

Print Number:

Print Date:

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**NOBLELIFT**



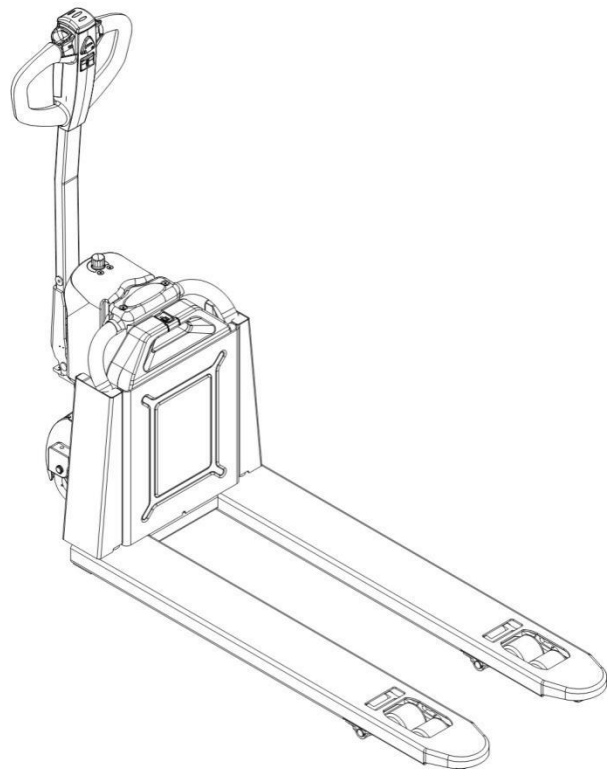
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Service Hotline: 836115

**Electric Pallet Truck PTE15Q**

**PARTS MANUAL**

509946020102



Version: V06

Truck Identification Number From:

Parts Manual

PTE15Q-PM06EN

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.

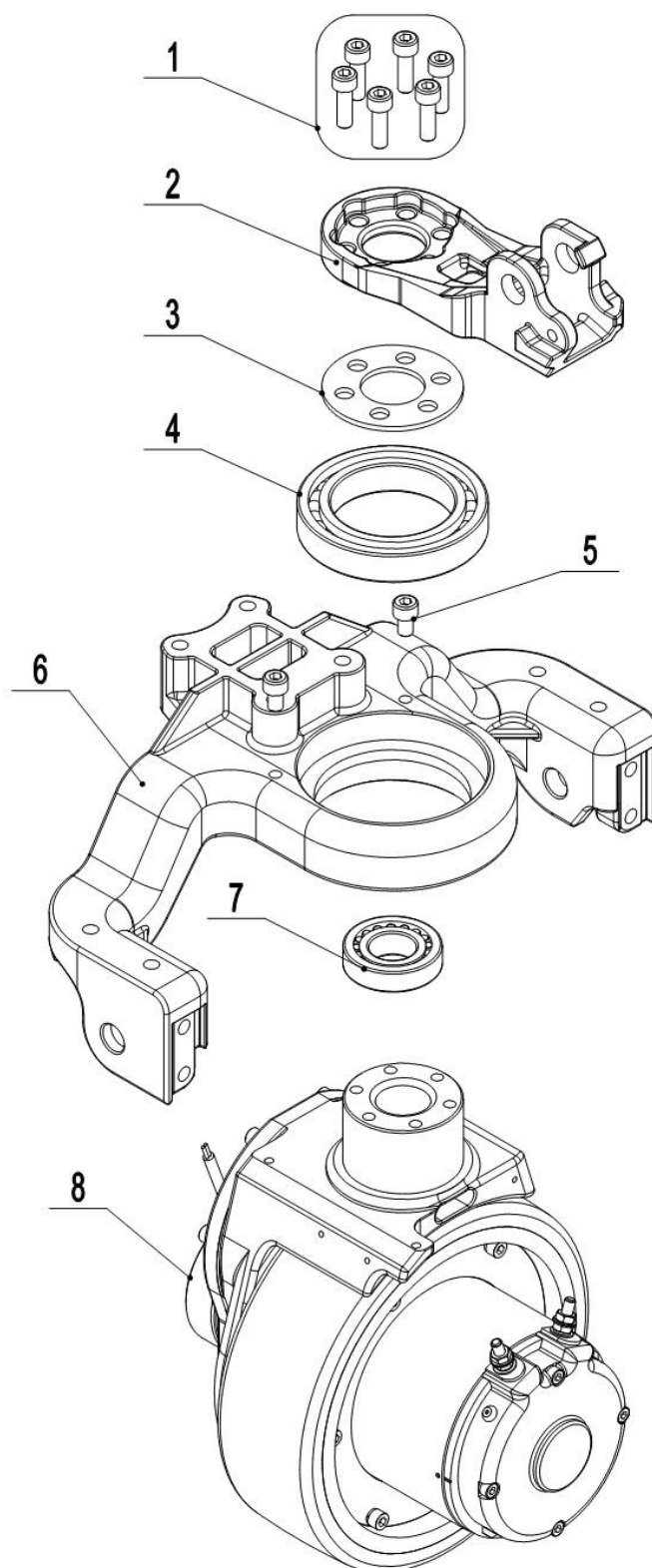
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## Chapter 1: Drive System

### 01 Drive Unit Steering(15Q)(509946013501)



509946013501

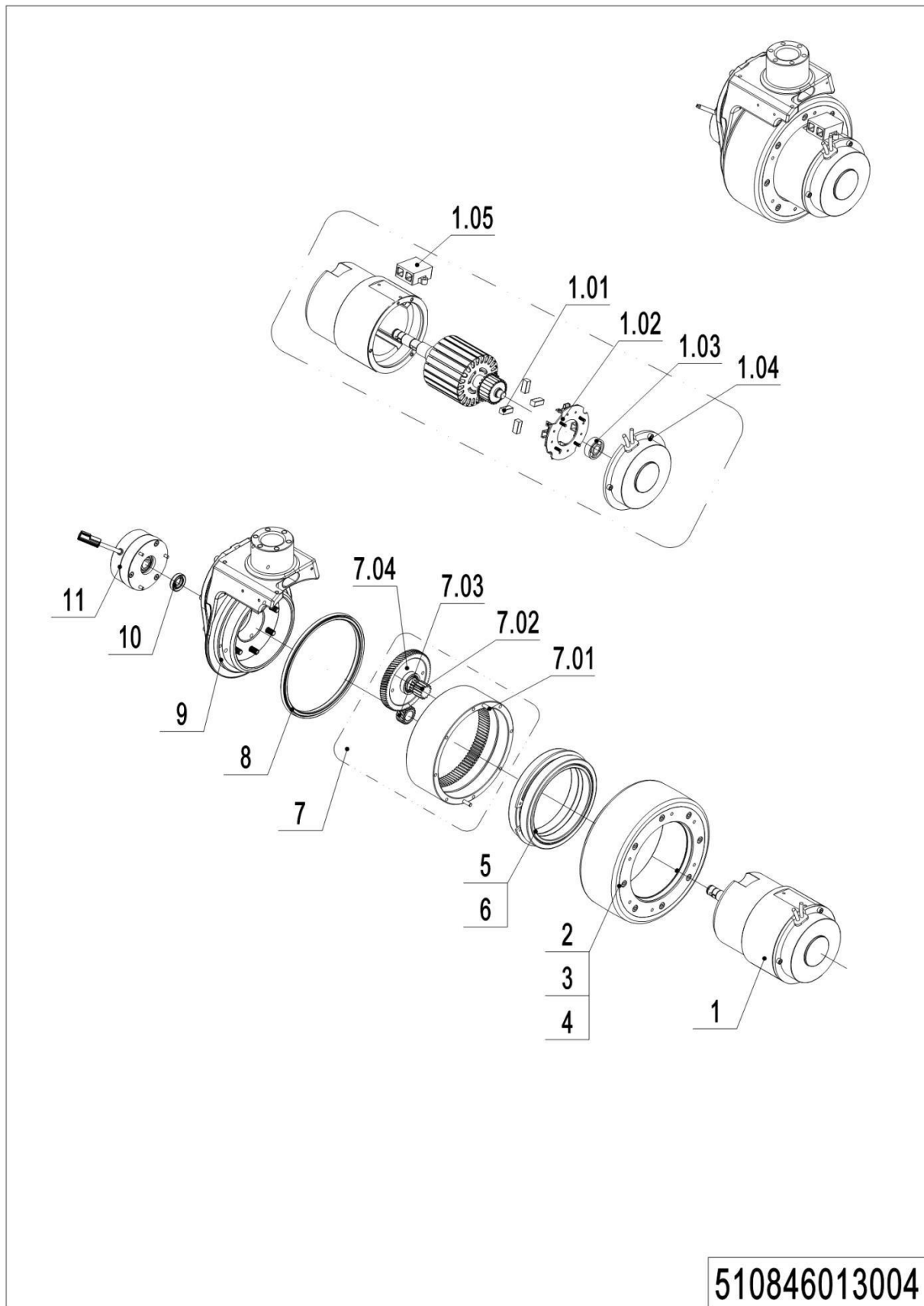
## 01 Drive Unit Steering(15Q)(509946013501)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 910200200058 | 1    | Screw            | 6    |            |      |
| 2   | 509913520004 |      | Flange           | 1    |            |      |
| 3   | 509913520002 |      | Subplate         | 1    |            |      |
| 4   | 910700200058 |      | Bearing          | 1    |            |      |
| 5   | 910200200074 | 1    | Screw            | 2    |            |      |
| 6   | 509913520006 |      | Wheel Mount      | 1    |            |      |
| 7   | 910700600044 |      | Bearing          | 1    |            |      |
| 8   | 940900100029 | 2    | Drive Unit       | 1    |            | 220  |
| 8   | 940900100062 |      | Drive Unit       | 1    |            | 210  |



## 02 Drive Assembly (15Q) (509946013002)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 961002200003 | 2    | Motor            | 1    |            |      |
| 2   | 910600800005 |      | Flat Key         | 2    |            |      |
| 3   | 910401300006 |      | Circlip          | 1    |            |      |
| 4   | 910401300007 |      | Circlip          | 1    |            |      |
| 5   | 961000700006 |      | Gear             | 1    |            |      |
| 6   | 961001300009 |      | Scraper Seal     | 1    |            |      |
| 7   | 910200200140 | 1    | Screw            | 6    |            |      |
| 8   | 910400500018 | 1    | Spring Washer    | 14   |            |      |
| 9   | 961001300010 |      | Wheel            | 1    |            |      |
| 10  | 910700200044 |      | Bearing          | 2    |            |      |
| 11  | 910401400023 |      | Circlip          | 1    |            |      |
| 12  | 961001300008 |      | Gear             | 1    |            |      |
| 13  | 910600100013 |      | Cylindrical Pin  | 2    |            |      |
| 14  | 961001300007 |      | Oil Seal         | 1    |            |      |
| 15  | 961002200001 | 2    | Gearbox          | 1    |            |      |
| 16  | 910200200147 | 1    | Screw            | 5    |            |      |
| 17  | 910400500019 | 1    | Spring Washer    | 5    |            |      |
| 18  | 910600100003 |      | Cylindrical Pin  | 1    |            |      |
| 19  | 961001300002 |      | Gear             | 1    |            |      |
| 20  | 961001300005 |      | Gear Shaft       | 1    |            |      |
| 21  | 910600800006 |      | Flat Key         | 1    |            |      |
| 22  | 910700200057 |      | Bearing          | 1    |            |      |
| 23  | 910401300008 |      | Circlip          | 1    |            |      |
| 24  | 910700200046 |      | Bearing          | 1    |            |      |
| 25  | 961002200002 |      | Cover            | 1    |            |      |
| 26  | 910200200139 | 1    | Screw            | 8    |            |      |
| 27  | 961002200004 |      | Brake            | 1    |            |      |
| 28  | 911200100003 |      | Oil Cup          | 2    |            |      |
| 29  | 910800900010 |      | Bonded Washer    | 2    |            |      |
| 30  | 961000700012 |      | Oil Seal         | 1    |            |      |

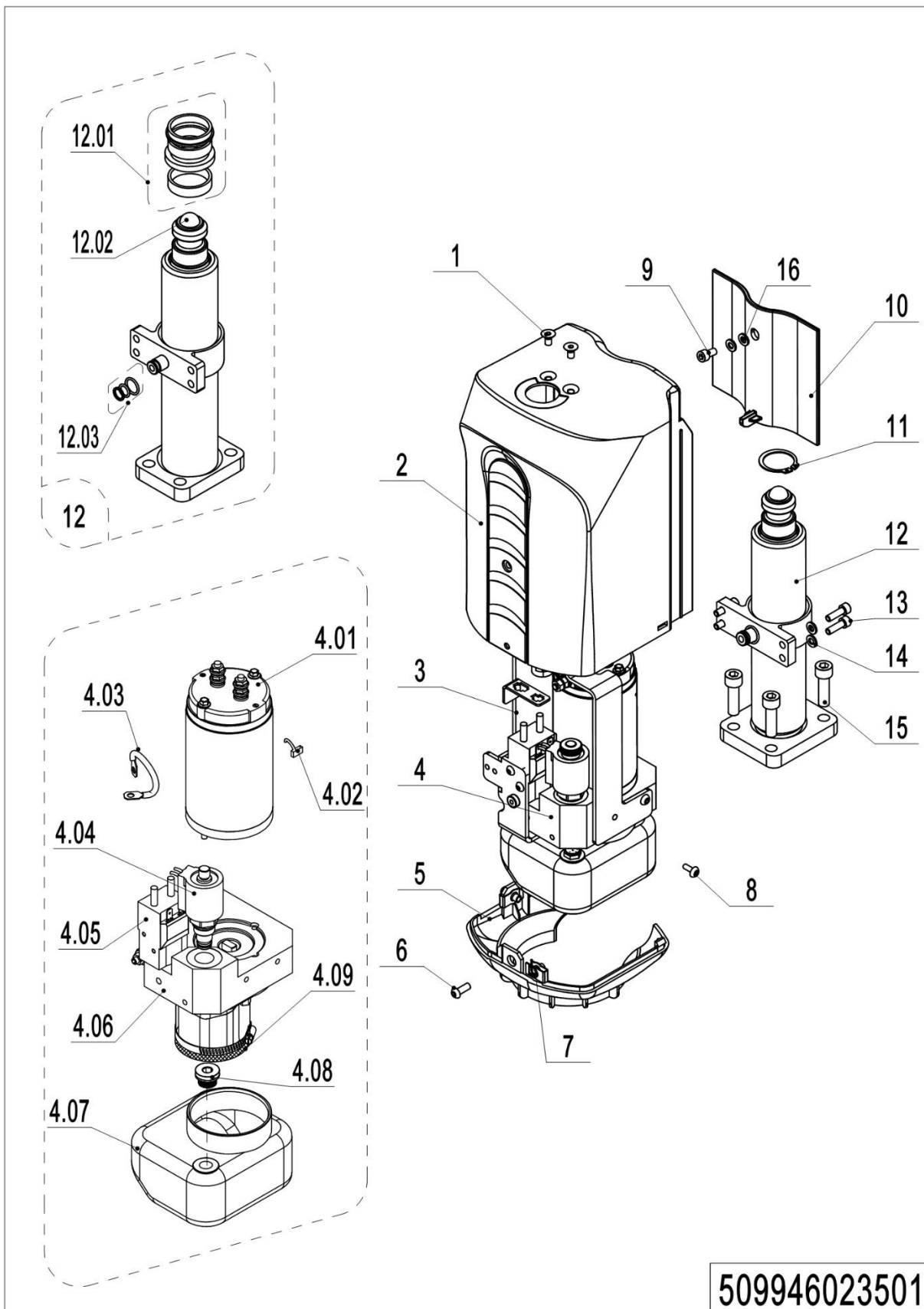
**03 Drive Assembly(15Q)(509946013004)**

## 03 Drive Assembly(15Q)(509946013002)

| No.  | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|------|--------------|------|------------------|------|------------|------|
| 1    | 961004000012 |      | Motor            | 1    |            |      |
| 1.01 | 507798520023 |      | Carbon brush     | 4    |            |      |
| 1.02 | 507798520024 |      | Holder           | 1    |            |      |
| 1.03 | 507798520021 |      | Bearing          | 1    |            |      |
| 1.04 | 507798520022 |      | Cover            | 1    |            |      |
| 1.05 | 509998520112 |      | Box              |      |            |      |
| 2    | 961004000009 |      | Wheel            | 1    |            |      |
| 3    | 961004000011 |      | Oil Seal         | 1    |            |      |
| 4    | 910200200202 |      | Screw            | 8    |            |      |
| 5    | 910700200044 |      | Bearing          | 2    |            |      |
| 6    | 961004000007 |      | Sleeve           | 1    |            |      |
| 7    | 507798510006 |      | Gear             | 1    |            |      |
| 7.01 | 961004000006 |      | Gear             | 1    |            |      |
| 7.02 | 961004000003 |      | Gear Shaft       | 1    |            |      |
| 7.03 | 961004000002 |      | Gear             | 1    |            |      |
| 7.04 | 961004000005 |      | Gear             | 1    |            |      |
| 8    | 961004000010 |      | Oil Seal         | 1    |            |      |
| 9    | 509998510051 |      | Gearbox          | 1    |            |      |
| 10   | 961000700012 |      | Oil Seal         | 1    |            |      |
| 11   | 961002200004 |      | Brake            | 1    |            |      |

## Chapter 2: Hydraulic System

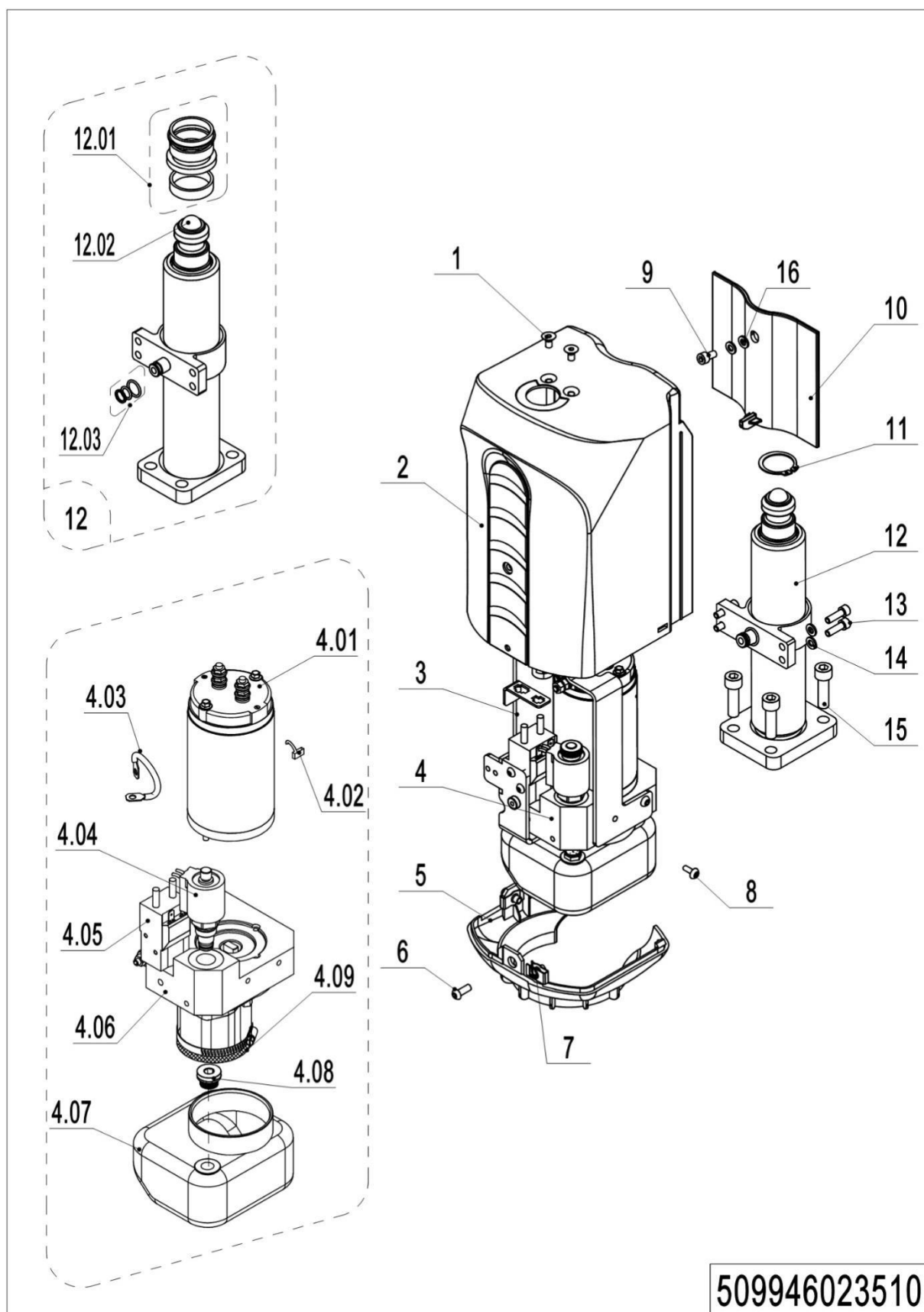
### 01 Hydraulic Components(15Q)(509946023501)



## 01 Hydraulic Components(15Q)(509946023501)

| No.    | Item Code    | Mark | Item Description | Qty. | Substitute | Note  |
|--------|--------------|------|------------------|------|------------|-------|
| 1      | 910200400015 | 1    | Screw            | 2    |            |       |
| 2      | 509924020101 |      | Cover            | 1    |            |       |
| 3      | 509924010004 |      | Mounting Rack    | 1    |            |       |
| 4      | 950900100090 | 2    | Pump Unit        | 1    |            |       |
| 4. 01  | 509998510002 | 2    | Motor            | 1    |            |       |
| 4. 02  | 508098520008 | 2    | Brush            | 1    |            |       |
| 4. 03  | 508098520007 | 2    | Cables           | 1    |            |       |
| 4. 04  | 509998510003 | 2    | Magnetic Valve   | 1    |            |       |
| 4. 05  | 508098510021 | 2    | Switch           | 1    |            |       |
| 4. 06  | 508598510008 | 2    | Gear Pump        | 1    |            |       |
| 4. 07  | 508598510010 | 2    | Tank             | 1    |            |       |
| 4. 08  | 508598510009 | 2    | Cap-Tank         | 1    |            |       |
| 4. 09  | 508598520005 | 2    | Filter           | 1    |            |       |
| 5      | 509924020102 |      | Shield           | 1    |            |       |
| 6      | 910200300017 | 1    | Screw            | 2    |            |       |
| 7      | 940400400005 | 1    | Cage Nut         | 2    |            |       |
| 8      | 910200300018 | 1    | Screw            | 3    |            |       |
| 9      | 910200200176 | 1    | Screw            | 1    |            | black |
| 10     | 509924020103 |      | Cover            | 1    |            |       |
| 11     | 910401300017 |      | Circlip          | 1    |            |       |
| 12     | 509924010000 |      | Cylinder         | 1    |            |       |
| 12. 01 | 508098510018 |      | Seal Kit         | 1    |            |       |
| 12. 02 | 910701100019 |      | Steel Ball       | 1    |            |       |
| 12. 03 | 508598510004 |      | Seal Kit         | 1    |            |       |
| 13     | 910200200036 | 1    | Screw            | 4    |            |       |
| 14     | 910400100005 | 1    | Flat Washer      | 4    |            |       |
| 15     | 910200200075 | 1    | Screw            | 4    |            |       |
| 16     | 910400500005 | 1    | Spring Washer    | 2    |            |       |

## 02 Hydraulic Components (EN1175-2020) (509946038510)

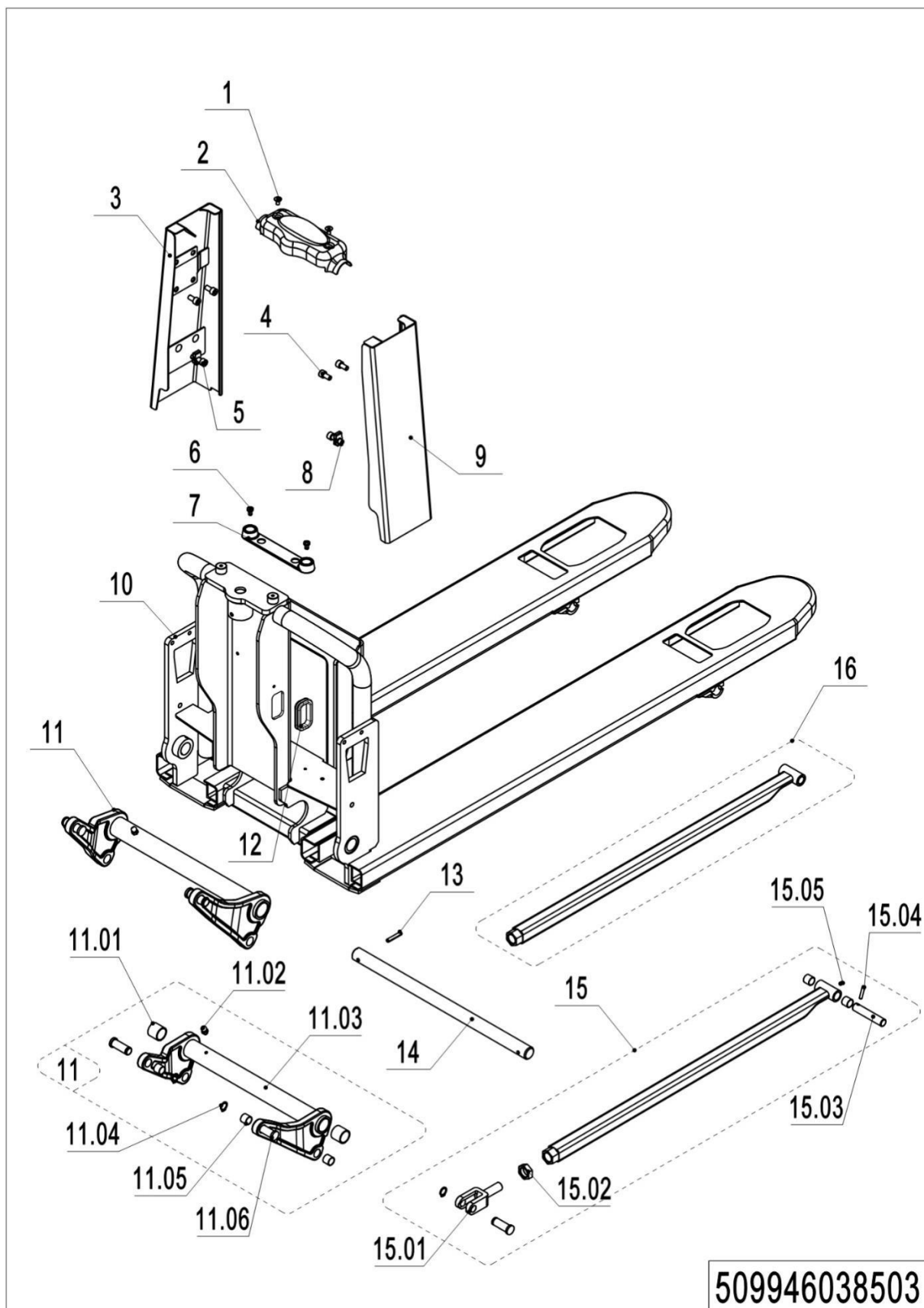


## 02 Hydraulic Components(EN1175-2020)(509946023510)

| No.    | Item Code    | Mark | Item Description | Qty. | Substitute | Note  |
|--------|--------------|------|------------------|------|------------|-------|
| 1      | 910200400015 | 1    | Screw            | 2    |            |       |
| 2      | 509924020101 |      | Cover            | 1    |            |       |
| 3      | 509924010006 |      | Mounting Rack    | 1    |            |       |
| 4      | 950900100090 | 2    | Pump Unit        | 1    |            |       |
| 4. 01  | 509998510002 | 2    | Motor            | 1    |            |       |
| 4. 02  | 508098520008 | 2    | Brush            | 1    |            |       |
| 4. 03  | 508098520007 | 2    | Cables           | 1    |            |       |
| 4. 04  | 509998510003 | 2    | Magnetic Valve   | 1    |            |       |
| 4. 05  | 508098510021 | 2    | Switch           | 1    |            |       |
| 4. 06  | 508598510008 | 2    | Gear Pump        | 1    |            |       |
| 4. 07  | 508598510010 | 2    | Tank             | 1    |            |       |
| 4. 08  | 508598510009 | 2    | Cap-Tank         | 1    |            |       |
| 4. 09  | 508598520005 | 2    | Filter           | 1    |            |       |
| 5      | 509924020102 |      | Shield           | 1    |            |       |
| 6      | 910200300017 | 1    | Screw            | 2    |            |       |
| 7      | 940400400005 | 1    | Cage Nut         | 2    |            |       |
| 8      | 910200300018 | 1    | Screw            | 3    |            |       |
| 9      | 910200200176 | 1    | Screw            | 1    |            | black |
| 10     | 509924020103 |      | Cover            | 1    |            |       |
| 11     | 910401300017 |      | Circlip          | 1    |            |       |
| 12     | 509924010000 |      | Cylinder         | 1    |            |       |
| 12. 01 | 508098510018 |      | Seal Kit         | 1    |            |       |
| 12. 02 | 910701100019 |      | Steel Ball       | 1    |            |       |
| 12. 03 | 508598510004 |      | Seal Kit         | 1    |            |       |
| 13     | 910200200036 | 1    | Screw            | 4    |            |       |
| 14     | 910400100005 | 1    | Flat Washer      | 4    |            |       |
| 15     | 910200200075 | 1    | Screw            | 4    |            |       |
| 16     | 910400500005 | 1    | Spring Washer    | 2    |            |       |

## Chapter 3: Truck Frame

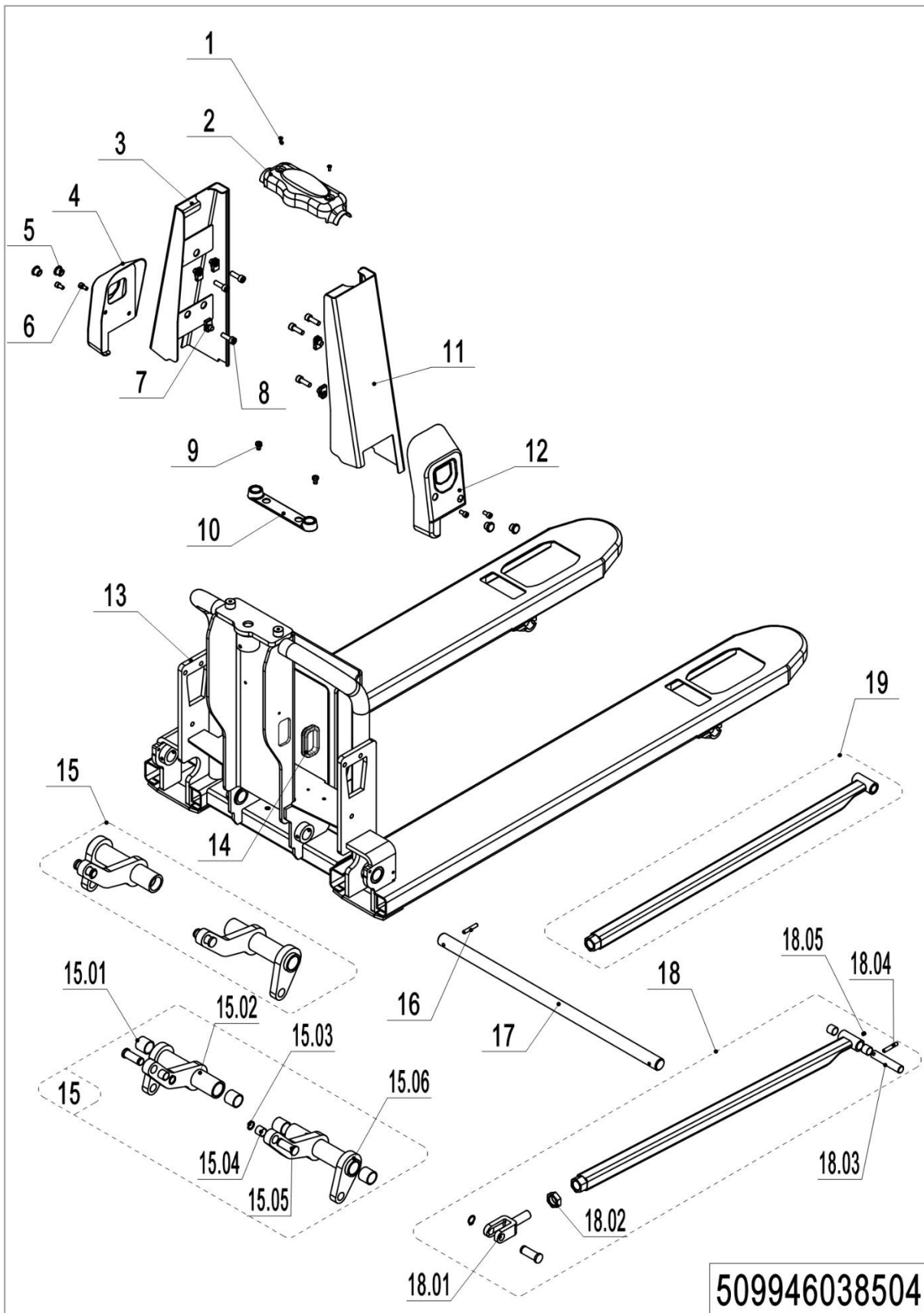
### 01 Truck Frame (509946038503)



## 01 Truck Frame (509946038503)

| No.   | Item Code    | Mark | Item Description    | Qty. | Substitute | Note |
|-------|--------------|------|---------------------|------|------------|------|
| 1     | 910200400015 | 1    | Screw               | 2    |            |      |
| 2     | 509938520100 |      | Cover               | 1    |            |      |
| 3     | 509938510011 |      | Side Plate2         | 1    |            |      |
| 4     | 910200200156 | 1    | Screw               | 4    |            |      |
| 5     | 910200200157 | 1    | Screw               | 2    |            |      |
| 6     | 910200500034 | 1    | Screw               | 2    |            |      |
| 7     | 509938520009 |      | Battery Rack        | 1    |            |      |
| 8     | 940400400002 | 1    | Cage Nut            | 2    |            |      |
| 9     | 509938510010 |      | Side Plate1         | 1    |            |      |
| 10    | 509938510000 | 2    | Chassis (540x1150)  | 1    |            |      |
| 10    | 509938510004 | 2    | Chassis (540x1220)  | 1    |            |      |
| 11    | 509998510029 |      | Rise Arm            | 1    |            |      |
| 11.01 | 940500100097 |      | Bushing             | 2    |            |      |
| 11.02 | 911200100002 |      | Oil Cup             | 1    |            |      |
| 11.03 | 509938510016 |      | Rise Arm(540)       | 1    |            |      |
| 11.04 | 910401300007 |      | Circlip             | 4    |            |      |
| 11.05 | 940500100083 |      | Bushing             | 8    |            |      |
| 11.06 | 502338520026 |      | Pin                 | 4    |            |      |
| 12    | 509938520041 |      | Jacket              | 1    |            |      |
| 13    | 910600400041 |      | Spring Pin          | 1    |            |      |
| 14    | 508038520027 |      | Axle                | 1    |            |      |
| 15    | 509998510030 |      | Push Rod Kit (1150) | 2    |            |      |
| 15    | 509998510031 |      | Push Rod Kit (1220) | 2    |            |      |
| 15.01 | 502338520027 |      | Push Rod Fork       | 2    |            |      |
| 15.02 | 910300400008 | 1    | Nut                 | 2    |            |      |
| 15.03 | 502338520030 |      | Axle                | 2    |            |      |
| 15.04 | 910600500002 |      | Spring Pin          | 2    |            |      |
| 15.05 | 911200100001 |      | Oil Cup             | 2    |            |      |
| 16    | 509938510002 |      | Push Rod (1150)     | 2    |            |      |
| 16    | 509938510003 |      | Push Rod (1220)     | 2    |            |      |

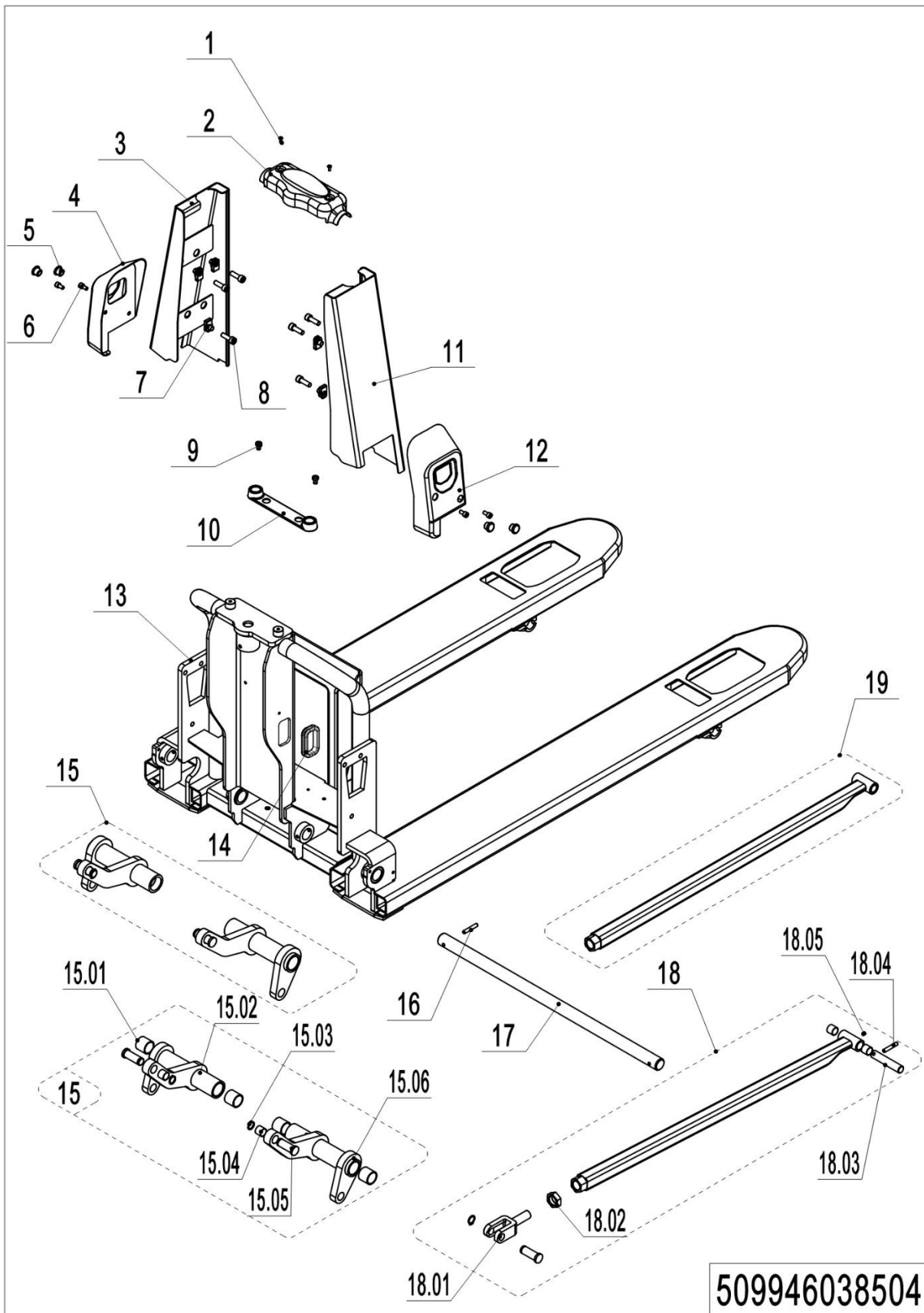
## 02 Truck Frame (509946038504)



## 02 Truck Frame (509946038504)

| No.   | Item Code    | Mark | Item Description       | Qty. | Substitute | Note |
|-------|--------------|------|------------------------|------|------------|------|
| 1     | 910200400015 | 1    | Screw                  | 2    |            |      |
| 2     | 509938520100 |      | Cover                  | 1    |            |      |
| 3     | 509938510013 |      | Side Plate2            | 1    |            |      |
| 4     | 509938510104 |      | Side Cover (left 685)  | 1    |            |      |
| 5     | 509938520103 |      | Rubber Cover           | 4    |            |      |
| 6     | 910200200033 | 1    | Screw                  | 4    |            |      |
| 7     | 940400400002 | 1    | Cage Nut               | 6    |            |      |
| 8     | 910200200157 | 1    | Screw                  | 6    |            |      |
| 9     | 910200500034 | 1    | Screw                  | 2    |            |      |
| 10    | 509938520009 |      | Battery Rack           | 1    |            |      |
| 11    | 509938510012 |      | Side Plate1            | 1    |            |      |
| 12    | 509938510105 |      | Side Cover (right 685) | 1    |            |      |
| 13    | 509938510001 | 2    | Chassis (685x1150)     | 1    |            |      |
| 13    | 509938510005 | 2    | Chassis (685x1220)     | 1    |            |      |
| 14    | 509938520041 |      | Jacket                 | 1    |            |      |
| 15    | 509998510000 |      | Rise Arm               | 1    |            |      |
| 15.01 | 940500100097 |      | Bushing                | 2    |            |      |
| 15.02 | 509938510014 |      | Rise Arm               | 1    |            |      |
| 15.03 | 910401300007 |      | Circlip                | 4    |            |      |
| 15.04 | 940500100083 |      | Bushing                | 8    |            |      |
| 15.05 | 502338520026 |      | Pin                    | 4    |            |      |
| 15.06 | 509938510015 |      | Rise Arm               | 1    |            |      |
| 16    | 910600400041 |      | Spring Pin             | 1    |            |      |
| 17    | 509938520033 |      | Axle                   | 1    |            |      |
| 18    | 509998510030 |      | Push Rod Kit (1150)    | 2    |            |      |
| 18    | 509998510031 |      | Push Rod Kit (1220)    | 2    |            |      |
| 18.01 | 502338520027 |      | Push Rod Fork          | 2    |            |      |
| 18.02 | 910300400008 | 1    | Nut                    | 2    |            |      |
| 18.03 | 502338520030 |      | Axle                   | 2    |            |      |
| 18.04 | 910600500002 |      | Spring Pin             | 2    |            |      |
| 18.05 | 911200100001 |      | Oil Cup                | 2    |            |      |

## 02 Truck Frame (509946038504) Continuation

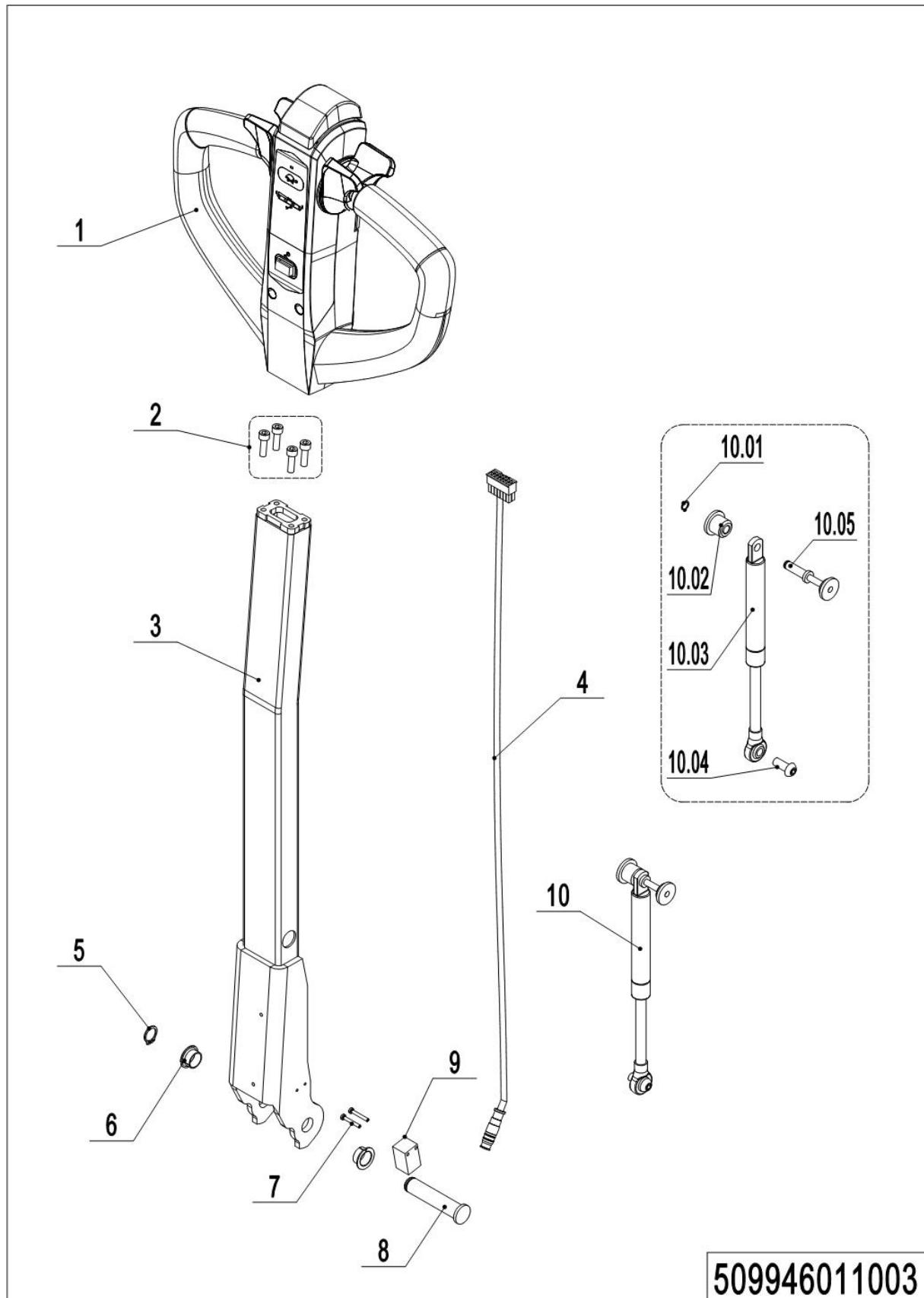


## 02 Truck Frame (509946038504) Continuation

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 19  | 509938510002 |      | Push Rod (1150)  | 1    |            |      |
| 19  | 509938510003 |      | Push Rod (1220)  | 1    |            |      |

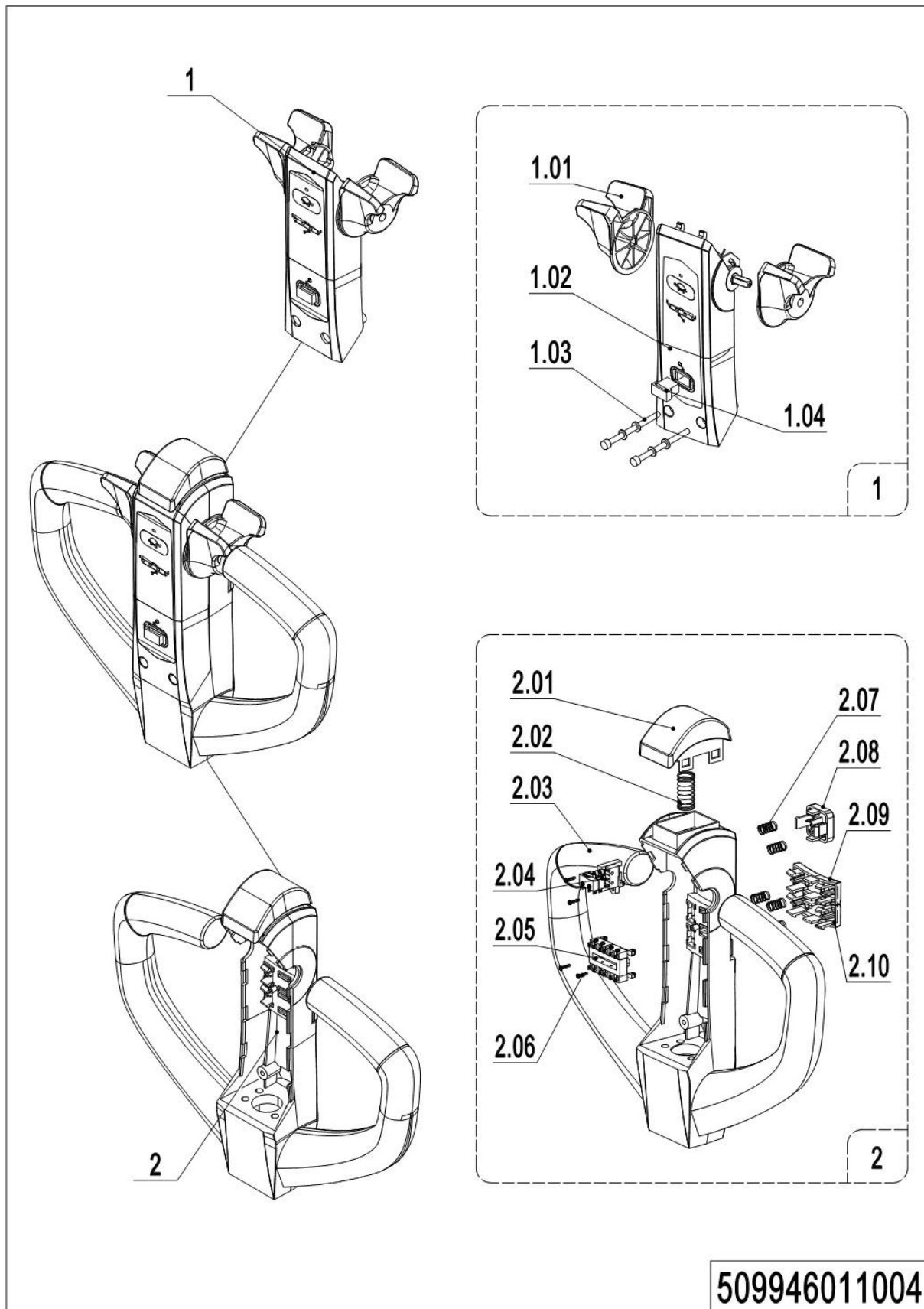
## Chapter 4: Steering System, Braking System, Wheels

### 01 Tiller Unit(509946011003)



## 01 Tiller Unit(509946011003)

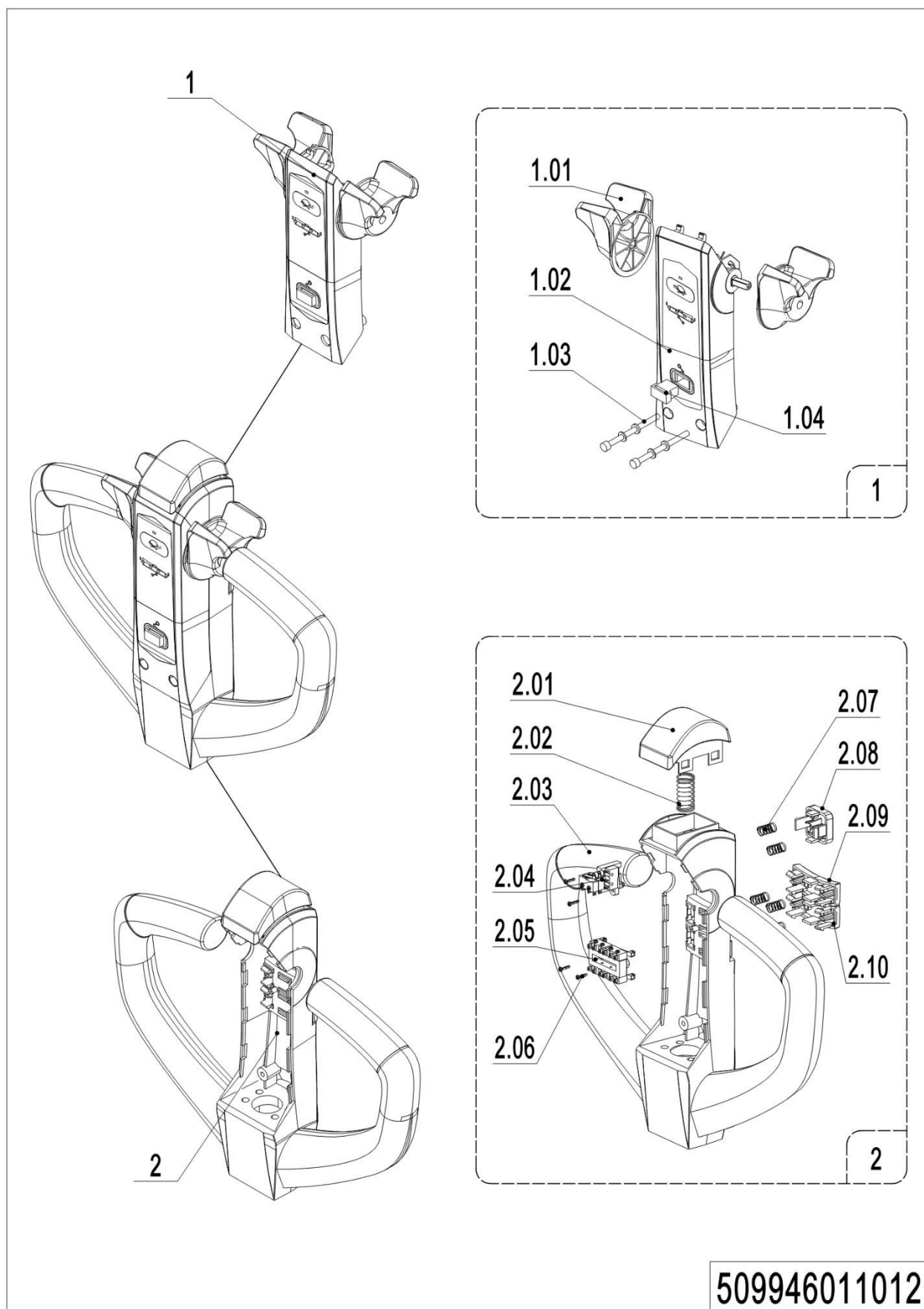
| No.  | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|------|--------------|------|------------------|------|------------|------|
| 1    | 922100100080 | 2    | Control Handle   | 1    |            |      |
| 1    | 922100100124 |      | Control Handle   | 1    |            |      |
| 2    | 910200200036 | 1    | Screw            | 4    |            |      |
| 3    | 509911010002 |      | Tiller           | 1    |            |      |
| 4    | 509933010007 |      | Wire Harness     | 1    |            |      |
| 4    | 509933010045 |      | Wire Harness     | 1    |            |      |
| 5    | 910401300006 |      | Circlip          | 1    |            |      |
| 6    | 940500200001 |      | Bushing          | 2    |            |      |
| 7    | 941101100001 | 1    | Screw            | 2    |            |      |
| 8    | 508011020004 |      | Pin              | 1    |            |      |
| 9    | 920200400027 |      | Proximity Switch | 1    |            |      |
| 10   | 508098510084 |      | Gas Spring Kit   | 1    |            |      |
| 10.1 | 910401300001 |      | Circlip          | 1    |            |      |
| 10.2 | 508011020005 |      | Fixing Base      | 1    |            |      |
| 10.3 | 508011010001 |      | Gas Spring       | 1    |            |      |
| 10.4 | 941100100011 | 1    | Screw            | 1    |            |      |
| 10.5 | 508011010002 |      | Pin              | 1    |            |      |

**02 Tiller(509946011004)**

## 02 Tiller(509946011004)

| No.  | Item Code    | Mark | Item Description    | Qty. | Substitute | Note            |
|------|--------------|------|---------------------|------|------------|-----------------|
| --   | 922100100080 |      | Control Handle      | 1    |            | NL19 (120-7.3)  |
| 1    | 509998510017 | 2    | Handle Cap Kit      | 1    |            |                 |
| 1.01 | 509998520022 |      | Dial Key            | 1    |            |                 |
| 1.02 | 509998520096 |      | Circuit board       | 1    |            |                 |
| 1.03 | 509998520065 |      | Screw               | 2    |            | M5*50           |
| 1.04 | 509998520024 |      | Key                 | 1    |            |                 |
| 2    | 508398510001 |      | Handle Cap Kit      | 1    |            |                 |
| 2.01 | 509998520027 |      | Button Cap          | 1    |            |                 |
| 2.02 | 509998520071 |      | Spring              | 1    |            | φ 1* φ 16*33    |
| 2.03 | 509998520030 | 2    | Spring              | 1    |            |                 |
| 2.04 | 509998520031 |      | Control Handle body | 1    |            |                 |
| 2.05 | 509998520032 |      | Wire Harness        | 1    |            |                 |
| 2.06 | 509998520070 |      | Screw               | 4    |            | ST2. 2*12       |
| 2.07 | 509998520029 |      | Spring              | 6    |            | Ø 0.6* Ø 8.7*16 |
| 2.08 | 509998520033 |      | Button Cap          | 1    |            |                 |
| 2.09 | 509998520034 |      | Button Cap          | 1    |            |                 |
| 2.10 | 509998520035 |      | Button Cap          | 1    |            |                 |

### 03 Tiller(509946011012)



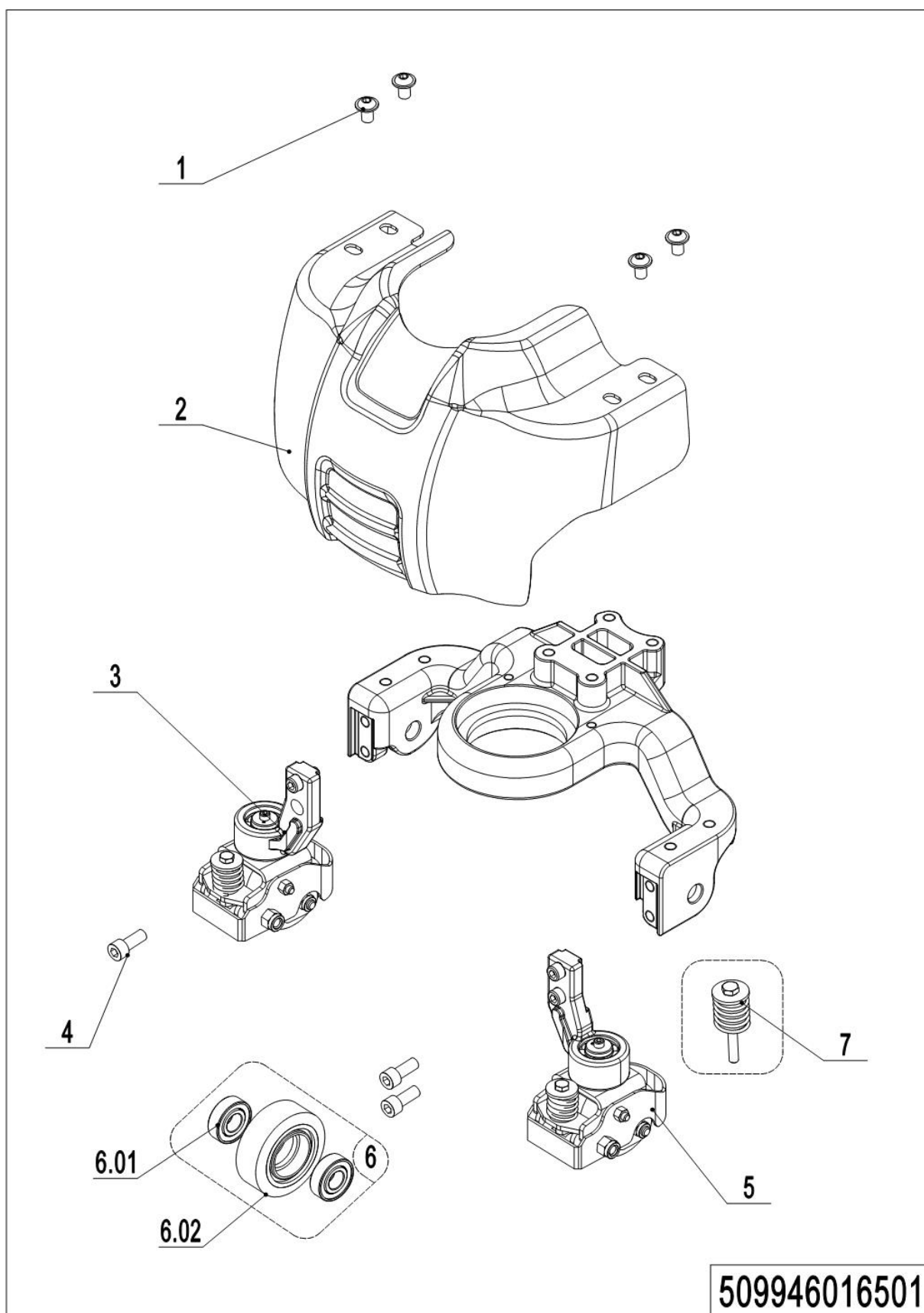
## 03 Tiller(509946011012)

| No.   | Item Code    | Mark | Item Description    | Qty. | Substitute | Note        |
|-------|--------------|------|---------------------|------|------------|-------------|
| --    | 922100100124 |      | Control Handle      | 1    |            | EN1175-2020 |
| 1     | 509998510038 |      | Handle Cap Kit      | 1    |            |             |
| 1. 01 | 509998520022 |      | Dial Key            | 2    |            |             |
| 1. 02 | 509998520108 |      | Circuit board       | 1    |            |             |
| 1. 03 | 509998520065 |      | Screw               | 2    |            |             |
| 1. 04 | 509998520024 |      | Key                 | 1    |            |             |
| 2     | 502598510010 |      | Handle Cap Kit      | 1    |            |             |
| 2. 01 | 509998520027 |      | Button Cap          | 1    |            |             |
| 2. 02 | 509998520071 |      | Spring              | 1    |            |             |
| 2. 03 | 509998520030 |      | Control Handle body | 1    |            |             |
| 2. 04 | 502598520001 |      | Wire Harness        | 1    |            |             |
| 2. 05 | 509998520032 |      | Wire Harness        | 1    |            |             |
| 2. 06 | 509998520033 |      | Button Cap          | 1    |            |             |
| 2. 07 | 509998520034 |      | Button Cap          | 1    |            |             |
| 2. 08 | 509998520035 |      | Button Cap          | 1    |            |             |



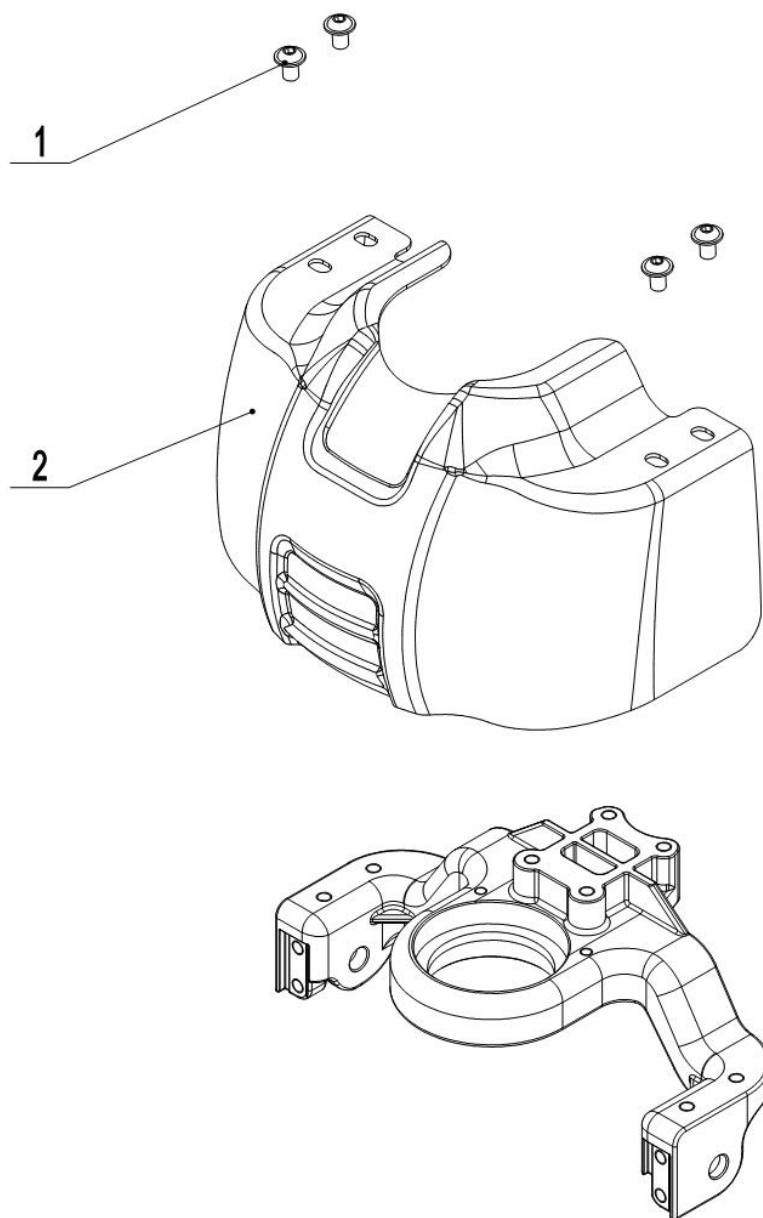
## 04 Load Wheel (Tandem)(509946017001)

| No.  | Item Code    | Mark | Item Description   | Qty. | Substitute | Note           |
|------|--------------|------|--------------------|------|------------|----------------|
| 1    | 509998510004 |      | Wheel              | 2    |            |                |
| 1.01 | 940500200038 |      | Bushing            | 4    |            |                |
| 1.02 | 910600500004 | 1    | Spring Pin         | 8    |            |                |
| 1.03 | 508017020001 |      | Plate              | 4    |            |                |
| 1.04 | 910700200019 |      | Bearing            | 8/4  |            | double /Single |
| 1.05 | 940300300047 |      | Wheel $\Phi$ 80x70 | 4    |            |                |
| 1.06 | 502317020001 |      | Axle               | 4    |            |                |
| 1.07 | 940600500013 |      | Washer             | 8/4  |            | double /Single |
| 1.08 | 940500100088 |      | Bushing            | 4    |            |                |
| 1.09 | 508038520130 |      | Riser              | 2    |            |                |
| 2    | 509998510005 | 2    | Wheel              | 2    |            |                |
| 2.01 | 940300300023 |      | Wheel $\Phi$ 80x93 | 2    |            |                |
| 2.02 | 301017020001 |      | Axle               | 2    |            |                |
| 3    | 502338520033 |      | Roller             | 4    |            |                |
| 4    | 502338520031 |      | Pin                | 2    |            |                |
| 5    | 910600400025 |      | Spring Pin         | 2    |            |                |

**05 Caster (509946016501)**

## 05 Caster (509946016501)

| No.   | Item Code    | Mark | Item Description   | Qty. | Substitute | Note |
|-------|--------------|------|--------------------|------|------------|------|
| 1     | 941100100005 | 1    | Screw              | 4    |            |      |
| 2     | 509916520001 |      | Apron              | 1    |            |      |
| 3     | 508016510002 |      | Caster Assembly    | 1    |            |      |
| 4     | 910200200076 | 1    | Screw              | 4    |            |      |
| 5     | 508016510005 |      | Caster Assembly    | 1    |            |      |
| 6     | 502398510015 | 2    | Load Wheel Kit     | 2    |            |      |
| 6. 01 | 910700200018 |      | Bearing            | 4    |            |      |
| 6. 02 | 940300300017 |      | Wheel $\Phi$ 80x30 | 2    |            |      |
| 7     | 508098510047 |      | Spring Components  | 2    |            |      |

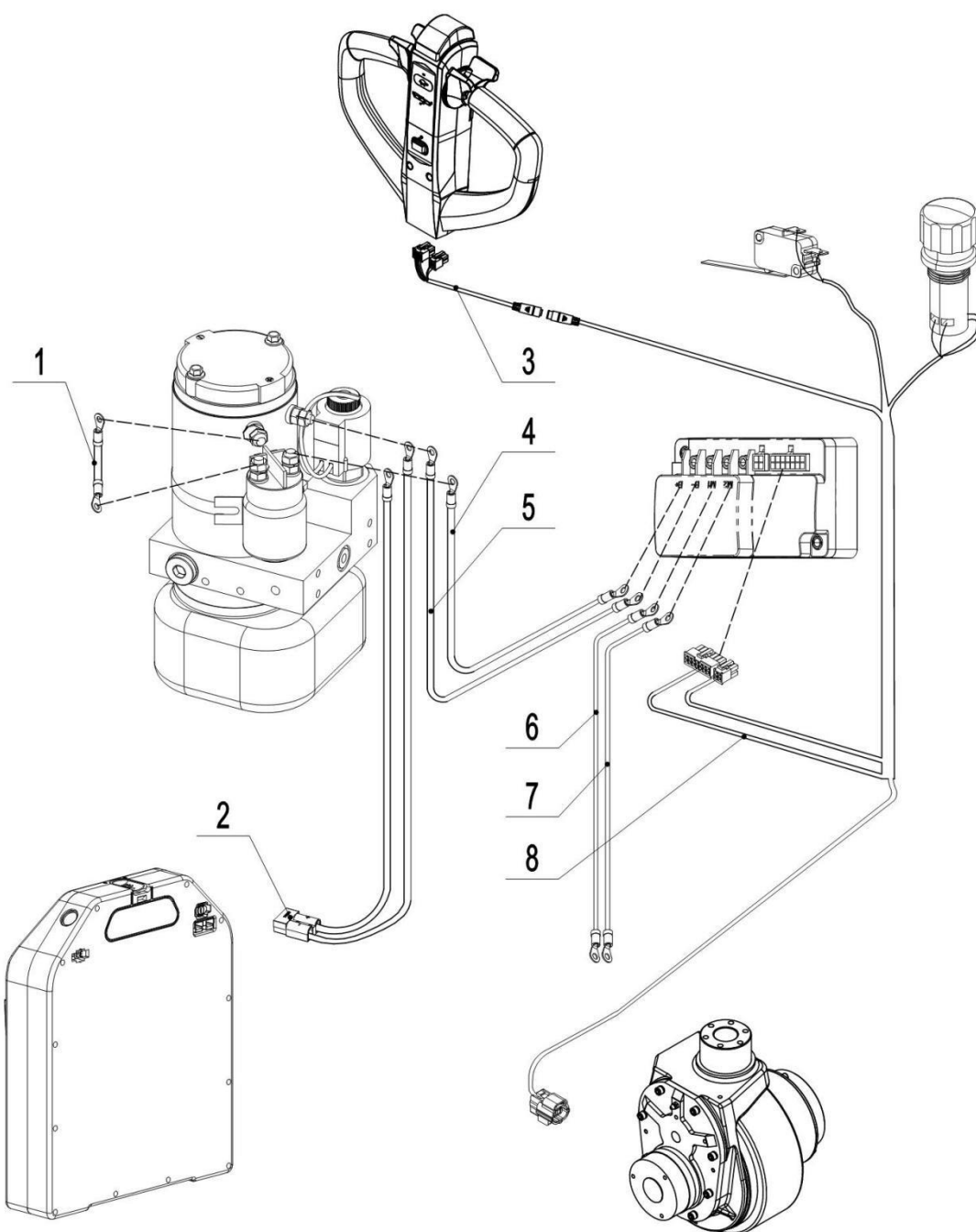
**06 Caster (509946016502)****509946016502**

## 06 Caster (509946016502)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 941100100005 | 1    | Screw            | 4    |            |      |
| 2   | 509916520000 |      | Apron            | 1    |            |      |

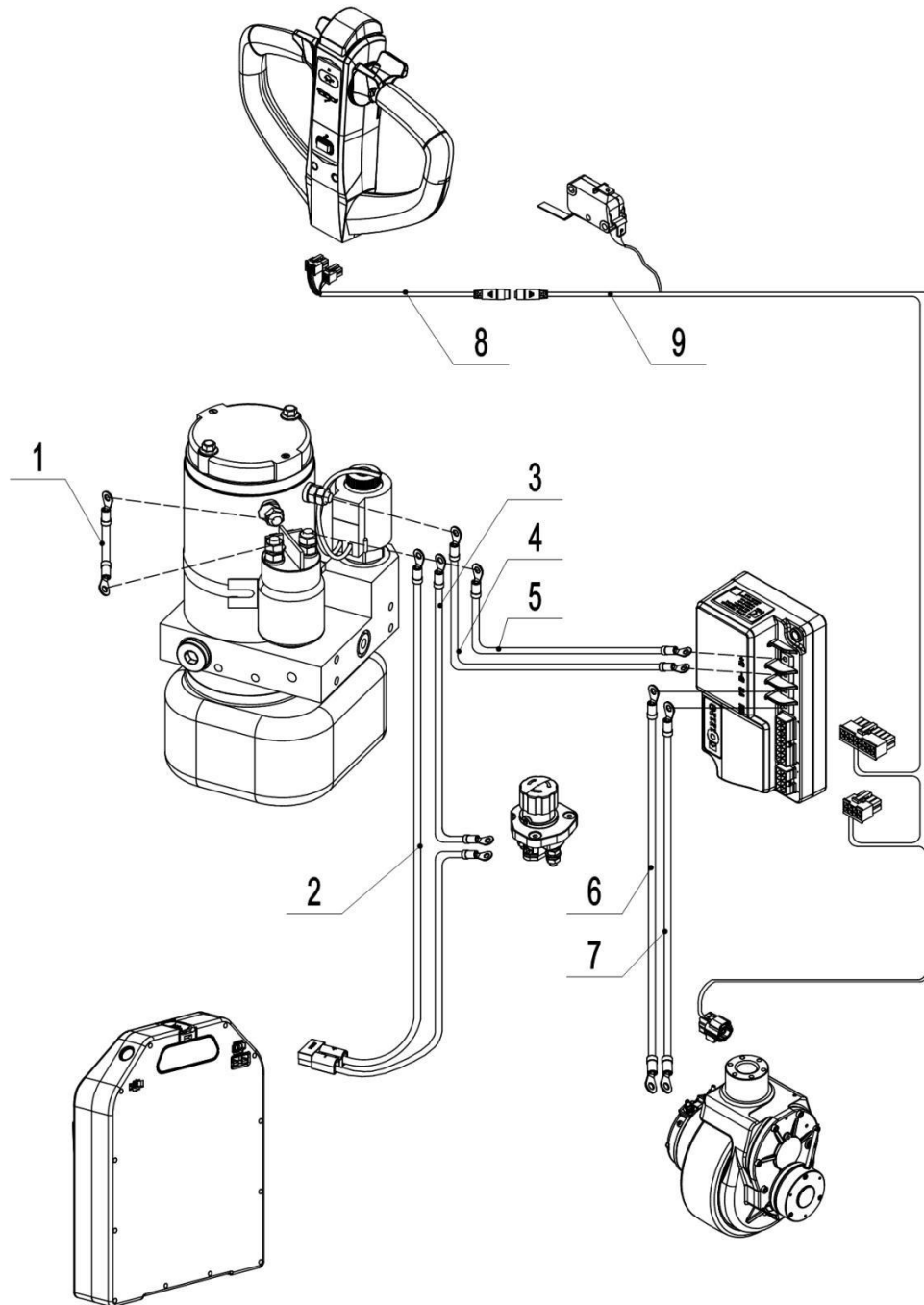
## Chapter 5: Electrical Parts

### 01 Wire Harness (509946033005)

**509946033005**

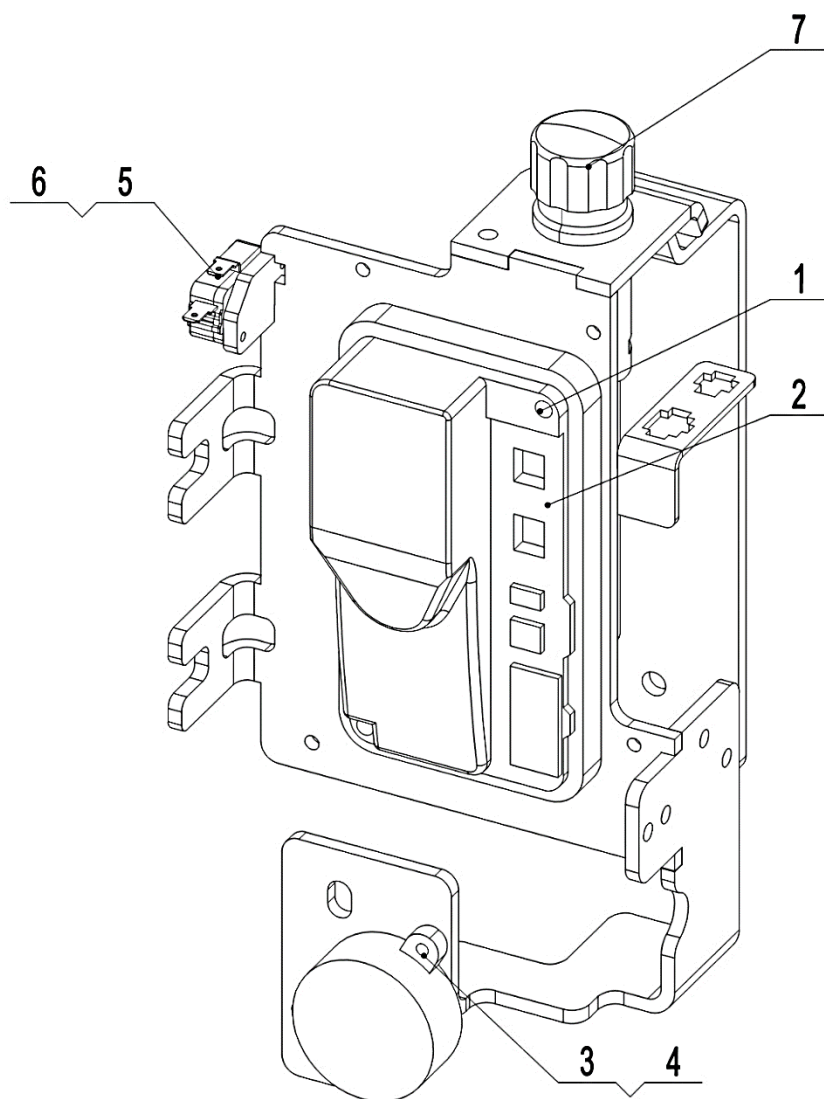
## 01 Wire Harness (509946033005)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 509933010012 |      | Cables           | 1    |            |      |
| 2   | 509933010022 |      | Wire Harness     | 1    |            |      |
| 3   | 509933010007 |      | Wire Harness     | 1    |            |      |
| 4   | 509933010013 |      | Cables           | 1    |            | JC   |
| 5   | 509933010014 |      | Cables           | 1    |            | JC   |
| 6   | 509933010015 |      | Cables           | 1    |            | JC   |
| 7   | 509933010016 |      | Cables           | 1    |            | JC   |
| 8   | 509933010001 |      | Wire Harness     | 1    |            | JC   |

**02 Wire Harness (509946033011)****509946033011**

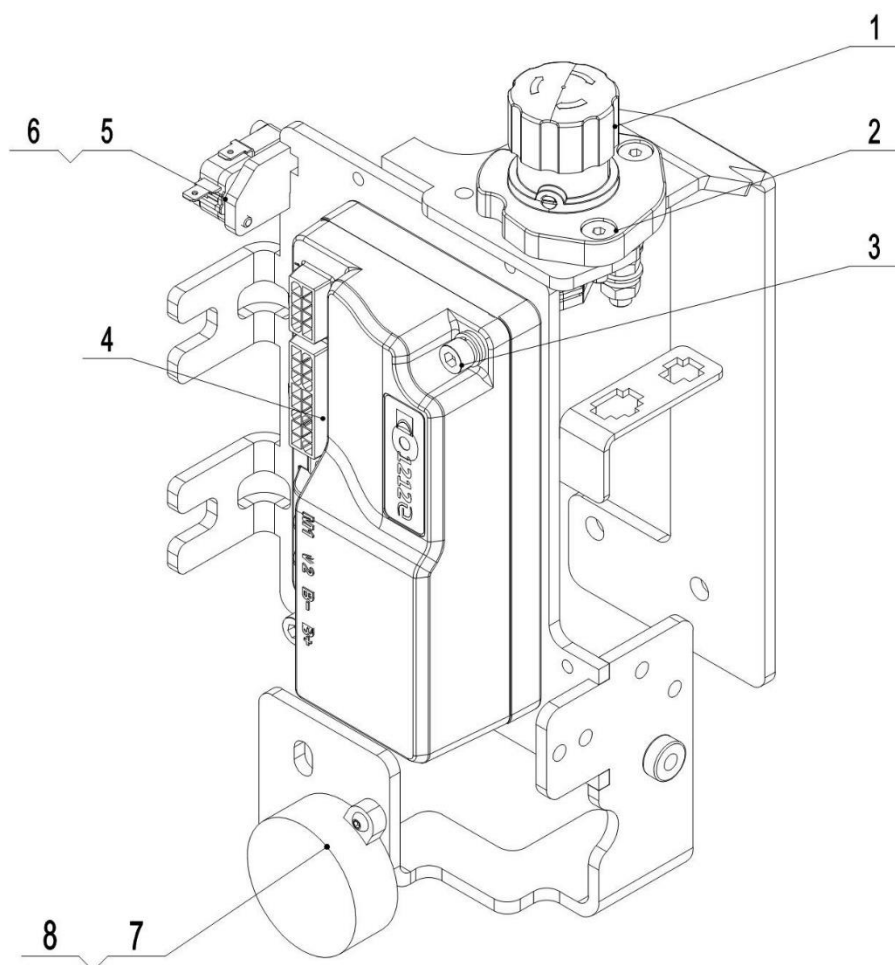
## 02 Wire Harness (509946033011)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 509933010012 |      | Cables           | 1    |            |      |
| 2   | 509933010046 |      | Wire Harness     | 1    |            |      |
| 3   | 508033010033 |      | Wire Harness     | 1    |            |      |
| 4   | 509933010014 |      | Cables           | 1    |            |      |
| 5   | 509933010013 |      | Cables           | 1    |            |      |
| 6   | 509933010015 |      | Cables           | 1    |            |      |
| 7   | 509933010016 |      | Cables           | 1    |            |      |
| 8   | 509933010044 |      | Wire Harness     | 1    |            |      |
| 9   | 509933010045 |      | Wire Harness     | 1    |            |      |

**03 Electronic components (509946033006)****509946033006**

## 03 Controller (509946033006)

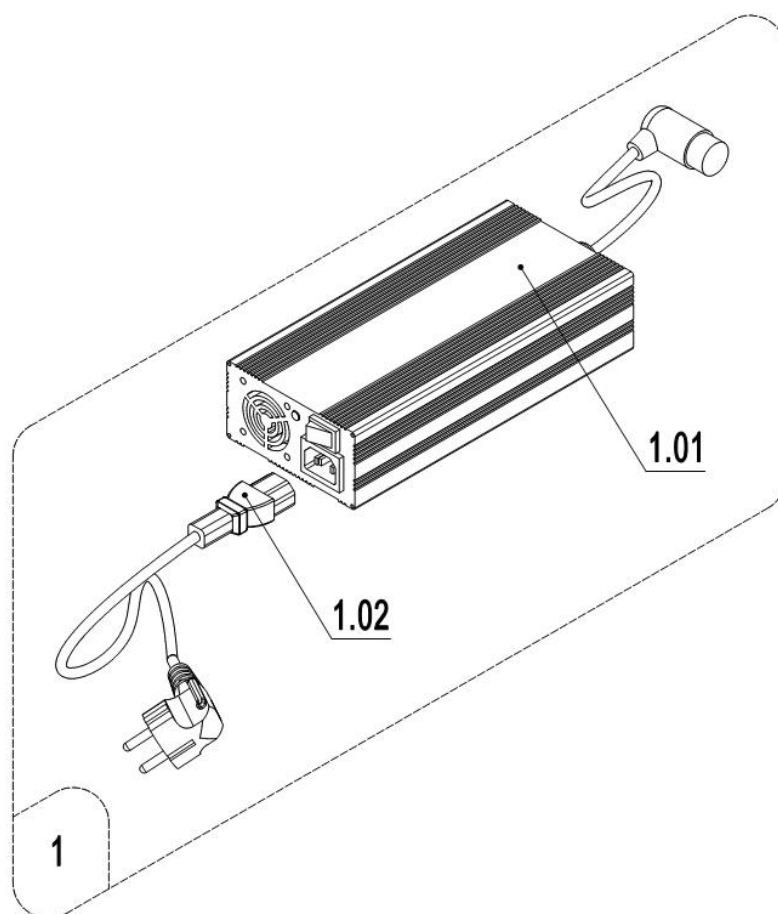
| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 910200200026 | 1    | Screw            | 2    |            |      |
| 2   | 921400100129 |      | Controller       | 1    |            | JC   |
| 3   | 910200300002 | 1    | Screw            | 2    |            |      |
| 4   | 920500100003 |      | Horn             | 1    |            |      |
| 5   | 910200200004 | 1    | Screw            | 2    |            |      |
| 6   | 920200300012 |      | Microswitch      | 1    |            |      |
| 7   | 920200100015 |      | Emergency Button | 1    |            |      |

**04 Electronic components (509946033012)****509946033012**

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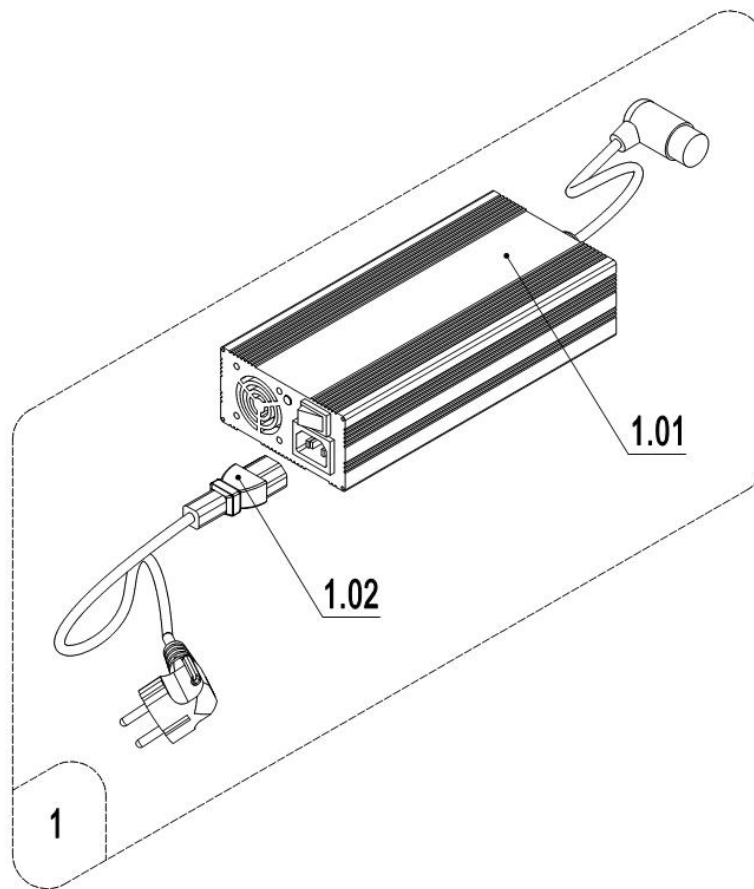
**04 Controller (509946033012)**

| <b>No.</b> | <b>Item Code</b> | <b>Mark</b> | <b>Item Description</b> | <b>Qty.</b> | <b>Substitute</b> | <b>Note</b> |
|------------|------------------|-------------|-------------------------|-------------|-------------------|-------------|
| 1          | 920200100027     |             | Emergency Button        | 1           |                   |             |
| 2          | 910200400010     |             | Screw                   | 2           |                   |             |
| 3          | 910200200025     |             | Screw                   | 2           |                   |             |
| 4          | 921400100174     |             | Controller              | 1           |                   |             |
| 5          | 910200200004     |             | Screw                   | 2           |                   |             |
| 6          | 920200300012     |             | Microswitch             | 1           |                   |             |
| 7          | 509998520062     |             | buzzer                  | 1           |                   |             |
| 8          | 910200300002     |             | Screw                   | 2           |                   |             |

**05 Charger (509946036501)****508046036501**

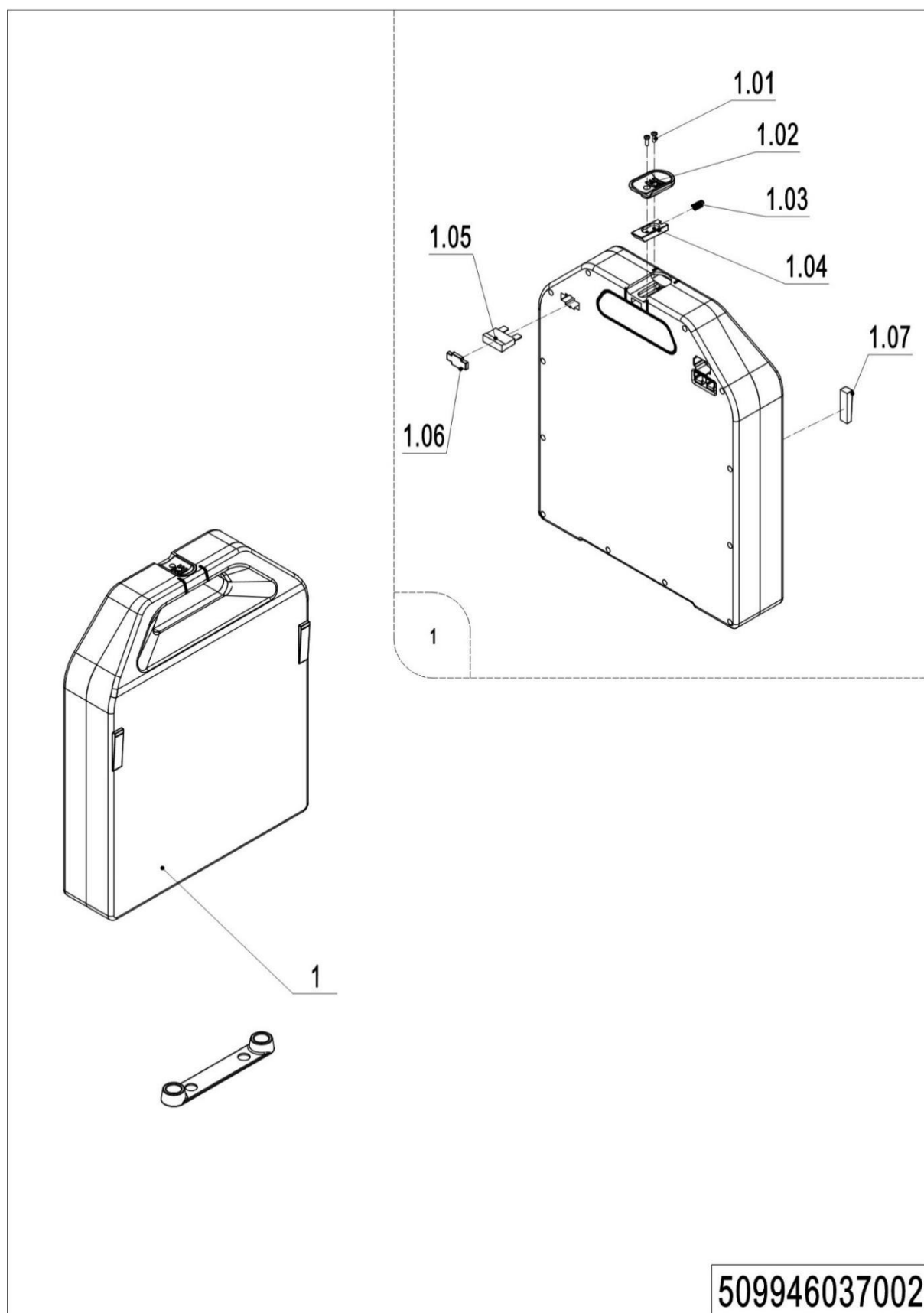
## 05 Charger (509946036501)

| No.   | Item Code    | Mark | Item Description         | Qty. | Substitute | Note         |
|-------|--------------|------|--------------------------|------|------------|--------------|
| 1     | 921000200353 |      | Charger 24V8A (Aisa-CHN) | 1    |            | SS           |
| 1     | 921000200464 |      | Charger 24V8A (Aisa-ENG) | 1    |            | SS           |
| 1     | 508036510002 |      | Charger24V8A (ENG)       | 1    |            | SS           |
| 1     | 508036510003 |      | Charger24V8A ( (US, JAP) | 1    |            | SS           |
| 1     | 508036510004 |      | Charger24V8A (EU)        | 1    |            | SS           |
| 1     | 508036510005 |      | Charger24V8A (AUS)       | 1    |            | SS           |
| 1     | 508036510006 |      | Charger24V8A (ITA)       | 1    |            | SS           |
| 1     | 508036510007 |      | Charger24V8A (CH)        | 1    |            | SS           |
| 1     | 508036510008 |      | Charger24V8A (ISR)       | 1    |            | SS           |
| 1     | 508036510009 |      | Charger24V8A (BRA)       | 1    |            | SS           |
| 1     | 508036510010 |      | Charger24V8A (ARG)       | 1    |            | SS           |
| 1     | 508036510033 |      | Charger24V8A (IND)       | 1    |            | SS           |
| 1     | 508036510036 |      | Charger24V8A (ZA)        | 1    |            | South Africa |
| 1     | 508036510040 |      | Charger24V8A (US)        | 1    |            | QQE          |
| 1     | 921000200463 |      | Charger 24V5A (Aisa-ENG) | 1    |            | SS           |
| 1     | 508036510053 |      | Charger24V12A (Asia)     | 1    |            | TL           |
| 1     | 508036510054 |      | charger24V12A (ENG)      | 1    |            | TL           |
| 1     | 508036510055 |      | charger24V12A (US)       | 1    |            | TL           |
| 1     | 508036510056 |      | charger24V12A (EU)       | 1    |            | TL           |
| 1     | 508036510057 |      | charger24V12A (AUS)      | 1    |            | TL           |
| 1     | 508036510058 |      | charger24V12A (ITA)      | 1    |            | TL           |
| 1     | 508036510059 |      | charger24V12A (CH)       | 1    |            | TL           |
| 1     | 508036510060 |      | charger24V12A (ISR)      | 1    |            | TL           |
| 1     | 508036510061 |      | charger24V12A (BRA)      | 1    |            | TL           |
| 1     | 508036510062 |      | charger24V12A (ARG)      | 1    |            | TL           |
| 1. 01 | 921000200590 |      | Charger24V12A            | 1    |            | TL           |

**05 Charger (509946036501) Continuation****508046036501**

## 05 Charger Continuation (509946036501)

| No.   | Item Code    | Mark | Item Description         | Qty. | Substitute | Note         |
|-------|--------------|------|--------------------------|------|------------|--------------|
| 1. 01 | 508036510025 |      | Charger24V5A (EU)        | 1    |            | SS           |
| 1. 01 | 921000200464 |      | Charger 24V8A (Aisa-ENG) | 1    |            | SS           |
| 1. 01 | 921000200355 |      | Charger 24V8A            | 1    |            | SS (CE)      |
| 1. 01 | 921000200354 |      | Charger 24V8A            | 1    |            | SS           |
| 1. 01 | 921000200466 |      | Charger 24V8A            | 1    |            | QQE          |
| 1. 01 | 921000200351 |      | Charger 24V5A (Aisa-CHN) | 1    |            | SS           |
| 1. 01 | 921000200463 |      | Charger 24V5A (Aisa-ENG) | 1    |            | SS           |
| 1. 01 | 921000200418 |      | Charger 24V5A (EU)       | 1    |            | SS           |
| 1. 01 | 921500200050 |      | Power Cord (ARG)         | 1    |            |              |
| 1. 01 | 921500200024 |      | Power Cord (AUS)         | 1    |            |              |
| 1. 01 | 921500200049 |      | Power Cord (BRA)         | 1    |            |              |
| 1. 01 | 921500200023 |      | Power Cord (USA)         | 1    |            |              |
| 1. 01 | 921500200022 |      | Power Cord (EU)          | 1    |            |              |
| 1. 02 | 921500200026 |      | Power Cord (CH)          | 1    |            |              |
| 1. 02 | 921500200028 |      | Power Cord (ISR)         | 1    |            |              |
| 1. 02 | 921500200025 |      | Power Cord (ITA)         | 1    |            |              |
| 1. 02 | 921500200047 |      | Power Cord (ENG)         | 1    |            |              |
| 1. 02 | 921500200027 |      | Power Cord (ENG)         | 1    |            |              |
| 1. 02 | 921500200038 |      | Power Cord (ZA)          | 1    |            | South Africa |

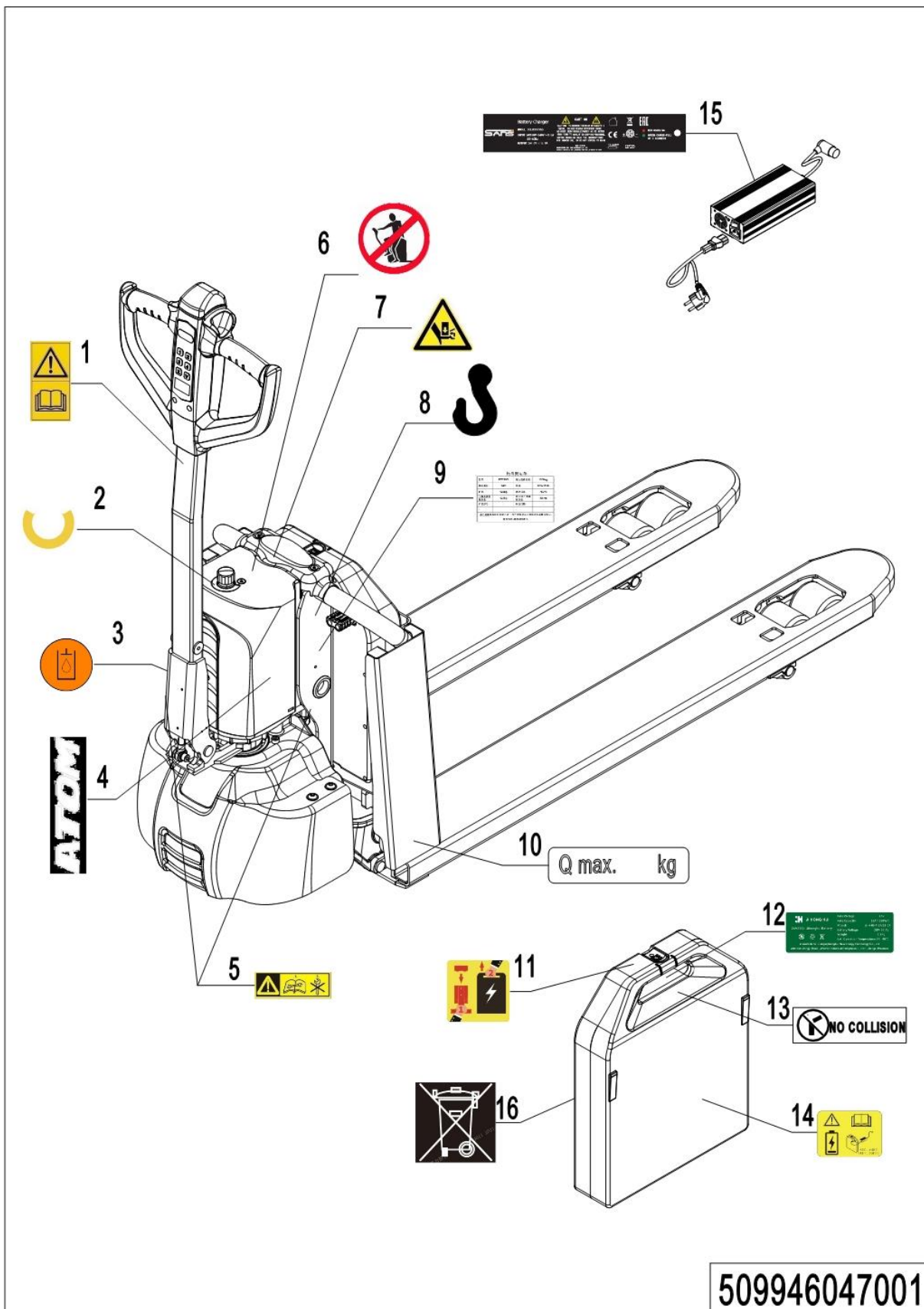
**06 Traction Battery (509946037002)**

## 06 Traction Battery (509946037002)

| No.   | Item Code    | Mark | Item Description  | Qty. | Substitute | Note   |
|-------|--------------|------|-------------------|------|------------|--------|
| 1     | 509937010009 |      | Li Battery24V20Ah | 1    |            | HF     |
| 1     | 509937010010 |      | Li Battery24V40Ah | 1    |            | HF     |
| 1     | 509937010021 |      | Li Battery24V20Ah | 1    |            | EN1175 |
| 1     | 509937010022 |      | Li Battery24V40Ah | 1    |            | EN1175 |
| 1. 01 | 910200500011 | 1    | Screw             | 2    |            |        |
| 1. 02 | 508098520022 | 2    | Plastic Handle    | 1    |            |        |
| 1. 03 | 508098520024 | 2    | Spring            | 1    |            |        |
| 1. 04 | 508098520023 | 2    | Fixing Mount      | 1    |            |        |
| 1. 05 | 920100200006 |      | Fuse              | 1    |            |        |
| 1. 06 | 508098520021 | 2    | waterproof plug   | 1    |            |        |
| 1. 07 | 509998520000 |      | Stop Block        | 2    |            |        |

## Chapter 6: Others

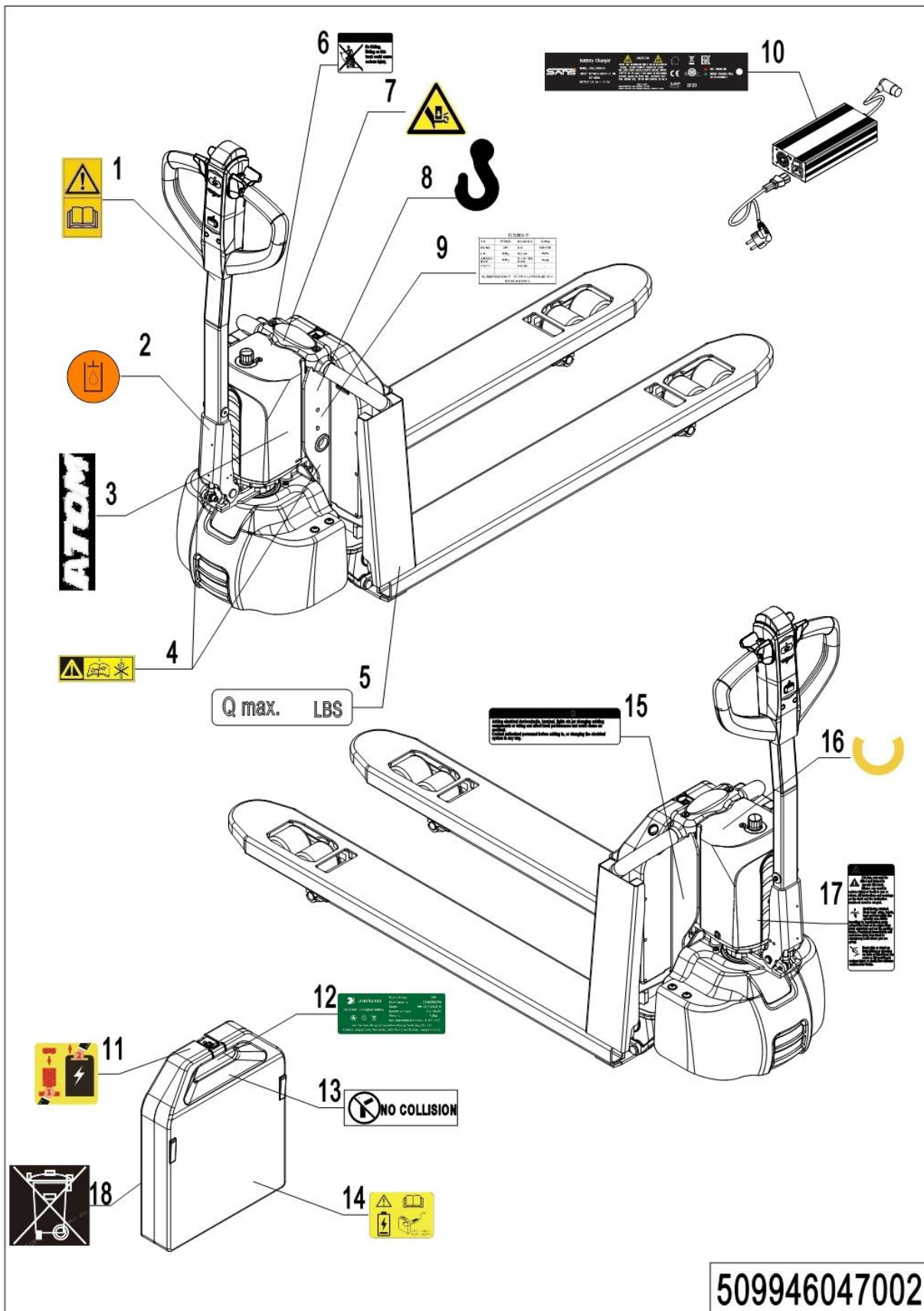
### 01 Labels and Decals-EU (509946047001)



## 01 Labels and Decals-EU (509946047001)

| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 941200300002 |      | Label            | 1    |            |      |
| 2   | 509947020000 |      | Label            | 1    |            |      |
| 3   | 941200300003 |      | Label            | 1    |            |      |
| 4   | 509947020001 |      | Label            | 1    |            |      |
| 5   | 508047020004 |      | Label            | 2    |            |      |
| 6   | 941200100003 |      | Label            | 2    |            |      |
| 7   | 508047020007 |      | Label            | 1    |            |      |
| 8   | 941200300001 |      | Label            | 2    |            |      |
| 9   | 509947520000 |      | Truck data plate | 1    |            |      |
| 10  | 941200200009 |      | Label            | 2    |            |      |
| 11  | 509947020002 |      | Label            | 1    |            |      |
| 12  | 509947020003 |      | Label            | 1    |            |      |
| 13  | 508047020002 |      | Label            | 1    |            |      |
| 14  | 509947020004 |      | Label            | 1    |            |      |
| 15  | 509947020005 |      | Label            | 1    |            |      |
| 16  | 508047020015 |      | Label            | 1    |            |      |

## 02 Labels and Decals-US (509946047002)

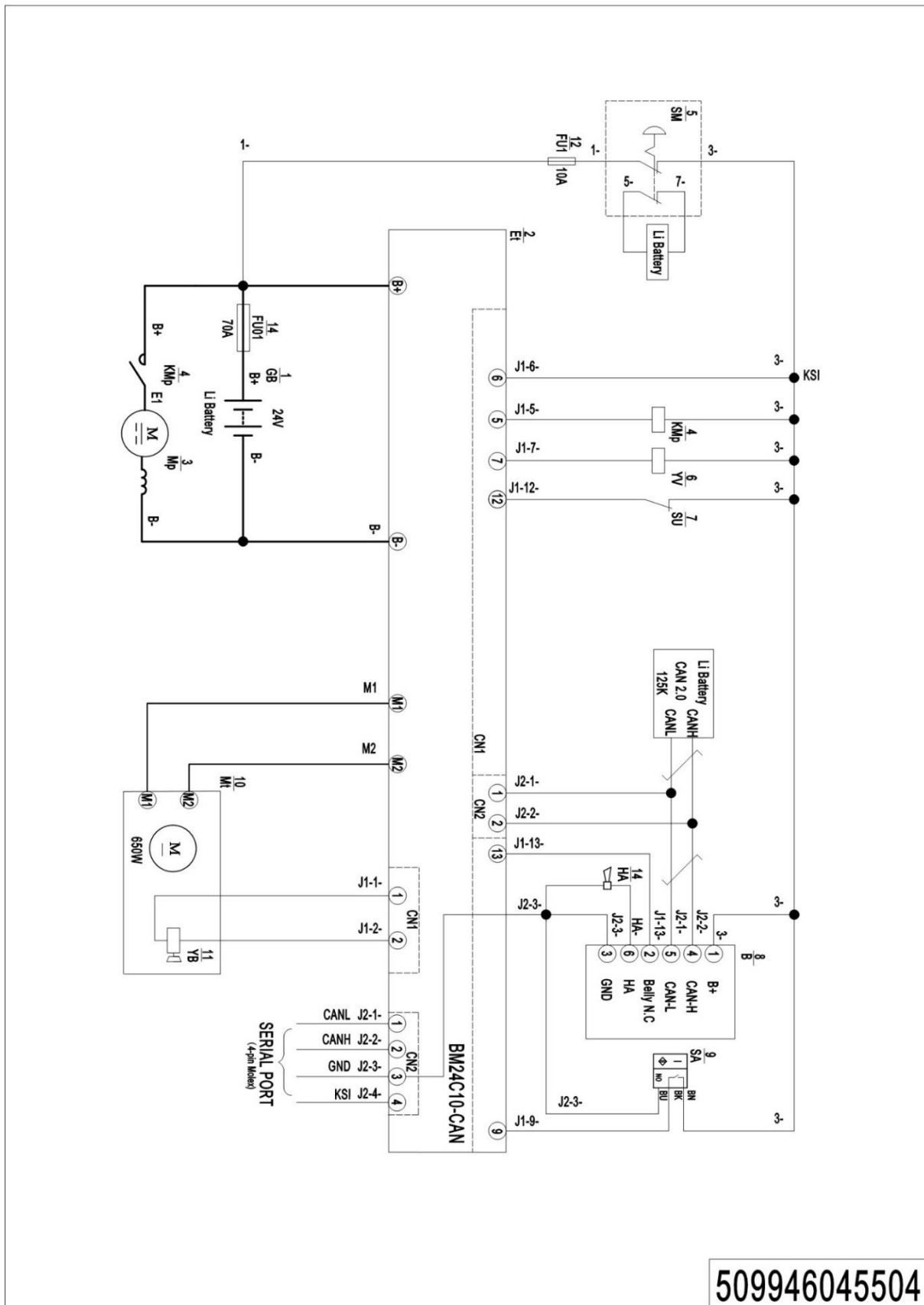


## 02 Labels and Decals-US (509946047002)

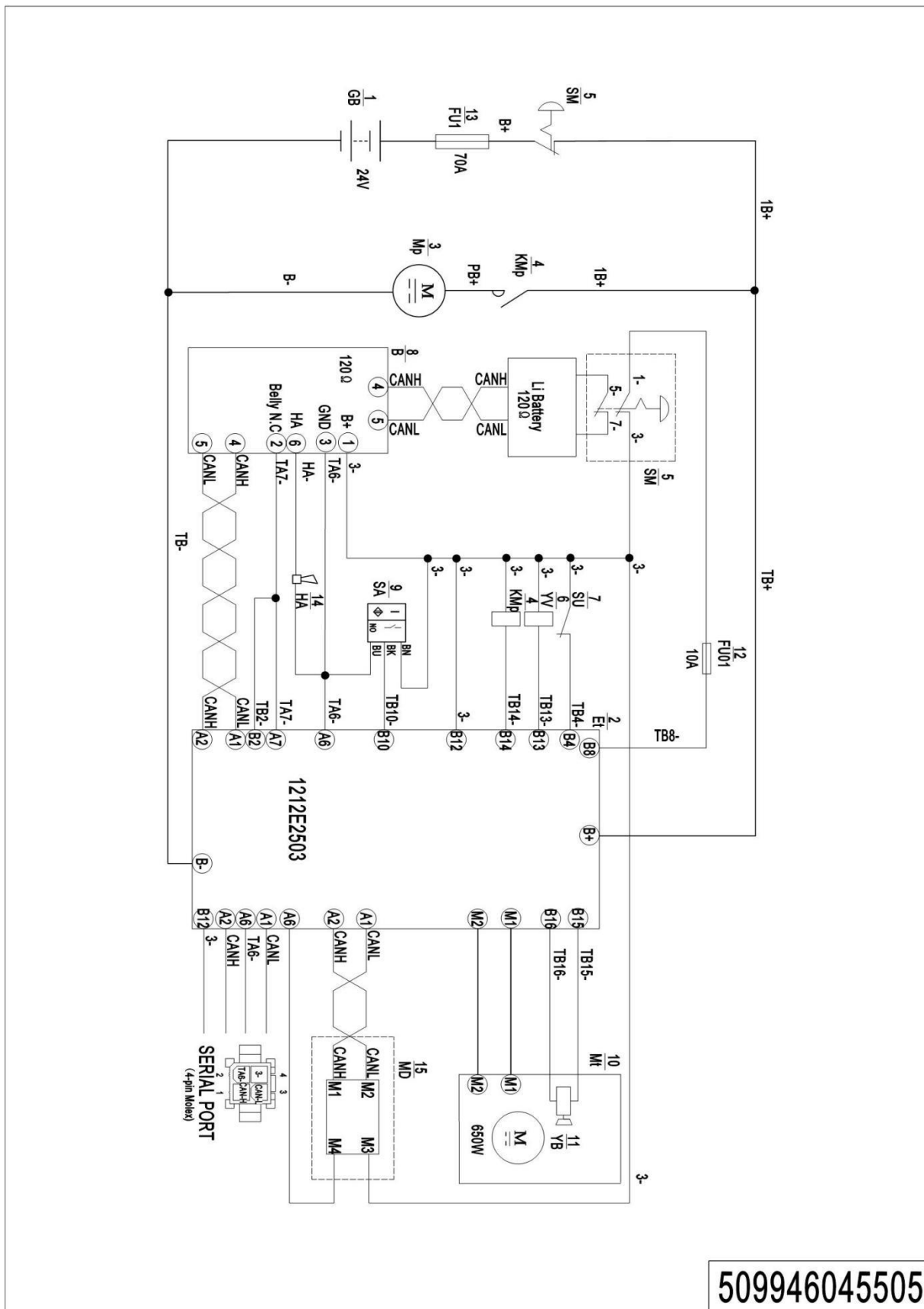
| No. | Item Code    | Mark | Item Description | Qty. | Substitute | Note |
|-----|--------------|------|------------------|------|------------|------|
| 1   | 941200300002 |      | Label            | 1    |            |      |
| 2   | 941200300003 |      | Label            | 1    |            |      |
| 3   | 509947020001 |      | Label            | 1    |            |      |
| 4   | 508047020004 |      | Label            | 2    |            |      |
| 5   | 941200200009 |      | Label            | 2    |            |      |
| 6   | 941200100011 |      | Label            | 1    |            |      |
| 7   | 508047020007 |      | Label            | 1    |            |      |
| 8   | 941200300001 |      | Label            | 2    |            |      |
| 9   | 509947520000 |      | Truck data plate | 1    |            |      |
| 10  | 509947020005 |      | Label            | 1    |            |      |
| 11  | 509947020002 |      | Label            | 1    |            |      |
| 12  | 509947020003 |      | Label            | 1    |            |      |
| 13  | 508047020002 |      | Label            | 1    |            |      |
| 14  | 509947020004 |      | Label            | 1    |            |      |
| 15  | 941200100010 |      | Label            | 1    |            |      |
| 16  | 509947020000 |      | Label            | 1    |            |      |
| 17  | 941200100009 |      | Label            | 1    |            |      |
| 18  | 508047020015 |      | Label            | 1    |            |      |

## Appendix

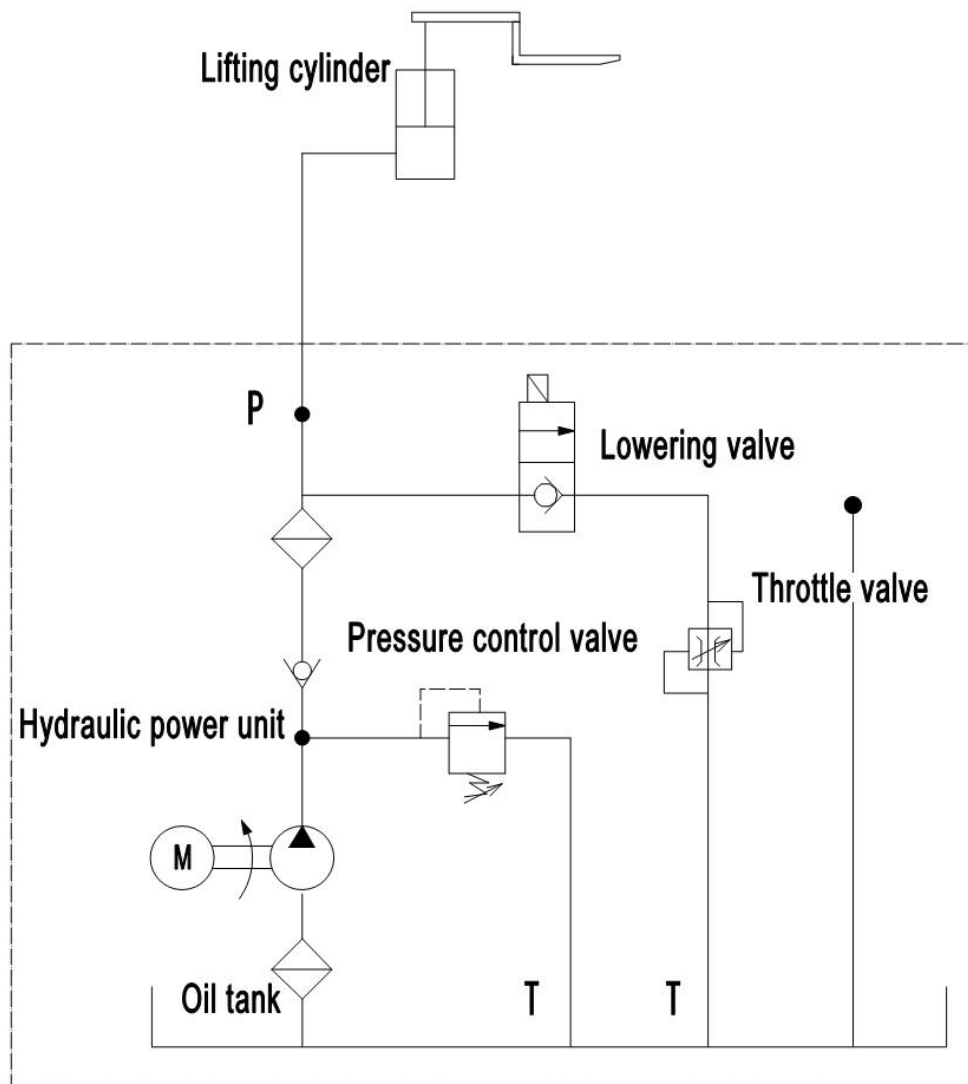
### 01 Electrical Circuit Diagram (509946045504)



## 02 Electrical Circuit Diagram (509946045505)



### 03 Hydraulic Circuit Diagram (508046045502)



508046045502

## 04 Consumable Parts List

| No. | Item Code    | Item Description   | Qty. | Chapter/ Section/ Number              |
|-----|--------------|--------------------|------|---------------------------------------|
| 1   | 910700200058 | Bearing            | 1    | Chapter 1/01/4                        |
| 2   | 910700600044 | Bearing            | 1    | Chapter 1/01/7                        |
| 3   | 508098510018 | Seal Kit           | 1    | Chapter 2/01/12.01 Chapter 2/02/12.01 |
| 4   | 508598510004 | Seal Kit           | 1    | Chapter 2/01/12.03 Chapter 2/02/12.03 |
| 5   | 940500100097 | Bushing            | 2    | Chapter 3/01/11.01 Chapter 2/02/15.01 |
| 6   | 940500100083 | Bushing            | 8    | Chapter 3/01/11.05 Chapter 2/02/15.04 |
| 7   | 940500200001 | Bushing            | 2    | Chapter 4/01/06 Chapter 4/03/06       |
| 7   | 940500200001 | Bushing            | 2    | Chapter 4/05/06                       |
| 8   | 508011010001 | Gas Spring         | 1    | Chapter 4/01/10.3                     |
| 9   | 940500200038 | Bushing            | 4    | Chapter 4/04/1.01                     |
| 10  | 910700200019 | Bearing            | 8/4  | Chapter 4/04/1.04                     |
| 11  | 940300300047 | Wheel $\Phi$ 80x70 | 4    | Chapter 4/04/1.05                     |
| 12  | 940500100088 | Bushing            | 4    | Chapter 4/04/1.09                     |
| 13  | 940300300023 | Wheel $\Phi$ 80x93 | 2    | Chapter 4/04/2.01                     |
| 14  | 910700200018 | Bearing            | 4    | Chapter 4/05/6.01                     |
| 15  | 940300300017 | Wheel $\Phi$ 80x30 | 2    | Chapter 4/05/6.02                     |
| 16  | 920100200006 | Fuse               | 1    | Chapter 5/06/1.05                     |