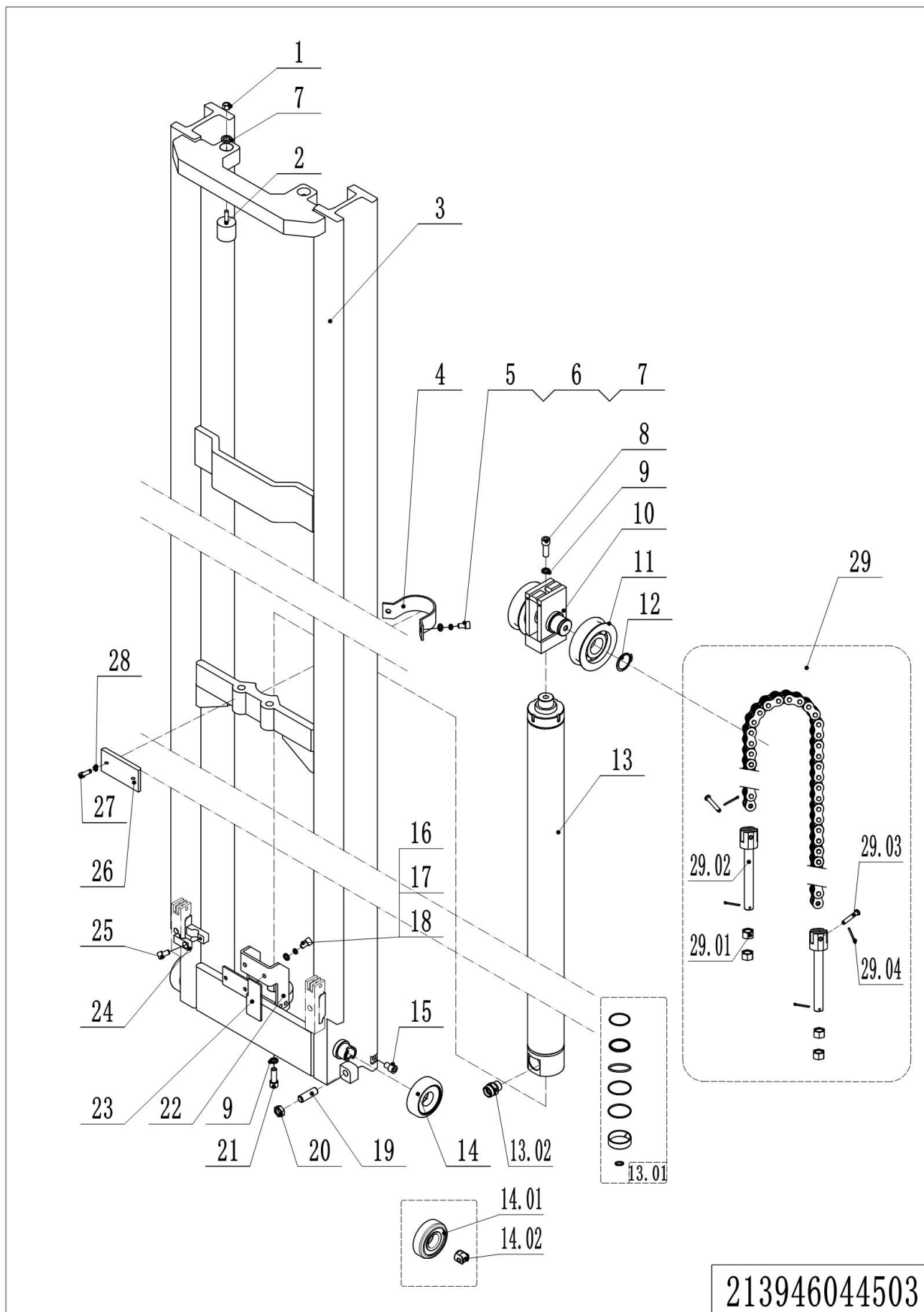
| No.   | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-------|--------------|------|------------------|------|------------|------|
| 1     | 212944510020 |      | Middle Mast      | 1    |            | 4500 |
| 1     | 212944510021 |      | Middle Mast      | 1    |            | 5000 |
| 1     | 212944510022 |      | Middle Mast      | 1    |            | 5500 |
| 1     | 212944510023 |      | Middle Mast      | 1    |            | 6000 |
| 1     | 212944510024 |      | Middle Mast      | 1    |            | 6500 |
| 1     | 212944510025 |      | Middle Mast      | 1    |            | 7000 |
| 1     | 212944510026 |      | Middle Mast      | 1    |            | 7500 |
| 1     | 212944510027 |      | Middle Mast      | 1    |            | 8000 |
| 1     | 212944510028 |      | Middle Mast      | 1    |            | 8500 |
| 1     | 212944510029 |      | Middle Mast      | 1    |            | 9000 |
| 1     | 212944510030 |      | Middle Mast      | 1    |            | 9500 |
| 2     | 940200300034 |      | Compound Roller  | 2    |            |      |
| 2.01  | 940200100063 |      | Roller           | 1    |            |      |
| 2.02  | 940200900010 |      | Side Roller Kit  | 1    |            |      |
| 3     | 910203200001 |      | Screw M16x1.5x55 | 2    |            |      |
| 4     | 910300400006 |      | Nut              | 2    |            |      |
| 5     | 940200500001 |      | Sprocket Bearing | 2    |            |      |
| 6     | 910401300020 |      | Circlip (Shaft)  | 2    |            |      |
| 7     | 910100300051 |      | Bolt M12x35      | 1    |            |      |
| 8     | 910400500008 |      | Spring Washer    | 1    |            |      |
| 9     | 910400100008 |      | Flat Washer      | 1    |            |      |
| 10    | 910200200036 |      | Screw M6x20      | 2    |            |      |
| 11    | 910400500005 |      | Spring Washer    | 2    |            |      |
| 12    | 910400100005 |      | Flat Washer      | 2    |            |      |
| 13    | 212144520322 |      | Fixed Plate      | 1    |            |      |
| 14    | 940200300068 |      | Compound Roller  | 2    |            |      |
| 14.01 | 940200100074 |      | Roller           | 1    |            |      |
| 14.02 | 940200900017 |      | Side Roller Kit  | 1    |            |      |
| 15    | 910100800015 |      | Bolt M12x20      | 2    |            |      |
| 16    | 212944520122 |      | Bushing          | 2    |            |      |

## 02 Middle Mast (213946044502) Continuation 1



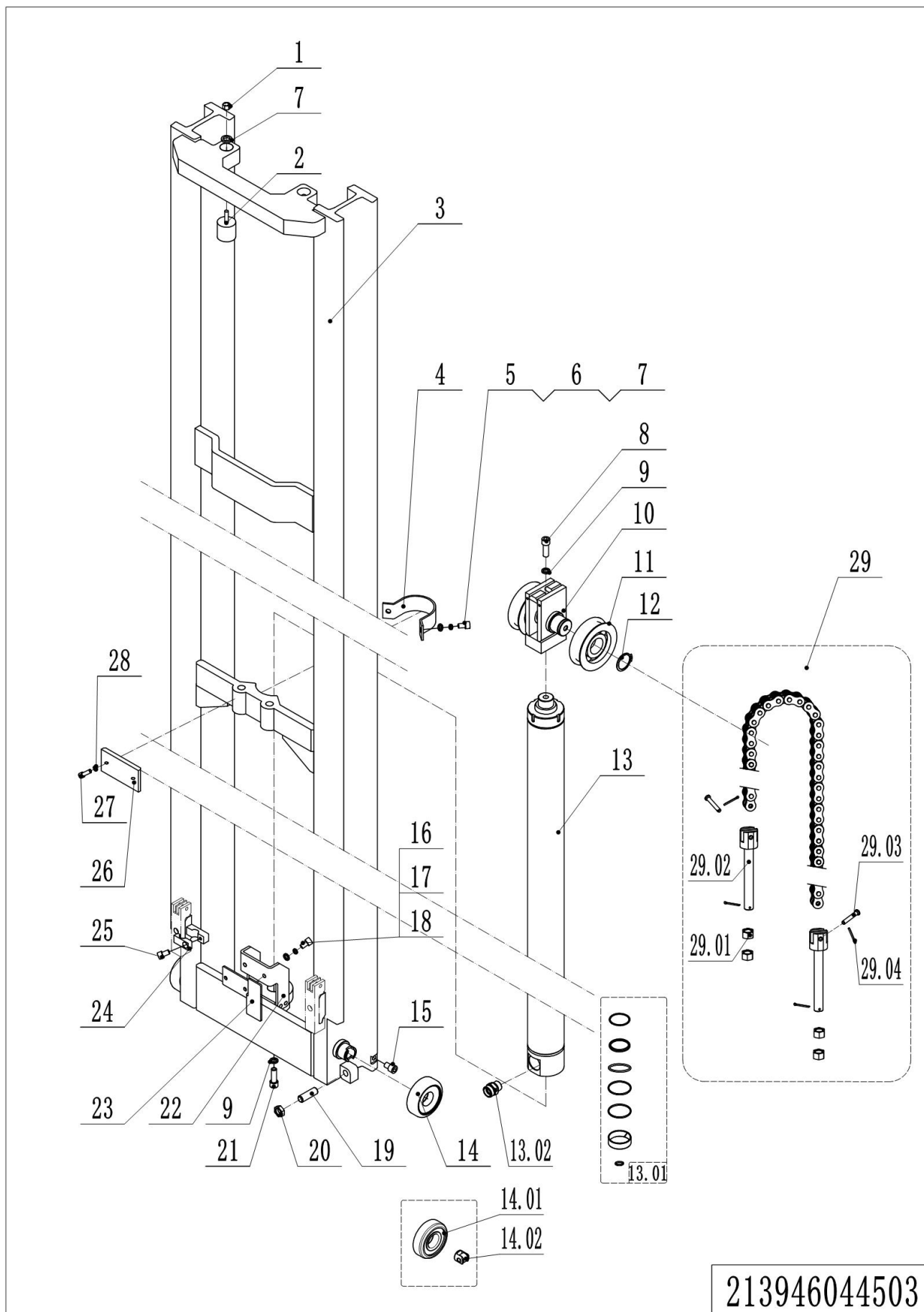
## 02 Middle Mast (213946044502) Continuation 1

| No.   | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-------|--------------|------|------------------|------|------------|------|
| 17    | 940200100045 |      | Main Roller      | 2    |            |      |
| 18    | 213933010060 |      | Wire Harness     | 1    |            | 4500 |
| 18    | 213933010061 |      | Wire Harness     | 1    |            | 5000 |
| 18    | 213933010062 |      | Wire Harness     | 1    |            | 5500 |
| 18    | 213933010063 |      | Wire Harness     | 1    |            | 6000 |
| 18    | 213933010031 |      | Wire Harness     | 1    |            | 6500 |
| 18    | 213933010064 |      | Wire Harness     | 1    |            | 7000 |
| 18    | 213933010065 |      | Wire Harness     | 1    |            | 7500 |
| 18    | 213933010066 |      | Wire Harness     | 1    |            | 8000 |
| 18    | 213933010067 |      | Wire Harness     | 1    |            | 8500 |
| 18    | 213933010068 |      | Wire Harness     | 1    |            | 9000 |
| 18    | 213933010035 |      | Wire Harness     | 1    |            | 9500 |
| 19    | 212144510101 |      | Chain            | 2    |            | 4500 |
| 19    | 212144510102 |      | Chain            | 2    |            | 5000 |
| 19    | 212144510103 |      | Chain            | 2    |            | 5500 |
| 19    | 212144510104 |      | Chain            | 2    |            | 6000 |
| 19    | 212144510105 |      | Chain            | 2    |            | 6500 |
| 19    | 212144510106 |      | Chain            | 2    |            | 7000 |
| 19    | 212144510107 |      | Chain            | 2    |            | 7500 |
| 19    | 212144510108 |      | Chain            | 2    |            | 8000 |
| 19    | 212144510109 |      | Chain            | 2    |            | 8500 |
| 19    | 212144510110 |      | Chain            | 2    |            | 9000 |
| 19    | 212144510111 |      | Chain            | 2    |            | 9500 |
| 19.01 | 910300200008 |      | Nut              | 2    |            |      |
| 19.02 | 941300100012 |      | Chain Bolt       | 1    |            |      |
| 19.03 | 941100800008 |      | Pin Shaft        | 2    |            |      |
| 19.04 | 910600600030 |      | Cotter Pin       | 3    |            |      |
| 19.05 | 910200200058 |      | Screw M8x25      | 2    |            |      |
| 19.06 | 212144520081 |      | Chain Holder     | 1    |            |      |
| 20    | 910200800022 |      | Screw M8x25      | 2    |            |      |
| 21    | 910300100006 |      | Nut              | 2    |            |      |

**03 Inner Mast (213946044503)**

## 03 Inner Mast (213946044503)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 910300500005 | 1    | Nut              | 2    |            |      |
| 2   | 212144520242 |      | Crash Pad        | 2    |            |      |
| 3   | 212944510038 |      | Inner Mast       | 1    |            | 4500 |
| 3   | 212944510039 |      | Inner Mast       | 1    |            | 5000 |
| 3   | 212944510040 |      | Inner Mast       | 1    |            | 5500 |
| 3   | 212944510041 |      | Inner Mast       | 1    |            | 6000 |
| 3   | 212944510042 |      | Inner Mast       | 1    |            | 6500 |
| 3   | 212944510043 |      | Inner Mast       | 1    |            | 7000 |
| 3   | 212944510044 |      | Inner Mast       | 1    |            | 7500 |
| 3   | 212944510045 |      | Inner Mast       | 1    |            | 8000 |
| 3   | 212944510046 |      | Inner Mast       | 1    |            | 8500 |
| 3   | 212944510047 |      | Inner Mast       | 1    |            | 9000 |
| 3   | 212944510048 |      | Inner Mast       | 1    |            | 9500 |
| 4   | 212144520068 |      | Fixed Plate      | 1    |            |      |
| 5   | 910200300028 | 1    | Screw M10x20     | 2    |            |      |
| 6   | 910400500007 | 1    | Spring Washer    | 2    |            |      |
| 7   | 910400100007 | 1    | Flat Washer      | 4    |            |      |
| 8   | 910200200099 | 1    | Screw M12x35     | 1    |            |      |
| 9   | 910400500008 | 1    | Spring Washer    | 2    |            |      |
| 10  | 212144510049 |      | Sprocket Base    | 1    |            |      |
| 11  | 940200500001 |      | Sprocket Bearing | 2    |            |      |
| 12  | 910401300020 | 1    | Circlip (Shaft)  | 2    |            |      |
| 13  | 212144510070 |      | Cylinder         | 1    |            | 4500 |
| 13  | 212144510071 |      | Cylinder         | 1    |            | 5000 |
| 13  | 212144510072 |      | Cylinder         | 1    |            | 5500 |
| 13  | 212144510073 |      | Cylinder         | 1    |            | 6000 |
| 13  | 212144510074 |      | Cylinder         | 1    |            | 6500 |
| 13  | 212144510075 |      | Cylinder         | 1    |            | 7000 |
| 13  | 212144510076 |      | Cylinder         | 1    |            | 7500 |
| 13  | 212144510077 |      | Cylinder         | 1    |            | 8000 |

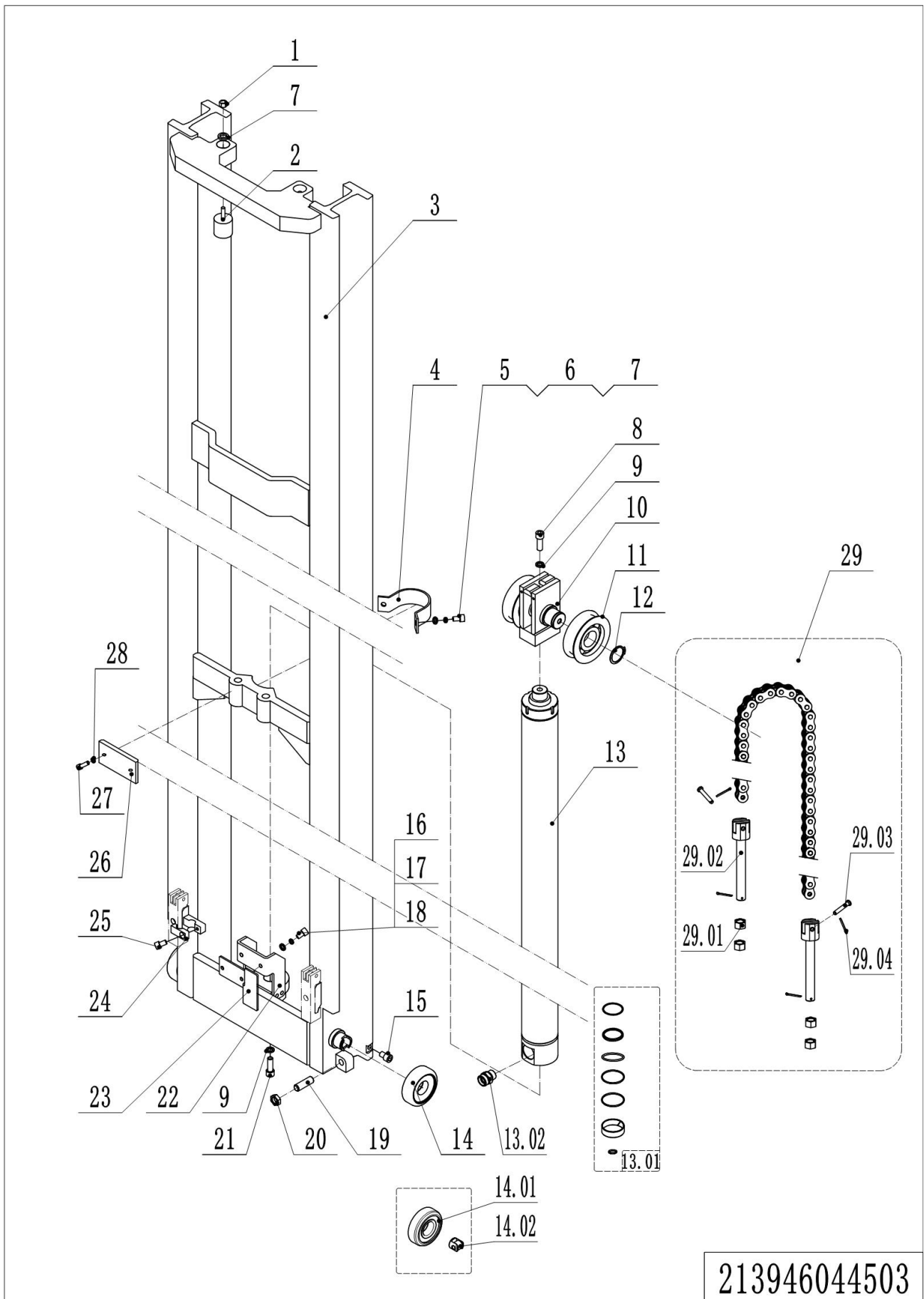
**03 Inner Mast (213946044503) Continuation 1**

## 03 Inner Mast (213946044503) Continuation 1

| No.   | Item Code    | Mark | Item Description     | Qty. | Substitute | Note |
|-------|--------------|------|----------------------|------|------------|------|
| 13    | 212144510078 |      | Cylinder             | 1    |            | 8500 |
| 13    | 212144510079 |      | Cylinder             | 1    |            | 9000 |
| 13    | 212144510080 |      | Cylinder             | 1    |            | 9500 |
| 13.01 | 212198510003 |      | Seal Kit             | 1    |            |      |
| 13.02 | 212198520036 |      | Anti-explosion Valve | 1    |            |      |
| 14    | 940200300034 |      | Compound Roller      | 2    |            |      |
| 14.01 | 940200100063 |      | Roller               | 1    |            |      |
| 14.02 | 940200900010 |      | Side Roller Kit      | 1    |            |      |
| 15    | 910200200096 | 1    | Screw M12x20         | 2    |            |      |
| 16    | 910200200058 | 1    | Screw M8x25          | 2    |            |      |
| 17    | 910400500006 | 1    | Spring Washer        | 2    |            |      |
| 18    | 910400100006 | 1    | Flat Washer          | 2    |            |      |
| 19    | 910203200001 | 1    | Screw M16x1.5x55     | 2    |            |      |
| 20    | 910300400006 | 1    | Nut                  | 2    |            |      |
| 21    | 910100200005 | 1    | Bolt M12x1.25x40     | 1    |            |      |
| 22    | 212144520049 |      | Mounting Base        | 1    |            |      |
| 23    | 212144520298 |      | Mounting Plate       | 1    |            |      |
| 24    | 213044520110 |      | Pipe Clip            | 1    |            |      |
| 25    | 910200200055 | 1    | Screw M8x16          | 1    |            |      |
| 26    | 212144520236 |      | Press Plate          | 1    |            |      |
| 27    | 910200500051 | 1    | Screw M6x12          | 2    |            |      |
| 28    | 910400500005 | 1    | Spring Washer        | 2    |            |      |
| 29    | 212144510090 |      | Chain                | 2    |            | 4500 |
| 29    | 212144510091 |      | Chain                | 2    |            | 5000 |
| 29    | 212144510092 |      | Chain                | 2    |            | 5500 |
| 29    | 212144510093 |      | Chain                | 2    |            | 6000 |
| 29    | 212144510094 |      | Chain                | 2    |            | 6500 |
| 29    | 212144510095 |      | Chain                | 2    |            | 7000 |
| 29    | 212144510096 |      | Chain                | 2    |            | 7500 |
| 29    | 212144510097 |      | Chain                | 2    |            | 8000 |



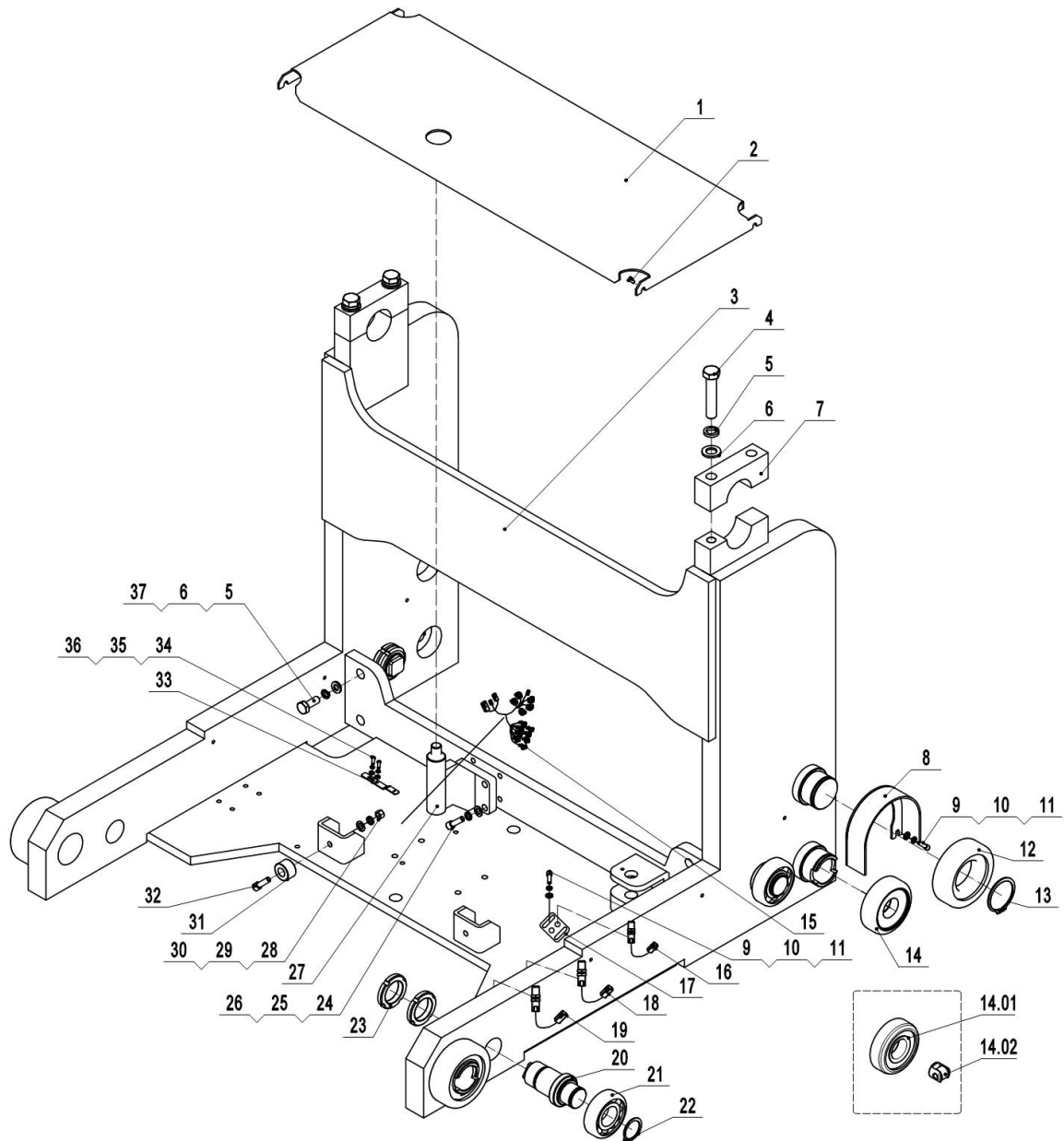
### 03 Inner Mast (213946044503) Continuation 2



## 03 Inner Mast (213946044503) Continuation 2

| No.   | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-------|--------------|------|------------------|------|------------|------|
| 29    | 212144510098 |      | Chain            | 2    |            | 8500 |
| 29    | 212144510099 |      | Chain            | 2    |            | 9000 |
| 29    | 212144510100 |      | Chain            | 2    |            | 9500 |
| 29.01 | 910300200008 |      | Nut              | 4    |            |      |
| 29.02 | 941300100012 |      | Chain Bolt       | 2    |            |      |
| 29.03 | 941100800008 |      | Pin Shaft        | 2    |            |      |
| 29.04 | 910600600030 |      | Cotter Pin       | 4    |            |      |

## 04 Reach Frame (213946044504)

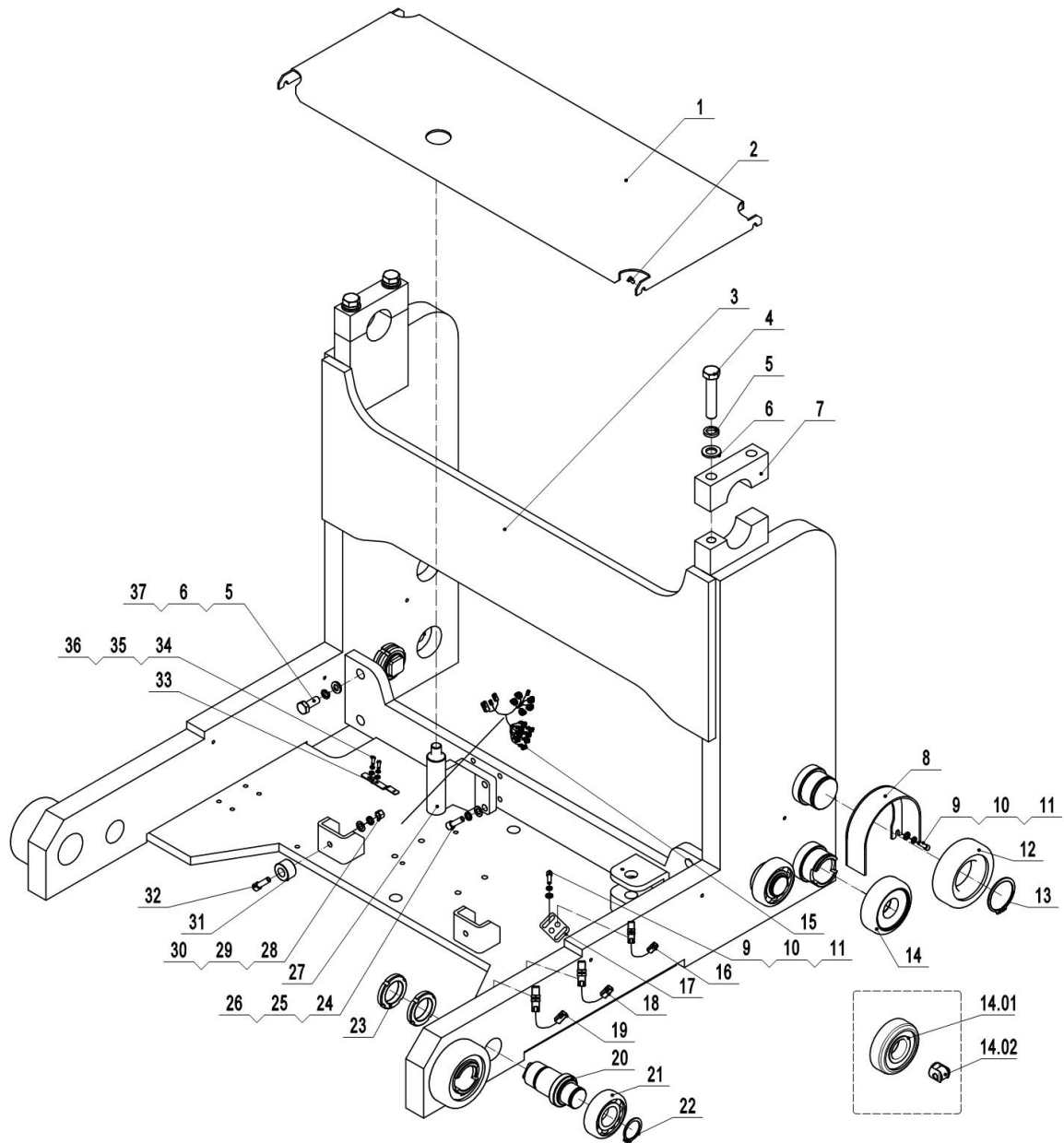


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## 04 Reach Frame (213946044504)

| No.   | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-------|--------------|------|------------------|------|------------|------|
| 1     | 213144520001 |      | Close Plate      | 1    |            |      |
| 2     | 910100300010 | 1    | Bolt M6x16       | 4    |            |      |
| 3     | 213144510001 |      | Frame            | 1    |            |      |
| 4     | 910100200017 | 1    | Bolt M16x1.5x80  | 4    |            |      |
| 5     | 910400100010 | 1    | Flat Washer      | 8    |            |      |
| 6     | 910400500010 | 1    | Spring Washer    | 8    |            |      |
| 7     | 212144520217 |      | Fixed Plate      | 2    |            |      |
| 8     | 212144510081 |      | Guard Cover      | 2    |            |      |
| 9     | 910200200036 | 1    | Screw M6x20      | 10   |            |      |
| 10    | 910400100005 | 1    | Flat Washer      | 10   |            |      |
| 11    | 910400500005 | 1    | Spring Washer    | 10   |            |      |
| 12    | 940200100042 |      | Main Roller      | 2    |            |      |
| 13    | 910401300026 | 1    | Circlip (Shaft)  | 6    |            |      |
| 14    | 940200300042 |      | Compound Roller  | 4    |            |      |
| 14.01 | 940200100042 |      | Main Roller      | 1    |            |      |
| 14.02 | 940200900011 |      | Side Roller Kit  | 1    |            |      |
| 15    | 213933010011 |      | Wire Harness     | 1    |            |      |
| 16    | 212133510002 |      | Proximity Switch | 1    |            |      |
| 17    | 212144520235 |      | Fixed Plate      | 3    |            |      |
| 18    | 212133510003 |      | Proximity Switch | 1    |            |      |
| 19    | 212133510004 |      | Proximity Switch | 1    |            |      |
| 20    | 212144520218 |      | Eccentric Shaft  | 4    |            |      |
| 21    | 940200100008 |      | Main Roller      | 4    |            |      |
| 22    | 910401300018 | 1    | Circlip (Shaft)  | 4    |            |      |
| 23    | 910300800008 |      | Nut              | 8    |            |      |
| 24    | 910200200079 | 1    | Screw M10x40     | 4    |            |      |
| 25    | 910400100007 | 1    | Flat Washer      | 4    |            |      |
| 26    | 910400500007 | 1    | Spring Washer    | 4    |            |      |
| 27    | 212144510051 |      | Fixed Base       | 1    |            |      |
| 28    | 910300500004 | 1    | Nut              | 2    |            |      |

## 04 Reach Frame (213946044504) Continuation 1

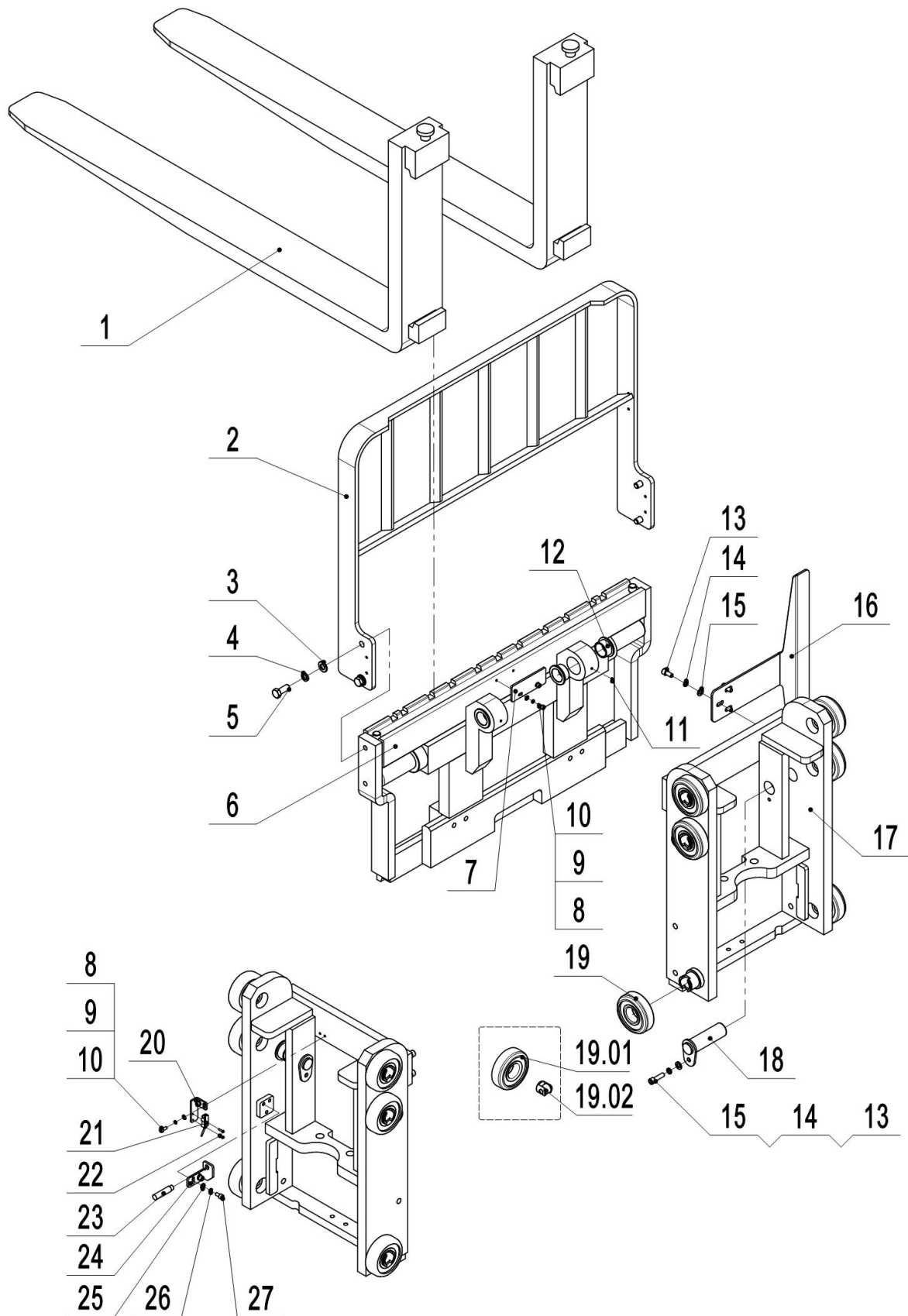


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## 04 Reach Frame (213946044504) Continuation 1

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 29  | 910400100006 | 1    | Flat Washer      | 8    |            |      |
| 30  | 910400500006 | 1    | Spring Washer    | 8    |            |      |
| 31  | 532621520062 |      | Crash Pad        | 2    |            |      |
| 32  | 910200200060 | 1    | Screw M8x35      | 2    |            |      |
| 33  | 921300300005 |      | Holder           | 9    |            |      |
| 34  | 910200500037 | 1    | Screw M5x10      | 18   |            |      |
| 35  | 910400500004 | 1    | Spring Washer    | 18   |            |      |
| 36  | 910400100004 | 1    | Washer           | 18   |            |      |
| 37  | 910100200014 | 1    | Bolt M16x1.5x55  | 4    |            |      |

## 05 Fork Carriage (213946044505)



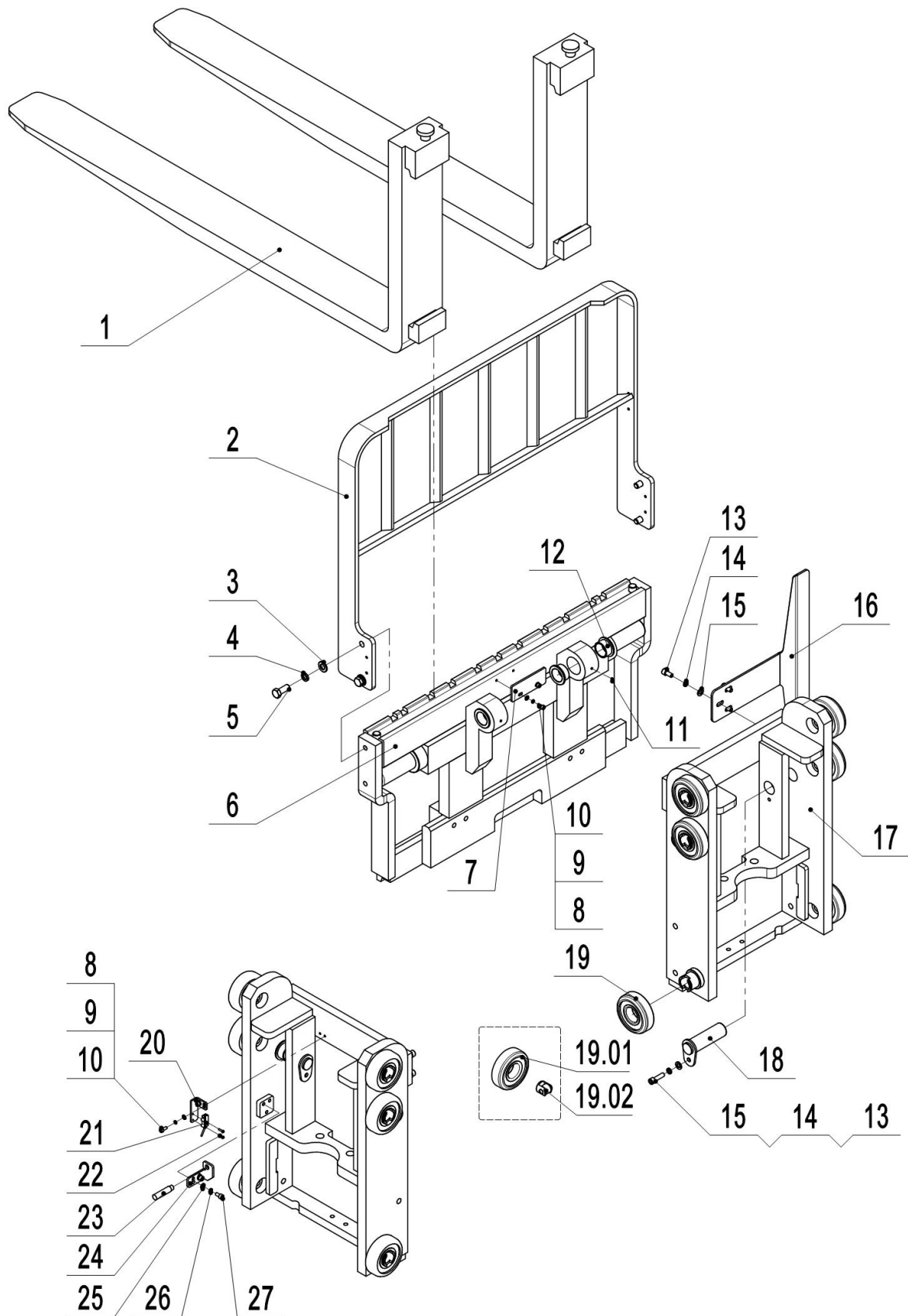
213946044505

## 05 Fork Carriage (213946044505)

| No.   | Item Code    | Mark | Item Description           | Qty. | Substitute | Note        |
|-------|--------------|------|----------------------------|------|------------|-------------|
| 1     | 940100100008 |      | Fork120x40x1070            | 2    |            |             |
| 1     | 940100100010 |      | Fork120x40x1150            | 2    |            |             |
| 1     | 940100100009 |      | Fork120x40x1220            | 2    |            |             |
| 1     | 940100100011 |      | Fork120x40x1370            | 2    |            |             |
| 1     | 940100100012 |      | Fork120x40x1520            | 2    |            |             |
| 1     | 940100100056 |      | Fork120x40x1070 -Side Hole | 2    |            | With Camera |
| 1     | 940100100058 |      | Fork120x40x1150-Side Hole  | 2    |            | With Camera |
| 1     | 940100100059 |      | Fork120x40x1220-Side Hole  | 2    |            | With Camera |
| 1     | 940100100060 |      | Fork120x40x1370-Side Hole  | 2    |            | With Camera |
| 1     | 940100100061 |      | Fork120x40x1520-Side Hole  | 2    |            | With Camera |
| 2     | 212140530002 |      | Load Backrest              | 1    |            |             |
| 3     | 910400100008 | 1    | Flat Washer                | 4    |            |             |
| 4     | 910400500008 | 1    | Spring Washer              | 4    |            |             |
| 5     | 910100300050 | 1    | Bolt M12x30                | 4    |            |             |
| 6     | 940100200006 |      | Side Shifter               | 1    |            |             |
| 7     | 213938020001 |      | Mounting Plate             | 1    |            |             |
| 8     | 910200200022 | 1    | Screw M5x12                | 4    |            |             |
| 9     | 910400500004 | 1    | Spring Washer              | 4    |            |             |
| 10    | 910400100004 | 1    | Washer                     | 4    |            |             |
| 11    | 911200100002 |      | Oil Cup                    | 2    |            |             |
| 12    | 940500400013 |      | Oilless Bearing            | 4    |            |             |
| 13    | 910200300025 | 1    | Screw M8x20                | 5    |            |             |
| 14    | 910400500019 | 1    | Spring Washer              | 5    |            |             |
| 15    | 910400100006 | 1    | Flat Washer                | 5    |            |             |
| 16    | 213938010001 |      | Induction Plate            | 1    |            |             |
| 17    | 213938010000 |      | Carriage                   | 1    |            |             |
| 18    | 212138010003 |      | Trunnion                   | 2    |            |             |
| 19    | 940200300034 |      | Compound Roller            | 6    |            |             |
| 19.01 | 940200100063 |      | Roller                     | 1    |            |             |
| 19.02 | 940200900010 |      | Side Roller Kit            | 1    |            |             |



# 05 Fork Carriage (213946044505) Continuation 1

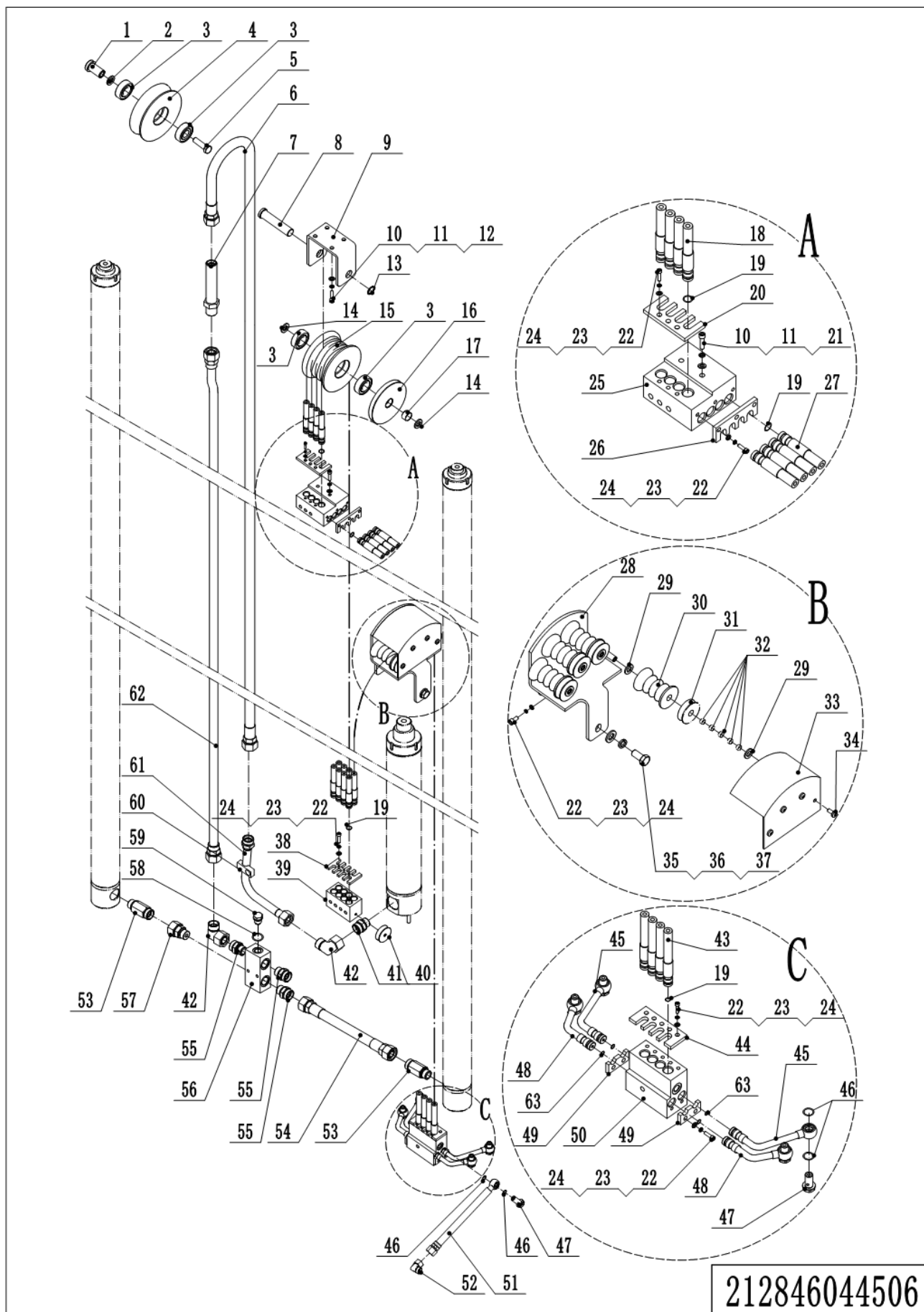


213946044505

## 05 Fork Carriage (213946044505) Continuation 1

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 20  | 213938020002 |      | Mounting Plate   | 1    |            |      |
| 21  | 213933010041 |      | Switch           | 1    |            |      |
| 22  | 910200300055 | 1    | Screw M3x12      | 2    |            |      |
| 23  | 213933010045 |      | Switch           | 1    |            |      |
| 24  | 213344540029 |      | Mounting Plate   | 1    |            |      |
| 25  | 910400100005 |      | Flat Washer      | 2    |            |      |
| 26  | 910400500006 |      | Spring Washer    | 2    |            |      |
| 27  | 910200200033 |      | Screw M6x12      | 2    |            |      |

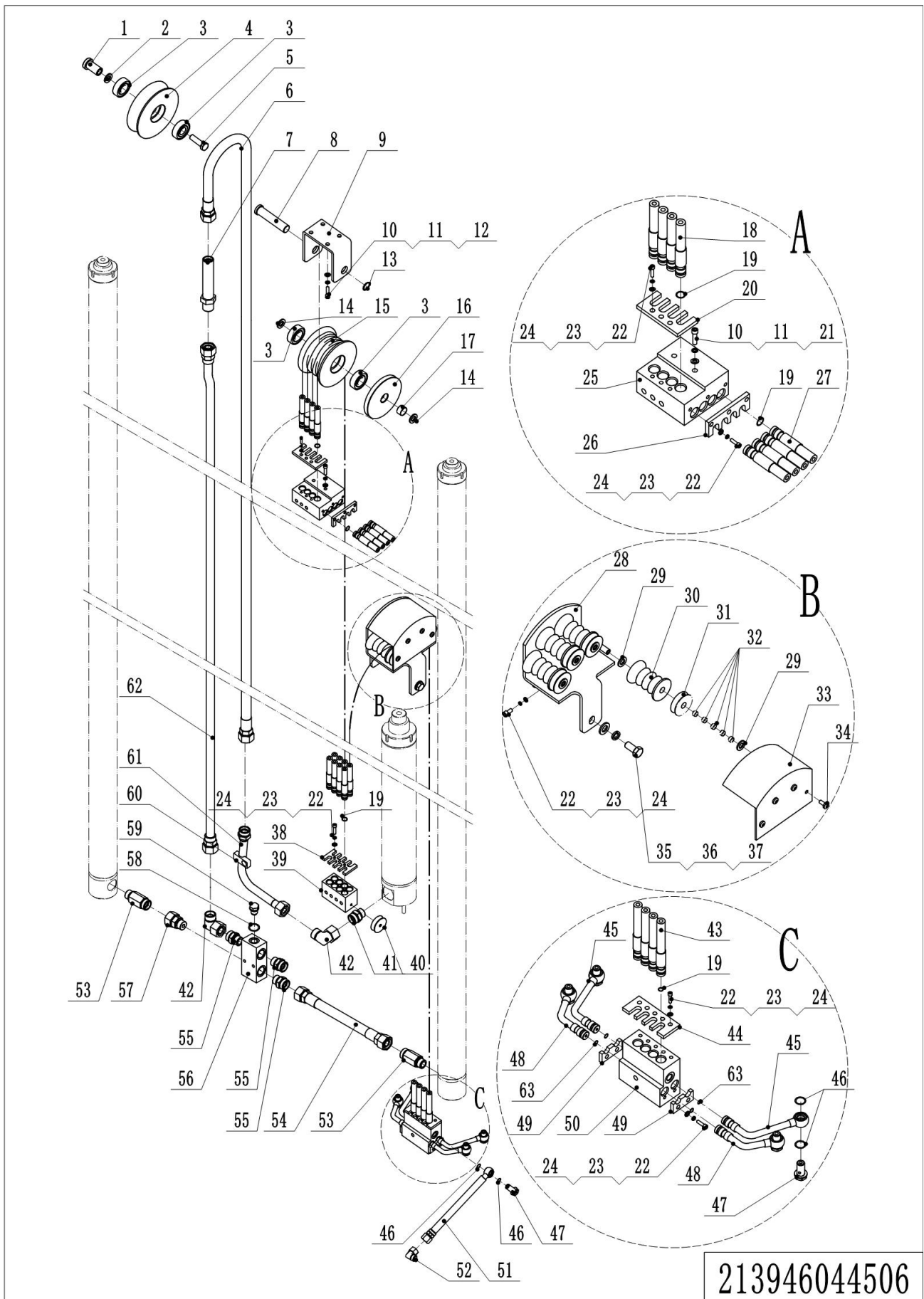
## 06 Mast Hydraulic (212846044506)



## 06 Mast Hydraulic (212846044506)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 212144520051 |      | Trunnion         | 1    |            |      |
| 2   | 212144520052 |      | Washer           | 1    |            |      |
| 3   | 910700200019 |      | Bearing          | 4    |            |      |
| 4   | 212144520050 |      | Pulley           | 1    |            |      |
| 5   | 910100300057 | 1    | Bolt M12x70      | 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 |      | Adapter          | 1    |            |      |
| 8   | 212144520057 |      | Pin Shaft        | 1    |            |      |
| 9   | 212144520044 |      | Mounting Base    | 1    |            |      |
| 10  | 910400100006 | 1    | Flat Washer      | 10   |            |      |
| 11  | 910400500006 | 1    | Spring Washer    | 15   |            |      |
| 12  | 910200200058 | 1    | Screw M8x25      | 13   |            |      |
| 13  | 910401300011 | 1    | Circlip (Shaft)  | 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 |

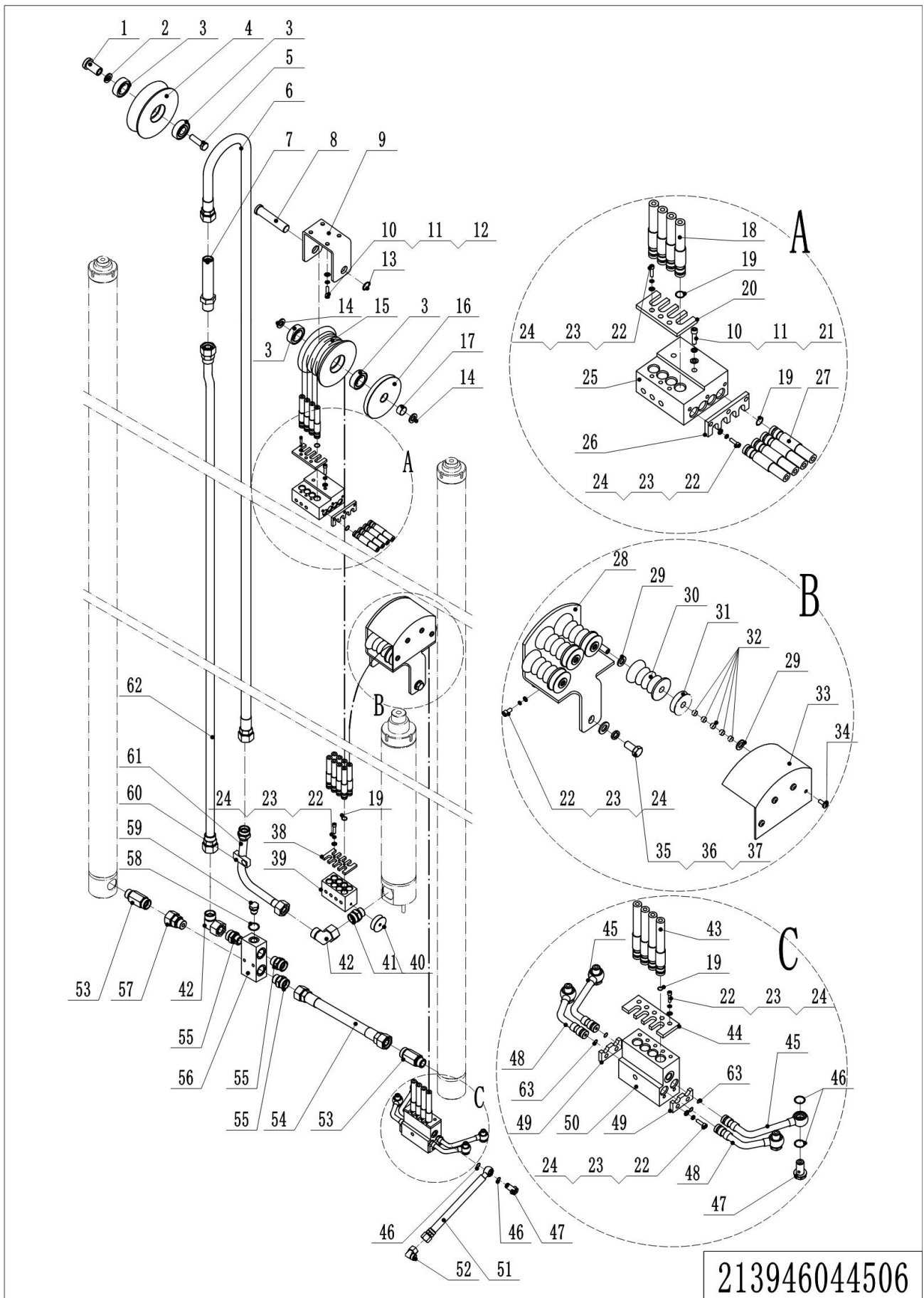
# 06 Mast Hydraulic (213946044506) Continuation 1



## 06 Mast Hydraulic (213946044506) Continuation 1

| 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 | 1    | Screw M8x45      | 2    |            |      |
| 22  | 910200200035 | 1    | Screw M6x16      | 16   |            |      |
| 23  | 910400500005 | 1    | Spring Washer    | 16   |            |      |
| 24  | 910400100005 | 1    | 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 | 1    | Flat Washer      | 8    |            |      |
| 30  | 212144520058 |      | Pulley           | 4    |            |      |

## 06 Mast Hydraulic (213946044506) Continuation 2



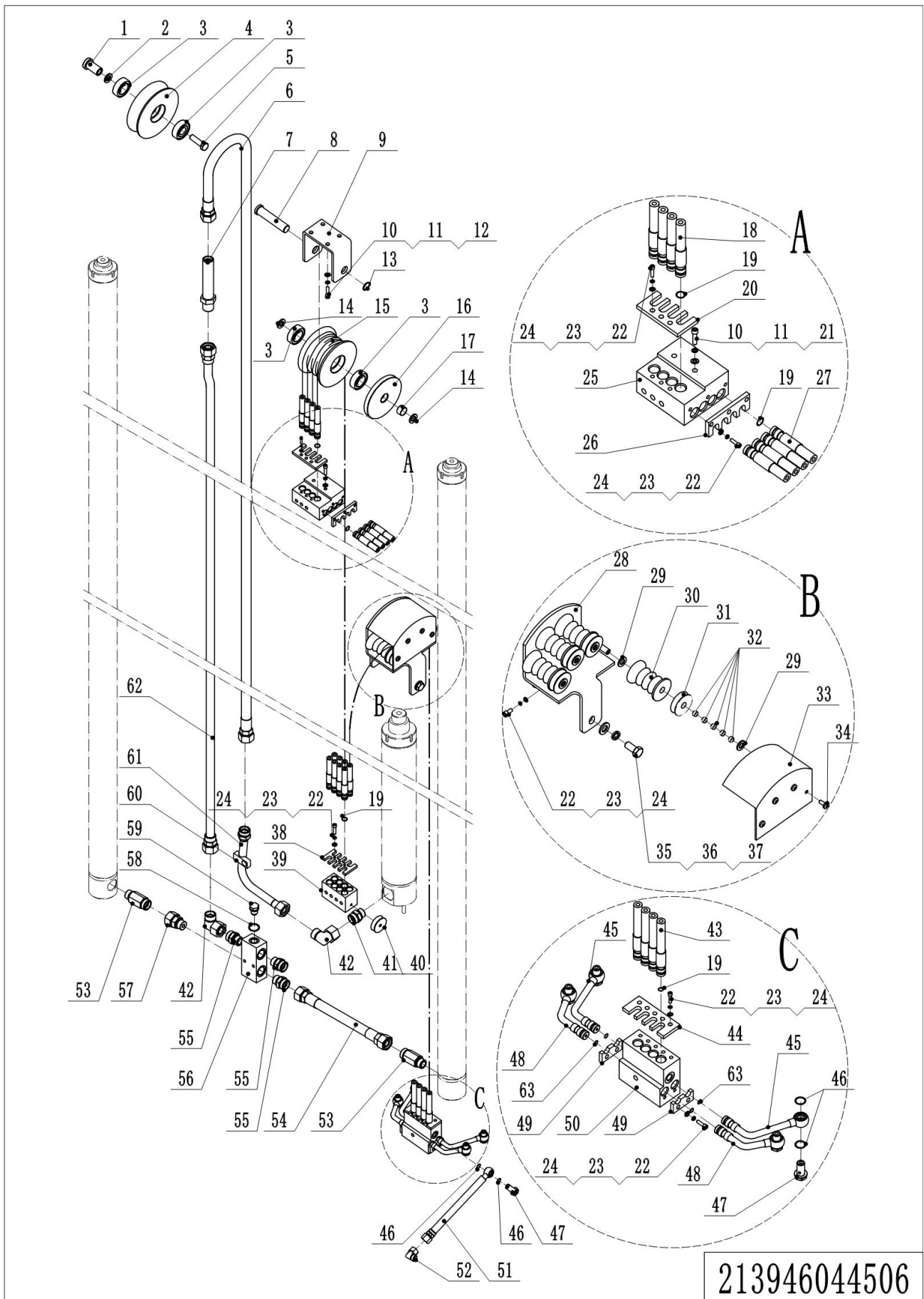
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## 06 Mast Hydraulic (213946044506) Continuation 2

| No. | Item Code    | Mark | Item Description     | Qty. | Substitute | Note |
|-----|--------------|------|----------------------|------|------------|------|
| 31  | 212144520059 |      | Pulley               | 4    |            |      |
| 32  | 940500100079 |      | Bushing              | 20   |            |      |
| 33  | 212144510046 |      | Wheel Casing         | 1    |            |      |
| 34  | 910200500052 | 1    | Screw M6x16          | 4    |            |      |
| 35  | 910100300048 |      | Bolt M12x20          | 2    |            |      |
| 36  | 910400500008 | 1    | Spring Washer        | 3    |            |      |
| 37  | 910400100008 | 1    | 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 Pipe           | 2    |            |      |
| 46  | 910800100125 |      | O-Ring               | 4    |            |      |
| 47  | 212144520042 | 1    | Bolt                 | 4    |            |      |
| 48  | 212144520034 |      | Steel Pipe           | 2    |            |      |
| 49  | 212144520031 |      | Plate                | 2    |            |      |
| 50  | 212144520030 |      | Valve Block          | 1    |            |      |



# 06 Mast Hydraulic (213946044506) Continuation 3



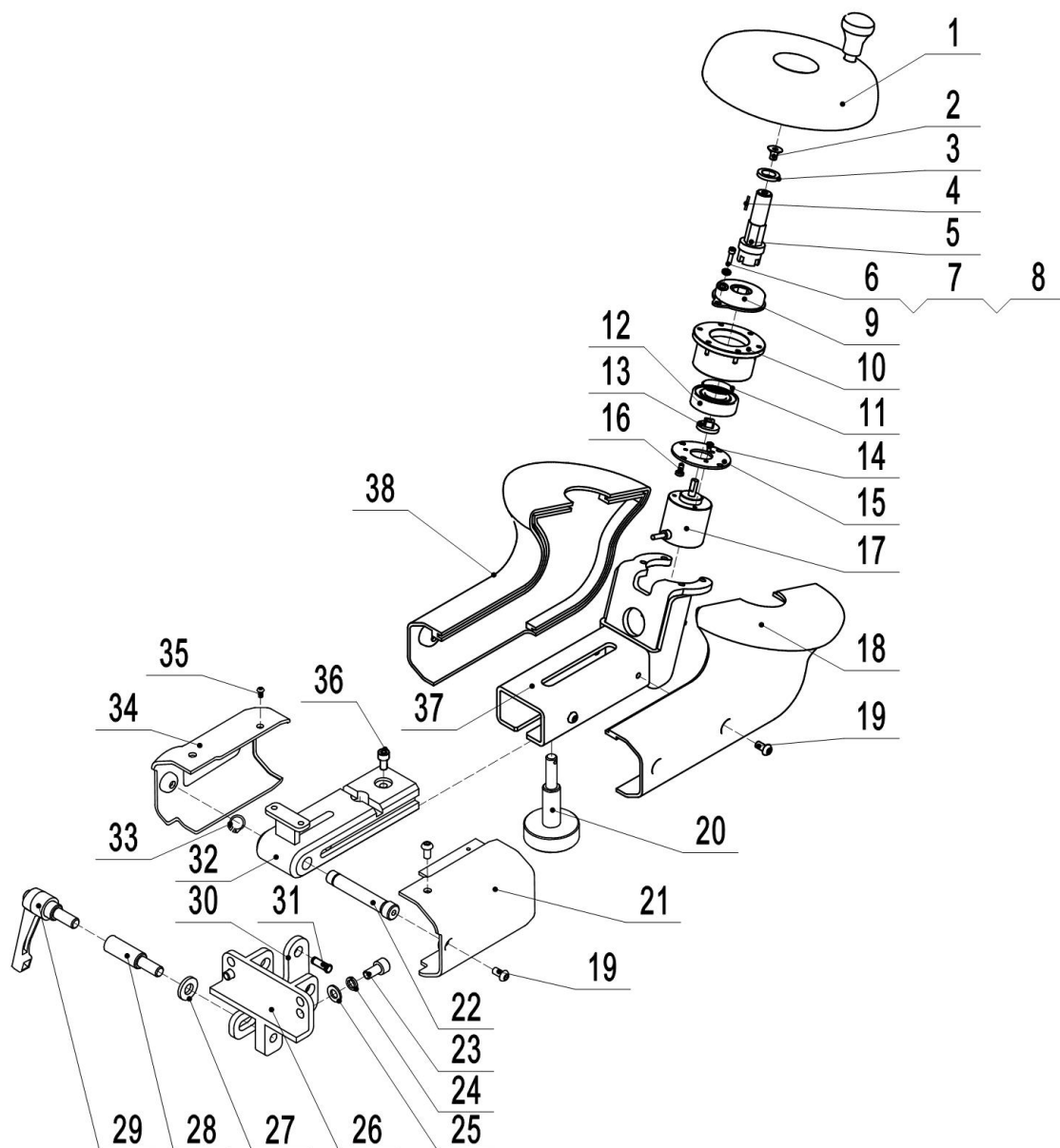
213946044506

## 06 Mast Hydraulic (213946044506) 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  | 212944520125 |      | Hydraulic Hose       | 1    |            |      |
| 55  | 950400400011 |      | Adapter              | 3    |            |      |
| 56  | 212144520041 |      | Valve Block          | 1    |            |      |
| 57  | 950400100003 |      | Adapter              | 1    |            |      |
| 58  | 910800900005 |      | Bonded Washer        | 1    |            |      |
| 59  | 911300100001 |      | Screw Plug M16x1.5   | 1    |            |      |
| 60  | 213044520110 |      | Pipe Clip            | 1    |            |      |
| 61  | 212944520121 |      | Steel Pipe           | 1    |            |      |
| 62  | 212144520115 |      | Steel Pipe           | 1    |            | 4500 |
| 62  | 212144520116 |      | Steel Pipe           | 1    |            | 5000 |
| 62  | 212144520117 |      | Steel Pipe           | 1    |            | 5500 |
| 62  | 212144520118 |      | Steel Pipe           | 1    |            | 6000 |
| 62  | 212144520119 |      | Steel Pipe           | 1    |            | 6500 |
| 62  | 212144520120 |      | Steel Pipe           | 1    |            | 7000 |
| 62  | 212144520121 |      | Steel Pipe           | 1    |            | 7500 |
| 62  | 212144520122 |      | Steel Pipe           | 1    |            | 8000 |
| 62  | 212144520123 |      | Steel Pipe           | 1    |            | 8500 |
| 62  | 212144520124 |      | Steel Pipe           | 1    |            | 9000 |
| 62  | 212144520125 |      | Steel Pipe           | 1    |            | 9500 |
| 63  | 910800100061 |      | O-Ring               | 4    |            |      |

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

### 01 Steering Wheel (213946031501)

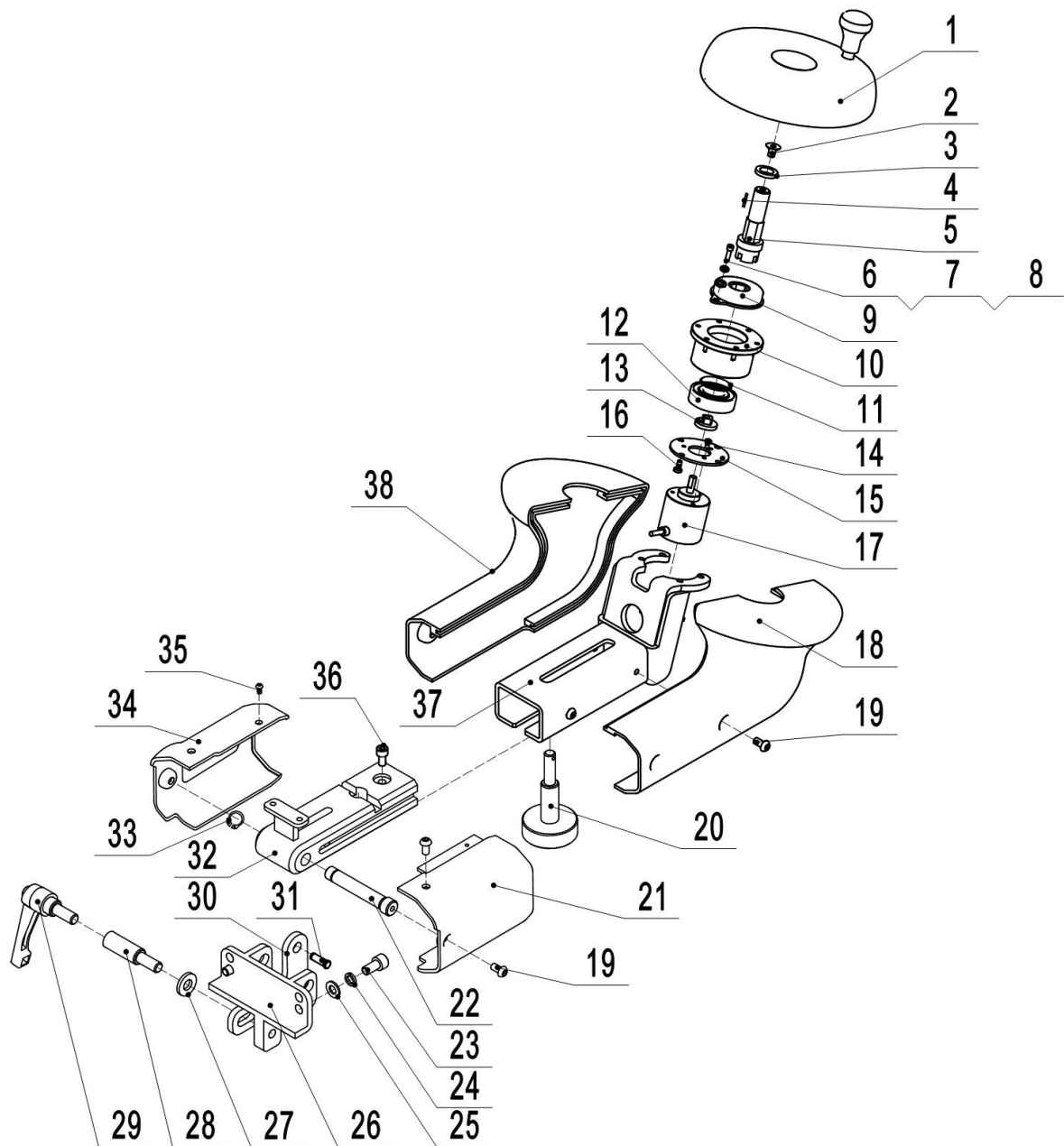


213946031501

## 01 Steering Wheel (213946031501)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 940801700001 |      | Handwheel        | 1    |            |      |
| 2   | 910200400015 | 1    | Screw M6x10      | 1    |            |      |
| 3   | 212131520006 |      | Washer           | 1    |            |      |
| 4   | 910600800004 |      | Flat Key         | 1    |            |      |
| 5   | 212131520005 |      | Shaft            | 1    |            |      |
| 6   | 910200500038 | 1    | Screw M5x12      | 5    |            |      |
| 7   | 910400100004 | 1    | Washer           | 5    |            |      |
| 8   | 910400500004 | 1    | Spring Washer    | 5    |            |      |
| 9   | 271531511021 |      | Rotary Damper    | 1    |            |      |
| 10  | 212131520007 |      | Bearing Base     | 1    |            |      |
| 11  | 910401400012 | 1    | Circlip (Hole)   | 1    |            |      |
| 12  | 910700200004 |      | Bearing          | 1    |            |      |
| 13  | 505931520002 |      | Connector Block  | 1    |            |      |
| 14  | 910200500009 | 1    | Screw M3x6       | 3    |            |      |
| 15  | 212131520008 |      | Fixed Plate      | 1    |            |      |
| 16  | 910200500021 | 1    | Screw M4x10      | 4    |            |      |
| 17  | 921800200039 |      | Potentiometer    | 1    |            |      |
| 18  | 213931520005 |      | Cover            | 1    |            |      |
| 19  | 910200300017 | 1    | Screw M6x12      | 4    |            |      |
| 20  | 212131520015 |      | Handwheel        | 1    |            |      |
| 21  | 212931521001 |      | Cover            | 1    |            |      |
| 22  | 213931520003 |      | Shaft            | 1    |            |      |
| 23  | 910200200055 | 1    | Screw M8x16      | 2    |            |      |
| 24  | 910400500006 | 1    | Spring Washer    | 2    |            |      |
| 25  | 910400100006 | 1    | Flat Washer      | 2    |            |      |
| 26  | 212131510000 |      | Fixed Base       | 1    |            |      |
| 27  | 212131520002 |      | Washer           | 1    |            |      |
| 28  | 213931520007 |      | Shaft            | 1    |            |      |
| 29  | 272031510001 |      | Handle           | 1    |            |      |
| 30  | 212131520003 |      | Fixed Plate      | 1    |            |      |

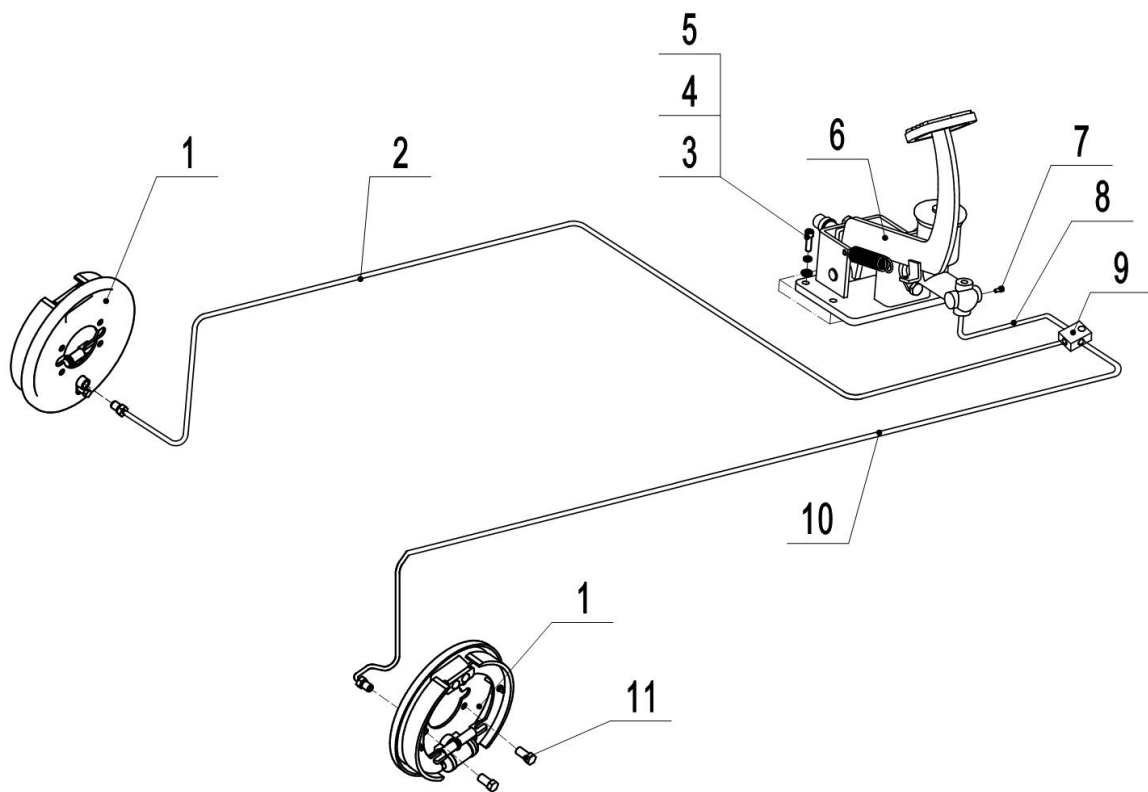
# 01 Steering Wheel (213946031501) Continuation 1



213946031501

## 01 Steering Wheel (213946031501) Continuation 1

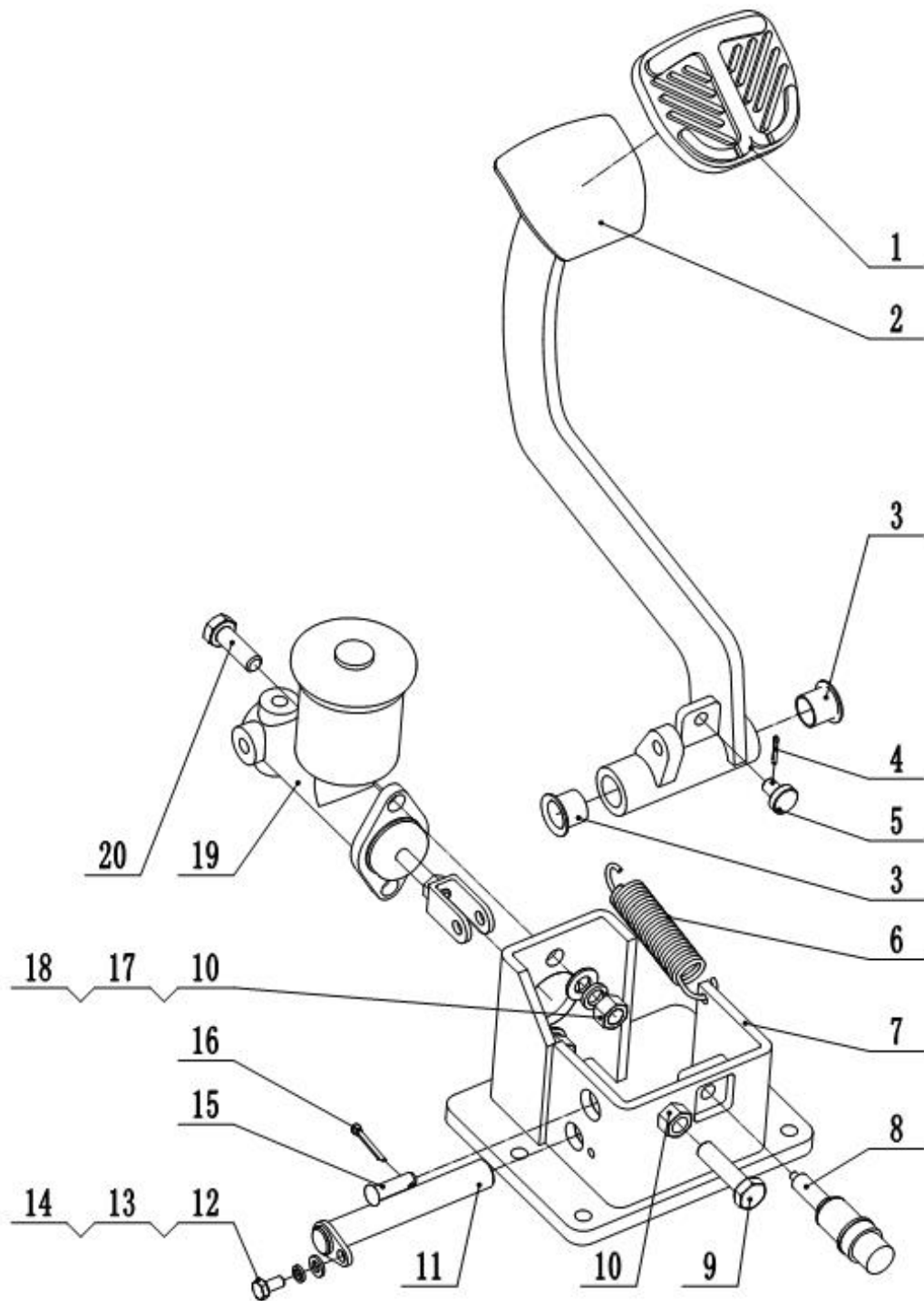
| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 31  | 213031540015 |      | Pin Shaft        | 1    |            |      |
| 32  | 213931510001 |      | Mounting Base    | 1    |            |      |
| 33  | 910401300003 |      | Circlip (Shaft)  | 1    |            |      |
| 34  | 212931521002 |      | Cover            | 1    |            |      |
| 35  | 910200300006 | 1    | Screw M4x10      | 1    |            |      |
| 36  | 910200200033 | 1    | Screw M6x12      | 1    |            |      |
| 37  | 213931510000 |      | Fixed Base       | 1    |            |      |

**02 Brake Unit (213946011501)****213946011501**

## 02 Brake Unit (213946011501)

| No. | Item Code    | Mark | Item Description  | Qty. | Substitute | Note             |
|-----|--------------|------|-------------------|------|------------|------------------|
| 1   | 940700200003 |      | Brake             | 2    |            |                  |
| 2   | 213911510002 |      | Steel Pipe        | 1    |            |                  |
| 3   | 910200200058 | 1    | Screw M8x25       | 4    |            |                  |
| 4   | 910400500006 | 1    | Spring Washer     | 4    |            |                  |
| 5   | 910400100006 | 1    | Flat Washer       | 4    |            |                  |
| 6   | 213711501001 |      | Foot Brake        | 1    |            | See 213746011502 |
| 7   | 213911520004 |      | Plug              | 1    |            |                  |
| 8   | 213911520001 |      | Oil Pipe Assembly | 1    |            |                  |
| 9   | 275011520019 |      | T-connector       | 1    |            |                  |
| 10  | 213911510001 |      | Steel Pipe        | 1    |            |                  |
| 11  | 910100300108 | 1    | Bolt M8x20        | 8    |            |                  |



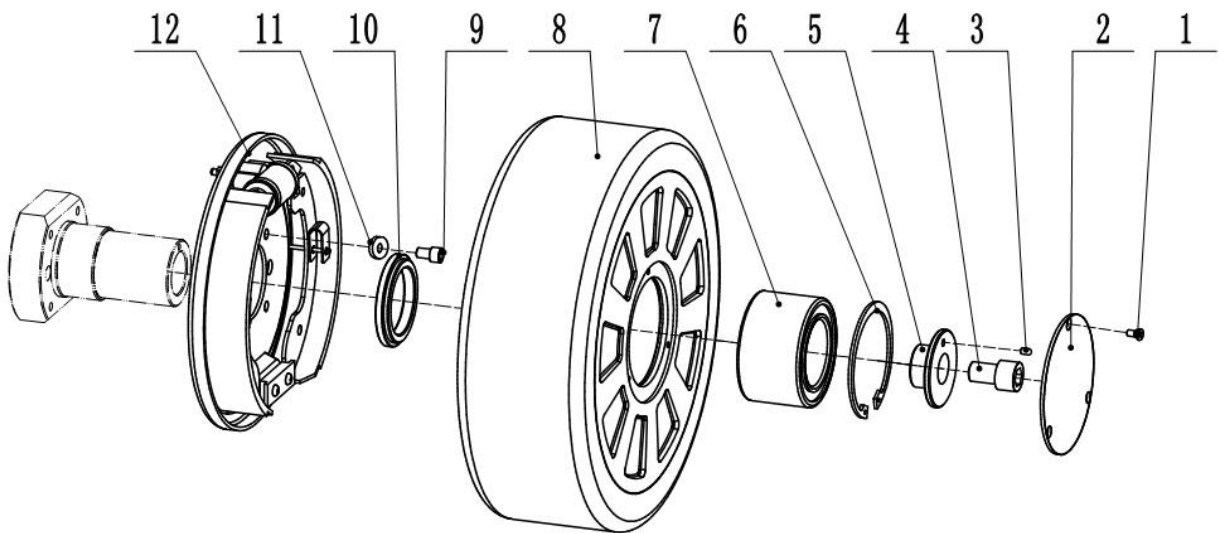
**03 Brake Pedal (213746011502)**

213746011502

## 03 Brake Pedal (213746011502)

| 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   | 213711520000 |      | Induction Block  | 1    |            |      |
| 6   | 275211521013 |      | Spring           | 1    |            |      |
| 7   | 213711510000 |      | Bracket          | 1    |            |      |
| 8   | 213933010038 |      | Proximity Switch | 1    |            |      |
| 9   | 910100300039 | 1    | Bolt M10x40      | 1    |            |      |
| 10  | 910300100007 | 1    | Nut              | 3    |            |      |
| 11  | 212111510002 |      | Trunnion         | 1    |            |      |
| 12  | 910400100005 | 1    | Flat Washer      | 1    |            |      |
| 13  | 910400500005 | 1    | Spring Washer    | 1    |            |      |
| 14  | 910100300009 | 1    | Bolt M6x12       | 1    |            |      |
| 15  | 910600700026 |      | Pin Shaft        | 1    |            |      |
| 16  | 910600600026 |      | Cotter Pin       | 1    |            |      |
| 17  | 910400100007 | 1    | Flat Washer      | 2    |            |      |
| 18  | 910400500007 | 1    | Spring Washer    | 2    |            |      |
| 19  | 212111510006 |      | Brake Pump       | 1    |            |      |
| 20  | 910100300037 | 1    | Bolt M10x30      | 2    |            |      |

## 04 Load Wheel (213146017001)



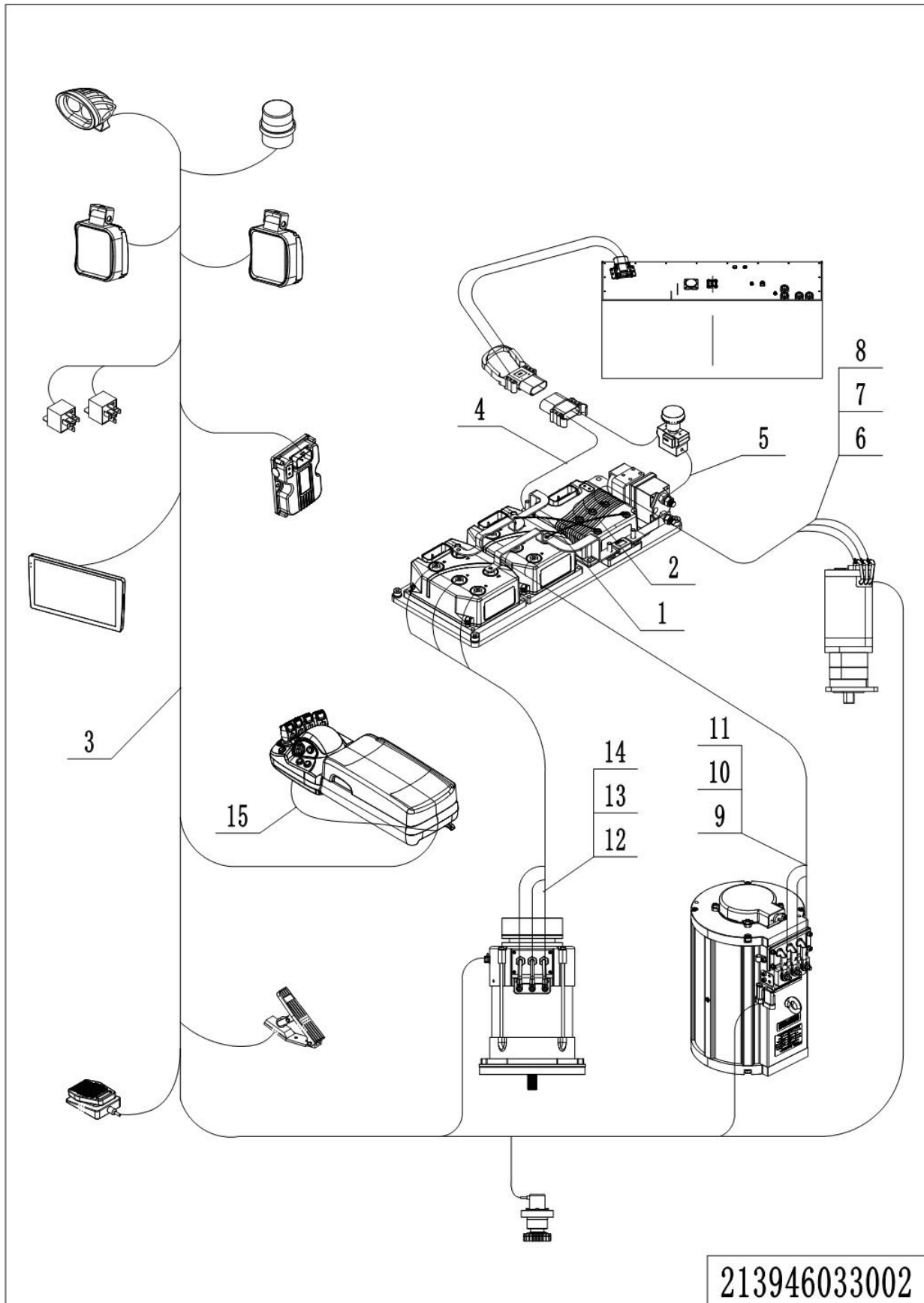
213146017001

## 04 Load Wheel (213146017001)

| No. | Item Code    | Mark | Item Description            | Qty. | Substitute | Note |
|-----|--------------|------|-----------------------------|------|------------|------|
| 1   | 910200600016 | 1    | Screw M5x12                 | 3    |            |      |
| 2   | 212117020000 |      | Close Plate                 | 1    |            |      |
| 3   | 910600100009 |      | Cylindrical Pin             | 1    |            |      |
| 4   | 910202500001 | 1    | Screw M16x1.5x25            | 1    |            |      |
| 5   | 212117020002 |      | Press Cover                 | 1    |            |      |
| 6   | 910401400024 | 1    | Circlip (Hole)              | 1    |            |      |
| 7   | 941101000005 |      | Bearing                     | 1    |            |      |
| 8   | 940300300067 |      | Wheel $\Phi 330 \times 110$ | 1    |            |      |
| 9   | 910100300022 | 1    | Bolt M8x20                  | 4    |            |      |
| 10  | 212117020001 | 1    | Washer                      | 1    |            |      |
| 11  | 910400100006 | 1    | Flat Washer                 | 4    |            |      |
| 12  | 940700200003 |      | Brake                       | 2    |            |      |

## Chapter 6: Electrical Parts

### 01 Wire Harness (213946033002)

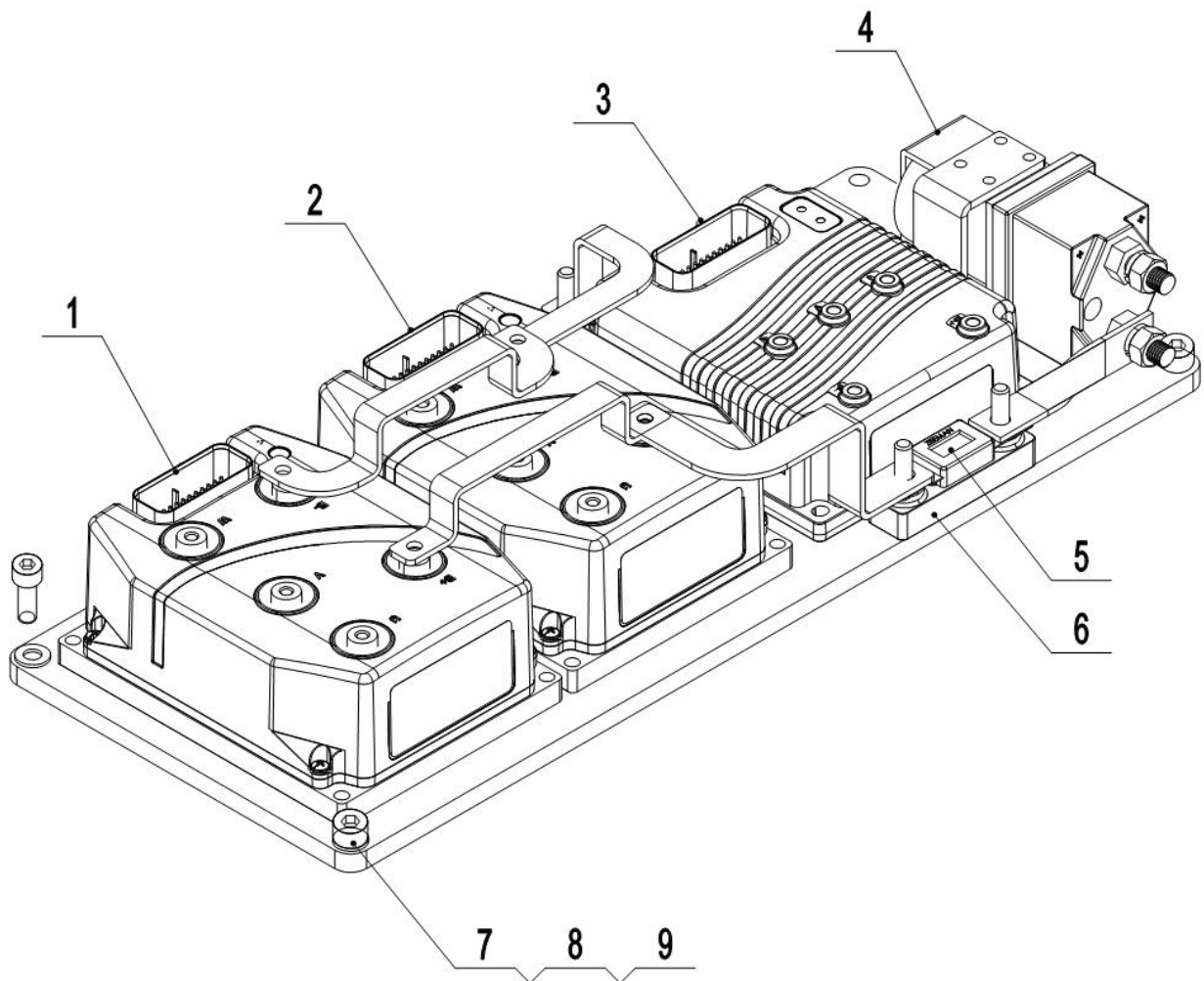


1=package supply; 2=restrict supply; 3=phasing-out supply; 4=supply as assembly; 5=check other tables.

## 01 Wire Harness (213946033002)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 213033010019 |      | Cable            | 1    |            |      |
| 2   | 213033010018 |      | Cable            | 1    |            |      |
| 3   | 213933010000 |      | Wire Harness     | 1    |            |      |
| 4   | 213933010030 |      | Wire Harness     | 1    |            |      |
| 5   | 213933010040 |      | Cable            | 1    |            |      |
| 6   | 213933010009 |      | Cable            | 1    |            |      |
| 7   | 213933010008 |      | Cable            | 1    |            |      |
| 8   | 213933010007 |      | Cable            | 1    |            |      |
| 9   | 213933010006 |      | Cable            | 1    |            |      |
| 10  | 213933010005 |      | Cable            | 1    |            |      |
| 11  | 213933010004 |      | Cable            | 1    |            |      |
| 12  | 213933010003 |      | Cable            | 1    |            |      |
| 13  | 213933010002 |      | Cable            | 1    |            |      |
| 14  | 213933010001 |      | Cable            | 1    |            |      |
| 15  | 213933010036 |      | Wire Harness     | 1    |            |      |

## 02 Controller (213946033001)



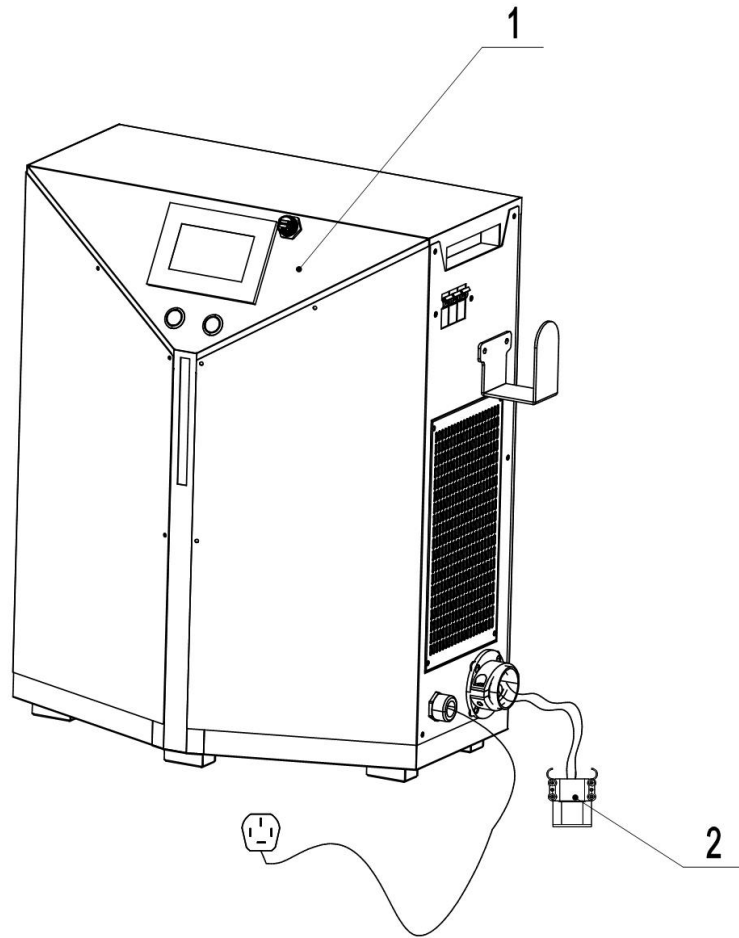
213946033001

## 02 Controller (213946033001)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note                |
|-----|--------------|------|------------------|------|------------|---------------------|
| 1   | 921400100176 |      | Controller       | 1    |            | Traction controller |
| 2   | 921400100176 |      | Controller       | 1    |            | Pump controller     |
| 3   | 921400100354 |      | Controller       | 1    |            | Steering controller |
| 4   | 920700100006 |      | Contactor        | 1    |            |                     |
| 5   | 920100100014 |      | Fuse             | 1    |            | 500A                |
| 6   | 920100400004 |      | Fuse Holder      | 1    |            |                     |
| 7   | 910200200058 | 1    | Screw M8x25      | 4    |            |                     |
| 8   | 910400100006 | 1    | Flat Washer      | 4    |            |                     |
| 9   | 910400500019 | 1    | Spring Washer    | 4    |            |                     |



### 03 Charger (213946036501)



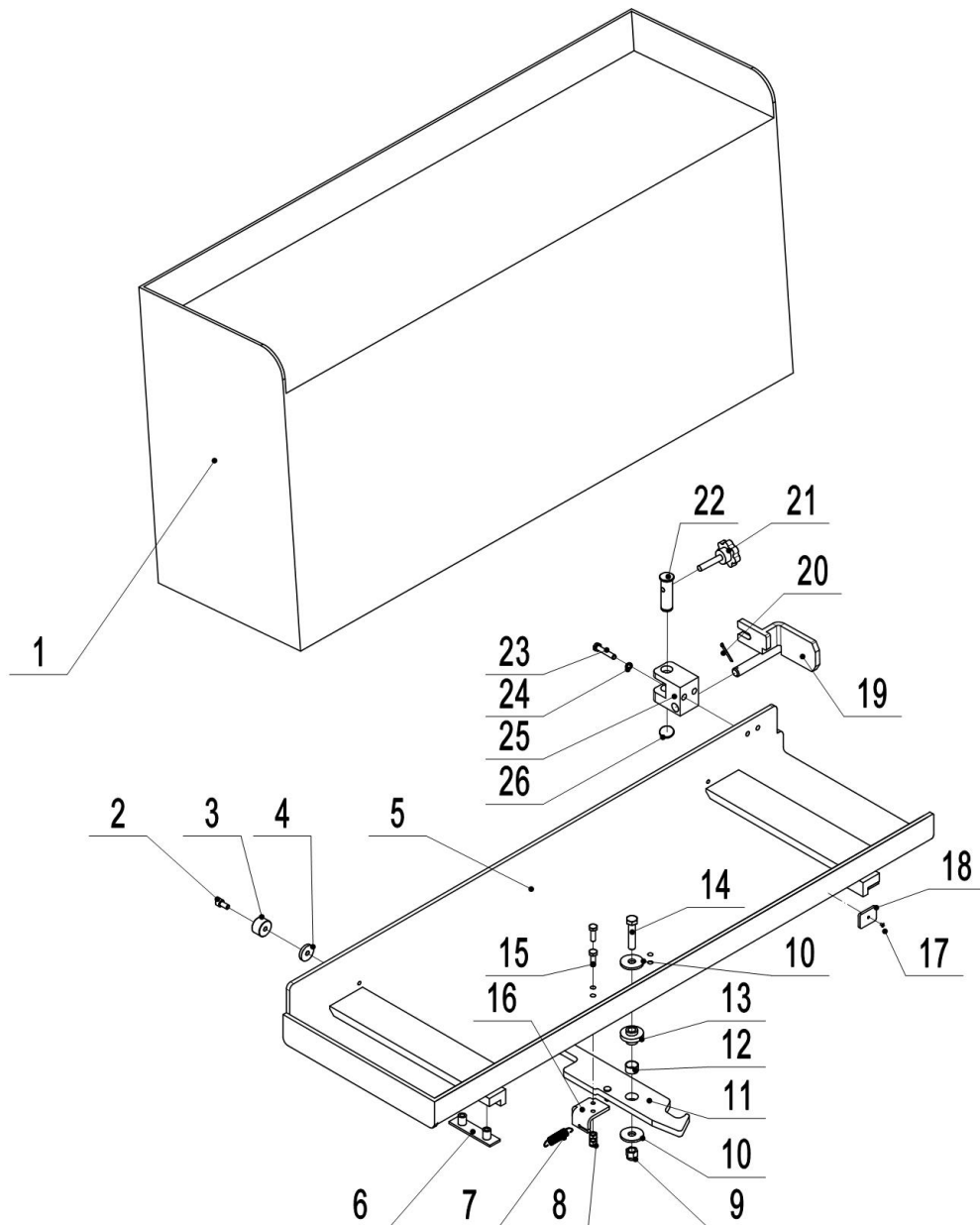
213946036501

## 03 Charger (213946036501)

| No. | Item Code    | Mark | Item Description          | Qty. | Substitute | Note |
|-----|--------------|------|---------------------------|------|------------|------|
| 1   | 920400100066 |      | Connector                 | 1    |            |      |
| 2   | 921000200998 |      | Li-Charger 80V100A (EU)   | 1    |            |      |
| 2   | 921000200999 |      | Li-Charger 80V100A (EU)   | 1    |            |      |
| 2   | 921000201000 |      | Li-Charger 80V100A (Asia) | 1    |            |      |
| 2   | 921000201001 |      | Li-Charger 80V100A (Asia) | 1    |            |      |
| 2   | 921000201002 |      | Li-Charger80V100A(US)     | 1    |            |      |
| 2   | 921000201003 |      | Li-Charger80V100A(US)     | 1    |            |      |
| 2   | 921000201130 |      | Charger 80V100A(Asia-CHN) | 1    |            |      |
| 2   | 921000201131 |      | Charger 80V100A(Asia-CHN) | 1    |            |      |
| 2   | 921000201132 |      | Charger 80V200A(Asia-CHN) | 1    |            |      |
| 2   | 921000201133 |      | Charger 80V200A(Asia-CHN) | 1    |            |      |
| 2   | 921000201134 |      | Charger 80V200A(Asia-ENG) | 1    |            |      |
| 2   | 921000201135 |      | Charger 80V200A(Asia-ENG) | 1    |            |      |
| 2   | 921000201136 |      | Charger 80V200A(EU)       | 1    |            |      |
| 2   | 921000201137 |      | Charger 80V200A(EU)       | 1    |            |      |
| 2   | 921000201138 |      | Charger 80V200A(USA)      | 1    |            |      |
| 2   | 921000201139 |      | Charger 80V200A(USA)      | 1    |            |      |

## Chapter 7: Special Parts

### 01 Battery Holder (213946012501)

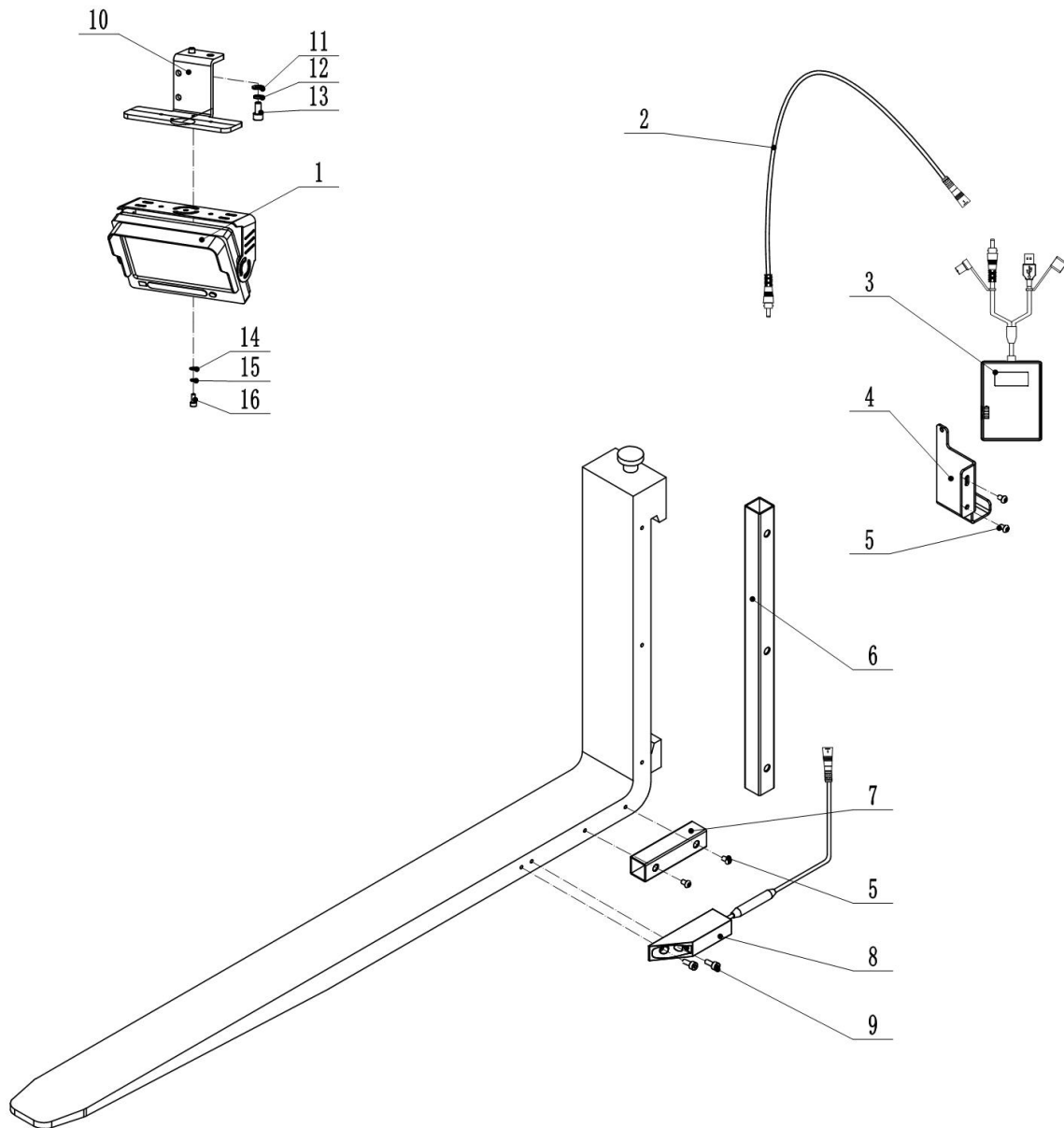


213946012501

## 01 Battery Holder (213946012501)

| No. | Item Code    | Mark | Item Description      | Qty. | Substitute | Note |
|-----|--------------|------|-----------------------|------|------------|------|
| 1   | 920600100834 |      | Li-Battery 76.8V300Ah | 1    |            |      |
| 2   | 910200200057 |      | Screw M8x20           | 2    |            |      |
| 3   | 532621520062 |      | Crash Pad             | 2    |            |      |
| 4   | 213912520003 |      | Washer                | 2    |            |      |
| 5   | 213912510000 |      | Battery Bracket       | 1    |            |      |
| 6   | 255044020131 |      | Subplate              | 4    |            |      |
| 7   | 213012520006 |      | Tension Spring        | 1    |            |      |
| 8   | 910300500004 |      | Nut                   | 2    |            |      |
| 9   | 910300500006 |      | Nut                   | 1    |            |      |
| 10  | 213012520009 |      | Washer                | 2    |            |      |
| 11  | 213112510011 |      | Pothook               | 1    |            |      |
| 12  | 940500100012 |      | Bushing               | 1    |            |      |
| 13  | 213012520008 |      | Shaft Holder          | 1    |            |      |
| 14  | 910100300055 |      | Bolt M12x55           | 1    |            |      |
| 15  | 910100300023 |      | Bolt M8x25            | 2    |            |      |
| 16  | 213012520005 |      | Connecting Plate      | 1    |            |      |
| 17  | 910200400014 |      | Screw M6x8            | 2    |            |      |
| 18  | 255021020068 |      | Crash Pad             | 2    |            |      |
| 19  | 212112510013 |      | Stop Block            | 1    |            |      |
| 20  | 910600600020 |      | Cotter Pin            | 1    |            |      |
| 21  | 213312520018 |      | Handle                | 1    |            |      |
| 22  | 212112520032 |      | Shaft                 | 1    |            |      |
| 23  | 910200200078 |      | Screw M10x35          | 2    |            |      |
| 24  | 910400500007 |      | Spring Washer         | 2    |            |      |
| 25  | 212112520031 |      | Stop Block            | 1    |            |      |
| 26  | 910401300011 |      | Circlip (Shaft)       | 1    |            |      |

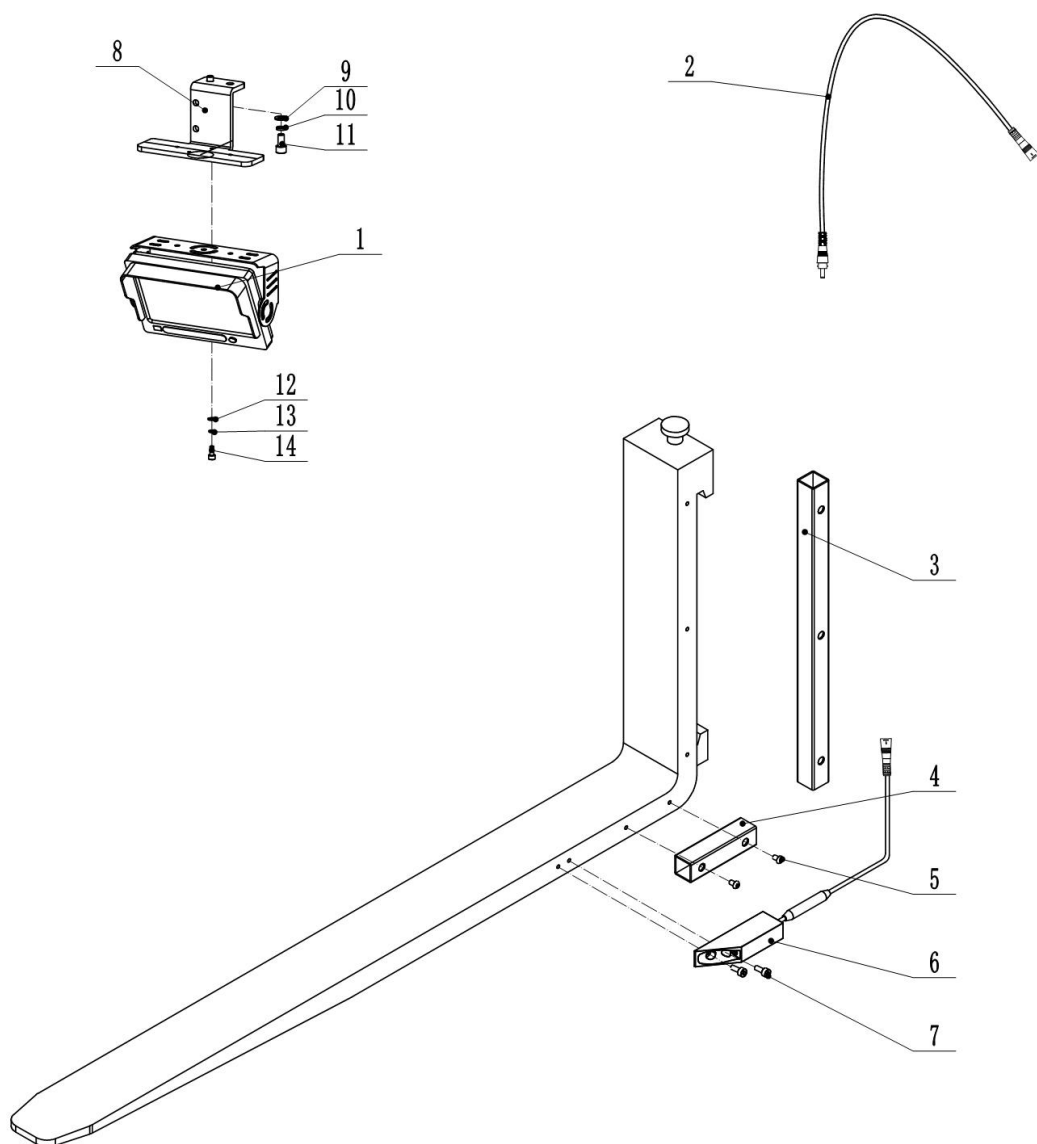
## 02 Monitor (213946036001)



213946036001

## 02 Monitor (213946036001)

| No. | Item Code    | Mark | Item Description        | Qty. | Substitute | Note |
|-----|--------------|------|-------------------------|------|------------|------|
| 1   | 921100100138 |      | Display                 | 1    |            |      |
| 2   | 921500100110 |      | Wire                    | 1    |            |      |
| 3   | 920600100384 |      | Li-Battery 3.7V30000mAh | 1    |            |      |
| 4   | 212136020010 |      | Mounting Plate          | 1    |            |      |
| 5   | 910200300017 | 1    | Screw M6x12             | 7    |            |      |
| 6   | 212136020002 |      | Conduit                 | 1    |            |      |
| 7   | 212136020001 |      | Conduit                 | 1    |            |      |
| 8   | 921100100059 |      | Camera                  | 1    |            |      |
| 9   | 910200200033 | 1    | Screw M6x12             | 2    |            |      |
| 10  | 213922020018 |      | Mounting Plate          | 1    |            |      |
| 11  | 910400100006 | 1    | Flat Washer             | 2    |            |      |
| 12  | 910400500006 | 1    | Spring Washer           | 2    |            |      |
| 13  | 910200200055 | 1    | Screw M8x16             | 2    |            |      |
| 14  | 910400100004 | 1    | Washer                  | 2    |            |      |
| 15  | 910400500004 | 1    | Spring Washer           | 2    |            |      |
| 16  | 910200500038 | 1    | Screw M5x12             | 2    |            |      |

**03 Monitor (Wired power) (213946036002)**

213946036002

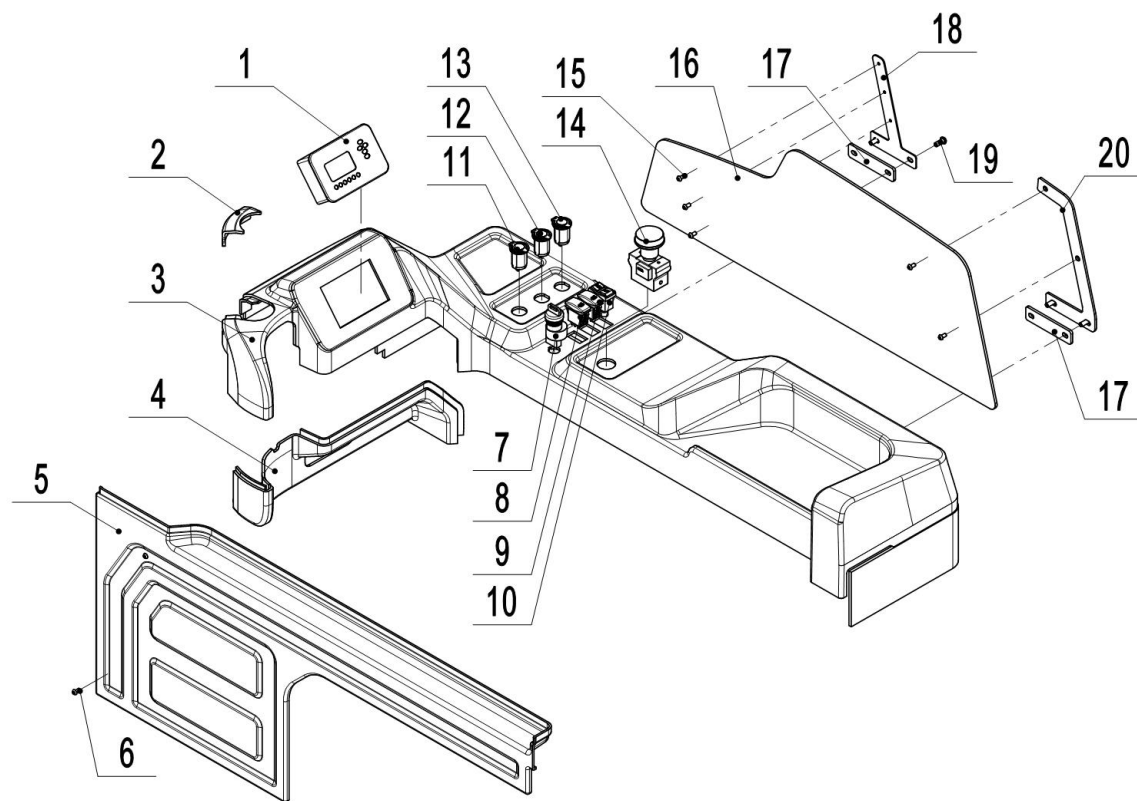
## 03 Monitor (Wired power) (213946036002)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 921100100138 |      | Display          | 1    |            |      |
| 2   | 921500100202 |      | Cable            | 1    |            |      |
| 3   | 212136020002 |      | Conduit          | 1    |            |      |
| 4   | 212136020001 |      | Conduit          | 1    |            |      |
| 5   | 910200300017 |      | Screw M6x12      | 7    |            |      |
| 6   | 921100100117 |      | Camera           | 1    |            |      |
| 7   | 910200200033 |      | Screw M6x12      | 2    |            |      |
| 8   | 213922020018 |      | Mounting Plate   | 1    |            |      |
| 9   | 910400100006 | 1    | Flat Washer      | 2    |            |      |
| 10  | 910400500006 | 1    | Spring Washer    | 2    |            |      |
| 11  | 910200200055 | 1    | Screw M8x16      | 2    |            |      |
| 12  | 910400100004 | 1    | Washer           | 2    |            |      |
| 13  | 910400500004 | 1    | Spring Washer    | 2    |            |      |
| 14  | 910200500038 | 1    | Screw M5x12      | 2    |            |      |



## Chapter 8: Others

### 01 Control Panel (213946010001)



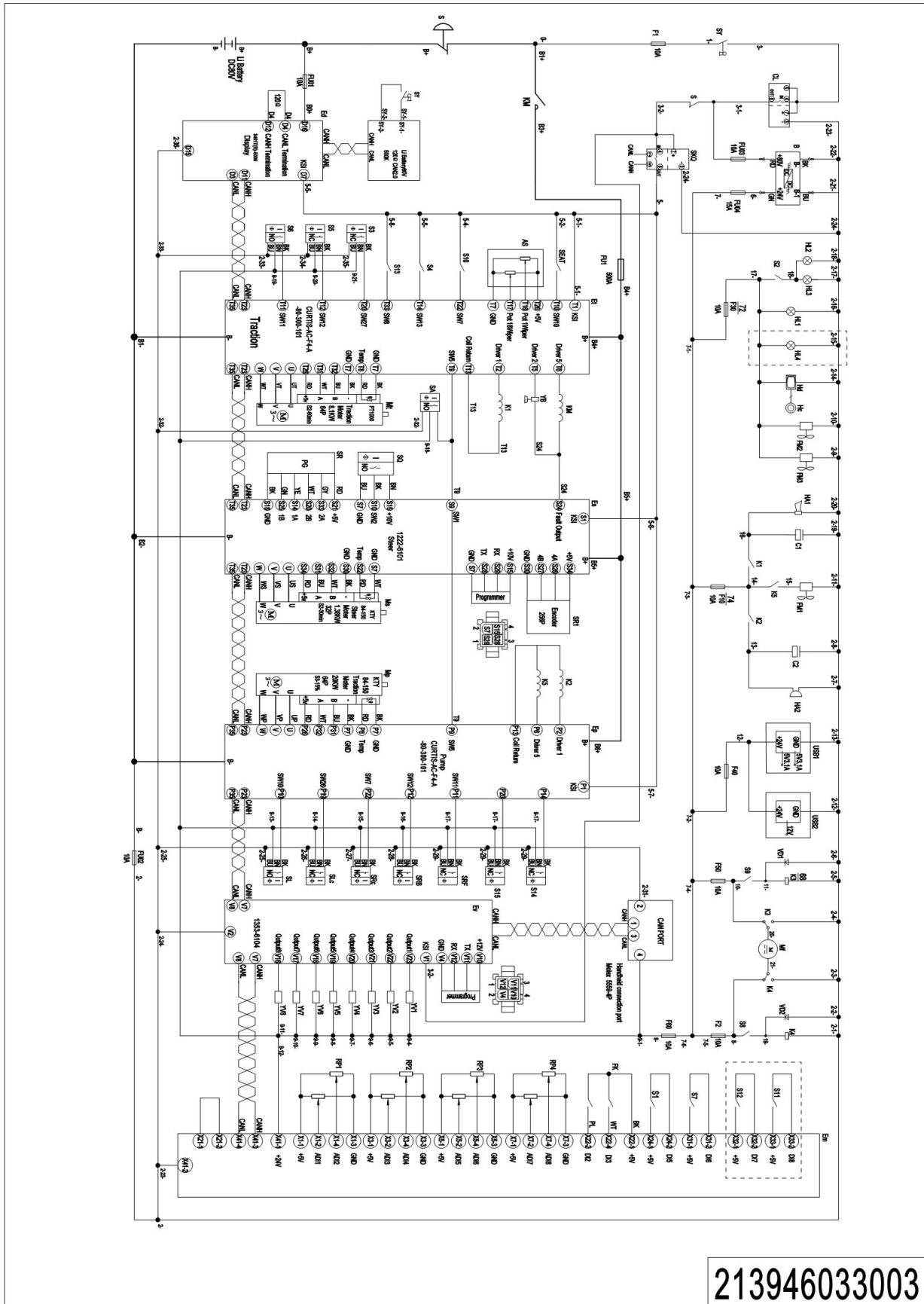
213946010001

## 01 Control Panel (213946010001)

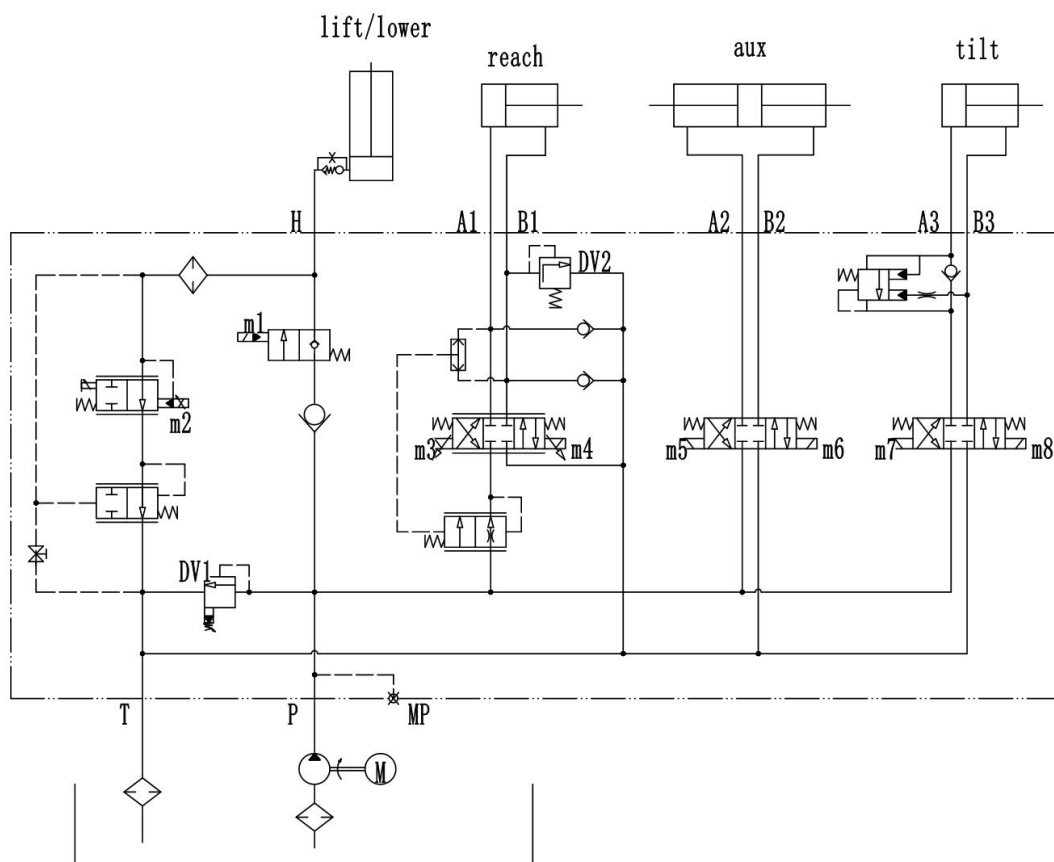
| No. | Item Code        | Mark | Item Description     | Qty. | Substitute | Note    |
|-----|------------------|------|----------------------|------|------------|---------|
| 1   | 921100100063     |      | Display              | 1    |            |         |
| 2   | 212910021003     |      | Close Plate          | 1    |            |         |
| 3   | 212910021000     |      | Cover                | 1    |            |         |
| 4   | 212910021002     |      | Cover                | 1    |            |         |
| 5   | 212910021004     |      | Cover                | 1    |            |         |
| 6   | 910200300017-D02 | 1    | Screw M6x12          | 4    |            |         |
| 7   | 212734001000     |      | Key Switch (Li)      | 1    |            |         |
| 8   | 920200800058     |      | Switch               | 1    |            |         |
| 9   | 920200800048     |      | Rocker Switch        | 1    |            |         |
| 10  | 920200800041     |      | Rocker Switch        | 1    |            | 180/360 |
| 11  | 920200200075     |      | Fingerprint Unlocker | 1    |            |         |
| 12  | 921900100022     |      | Converter            | 1    |            |         |
| 13  | 921900100023     |      | Converter            | 1    |            |         |
| 14  | 920200100001     |      | Emergency Switch     | 1    |            |         |
| 15  | 910200300044-D02 | 1    | Screw M6x8           | 5    |            |         |
| 16  | 213921520070     |      | Mounting Plate       | 1    |            |         |
| 17  | 212722020047     |      | Subplate             | 2    |            |         |
| 18  | 212722020048     |      | Mounting Plate       | 1    |            |         |
| 19  | 910200300024     | 1    | Screw M8x16          | 4    |            |         |
| 20  | 213921520071     |      | Fixed Plate          | 1    |            |         |

## Appendix

### 01 Electrical Circuit Diagram (213946033003)



## 02 Hydraulic Circuit Diagram (213946045501)



213946045501

### 03 Consumable Parts List

| No. | Item Code    | Item Description    | Qty. | Chapter / Section / Number                                                       |
|-----|--------------|---------------------|------|----------------------------------------------------------------------------------|
| 1   | 940300400041 | Drive WheelΦ343x140 | 1    | Chapter 1 / 01 / 11                                                              |
| 2   | 910700200004 | Bearing             | 2    | Chapter 1 / 01 / 25                                                              |
| 3   | 212198510004 | Seal Kit            | 1    | Chapter 2 / 02 / 6.01                                                            |
| 4   | 212198520055 | Filter Element      | 1    | Chapter 2 / 03 / 5.01                                                            |
| 5   | 951000400001 | Filter              | 1    | Chapter 2 / 03 / 09                                                              |
| 6   | 212198510000 | Seal Kit            | 2    | Chapter 2 / 04 / 2.01                                                            |
| 7   | 940200300034 | Compound Roller     | 6    | Chapter 4 / 01 / 02Chapter 4 / 02 / 02<br>Chapter 4 / 03 / 14Chapter 4 / 05 / 19 |
| 8   | 212944520124 | Roller              | 2    | Chapter 4 / 01 / 03                                                              |
| 9   | 212198510002 | Seal Kit            | 2    | Chapter 4 / 01 / 24.01                                                           |
| 10  | 940200300068 | Compound Roller     | 2    | Chapter 4 / 02 / 14                                                              |
| 11  | 940200100045 | Main Roller         | 2    | Chapter 4 / 02 / 17                                                              |
| 12  | 212198510003 | Seal Kit            | 1    | Chapter 4 / 03 / 13.01                                                           |
| 13  | 940200100042 | Main Roller         | 2    | Chapter 4 / 04 / 12                                                              |
| 14  | 940200300042 | Compound Roller     | 4    | Chapter 4 / 04 / 14                                                              |
| 15  | 212133510002 | Proximity Switch    | 1    | Chapter 4 / 04 / 16                                                              |
| 16  | 212133510003 | Proximity Switch    | 1    | Chapter 4 / 04 / 18                                                              |
| 17  | 212133510004 | Proximity Switch    | 1    | Chapter 4 / 04 / 19                                                              |
| 18  | 940200100008 | Main Roller         | 4    | Chapter 4 / 04 / 21                                                              |
| 19  | 940500400013 | Oilless Bearing     | 4    | Chapter 4 / 05 / 12                                                              |
| 20  | 910700200019 | Bearing             | 4    | Chapter 4 / 06 / 03                                                              |
| 21  | 940500100016 | Bushing             | 1    | Chapter 4 / 06 / 17                                                              |
| 22  | 910800100124 | O-Ring              | 26   | Chapter 4 / 06 / 19                                                              |
| 23  | 940500100079 | Bushing             | 20   | Chapter 4 / 06 / 32                                                              |
| 24  | 910800100125 | O-Ring              | 4    | Chapter 4 / 06 / 46                                                              |
| 25  | 910800100061 | O-Ring              | 4    | Chapter 4 / 06 / 63                                                              |
| 26  | 271531511021 | Rotary Damper       | 1    | Chapter 5 / 01 / 09                                                              |
| 27  | 910700200004 | Bearing             | 1    | Chapter 5 / 01 / 12                                                              |
| 25  | 940500200016 | Bushing             | 2    | Chapter 5 / 03 / 03                                                              |
| 28  | 213933010038 | Proximity Switch    | 1    | Chapter 5 / 03 / 08                                                              |
| 29  | 941101000005 | Bearing             | 1    | Chapter 5 / 04 / 07                                                              |
| 30  | 940300300067 | Wheel Φ330x110      | 1    | Chapter 5 / 04 / 08                                                              |

Print Number:

Print Date:

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|    |              |         |   |                     |
|----|--------------|---------|---|---------------------|
| 31 | 920100100014 | Fuse    | 1 | Chapter 6 / 02 / 05 |
| 32 | 940500100012 | Bushing | 1 | Chapter 7 / 01 / 12 |