# NOBLELIFT

**Electric Pallet Truck PWB-200**

PARTS MANUAL

511646010101

Version：V02

Truck Identification Number From：

Parts Manual

PWB-200-PM02EN

Please order spare parts from authorized dealers of Noblelift Intelligent

Equipment Co., LTD.

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

- Truck model, identification number and manufacture year.

- Orders for spare parts of mast, hydraulic transmission unit, steering axle, motor, etc. shall indicate the manufacture number of these parts.

- Codes for Noblelift spare parts are shown in the table of parts manual. Please also pay attention to the description of supply status, order quantity, etc. (check the number listed in "Mark" column of the parts manual).

"Mark" Column:

The unmarked indicates the parts are in short supply cycle.

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

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

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

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

Number 5: check other tables.

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# Table of Contents

# Chapter 1: Drive System

## 01 Drive Unit Steering(511646013501)



511646013501

## 01 Drive Unit Steering(511646013501)

| 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 | 961004800000 | 1 | Drive Unit | 1 | | YX |

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

## 02 Drive Assembly(AZ)(511646013501)



511646013501

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

## 02 Drive Assembly(YX)(511646013501)

| No. | Item Code | Mark | Item Description | Qty. | Substitute | Note |
|-----|-----------|------|------------------|------|------------|------|
| 1 | 961004000012 | | Motor | 1 | | |
| 1.1 | 507798520023 | | Hall sensor | 4 | | |
| 1.2 | 507798520024 | | Cover | 1 | | |
| 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 | | |
| 7.1 | 961004000006 | | Gear | 1 | | |
| 7.2 | 961004000003 | | Gear Shaft | 1 | | |
| 7.3 | 961004000002 | | Gear | 1 | | |
| 7.4 | 961004000005 | | Gear | 1 | | |
| 8 | 961004000010 | | Oil Seal | 1 | | |
| 9 | 509998510051 | | Gearbox | 1 | | |
| 10 | 961000700012 | | Oil Seal | 1 | | |
| 11 | 961002200004 | | Brake | 1 | | |

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

## Chapter 2: Hydraulic System
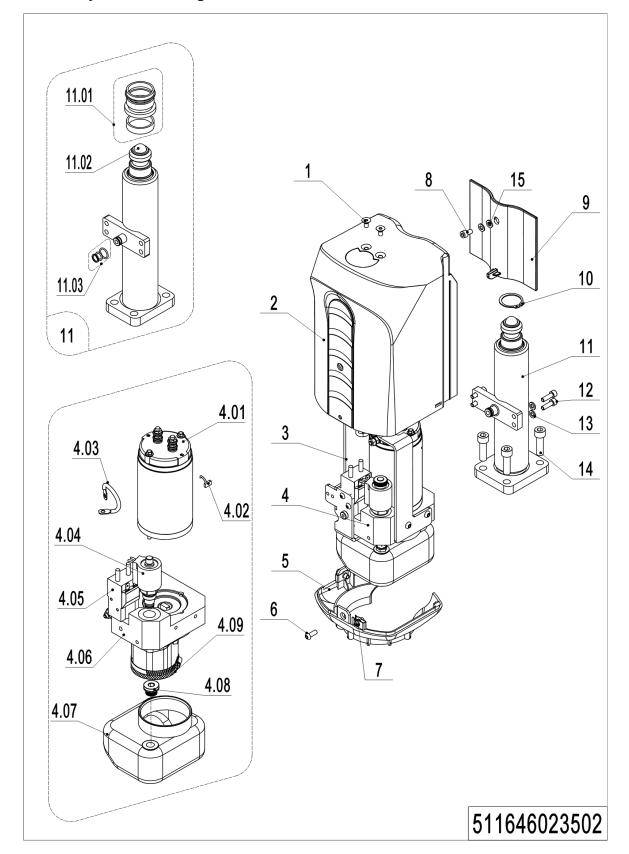
## 01 Hydraulic Components(511646023502)



511646023502

## 01 Hydraulic Components(511646023502)

| No. | Item Code | Mark | Item Description | Qty. | Substitute | Note |
|---|---|---|---|---|---|---|
| 1 | 910200400015 | 1 | Screw | 2 | | |
| 2 | 509924020105 | | Cover | 1 | | |
| 3 | 51182401000 | | Mounting Rack | 1 | | |
| 4 | 950900100057 | 2 | Pump Unit | 1 | | |
| 4.01 | 508598510007 | 2 | Motor | 1 | | |
| 4.02 | 508598520014 | 2 | Brush | 1 | | |
| 4.03 | 508598520001 | 2 | Cables | 1 | | |
| 4.04 | 505698520054 | 2 | Magnetic Valve | 1 | | |
| 4.05 | 508598520011 | 2 | Switch | 1 | | |
| 4.06 | 508598510008 | 2 | Gear Pump | 1 | | |
| 4.07 | 508598510010 | 2 | Tank | 1 | | |
| 4.08 | 508598510009 | 2 | Filter | 1 | | |
| 4.09 | 508598520005 | 2 | Sieve | 1 | | |
| 5 | 509924020102 | | Shield | 1 | | |
| 6 | 910200300018 | 1 | Screw | 5 | | |
| 7 | 940400400001 | 1 | Cage Nut | 2 | | |
| 8 | 910200200176 | 1 | Screw | 1 | | |
| 9 | 509924020103 | | Cover | 1 | | |
| 10 | 910401300017 | | Circlip | 1 | | |
| 11 | 511624010001 | | Cylinder | 1 | | |
| 11.01 | 509924010005 | | Seal Kit | 1 | | |
| 11.02 | 910701100019 | | Steel Ball | 1 | | |
| 11.03 | 508598510004 | | Seal Kit | 1 | | |
| 12 | 910200200036 | 1 | Screw | 4 | | |
| 13 | 910400100005 | 1 | Flat Washer | 4 | | |
| 14 | 910200200075 | 1 | Screw | 4 | | |
| 15 | 509938520042 | 1 | Spring Washer | 2 | | |

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

## Chapter 3: Truck Frame
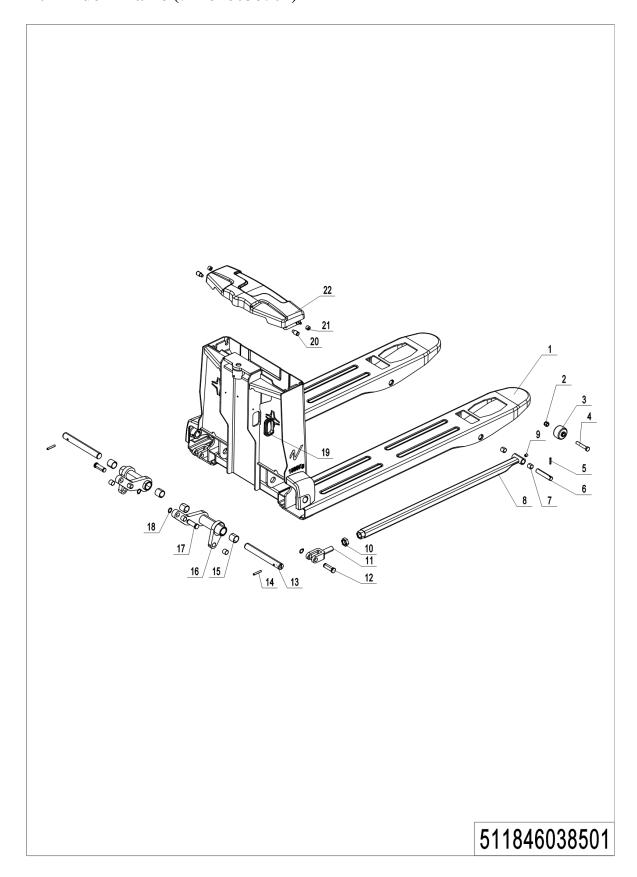
### 01 Truck Frame (51184603850l)



511846038501

## 01 Truck Frame (511846038501)

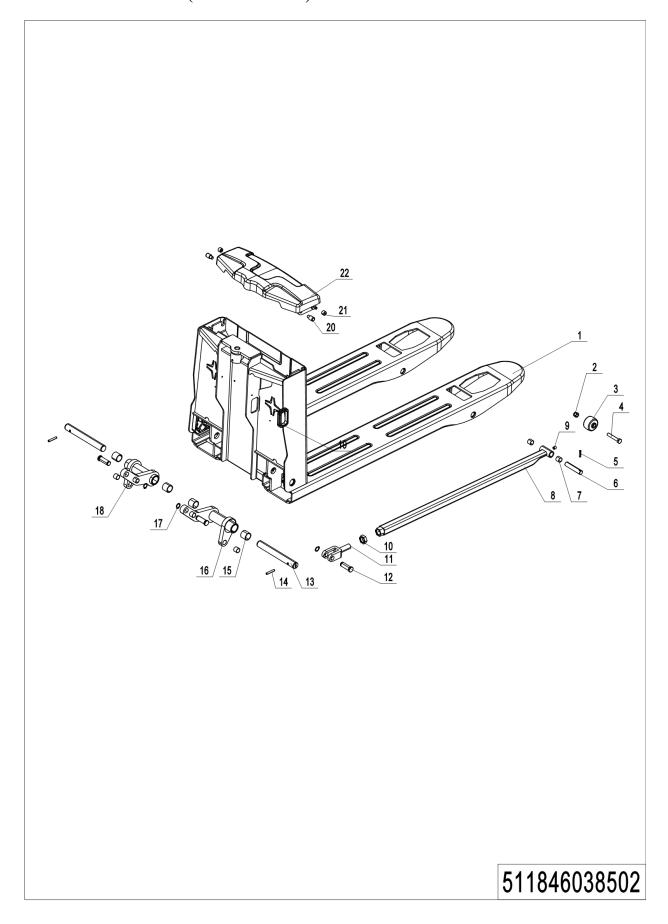| No. | Item Code | Mark | Item Description | Qty. | Substitute | Note |
|-----|-----------|------|------------------|------|------------|------|
| 1 | 511838510001 | | Chassis(685x1150) | 1 | | |
| 2 | 910300500005 | | Nut | 2 | | |
| 3 | 505638520039 | | Entry roller | 2 | | |
| 4 | 941100200019 | | Nut | 1 | | |
| 5 | 910600500002 | | Coiled Elastic Cylinder | 4 | | |
| 6 | 502338520030 | | Axle | 2 | | |
| 7 | 940500100083 | | Bushing | 8 | | |
| 8 | 509938510002 | | Push Rod Kit(1150) | 2 | | |
| 9 | 911200100001 | | Oil Cup | 2 | | |
| 10 | 910300400008 | | Nut | 2 | | |
| 11 | 502338520027 | | Push Rod Fork | 2 | | |
| 12 | 502338520026 | | Pin | 4 | | |
| 13 | 510838520104 | | Axle | 2 | | |
| 14 | 910600400041 | | Spring Pin | 2 | | |
| 15 | 940500100097 | | Bushing | 4 | | |
| 16 | 510838510004 | | Rise Arm | 1 | | |
| 17 | 910401300007 | | Circlip | 4 | | |
| 18 | 510838510005 | | Rise Arm | 1 | | |
| 19 | 509938520041 | | Jacket | 1 | | |
| 20 | 505621020003 | | Damping | 2 | | |
| 21 | 505621020004 | | Cushion | 2 | | |
| 22 | 511838510002 | | Weld | 1 | | |

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

## 02 Truck Frame (511846038502)



511846038502

## 02 Truck Frame (511846038502)

| No. | Item Code | Mark | Item Description | Qty. | Substitute | Note |
|---|---|---|---|---|---|---|
| 1 | 511838510000 | | Chassis(540x1150) | 1 | | |
| 2 | 910300500005 | | Nut | 2 | | |
| 3 | 505638520039 | | Entry roller | 2 | | |
| 4 | 941100200019 | | Nut | 1 | | |
| 5 | 910600500002 | | Coiled Elastic Cylinder | 4 | | |
| 6 | 502338520030 | | Axle | 2 | | |
| 7 | 940500100083 | | Bushing | 8 | | |
| 8 | 509938510002 | | Push Rod Kit(1150) | 2 | | |
| 9 | 911200100001 | | Oil Cup | 2 | | |
| 10 | 910300400008 | | Nut | 2 | | |
| 11 | 502338520027 | | Push Rod Fork | 2 | | |
| 12 | 502338520026 | | Pin | 4 | | |
| 13 | 511838520019 | | Axle | 2 | | |
| 14 | 910600400041 | | Spring Pin | 2 | | |
| 15 | 940500100097 | | Bushing | 4 | | |
| 16 | 510838510002 | | Rise Arm | 1 | | |
| 17 | 910401300007 | | Circlip | 4 | | |
| 18 | 510838510003 | | Rise Arm | 1 | | |
| 19 | 509938520041 | | Jacket | 1 | | |
| 20 | 505621020003 | | Damping | 2 | | |
| 21 | 505621020004 | | Cushion | 2 | | |
| 22 | 511838510002 | | Weld | 1 | | |

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

## 01 Tiller Unit(511646011001)



511646011001

## 01 Tiller Unit(511646011001)

| No. | Item Code | Mark | Item Description | Qty. | Substitute | Note |
|-----|-----------|------|------------------|------|------------|------|
| 1 | 922100100285 | 2 | Tiller | 1 | | |
| 2 | 910400100004 | 1 | Flat Washer | 1 | | |
| 3 | 910400500004 | 1 | Spring Washer | 4 | | |
| 4 | 511833010007 | | Wire Harness | 1 | | |
| 5 | 910200300011 | 1 | Screw | 1 | | |
| 6 | 511211010002 | | Welding of handle rod | 1 | | |
| 7 | 910401300006 | 1 | Circlip | 1 | | |
| 8 | 940500200001 | | Bushing | 2 | | |
| 9 | 941101100001 | 1 | Screw | 2 | | |
| 10 | 508011020004 | | Pin | 1 | | |
| 11 | 920200400026 | | Proximity Switch | 1 | | |
| 12 | 508098510084 | | Gas Spring Kit | 1 | | |
| 12.1 | 910401300001 | 1 | Circlip | 1 | | |
| 12.2 | 508011020005 | | Fixing Base | 1 | | |
| 12.3 | 508011010001 | | Gas Spring | 1 | | |
| 12.4 | 941100100011 | 1 | Screw | 1 | | |
| 12.5 | 508011010002 | | Pin | 1 | | |

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## 02 Tiller(511646011002)


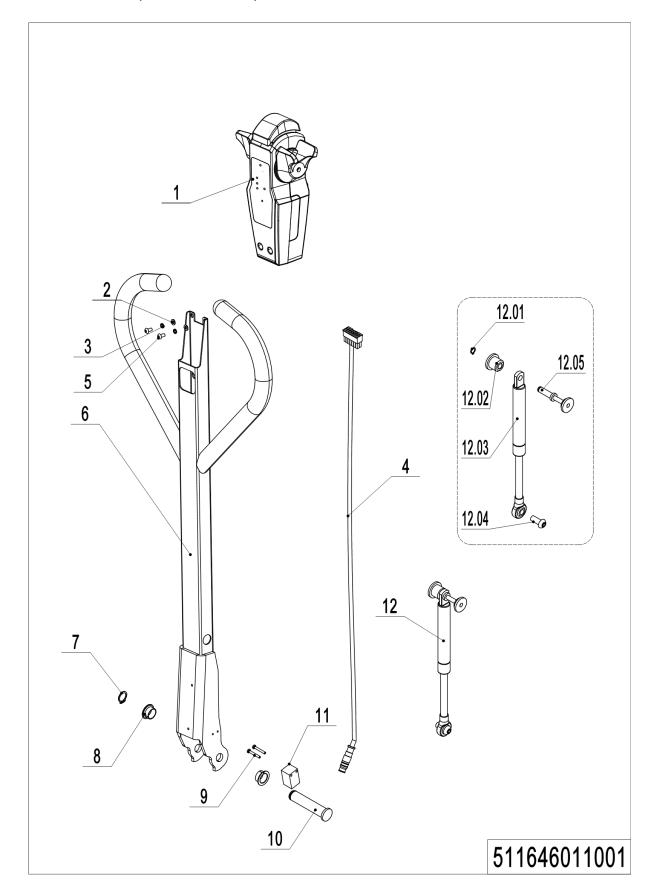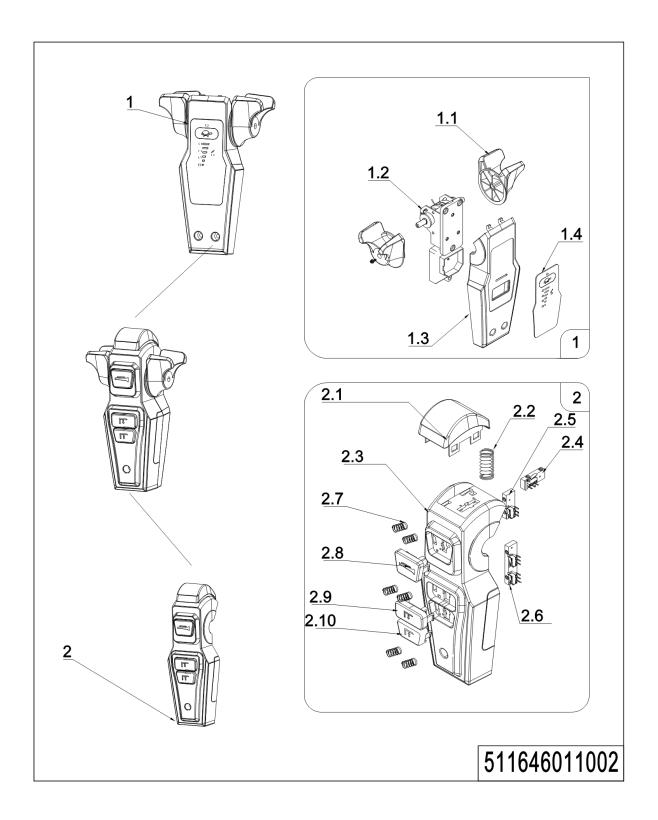
511646011002

## 02 Tiller(511646011002)

| No. | Item Code | Mark | Item Description | Qty. | Substitute | Note |
|-----|-----------|------|------------------|------|------------|------|
| 1 | 511898510001 | | Accelerator | 1 | | |
| 1.1 | 511898520014 | | Dial Key | 2 | | |
| 1.2 | 511898520002 | | Circuit Board Assembly | 1 | | |
| 1.3 | 511898520003 | | Cover | 1 | | |
| 2 | 511898510002 | | Control Handle body | 1 | | |
| 2.1 | 511898520004 | | Button Cap | 1 | | |
| 2.2 | 511898520005 | | Spring | 1 | | |
| 2.3 | 511898520006 | | Cover | 1 | | |
| 2.4 | 511898520007 | | Wire Harness | 1 | | |
| 2.5 | 511898520008 | | Wire Harness | 1 | | |
| 2.6 | 511898520009 | | Wire Harness | 1 | | |
| 2.7 | 511898520010 | | Spring | 6 | | |
| 2.8 | 511898520011 | | Button Cap | 1 | | |
| 2.9 | 511898520012 | | Button Cap | 1 | | |
| 2.10 | 511898520013 | | Button Cap | 1 | | |

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

## 03 Load Wheel (Tandem)(511846017001)

1
1.01
1.02
1.03
2
2.02
2.03
2.01
2.04
2.05
2.09
2.06
2.07
4
2.08
2
3
3.01
2.08
3.02
2.09
4
3
5
6
5
6

511846017001

## 03 Load Wheel (Tandem)(511846017001)

| No. | Item Code | Mark | Item Description | Qty. | Substitute | Note |
|-----|-----------|------|------------------|------|------------|------|
| 1 | 502398510003 | | Pulley components | 2 | | |
| 1.01 | 910300500005 | 1 | Nut | 2 | | |
| 1.02 | 505638520039 | | Running Pulley | 2 | | |
| 1.03 | 941100200019 | 1 | Bolt | 2 | | |
| 2 | 511817001000 | | Wheel | 2 | | |
| 2.01 | 940500200038 | | Bushing | 4 | | |
| 2.02 | 910600400027 | 1 | Spring Pin | 8 | | |
| 2.03 | 508017020001 | | Plate | 4 | | |
| 2.04 | 910700200019 | | Bearing | 8/4 | | |
| 2.05 | 511817020002 | | Wheel Φ80x70 | 4 | | |
| 2.06 | 511817020001 | | Axle | 4 | | |
| 2.07 | 940600500013 | | Washer | 8/4 | | double /Single |
| 2.08 | 940500100088 | | Bushing | 4 | | |
| 2.09 | 511838520017 | | Riser | 2 | | |
| 3 | 511817001001 | 2 | Wheel | 2 | | |
| 3.01 | 511817020004 | | Wheel Φ80x93 | 2 | | |
| 3.02 | 511817020003 | | Axle | 2 | | |
| 4 | 502338520033 | | Roller | 4 | | |
| 5 | 502338520031 | | Pin | 2 | | |
| 6 | 910600400025 | | Spring Pin | 2 | | |

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**1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.**
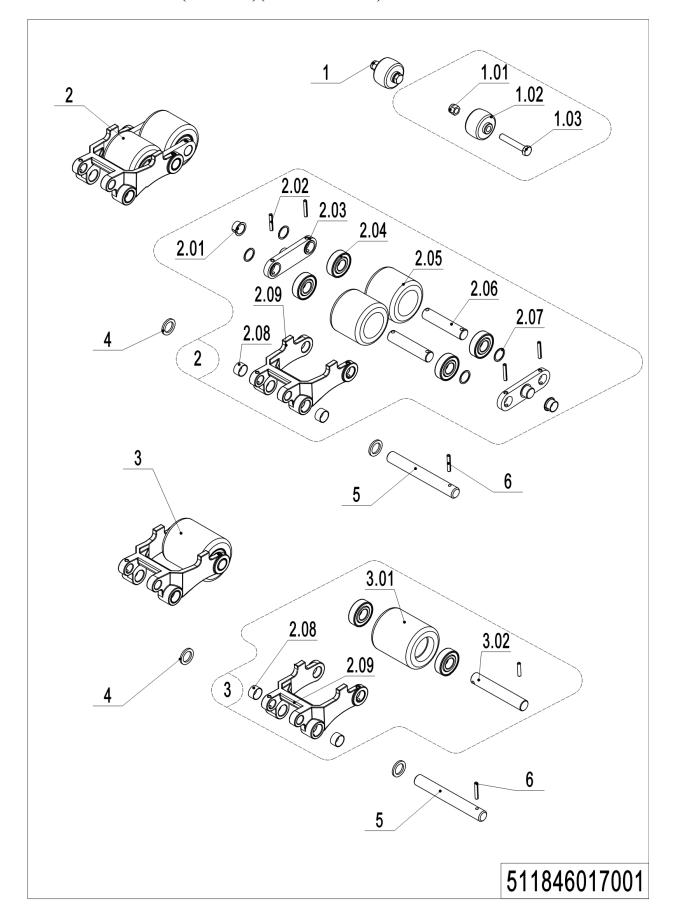
## 04 Caster (509946016504)



509946016504

## 04 Caster (509946016504)

| No. | Item Code | Mark | Item Description | Qty. | Substitute | Note |
|-----|-----------|------|------------------|------|------------|------|
| 1 | 910200200036 | 1 | Screw | 1 | | |
| 2 | 910200300019 | 1 | Screw | 2 | | |
| 3 | 509916520002 | | Apron | 1 | | |

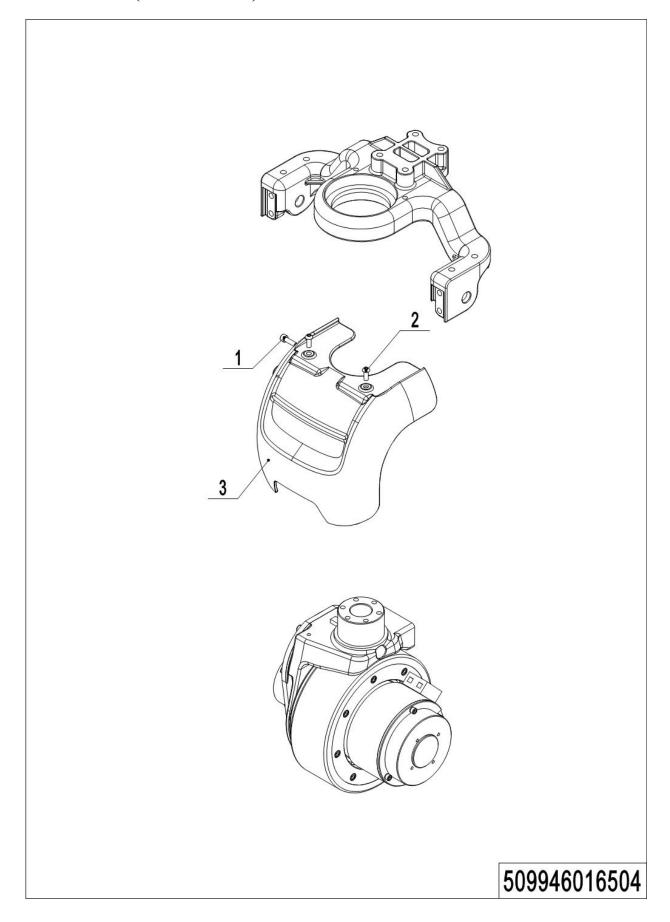--------------------------------------------------------------------------------------------------------------------------------
**1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.**

# Chapter 5: Electrical Parts

## 01 Wire Harness (511646033001)



511646033001

## 01 Wire Harness (511646033001)

| No. | Item Code | Mark | Item Description | Qty. | Substitute | Note |
|---|---|---|---|---|---|---|
| 1 | 509933010012 | | Cables | 1 | | |
| 2 | 511633010007 | | Wire Harness | 1 | | |
| 3 | 511833010007 | | Wire Harness | 1 | | |
| 4 | 511633010003 | | Cables | 1 | | B- |
| 5 | 511633010002 | | Cables | 1 | | B+ |
| 6 | 511633010004 | | Wire Harness | 1 | | |
| 7 | 511633010005 | | Wire Harness | 1 | | |
| 8 | 511633010001 | | Wire Harness | 1 | | |

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

## 02 Electronic components (511646033002)



511646033002

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**1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.**
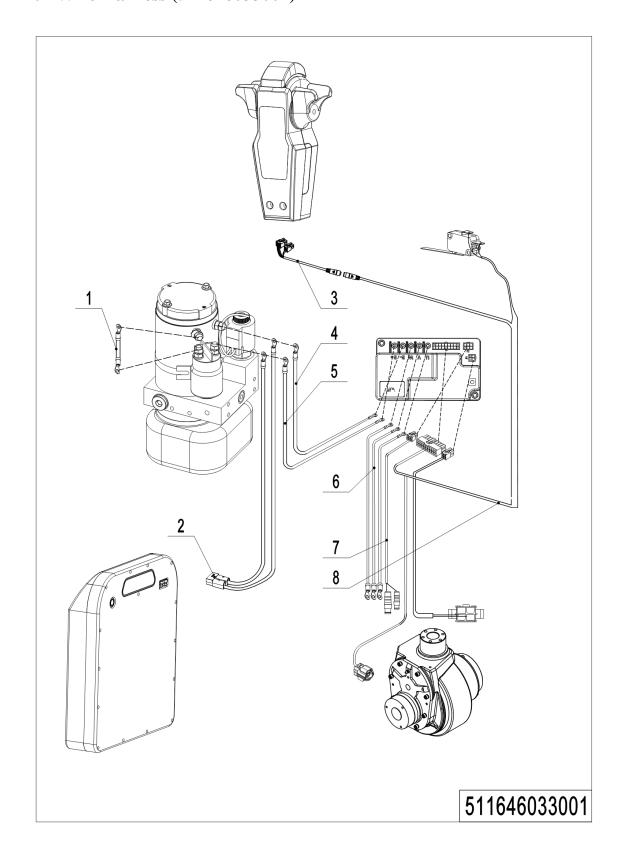
## 02 Controller (511646033002)

| No. | Item Code | Mark | Item Description | Qty. | Substitute | Note |
|---|---|---|---|---|---|---|
| 1 | 910200200025 | 1 | Screw | 2 | | |
| 2 | 910400500004 | 1 | Spring Washer | | | |
| 3 | 961004500016 | | Controller | 1 | | |
| 4 | 910200300002 | 1 | Screw | 2 | | |
| 5 | 509998520063 | | Horn | 1 | | |
| 6 | 910200200004 | 1 | Screw | 2 | | |
| 7 | 920200300012 | | Microswitch | 1 | | |

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

## 03 Charger (511646036501)



511646036501

## 03 Charger (511646036501)

| No. | Item Code | Mark | Item Description | Qty. | Substitute | Note |
|-----|-----------|------|------------------|------|------------|------|
| 1 | 921000201011 | | Charger 48V5A (Aisa-CHN) | 1 | | SW |
| 1 | 921000201012 | | Charger 48V5A (Aisa-ENG) | 1 | | SW |
| 1 | 921000201013 | | Charger 48V5A (EU) | 1 | | SW |
| 1 | 921000201095 | | Charger 48V5A (US) | 1 | | SW |

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

## 04 Traction Battery (511646037001)



511646037001

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**1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.**
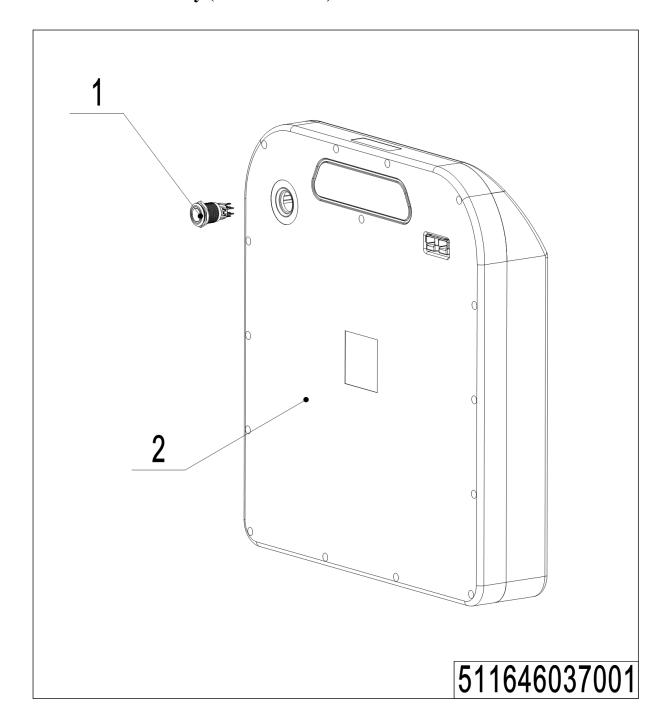
## 04 Traction Battery (511646037001)

| No. | Item Code | Mark | Item Description | Qty. | Substitute | Note |
|---|---|---|---|---|---|---|
| 1 | 921500200023 | | Metal Switch | 1 | | |
| 2 | 920600100872 | | Li Battery48V10Ah | 1 | | |
| 2 | 920600100774 | | Li Battery48V20Ah | 1 | | |

# Chapter 6: Others

## 01 Labels and Decals-EU (511846047003)



511846047003

## 01 Labels and Decals-EU (511846047003)

| No. | Item Code | Mark | Item Description | Qty. | Substitute | Note |
|---|---|---|---|---|---|---|
| 1 | 941200300002 | | Label | 1 | | |
| 2 | 941200100003 | | Label | 1 | | |
| 3 | 941200300003 | | Label | 1 | | |
| 4 | 941200200009 | | Label | 2 | | |
| 5 | 508047020007 | | Label | 1 | | |
| 6 | 941200300001 | | Label | 2 | | |
| 7 | 509947520000 | | Truck data plate | 1 | | |
| 8 | 941200200009 | | Label | 2 | | |
| 9 | 509947020002 | | Label | 1 | | |
| 10 | 509947020003 | | Label | 1 | | |
| 11 | 508047020002 | | Label | 1 | | |
| 12 | 509947020004 | | Label | 1 | | |
| 13 | 509947020005 | | Label | 1 | | |
| 14 | 510847020003 | | Lable | 2 | | |
| 15 | 508047020015 | | Label | 1 | | |

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

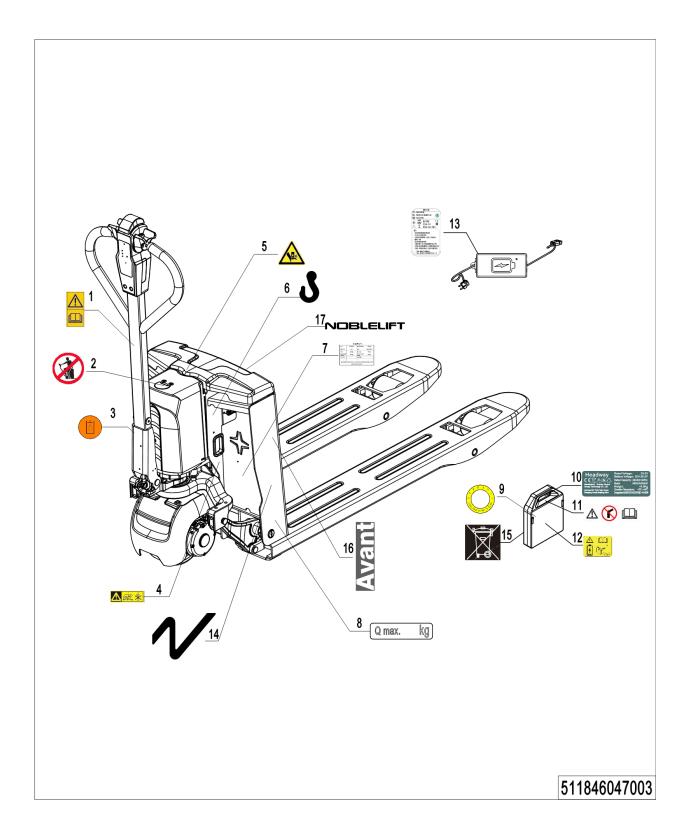## 02 Labels and Decals-US (511846047004)



511846047004

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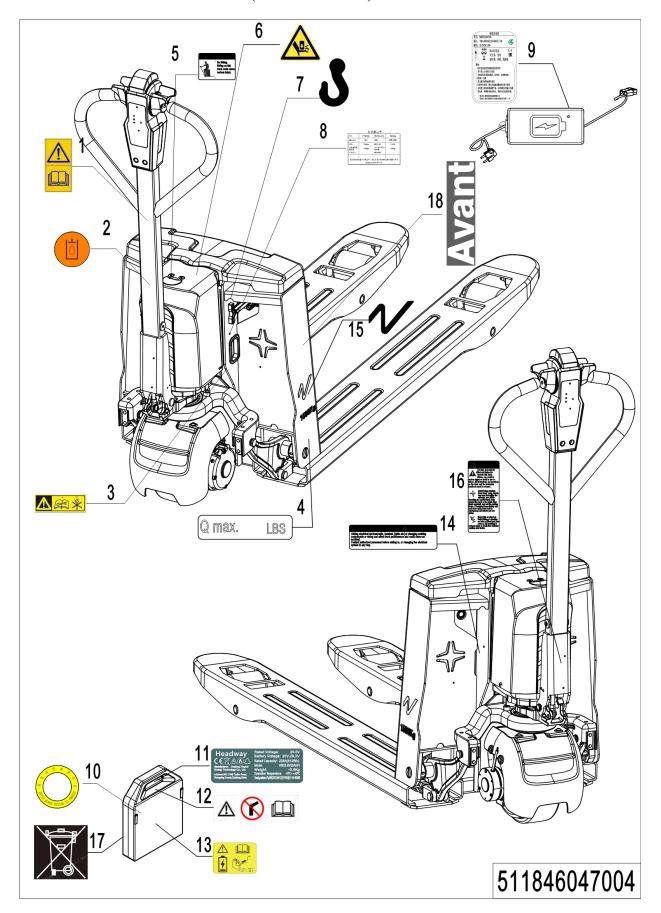
1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.

## 02 Labels and Decals-US(511846047004)

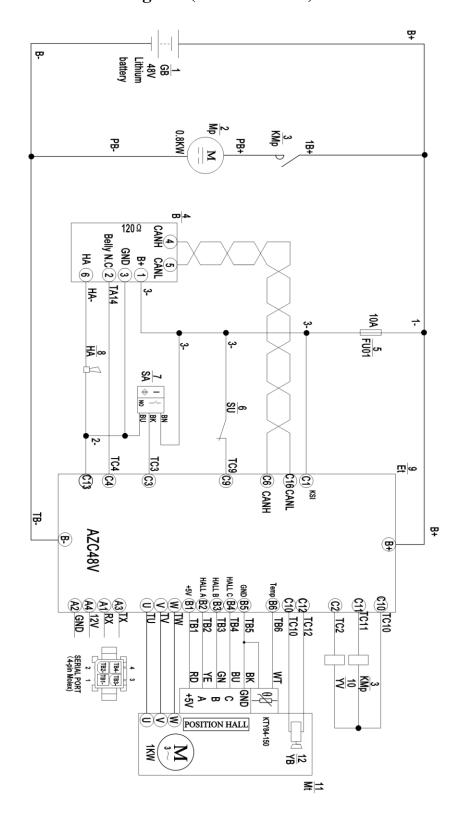| No. | Item Code | Mark | Item Description | Qty. | Substitute | Note |
|---|---|---|---|---|---|---|
| 1 | 941200300002 | | Label | 1 | | |
| 2 | 941200300003 | | Label | 1 | | |
| 3 | 510847020004 | | Label | 1 | | |
| 5 | 941200200009 | | Label | 2 | | |
| 6 | 941200100011 | | Label | 1 | | |
| 7 | 508047020007 | | Label | 1 | | |
| 8 | 941200300001 | | Label | 2 | | |
| 9 | 509947520000 | | Truck data plate | 1 | | |
| 10 | 509947020005 | | Lable | 1 | | |
| 11 | 509947020002 | | Label | 1 | | |
| 12 | 509947020003 | | Label | 1 | | |
| 13 | 508047020002 | | Label | 1 | | |
| 14 | 509947020004 | | Label | 1 | | |
| 15 | 941200100010 | | Label | 1 | | |
| 16 | 510847020003 | | Label | 2 | | |
| 17 | 941200100009 | | Label | 1 | | |
| 18 | 508047020015 | | Label | 1 | | |

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

## Appendix

### 01 Electrical Circuit Diagram (511646045501)



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

## 02 Electrical Circuit Diagram (508046045502)



508046045502

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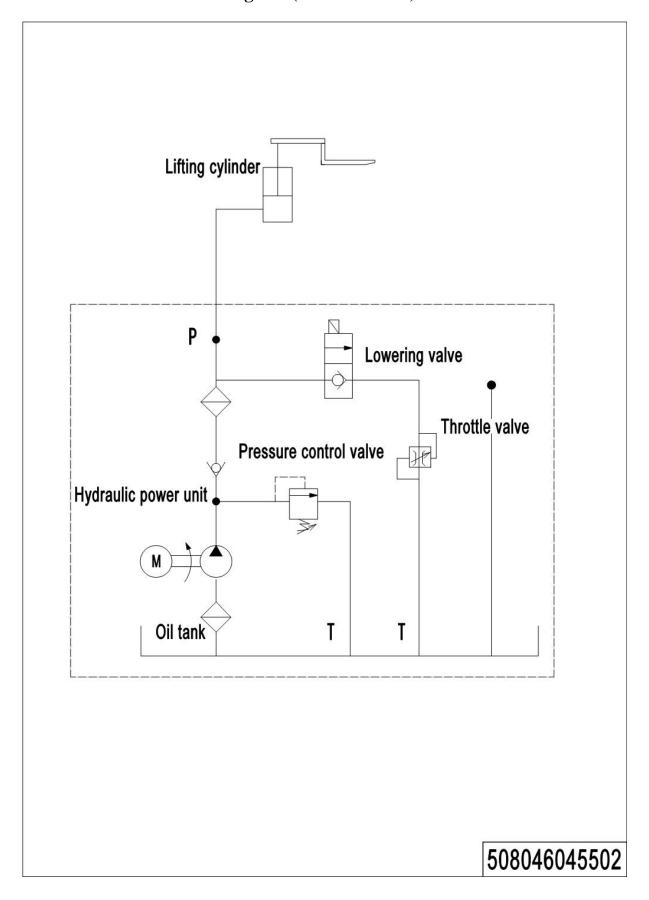**1= Supply as package. 2= Supply with constraints. 3= Phasing-out supply. 4= Supply as assembly. 5= Check other tables.**

## 03 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 | 509924010005 | Seal Kit | 1 | Chapter 2/01/11.01 |
| 4 | 508598510004 | Seal Kit | 1 | Chapter 2/01/11.03 |
| 5 | 940500100097 | Bushing | 2 | Chapter 3/01/15 Chapter 2/02/15 |
| 6 | 940500100083 | Bushing | 8 | Chapter 3/01/7 Chapter 2/02/7 |
| 7 | 940500200001 | Bushing | 2 | Chapter 4/01/06 Chapter 4/03/06 |
| 8 | 508098510084 | Gas Spring | 1 | Chapter 4/01/08 |
| 9 | 940500200038 | Bushing | 4 | Chapter 4/01/12 |
| 10 | 910700200019 | Bearing | 8/4 | Chapter 4/03/2.01 |
| 11 | 511817020002 | Wheel Φ80x70 | 4 | Chapter 4/03/2.05 |
| 12 | 940500100088 | Bushing | 4 | Chapter 4/03/2.08 |
| 13 | 511817020004 | Wheel Φ80x83 | 2 | Chapter 4/03/3.01 |

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