

NOBLELIFT

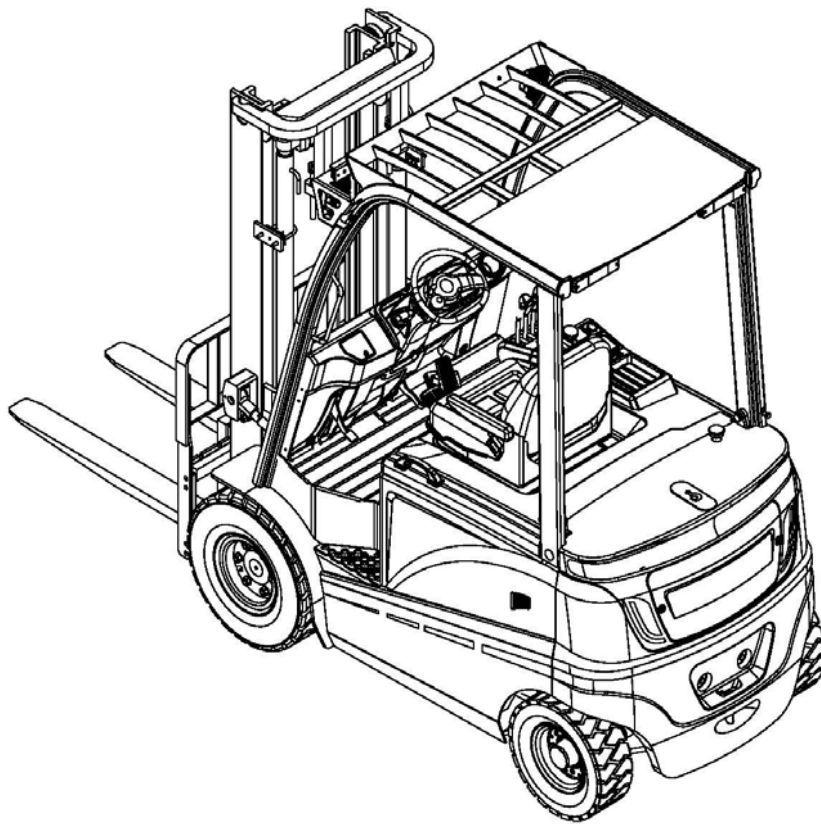


FE4P44-55N-BPT-001

WARNING

Do not use the forklift before reading and understanding the operating instructions as well as the warning decals on the truck.

Keep for future reference.



Spare Parts List

FE4P44-55 N series

battery counterbalanced forklift truck

NOBLELIFT INTELLIGENT EQUIPMENT CO.,LTD.

Forword

Welcome to use Noblelift counter balanced fork lift truck!

- 1、 This spare parts list includes all the parts of FE4P20-25 Nseries for lift truck.
- 2、 The user can refer the list according to the catalogue page.
- 3、 When repairing or replacing the spart parts, please use correct spare parts to ensure the truck quality.
- 4 、 When ordering parts, please write clearly the truck type, manufacturing number, parts serial number and order auantity.

Note: ▲ Do not provide spare parts separately.

- 5、 In order to further optimize the product, we reserve the right to change our products. and without prior notice to you, please understand. If you want to know the latest product information, you can get the latest information from the company's sales and spare parts company.

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Drive system

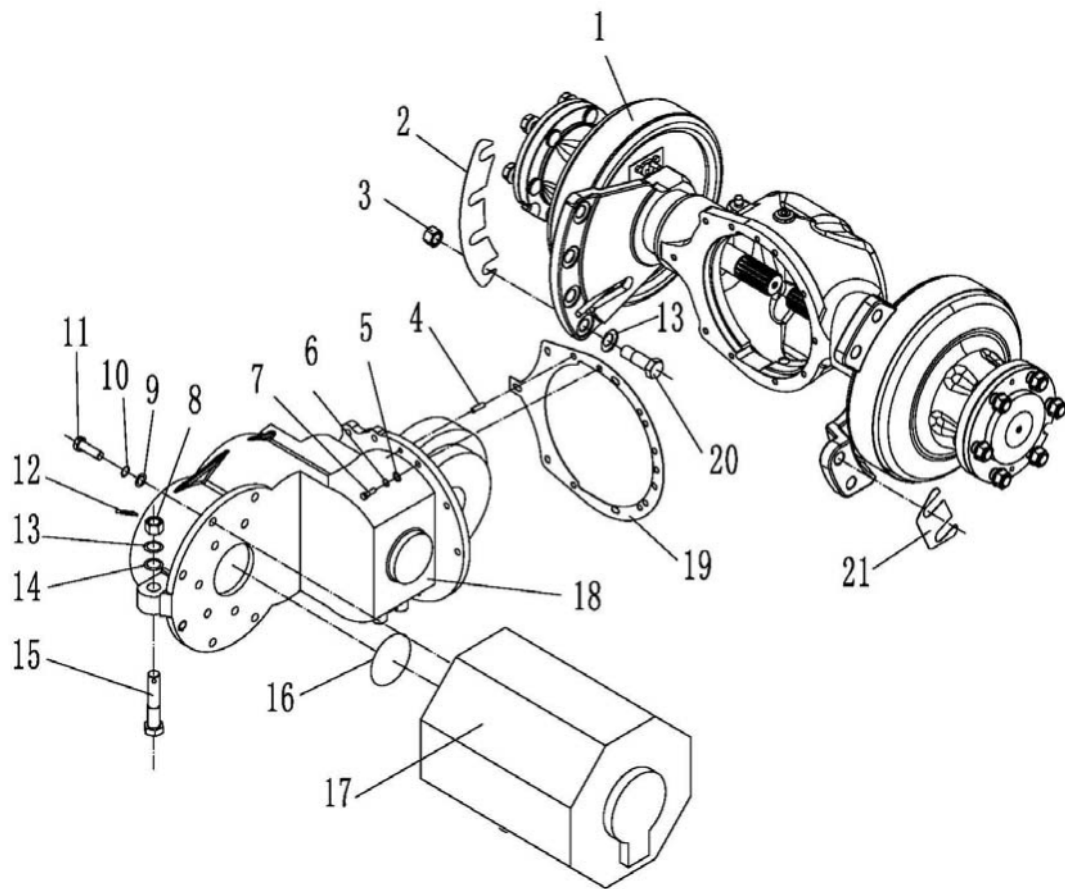


Fig. 1

Fig. 1**Drive system**

| No. | Coding | Description | Qty | Note |
|-----|--------------|-----------------------------------|-----|------|
| 1 | 255013510001 | Drive axle | 1 | |
| 2 | 255013520003 | Adjusting shim 1 | 1 | |
| 3 | 255013520002 | Nut M20x1.5 | 8 | |
| 4 | 910600100021 | Dowel pin GB119.2-8x25 | 1 | |
| 5 | 910400100007 | Washer GB97.1-10-200HV | 12 | |
| 6 | 910400500007 | Washer GB93-10 | 12 | |
| 7 | 910100400004 | Bolt GB5786-M10x1.25x30-8.8 | 12 | |
| 8 | 910300900002 | Nut GB6178-M20-8 | 1 | |
| 9 | 910400100009 | Washer GB97.1-14-200HV | 5 | |
| 10 | 910400500009 | Washer GB93-14 | 5 | |
| 11 | 910100200010 | Bolt GB5785-M14x1.5x50-8.8 | 5 | |
| 12 | 910600600037 | Split pin GB91-4x40 | 1 | |
| 13 | 910400500012 | Washer GB93-20 | 9 | |
| 14 | 910400100012 | Washer GB97.1-20-200HV | 1 | |
| 15 | 910100500006 | BoltGB31.1-M20x90-8.8 | 1 | |
| 16 | 910800100020 | O ring 90x2.65 | 1 | |
| 17 | 920900100037 | Motor (AC) HPQ9.1-4NL | 1 | |
| | 920900100040 | Motor (AC) YDQ9-1-4HC | 1 | |
| | 255098513251 | Encoder SNDH-T4L-G01 | 1 | |
| 18 | 255014010002 | Gear box HDCSB30(middle of south) | 1 | |
| 19 | 255013520005 | Seal washer | 1 | |
| 20 | 255013520001 | Bolt M20x1.5x66 | 8 | |
| 21 | 255013520004 | Adjusting washer 2 | 2 | |

Drive axle

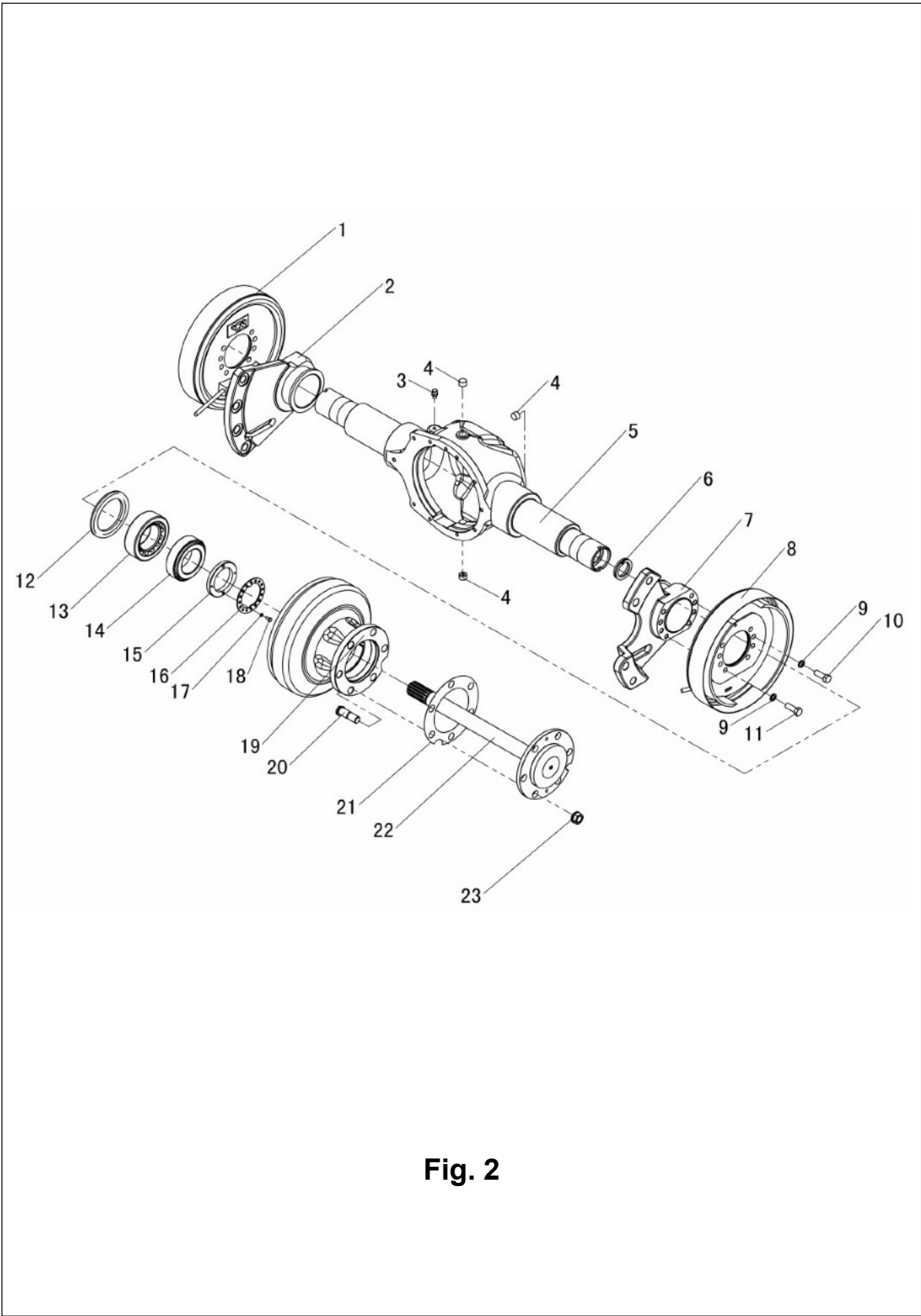


Fig. 2

Fig. 2**Drive axle**

| No. | Coding | Description | Qty | Note |
|-----|------------------|--------------------------------|-----|------|
| A | 25501351000 1 | Drive axle | 1 | |
| 1 | 2550985135 01 | Left brake assembly | 1 | |
| 2 | 2550985235 02 | Drive axle left bearing plate | 1 | |
| 3 | 25509852350 3 | Air hole assembly | 1 | |
| 4 | 25509852350 4 | Blocking | 1 | |
| 5 | 2550985235 05 | New drive axle housing | 1 | |
| 6 | 25509852350 6 | Oil seal SD45x62x12 | 2 | |
| 7 | 25509852350 7 | Drive axle right bearing plate | 1 | |
| 8 | 25509851350 8 | Right brake assembly | 1 | |
| 9 | 25509852350 9 | Spring washer 14 | 16 | |
| 10 | 2550985235 10 | Brake bolt | 4 | |
| 11 | 25509852351 1 | Brake bolt | 12 | |
| 12 | 25509852351 2 | Oil seal SD100x140x12 | 2 | |
| 13 | 2550980235 13 | Bearing 30615 | 2 | |
| 14 | 2550985235 14 | Bearing331151 | 2 | |
| 15 | 2550985235 15 | Nut seat | 2 | |
| 16 | 25509852351 6 | Nut seat circlip | 2 | |
| 17 | 25509852351 7 | Spring washer 6 | 4 | |
| 18 | 2550985235 18 | Bolt M6x12-4.8 | 4 | |

| | | | | |
|-----------------------------|------------------|------------------------|----|--|
| Fig. 2 ¹⁹ | 25509852351 9 | Hub Drive axle | 2 | |
| 20 | 25509852352 0 | Hub connecting bolt | 12 | |
| 21 | 25509852352 1 | Half shaft seal washer | 1 | |
| 22 | 2550985235 22 | Half shaft | 1 | |
| 23 | 25509852352 3 | Rim nut | 12 | |

Brake assembly

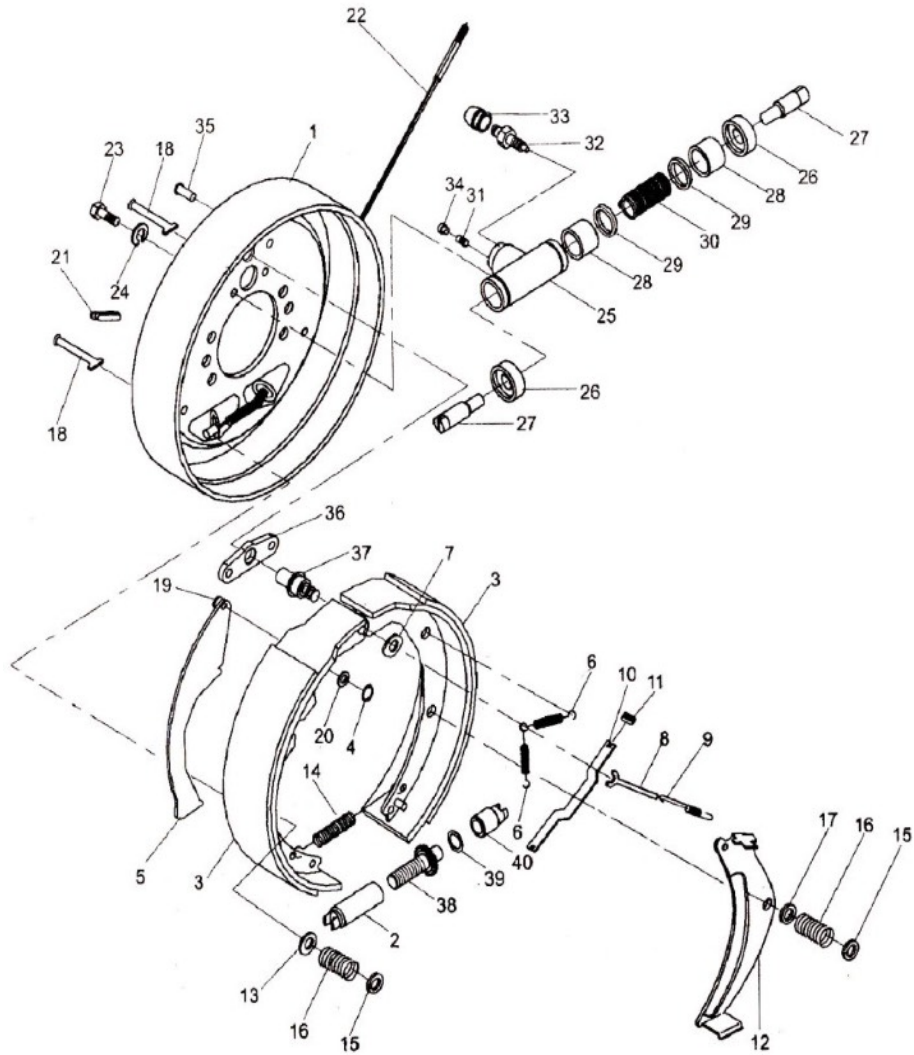


Fig. 3

Fig. 3**Brake assembly**

| No. | Coding | Description | Qty | Note |
|-----|------------------|----------------------------------|-----|-------------------|
| A | 25509851350 1 | Left brake assembly | 1 | Contains 1-4 0 |
| | 25509851350 8 | Right brake assembly | 1 | |
| 1 | | The left bottom | 1 | ▲ |
| | | The right bottom | 1 | ▲ |
| 2 | | Clearance adjusting sleeve | 1 | ▲ |
| 3 | 25509851350 2 | Friction plate assembly | 2 | |
| 4 | | Elastic gasket | 1 | ▲ |
| 5 | | Hand brake lever | 1 | ▲ |
| 6 | | Left return spring | 2 | ▲ |
| | | Right return spring | 2 | ▲ |
| 7 | | Gasket | 1 | ▲ |
| 8 | | The top bar | 1 | ▲ |
| 9 | | Return spring | 1 | ▲ |
| 10 | | Hand brake push rod | 1 | ▲ |
| 11 | | Compression spring | 1 | ▲ |
| 12 | | Adjust lever | 1 | ▲ |
| 13 | | Left adjust lever | 1 | ▲ |
| | | Right adjust lever | 1 | ▲ |
| 14 | | Spring | 3 | ▲ |
| 15 | | Pressure spring seat | 1 | ▲ |
| 16 | | Spring | 4 | ▲ |
| 17 | | Pressure spring seat | 4 | ▲ |
| 18 | | Pressure spring lever | 1 | ▲ |
| 19 | | Support pin | 4 | ▲ |
| 20 | | Gasket | 1 | ▲ |

| | | | | |
|--------------------------------|--|--------------------------------------|---|---|
| ²¹ Fig. 3 | | Rubber plug Brake assembly | 1 | ▲ |
|--------------------------------|--|--------------------------------------|---|---|

note: ▲Don't provide spare parts separately

Brake assembly

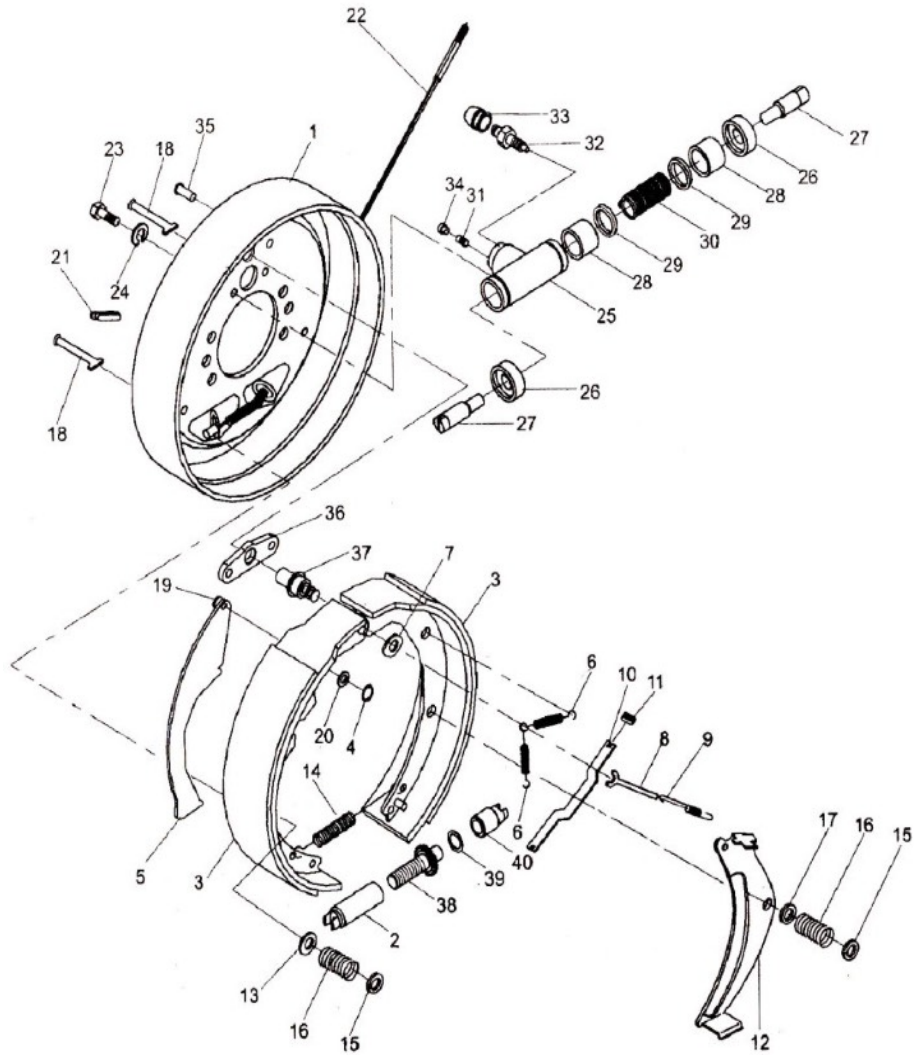


Fig. 3

Fig. 3**Brake assembly**

| NO. | Coding | Description | Qty. | Note |
|-----|------------------|---|------|--------------------------|
| V | 255098513 503 | Left brake cable assembly | 1 | |
| | 255098513 504 | Right brake cable assembly | 1 | |
| 23 | | Bolt M8X16 | 2 | ▲ |
| 24 | | Gasket 8 | 2 | ▲ |
| B | 255098513 505 | Right brake pump assembly | 1 | Contains (25-34) |
| | 255098513 806 | Left brake pump assembly | 1 | |
| 25 | | Right brake pump cylinder | 1 | ▲ |
| | | Left brake pump cylinder | 1 | ▲ |
| 26 | | Brake wheel cylinder cover | 2 | ▲ |
| 27 | | Brake wheel cylinder piston rod | 2 | ▲ |
| 28 | | Piston | 2 | ▲ |
| 29 | | Cylinder cup | 2 | ▲ |
| 30 | | Brake wheel cylinder spring | 1 | ▲ |
| 31 | | Pump oil plug braking point | 1 | ▲ |
| 32 | | The braking points deflated screw pump | 1 | ▲ |
| 33 | | Points deflated screw shield pump | 1 | ▲ |
| 34 | | Dust cover | 1 | ▲ |
| 35 | | Rivet | 2 | ▲ |
| 36 | | Plate | 1 | ▲ |
| 37 | | Support pin | 1 | ▲ |
| C | | Portclearance adjusting bolt assembly | 1 | Contains 2and39 √4 |
| | | Right clearance adjusting bolt assembly | 1 | |
| 2 | | Left clearance adjusting sleeve | 1 | ▲ |
| | | Right clearance adjusting sleeve | 1 | ▲ |

| | | | | |
|---------------|--|--------------------------------|---|---|
| Fig 38 | | Clearance adjusting bolt | 1 | ▲ |
| | | Right clearance adjusting bolt | 1 | ▲ |
| 39 | | Gasket 10 | 1 | ▲ |
| 40 | | Clearance adjusting lever | 1 | ▲ |

note: ▲Don't provide spare parts separately

Gear box

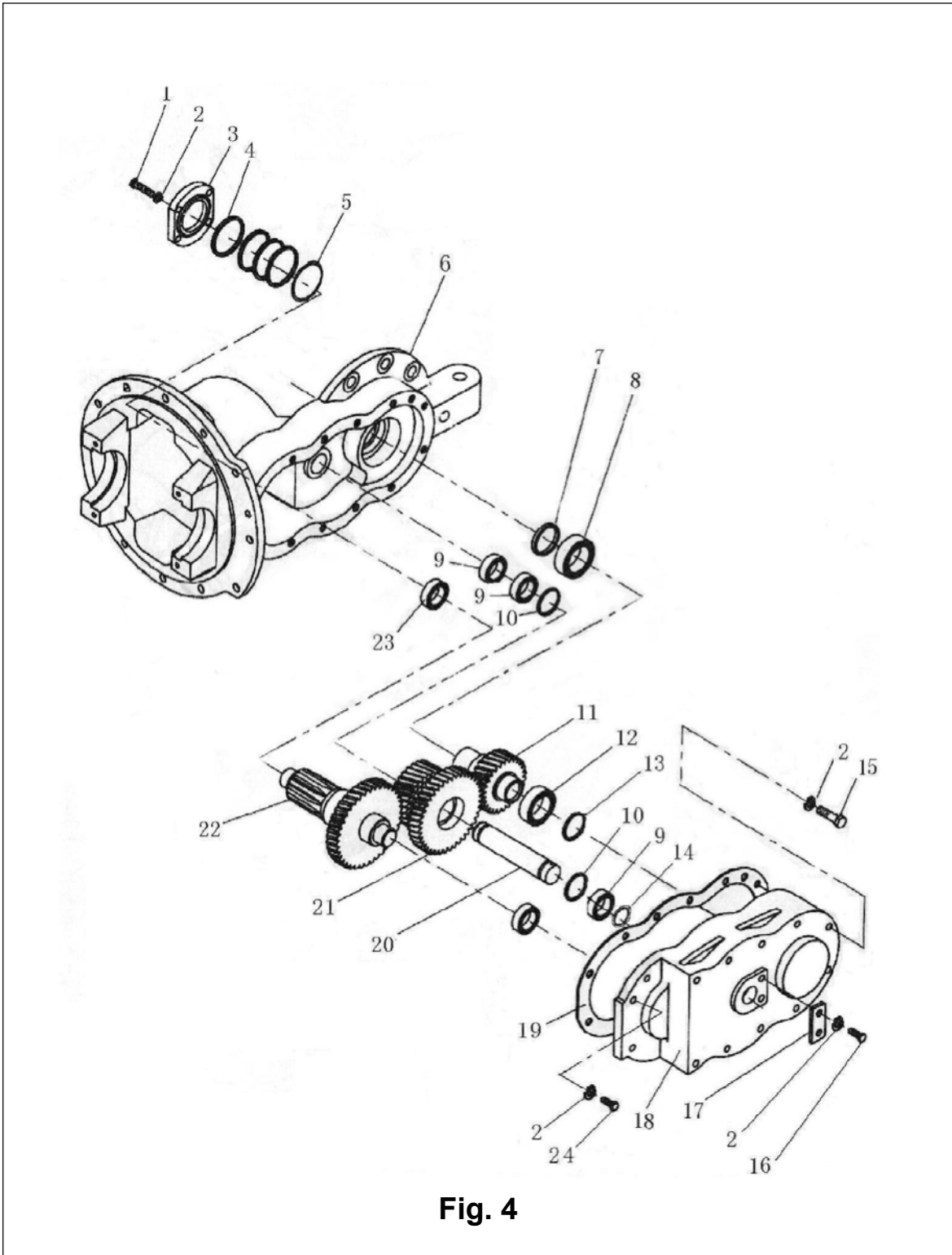


Fig. 4

Fig. 4**Gearbox**

| No. | Coding | Description | Qty | Note |
|-----|------------------|----------------------|-----|------|
| A | 2550140100 02 | Gearbox | 1 | |
| 1 | 2550985240 01 | Bolt | 4 | |
| 2 | 2550985240 02 | Spring washer | 20 | |
| 3 | 2550985240 03 | Bearing cap | 1 | |
| 4 | 2550985240 04 | Spacer | 4 | |
| 5 | 2550985240 05 | O seal ring | 1 | |
| 6 | 2550985240 06 | Box | 1 | |
| 7 | 2550985240 07 | Oil seal | 1 | |
| 8 | 2550985240 08 | Bearing | 1 | |
| 9 | 2550985240 09 | Bearing | 3 | |
| 10 | 2550985240 10 | O seal ring | 2 | |
| 11 | 25509852401 1 | Input shaft assembly | 1 | |
| 12 | 2550985240 12 | Bearing | 1 | |
| 13 | 2550985240 13 | Adjusting washer | 0 | |
| 14 | 2550985240 14 | Adjusting washer | 0 | |
| 15 | 2550985240 15 | Bolt | 12 | |
| 16 | 2550985240 16 | Bolt | 2 | |
| 17 | 2550985240 17 | Stop dog | 1 | |
| 18 | 2550985240 18 | Box cover | 1 | |

| | | | | |
|---------------|------------------|-----------------------------|---|--|
| Fig. 4 | 2550985240 19 | Paper pad Gearbox | 1 | |
| 20 | 2550985240 20 | axle | 1 | |
| 21 | 2550985240 21 | Gear | 1 | |
| 22 | 2550985240 22 | Gear assembly | 1 | |
| 23 | 2550985240 23 | Bearing | 2 | |
| 24 | 2550985240 24 | Bolt | 2 | |

Differential mechanism

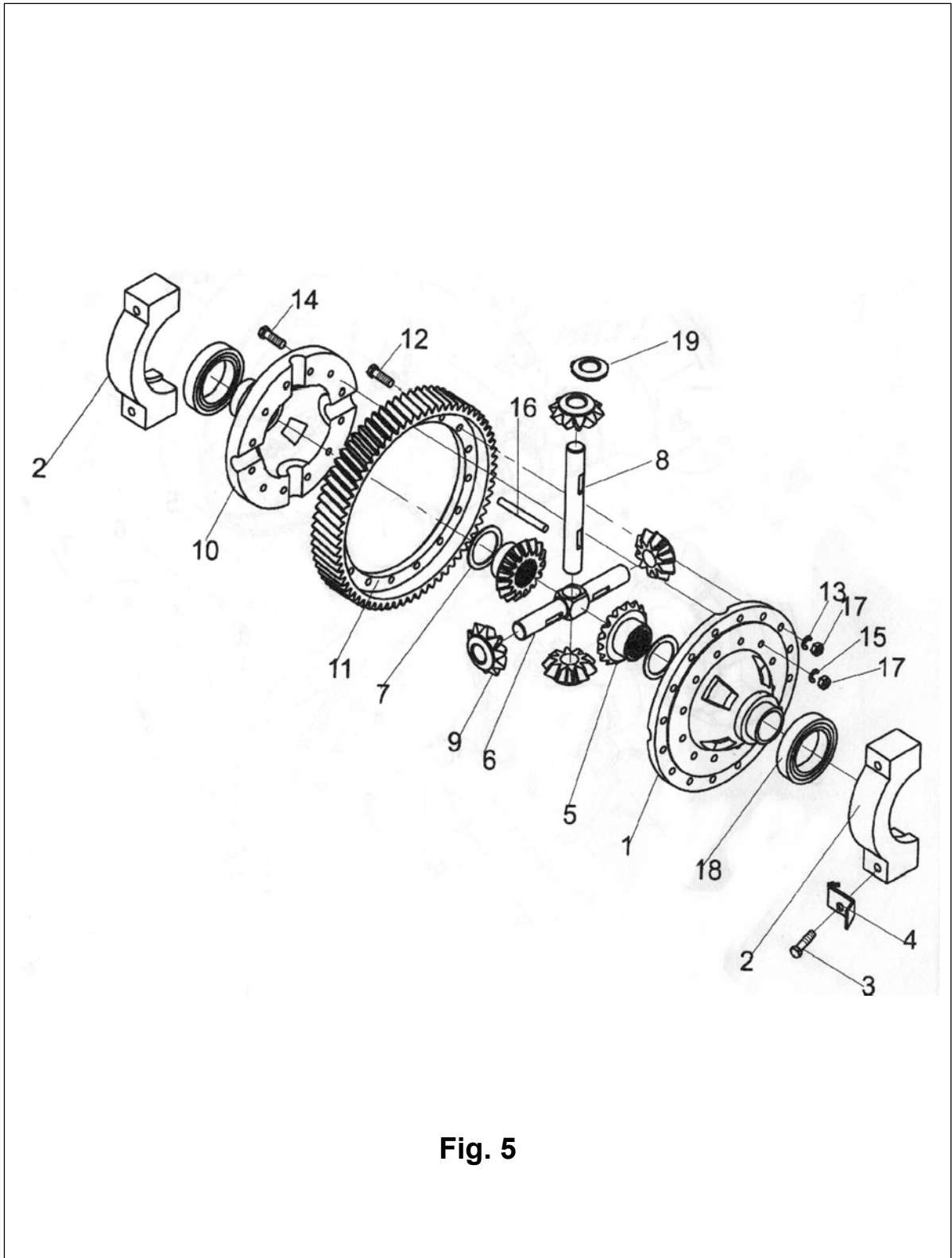


Fig. 5

Fig.5 Differential mechanism

| No. | Coding | Description | Qty | Note |
|-----|------------------|----------------------------|-----|------|
| 1 | 25509852402 4 | Left differential carrier | 1 | |
| 2 | 2550985240 25 | Bearing seat | 2 | |
| 3 | 2550985240 26 | Bolt | 4 | |
| 4 | 25509852402 7 | Locking plate | 4 | |
| 5 | 25509852402 8 | Gear | 2 | |
| 6 | 2550985240 29 | Axle | 1 | |
| 7 | 2550985240 30 | Washer | 2 | |
| 8 | 25509852403 1 | Gear axle(II) | 0 | |
| 9 | 25509852403 2 | Gear | 4 | |
| 10 | 25509852403 3 | Right differential carrier | 1 | |
| 11 | 2550985240 34 | Gear ring | 1 | |
| 12 | 2550985240 35 | Washer | 4 | |
| 13 | 2550985240 36 | Spacer | 6 | |
| 14 | 2550985240 37 | Bolt | 12 | |
| 15 | 2550985240 38 | Bearing | 2 | |
| 16 | 2550985240 39 | Dowel pin | 0 | |
| 17 | 25509852404 0 | Nut | 12 | |

Drive wheel assembly

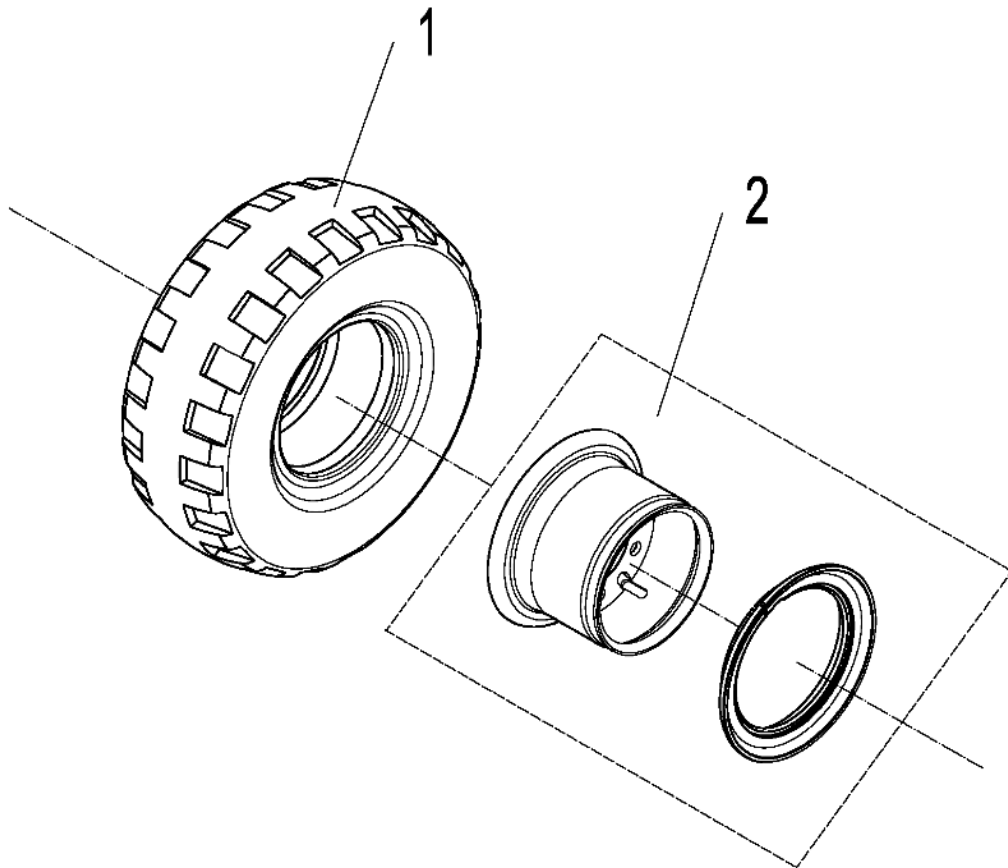


Fig. 6

Fig.6 Drive wheel assembly

| No. | Coding | Description | Qty | Note |
|----------|------------------|--|-----|------|
| A | 25501301001 0 | Drive wheel assembly 23x9-10-18PR(gas filled) | 2 | |
| | 25501301001 1 | Drive wheel assembly 23x9-10 (solid) | 2 | |
| | 25501301001 2 | Drive wheel assembly 23x9-10(environmental protection) | 2 | |
| 1 | 25501301000 2 | Pneumatic tyre 23x9-10-18PR | 2 | |
| | 25501301000 3 | Solid tyre 23x9-10 | 2 | |
| | 25501301000 7 | Environmental protection tyre 23x9-10 | 2 | |
| 2 | 25501301000 1 | Rim assembly 6.50F | 2 | |

Lifting motor and installation

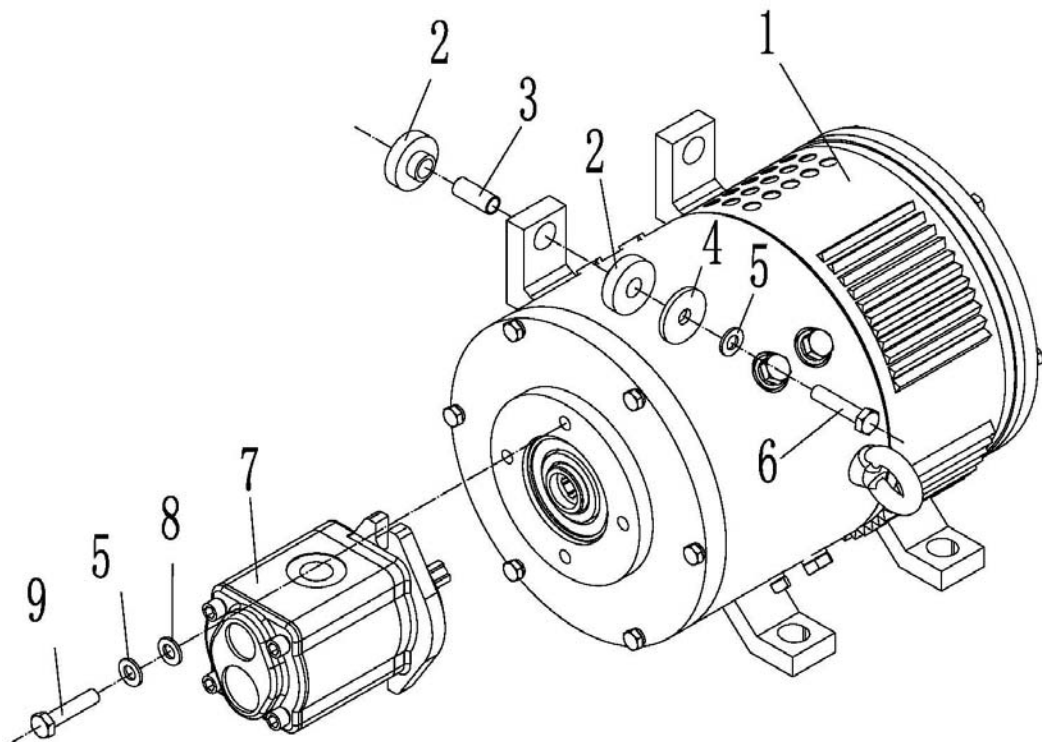


Fig. 7

Fig. 7 Lifting motor and installation

| No. | Coding | Description | Qty | Not e |
|-----|------------------|--|-----|----------|
| 1 | 9209001000 38 | Motor(AC)HPB8.6-4NL | 1 | |
| | 9209001000 41 | Motor(AC)YDB8-6-4 | 1 | |
| | 2550985132 51 | Encoder SNDH-T4L-G01 | 1 | |
| 2 | 2550325200 03 | Anti vibration pad | 8 | |
| 3 | 2550325200 01 | Bushing | 4 | |
| 4 | 2550325200 02 | Washer $\phi 40 \times \phi 11 \times 4$ | 4 | |
| 5 | 9104005000 07 | Washer GB93-10 | 6 | |
| 6 | 9101001000 34 | BoltGB5782-M10x55-8.8 | 4 | |
| 7 | 2550235100 06 | Gear pump | 1 | |
| 8 | 9104001000 07 | Washer GB97.1-10-200HV | 2 | |
| 9 | 9101003000 39 | Bolt GB5783-M10x40-8.8 | 2 | |

Battery and bracket

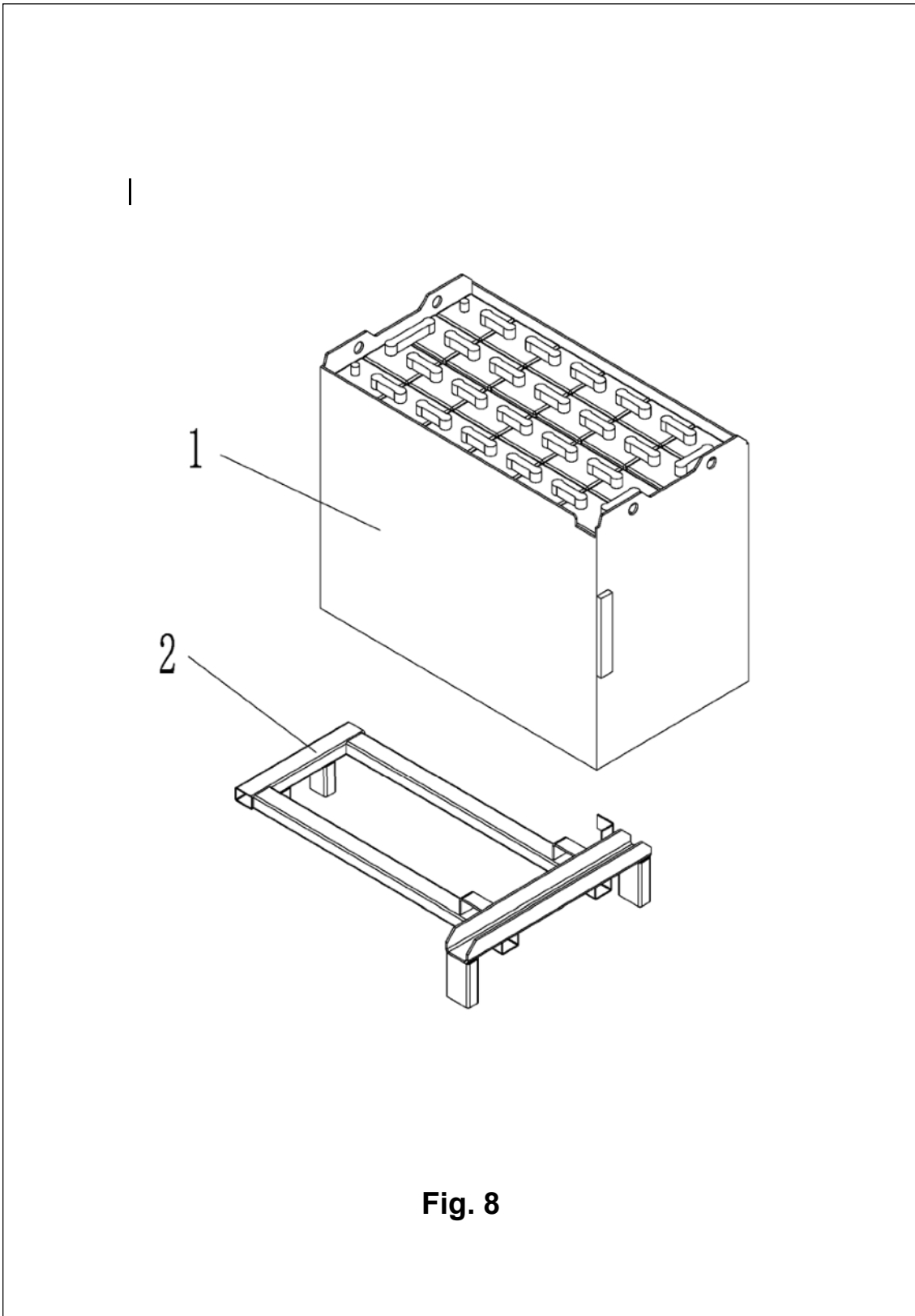


Fig. 8

Fig. 8**Battery and bracket**

| No. | Coding | Description | Qty | Note |
|-----|------------------|---------------------------------|-------------------------|----------|
| 1 | 2550370100 10 | Battery (48V600Ah) (weld,kuile) | 1 | |
| | 25503701001 1 | Battery (48V630Ah) (weld,kuile) | 1 | Optional |
| | 2550370100 12 | Battery (48V700Ah) (weld,kuile) | 1 | Optional |
| | 2550370100 13 | Battery (48V600Ah) (weld,huoju) | 1 | Optional |
| | 2550370100 14 | Battery (48V630Ah) (weld,huoju) | 1 | Optional |
| | 2550370100 15 | Battery (48V700Ah) (weld,huoju) | 1 | Optional |
| | 2550370100 16 | Battery (48V600Ah) (bolt,kuile) | 1 | Optional |
| | 2550370100 17 | Battery (48V630Ah) (bolt,kuile) | 1 | Optional |
| | 2550370100 18 | Battery (48V700Ah) (bolt,kuile) | 1 | Optional |
| | 2550370100 19 | Battery (48V600Ah) (bolt,huoju) | 1 | Optional |
| | 2550370100 20 | Battery (48V630Ah) (bolt,huoju) | 1 | Optional |
| | 2550370100 21 | Battery (48V700Ah) (bolt,huoju) | 1 | Optional |
| | 2550370100 22 | Battery (48V770Ah) (weld,huoju) | 1 | Optional |
| | 2550370100 23 | Battery (48V770Ah) (bolt,huoju) | 1 | Optional |
| | 25503701002 4 | Battery (48V600Ah)(bolt ,FAAM) | 1 | Optional |
| | 25503701002 5 | Battery (48V700Ah)(bolt ,FAAM) | 1 | Optional |
| | 2 | 25501251000 1 | Battery bracket welding | 1 |

Foot pedal

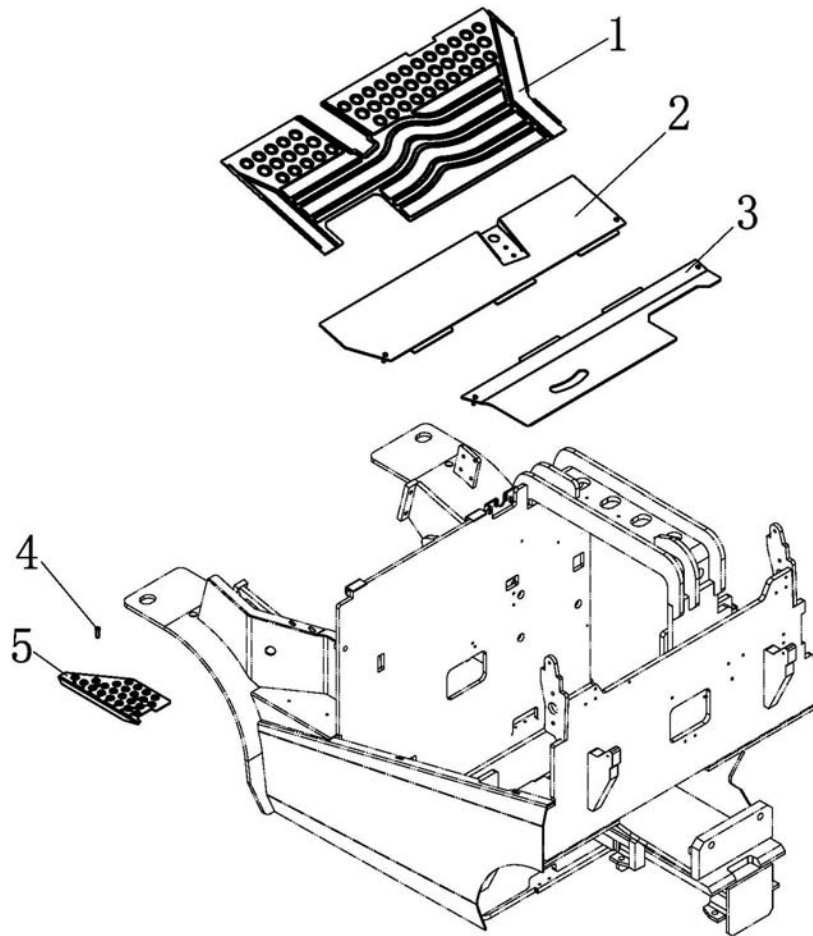


Fig. 9

Fig. 9**Foot pedal**

| No. | Coding | Description | Qty | Note |
|-----|------------------|-----------------------|-----|------|
| 1 | 2550180200 05 | Cushion | 2 | |
| 2 | 2550180100 01 | Floor welding (front) | 1 | |
| 3 | 2550180100 02 | Floor welding (rear) | 1 | |
| 4 | 94110010000 1 | Screw M8x12-8.8 | 2 | |
| 5 | 2550180200 06 | Foot pedal | 1 | |

Battery box cover

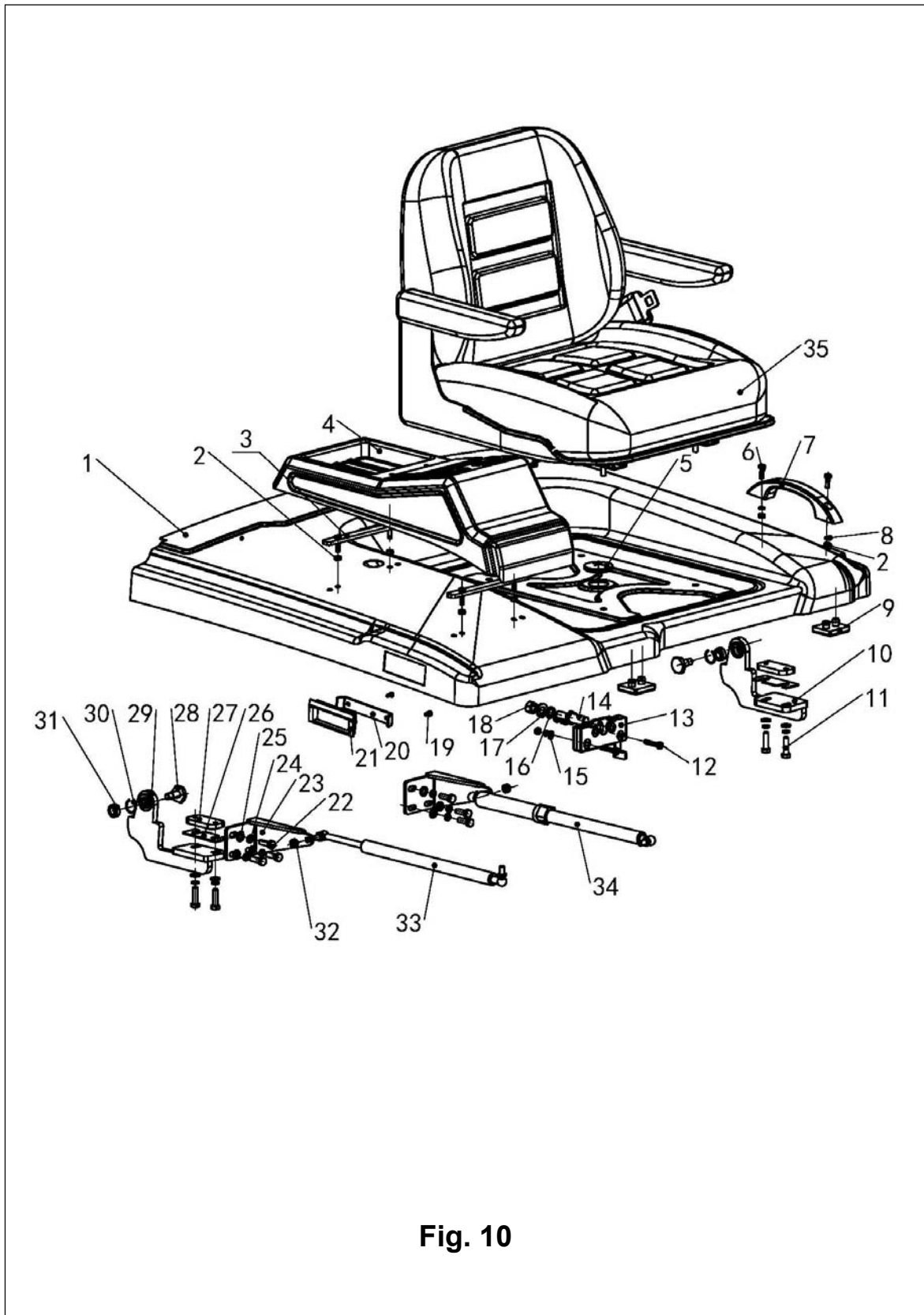


Fig. 10

Fig. 10**Battery box cover**

| No. | Coding | Description | Qty | Note |
|-----|------------------|---------------------------|-----|------|
| 1 | 25502101000 2 | Battery box cover welding | 1 | |
| 2 | 91030010000 5 | Nut GB6170-M6-10 | 8 | |
| 3 | 25502101001 6 | Pressing plate welding | 2 | |
| 4 | 2550210200 03 | Trim | 1 | |
| 5 | 25502102004 6 | Guard circle ϕ 35 | 1 | |
| 6 | 91020050005 3 | Screw GB818-M6x20-4.8 | 2 | |
| 7 | 25502102002 0 | Handle | 1 | |
| 8 | 9104005000 05 | Washer GB93-6 | 4 | |
| 9 | 2535210200 13 | Damping pad | 2 | |
| 10 | 25502101000 5 | Hinge welding (left) | 1 | |
| 11 | 9101003000 24 | Bolt GB5783-M8x30-8.8 | 4 | |
| 12 | 91020050005 6 | Screw GB818-M6x35-4.8 | 2 | |
| 13 | 25502101001 0 | Head cover lock | 1 | |
| 14 | 25502102005 2 | Lock tongue 2 | 1 | |
| 15 | 91040010000 5 | Washer GB97.1-6-200HV | 2 | |
| 16 | 9104005000 08 | Washer GB93-12 | 1 | |
| 17 | 9104001000 08 | Washer GB97.1-12-200HV | 1 | |
| 18 | 9103001000 08 | Nut GB6170-M12-10 | 1 | |
| 19 | 91020050002 1 | Screw GB818-M4x10-4.8 | 2 | |

| | | | | |
|----------------|------------------|--|----|--|
| Fig. 10 | 2550210200 55 | Fixing plate Battery box cover | 1 | |
| 21 | 2550210200 21 | Handle(inside) | 1 | |
| 22 | 91010030002 3 | Bolt GB5783-M8x25-8.8 | 6 | |
| 23 | 25502102004 7 | Holder | 2 | |
| 24 | 9104005000 06 | Washer GB93-8 | 10 | |
| 25 | 9104001000 06 | Washer GB97.1-8-200HV | 10 | |

Battery box cover

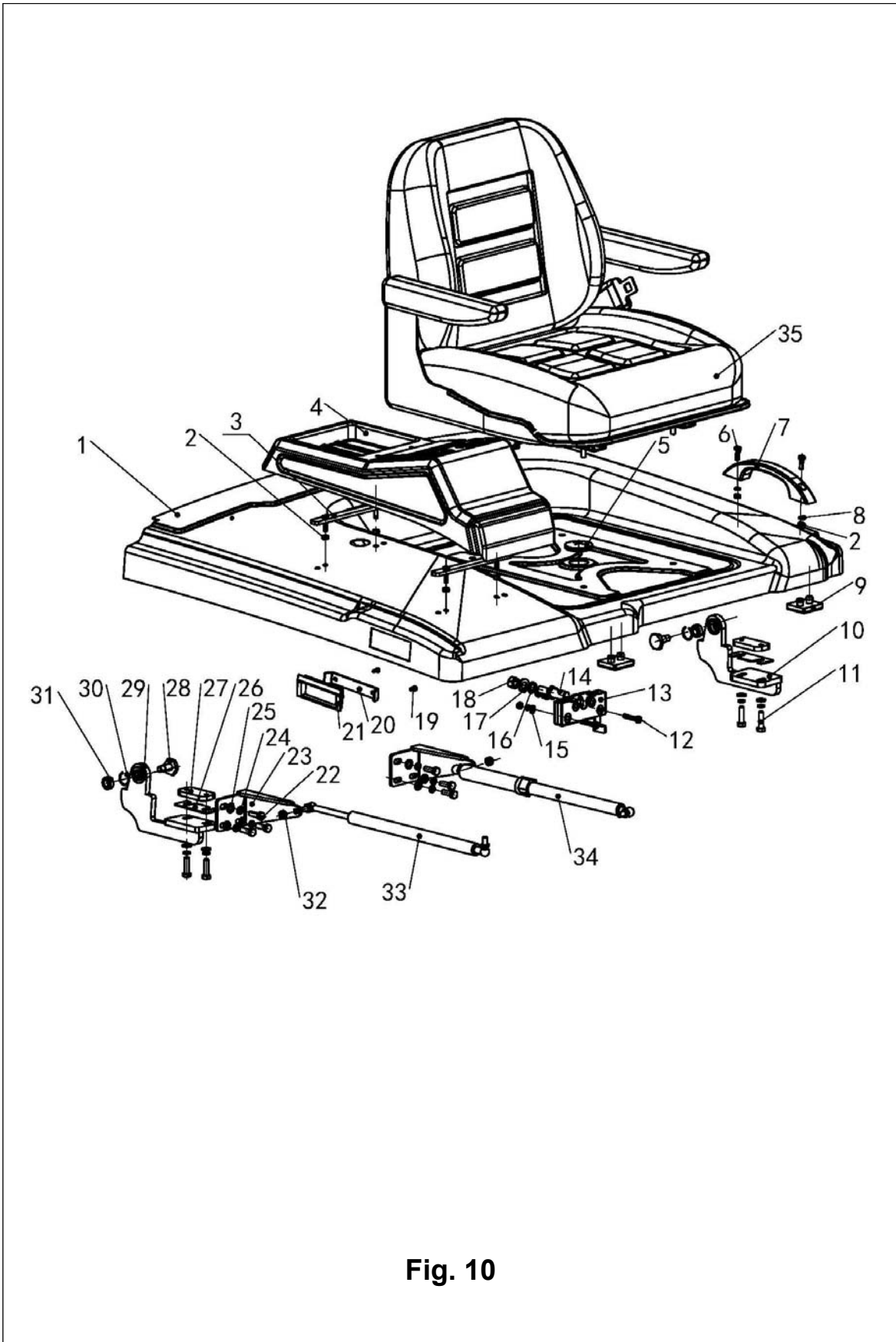


Fig. 10

Fig. 10 **Battery box cover**

| No. | Coding | Description | Qty | Note |
|-----|------------------|--------------------------------------|-----|------|
| 26 | 25502102005 4 | Adjusting pad | 2 | |
| 27 | 25502102004 5 | Bed plate | 2 | |
| 28 | 2550210200 43 | Bolt | 2 | |
| 29 | 2550210100 06 | Hinge welding (right) | 1 | |
| 30 | 91040150000 1 | Circlip GB895.1-22 | 2 | |
| 31 | 25502101001 4 | BearingGE12E | 2 | |
| 32 | 9103001000 06 | NutGB6170-M8-10 | 2 | |
| 33 | 9404001000 30 | Air spring 200N(D620) | 1 | |
| 34 | 94040010003 1 | Air spring500N(D620)-lock oneself | 1 | |
| 35 | 25103751000 1 | Seat(benfeng BF1-ABC) | 1 | |
| | 25503751000 1 | Seat (benfeng BF2-2(A)) | 1 | |

Right side door

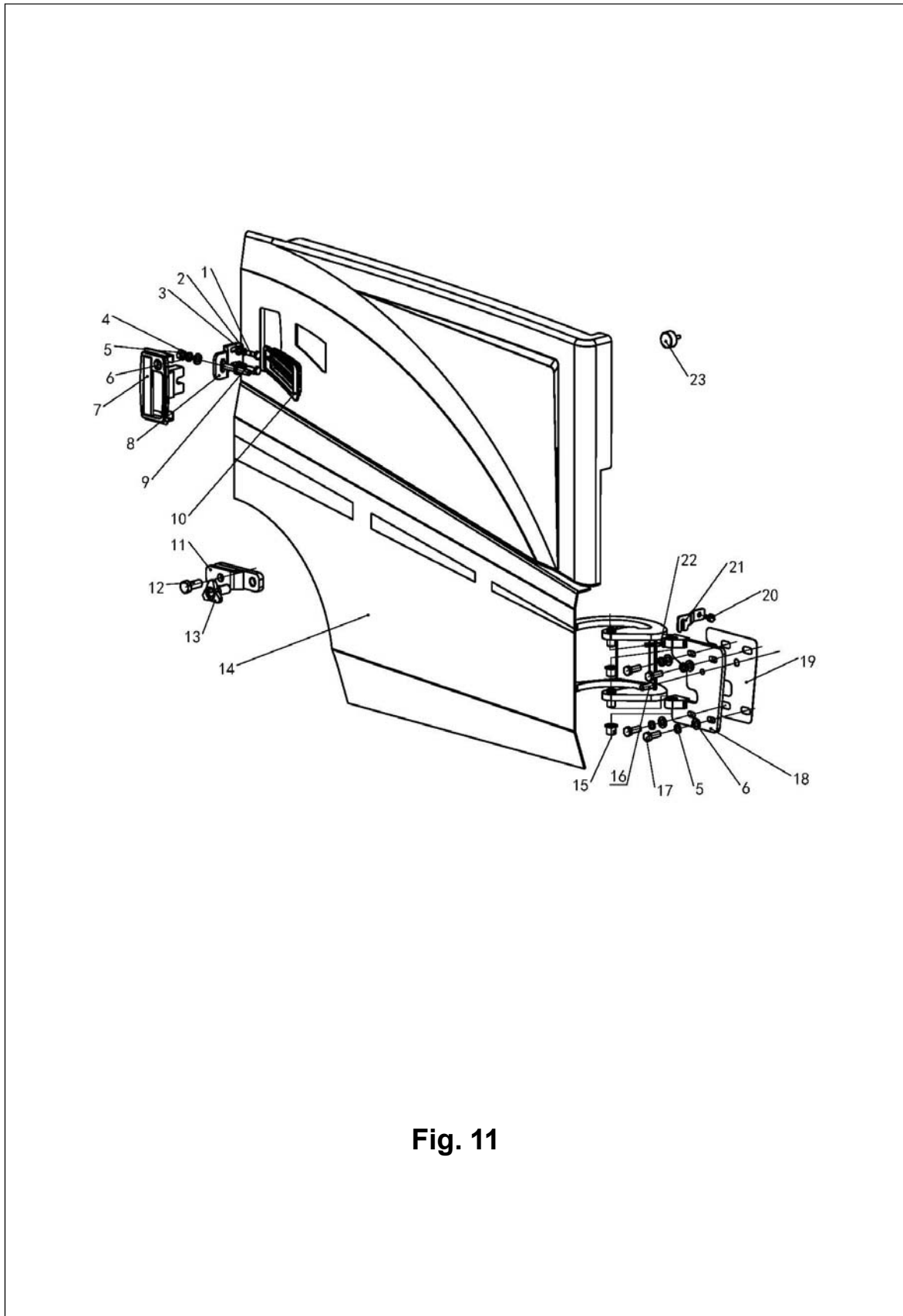


Fig. 11

Fig. 11**Right side door**

| No. | Coding | Description | Qty | Note |
|-----|------------------|---------------------------|-----|------|
| 1 | 9101003000 23 | Bolt GB5783-M8x25-8.8 | 2 | |
| 2 | 9104005000 06 | Washer GB93-8 | 2 | |
| 3 | 9104001000 06 | Washer GB97.1-8-200HV | 2 | |
| 4 | 9103001000 07 | Nut GB6170-M10-10 | 1 | |
| 5 | 9104005000 07 | Washer GB93-10 | 5 | |
| 6 | 9104001000 07 | Washer GB97.1-10-200HV | 5 | |
| 7 | 2550210100 09 | Side door lock | 1 | |
| 8 | 2550210200 39 | Fixing plate | 1 | |
| 9 | 2550210200 40 | Lock tongue 1 | 1 | |
| 10 | 5056215200 41 | Air hole (left) | 1 | |
| 11 | 2550210100 07 | Limit seat welding | 1 | |
| 12 | 9101003000 63 | Bolt GB5783-M14x35-8.8 | 2 | |
| 13 | 2550210200 59 | Star shaped handle | 1 | |
| 14 | 2550210100 01 | Side door welding (right) | 1 | |
| 15 | 9405002000 16 | Bushing 16x18x16-SF-1 | 2 | |
| 16 | 9106001000 31 | Dowel pin GB119.2-10x30 | 1 | |
| 17 | 9101003000 37 | Bolt GB5783-M10x30-8.8 | 4 | |
| 18 | 2550210100 04 | Hinge seat welding | 1 | |
| 19 | 2550210200 44 | Adjusting washer | 1 | |

| | | | | |
|----------------|------------------|--------------------------------|---|--|
| Fig. 11 | 2550210200 42 | Bolt Right side door | 1 | |
| 21 | 2550210200 41 | Limit plate | 1 | |
| 22 | 9101003000 14 | Bolt GB5783-M6x35-8.8 | 1 | |
| 23 | 5056180200 16 | Damping pad | 1 | |

Right side plate (hoisting frame)

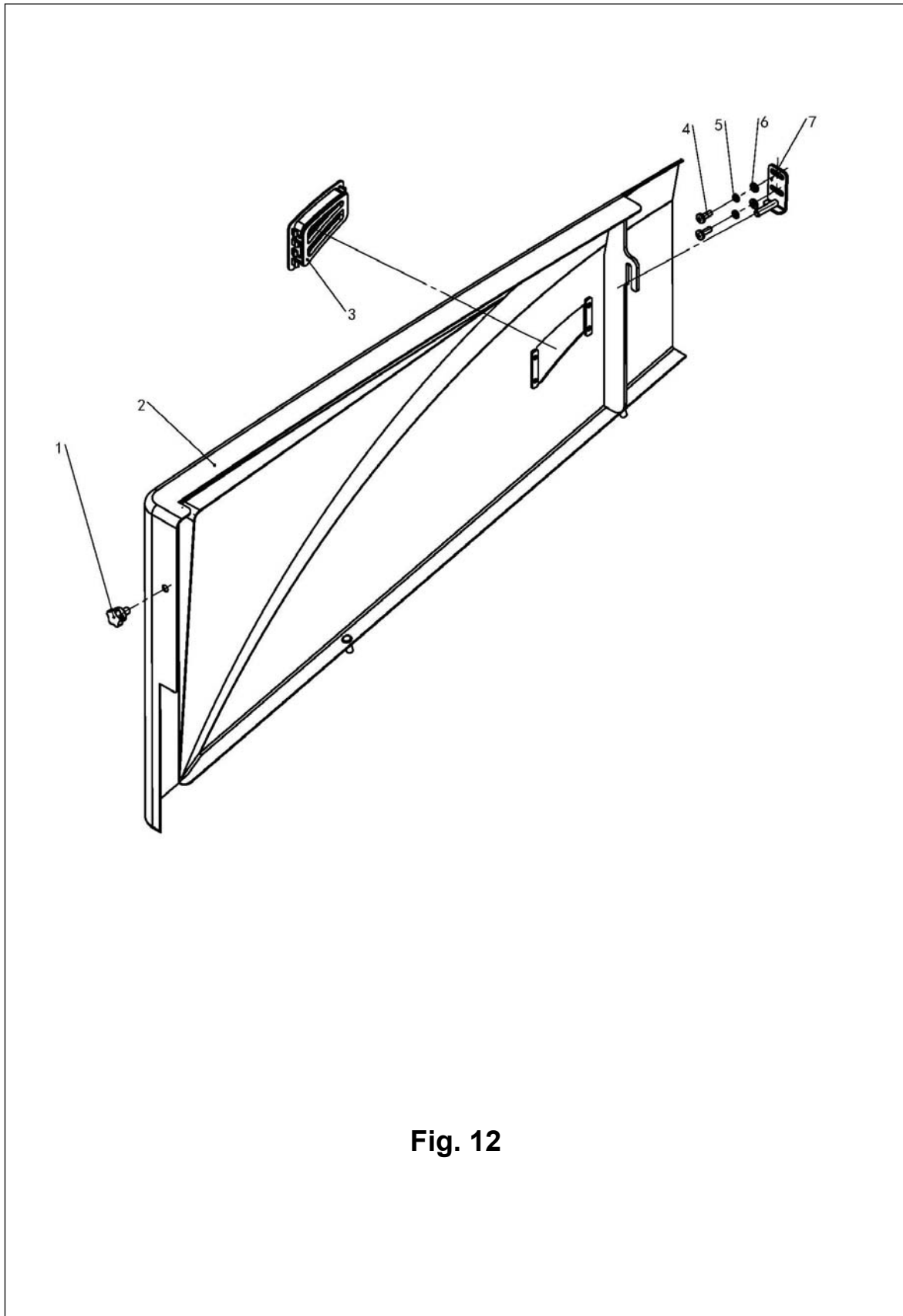


Fig. 12

Fig. 12 Right side plate (hoisting frame)

| No. | Coding | Description | Qty | Note |
|-----|------------------|--|-----|------|
| 1 | 2550210200 60 | Star shaped handle GB/T7274.4-12x50 | 1 | |
| 2 | 2550210100 17 | Side plate welding (right) | 1 | |
| 3 | 5056215200 41 | Air hole (left) | 1 | |
| 4 | 9102005000 52 | Screw GB818-M6x16-4.8 | 2 | |
| 5 | 9104005000 05 | Washer GB93-6 | 2 | |
| 6 | 9104001000 05 | Washer GB97.1-6-200HV | 2 | |
| 7 | 2550210100 15 | Hook welding (left) | 1 | |

Left cover plate

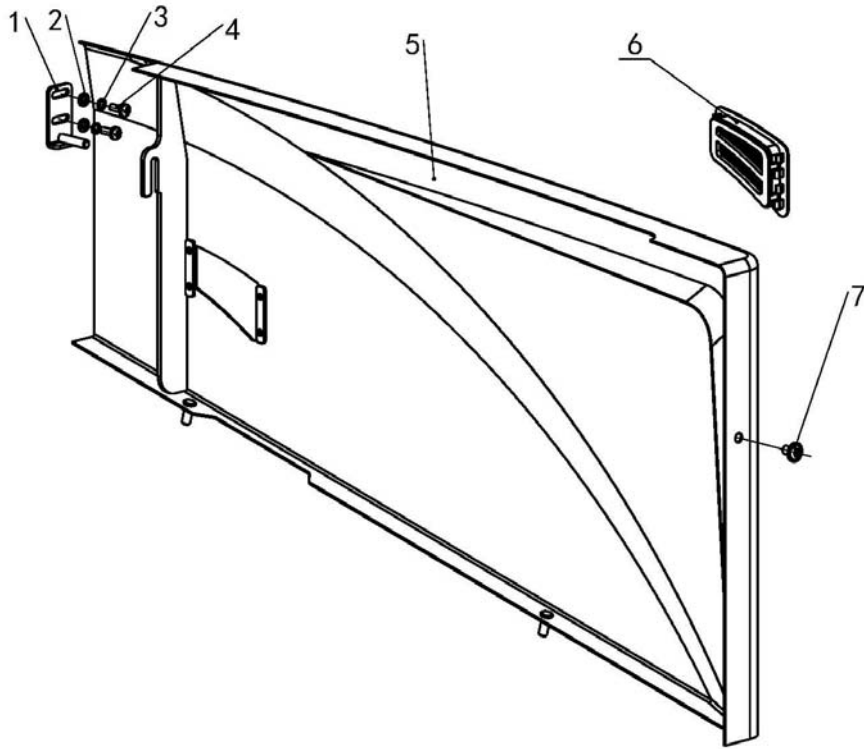


Fig. 13

Fig. 13**Left cover plate**

| No. | Coding | Description | Qty | Note |
|-----|------------------|---------------------------|-----|------|
| 1 | 2550210100 15 | Hook welding (left) | 1 | |
| 2 | 9104001000 05 | Washer GB97.1-6-200HV | 2 | |
| 3 | 9104005000 05 | Washer GB93-6 | 2 | |
| 4 | 9102005000 52 | Screw GB818-M6x16-4.8 | 2 | |
| 5 | 2550210100 03 | Side plate welding (left) | 1 | |
| 6 | 5056215100 04 | Air hole (right) | 1 | |
| 7 | 2550210200 60 | Bolt | 1 | |

Valve cover

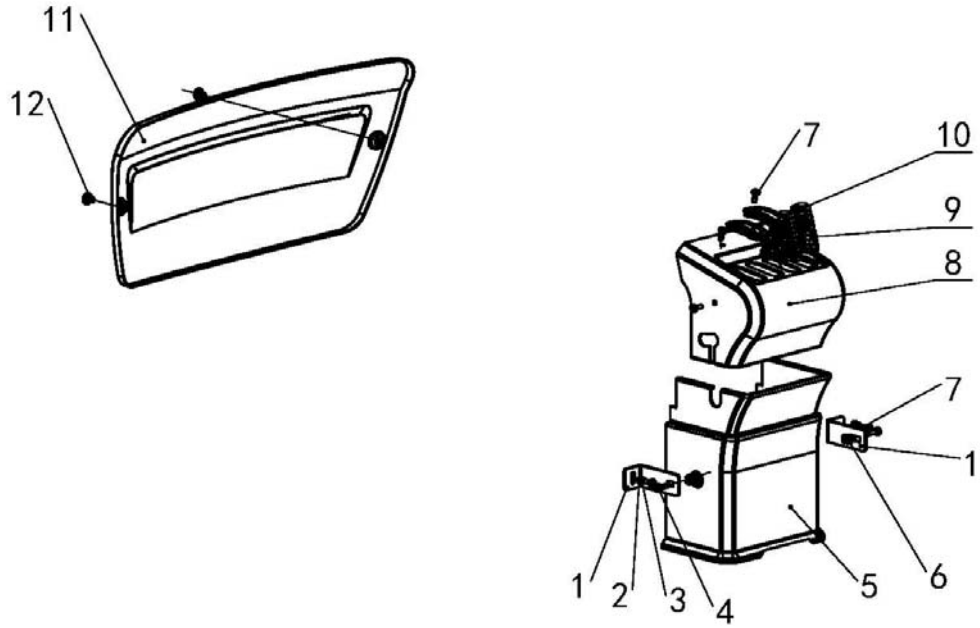


Fig. 14

Fig. 14**Valve cover**

| No. | Coding | Description | Qty | Note |
|-----|------------------|-----------------------|-----|------|
| 1 | 2550210200 51 | Holder | 2 | |
| 2 | 9104001000 05 | Washer GB97.1-6-200HV | 2 | |
| 3 | 9104005000 05 | Washer GB93-6 | 2 | |
| 4 | 9102005000 53 | Screw GB818-M6x20-4.8 | 2 | |
| 5 | 2550210200 02 | Protective cover 1 | 1 | |
| 6 | 2550210200 58 | M6 Nut | 4 | |
| 7 | 9102005000 52 | ScrewGB818-M6x16-4.8 | 6 | |
| 8 | 2550210200 01 | Protective cover 2 | 1 | |
| 9 | 2535210200 12 | Rubber sheath | 2 | |
| 10 | 2550245200 65 | Cap | 2 | |
| 11 | 2550245200 63 | Cover | 1 | |
| 12 | 94110010000 1 | ScrewM8X12-8.8 | 2 | |

Counter weight assembly

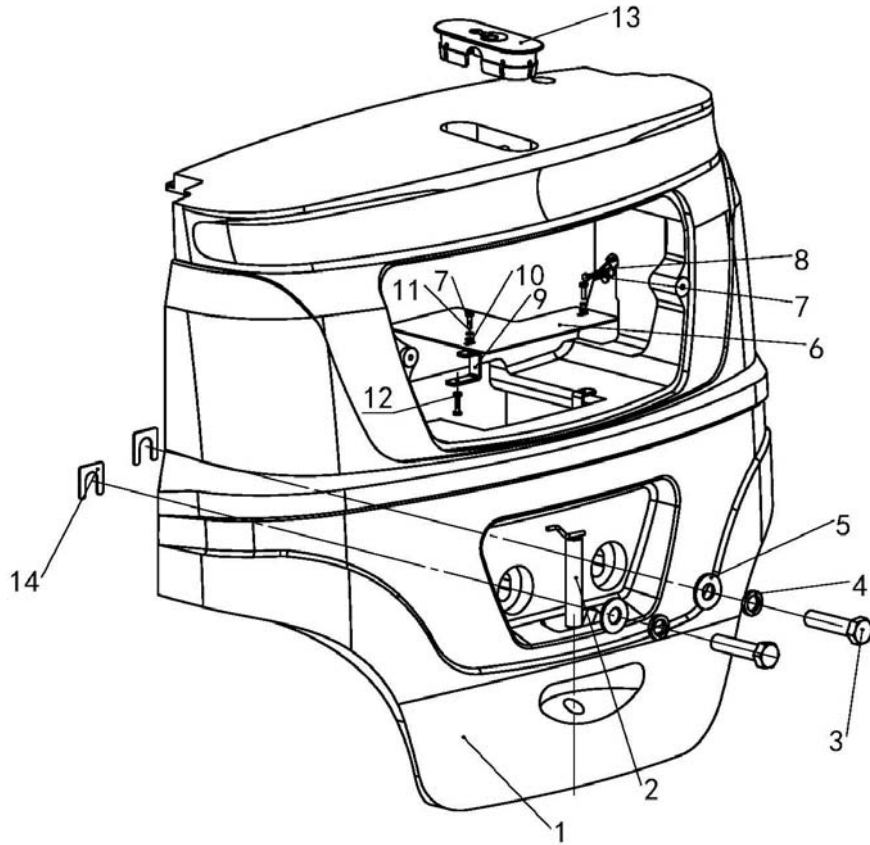


Fig. 15

Fig. 15**Counter weight assembly**

| No. | Coding | Description | Qty | Not e |
|-----|------------------|-------------------------|-----|----------|
| 1 | 2550230200 01 | Counter weight (2.5t) | 1 | |
| | 2545230200 01 | Counter weight (2.0t) | 1 | |
| 2 | 2550230100 01 | Pin | 1 | |
| 3 | 9101001001 01 | Bolt GB5782-M24x100-8.8 | 2 | |
| 4 | 9104005000 13 | Washer GB93-24 | 2 | |
| 5 | 2550230200 07 | Spacer | 2 | |
| 6 | 2550230200 05 | Dust plate | 1 | |
| 7 | 91010030001 1 | Bolt GB5783-M6x20-8.8 | 6 | |
| 8 | 2550230200 06 | Spacer | 2 | |
| 9 | 2550230200 04 | Splint | 2 | |
| 10 | 9104001000 05 | Washer GB97.1-6-200HV | 4 | |
| 11 | 9104005000 05 | Washer GB93-6 | 4 | |
| 12 | 9103001000 05 | NutGB6170-M6-10 | 2 | |
| 13 | 2550230200 02 | Cap | 1 | |
| 14 | 2550230200 03 | Spacer | 2 | |

Frame(sideway)

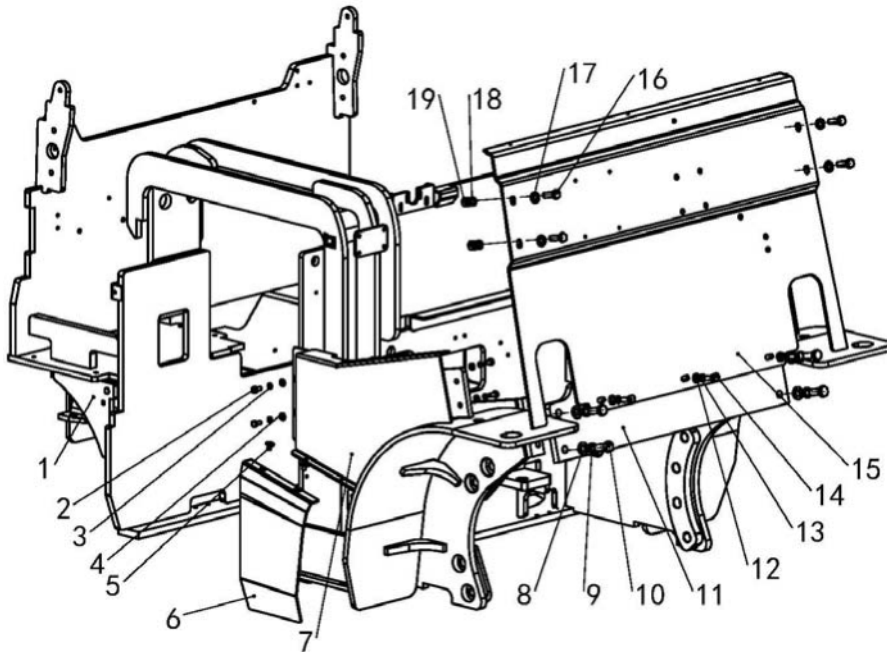


Fig. 16

Fig. 16**Frame(sidesway)**

| No. | Coding | Description | Qty | Note |
|-----|------------------|---------------------------------|-----|------|
| 1 | 2550215100 20 | Frame welding (middle of south) | 1 | |
| 2 | 9101003000 20 | Bolt GB5783-M8x16-8.8 | 4 | |
| 3 | 9104005000 06 | Washer GB93-8 | 4 | |
| 4 | 9104001000 06 | Washer GB97.1-8-200HV | 4 | |
| 5 | 94110010000 1 | Screw M8X12-8.8 | 2 | |
| 6 | 2550215100 04 | Side plate welding | 1 | |
| 7 | 2550215100 01 | Baffle welding | 1 | |
| 8 | 9104001000 09 | Washer GB97.1-14-200HV | 4 | |
| 9 | 9104005000 09 | Washer GB93-14 | 4 | |
| 10 | 9101003000 63 | Bolt GB5783-M14x35-8.8 | 4 | |
| 11 | 2550215100 10 | Plate welding | 1 | |
| 12 | 9104001000 07 | Washer GB97.1-10-200HV | 3 | |
| 13 | 9104005000 07 | Washer GB93-10 | 3 | |
| 14 | 9101003000 37 | Bolt GB5783-M10x30-8.8 | 3 | |
| 15 | 2550215100 09 | Indicator welding | 1 | |
| 16 | 9101003000 51 | Bolt GB5783-M12x35-8.8 | 4 | |
| 17 | 9104001000 08 | Washer GB97.1-12-200HV | 4 | |
| 18 | 9104005000 08 | Washer GB93-12 | 4 | |
| 19 | 9103001000 08 | Nut GB6170-M12-10 | 4 | |

Fig. 16

Frame(sidesway)

Frame (ceiling mounted)

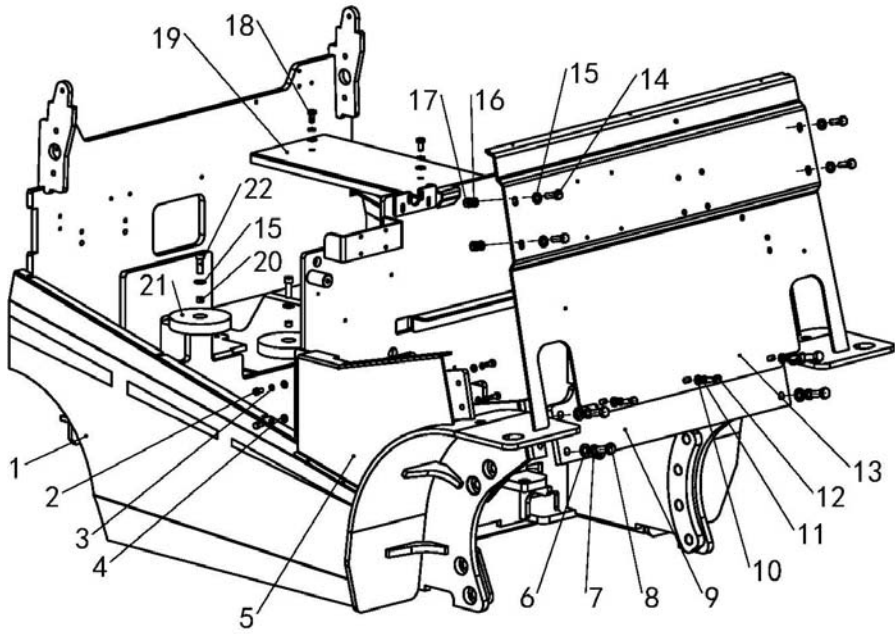


Fig. 17

Fig. 17**Frame (ceiling mounted)**

| No. | Coding | Description | Qty | Note |
|-----|------------------|--------------------------|-----|------|
| 1 | 2550215100 21 | Frame welding (crane) | 1 | |
| 2 | 9101003000 20 | Bolt GB5783-M8x16-8.8 | 4 | |
| 3 | 9104005000 06 | Washer GB93-8 | 4 | |
| 4 | 9104001000 06 | Washer GB97.1-8-200HV | 4 | |
| 5 | 2550215100 01 | Baffle welding | 1 | |
| 6 | 9104001000 09 | Washer GB97.1-14-200HV | 4 | |
| 7 | 9104005000 09 | Washer GB93-14 | 4 | |
| 8 | 9101003000 63 | Bolt GB5783-M14x35-8.8 | 4 | |
| 9 | 2550215100 10 | Plate welding | 1 | |
| 10 | 9104001000 07 | Washer GB97.1-10-200HV | 5 | |
| 11 | 9104005000 07 | Washer GB93-10 | 5 | |
| 12 | 9101003000 37 | Bolt GB5783-M10x30-8.8 | 3 | |
| 13 | 2550215100 09 | Indicator holder welding | 1 | |
| 14 | 9101003000 51 | Bolt GB5783-M12x35-8.8 | 4 | |
| 15 | 9104001000 08 | Washer GB97.1-12-200HV | 8 | |
| 16 | 9104005000 08 | Washer GB93-12 | 4 | |
| 17 | 9103001000 08 | Nut GB6170-M12-10 | 4 | |
| 18 | 9101003000 35 | Bolt GB5783-M10x30-8.8 | 2 | |
| 19 | 2550215201 01 | Cover plate | 1 | |

| | | | | | |
|----------------|------------------------|--------------------------------|--|---|--|
| Fig. 17 | 20 2535215200 63 | Frame (ceiling mounted) | Spacer $\phi 14.5 \times \phi 12.2 \times 10$ | 4 | |
| | 21 2535215200 62 | | Anti vibration pad $\phi 140 \times \phi 13 \times 25$ | 4 | |
| | 22 9102002000 99 | | Screw GB70.1-M12x35-8.8 | 4 | |

Control panel

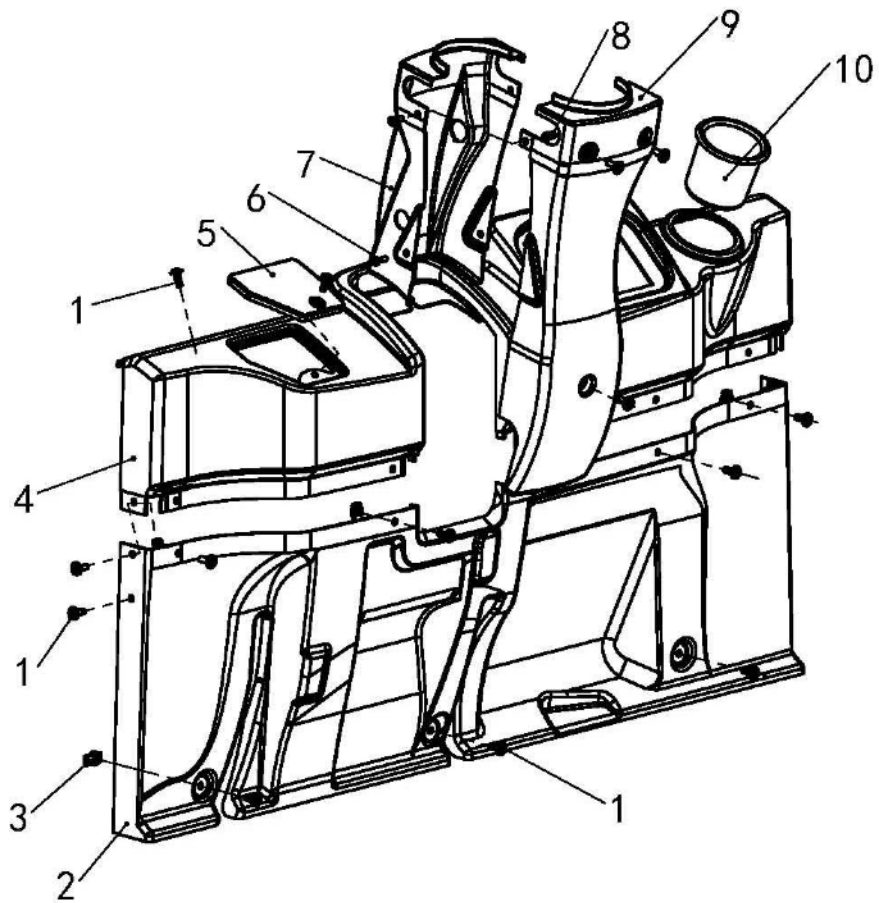


Fig. 18

Fig. 18**Control panel**

| No. | Coding | Description | Qty | Note |
|-----|------------------|-----------------------|-----|----------|
| 1 | 94110010000 9 | ScrewM6x12-8.8 | 19 | |
| 2 | 2550100200 02 | Cover | 1 | |
| 3 | 2550100200 09 | Nut M6 | 10 | |
| 4 | 2550100200 01 | Cover (Curtis) | 1 | |
| | 2550100200 07 | Cover (Inmotion) | 1 | Optional |
| 5 | 2550100200 03 | Lid | 1 | |
| 6 | 9102005000 40 | Screw GB818-M5x16-4.8 | 2 | |
| 7 | 2550100200 05 | Front cover | 1 | |
| 8 | 9103013000 01 | NutGB17880.1-M5x14 | 1 | |
| 9 | 2550100200 06 | Lid | 1 | |
| 10 | 2550100200 04 | Tool box | 1 | |

Steering mechanism and installatio

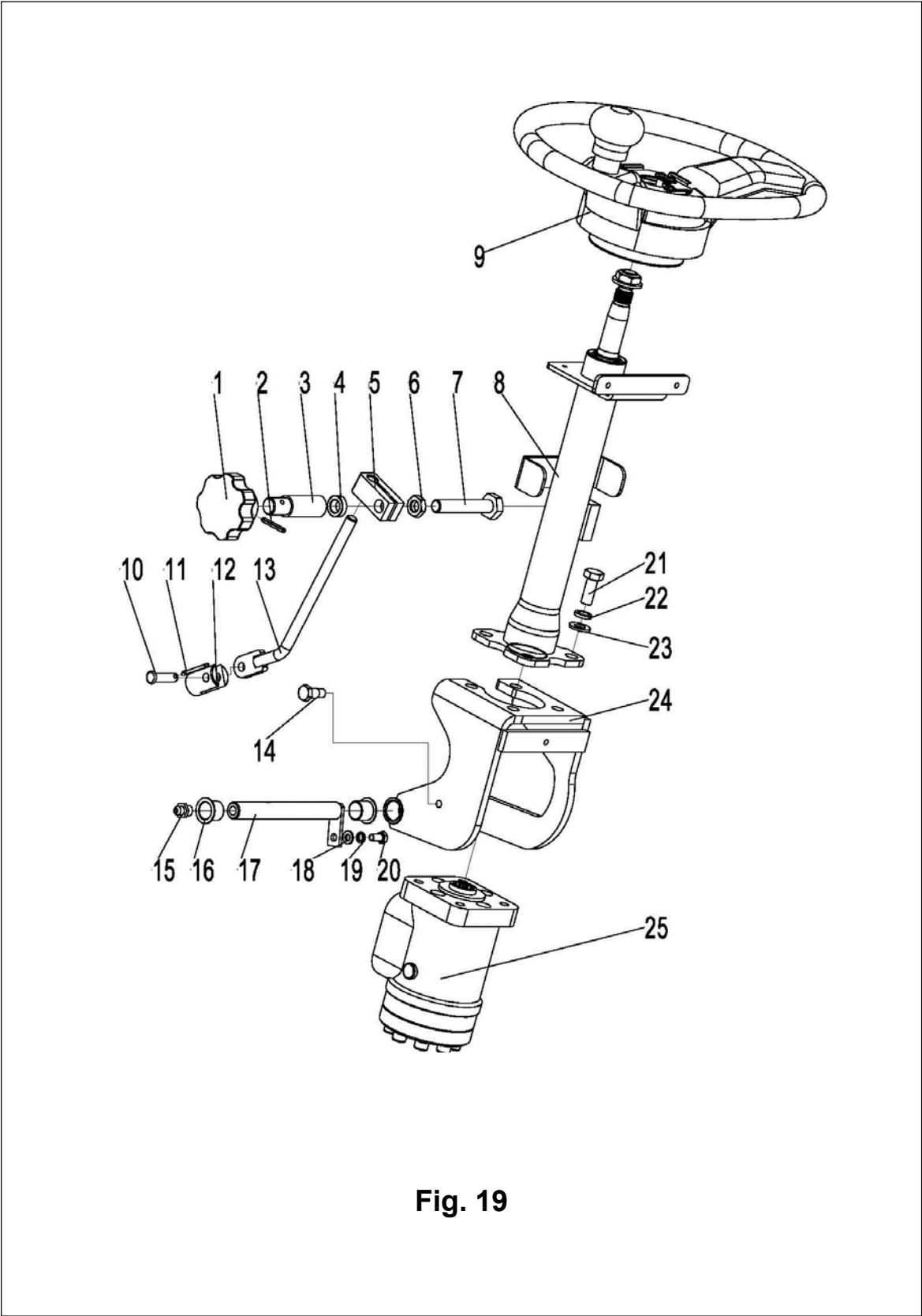


Fig. 19

Fig. 19 Steering mechanism and installation

| No. | Coding | Description | Qty | Note |
|-----|------------------|--|-----|------|
| 1 | 2550150100 07 | Adjustable handle | 1 | |
| 2 | 9106004000 15 | Dowel pin GB879.1-4x30 | 1 | |
| 3 | 2550150200 25 | Packing set | 1 | |
| 4 | 2550150200 18 | Washer $\Phi 20 \times \Phi 12 \times 8$ | 1 | |
| 5 | 2550150200 19 | Latch segment | 1 | |
| 6 | 9103003000 06 | Nut GB6172.1-M12-05 | 1 | |
| 7 | 9101003000 57 | Bolt GB5783-M12x70-8.8 | 1 | |
| 8 | 2550150100 01 | Steering column | 1 | |
| 9 | 2550150100 03 | Steering wheel | 1 | |
| 10 | 9106007000 14 | Short axle GB882-6x26x1.6 | 1 | |
| 11 | 9106006000 05 | Split pin GB91-1.6x10 | 1 | |
| 12 | 2550150200 02 | Fixed seat | 1 | |
| 13 | 2550150100 05 | Adjustable lever | 1 | |
| 14 | 2550150200 21 | Screw | 1 | |
| 15 | 91120010000 4 | Grease nipple JB7940.1-M10x1 | 1 | |
| 16 | 9405002000 16 | Bushing $\Phi 16 \times \Phi 18 \times 16$ -SF-1 | 2 | |
| 17 | 25501151000 3 | Shaft $\%c16 \times 135$ | 1 | |
| 18 | 9104001000 05 | Washer GB97.1-6-200HV | 1 | |
| 19 | 9104005000 05 | Washer GB93-6 | 1 | |

| | | | | |
|--|------------------|-------------------------------|---|--|
| 20 | 9101003000 09 | Bolt GB5783-M6x12-8.8 | 1 | |
| Fig. 19 Steering mechanism and installation | | | | |
| 21 | 9101003000 36 | Bolt GB5783-M10x25-8.8 | 4 | |
| 22 | 9104005000 07 | Washer GB93-10 | 4 | |
| 23 | 9104001000 07 | Washer GB97.1-10-200HV | 4 | |
| 24 | 2550150100 04 | Support welding | 1 | |
| 25 | 2550150100 02 | Steering gear BZZ5-E100BCF-H6 | 1 | |

Foot brake

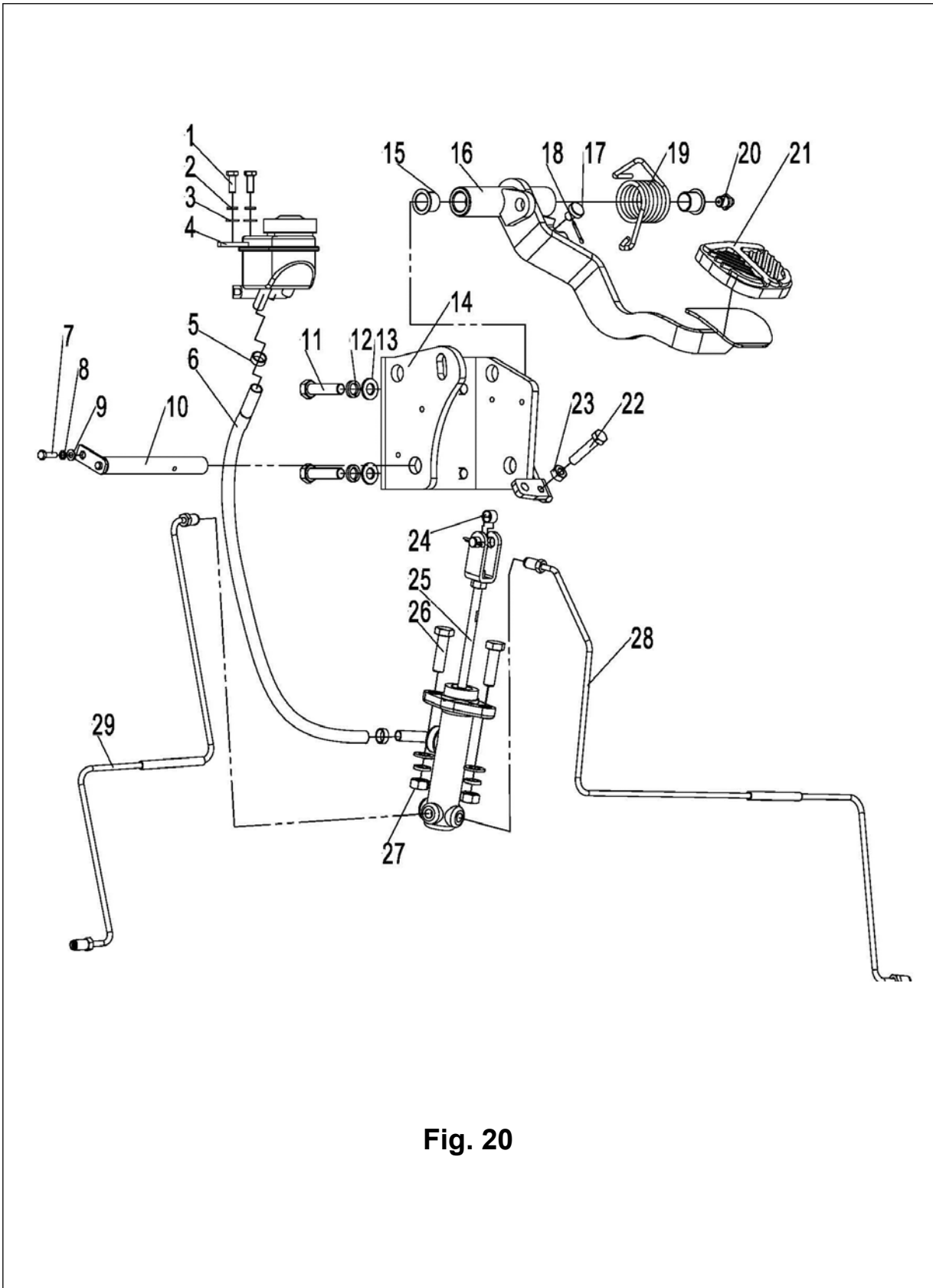


Fig. 20

Fig. 20**Foot brake**

| No. | Coding | Description | Qty | Note |
|-----|------------------|--------------------------------------|-----|------|
| 1 | 91010030001 0 | Bolt GB5783-M6x16-8.8 | 2 | |
| 2 | 91040050000 5 | Washer GB93-6 | 2 | |
| 3 | 91040010000 5 | Washer GB97.1-6-200HV | 2 | |
| 4 | 25501151000 6 | Grease nipple | 1 | |
| 5 | 91100060000 1 | Hose clamp QC/T390-(11-14) | 2 | |
| 6 | 25501152002 1 | Connecting pipe | 1 | |
| 7 | 91010030000 3 | Bolt GB5783-M5x12-8.8 | 1 | |
| 8 | 91040050000 4 | Washer GB93-5 | 1 | |
| 9 | 91040010000 4 | Washer GB97.1-5-200HV | 1 | |
| 10 | 25501151000 3 | Axle Φ 16x135 | 1 | |
| 11 | 91010030003 9 | Bolt GB5783-M10x40-8.8 | 4 | |
| 12 | 91040050000 7 | Washer GB93-10 | 6 | |
| 13 | 91040010000 7 | Washer GB97.1-10-200HV | 6 | |
| 14 | 25501151000 4 | Foot brake holder welding | 1 | |
| 15 | 94050010000 6 | Bushing Φ 16x Φ 18x15-SF-1 | 2 | |
| 16 | 25501151000 2 | Pedal weiding | 1 | |
| 17 | 25501152001 0 | Damping pad | 1 | |
| 18 | 91060060001 5 | Split pin GB91-2x20 | 1 | |
| 19 | 25501152000 8 | Spring | 1 | |

| | | | | |
|-------------------|------------------|---|---|--|
| 20 | 61120010000 4 | Grease nipple JB7940.1-M10x1 | 1 | |
| Foot brake | | | | |
| 21 | 25501152001 3 | Pedal (rubber) | 1 | |
| 22 | 91010010002 3 | Bolt GB5782-M8x45-8.8 | 1 | |
| 23 | 91030010000 6 | Nut GB6170-M8-10 | 1 | |
| 24 | 94050010004 8 | Bushing $\Phi 10 \times \Phi 12 \times 8$ -SF-1 | 1 | |
| 25 | 25501151000 1 | Brake pump assembly | 1 | |
| 26 | 91010030003 8 | Bolt GB5783-M10x35-8.8 | 2 | |
| 27 | 91030010000 7 | Nut GB6170-M10-10 | 2 | |
| 28 | 25501151000 9 | Hydraulic steel pipe welding 2 | 1 | |
| 29 | 25501151001 0 | Hydraulic steel pipe welding 1 | 1 | |

Parking brake

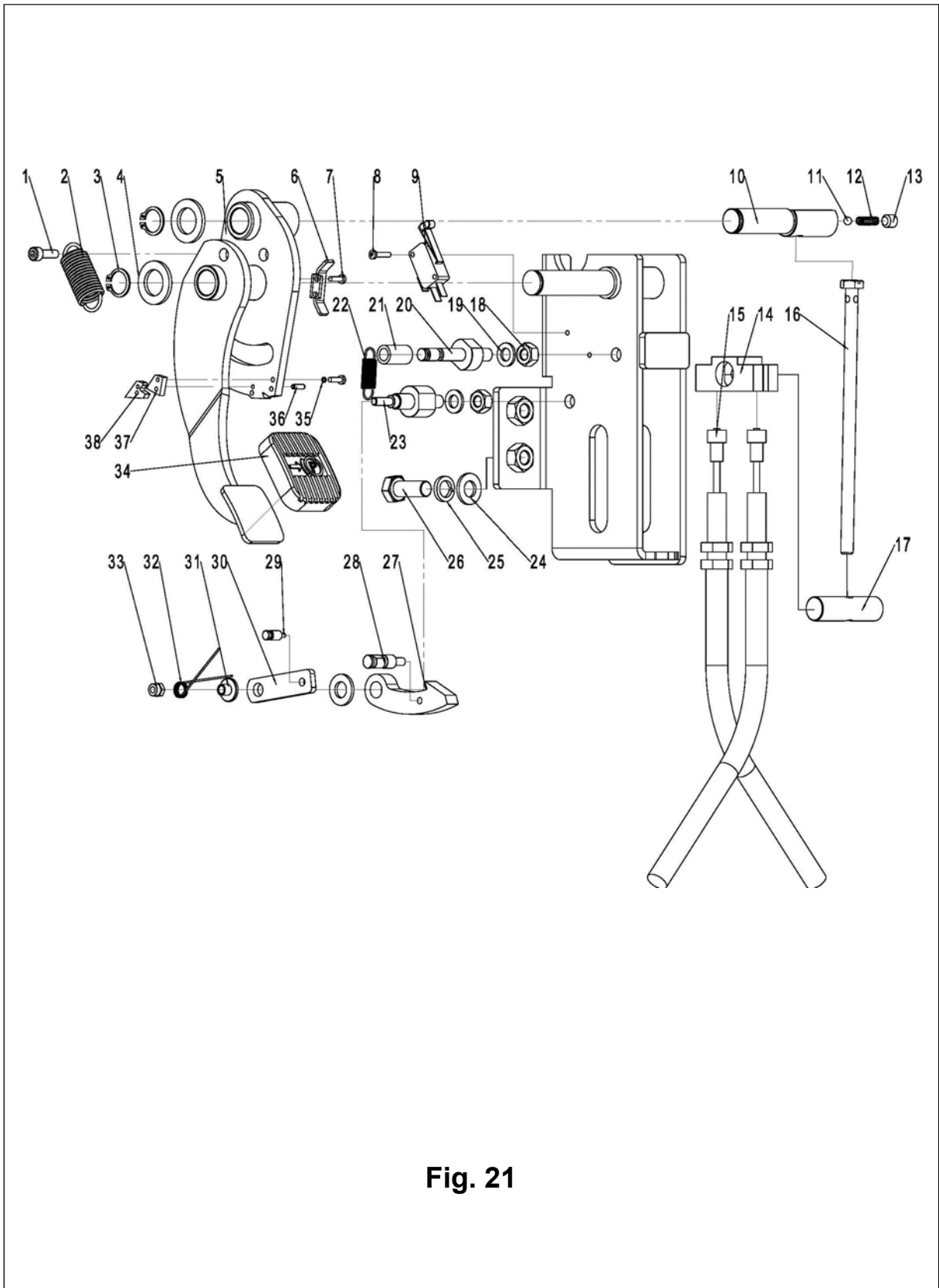


Fig. 21

Fig. 21**Parking brake**

| No. | Coding | Description | Qty | Note |
|----------|------------------|--------------------------|-----|---------------------------------|
| A | 255012010001 | Parking brake assembly | | ▲ Contains 1-38(notContains15) |
| 1 | | Screw GB70.1-M5x16-8.8 | 1 | ▲ |
| 2 | | Spring 2 | 1 | ▲ |
| 3 | | Circlip GB894.1-16 | 2 | ▲ |
| 4 | | Washer GB97.1-16-200HV | 2 | ▲ |
| 5 | | Pedal welding | 1 | ▲ |
| 6 | | Baffle | 1 | ▲ |
| 7 | | Screw GB818-M3x8-4.8 | 5 | ▲ |
| 8 | | Screw GB818-M3x20-4.8 | 2 | ▲ |
| 9 | 92020030000 9 | Micro switch RV-166-1C25 | 1 | |
| 10 | | Shaft | 1 | ▲ |
| 11 | | Steel ball GB308-5.5 | 1 | ▲ |
| 12 | | Spring | 1 | ▲ |
| 13 | | Screw GB77-M8x8-45H | 1 | ▲ |
| 14 | | Assembly seat | 1 | ▲ |
| 15 | | Hand brake wire rope | 2 | ▲ |
| 16 | | M8x170 Bolt | 1 | ▲ |
| 17 | | Axle | 1 | ▲ |
| 18 | | Nut GB6170-M8-10 | 2 | ▲ |
| 19 | | Washer GB97.1-8-200HV | 2 | ▲ |
| 20 | | Axle 3 | 1 | ▲ |
| 21 | | Polyurethane tube | 1 | ▲ |
| 22 | | Spring 1 | 1 | ▲ |
| 23 | | Axle 4 | 1 | ▲ |
| 24 | | Washer GB97.1-10-200HV | 4 | ▲ |

| | | | | |
|----------------|--|---|---|---|
| 25 | | Washer GB93-10 | 3 | ▲ |
| Fig. 21 | | Parking brake Bolt GB93-10 x 20 | 3 | ▲ |

Parking brake

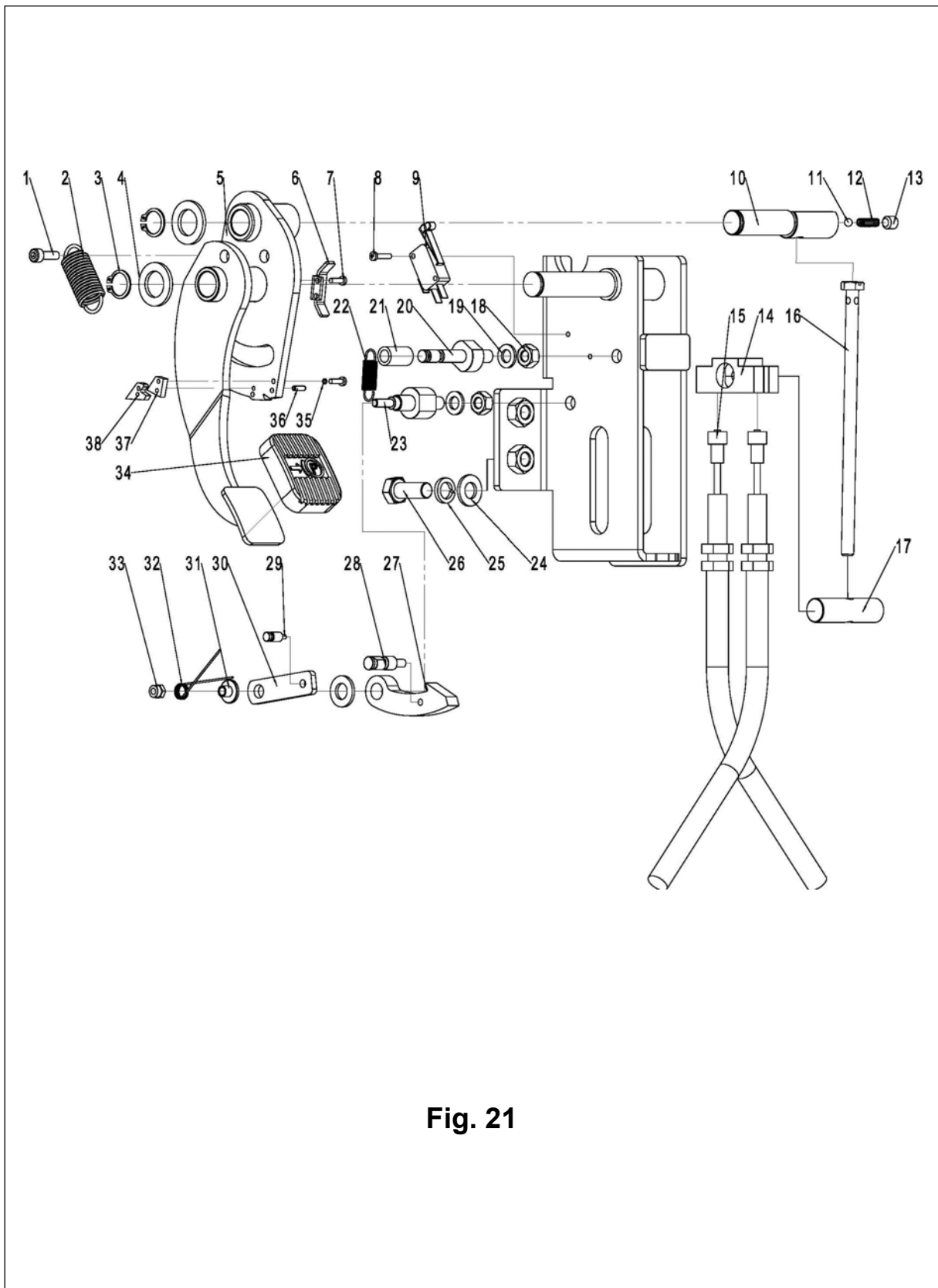


Fig. 21

Fig. 21**Parking brake**

| No. | Coding | Description | Qty. | Note |
|-----|--------|--------------------------|------|------|
| 27 | | Board 2 | 1 | ▲ |
| 28 | | Axle 1 | 1 | ▲ |
| 29 | | Axle 2 | 1 | ▲ |
| 30 | | Board 1 | 1 | ▲ |
| 31 | | Spring seat | 1 | ▲ |
| 32 | | Spring | 1 | ▲ |
| 33 | | Nut GB889.1-M5-10 | 1 | ▲ |
| 34 | | Pedal pad | 1 | ▲ |
| 35 | | Washer GB93-3 | 3 | ▲ |
| 36 | | Dowel pin GB879.1-2.5x10 | 1 | ▲ |
| 37 | | Board 2 | 1 | ▲ |
| 38 | | Board 3 | 1 | ▲ |

note: ▲Don't provide spare parts separately

Overhead guard and installation

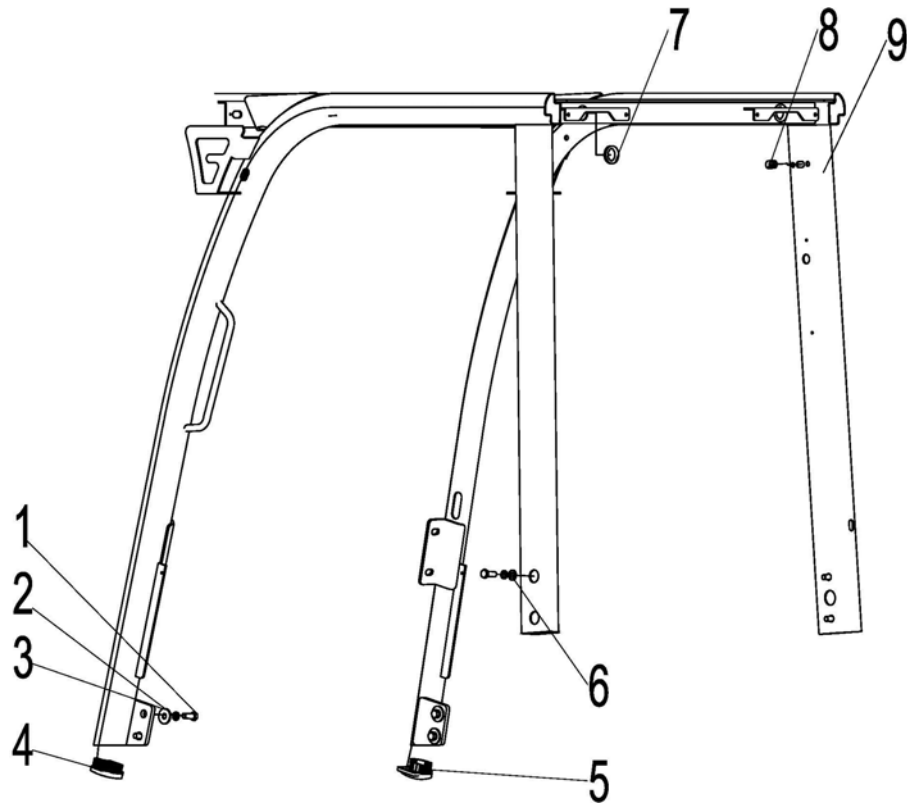


Fig. 22

Fig. 22 **Overhead guard and installation**

| No. | Coding | Description | Qty | Note |
|-----|------------------|------------------------|-----|------|
| 1 | 91010030005 0 | Bolt GB5783-M12x30-8.8 | 8 | |
| 2 | 91040050000 8 | Washer GB93-12 | 8 | |
| 3 | 91040010000 8 | Washer GB97.1-12-200HV | 4 | |
| 4 | 25502202000 2 | Special pipe cover | 1 | |
| 5 | 25502202000 1 | Special pipe cover | 1 | |
| 6 | 91040020000 5 | Washer GB96.1-12-200HV | 4 | |
| 7 | 25502202000 4 | Coil | 2 | |
| 8 | 25502202000 3 | Coil | 3 | |
| 9 | 25502201000 1 | Overhead guard welding | 1 | |

Rearview mirror installation

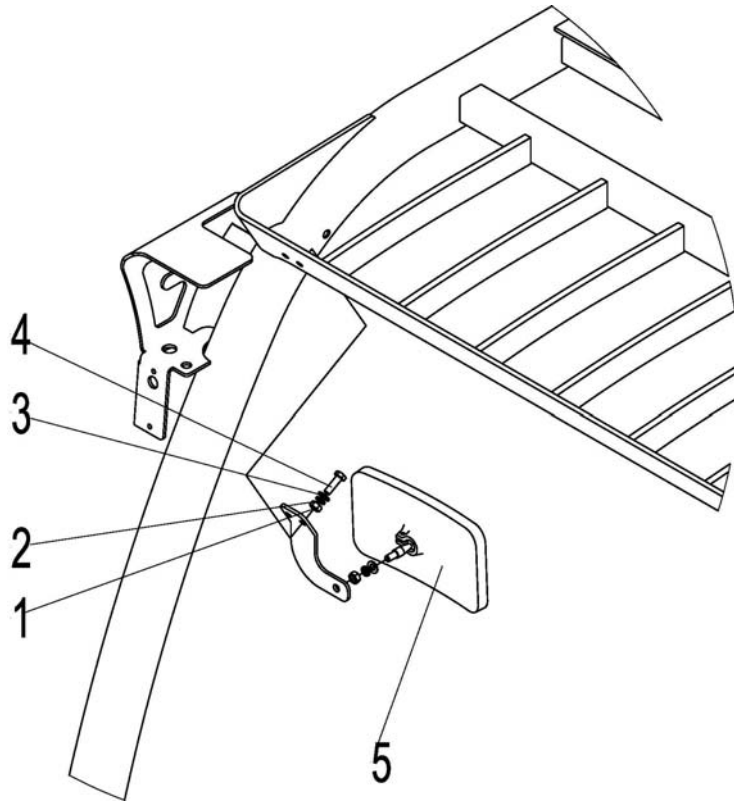


Fig. 23

Fig. 23 Rearview mirror installation

| No. | Coding | Description | Qty | Note |
|-----|------------------|-----------------------|-----|------|
| 1 | 91030010000 6 | Nut GB6170-M8-10 | 4 | |
| 2 | 91040050000 6 | Washer GB93-8 | 4 | |
| 3 | 91040010000 6 | Washer GB97.1-8-200HV | 4 | |
| 4 | 91010030002 2 | Bolt GB5783-M8x20-8.8 | 4 | |
| 5 | 27204951000 1 | Rearview mirror | 2 | |

Fig. 24 Steering axle and installation

| No. | Coding | Description | Qty | Note |
|-----|------------------|----------------------------|-----|------|
| A | 2550160100 01 | 2.5T steering axle | 1 | |
| 1 | 2550985260 01 | Steering bridge assembly | 1 | |
| 2 | 2550985260 02 | Linking rod | 2 | |
| 3 | 2550985160 03 | Steering cylinder assembly | 1 | |
| 4 | 2550160200 01 | Anti vibration pad | 2 | |
| 5 | 2550215200 91 | Fixing plate | 2 | |
| 6 | 2550985260 04 | Left knuckle assembly | 1 | |
| 7 | 2550985260 05 | Bearing | 2 | |
| 8 | 2550985260 06 | Bearing 943/32 | 2 | |
| 9 | 2550985260 07 | Pin | 2 | |
| 10 | 2550985260 08 | Dowel pin10x20 | 2 | |
| 11 | 9104013000 07 | Circlip GB894.1-16 | 8 | |
| 12 | 2550985260 09 | Y seal ring | 2 | |
| 13 | 2550985260 10 | Pad | 4 | |
| 14 | 9103001000 08 | Nut GB6170-M12-10 | 12 | |
| 15 | 9104001000 09 | Washer GB97.1-14-200HV | 4 | |
| 16 | 2550985260 11 | Bearing 32209 | 2 | |
| 17 | 2550985260 12 | Bearing 30207 | 2 | |
| 18 | 2550985260 13 | Nut M30x2 | 2 | |

| | | | | |
|---|------------------|------------------------|---|--|
| 19 | 9104001000 16 | Washer GB97.1-30-200HV | 2 | |
| Fig. 24 Steering axle and installation | | | | |
| 20 | 2550985260 14 | Pin 5x65 | 2 | |
| 21 | 2550985260 15 | Wheel hub cover | 2 | |
| 22 | 2550985260 16 | Steering wheel hub | 2 | |
| 23 | 2550985260 17 | Pin | 2 | |
| 24 | 9103001000 07 | Nut GB6170-M10-10 | 2 | |
| 25 | 9104001000 07 | Washer GB97.1-10-200HV | 2 | |
| 26 | 2550985260 18 | Bushing | 2 | |
| 27 | 2550985260 19 | Grease nipple | 4 | |

Fig. 24 Steering axle and installation

| No. | Coding | Description | Qty | Note |
|-----|------------------|--|-----|------|
| 28 | 2550985260 20 | Right knuckle assembly 1 | 1 | |
| 29 | 2550985260 21 | Bolt M14x40 | 4 | |
| 30 | 9104005000 09 | Washer GB93-14 | 4 | |
| 31 | 2550985260 22 | O ring | 2 | |
| 32 | 2550985160 23 | Oil seal | 4 | |
| 33 | 2550985260 24 | Bushing $\Phi 24 \times \Phi 27 \times 30$ -SF-1 | 4 | |
| 34 | 9101003000 52 | Bolt GB5783-M12x40-8.8 | 2 | |
| 35 | 2550985260 25 | Grease nipple (90°) | 2 | |
| 36 | 9103001000 10 | Nut GB6170-M16-10 | 4 | |
| 37 | 9101003000 71 | Bolt GB5783-M16x45-8.8 | 4 | |
| 38 | 9104005000 10 | Washer GB93-16 | 4 | |
| 39 | 2550985260 26 | Linking pin | 4 | |
| 40 | 2550985260 27 | ES Bearing | 4 | |

Steering cylinder

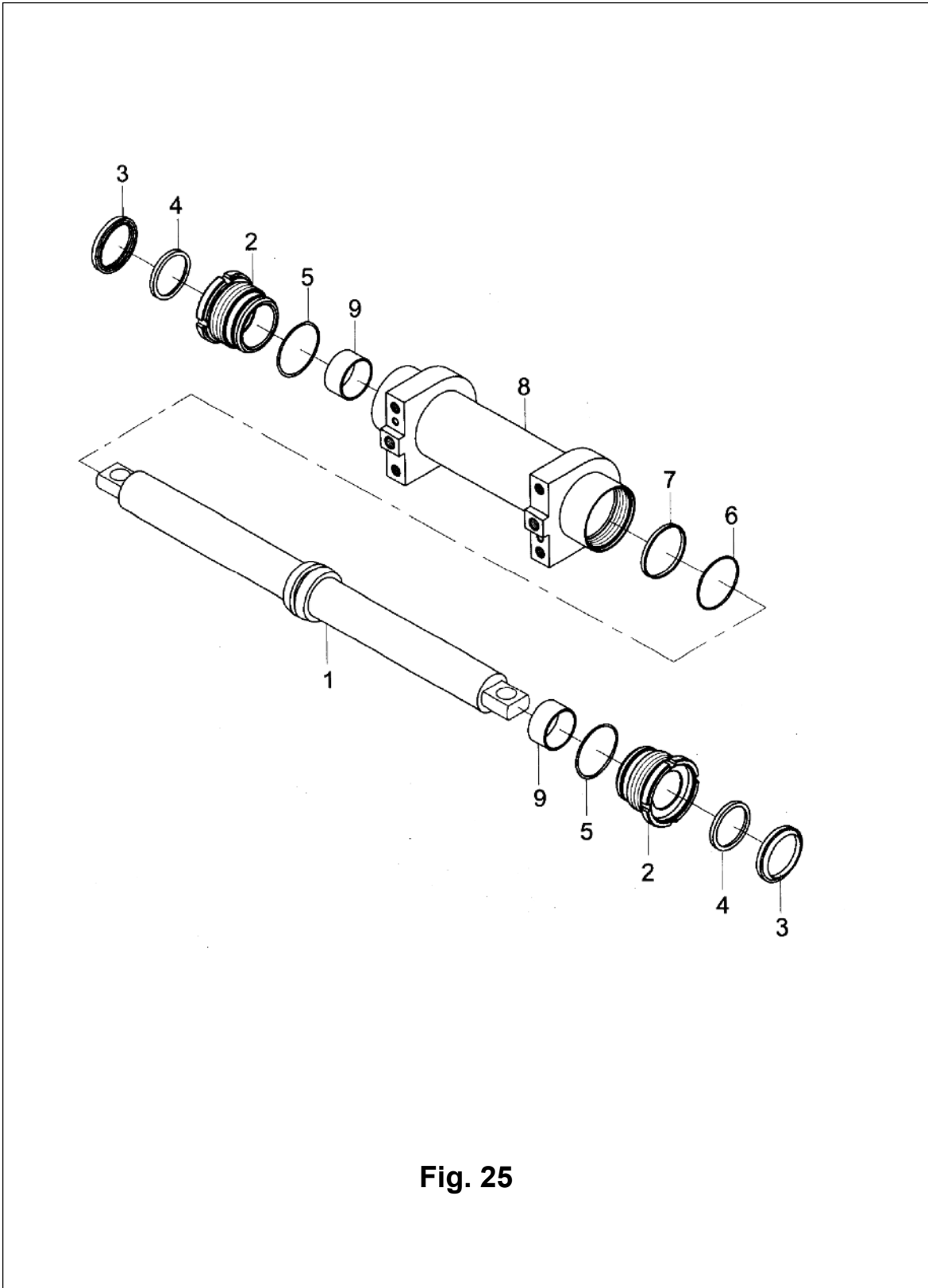


Fig. 25

Fig. 25 Steering cylinder

| No. | Coding | Description | Qty | Note |
|-----|------------------|---|-----|---------------------|
| A | 2550985160 03 | Steering cylinder | 1 | |
| B | 2550985100 07 | Sealing part maintenance package (steering cylinder) | 1 | Including 3.4.5.6.7 |
| 1 | | Piston rod assembly | 1 | ▲ |
| 2 | | Cylinder cover | 2 | ▲ |
| 3 | | Dust ring DH50 | 2 | ▲ |
| 4 | | U ringUN50 | 2 | ▲ |
| 5 | | O ring63×3.55 | 2 | ▲ |
| 6 | | O ring60×3.55 | 1 | ▲ |
| 7 | | Support ring | 1 | ▲ |
| 8 | | Cylinder assembly | 1 | ▲ |
| 9 | | Bearing | 2 | ▲ |

Note: Spare parts will not be provided separately

Steering wheel assembly

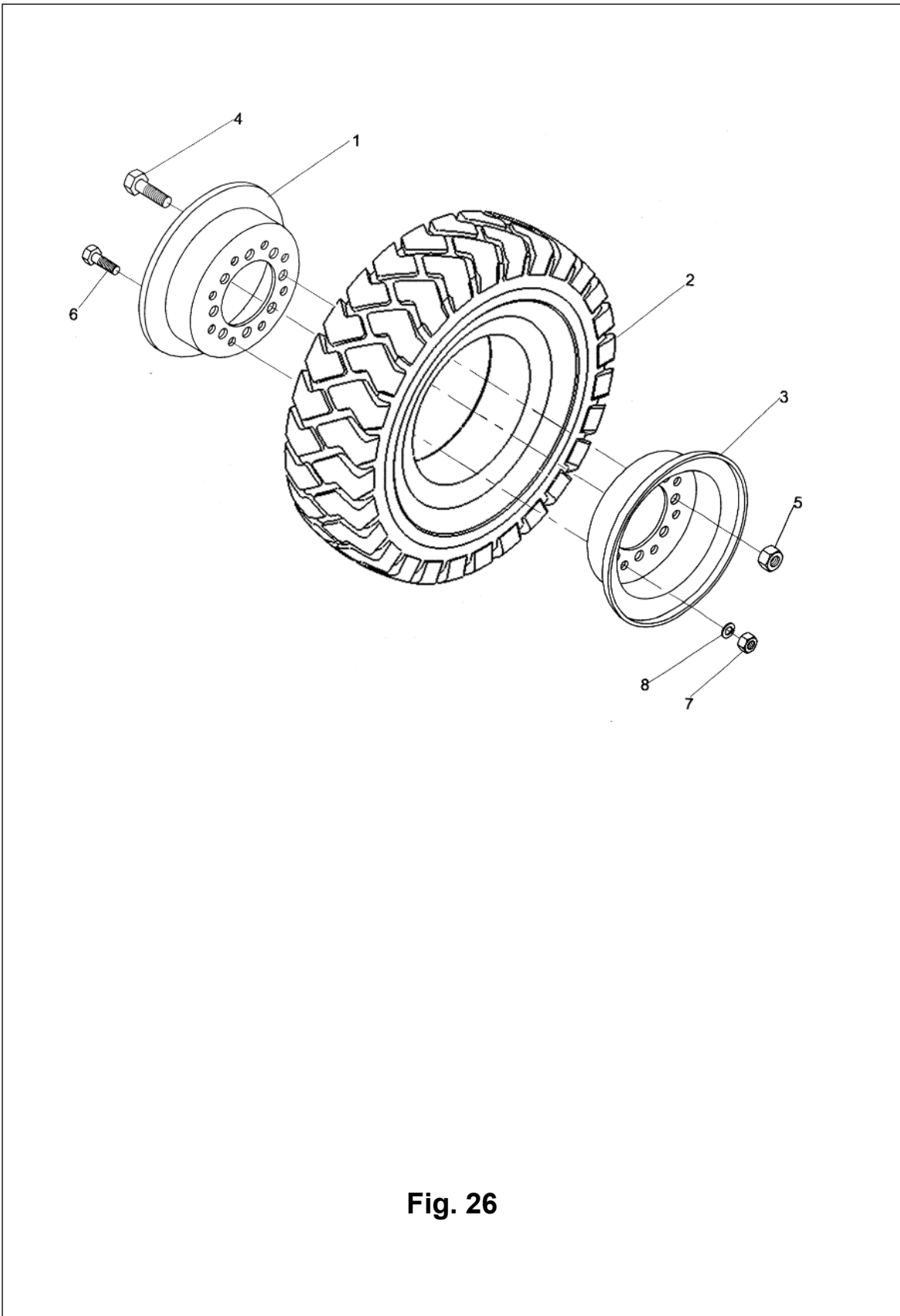


Fig. 26

Fig. 26 Steering wheel assembly

| No. | Coding | Description | Qty. | Note |
|-----|--------------|--|------|-------------------------------|
| A | 255015510003 | Steering wheel assembly 18x7-8-14PR(pneumatic, Chaoyang) | 2 | Including 1.2.5.8.9. 10 |
| | 255015510004 | Steering wheel assembly 18x7-8(solid, Chaoyang) | 2 | |
| | 255015510005 | Steering wheel assembly 18x7-8(environment protection,Chaoyang) | 2 | |
| 1 | 255015520002 | Inner rim 4.33R | 2 | |
| 2 | 255015510001 | Tyre (pneumatic)18x7-8-14PR | 2 | Optional |
| | 255015510002 | Tyre (solid)18x7-8 | 2 | Optional |
| | 255015510006 | Tyre(environment protection)18x7-8 | 2 | Optional |
| 3 | 255015520001 | Inner rim 4.33R | 2 | |
| 4 | 255098526040 | Rim Bolt | 16 | |
| 5 | 255098526041 | Rim Nut | 16 | |
| 6 | 255013020001 | Rim BoltM12x26 | 16 | |
| 7 | 910300100008 | Nut GB6170-M12-10 | 16 | |
| 8 | 910400500008 | Washer GB93-12 | 16 | |

Working cylinder mechanism and installation

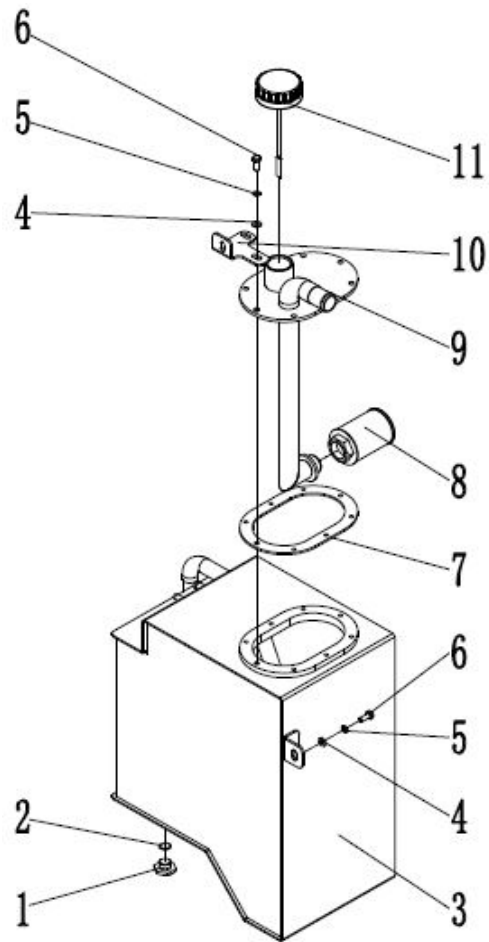


Fig. 27

Fig. 27 Working cylinder mechanism and installation

| No. | Coding | Description | Qty | Note |
|-----|------------------|------------------------|-----|------|
| 1 | 25501902001 5 | Drain plug M20x1.5 | 1 | |
| 2 | 9108009000 01 | Washer JB982-20 | 1 | |
| 3 | 25501901000 1 | Cylinder welding | 1 | |
| 4 | 9104001000 06 | Washer GB97.1-8-200HV | 10 | |
| 5 | 9104005000 06 | Washer GB93-8 | 10 | |
| 6 | 9101003000 22 | Bolt GB5783-M8x20-8.8 | 10 | |
| 7 | 2550190200 13 | Sealing gasket | 1 | |
| 8 | 25501901000 4 | Screen filter WU63×100 | 1 | |
| 9 | 25501901000 2 | Cover plate welding | 1 | |
| 10 | 25501902001 2 | Fixing plate 2 | 1 | |
| 11 | 25501901000 3 | Oil dipstick assembly | 1 | |

Multiple directional control valve (bigeminy)

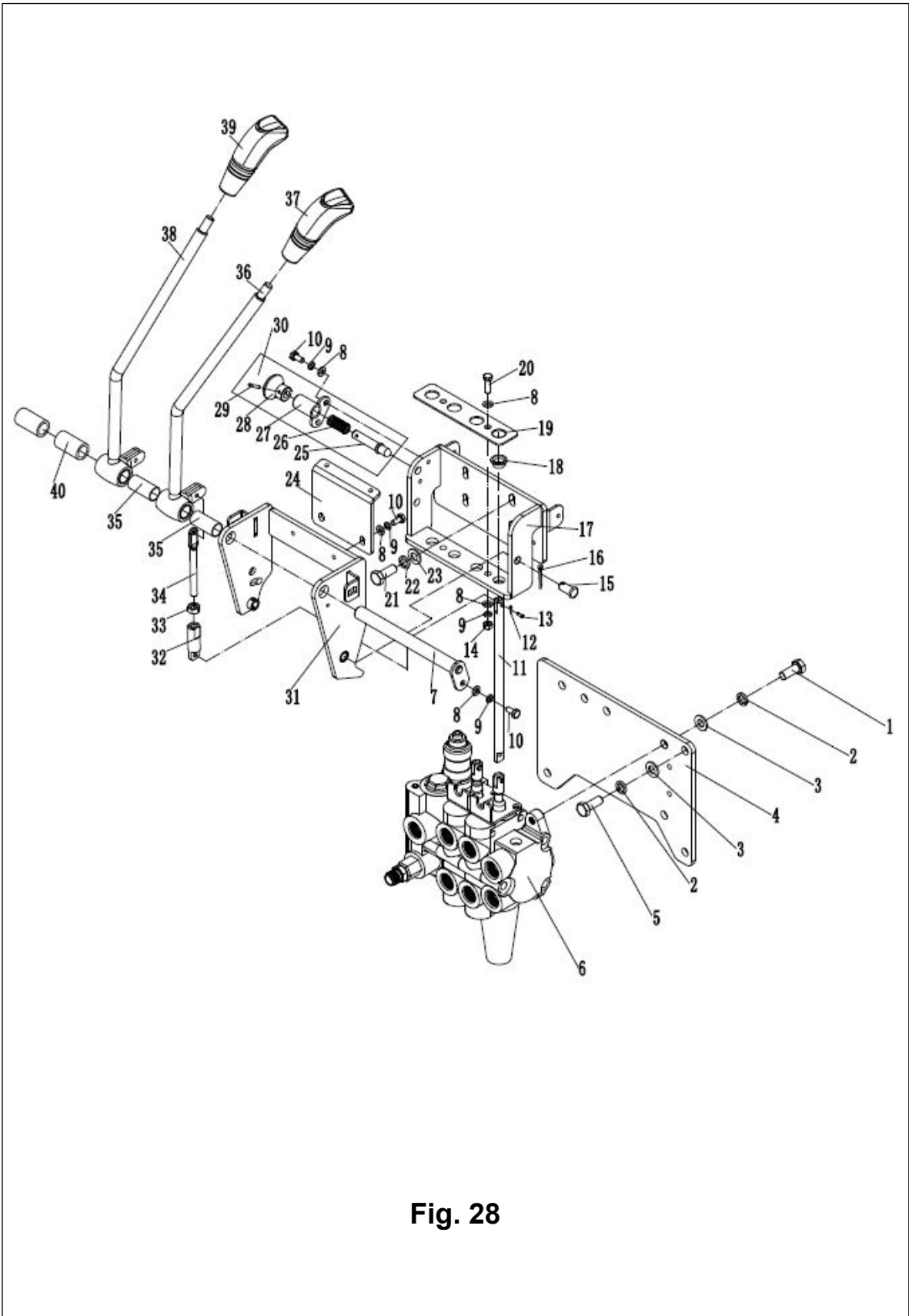


Fig. 28

Fig. 28 Multiple directional control valve (bigeminy)

| No. | Coding | Description | Qty | Note |
|-----|------------------|--------------------------------------|-----|------|
| 1 | 91010040000 3 | Bolt GB5786-M10x1.25x25-8.8 | 3 | |
| 2 | 91040050000 7 | Washer GB93-10 | 6 | |
| 3 | 91040010000 7 | Washer GB97.1-10-200HV | 6 | |
| 4 | 25502452002 4 | Supporting plate | 1 | |
| 5 | 91010030003 6 | Bolt GB5783-M10x25-8.8 | 3 | |
| 6 | 25502451000 7 | Multi way valve (four combined) | 1 | |
| 7 | 25502451000 9 | Axle ϕ 16x168 | 1 | |
| 8 | 91040010000 5 | Washer GB97.1-6-200HV | 9 | |
| 9 | 91040050000 5 | Washer GB93-6 | 7 | |
| 10 | 91010030000 9 | Bolt GB5783-M6x12-8.8 | 5 | |
| 11 | 25502452001 8 | Transition rod | 3 | |
| 12 | 91060060002 6 | Split pin GB91-3.2x20 | 6 | |
| 13 | 91060070003 2 | Short axle GB882-10x20c1B | 6 | |
| 14 | 91030010000 5 | Nut GB6170-M6-10 | 2 | |
| 15 | 91060060002 6 | Split pin GB91-3.2x20 | 2 | |
| 16 | 91060070003 2 | Short axle GB882-10x20c1B | 2 | |
| 17 | 25502451000 2 | Fixed seat | 1 | |
| 18 | 94050020002 2 | Bushing ϕ 12x ϕ 14x20-SF-1 | 2 | |
| 19 | 25502452001 6 | Pressing plate | 1 | |

| | | | | |
|--|------------------|------------------------|---|--|
| 20 | 91010030001 4 | Bolt GB5783-M6x20-8.8 | 2 | |
| <u>Fig. 28. Multiple directional control valve (bigeminy)</u> | | | | |
| 21 | 91010030002 3 | Bolt GB5783-M8x25-8.8 | 4 | |
| 22 | 91040050000 6 | Washer GB93-8 | 4 | |
| 23 | 91040010000 6 | Washer GB97.1-8-200HV | 4 | |
| 24 | 25502452000 1 | Fixing plate | 1 | |
| 25 | 25502452001 4 | Axle ϕ 10x60 | 1 | |
| 26 | 25502452001 3 | Spring | 1 | |
| 27 | 25502451000 3 | Axle ϕ 18x27.5 | 1 | |
| 28 | 25502452001 5 | Handle | 1 | |
| 29 | 91060040000 4 | Dowel pin GB879.1-3x16 | 1 | |

Multiple directional control valve (bigeminy)

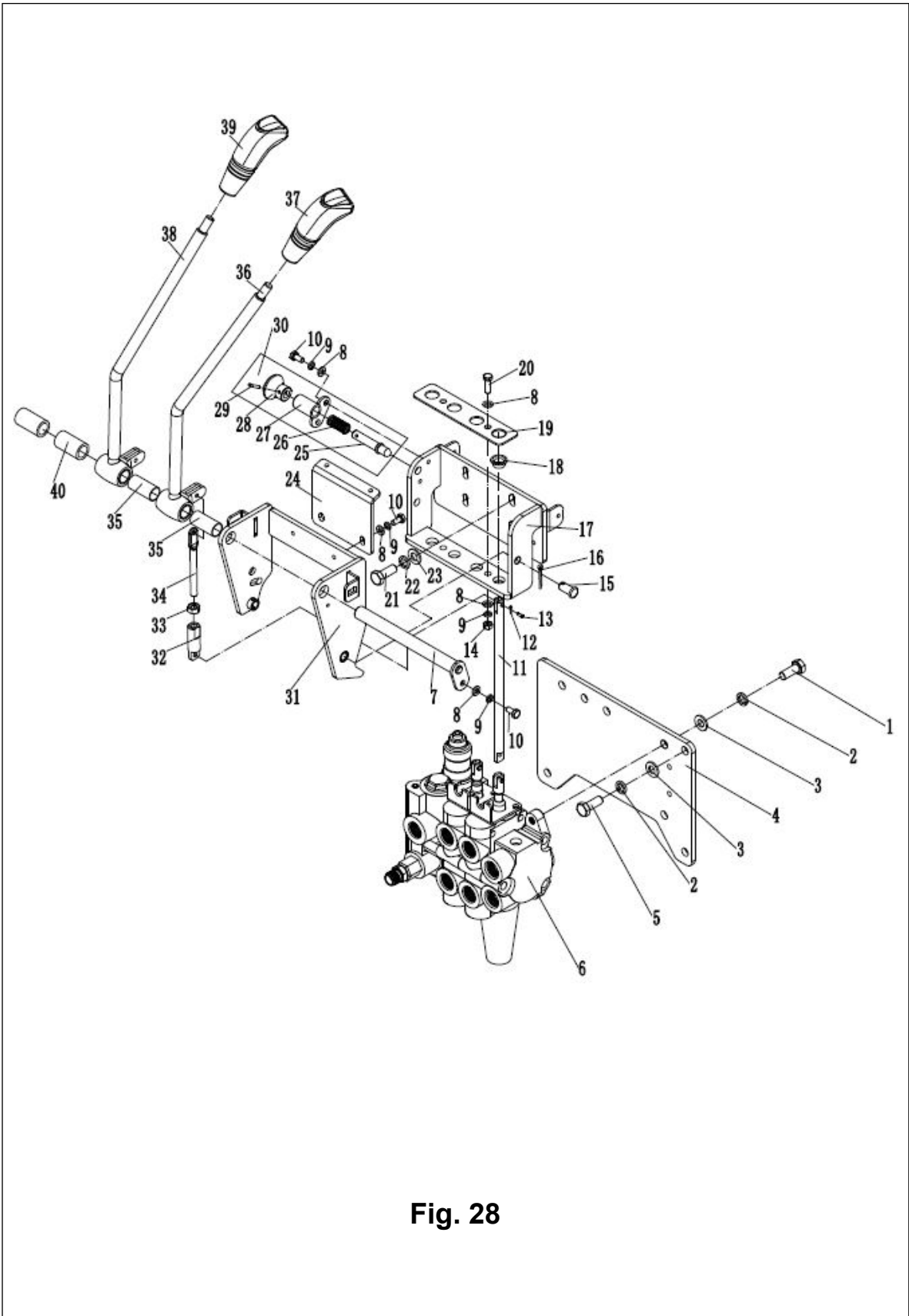


Fig. 28

Fig. 28 Multiple directional control valve (bigeminy)

| No. | Coding | Description | Qty | Note |
|-----|------------------|---------------------------------------|-----|------|
| 30 | 2550245100 06 | Handle assembly | 1 | |
| 31 | 2550245100 01 | Holder welding | 1 | |
| 32 | 2505250200 08 | Joint | 2 | |
| 33 | 9103001000 06 | NutGB6170-M8-10 | 2 | |
| 34 | 2550245200 17 | Connecting rod | 2 | |
| 35 | 2550245200 25 | Bearing bushing φ18xφ16x37 | 2 | |
| 36 | 2550245100 04 | Control lever welding (lifting) | 1 | |
| 37 | 2550245200 22 | Handle ball (lifting) | 1 | |
| 38 | 2550245100 05 | Control lever welding (slope) | 1 | |
| 39 | 2550245200 23 | Handle ball (slope) | 1 | |
| 40 | 2550245200 28 | Sleeve | 2 | |

Multiple directional control valve (trigeminy)

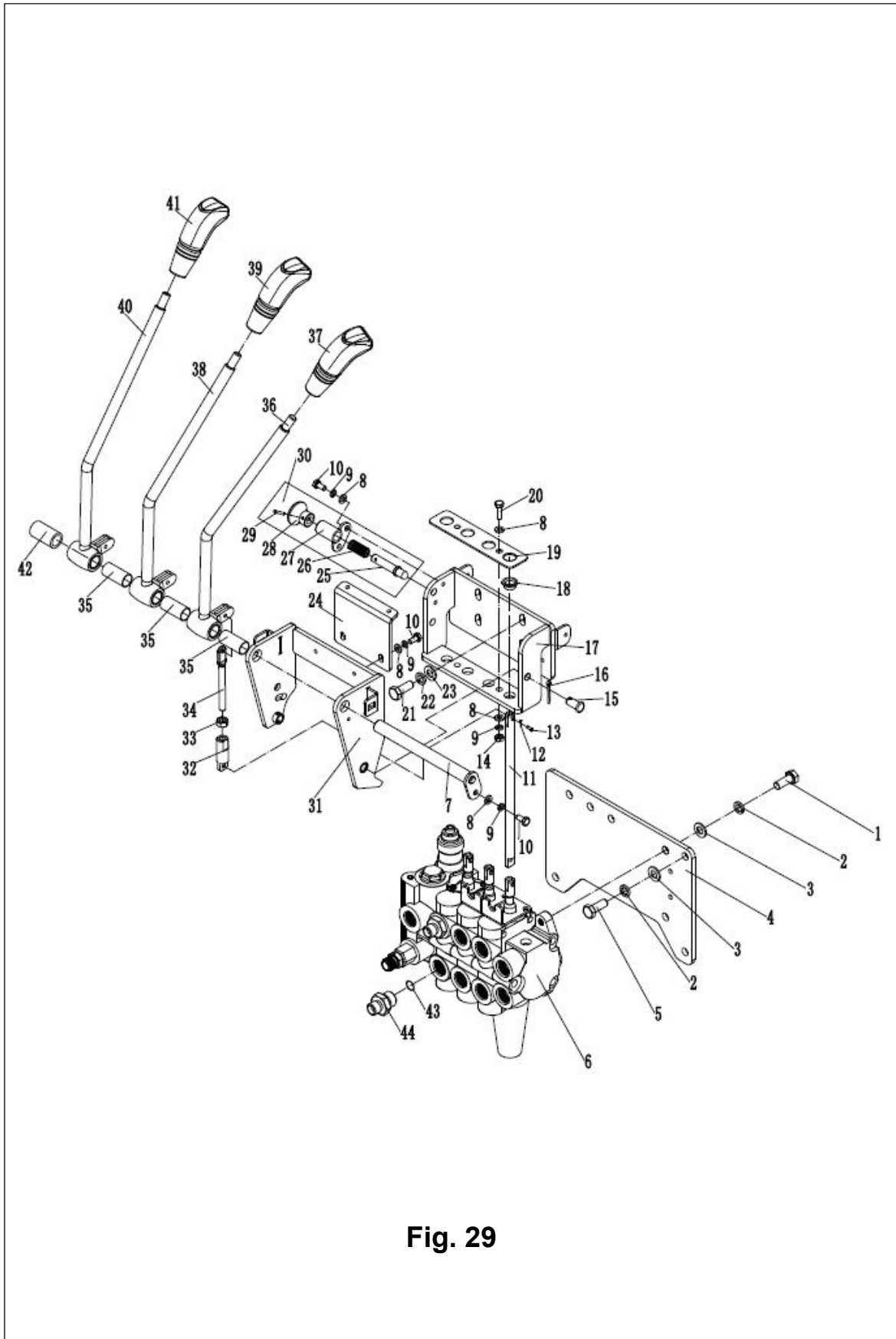


Fig. 29

Fig. 29 Multiple directional control valve (trigeminy)

| No. | Coding | Description | Qty | Note |
|-----|------------------|--------------------------------------|-----|------|
| 1 | 91010040000 3 | Bolt GB5786-M10x1.25x25-8.8 | 3 | |
| 2 | 91040050000 7 | Washer GB93-10 | 6 | |
| 3 | 91040010000 7 | Washer GB97.1-10-200HV | 6 | |
| 4 | 25502452002 4 | Supporting plate | 1 | |
| 5 | 9101003000 36 | Bolt GB5783-M10x25-8.8 | 3 | |
| 6 | 25502501000 2 | Multi way valve (four combined) | 1 | |
| 7 | 25502451000 9 | Axle ϕ 16x168 | 1 | |
| 8 | 9104001000 05 | Washer GB97.1-6-200HV | 9 | |
| 9 | 9104005000 05 | Washer GB93-6 | 7 | |
| 10 | 9101003000 09 | Bolt GB5783-M6x12-8.8 | 5 | |
| 11 | 2550245200 18 | Transition rod | 3 | |
| 12 | 9106006000 26 | Split pin GB91-3.2x20 | 9 | |
| 13 | 9106007000 32 | Short axle GB882-10x20c1B | 9 | |
| 14 | 9103001000 05 | Nut GB6170-M6-10 | 2 | |
| 15 | 9106006000 26 | Split pin GB91-3.2x20 | 2 | |
| 16 | 91060070003 2 | Short axleGB882-10x20c1B | 2 | |
| 17 | 2550245100 02 | Fixing seat | 1 | |
| 18 | 94050020002 2 | Bushing ϕ 12x ϕ 14x20-SF-1 | 3 | |
| 19 | 2550245200 16 | Pressing plate | 1 | |

| Fig. 29 Multiple directional control valve (trigeminy) | | | | |
|---|------------------|------------------------|---|--|
| 20 | 91010030001 | Bolt GB5783-M6x20-8.8 | 2 | |
| 21 | 9101003000 23 | Bolt GB5783-M8x25-8.8 | 4 | |
| 22 | 91040050000 6 | Washer GB93-8 | 4 | |
| 23 | 91040010000 6 | Washer GB97.1-8-200HV | 4 | |
| 24 | 25502452000 1 | Fixing plate | 1 | |
| 25 | 25502452001 4 | Axle ϕ 10x60 | 1 | |
| 26 | 25502452001 3 | Spring | 1 | |
| 27 | 25502451000 3 | Axle ϕ 18x27.5 | 1 | |
| 28 | 25502452001 5 | Handle | 1 | |
| 29 | 91060040000 4 | Dowel pin GB879.1-3x16 | 1 | |

Multiple directional control valve (trigeminy)

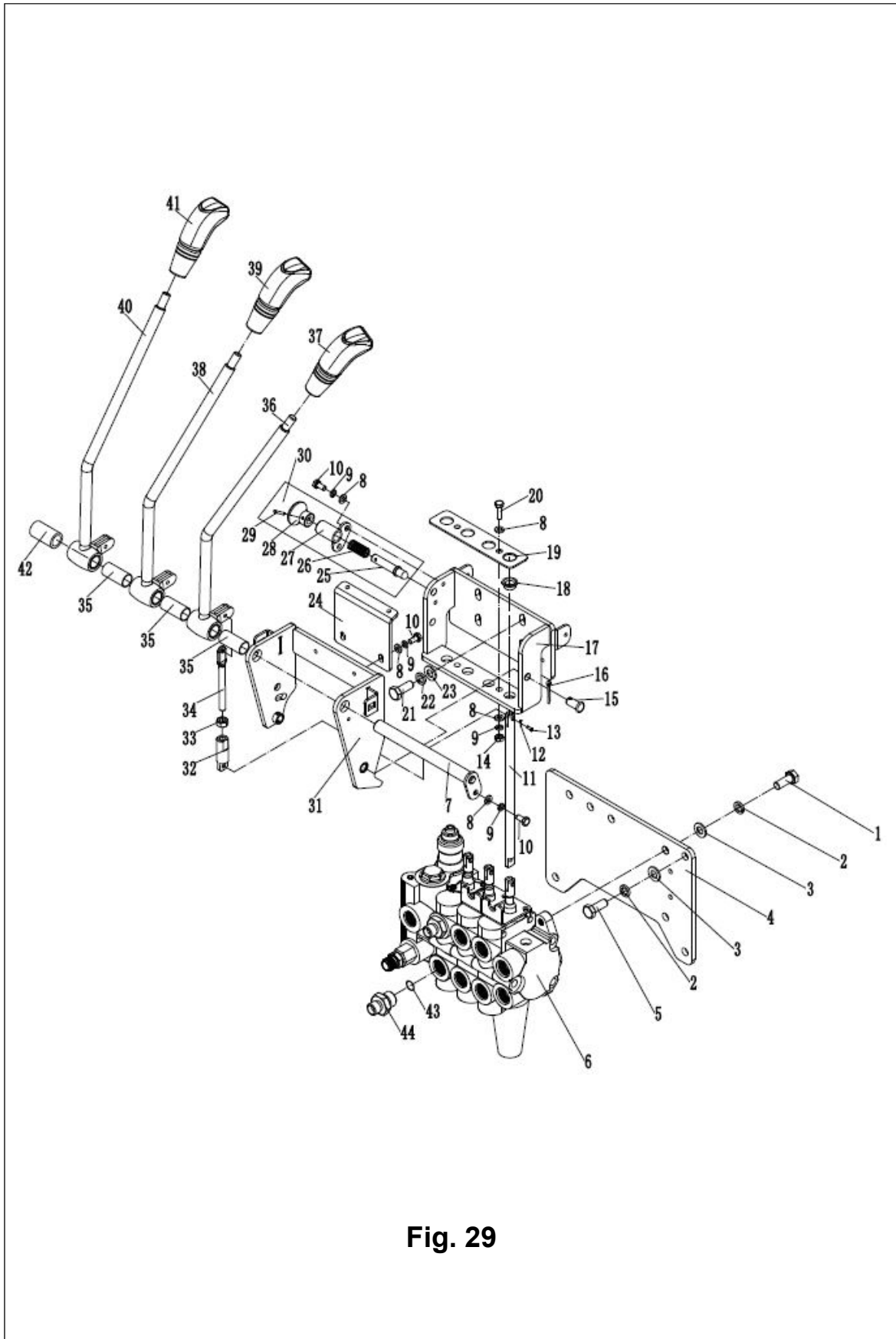


Fig. 29

Fig. 29 Multiple directional control valve (trigeminy)

| No. | Coding | Description | Qty | Note |
|-----|------------------|--|-----|------|
| 30 | 25502451000 6 | Handle assembly | 1 | |
| 31 | 25502451000 1 | Frame welding | 1 | |
| 32 | 25052502000 8 | Joint | 3 | |
| 33 | 91030010000 6 | Nut GB6170-M8-10 | 3 | |
| 34 | 25502452001 7 | Linking rod | 3 | |
| 35 | 25502452002 5 | Bearing $\phi 18 \times \phi 16 \times 37$ | 3 | |
| 36 | 25502451000 4 | Control lever welding (lifting) | 1 | |
| 37 | 25502452002 2 | Handle ball (lifting) | 1 | |
| 38 | 25502451000 5 | Control lever welding (slope) | 1 | |
| 39 | 25502452002 3 | Handle ball(slope) | 1 | |
| 40 | 25502501000 1 | Control lever welding (accessory 1) | 1 | |
| 41 | 25502502000 2 | Handle ball (accessory 1) | 1 | |
| 42 | 25502452002 8 | Sleeve | 1 | |
| 43 | 91080010000 3 | O ring 17x2.65 | 2 | |
| 44 | 25502352003 3 | Joint8-M20x1.5-M16x1.5-60° | 2 | |

Multiple directional control valve(four joint)

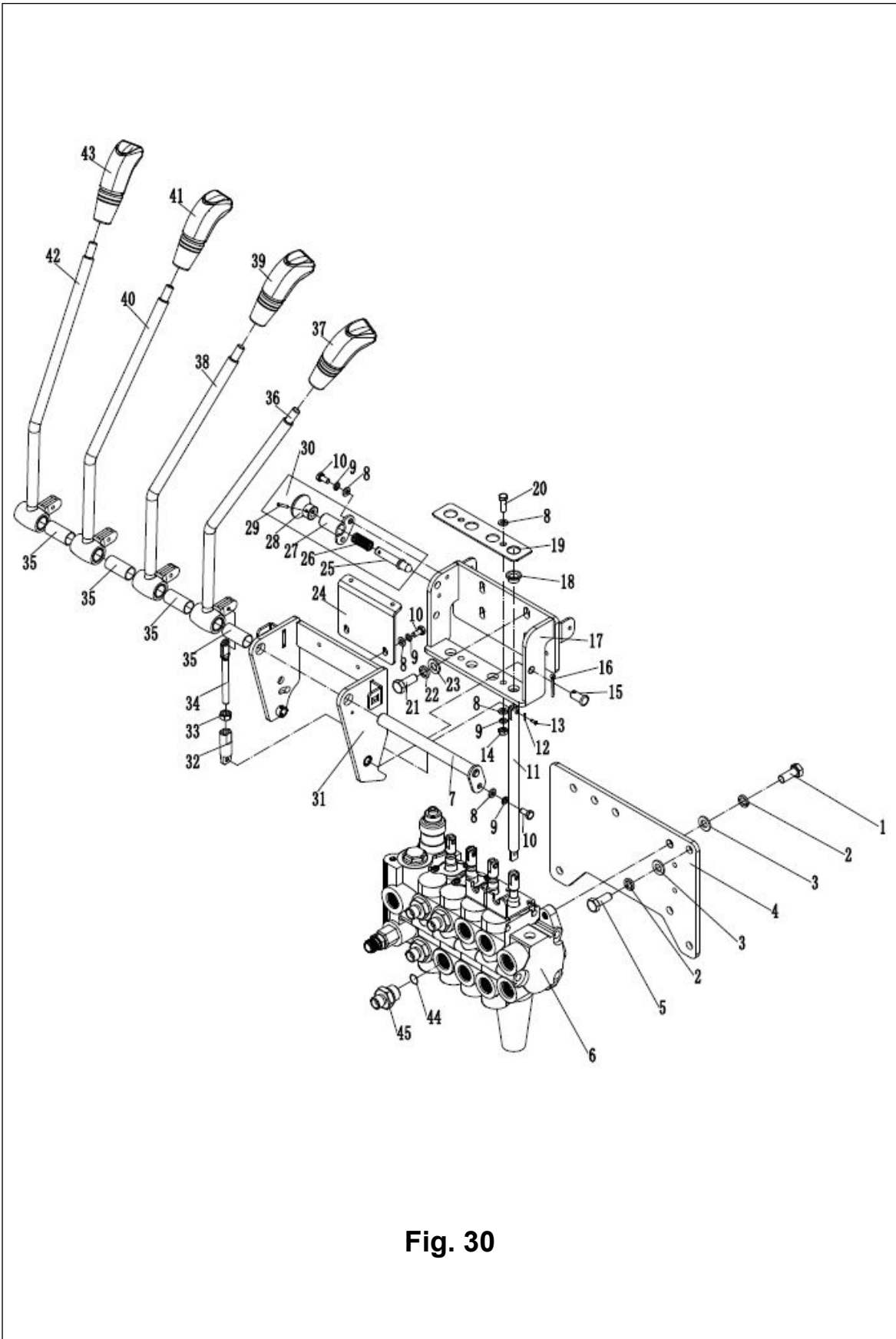


Fig. 30

Fig. 30 Multiple directional control valve(four joint)

| No. | Coding | Description | Qty | Note |
|-----|------------------|--------------------------------------|-----|------|
| 1 | 91010040000 3 | Bolt GB5786-M10x1.25x25-8.8 | 3 | |
| 2 | 91040050000 7 | Washer GB93-10 | 6 | |
| 3 | 91040010000 7 | Washer GB97.1-10-200HV | 6 | |
| 4 | 25502452002 4 | Supporting plate | 1 | |
| 5 | 91010030003 6 | Bolt GB5783-M10x25-8.8 | 3 | |
| 6 | 25502551000 2 | Multi way valve (four combined) | 1 | |
| 7 | 25502451000 9 | Axle ϕ 16x168 | 1 | |
| 8 | 91040010000 5 | Washer GB97.1-6-200HV | 9 | |
| 9 | 91040050000 5 | Washer GB93-6 | 7 | |
| 10 | 91010030000 9 | Bolt GB5783-M6x12-8.8 | 5 | |
| 11 | 25502452001 8 | Transition rod | 4 | |
| 12 | 91060060002 6 | split pin GB91-3.2x20 | 12 | |
| 13 | 91060070003 2 | Short axle GB882-10x20c1B | 12 | |
| 14 | 91030010000 5 | Nut GB6170-M6-10 | 2 | |
| 15 | 91060060002 6 | split pin GB91-3.2x20 | 2 | |
| 16 | 91060070003 2 | Short axle GB882-10x20c1B | 2 | |
| 17 | 25502451000 2 | Fixing seat | 1 | |
| 18 | 94050020002 2 | Bushing ϕ 12x ϕ 14x20-SF-1 | 4 | |
| 19 | 25502452001 6 | Pressing plate | 1 | |
| 20 | 91010030001 1 | Bolt GB5783-M6x20-8.8 | 2 | |

| Fig. 30 Multiple directional control valve(four joint) | | | | |
|---|------------------|------------------------|---|--|
| 21 | 91010030002 3 | Bolt GB5783-M8x25.8.8 | 4 | |
| 22 | 91040050000 6 | Washer GB93-8 | 4 | |
| 23 | 91040010000 6 | Washer GB97.1-8-200HV | 4 | |
| 24 | 25502452000 1 | Fixing plate | 1 | |
| 25 | 25502452001 4 | Axle ϕ 10x60 | 1 | |
| 26 | 25502452001 3 | Spring | 1 | |
| 27 | 25502451000 3 | Axle ϕ 18x27.5 | 1 | |
| 28 | 25502452001 5 | Handle | 1 | |
| 29 | 91060040000 4 | Dowel pin GB879.1-3x16 | 1 | |

Multiple directional control valve(four joint)

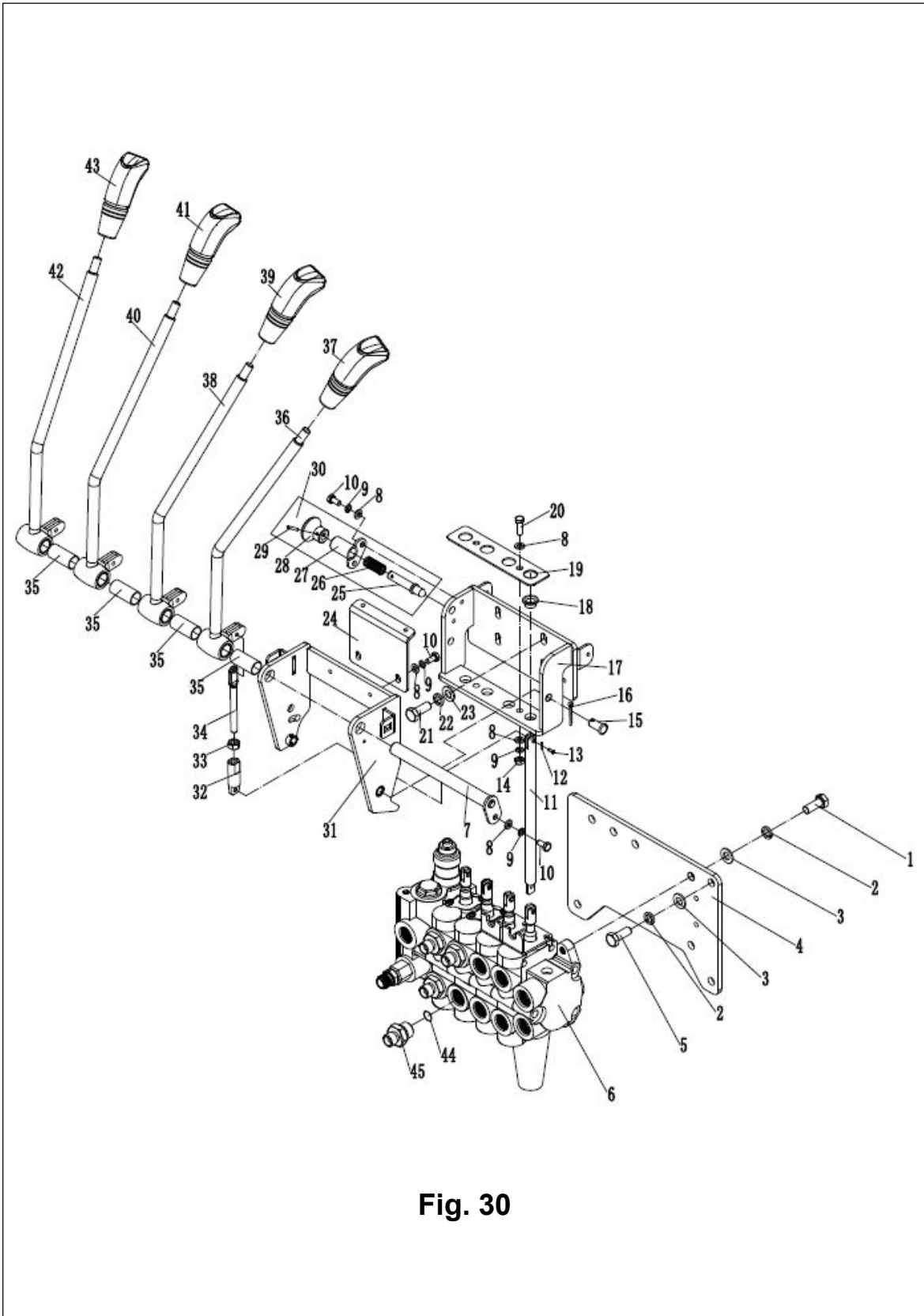


Fig. 30

Fig. 30 Multiple directional control valve(four joint)

| No. | Coding | Description | Qty | Note |
|-----|------------------|--|-----|------|
| 30 | 25502451000 6 | Handle assembly | 1 | |
| 31 | 25502451000 1 | Frame assembly | 1 | |
| 32 | 25052502000 8 | Joint | 4 | |
| 33 | 91030010000 6 | Nut GB6170-M8-10 | 4 | |
| 34 | 25502452001 7 | Connecting rod | 4 | |
| 35 | 25502452002 5 | Bearing bushing $\phi 18 \times \phi 16 \times 37$ | 4 | |
| 36 | 2550245100 04 | Control lever welding(lifting) | 1 | |
| 37 | 25502452002 2 | Handle ball(lifting) | 1 | |
| 38 | 25502451000 5 | Control lever welding(slope) | 1 | |
| 39 | 25502452002 3 | Handle ball (slope) | 1 | |
| 40 | 2550250100 01 | Control lever welding(accessory 1) | 1 | |
| 41 | 2550250200 02 | Handle ball(accessory 1) | | |
| 42 | 2550255100 01 | Control lever welding (accessory 2) | 1 | |
| 43 | 25502552000 2 | Handle ball (accessory 2) | 1 | |
| 44 | 91080010000 3 | Oring 17x2.65 | 4 | |
| 45 | 25502352003 3 | Joint 8-M20x1.5-M16x1.5-60° | 4 | |

Hydraulic system

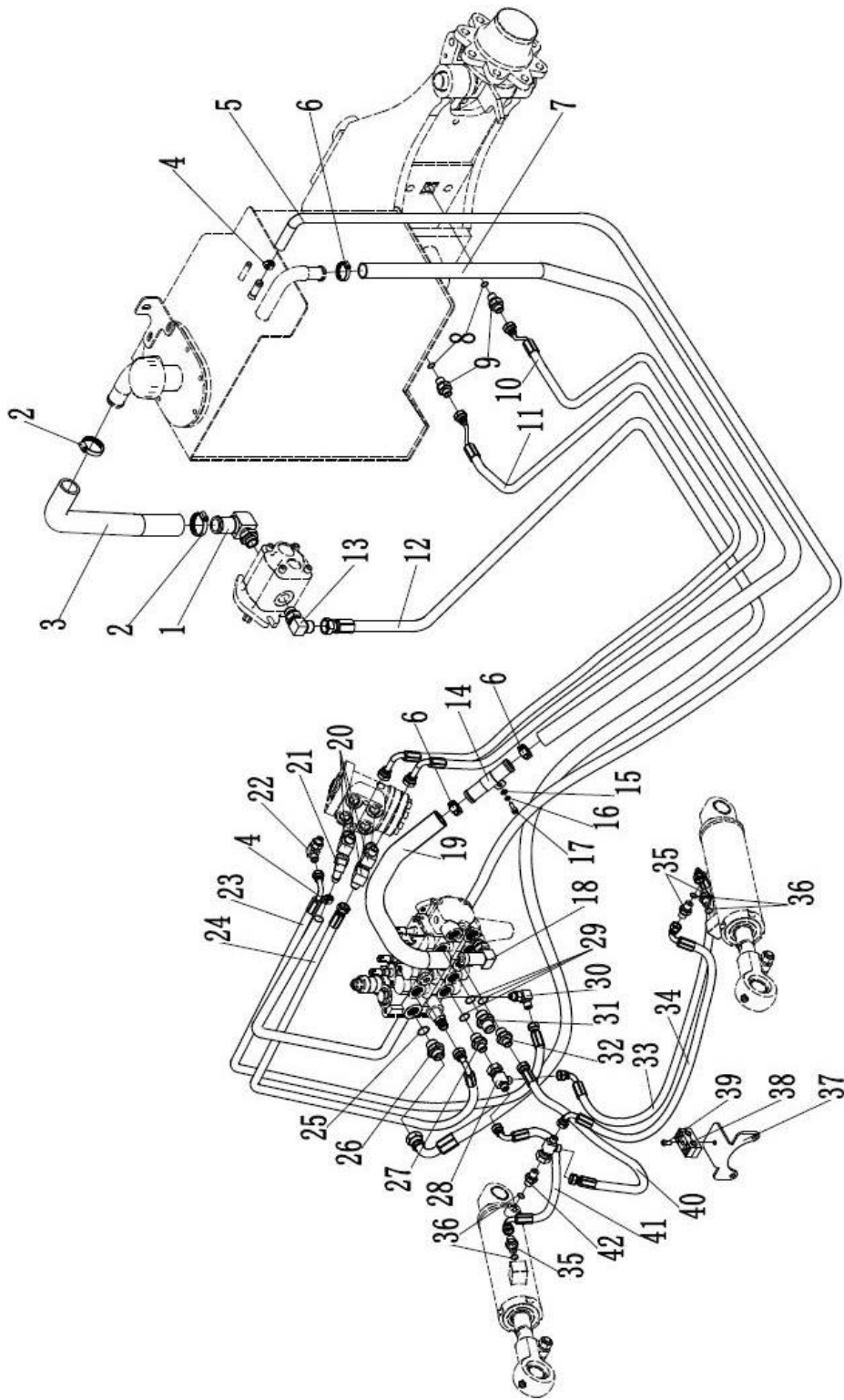


Fig. 31

Fig. 31**Hydraulic system**

| No. | Coding | Description | Qty | Note |
|-----|------------------|---|-----|------|
| 1 | 25502351000 5 | Joint 25-G1-φ32 | 1 | |
| 2 | 91100060000 6 | Hose clamp QC/T390-(40-45) | 2 | |
| 3 | 25502352000 8 | Rubber hose | 1 | |
| 4 | 91100060000 3 | Hose clamp QC/T390-(22-26) | 2 | |
| 5 | 25502352000 6 | Oil return hose φ23xφ13x3600 | 1 | |
| 6 | 91100060000 4 | Hose clamp QC/T390-(34-38) | 4 | |
| 7 | 25502352001 3 | Oil return hose φ35xφ25x1900 | 1 | |
| 8 | 91080010000 2 | Oring 13.2x2.65 | 2 | |
| 9 | 25502352003 4 | Joint 8-2xM16x1.5-60° | 2 | |
| 10 | 25502352000 2 | Hydraulic hose assembly 8-L2700-1SC-60° | 1 | |
| 11 | 25502352000 1 | Hydraulic hose assembly 8-L3000-1SC-60° | 1 | |
| 12 | 25502352000 4 | Hydraulic hose assembly (90°)13-L2750-2SC-60° | 1 | |
| 13 | 25502352003 5 | Joint12-G1/2-M22x1.5-60° | 1 | |
| 14 | 25502352002 2 | Transition steel pipe | 1 | |
| 15 | 91040010000 5 | Washer GB97.1-6-200HV | 2 | |
| 16 | 91040050000 5 | Washer GB93-6 | 2 | |
| 17 | 91020020003 6 | Screw GB70.1-M6x20-8.8 | 2 | |
| 18 | 25502351000 2 | Joint 16-M22x1.5-φ25 | 1 | |

| | | | | |
|---------------------------------|------------------|---|---|--|
| 19 | 25502352002 1 | Rubber tube | 1 | |
| Fig. 31 Hydraulic system | | | | |
| 20 | 25502351000 7 | Joint 8-M18x1.5-M16x1.5-60° | 3 | |
| 21 | 25502352003 3 | Joint 11-M18x1.5-0 | 1 | |
| 22 | 25502351000 3 | Joint 6-G1/4-M14x1.5-60° | 1 | |
| 23 | 25502352000 3 | Hydraulic hose assembly (90°)6-L1420-1SC-60° | 1 | |
| 24 | 25502352000 5 | Hydraulic hose assembly (90°)8-L1420-1SC-60° | 1 | |
| 25 | 91080010001 5 | O-ring 19x2.65 | 1 | |
| 26 | 25502352003 0 | Joint 12-2xM22x1.5-60° | 1 | |

Hydraulic system

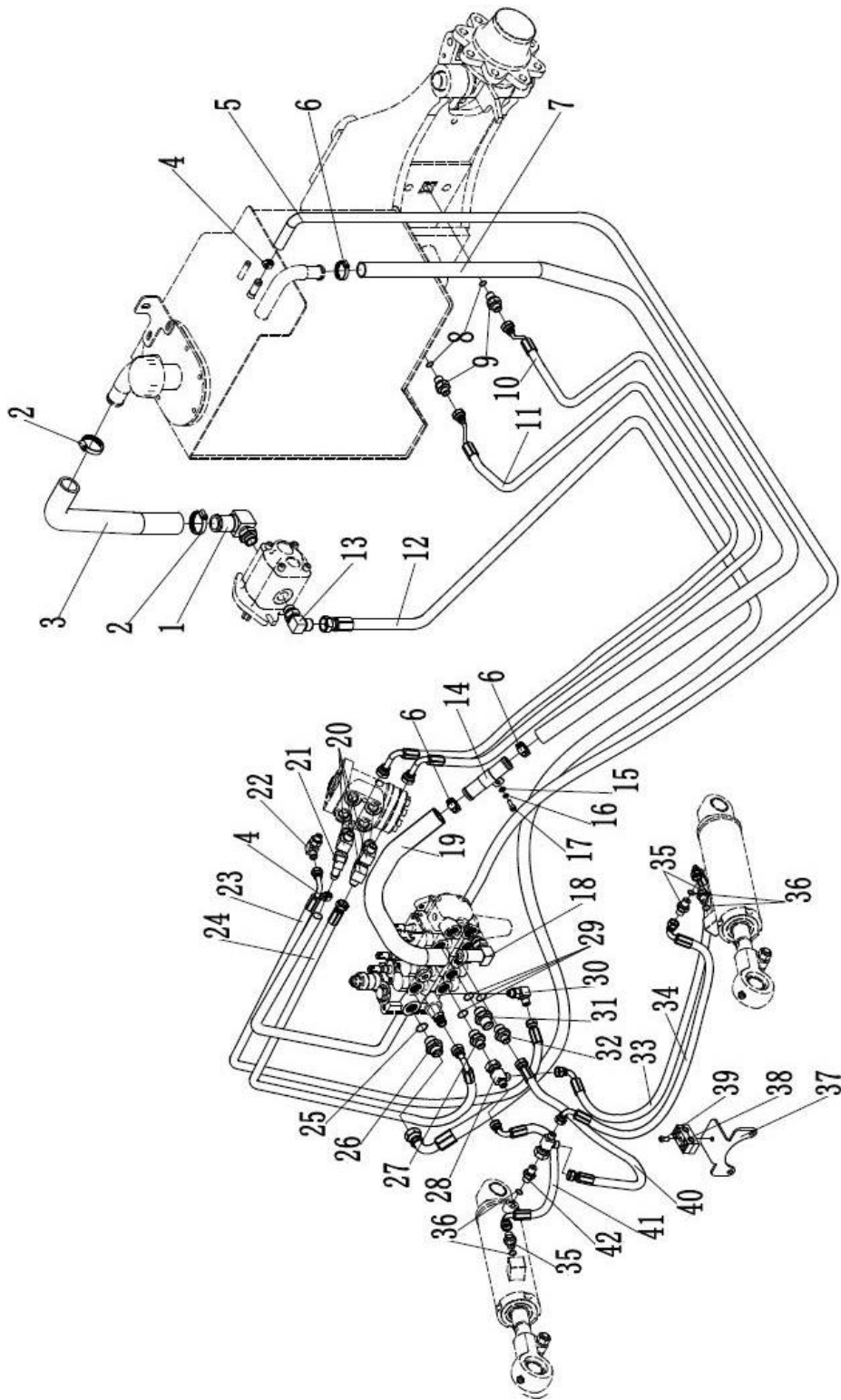


Fig. 31

Fig. 31**Hydraulic system**

| No. | Coding | Description | Qty | Note |
|-----|------------------|--|-----|------|
| 27 | 25502352003 3 | Joint 8-M20x1.5-M16x1.5-60° | 1 | |
| 28 | 25052351000 1 | Joint 7-2xM14x1.5-M16x1.5-60° | 2 | |
| 29 | 9108001000 03 | O-ring 17x2.65 | 3 | |
| 30 | 25502351000 1 | Joint 6-M12x1.5-M14x1.5-60° | 1 | |
| 31 | 2550440201 22 | Joint 12-M20x1.5-M22x1.5-60° | 1 | |
| 32 | 25502352003 2 | Joint 6-M20x1.5-M14x1.5-60° | 1 | |
| 33 | 25502352001 7 | Hydraulic hose assembly 6-L1000-1SC-60° | 1 | |
| 34 | 25502352001 8 | Hydraulic hose assembly 6-L1100-1SC-60° | 1 | |
| 35 | 25502352000 7 | Joint 6-G1/4 – M14x1.5-60° | 3 | |
| 36 | 9108001000 21 | O-ring 11.2x2.65 | 4 | |
| 37 | 2550235200 27 | Rubber hose fixing block | 1 | |
| 38 | 2550285200 34 | Rubber hose fixing block | 2 | |
| 39 | 9102002000 60 | Screw GB70.1-M8x35-8.8 | 1 | |
| 40 | 25502352001 2 | Hydraulic hose assembly 6-L500-1SC-60° | 1 | |
| 41 | 25502352001 6 | Hydraulic hose assembly 6-L600-1SC-60° | 1 | |
| 42 | 2550235200 19 | Joint 8-G1/4-M16x1.5-60° | 1 | |

Mast lifting pipeline (standard mast)

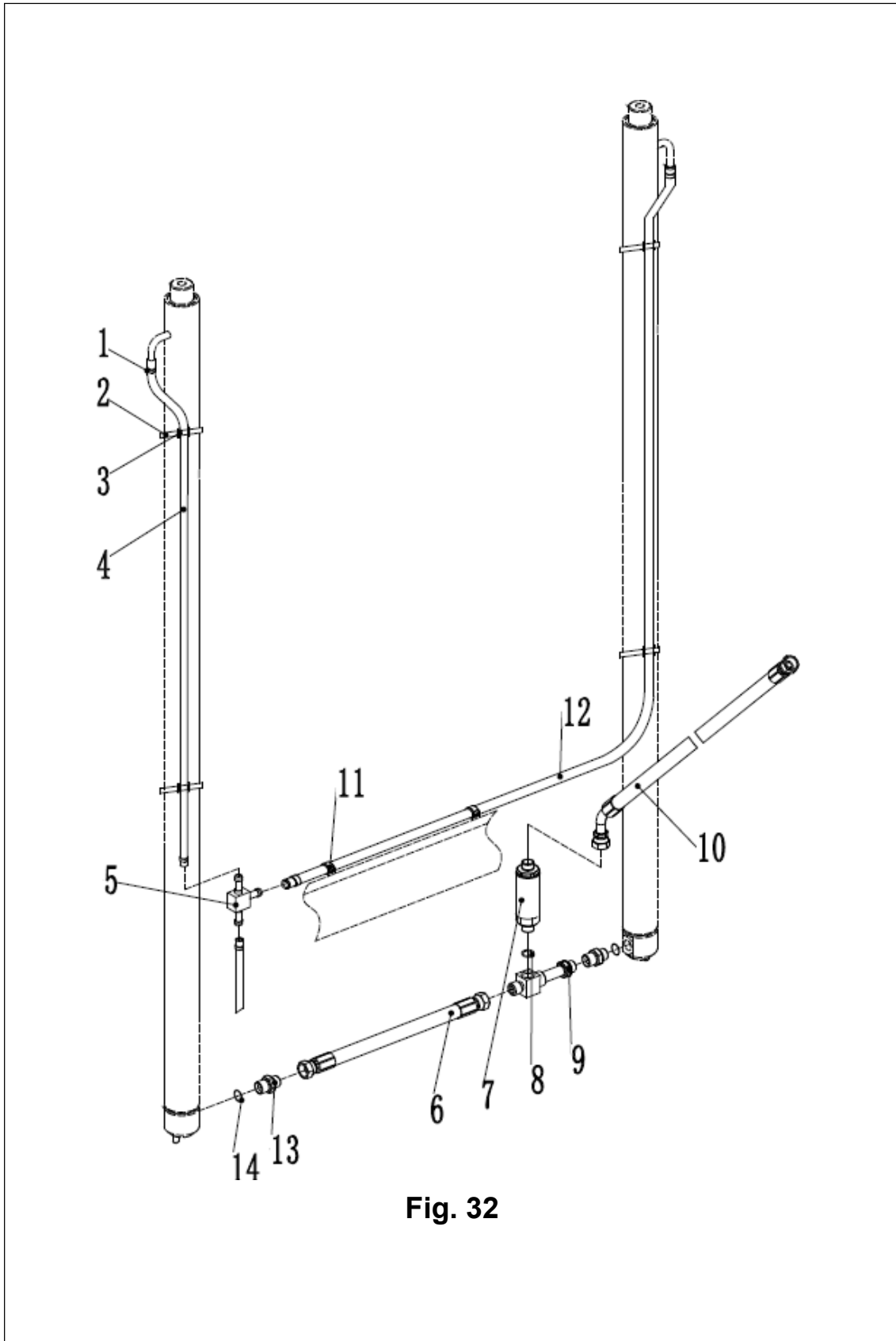


Fig. 32

Fig. 32 Mast lifting pipeline (standard mast)

| No. | Coding | Description | Qty | Note |
|-----|------------------------|---|-----|------|
| 1 | 25504402004 3 | Hoop | 1 | |
| 2 | 92160040000 1 | Strip 4x250 | 1 | |
| 3 | 25504402004 2 | Press plate | 1 | |
| 4 | | Oil return hose1L=620 | 2 | ▲ |
| | | Oil return hose1L=870 | 2 | ▲ |
| | | Oil return hose1L=1120 | 2 | ▲ |
| | | Oil return hose1L=1270 | 2 | ▲ |
| | | Oil return hose1L=1370 | 2 | ▲ |
| | | Oil return hose1L=1420 | 2 | ▲ |
| | | Oil return hose1L=1470 | 2 | ▲ |
| | | Oil return hose1L=1620 | 2 | ▲ |
| | | Oil return hose1L=1770 | 2 | ▲ |
| | | Oil return hose1L=1920 | 2 | ▲ |
| | | Oil return hose1L=2120 | 2 | ▲ |
| | | Oil return hose1L=2370 | 2 | ▲ |
| | Oil return hose1L=2620 | 2 | ▲ | |
| 5 | 25504402011 8 | Joint | 1 | |
| 6 | 25504402011 9 | Hydraulic hose assembly 13-L395-2SC-60° | 1 | |
| 7 | 25504402001 5 | Speed limit valve XSF-F16L-2T | 1 | |
| 8 | 9108001000 03 | Oring 17x2.65 | 1 | |
| 9 | 25504401004 0 | Joint | 1 | |
| 10 | 2550440200 13 | Hose | 1 | |
| 11 | 92160040000 3 | Strip P-N156-00646 | 2 | |
| 12 | | Oil return hose2 | 1 | ▲ |

| | | | | |
|--|------------------|------------------------------|---|--|
| 13 | 9108001000 03 | Oring 17x2.65 | 3 | |
| Fig. 32 Mast lifting pipeline (standard mast) | | | | |
| 14 | 2550440201 22 | Joint 12-M20x1.5-M22x1.5-60° | 2 | |

Note: ▲ spare parts will not be provided seperately

Mast lifting pipeline(two stage full free lift)

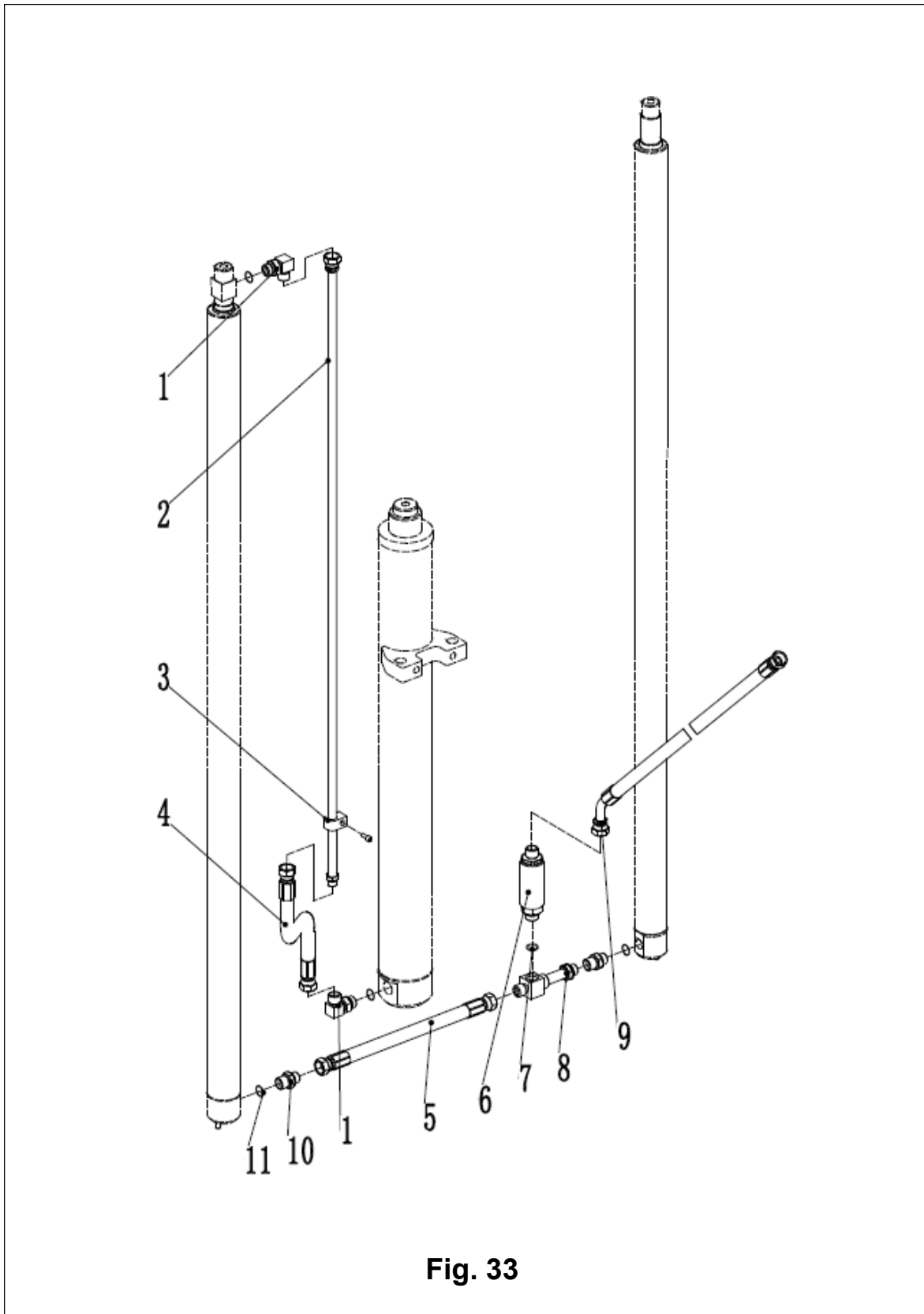


Fig. 33

Fig. 33 Mast lifting pipeline(two stage full free lift)

| No. | Coding | Description | Qty | Note |
|-----|------------------|--|-----|------|
| 1 | 25504402014 3 | Joint 12-M20x1.5-M22x1.5-60° | 2 | |
| 2 | 25504352000 9 | Hydraulic steel pipe L=760 | 1 | |
| | 25504352001 0 | Hydraulic steel pipe L=1010 | 1 | |
| | 25504352001 1 | Hydraulic steel pipe L=1300 | 1 | |
| | 25504352001 2 | Hydraulic steel pipe L=1460 | 1 | |
| | 25504352001 3 | Hydraulic steel pipe L=1610 | 1 | |
| | 25504352001 3 | Hydraulic steel pipe L=1610 | 1 | |
| | 25504352001 3 | Hydraulic steel pipe L=1610 | 1 | |
| | 25504352001 4 | Hydraulic steel pipe L=1850 | 1 | |
| | 25504352001 5 | Hydraulic steel pipe L=2010 | 1 | |
| | 25504352001 6 | Hydraulic steel pipe L=2110 | 1 | |
| | 25504352001 7 | Hydraulic steel pipe L=2360 | 1 | |
| | 25504352001 8 | Hydraulic steel pipe L=2710 | 1 | |
| | 25504352001 9 | Hydraulic steel pipe L=2960 | 1 | |
| 3 | 25504452013 2 | Hose clamp | 1 | |
| 4 | 25504352000 8 | Hydraulic hose | 1 | |
| 5 | 25504402011 9 | Hydraulic hose assembly 13-L395-2SC-60° | 1 | |
| 6 | 25504402001 5 | Speed limit valve XSF-F16L-2T | 1 | |
| 7 | 9108001000 04 | Oring 18x2.65 | 1 | |

| | | | | |
|--|------------------|---------------|---|--|
| 8 | 25504401004 0 | Joint | 1 | |
| Fig. 33 Mast lifting pipeline(two stage full free lift) | | | | |
| 9 | 2550440200 13 | Hose | 1 | |
| 10 | 2550440201 22 | Joint20-22 | 1 | |
| 11 | 91080010000 3 | Oring 17x2.65 | 3 | |

Mast lifting pipeline(three stage full free lift)

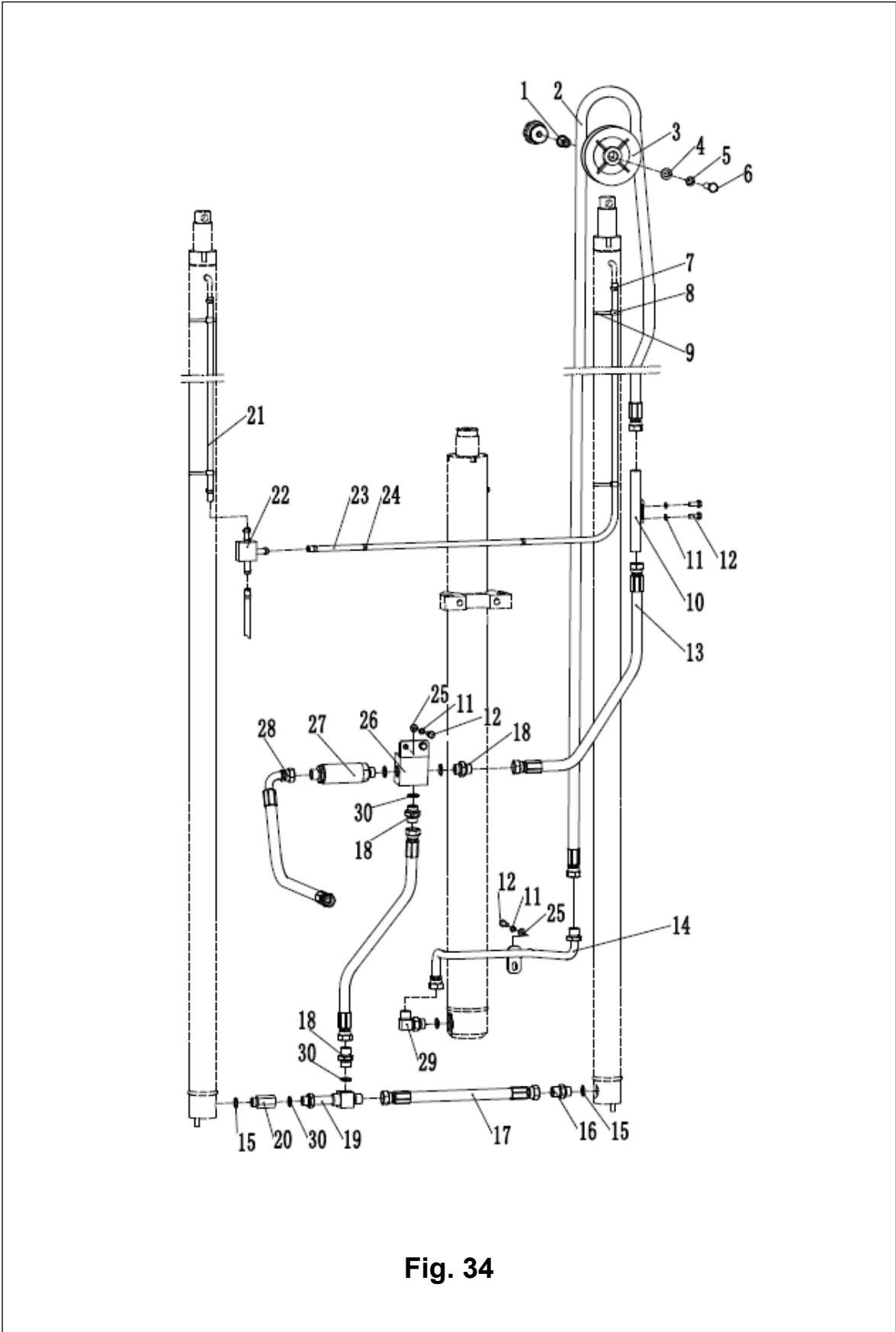


Fig. 34

Fig. 34 Mast lifting pipeline(three stage full free lift)

| No. | Coding | Description | Qty | Note |
|-----|------------------|--|----------------|------|
| 1 | 25504452008 1 | Bushing | 1 | |
| 2 | 25504452007 1 | Hydraulic hose assembly 13-L2180-2CS-60° | 1 | |
| | 25504452007 2 | Hydraulic hose assembly 13-L2480-2CS-60° | 1 | |
| | 25504452007 3 | Hydraulic hose assembly 13-L2530-2CS-60° | 1 | |
| | 25504452007 4 | Hydraulic hose assembly 13-L2730-2CS-60° | 1 | |
| | 25504452007 5 | Hydraulic hose assembly 13-L3015-2CS-60° | 1 | |
| | 25504452007 6 | Hydraulic hose assembly 13-L3480-2CS-60° | 1 | |
| | 25504452007 7 | Hydraulic hose assembly 13-L3950-2CS-60° | 1 | |
| 3 | 25504452009 6 | Pulley | 1 | |
| 4 | 91040010000 8 | Washer GB97.1-12-200HV | 1 | |
| 5 | 91040050000 8 | Washer GB93-12 | 1 | |
| 6 | 91010030005 4 | Bolt GB5783-M12x50-8.8 | 1 | |
| 7 | 25504402004 3 | Hoop | 1 | |
| 8 | 92160040000 1 | Strip 4x250 | As required | |
| 9 | 25504402004 2 | Hose press plate | As required | |
| 10 | 25504451002 0 | Hydraulic steel pipe welding | 1 | |
| 11 | 91040050000 6 | Washer GB93-8 | 5 | |
| 12 | 91010030002 2 | Bolt GB5783-M8x20-8.8 | 1 | |
| 13 | 25504452007 0 | Hydraulic hose assembly 13-L620-2SC-60° | 1 | |

| | | | | |
|---|------------------|---|---|--|
| 14 | 25504451002 1 | Hydraulic steel pipe welding | 1 | |
| <u>Fig. 34 Mast lifting pipeline(three stage full free lift)</u> | | | | |
| 15 | 91080010000 3 | Oring 17x2.65 | 2 | |
| 16 | 25504402012 2 | Joint 12-M20x1.5-M22x1.5-60° | 2 | |
| 17 | 25504452006 7 | Hydraulic hose assembly 13-L330-2SC-60° | 1 | |

Mast lifting pipeline(three stage full free lift)

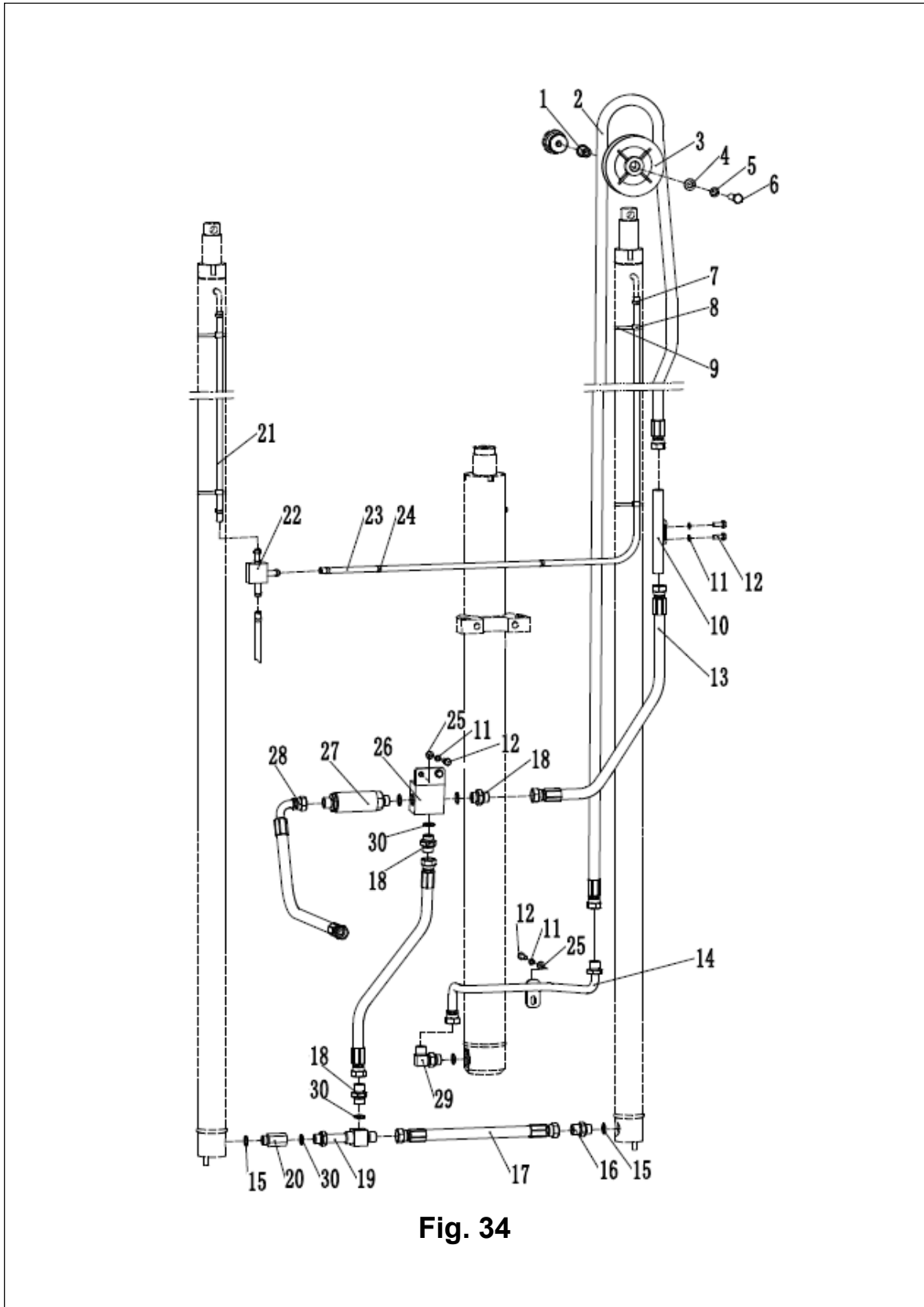


Fig. 34

Fig. 34 Mast lifting pipeline(three stage full free lift)

| No. | Coding | Description | Qty. | Note |
|-----|------------------|---|------|------|
| 18 | 2550445201 31 | Joint 12-2xM22x1.5-60° | 2 | |
| 19 | 2550440100 40 | Joint | 1 | |
| 20 | 2550445200 80 | Joint | 1 | |
| 21 | | Oil return hose L=655 | 1 | ▲ |
| | | Oil return hose L=780 | 1 | ▲ |
| | | Oil return hose L=830 | 1 | ▲ |
| | | Oil return hose L=930 | 1 | ▲ |
| | | Oil return hose L=1075 | 1 | ▲ |
| | | Oil return hose L=1310 | 1 | ▲ |
| | | Oil return hose L=1540 | 1 | ▲ |
| 22 | 25504402011 8 | Joint | 1 | |
| 23 | | Oil return hose L=1195 | 1 | ▲ |
| | | Oil return hose L=1320 | 1 | ▲ |
| | | Oil return hose L=1370 | 1 | ▲ |
| | | Oil return hose L=1470 | 1 | ▲ |
| | | Oil return hose L=1615 | 1 | ▲ |
| | | Oil return hose L=1850 | 1 | ▲ |
| | | Oil return hose L=2010 | 1 | ▲ |
| 24 | 9216004000 03 | Strip P/N 156-00646 | 2 | |
| 25 | 9104001000 06 | Washer GB97.1-8-200HV | 3 | |
| 26 | 2550445100 22 | Three joint welding | 1 | |
| 27 | 2550440200 15 | Speed limit valve XSF-F16L-2T | 1 | |
| 28 | 2550445200 69 | Hydraulic hose assembly (90°) 13-L1350-2SC-60° | 1 | |
| 29 | 2550440201 43 | Joint 12-M20x1.5-M22x1.5-60° | 1 | |

| | | | | |
|----|------------|---------------|---|--|
| 29 | 9108001000 | Oring 18x2.65 | 2 | |
|----|------------|---------------|---|--|

Fig. 34 Mast lifting pipeline (three stage full free lift)

Note: ▲ spare parts will not be provided seperately

Side shifter and pipeline installation (standard mast)

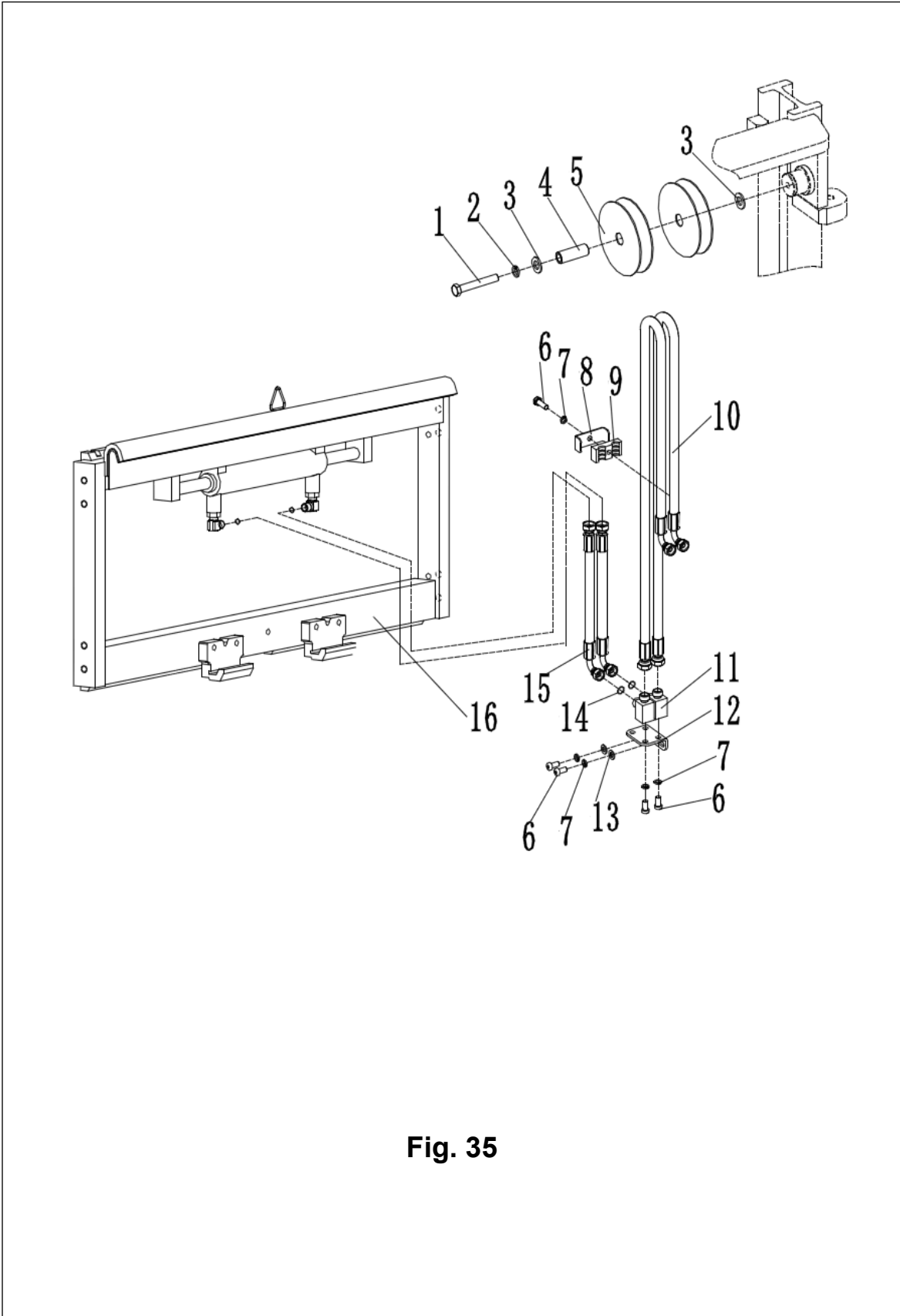


Fig. 35

Fig. 35 Side shifter and pipeline installation (standard mast)

| No. | Coding | Description | Qty | Note |
|-----|------------------|---|-----|------------|
| 1 | 9101001000 56 | Bolt GB5782-M12x90-8.8 | 1 | |
| 2 | 9104005000 08 | Washer GB93-12 | 1 | |
| 3 | 9104001000 08 | Washer GB97.1-12-200HV | 1 | |
| 4 | 2550305200 22 | Bush $\Phi 22 \times \Phi 13 \times 56$ | 1 | |
| 5 | 2550305200 21 | Pulley $\Phi 110 \times 27$ | 2 | |
| 6 | 9102002000 59 | Screw GB70.1-M8x30-8.8 | 2 | |
| 7 | 9104005000 06 | Washer GB93-8 | 6 | |
| 8 | 2550285200 34 | Rubber pipe lump | 2 | |
| 9 | 2550285200 35 | Pipe press fixedly plank | 2 | |
| 10 | 2550285200 46 | Hydraulic hose assembly (90°)8-L2900-1SC-60° | 2 | H=200 0 |
| | 2550285200 47 | Hydraulic hose assembly (90°)8-L3450-1SC-60° | 2 | H=250 0 |
| | 25502752001 1 | Hydraulic hose assembly (90°)8-L4050-1SC-60° | 2 | H=300 0 |
| | 2550275200 12 | Hydraulic hose assembly (90°)8-L4250-1SC-60° | 2 | H=330 0 |
| | 2550275200 13 | Hydraulic hose assembly (90°)8-L4400-1SC-60° | 2 | H=350 0 |
| | 2550275200 01 | Hydraulic hose assembly (90°)8-L4500-1SC-60° | 2 | H=360 0 |
| | 2550275200 14 | Hydraulic hose assembly (90°)8-L4650-1SC-60° | 2 | H=370 0 |
| | 2550275200 15 | Hydraulic hose assembly (90°)8-L5050-1SC-60° | 2 | H=400 0 |

| | | | |
|------------------|---|---|------------|
| 2550275200 16 | Hydraulic hose assembly (90°)8-L5350-1SC-60° | 2 | H=430 0 |
| 2550275200 17 | Hydraulic hose assembly (90°)8-L5550-1SC-60° | 2 | H=450 0 |
| 2550275200 18 | Hydraulic hose assembly (90°)8-L6150-1SC-60° | 2 | H=500 0 |
| 2550275200 19 | Hydraulic hose assembly (90°)8-L6650-1SC-60° | 2 | H=550 0 |
| 2550275200 20 | Hydraulic hose assembly (90°)8-L7150-1SC-60° | 2 | H=600 0 |

Side shifter and pipeline installation (standard mast)

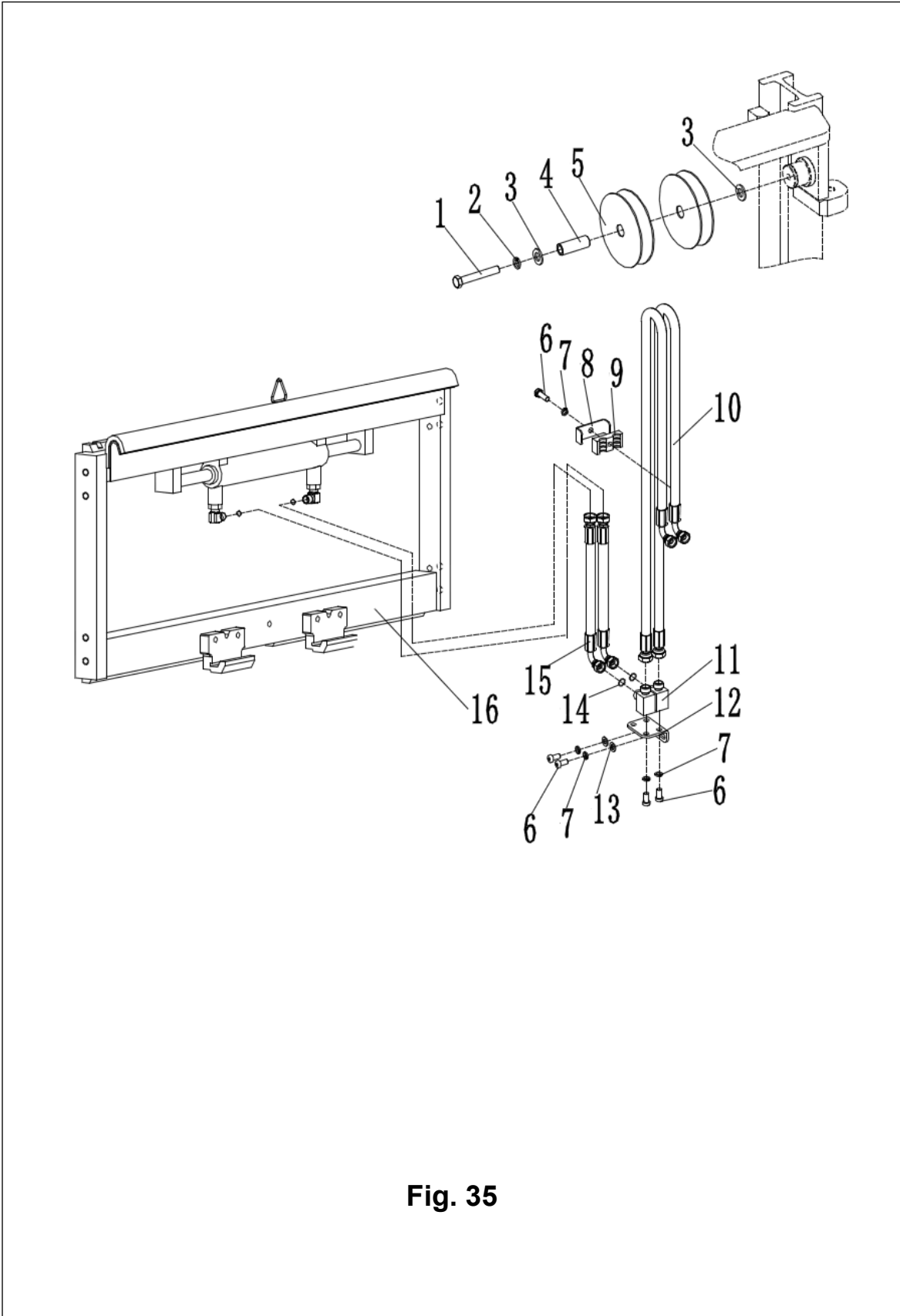


Fig. 35

Fig. 35 Side shifter and pipeline installation (standard mast)

| No. | Coding | Description | Qty | Note |
|-----|------------------|---|-----|------|
| 11 | 2550290200 24 | Joint 8-2XM16x1.5-60° | 2 | |
| 12 | 2541275200 01 | fixedly plank | 1 | |
| 13 | 9104001000 06 | Washer GB97.1-8-200HV | 2 | |
| 14 | 9108001000 01 | Oring 9.5x1.8 | 4 | |
| 15 | 2550425201 01 | Hydraulic hose assembly (90°)8-L500-1SC-90° | 2 | |
| 16 | 2550425100 01 | Side shifter assembly | 1 | |

Side shifter and pipeline installation(two stage full free)

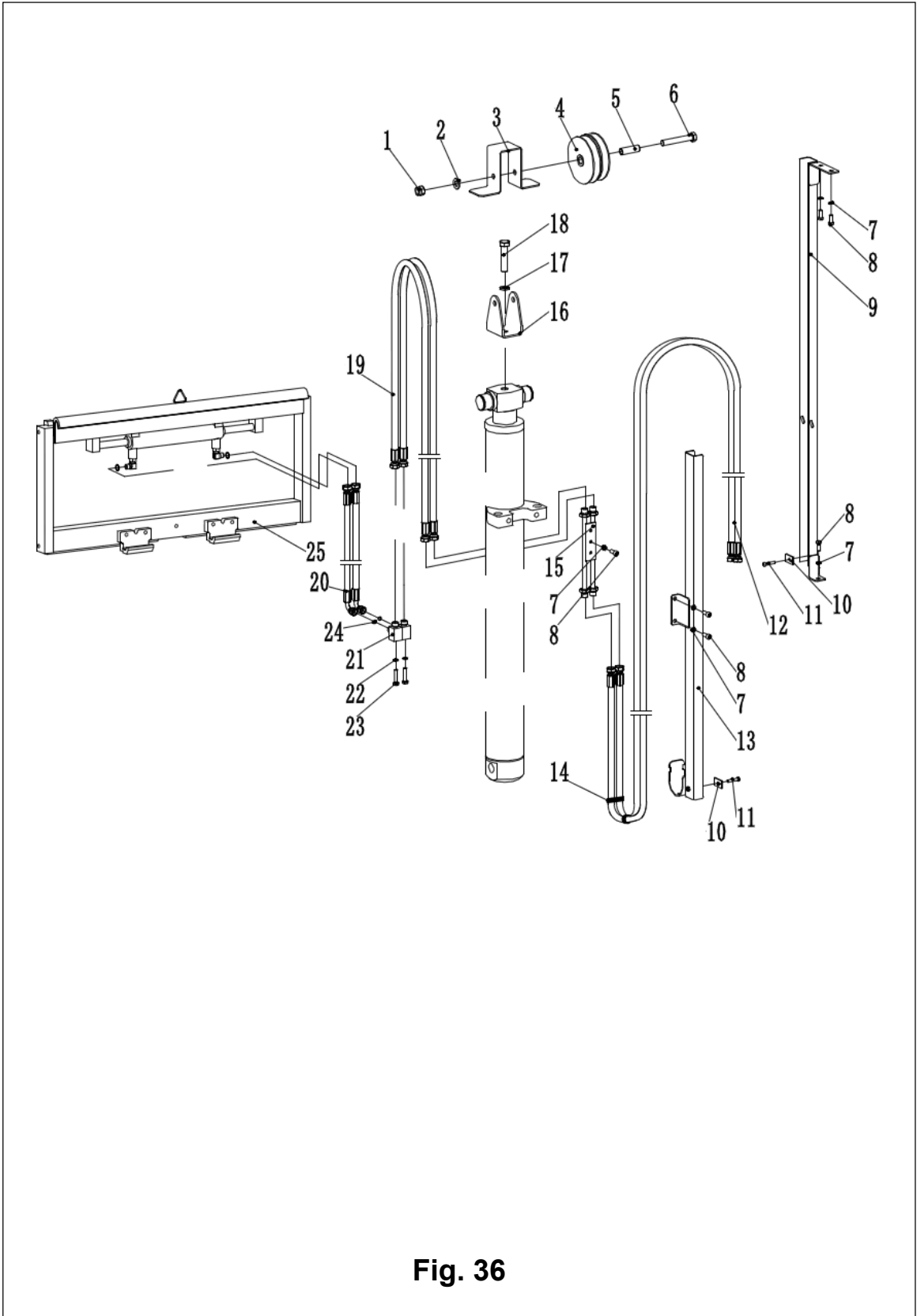


Fig. 36

Fig. 36 Side shifter and pipeline installation(two stage full free)

| No. | Coding | Description | Qty | Note |
|-----|------------------|---|-----|------|
| 1 | 91040010000 8 | Washer GB97.1-12-200HV | 1 | |
| 2 | 91030050000 6 | Nut GB889.1-M12-10 | 1 | |
| 3 | 25502852004 3 | Plate | 1 | |
| 4 | 25503052002 1 | Pulley ϕ 110x27 | 2 | |
| 5 | 25503052002 2 | Bushing | 1 | |
| 6 | 91010010005 6 | Bolt GB5782-M12x90-8.8 | 1 | |
| 7 | 91040050000 6 | Washer GB93-8 | 11 | |
| 8 | 91020020005 7 | Screw GB70.1-M8x20-8.8 | 7 | |
| 9 | 25502851000 1 | Groove welding L=670 | 1 | |
| | 25502851000 2 | Groove welding L=840 | 1 | |
| | 25502851000 3 | Groove welding L=1090 | 1 | |
| | 25502851000 4 | Groove welding L=1240 | 1 | |
| | 25502851000 5 | Groove welding L=1390 | 1 | |
| | 25502851000 6 | Groove welding L=1640 | 1 | |
| 10 | 25502852005 2 | Press plate | 2 | |
| 11 | 91020020003 9 | Screw GB70.1-M6x30-8.8 | 2 | |
| 12 | 25502852002 1 | Hydraulic hose assembly (90°)8-L2700-1SC-60° | 2 | |
| | 25502852002 6 | Hydraulic hose assembly (90°)8-L2950-1SC-60° | 2 | |
| | 25502851001 1 | Groove welding L=680 | 1 | |

| | | | | |
|----|------------------|------------------------|---|--|
| 13 | 25502851001 2 | Groove welding L=800 | 1 | |
| | 25502851001 3 | Groove welding L=930 | 1 | |
| | 25502851001 4 | Groove welding L=1020 | 1 | |
| | 25502851001 5 | Groove welding L=1080 | 1 | |
| | 25502851001 6 | Groove welding L=1180 | 1 | |
| 14 | 92160040000 1 | Strip 4x250 | 2 | |
| 15 | 25502851002 2 | Transition steel pipe | 1 | |
| 16 | 25503052002 6 | Pulley frame | 1 | |
| 17 | 91010010007 2 | Bolt GB5782-M16x60-8.8 | 1 | |

Side shifter and pipeline installation(two stage full free)

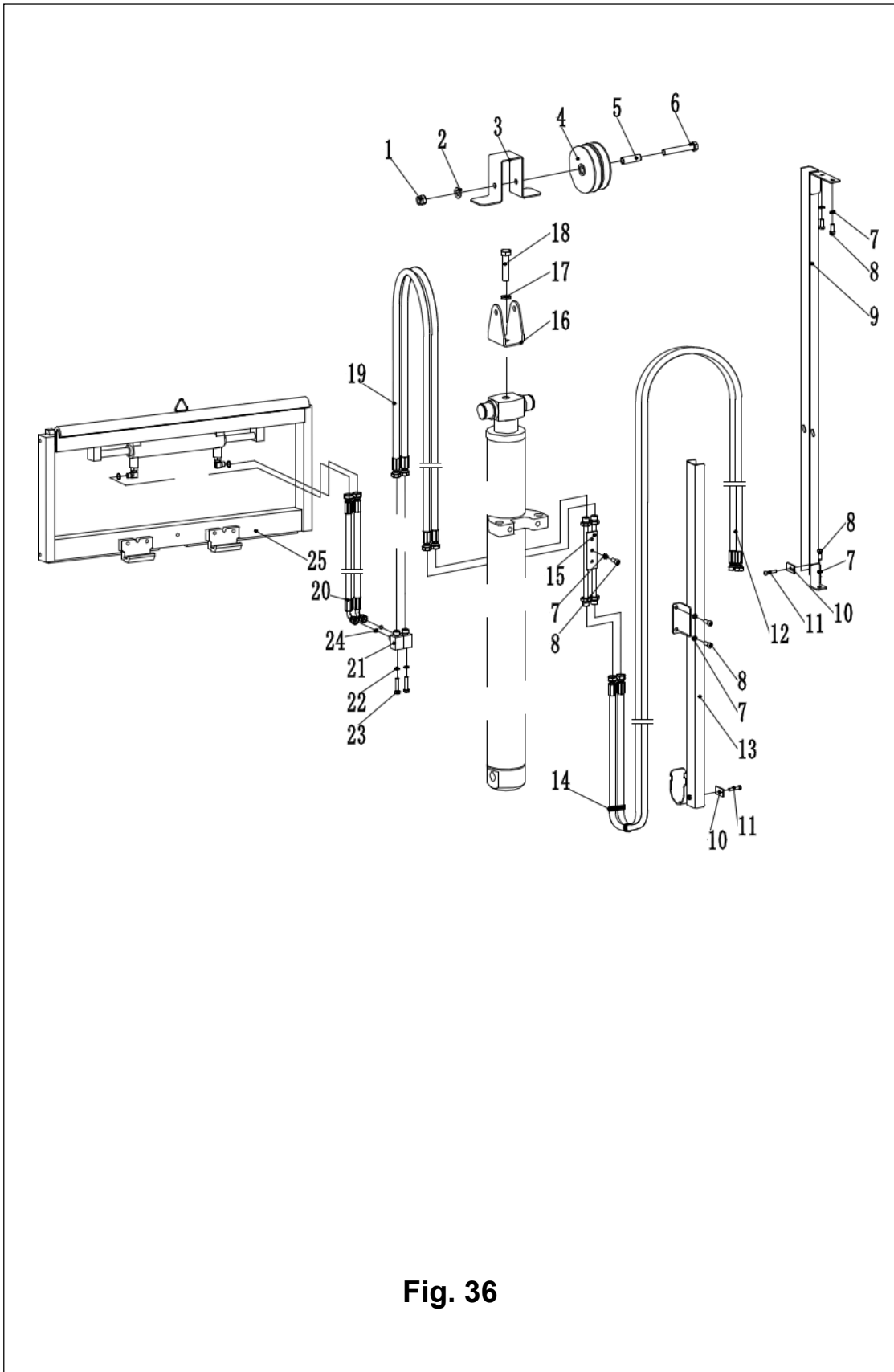


Fig. 36

Fig. 36 Side shifter and pipeline installation(two stage full free)

| No. | Coding | Description | Qty | Note |
|-----|--------------|---|-----|------|
| 18 | 910400100010 | Washer GB97.1-16-200HV | 1 | |
| 19 | 255028520008 | Hydraulic hose assembly 8-L950-1SC-60° | 2 | |
| | 255028520009 | Hydraulic hose assembly 8-L1200-1SC-60° | 2 | |
| | 255028520010 | Hydraulic hose assembly 8-L1470-1SC-60° | 2 | |
| | 255028520011 | Hydraulic hose assembly 8-L1600-1SC-60° | 2 | |
| | 255028520012 | Hydraulic hose assembly 8-L1700-1SC-60° | 2 | |
| | 255028520013 | Hydraulic hose assembly 8-L1750-1SC-60° | 2 | |
| | 255028520015 | Hydraulic hose assembly 8-L1950-1SC-60° | 2 | |
| | 255028520016 | Hydraulic hose assembly 8-L2100-1SC-60° | 2 | |
| | 255028520017 | Hydraulic hose assembly 8-L2200-1SC-60° | 2 | |
| | 255028520018 | Hydraulic hose assembly 8-L2450-1SC-60° | 2 | |
| | 255028520019 | Hydraulic hose assembly 8-L2700-1SC-60° | 2 | |
| | 255028520020 | Hydraulic hose assembly 8-L2950-1SC-60° | 2 | |
| 20 | 255042520101 | Hydraulic hose assembly (90°)8-L500-1SC-90° | 2 | |
| 21 | 255029020024 | Joint 8-2XM16x1.5-60° | 2 | |
| 22 | 910400500006 | Washer GB93-8 | 1 | |
| 23 | 910100300025 | Bolt GB5783-M8x35-8.8 | 2 | |
| 24 | 910800100001 | Oring 9.5x1.8 | 4 | |
| 25 | 255042510001 | Side shifter assembly | 1 | |

Side shifter and pipeline installation(three stage full free)

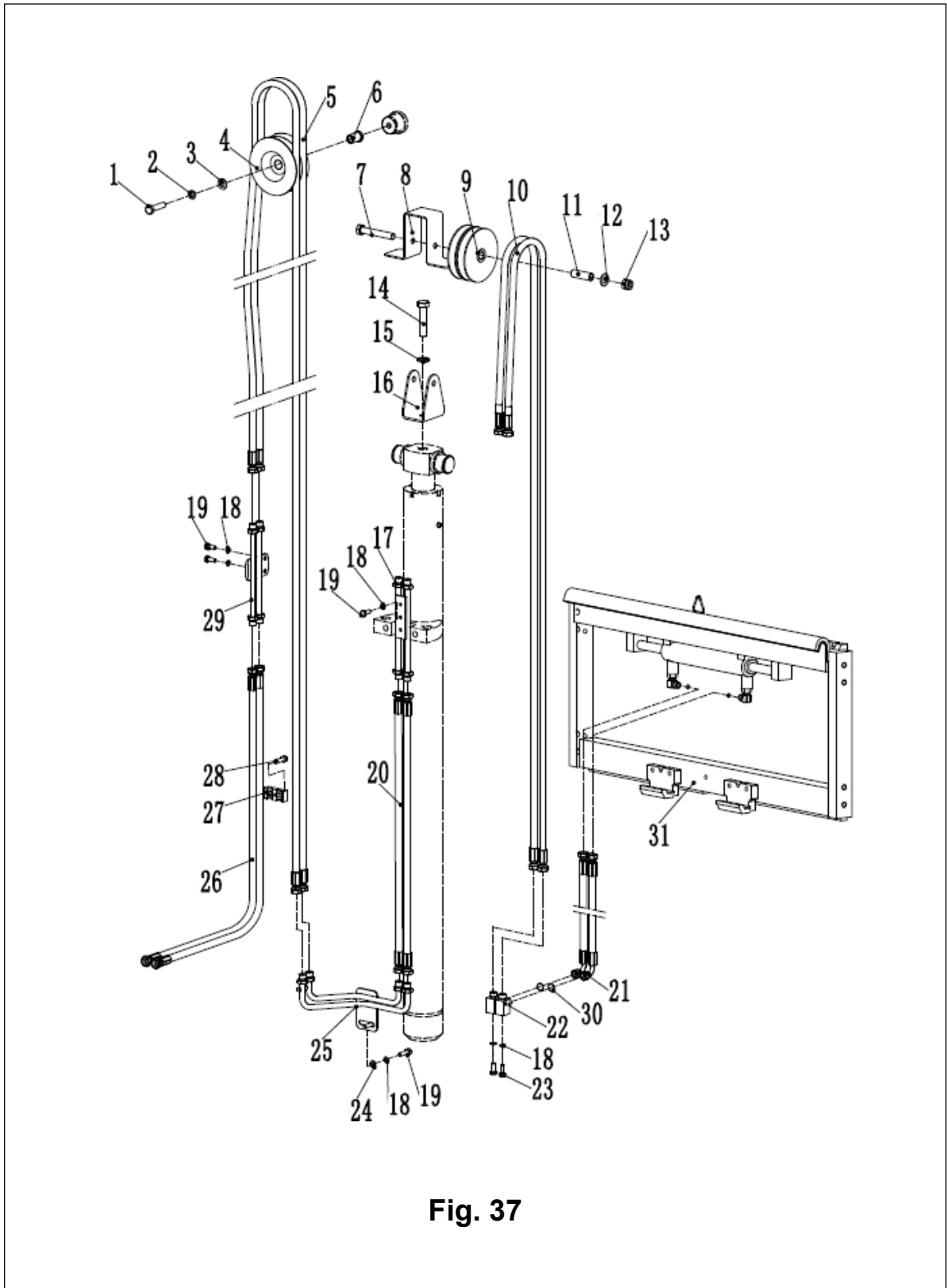


Fig. 37

Fig. 37 Side shifter and pipeline installation(three stage full free)

| No. | Coding | Description | Qty | Note |
|-----|------------------|--|-----|------|
| 1 | 91010030005 4 | Bolt GB5783-M12x50-8.8 | 1 | |
| 2 | 91040050000 8 | Washer GB93-12 | 1 | |
| 3 | 91040010000 8 | Washer GB97.1-12-200HV | 2 | |
| 4 | 2550305200 20 | Pulley | 1 | |
| 5 | 25503052000 1 | Hydraulic hose assembly 8-L2060-1CS-60° | 1 | |
| | 25503052000 2 | Hydraulic hose assembly 8-L2310-1CS-60° | 1 | |
| | 25503052000 3 | Hydraulic hose assembly 8-L2410-1CS-60° | 1 | |
| | 25503052000 4 | Hydraulic hose assembly 8-L2610-1CS-60° | 1 | |
| | 25503052000 5 | Hydraulic hose assembly 8-L2900-1CS-60° | 1 | |
| | 25503052000 6 | Hydraulic hose assembly 8-L3370-1CS-60° | 1 | |
| | 25503052000 7 | Hydraulic hose assembly 8-L3840-1CS-60° | 1 | |
| 6 | 2550445200 81 | Bushing | 1 | |
| 7 | 91010010005 6 | Bolt GB5782-M12x90-8.8 | 1 | |
| 8 | 25502852004 3 | Chain plate | 1 | |
| 9 | 25503052002 1 | Pulley φ110x27 | 2 | |
| | 25503052001 0 | Hydraulic hose assembly8- L1060-1CS-60° | 2 | |
| | 25503052001 1 | Hydraulic hose assembly8- L1190-1CS-60° | 2 | |

| | | | | | |
|----|------------------|--|----------|---|--|
| 10 | 25503052001 2 | Hydraulic assembly8- L1240-1CS-60° | hos e | 2 | |
| | 25503052001 3 | Hydraulic assembly8- L1340-1CS-60° | hos e | 2 | |
| | 25503052001 4 | Hydraulic assembly8- L1450-1CS-60° | hos e | 2 | |
| | 25503052001 5 | Hydraulic assembly8- L1680-1CS-60° | hos e | 2 | |
| | 25503052001 6 | Hydraulic assembly8- L1920-1CS-60° | hos e | 2 | |
| 11 | 25503052002 2 | Bushing | | 1 | |

Side shifter and pipeline installation(three stage full free)

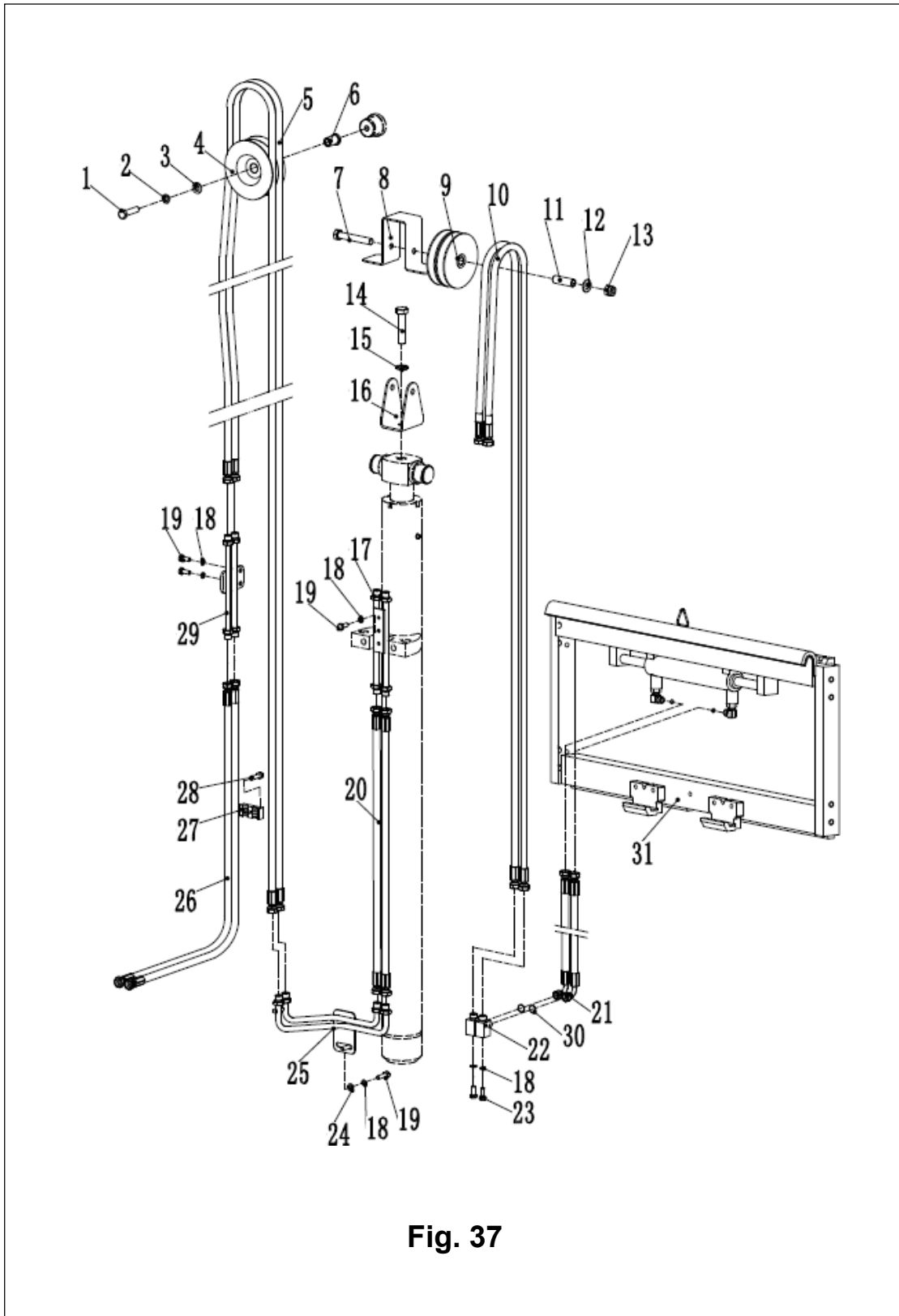


Fig. 37 Side shifter and pipeline installation(three stage full free)

| No. | Coding | Description | Qty | Note |
|-----|--------------|--|-----|------|
| 12 | 910400100008 | Washer GB97.1-12-200HV | 2 | |
| 13 | 910300500006 | Nut GB889.1-M12-10 | 1 | |
| 14 | 910100100072 | Bolt GB5782-M16x60-8.8 | 1 | |
| 15 | 910400100010 | Washer GB97.1-16-200HV | 1 | |
| 16 | 255030520026 | Pulley frame | 1 | |
| 17 | 255028510022 | Transition steel plate | 1 | |
| 18 | 910400100006 | Washer GB93-8 | 5 | |
| 19 | 910100300022 | Bolt GB5783-M8x20-8.8 | 5 | |
| 20 | 255030520008 | Hydraulic hose assembly 8-L360-1CS-60° | 2 | |
| | 255030520009 | Hydraulic hose assembly 8-L610-1CS-60° | 2 | |
| 21 | 255042520101 | Hydraulic hose assembly (90°)8-L500-1SC-90° | 2 | |
| 22 | 255029020024 | Joint 8-2XM16x1.5-60° | 2 | |
| 23 | 910100300025 | Bolt GB5783-M8x35-8.8 | 2 | |
| 24 | 910400500006 | Washer GB97.1-8-200HV | 5 | |
| 25 | 255030520019 | Hydraulic steel pipe welding | 1 | |
| 26 | 255030520017 | Sidesway rubber hose | 2 | |
| 27 | 255028520034 | Hose fixing bloke | 2 | |
| 28 | 910200200060 | Screw GB70.1-M8x35-8.8 | 1 | |

| | | | | |
|----|------------------|------------------------------|---|--|
| 29 | 25503052001 8 | Hydraulic steel pipe welding | 1 | |
| 30 | 91080010000 1 | Oring 9.5x1.8 | 4 | |
| 31 | 25504251000 1 | Side shift assembly | 1 | |

Fork

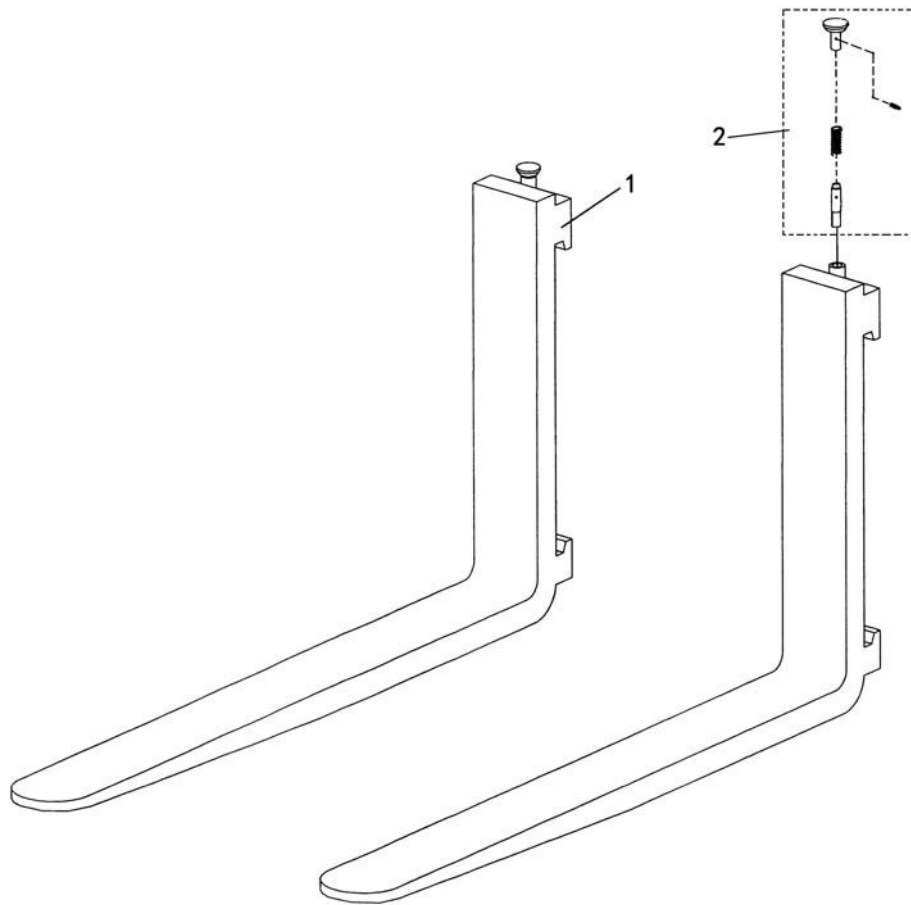


Fig. 38

Fig. 38**Fork**

| No. | Coding | Description | Qty | Note |
|-----|------------------|-------------------|-----|---------|
| A | 9401001000 08 | Fork 120x40x1070 | 2 | Inc.1-2 |
| | 9401001000 10 | Fork 120x40x1150 | 2 | |
| | 9401001000 09 | Fork 120x40x1220 | 2 | |
| | 94010010001 1 | Fork 120x40x1370 | 2 | |
| | 9401001000 12 | Fork 120x40x1520 | 2 | |
| 1 | | Fork body | 2 | ▲ |
| 2 | 25309854101 | Lift pin assembly | 2 | |

Fig. 38

Fork

Note: ▲ spare parts will not be provided separately

Fork

carrier(standard mast)

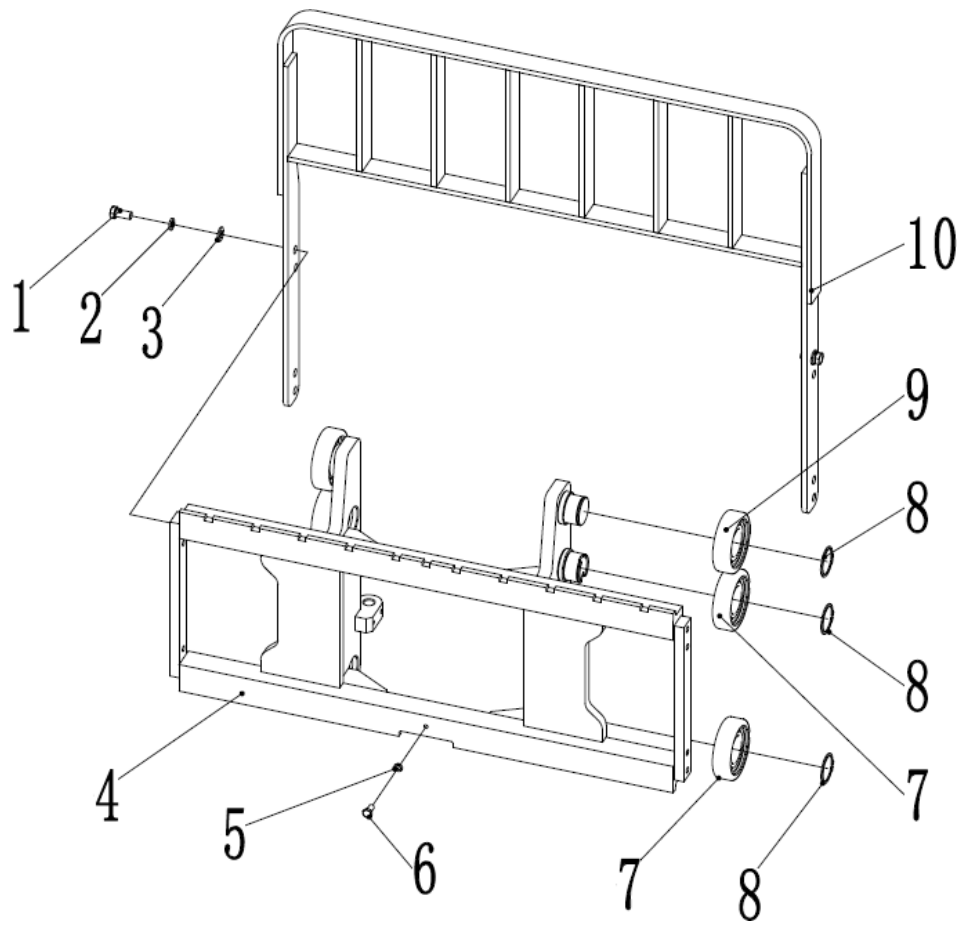


Fig. 39

Fig. 39 Fork carrier(standard mast)

| No. | Coding | Art No. | Description | Qty | Note |
|-----|------------------|-------------|--|-----|------|
| 1 | 91010030006 2 | | Bolt GB5783-M14x30-8.8 | 8 | |
| 2 | 91040050000 9 | | Washer GB93-14 | 8 | |
| 3 | 91040010000 9 | | Washer GB97.1-14-200HV | 8 | |
| 4 | 25503801000 1 | | Fork carrier weldind (standard mast) | 1 | |
| 5 | 91040010000 7 | | Washer GB97.1-10-200HV | 1 | |
| 6 | 91020020007 7 | | ScrewGB70.1- M10x30-8.8 | 1 | |
| 7 | 94020030001 4 | 30480-13000 | Roller ϕ 119.2-range=59.5-64.5 | 4 | |
| 8 | 91040130002 6 | | Circlip GB894.1-55 | 6 | |
| 9 | 94020010000 3 | 30480-13100 | Main roller ϕ 119x ϕ 55x34 | 2 | |
| 10 | 25504051000 1 | 25480-06000 | Load backrest welding | 1 | |

Fork carrier(two stage full free)

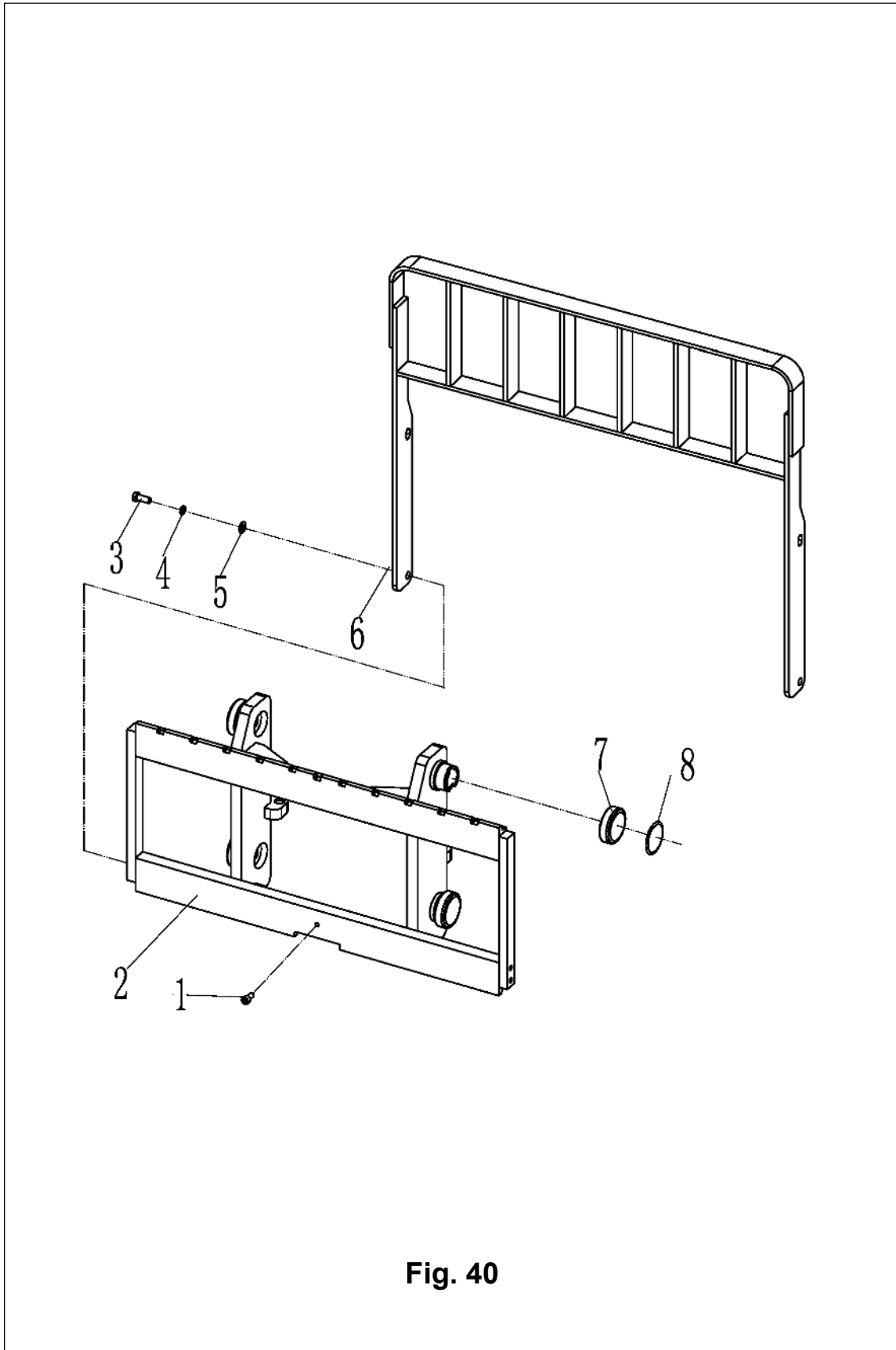


Fig. 40

Fig. 40 Fork carrier(two stage full free)

| No. | Coding | Description | Qty | Note |
|-----|------------------|--|-----|------|
| 1 | 9102002000 77 | ScrewGB70.1-M10x30-8.8 | 1 | |
| 2 | 2550380100 02 | Fork carrier welding (two stage full free) | 1 | |
| 3 | 9101003000 62 | Bolt GB5783-M14x30-8.8 | 8 | |
| 4 | 9104005000 09 | Washer GB93-14 | 8 | |
| 5 | 9104001000 09 | Washer GB97.1-14-200HV | 8 | |
| 6 | 2550405100 01 | Fork carrier welding | 1 | |
| 7 | 9402003000 14 | Roller ϕ 119.2-range=59.5-64.5 | 2 | |
| 8 | 9104013000 26 | Circlip GB894.1-55 | 2 | |

Fork carrier(three stage full free)

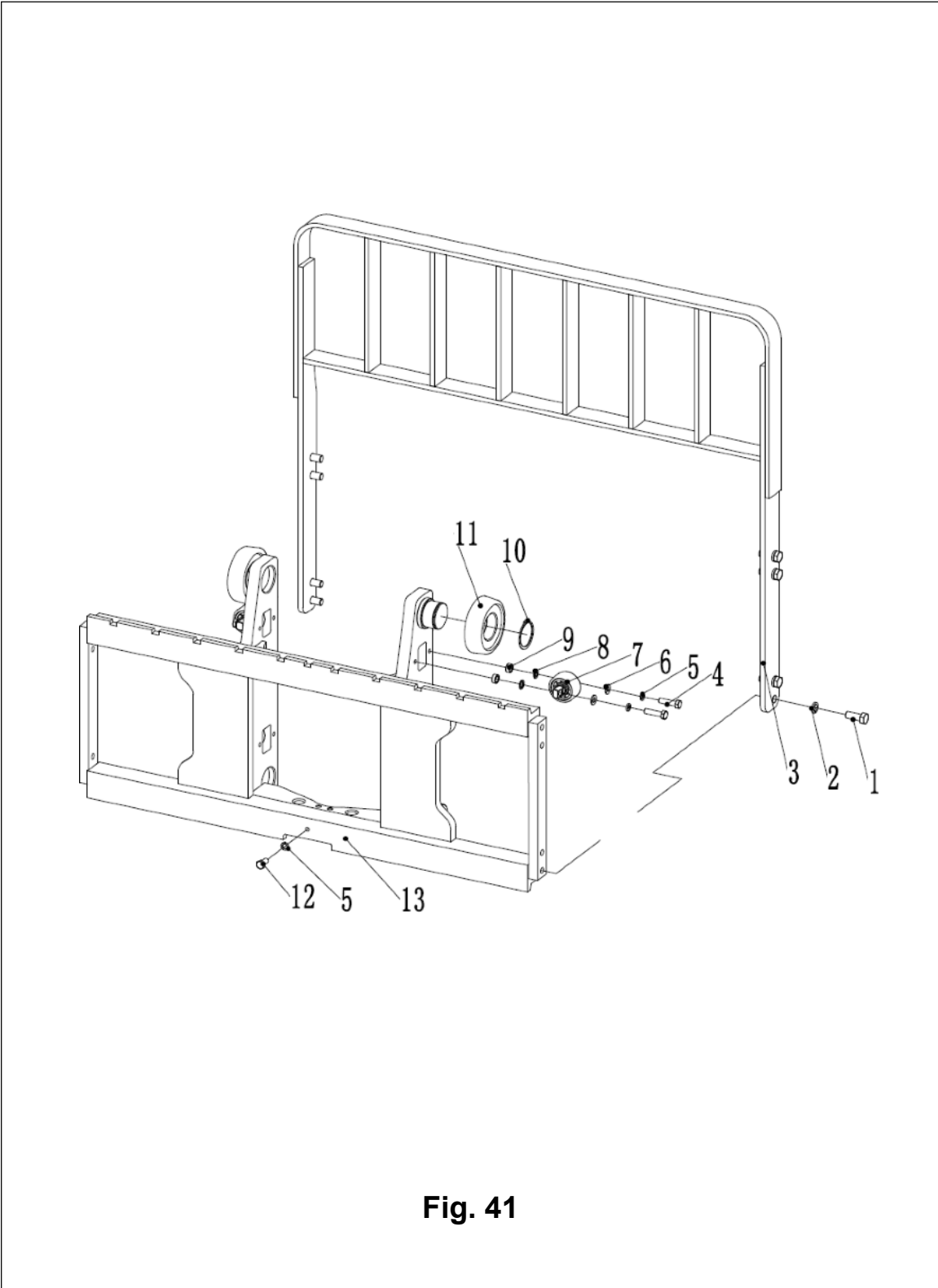


Fig. 41

Fig. 41 Fork carrier(three stage full free)

| No. | Coding | Description | Qty. | Note |
|-----|------------------|---|--------------------|------|
| 1 | 9101003000 62 | Bolt GB5783-M14x30-8.8 | 8 | |
| 2 | 9104005000 09 | Washer GB93-14 | 8 | |
| 3 | 9104001000 09 | Washer GB97.1-14-200HV | 8 | |
| 4 | 9101003000 39 | Bolt GB5783-M10x40-8.8 | 1 | |
| 5 | 9104001000 07 | Washer GB97.1-10-200HV | 1 | |
| 6 | 9104005000 08 | Washer GB93-12 | 1 | |
| 7 | 9402002000 06 | Side roller ϕ 58-CD=60 | 4 | |
| 8 | 2550380200 08 | Side roller adjusting bushing | As requir ed | |
| 9 | 2550380200 09 | Side roller adjusting pad | As requir ed | |
| 10 | 9104013000 26 | Circlip GB894.1-55 | 2 | |
| 11 | 9402003000 14 | Roller ϕ 119.2-range=59.5-64.5 | 2 | |
| 12 | 9102002000 77 | Screw GB70.1-M10x30-8.8 | 1 | |
| 13 | 2550380100 03 | Fork carrier welding (three stage full free) | 1 | |

Mast (standard mast)

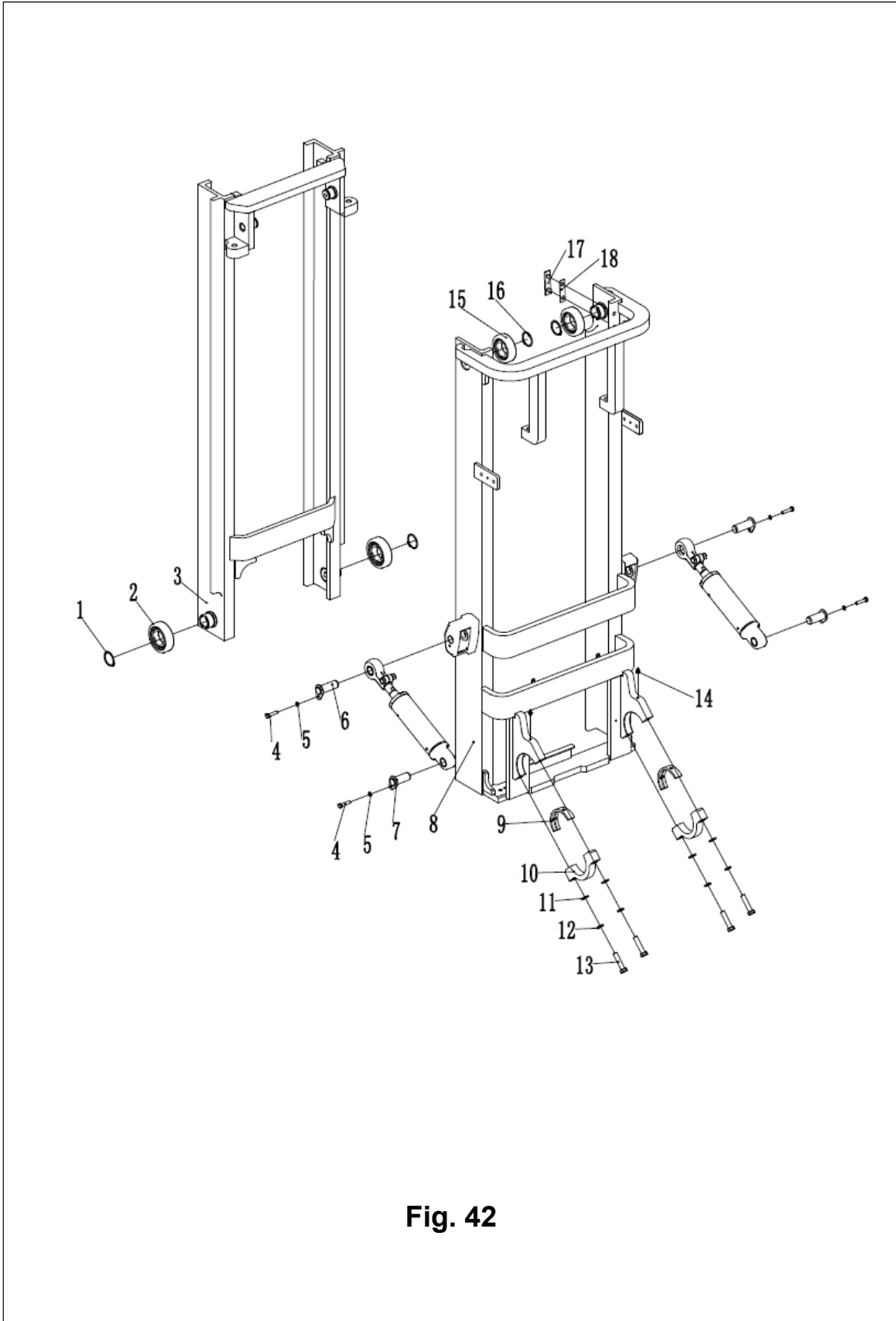


Fig. 42

Fig. 42**Mast (standard mast)**

| No. | Coding | Description | Qty | Note |
|-----|------------------|---|-----|---------|
| 1 | 91040130002 6 | Circlip GB894.1-55 | 2 | |
| 2 | 9402003000 14 | Roller ϕ 119.2- range=59.5-64.5 | 2 | |
| 3 | 25504401001 4 | Mast 2000 | 1 | H=2000m |
| | 25504401001 5 | Mast 2500 | 1 | H=2500m |
| | 25504401001 6 | Mast 3000 | 1 | H=3000m |
| | 25504401001 7 | Mast 3300 | 1 | H=3300m |
| | 25504401001 8 | Mast 3500 | 1 | H=3500m |
| | 25504401001 9 | Mast 3600 | 1 | H=3600m |
| | 25504401002 0 | Mast 3700 | 1 | H=3700m |
| | 25504401002 1 | Mast 4000 | 1 | H=4000m |
| | 25504401002 2 | Mast 4300 | 1 | H=4300m |
| | 25504401002 3 | Mast 4500 | 1 | H=4500m |
| | 25504401002 4 | Mast 5000 | 1 | H=5000m |
| | 25504401002 5 | Mast 5500 | 1 | H=5500m |
| | 25504401002 6 | Mast 6000 | 1 | H=6000m |
| 4 | 91010030003 5 | Bolt GB5783-M10x20-8.8 | 4 | |
| 5 | 9104001000 07 | Washer GB97.1-10-200HV | 9 | |
| 6 | 25504401005 7 | Axle ϕ 30x82 | 2 | |
| 7 | 25504401005 6 | Axle ϕ 30x72 | 2 | |

| | | | | | |
|---|----------------|------------------|--|---|---------|
| 8 | Fig. 42 | 25504401000 1 | Mast 2000 Mast (standard mast) | 1 | H=2000m |
| | | 25504401000 2 | Mast 2500 | 1 | H=2500m |
| | | 25504401000 3 | Mast 3000 | 1 | H=3000m |
| | | 25504401000 4 | Mast 3300 | 1 | H=3300m |
| | | 25504401000 5 | Mast 3500 | 1 | H=3500m |
| | | 25504401000 6 | Mast 3600 | 1 | H=3600m |
| | | 25504401000 7 | Mast 3700 | 1 | H=3700m |
| | | 25504401000 8 | Mast 4000 | 1 | H=4000m |
| | | 25504401000 9 | Mast 4300 | 1 | H=4300m |

Mast (standard mast)

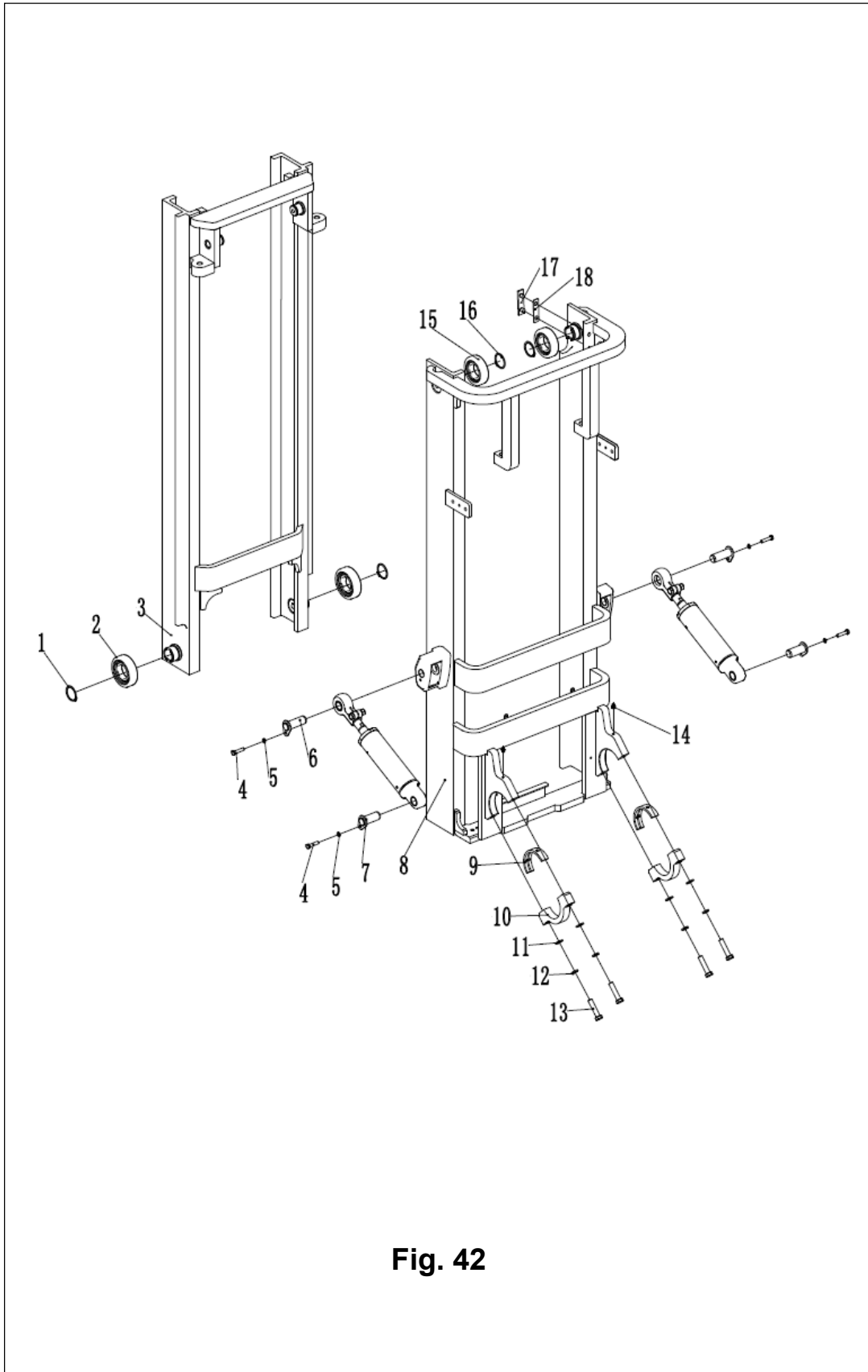


Fig. 42

Fig. 42**Mast (standard mast)**

| No. | Coding | Description | Qty | Note |
|-----|------------------|--|-----|---------|
| 8 | 25504401001 0 | Mast 4500 | 1 | H=4500m |
| | 25504401001 1 | Mast 5000 | 1 | H=5000m |
| | 25504401001 2 | Mast 5500 | 1 | H=5500m |
| | 25504401001 3 | Mast 6000 | 1 | H=6000m |
| 9 | 2550440200 06 | Bearing bush | 2 | |
| 10 | 2550440200 05 | Bearing cover | 2 | |
| 11 | 9104005000 10 | Washer GB93-16 | 4 | |
| 12 | 91010020001 6 | Bolt GB5785-M16x1.5x70-8.8 | 4 | |
| 13 | 9104001000 10 | Washer GB97.1-16-200HV | 4 | |
| 14 | 91120010000 4 | Grease nipple JB7940.1-M10x1 | 2 | |
| 15 | 9402003000 13 | Roller ϕ 111-range=53-58 | 2 | |
| 16 | 91040130002 6 | Circlip GB894.1-55 | 2 | |
| 17 | 25504402013 1 | Guide plate | 2 | |
| 18 | 25504402012 5 | Adjusting pad ϕ 35x ϕ 16x0.8 | 2 | |
| | 25504402012 6 | Adjusting pad ϕ 35x ϕ 16x0.5 | 2 | |
| | 25504402012 7 | Adjusting pad ϕ 35x ϕ 16x0.2 | 2 | |

Mast (two stage full free)

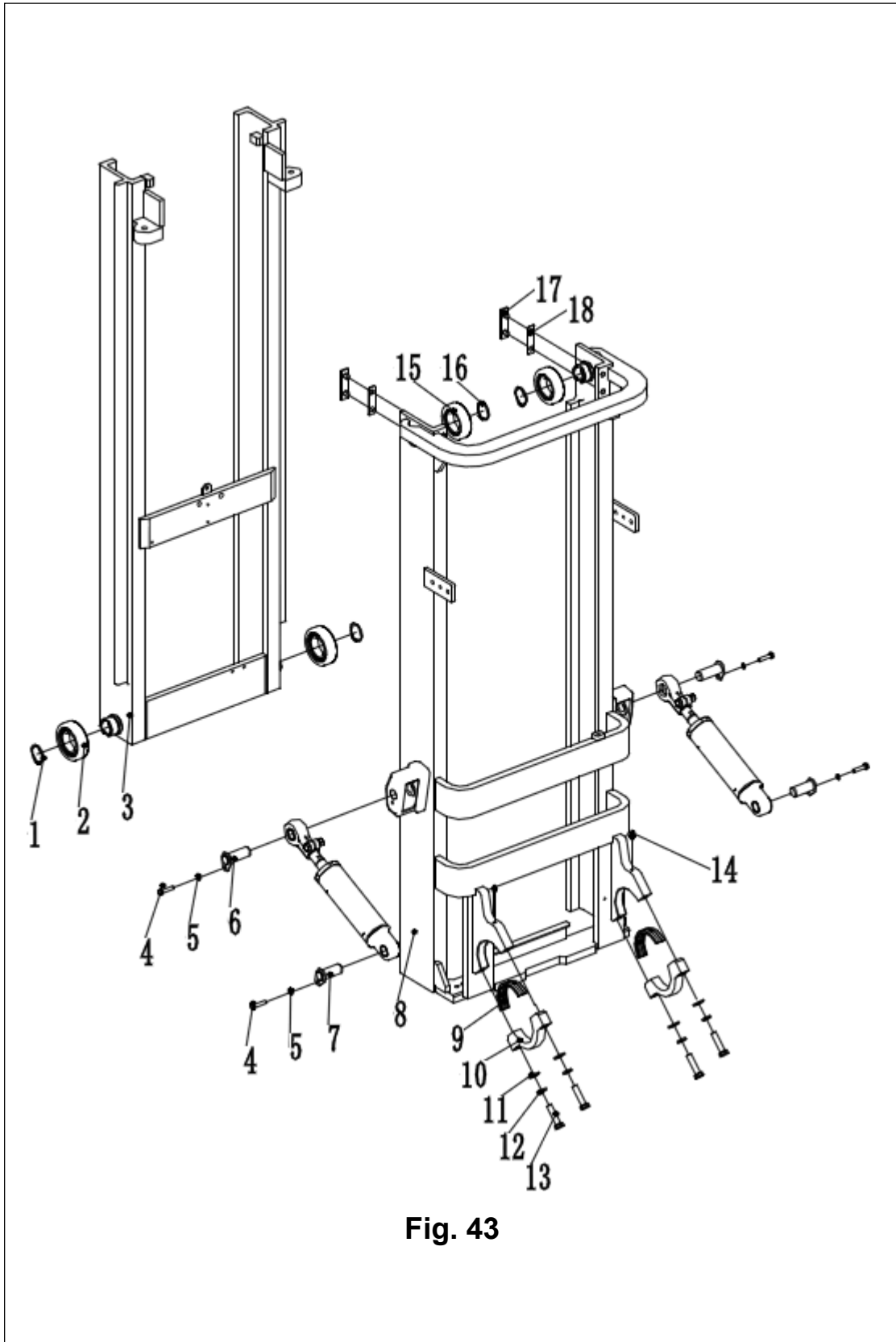


Fig. 43

Fig. 43 Mast (two stage full free)

| No. | Coding | Description | Qty | Note |
|-----|------------------|-------------------------------------|-----|---------|
| 1 | 91040130002 6 | Circlip GB894.1-55 | 2 | |
| 2 | 9402003000 14 | Roller ϕ 119.2-range=59.5-64.5 | 2 | |
| 3 | 25504351001 4 | Mast 2000 | 1 | H=2000m |
| | 25504351001 5 | Mast 2500 | 1 | H=2500m |
| | 25504351001 6 | Mast 3000 | 1 | H=3000m |
| | 25504351001 7 | Mast 3300 | 1 | H=3300m |
| | 25504351001 8 | Mast 3500 | 1 | H=3500m |
| | 25504351001 9 | Mast 3600 | 1 | H=3600m |
| | 25504351002 0 | mast3700 | 1 | H=3700m |
| | 25504351002 1 | Mast 4000 | 1 | H=4000m |
| | 25504351002 2 | Mast 4300 | 1 | H=4300m |
| | 25504351002 3 | Mast 4500 | 1 | H=4500m |
| | 25504351002 4 | Mast 5000 | 1 | H=5000m |
| | 25504351002 5 | Mast 5500 | 1 | H=5500m |
| | 25504351002 6 | Mast 6000 | 1 | H=6000m |
| 4 | 91010030003 5 | Bolt GB5783-M10x20-8.8 | 4 | |
| 5 | 9104001000 07 | Washer GB97.1-10-200HV | 9 | |
| 6 | 25504401005 7 | Axle ϕ 30x82 | 2 | |
| 7 | 25504401005 6 | Axle ϕ 30x72 | 2 | |

| | | | | | |
|---|----------------|------------------|-----------|---|---------|
| 8 | Fig. 43 | 25504351002 7 | Mast 2000 | 1 | H=2000m |
| | | 25504351002 8 | Mast 2500 | 1 | H=2500m |
| | | 25504351002 9 | Mast 3000 | 1 | H=3000m |
| | | 25504351003 0 | Mast 3300 | 1 | H=3300m |
| | | 25504351003 1 | Mast 3500 | 1 | H=3500m |
| | | 25504351003 2 | Mast 3600 | 1 | H=3600m |
| | | 25504351003 3 | Mast 3700 | 1 | H=3700m |
| | | 25504351003 4 | Mast 4000 | 1 | H=4000m |
| | | 25504351003 5 | Mast 4300 | 1 | H=4300m |

Mast (two stage full free)

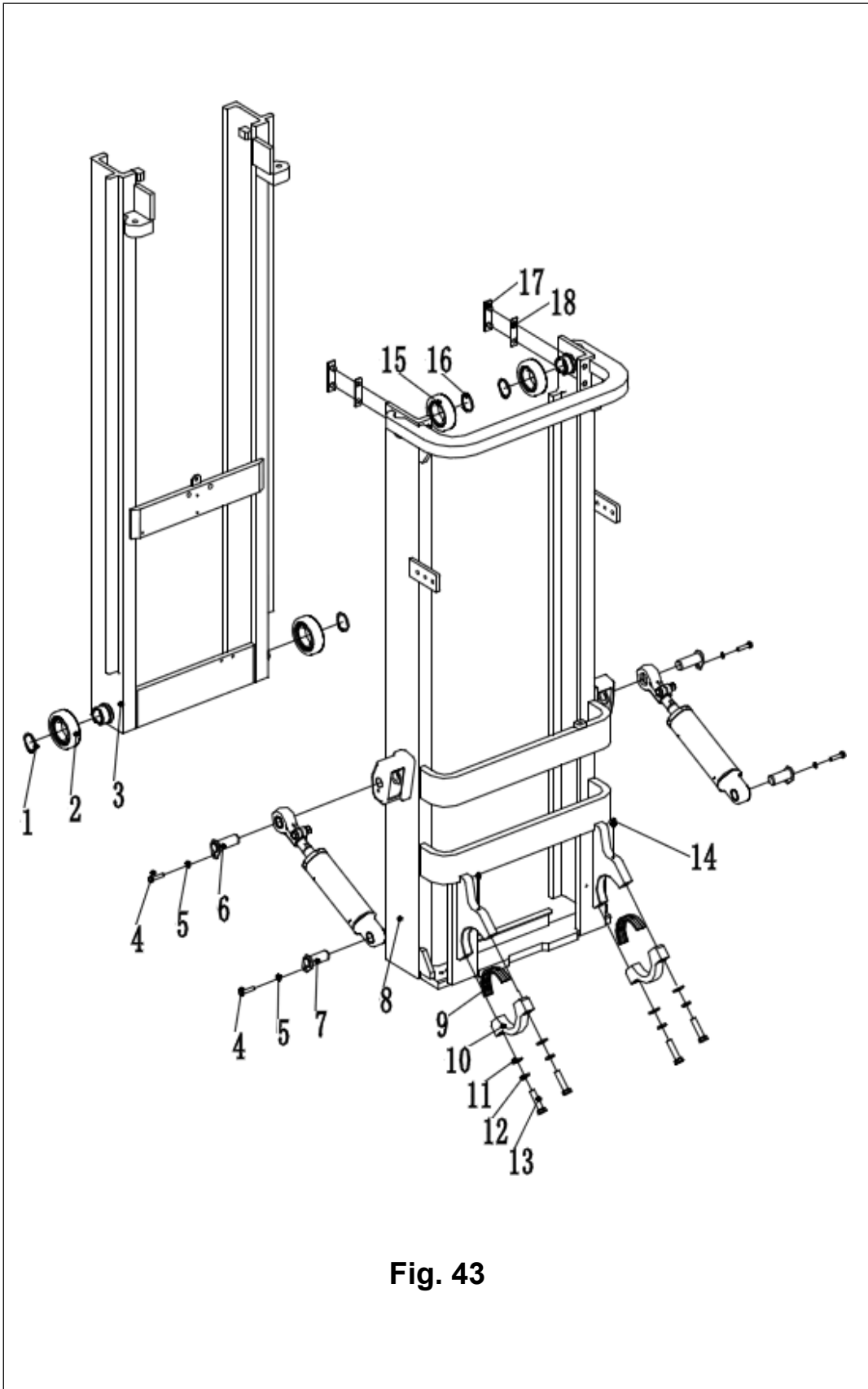


Fig. 43

Fig. 43**Mast (two stage full free)**

| No. | Coding | Description | Qty | Note |
|-----|------------------|--|-----|---------|
| 8 | 25504351003 6 | Mast4500 | 1 | H=4500m |
| | 2550435100 37 | Mast5000 | 1 | H=5000m |
| | 2550435100 38 | Mast5500 | 1 | H=5500m |
| | 2550435100 39 | Mast6000 | 1 | H=6000m |
| 9 | 25504402000 6 | Bearing bush | 2 | |
| 10 | 2550440200 05 | Bearing cover | 2 | |
| 11 | 9104005000 10 | Washer GB93-16 | 4 | |
| 12 | 91010020001 6 | Bolt GB5785-M16x1.5x70-8.8 | 4 | |
| 13 | 9104001000 10 | Washer GB97.1-16-200HV | 4 | |
| 14 | 91120010000 4 | Grease nipple JB7940.1-M10x1 | 2 | |
| 15 | 9402003000 13 | Roller ϕ 111-range=53-58 | 2 | |
| 16 | 91040130002 6 | Circlip GB894.1-55 | 2 | |
| 17 | 25504402013 1 | Guide plate | 2 | |
| 18 | 25504402012 5 | Adjusting pad ϕ 35x ϕ 16x0.8 | 2 | |
| | 25504402012 6 | Adjusting pad ϕ 35x ϕ 16x0.5 | 2 | |
| | 25504402012 7 | Adjusting pad ϕ 35x ϕ 16x0.2 | 2 | |

Mast (three stage full free)

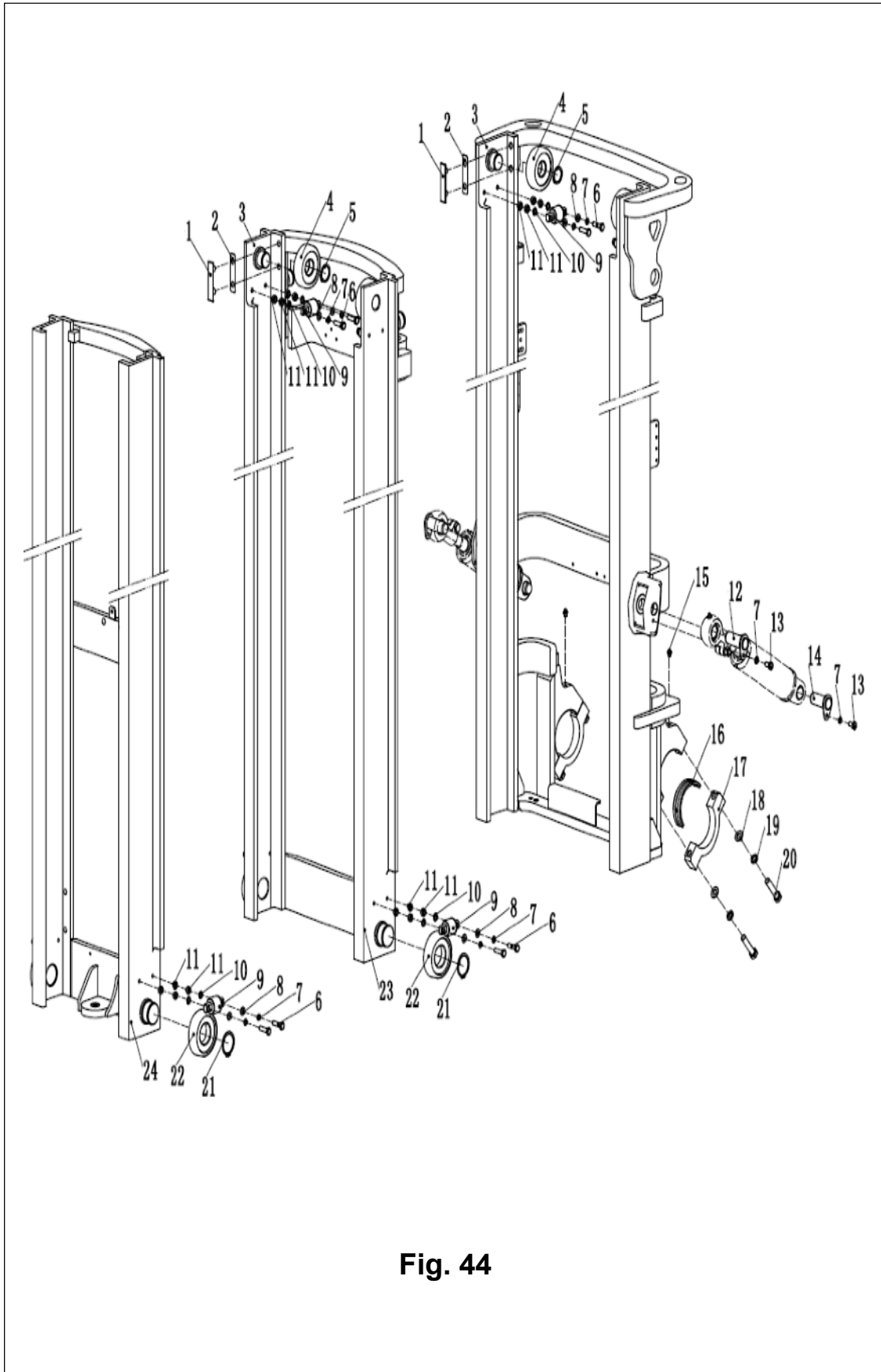


Fig. 44 Mast (three stage full free)

| No. | Coding | Description | Qty. | Note |
|-----|------------------|---|--------------------|---------|
| 1 | 2550440201 31 | Guide plate | 4 | |
| 2 | 2550440201 25 | Adjusting pad $\phi 35 \times \phi 16 \times 0.8$ | 4 | |
| | 2550440201 26 | Adjusting pad $\phi 35 \times \phi 16 \times 0.5$ | 4 | |
| | 2550440201 27 | Adjusting pad $\phi 35 \times \phi 16 \times 0.2$ | 4 | |
| 3 | 2550445100 30 | Mast 4000 | 1 | H=4000m |
| | 2550445100 31 | Mast 4300 | 1 | H=4300m |
| | 2550445100 32 | Mast 4500 | 1 | H=4500m |
| | 2550445100 33 | Mast 4800 | 1 | H=4800m |
| | 2550445100 34 | Mast 5000 | 1 | H=5000m |
| | 2550445100 35 | Mast 5500 | 1 | H=5500m |
| | 2550445100 36 | Mast 6000 | 1 | H=6000m |
| 4 | 9402001000 12 | Roller $\Phi 109.7 \times \Phi 40 \times 32$ | 4 | |
| 5 | 9104013000 26 | Circlip GB894.1-55 | 4 | |
| 6 | 9101003000 39 | Bolt GB5783-M10x40-8.8 | 4 | |
| 7 | 9104005000 08 | Washer GB93-12 | 6 | |
| 8 | 9104001000 07 | Washer GB97.1-10-200HV | 8 | |
| 9 | 9402002000 05 | Roller $\Phi 42$ -CD=68 | 8 | |
| 10 | 2550380200 08 | Adjusting pad | 8 | |
| 11 | 2550380200 09 | Adjusting pad | As requir ed | |

| | | | | |
|----------------|------------------|-------------------------------------|---|--|
| 12 | 2550440100 57 | Axle $\phi 30 \times 82$ | 2 | |
| Fig. 44 | | Mast (three stage full free) | | |
| 13 | 9101003000 35 | Bolt GB5783-M10x20-8.8 | 4 | |
| 14 | 2550440100 56 | Axle $\phi 30 \times 72$ | 2 | |
| 15 | 91120010000 4 | Grease nipple JB7940.1- M10x1 | 2 | |
| 16 | 2550440200 06 | Bearing bush | 2 | |
| 17 | 2550440200 05 | Bearing cover | 2 | |
| 18 | 9104005000 10 | Washer GB93-16 | 4 | |
| 19 | 9101002000 16 | Bolt GB5785-M16x1.5x70-8.8 | 4 | |

Mast (three stage full free)

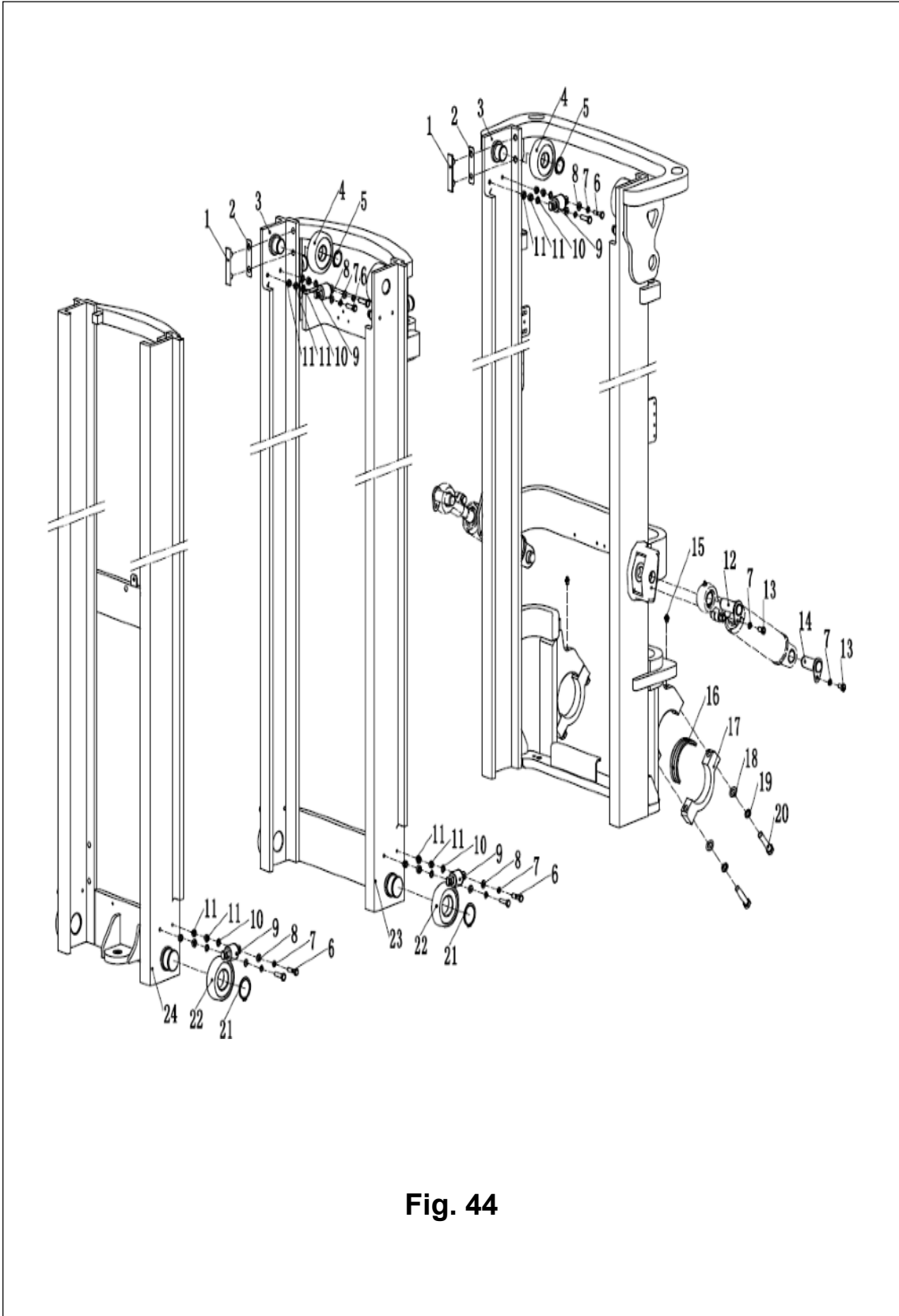


Fig. 44

Fig. 44 Mast (three stage full free)

| No. | Coding | Description | Qty | Note |
|-----|------------------|----------------------------------|-----|---------|
| 20 | 9104001000 10 | Washer GB97.1-16-200HV | 4 | |
| 21 | 9104013000 26 | Circlip GB894.1-55 | 2 | |
| 22 | 9402003000 14 | Roller φ119.2-range=59.5-64.5 | 2 | |
| 23 | 2550445100 23 | Mast 400 | 1 | H=4000m |
| | 2550445100 24 | Mast 4300 | 1 | H=4300m |
| | 2550445100 25 | Mast 4500 | 1 | H=4500m |
| | 2550445100 26 | Mast 4800 | 1 | H=4800m |
| | 2550445100 27 | Mast 5000 | 1 | H=5000m |
| | 2550445100 28 | Mast 5500 | 1 | H=5500m |
| | 2550445100 29 | Mast 6000 | 1 | H=6000m |
| 24 | 2550445100 37 | Mast 4000 | 1 | H=4000m |
| | 2550445100 38 | Mast 4300 | 1 | H=4300m |
| | 2550445100 39 | Mast 4500 | 1 | H=4500m |
| | 2550445100 40 | Mast 4800 | 1 | H=4800m |
| | 2550445100 41 | Mast 5000 | 1 | H=5000m |
| | 2550445100 42 | Mast 5500 | 1 | H=5500m |
| | 2550445100 43 | Mast 6000 | 1 | H=6000m |

Lifting cylinder(standard mast)

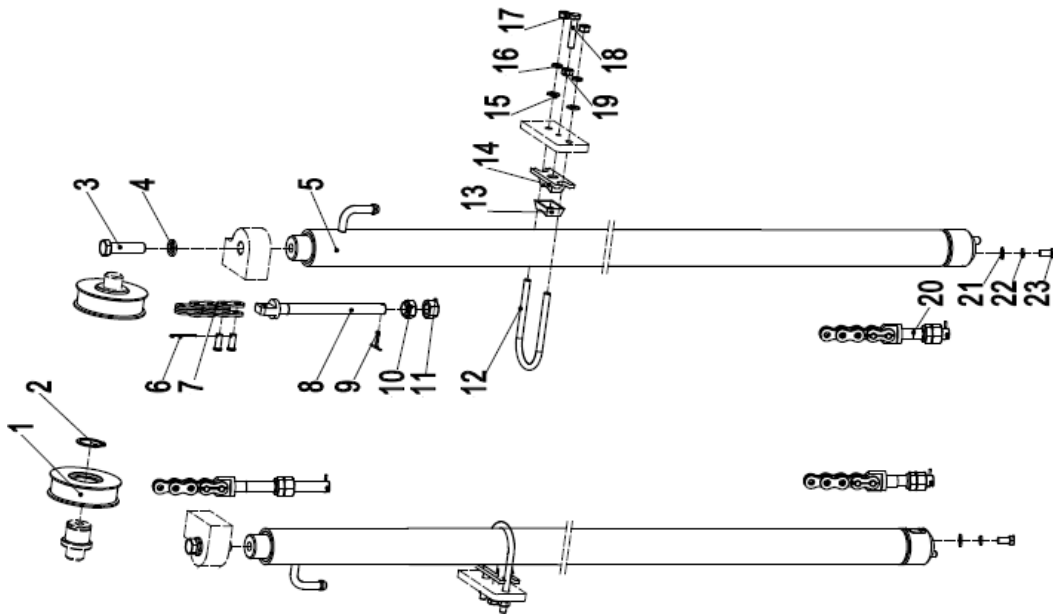
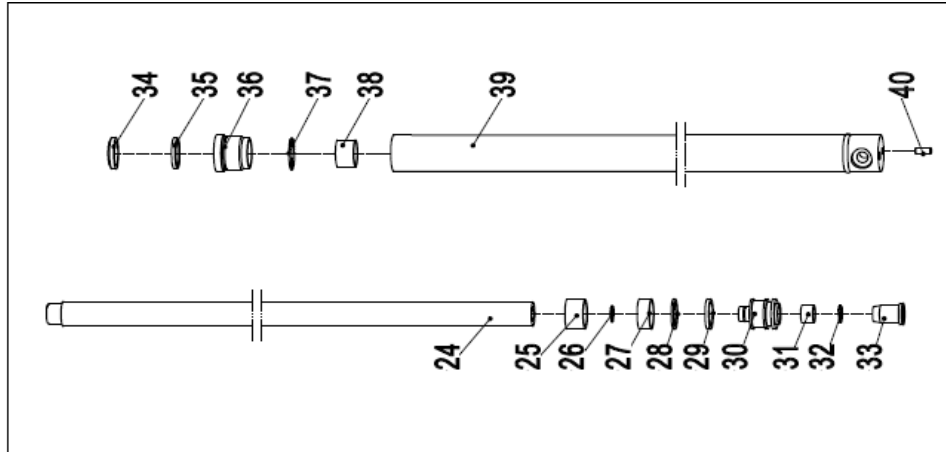


Fig. 45

Fig. 45 Lifting cylinder(standard mast)

| No. | Coding | Descripti | Qty | Not |
|-----|------------------|--|------------------|--------------|
| 1 | 9402005000 05 | Chain wheel bearing780708K-φ110xφ40x27 | 2 | |
| 2 | 9104013000 | Circlip GB894.1-40 | 2 | |
| 3 | 9104005000 | Washer GB93-16 | 4 | |
| 4 | 9101004000 | Bolt GB5786-M16x1.5x40-8.8 | 2 | |
| 5 | 2550440100 | Cylinder Φ56xΦ45x995(H=2000) | 2 | Inc. 24-41 |
| | 2550440100 | Cylinder Φ56xΦ45x1045(H=2500) | 2 | |
| | 2550440100 | Cylinder Φ56xΦ45x1105(H=3000) | 2 | |
| | 2550440100 | Cylinder Φ56xΦ45x1165(H=3500) | 2 | |
| | 2550440100 | Cylinder Φ56xΦ45x1225(H=4000) | 2 | |
| | 2550440100 | Cylinder Φ56xΦ45x1285(H=4500) | 2 | |
| | 2550440100 | Cylinder Φ56xΦ45x1345(H=5000) | 2 | |
| | 255044010049 | Cylinder Φ56xΦ45x2045(H=4000) | 2 | |
| | 2550440100 | Cylinder Φ56xΦ45x2105(H=4500) | 2 | |
| | 2550440100 | Cylinder Φ56xΦ45x2165(H=5000) | 2 | |
| | 2550440100 | Cylinder Φ56xΦ45x2225(H=5500) | 2 | |
| | 2550440100 | Cylinder Φ56xΦ45x2285(H=6000) | 2 | |
| | 6 | | Split pin 2.5x40 | |
| 7 | | LH1623 chain | 2 | Belong to A▲ |
| 8 | | Joint | 2 | Belong to A▲ |
| 9 | | Split pin 3.2x30 | 2 | Belong to A▲ |
| 10 | | Nut M18x1.5 | 2 | Belong to A▲ |
| 11 | | Nut M18x1.5 | 2 | Belong to A▲ |
| 12 | 2550440201 | Fixing ring | 2 | |
| 13 | 2550440201 | Rubber bushing | 2 | |
| 14 | 2550440201 | Fixing seat | 2 | |
| 15 | 9104001000 | Washer GB97.1-16-200HV | 4 | |
| 16 | 9104005000 | Washer GB93-10 | 4 | |

Note: Spare parts will not be provided seperately

Lifting cylinder (standard mast)

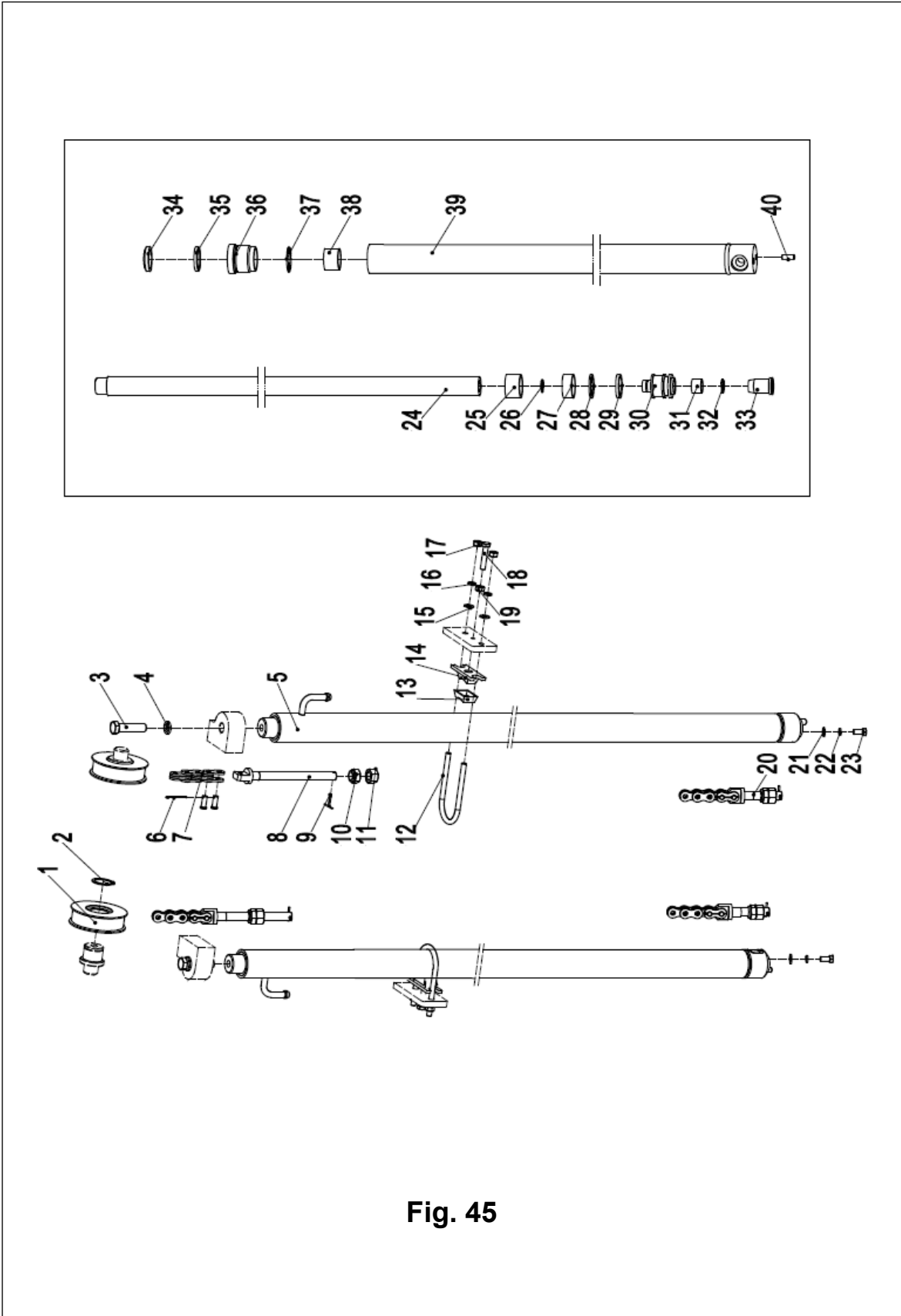


Fig. 45

Fig. 45 Lifting cylinder Lifting cylinder (standard mast)

| No. | Coding | Description | Qty | Note |
|-----|------------------|---|-----|-------------------------------|
| 17 | 9103002000 02 | Nut GB6171-M10x1.25-10 | 4 | |
| 18 | 9101003000 41 | Bolt GB5783-M10x50-8.8 | 2 | |
| 19 | 9103001000 07 | Nut GB6170-M10-10 | 2 | |
| 20 | | Joint | 2 | Belong to A▲ |
| 21 | 9104001000 08 | Washer GB97.1-12-200HV | 2 | |
| 22 | 9104005000 08 | Washer GB93-12 | 2 | |
| 23 | 9101004000 09 | Bolt GB5786-M12x1.25x25-8.8 | 2 | |
| 24 | | Piston rod | 1 | ▲ |
| 25 | | Adjusting bushing 40.5x49xL2 | 1 | ▲ |
| 26 | | Circlip | 1 | ▲ |
| 27 | | Bearing 50x20x2.5 | 1 | ▲ |
| 28 | | Catch 50x40x3 | 1 | ▲ |
| 29 | | Seal ring 50x40x6 | 1 | ▲ |
| 30 | | Piston rod | 1 | ▲ |
| 31 | | Copper bushing | 1 | ▲ |
| 32 | | Circlip | 1 | ▲ |
| 33 | | Buffering ring | 1 | ▲ |
| 34 | | Dust ringDKB40x52x7/10 | 1 | ▲ |
| 35 | | Seal ring 40x50x6 | 1 | ▲ |
| 36 | | Guide sleeve | 1 | ▲ |
| 37 | | O ring 49.7x2.4 | 1 | ▲ |
| 38 | | Bearing 4030 | 1 | ▲ |
| 39 | | Cylinder | 1 | ▲ |
| 40 | | Dowel pin | 1 | ▲ |
| 41 | 2550985100 01 | Seal kits(standard mast lifting cylinder) | 2 | Include 27.29.34.35. 37 |

Fig. 45 Lifting cylinder Lifting cylinder (standard mast)

Note: Spare parts will not be provided separately

Lifting cylinder (standard mast)

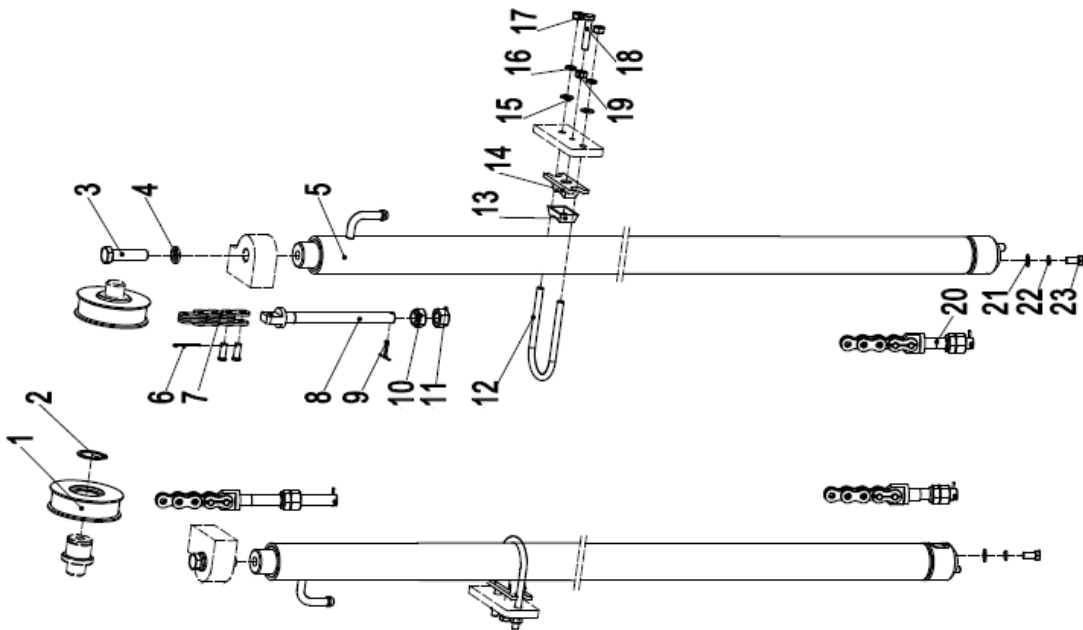
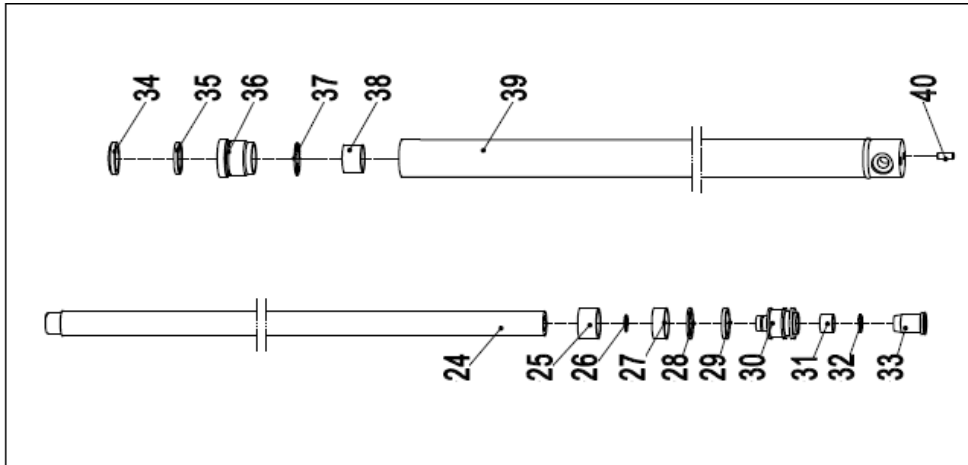


Fig. 45

Fig. 45 Lifting cylinder (standard mast)

| No. | Coding | Description | Qty | Note |
|-----|------------------|--------------------------|-----|--------|
| A | 2550440101 01 | Lifting chain LH1623-77 | 2 | H=3000 |
| | 2550440100 59 | Lifting chain LH1623-57 | 2 | H=2000 |
| | 2550440101 03 | Lifting chain LH1623-67 | 2 | H=2500 |
| | 2550440101 04 | Lifting chain LH1623-83 | 2 | H=3300 |
| | 2550440101 05 | Lifting chain LH1623-87 | 2 | H=3500 |
| | 2550440101 06 | Lifting chain LH1623-89 | 2 | H=3600 |
| | 2550440101 07 | Lifting chain LH1623-91 | 2 | H=3700 |
| | 2550440101 08 | Lifting chain LH1623-99 | 2 | H=4000 |
| | 2550440100 67 | Lifting chain LH1623-105 | 2 | H=4300 |
| | 2550440100 68 | Lifting chain LH1623-109 | 2 | H=4500 |
| | 2550440101 00 | Lifting chain LH1623-121 | 2 | H=5000 |
| | 2550440100 69 | Lifting chain LH1623-131 | 2 | H=5500 |
| | 2550440100 70 | Lifting chain LH1623-141 | 2 | H=6000 |

Fig. 45 Lifting cylinder (standard mast)

Note: Spare parts will not be provided separately

Short lifting cylinder (two stage full free)

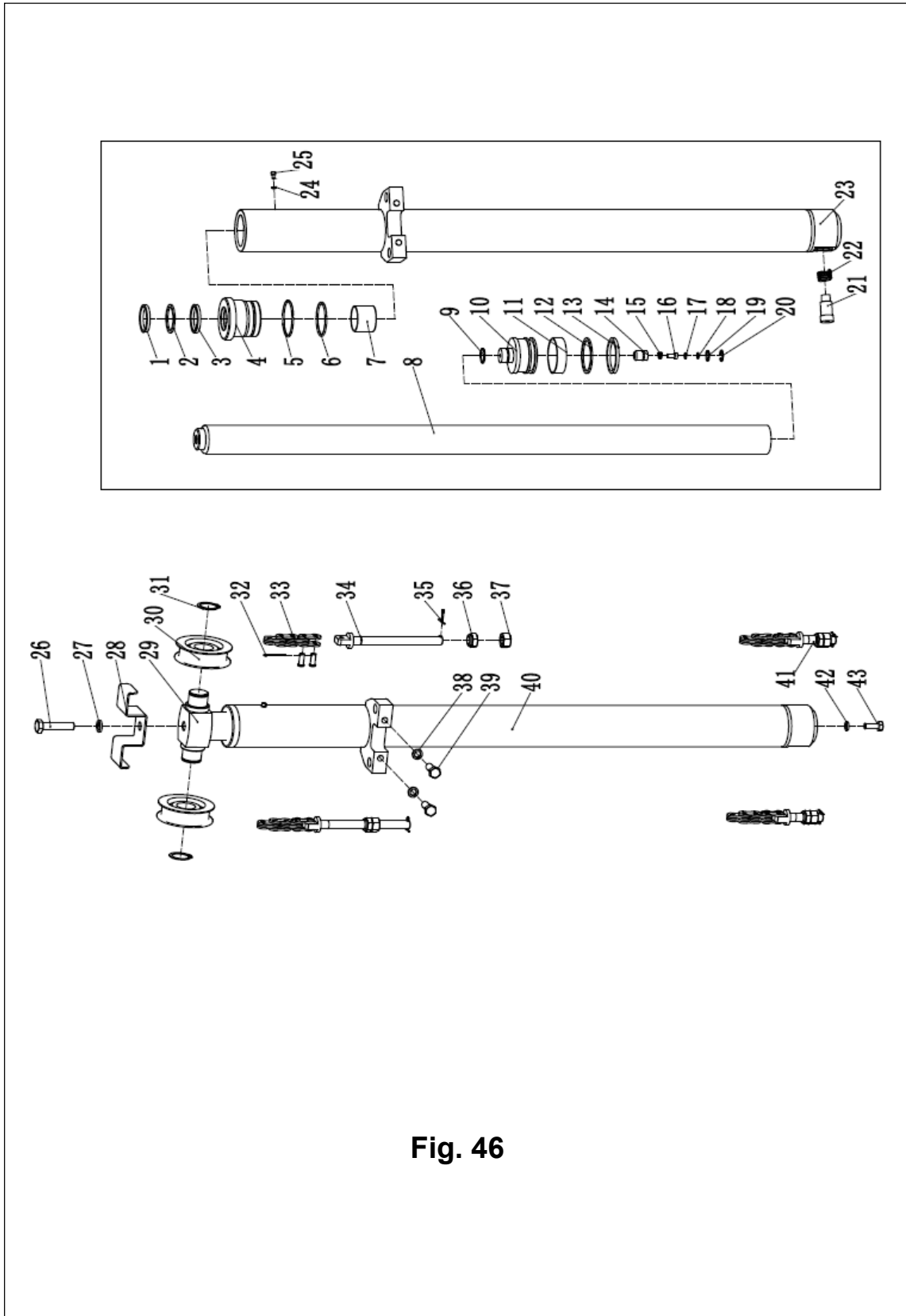


Fig. 46

Fig. 46 Short lifting cylinder (two stage full free)

| No. | Coding | Description | Qty | Note |
|------------------|--------------------------|-------------------------|--------|--------|
| A | 2550435100 79 | Lifting chain LH1623-37 | 2 | H=2000 |
| | 2550435100 80 | Lifting chain LH1623-47 | 2 | H=2500 |
| | 2550440100 59 | Lifting chain LH1623-55 | 2 | H=3000 |
| | 2550445101 34 | Lifting chain LH1623-61 | 2 | H=3300 |
| | 2550440101 03 | Lifting chain LH1623-65 | 2 | H=3500 |
| | 255044510135 | Lifting chain LH1623-59 | 2 | H=3600 |
| | | | | H=3700 |
| | 2550445100 46 | Lifting chain LH1623-67 | 2 | H=4000 |
| | 2550445100 47 | Lifting chain LH1623-73 | 2 | H=4300 |
| | 2550435101 39 | Lifting chain LH1623-77 | 2 | H=4500 |
| | 2550440101 06 | Lifting chain LH1623-87 | 2 | H=5000 |
| | 2550435101 07 | Lifting chain LH1623-99 | 2 | H=5500 |
| 2550435101 06 | Lifting chain LH1623-109 | 2 | H=6000 | |
| 1 | | Dust ring 60x74x8/11 | 1 | ▲ |
| 2 | | Catch 60×70×3 | 1 | ▲ |
| 3 | | Seal ring 60×70×6 | 1 | ▲ |
| 4 | | Guide sleeve | 1 | ▲ |
| 5 | | O ring 84.4x3.1 | 1 | ▲ |
| 6 | | O ring 77.5×3.55 | 1 | ▲ |
| 7 | | Bearing 6035 | 1 | ▲ |
| 8 | | Piston rod | 1 | ▲ |
| 9 | | Circlip | 1 | ▲ |
| 10 | | Piston assembly | 1 | ▲ |

| | | | | |
|----|---|-------------------------|---|---|
| 11 | Fig. 46 Short lifting cylinder (two stage full free) | Back up ring D85x20x2.5 | 1 | ▲ |
| 12 | | Circlip 85x70x3 | 1 | ▲ |
| 13 | | Seal ring 85x70x9 | 1 | ▲ |
| 14 | | Valve bushing | 1 | ▲ |
| 15 | | Spring | 1 | ▲ |
| 16 | | Valve plug | 1 | ▲ |
| 17 | | Catch | 1 | ▲ |
| 18 | | O ring D15.8x2.4 | 1 | ▲ |
| 19 | | Circlip ϕ 12 | 1 | ▲ |
| 20 | | Circlip ϕ 22 | 1 | ▲ |
| 21 | | Slide valve | 1 | ▲ |
| 22 | | Spring | 1 | ▲ |

Note: Spare parts will not be provided seperately

Short lifting cylinder (two stage full free)

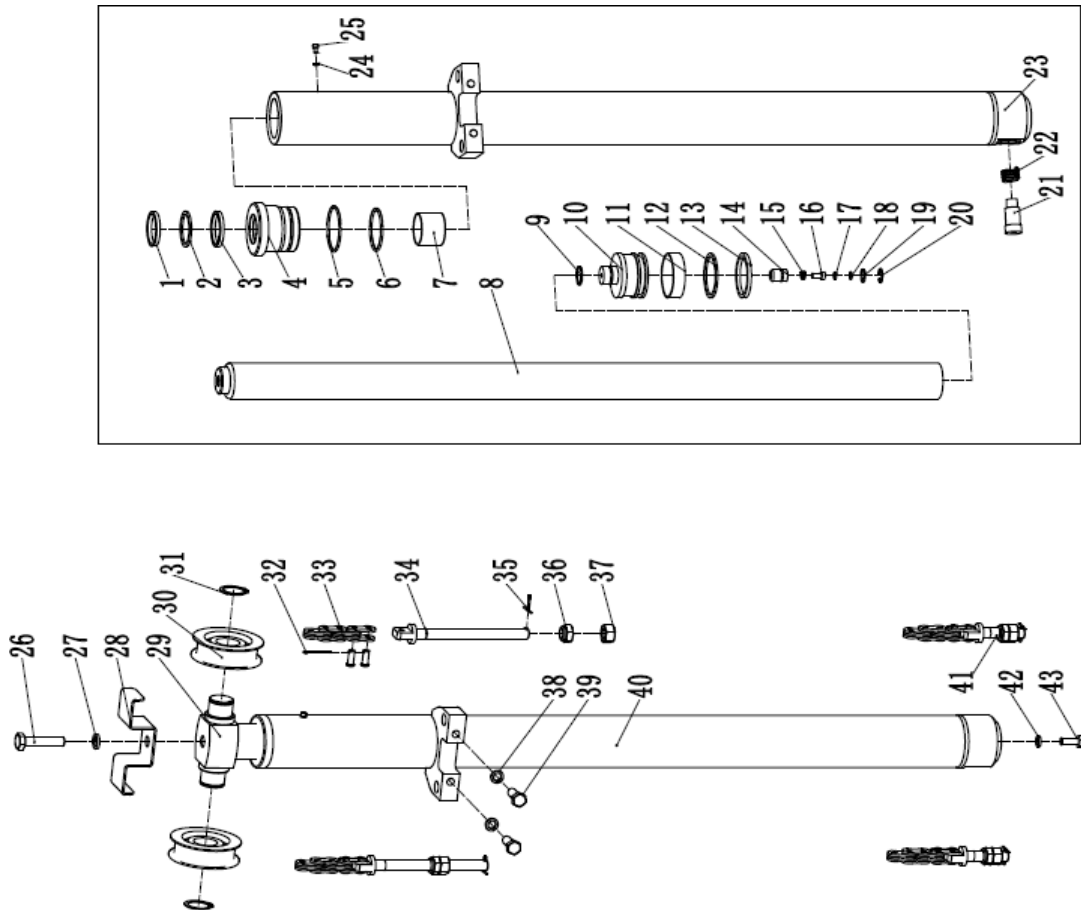


Fig. 46

Fig. 46 Short lifting cylinder (two stage full free)

| No. | Coding | Description | Qty | Note |
|-----|--------------|--|-----|------------------|
| 23 | | Cylinder | 1 | ▲ |
| 24 | | Spacer | 1 | ▲ |
| 25 | | Screw M5x5 | 1 | ▲ |
| 26 | 910200200123 | Screw GB70.1-M16x50-8.8 | 1 | |
| 27 | 910400500010 | Washer GB93-16 | 1 | |
| 28 | 255043520020 | Chain plate | 1 | |
| 29 | 255043520006 | Cylinder head | 1 | |
| 30 | 940200500005 | Chain wheel bearing 780708K-φ110xφ40x27 | 1 | |
| 31 | 910401300020 | Circlip GB894.1-40 | 1 | |
| 32 | | Split pin 2.5x40 | 2 | Belong to A ▲ |
| 33 | | LH1623 chain | 2 | Belong to A ▲ |
| 34 | | Joint | 2 | Belong to A ▲ |
| 35 | | Split pin 3.2x30 | 2 | Belong to A ▲ |
| 36 | | Nut M18x1.5 | 2 | Belong to A ▲ |
| 37 | | Nut M18x1.5 | 2 | Belong to A ▲ |
| 38 | 910400500009 | Washer GB93-14 | 2 | |
| 39 | 910100400022 | Bolt GB5786-M14x1.5x40-8.8 | 2 | |
| | 255043510068 | Cylinder (M)φ85xφ60x772(H=3000) | 1 | Includi |
| | 255043510066 | Cylinder (M)φ85xφ60x522(H=2000) | 1 | |
| | 255043510067 | Cylinder (M)φ85xφ60x647(H=2500) | 1 | |

| | | | | |
|----------------------|------------------|----------------------------------|---|-------------|
| 40 Fig. 46 | 2550435100 69 | Cylinder (M)Φ85xΦ60x847(H=3300) | 1 | No.1-2 5 |
| | 2550435100 70 | Cylinder (M)Φ85xΦ60x897(H=3500) | 1 | |
| | 2550435100 71 | Cylinder (M)Φ85xΦ60x922(H=3600) | 1 | |
| | 2550435100 72 | Cylinder (M)Φ85xΦ60x947(H=3700) | 1 | |
| | 2550435100 73 | Cylinder (M)Φ85xΦ60x1047(H=4000) | 1 | |
| | 2550435100 74 | Cylinder (M)Φ85xΦ60x1122(H=4300) | 1 | |
| | 2550435100 75 | Cylinder (M)Φ85xΦ60x1172(H=4500) | 1 | |

Note: Spare parts will not be provided separately

Short lifting cylinder (two stage full free)

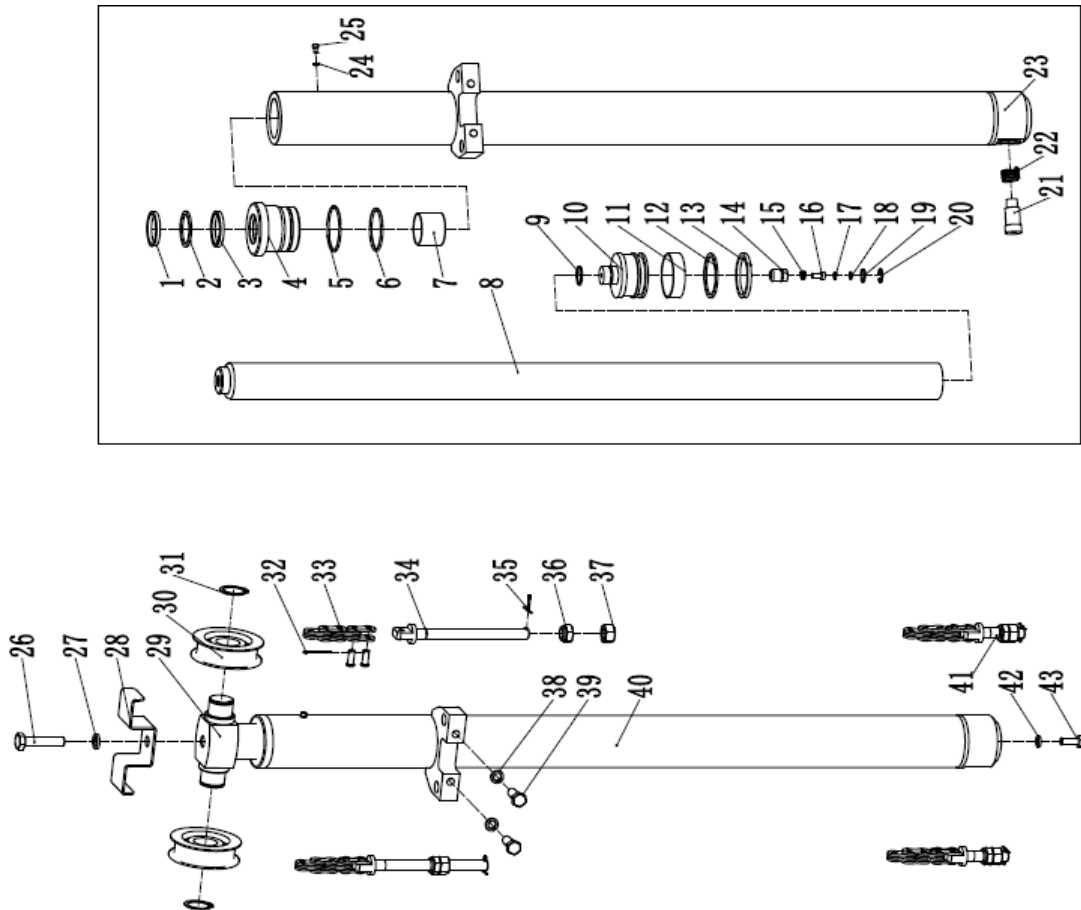


Fig. 46

Fig. 46 Short lifting cylinder (two stage full free)

| No. | Coding | Description | Qty | Note |
|-----|------------------|---|-----|-------------------|
| 40 | 2550435100 76 | Cylinder (M)Φ85xΦ60x1297(H=5000) | 1 | Inc.1-25 |
| | 2550435100 77 | Cylinder (M)Φ85xΦ60x1447(H=5500) | 1 | |
| | 2550435100 78 | Cylinder (M)Φ85xΦ60x1572(H=6000) | 1 | |
| B | 2550985100 04 | Seal kits (two stage full free middle cylinder) | 1 | Inc.1.3.5.6.13.18 |
| 41 | | Joint | 2 | Belong to A ▲ |
| 42 | 9104005000 08 | SpringWasherGB93-12 | 1 | |
| 43 | 9101004000 09 | BoltGB5786-M12x1.25x25-8.8 | 1 | |

Note: Spare parts will not be provided separately

Fig. 46 Short lifting cylinder (two stage full free)

Lifting cylinder(two stage full free)

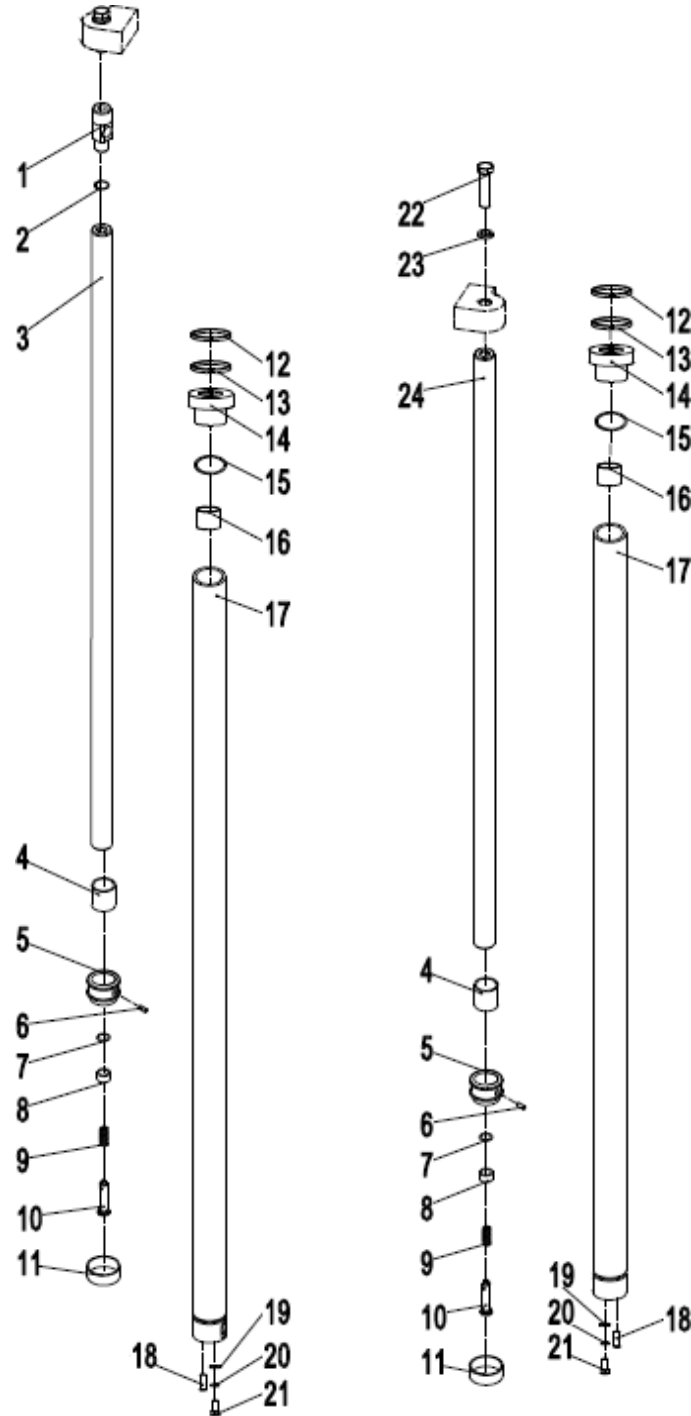


Fig. 47

Fig. 47 Lifting cylinder(two stage full free)

| No. | Coding | Description | Qty | Note |
|-----|--------------|----------------------------------|-----|--------------|
| A | 255043510040 | Cylinder (L)Φ50xΦ40x940(H=2000) | 1 | Inc.1-21 |
| | 255043510041 | Cylinder (L)Φ50xΦ40x1190(H=2500) | | |
| | 255043510042 | Cylinder (L)Φ50xΦ40x1440(H=3000) | | |
| | 255043510043 | Cylinder (L)Φ50xΦ40x1590(H=3300) | | |
| | 255043510044 | Cylinder (L)Φ50xΦ40x1690(H=3500) | | |
| | 255043510045 | Cylinder (L)Φ50xΦ40x1740(H=3600) | | |
| | 255043510046 | Cylinder (L)Φ50xΦ40x1790(H=3700) | | |
| | 255043510047 | Cylinder (L)Φ50xΦ40x1890(H=4000) | | |
| | 255043510048 | Cylinder (L)Φ50xΦ40x2040(H=4300) | | |
| | 255043510049 | Cylinder (L)Φ50xΦ40x2140(H=4500) | | |
| | 255043510050 | Cylinder (L)Φ50xΦ40x2390(H=5000) | | |
| | 255043510051 | Cylinder (L)Φ50xΦ40x2590(H=5500) | | |
| | 255043510052 | Cylinder (L)Φ50xΦ40x2840(H=6000) | | |
| B | 255043510053 | Cylinder (R)Φ50xΦ40x940(H=2000) | 1 | Inc. 4-21.24 |
| | 255043510054 | Cylinder (R)Φ50xΦ40x1190(H=2500) | | |
| | 255043510055 | Cylinder (R)Φ50xΦ40x1440(H=3000) | | |
| | 255043510056 | Cylinder (R)Φ50xΦ40x1590(H=3300) | | |
| | 255043510057 | Cylinder (R)Φ50xΦ40x1690(H=3500) | | |
| | 255043510058 | Cylinder (R)Φ50xΦ40x1740(H=3600) | | |

| | | | | |
|----------------|------------------|----------------------------------|---|---|
| Fig. 47 | 2550435100 59 | Cylinder (R)Φ50xΦ40x1790(H=3700) | | |
| | 2550435100 60 | Cylinder (R)Φ50xΦ40x1890(H=4000) | | |
| | 2550435100 61 | Cylinder (R)Φ50xΦ40x2040(H=4300) | | |
| | 2550435100 62 | Cylinder (R)Φ50xΦ40x2140(H=4500) | | |
| | 2550435100 63 | Cylinder (R)Φ50xΦ40x2390(H=5000) | | |
| | 2550435100 64 | Cylinder (R)Φ50xΦ40x2590(H=5500) | | |
| | 2550435100 65 | Cylinder (R)Φ50xΦ40x2840(H=6000) | | |
| 1 | | Connecting rod | 1 | ▲ |
| 2 | | O ring 26x2.4 | 1 | ▲ |
| 3 | | Piston rod assembly | 1 | ▲ |
| 4 | | Adjusting bushing | 2 | ▲ |
| 5 | | Piston | 2 | ▲ |

Note: Spare parts will not be provided seperately

Lifting cylinder(two stage full free)

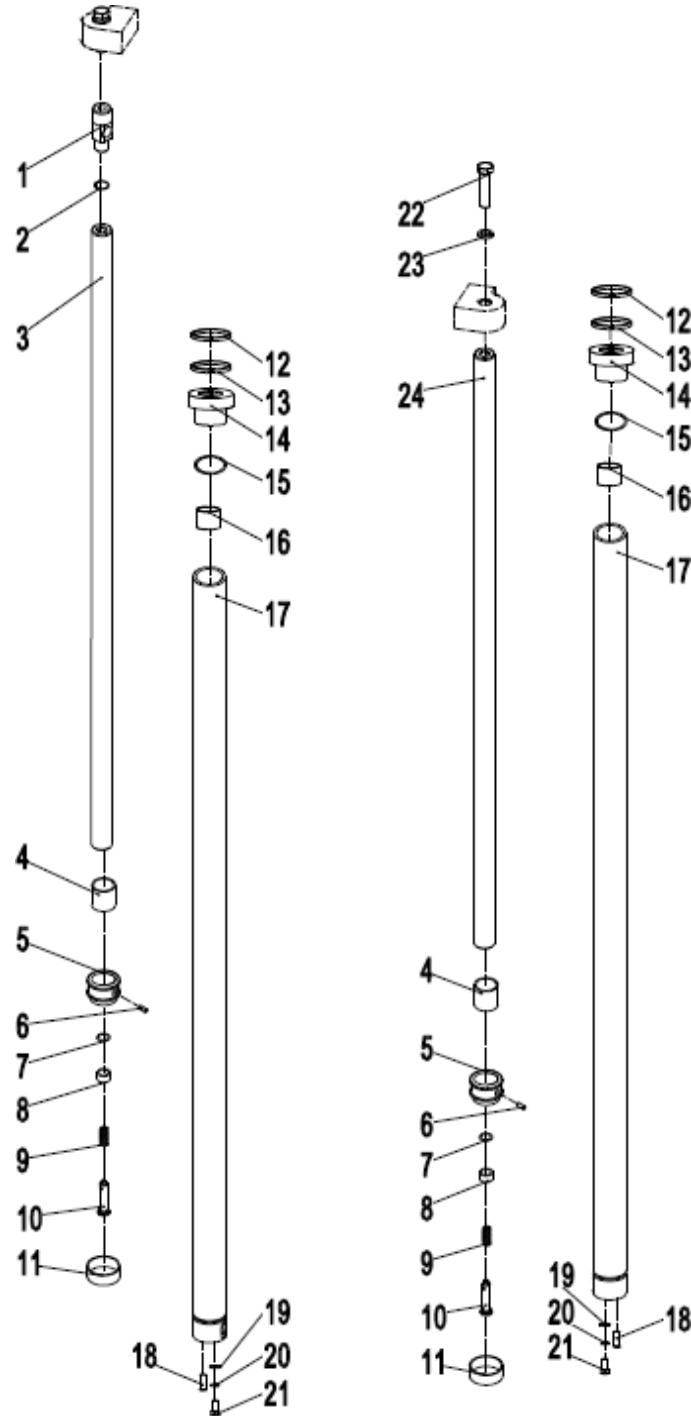


Fig. 47

Fig. 47 Lifting cylinder(two stage full free)

| No. | Coding | Description | Qty | Note |
|-----|------------------|---|-----|------------------------|
| 6 | | ScrewM4x6 | 2 | ▲ |
| 7 | | Circlip φ18 | 2 | ▲ |
| 8 | | Copper bushing | 2 | ▲ |
| 9 | | Spring | 2 | ▲ |
| 10 | | Buffer plunger | 2 | ▲ |
| 11 | | Supporting ring 50x45x15 | 2 | ▲ |
| 12 | | Dust ring DKB40x52x7/10 | 2 | ▲ |
| 13 | | Seal ring 40x50x6 | 2 | ▲ |
| 14 | | Guide bushing | 2 | ▲ |
| 15 | | O ring 49.7x2.4 | 2 | ▲ |
| 16 | | Bearing 4030 | 2 | ▲ |
| 17 | | Cylinder | 2 | ▲ |
| 18 | | Dowel pin10x26 | 2 | ▲ |
| 19 | 9104001000 08 | Washer GB97.1-12-200HV | 2 | |
| 20 | 9104005000 08 | Washer GB93-12 | 2 | |
| 21 | 9101004000 09 | Bolt GB5786-M12x1.25x25-8.8 | 2 | |
| 22 | 9101004000 29 | Bolt GB5786- M16x1.5x40-8.8 | 2 | |
| 23 | 9104005000 10 | Washer GB93-16 | 2 | |
| 24 | | Plunger rod assembly | 1 | ▲ |
| 25 | 2550985100 02 | Seal kits (two stage full free lifting cylinder) | 2 | Inc. 2.12.13. 15 |

Fig. 47 Lifting cylinder(two stage full free)

Note: Spare parts will not be provided seperately

Short lifting cylinder (three stage full free)

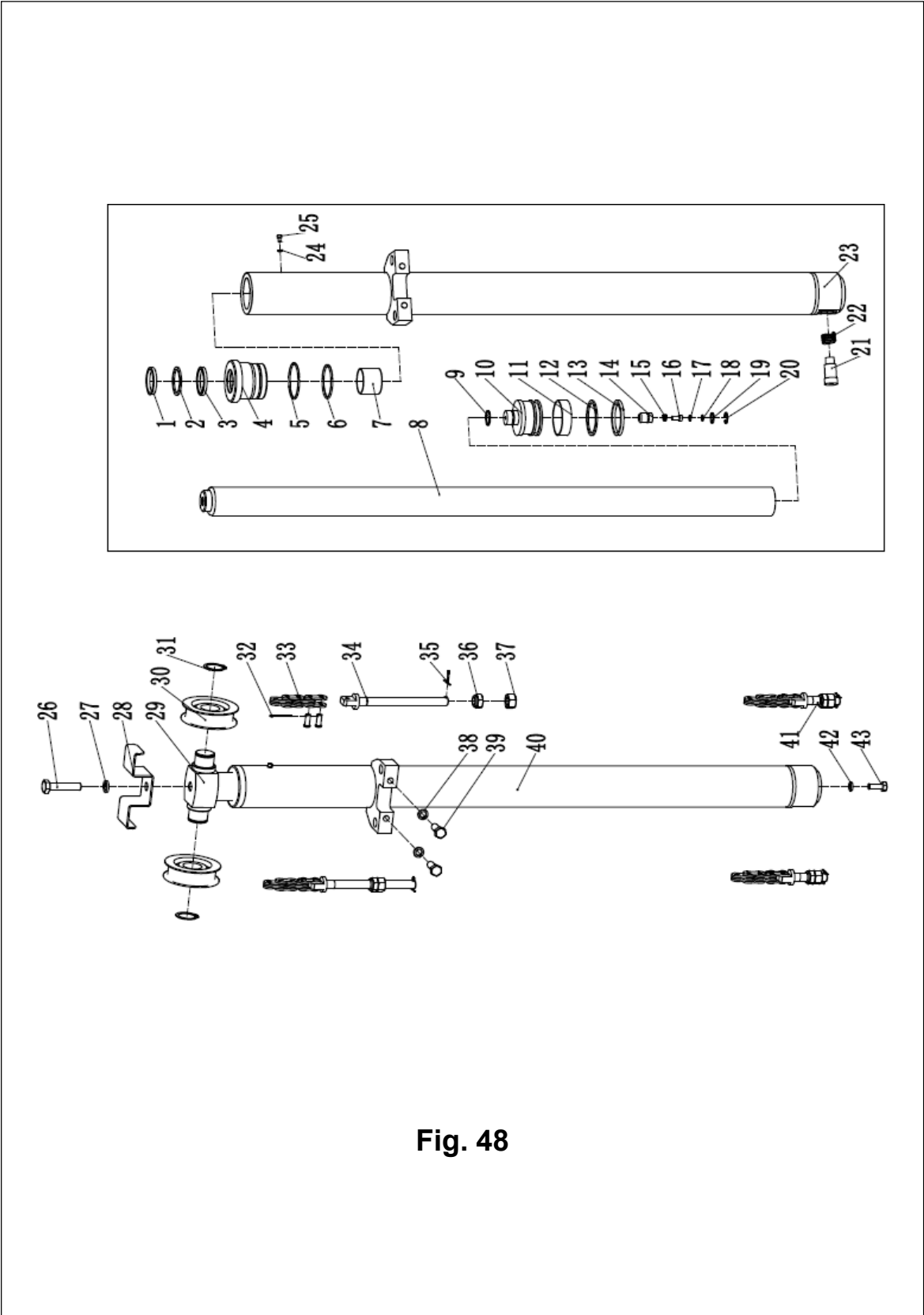


Fig. 48

Fig. 48 Short lifting cylinder (three stage full free)

| No. | Coding | Description | Qty | Note |
|----------|--------------|-------------------------|-----|------------|
| A | 255044510044 | Lifting chain LH1623-47 | 2 | H=40 00 |
| | 255044510045 | Lifting chain LH1623-53 | 2 | H=43 00 |
| | 255044010060 | Lifting chain LH1623-55 | 2 | H=45 00 |
| | 255044510133 | Lifting chain LH1623-59 | 2 | H=48 00 |
| | 255044510134 | Lifting chain LH1623-63 | 2 | H=50 00 |
| | 255044510135 | Lifting chain LH1623-61 | 2 | H=55 00 |
| | 255044510136 | Lifting chain LH1623-71 | 2 | H=60 00 |
| 1 | | Dust ring 50x58x6.5 | 1 | ▲ |
| 2 | | Catch 50×60×3 | 1 | ▲ |
| 3 | | Seal ring 50×60×6 | 1 | ▲ |
| 4 | | Glide sleeve | 1 | ▲ |
| 5 | | O ring 74.4x3.1 | 1 | ▲ |
| 6 | | O ring 69×3.55 | 1 | ▲ |
| 7 | | Bearing5040 | 1 | ▲ |
| 8 | | Piston rod | 1 | ▲ |
| 9 | | Circlip | 1 | ▲ |
| 10 | | Piston assembly | 1 | ▲ |
| 11 | | Support ring 75x20x2.5 | 1 | ▲ |
| 12 | | Support ring 75x65x3 | 1 | ▲ |
| 13 | | Seal ring 75x65x6 | 1 | ▲ |
| 14 | | Valve cover | 1 | ▲ |
| 15 | | Spring | 1 | ▲ |
| 16 | | Valve plug | 1 | ▲ |
| 17 | | Catch | 1 | ▲ |
| 18 | | O ring D20x2.4 | 1 | ▲ |
| 19 | | Circlip 12 | 1 | ▲ |
| 20 | | Circlip 22 | 1 | ▲ |

| | | | | |
|---|--------------|-------------------------|---|---|
| 21 | | Slide valve | 1 | ▲ |
| Fig. 48 Short lifting cylinder (three stage full free) | | | | |
| 22 | | Spring 2.3x15x48.5 | 1 | ▲ |
| 23 | | Cylinder | 1 | ▲ |
| 24 | | Spacer | 1 | ▲ |
| 25 | | Screw M5x5 | 1 | ▲ |
| 26 | 910200200123 | Screw GB70.1-M16x50-8.8 | 1 | |

Note: Spare parts will not be provided separately

Short lifting cylinder (three stage full free)

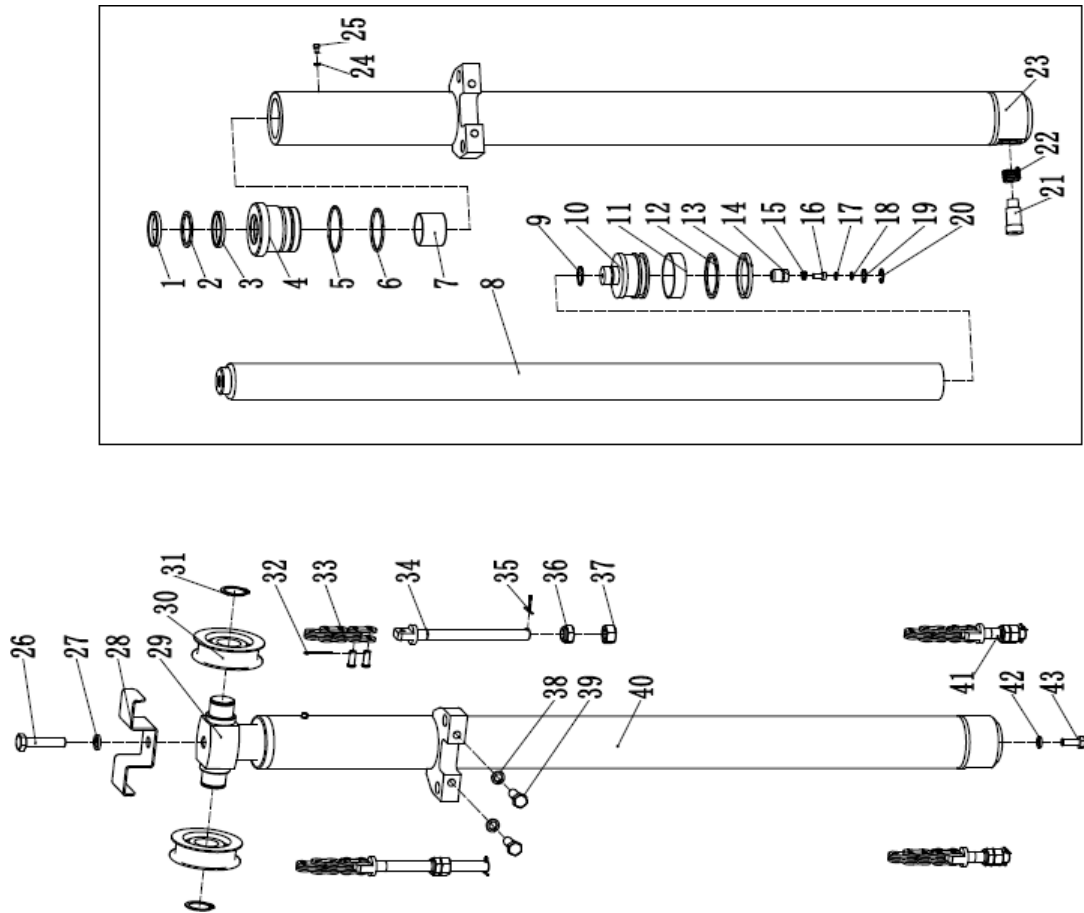


Fig. 48

Fig. 48 Short lifting cylinder (three stage full free)

| No. | Coding | Description | Qty | Note |
|-----|------------------|--|-----|------------------|
| 27 | 9104005000 10 | SpringWasherGB93-16 | 1 | |
| 28 | 25504352002 0 | Block chain plate | 1 | |
| 29 | 2550435200 06 | Cylinder head | 1 | |
| 30 | 94020050000 5 | Chain wheel bearing 780708K-φ110xφ40x27 | 2 | |
| 31 | 91040130002 0 | Circlip GB894.1-40 | 2 | |
| 32 | | split pin2.5x40 | 2 | Belong to A ▲ |
| 33 | | LH1623 chain | 2 | Belong to A ▲ |
| 34 | | Joint | 2 | Belong to A ▲ |
| 35 | | Split pin 3.2x30 | 2 | Belong to A ▲ |
| 36 | | Nut M18x1.5 | 2 | Belong to A ▲ |
| 37 | | Nut M18x1.5 | 2 | Belong to A ▲ |
| 38 | 91040050000 9 | Washer GB93-14 | 2 | |
| 39 | 91010040002 2 | Bolt GB5786-M14x1.5x40-8.8 | 2 | |
| 40 | 2550445100 50 | Cylinder (M)Φ75xΦ50x685(H=4000) | 1 | Inc. 1-25 |
| | 25504451005 1 | Cylinder (M)Φ75xΦ50x748(H=4300) | 1 | |
| | 25504451005 2 | Cylinder (M)Φ75xΦ50x772(H=4500) | 1 | |
| | 25504451005 3 | Cylinder (M)Φ75xΦ50x822(H=4800) | 1 | |
| | 25504451005 4 | Cylinder (M)Φ75xΦ50x879(H=5000) | 1 | |
| | 25504451005 5 | Cylinder (M)Φ75xΦ50x995(H=5500) | 1 | |

| Fig. 48 Short lifting cylinder (three stage full free) | | | | |
|---|------------------|--|---|---------------------------|
| | 25504451005 | Cylinder (M12x1.25x25-8.8) | 1 | |
| 41 | | Joint | 2 | Belong to A ▲ |
| 42 | 9104005000 08 | SpringWasherGB93-12 | 1 | |
| 43 | 91010040000 9 | BoltGB5786-M12x1.25x25-8.8 | 1 | |
| 44 | 25509851000 5 | Seal kits (three stage full free lifting cylinder) | 1 | Inc.1.3.5.6.1 3. 18 |

Note: Spare parts will not be provided separately

Lifting cylinder(three stage full free)

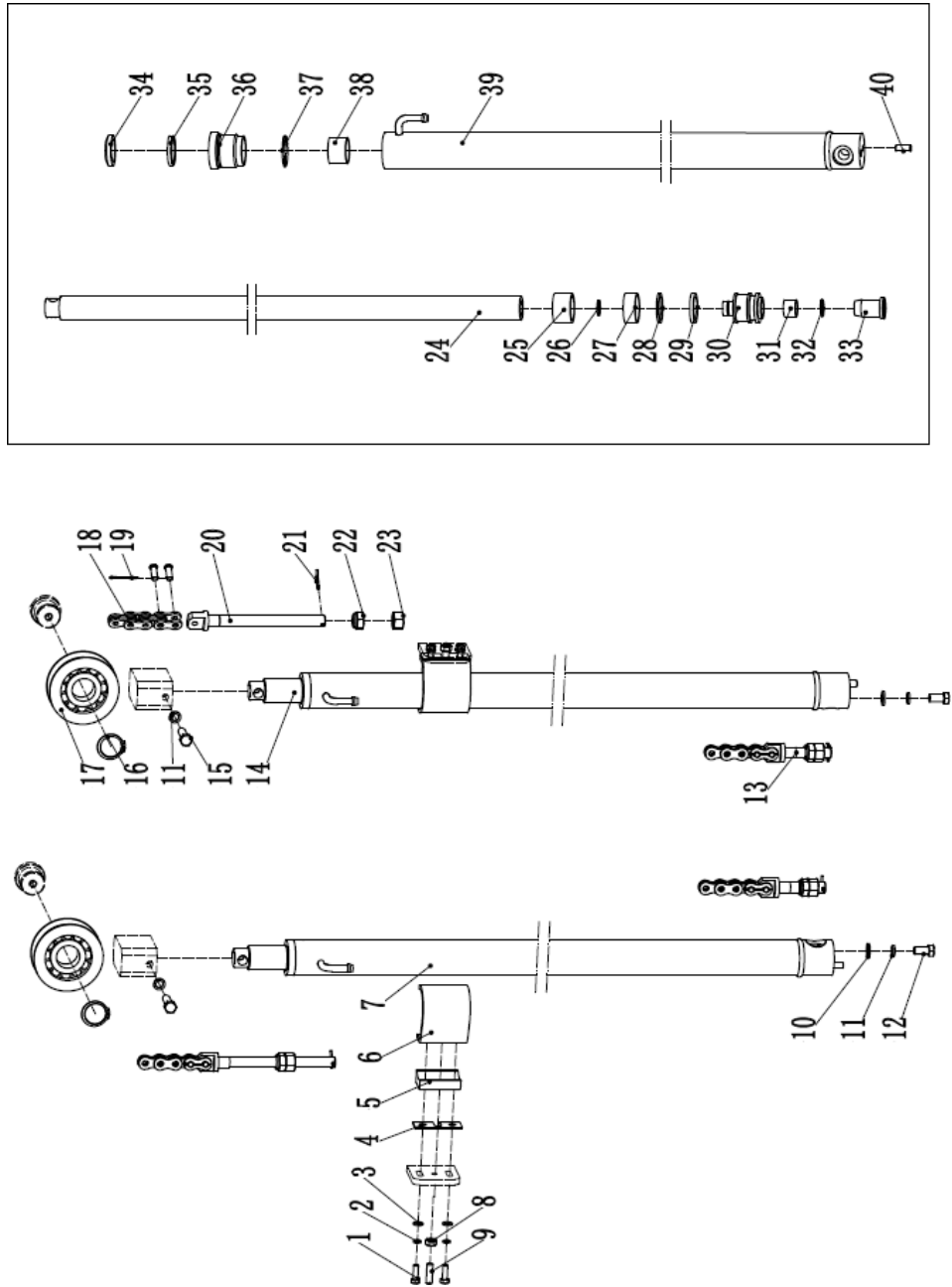


Fig. 49

Fig. 49 Lifting cylinder(three stage full free)

| No. | Coding | Description | Qty | Note |
|-----|------------------|----------------------------------|-----|------------------|
| 1 | 91010030002 3 | Bolt GB5783-M8x25-8.8 | 4 | |
| 2 | 9104005000 07 | Washer GB93-10 | 4 | |
| 3 | 91040010000 7 | Washer GB97.1-10-200HV | 4 | |
| 4 | 25504452009 9 | Rubber pad | 2 | |
| 5 | 2550445200 97 | Support block | 2 | |
| 6 | 2550445200 98 | Blendboard | 2 | |
| 7 | 25504351000 4 | Cylinder (L)Φ50xΦ40x1312(H=4000) | 1 | Inc. 24-40 |
| | 25504351000 5 | Cylinder (L)Φ50xΦ40x1424(H=4300) | 1 | |
| | 25504351000 6 | Cylinder (L)Φ50xΦ40x1474(H=4500) | 1 | |
| | 25504351000 7 | Cylinder (L)Φ50xΦ40x1574(H=4800) | 1 | |
| | 25504351000 8 | Cylinder (L)Φ50xΦ40x1617(H=5000) | 1 | |
| | 25504351000 9 | Cylinder (L)Φ50xΦ40x1751(H=5500) | 1 | |
| | 25504351001 0 | Cylinder (L)Φ50xΦ40x1884(H=6000) | 1 | |
| 8 | 91030010000 7 | Screw M10x35-8.8 | 2 | |
| 9 | 94110010000 3 | Nut GB6170-M10-10 | 2 | |
| 10 | 9104001000 08 | Washer GB97.1-12-200HV | 2 | |
| 11 | 9104005000 08 | Washer GB93-12 | 4 | |
| 12 | 91010040000 9 | Bolt GB5786-M12x1.25x25-8.8 | 2 | |
| 13 | | Joint | 2 | Belong to A ▲ |

| | | | | |
|----------------------|------------------|---|---|------------|
| Fig. 49 14 | 25504351001 1 | CyRinder (R)Φ50xΦ40x1312(H=4000) | 1 | Inc. 24-40 |
| | 2550435100 12 | CyRinder (R)Φ50xΦ40x1424(H=4300) | 1 | |
| | 2550435100 13 | CyRinder (R)Φ50xΦ40x1474(H=4500) | 1 | |
| | 2550435100 14 | CyRinder (R)Φ50xΦ40x1574(H=4800) | 1 | |
| | 2550435100 15 | CyRinder (R)Φ50xΦ40x1617(H=5000) | 1 | |
| | 2550435100 16 | CyRinder (R)Φ50xΦ40x1751(H=5500) | 1 | |
| | 2550435100 17 | CyRinder (R)Φ50xΦ40x1884(H=6000) | 1 | |
| 15 | 91010030005 3 | Bolt GB5783-M12x45-8.8 | 2 | |
| 16 | 91040130002 0 | Circlip GB894.1-40 | 2 | |
| 17 | 94020050000 5 | Chain wheel bearing 780708K-φ110xφ40x27 | 2 | |

Note: Spare parts will not be provided separately

Lifting cylinder (three stage full free)

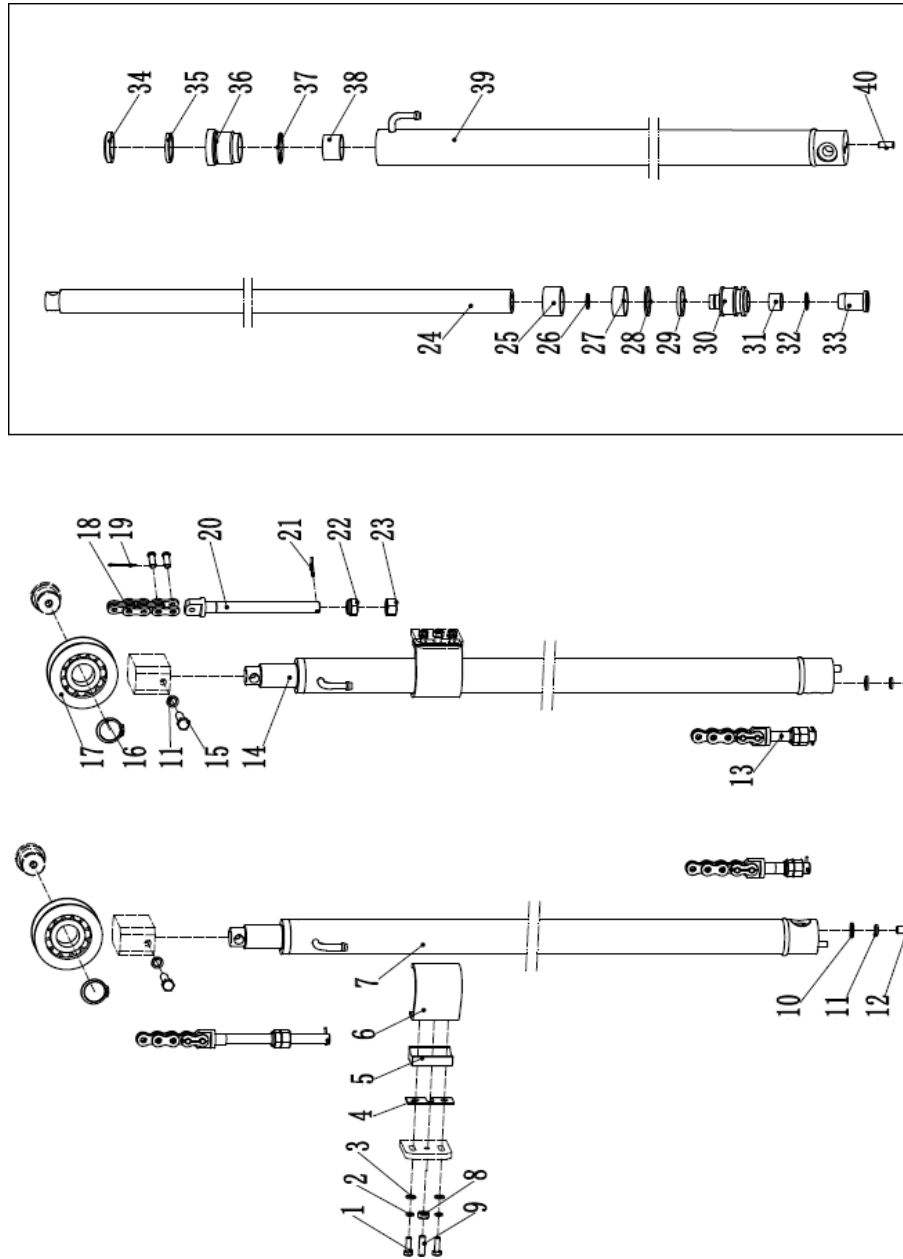


Fig. 49

Fig. 49 Lifting cylinder (three stage full free)

| No. | Coding | Description | Qty | Note |
|-----|------------------|---|-----|--------------------|
| 18 | | LH1623 chain | 2 | Belong to A ▲ |
| 19 | | Split pin 2.5x40 | 2 | Belong to A ▲ |
| 20 | | Joint | 2 | Belong to A ▲ |
| 21 | | Split pin 3.2x30 | 2 | Belong to A ▲ |
| 22 | | Nut M18x1.5 | 2 | Belong to A ▲ |
| 23 | | Nut M18x1.5 | 2 | Belong to A ▲ |
| 24 | | Piston rod | 1 | ▲ |
| 25 | | Adjusting bushing 40.5x49xL2 | 1 | ▲ |
| 26 | | Circlip ϕ 24x2 | 1 | ▲ |
| 27 | | Bearing 50x20x2.5 | 1 | ▲ |
| 28 | | Catch 50x40x3 | 1 | ▲ |
| 29 | | Seal ring 50x40x6 | 1 | ▲ |
| 30 | | Piston | 1 | ▲ |
| 31 | | Copper bushing | 1 | ▲ |
| 32 | | Circlip ϕ 26.5x2 | | ▲ |
| 33 | | Buffer ring | 1 | ▲ |
| 34 | | Dust ring DKB40x52x7/10 | 1 | ▲ |
| 35 | | Seal ring 40x50x6 | 1 | ▲ |
| 36 | | Guide bushing | 1 | ▲ |
| 37 | | O seal ring 49.7x2.4 | 1 | ▲ |
| 38 | | Bearing 4030 | 1 | ▲ |
| 39 | | Cylinder | 1 | ▲ |
| 40 | | Dowel pin D10x26 | 1 | ▲ |
| 41 | 2550985100 03 | Seal kits(three stage full free lifting cylinder) | 2 | Inc.27.29.34.35.37 |
| A | 2550445100 46 | Lifting chainLH1623-69 | 2 | H=4000 |
| | 2550445101 38 | Lifting chainLH1623-73 | 2 | H=4300 |
| | 2550445100 47 | Lifting chainLH1623-75 | 2 | H=4500 |
| | 2550435101 39 | Lifting chainLH1623-79 | 2 | H=4800 |

| | | | | |
|----------------|------------------|-------------------------|---|--------|
| Fig. 49 | 2550445101 40 | Lifting chainLH1623-85 | 2 | H=5000 |
| | 2550445100 48 | Lifting chainLH1623-95 | 2 | H=5500 |
| | 2550445100 49 | Lifting chainLH1623-103 | 2 | H=6000 |

Note: Spare parts will not be provided separately

Tilted cylinder

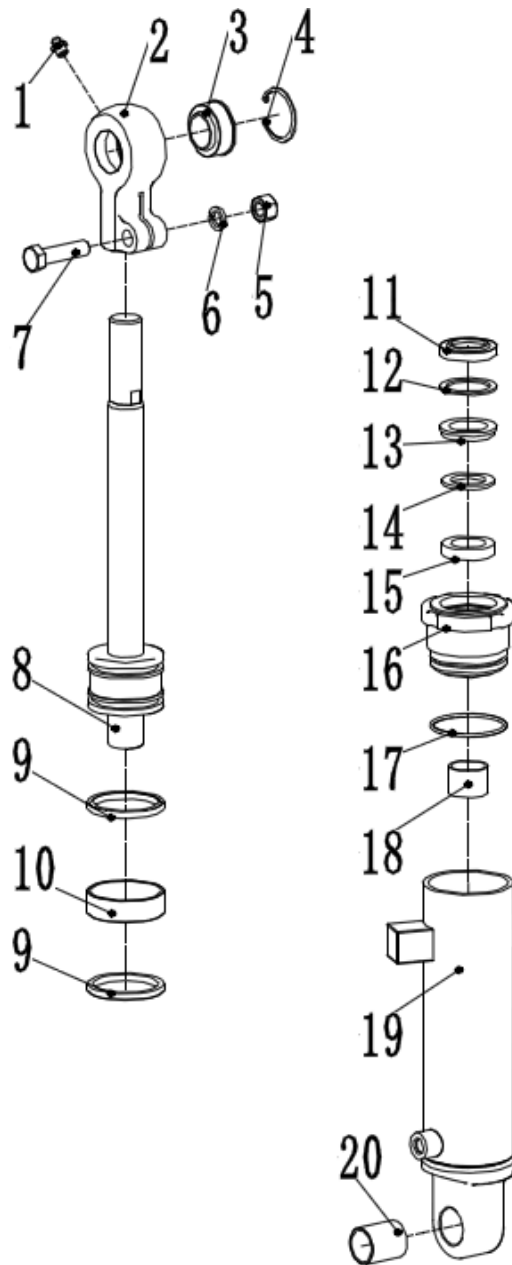


Fig. 50

Fig. 50**Tilted cylinder**

| No. | Coding | Description | Qty | Note |
|-----|------------------|-------------------------------|-----|-----------|
| A | 2550205100 01 | Tilted cylinder (6/10) | 1 | Inc. 1-20 |
| | 2550205100 02 | Tilted cylinder (6/6) | 1 | |
| | 2550205100 03 | Tilted cylinder (3/6) | 1 | |
| | 2550205100 04 | Tilted cylinder (3/3) | 1 | |
| B | 2550205100 05 | Tilted cylinder (6/10) | 1 | Inc. 1-20 |
| | 2550205100 06 | Tilted cylinder (6/6) | 1 | |
| | 2550205100 07 | Tilted cylinder (3/6) | 1 | |
| | 2550205100 08 | Tilted cylinder (3/3) | 1 | |
| 1 | | Grease mouth Z1/8 | 2 | ▲ |
| 2 | 2550985205 01 | Earring | 2 | |
| 3 | | Bearing GE30ES | 2 | ▲ |
| 4 | | Circlip 47 | 2 | ▲ |
| 5 | | NutM14 | 2 | ▲ |
| 6 | | Washer14 | 2 | ▲ |
| 7 | | BoltM14x55 | 2 | ▲ |
| 8 | | Piston body assembly | 2 | ▲ |
| 9 | | Yx seal ring D70x60x6 | 2 | ▲ |
| 10 | | Support ring D70x20x2.5 | 2 | ▲ |
| 11 | | Dust ring 52x32x8/9 | 2 | ▲ |
| 12 | | Circlip 52 | 2 | |
| 13 | | Circlip | 2 | ▲ |
| 14 | | Catch 48x32x3 | 2 | ▲ |
| 15 | | Useal ring 48x32x10 | 2 | ▲ |
| 16 | | Guide sleeve | 2 | ▲ |

| | | | | |
|----|------------------|-----------------------------|---|----------------|
| 17 | Fig. 50 | O-ring seal ring 70x3.1 | 2 | ▲ |
| 18 | | Tilted cylinder | | |
| | | Bearing 3225 | 2 | ▲ |
| 19 | | Cylinder barrel assembly | 2 | ▲ |
| 20 | | Bearing 3040 | 2 | ▲ |
| C | 2550985100 06 | Seal kits (tilted cylinder) | 2 | Inc.9-11.15.17 |

Note: ▲ Spare parts will not be provided separately

Electric system

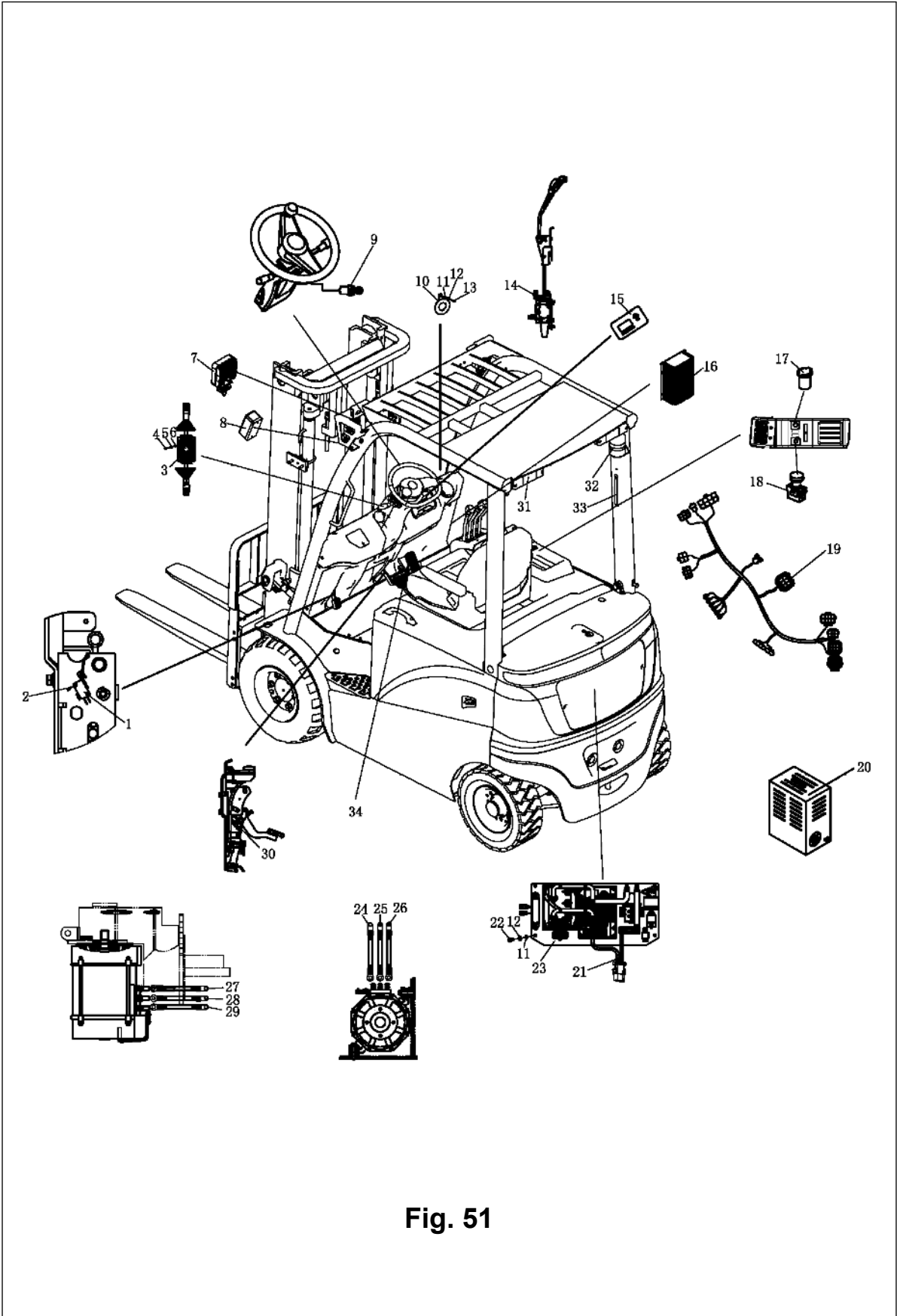


Fig. 51

Fig. 51**Electric system**

| No. | Coding | Description | Qty | Note |
|-----|------------------|-----------------------------------|-----|------|
| 1 | 9202003000 09 | Micro switch RV-166-1C25 | 1 | |
| 2 | 9104001000 03 | Washer GB97.1-4-200HV | 2 | |
| 3 | 9202008000 13 | Combination switch JK361B-1003 | 1 | |
| 4 | 9102005000 38 | Screw GB818-M5x12-4.8 | 4 | |
| 5 | 9104005000 04 | Washer GB93-5 | 8 | |
| 6 | 9104001000 04 | Washer GB97.1-5-200HV | 8 | |
| 7 | 9220001000 01 | Light PDL-LXZM-1 | 2 | |
| 8 | 9220001000 02 | Light PDL-LXXD-1 | 2 | |
| 9 | 9202002000 02 | Key switch KEYA | 1 | |
| 10 | 9205001000 01 | Horn 125-DC24V | 1 | |
| 11 | 9104001000 05 | Washer GB97.1-6-200HV | 1 | |
| 12 | 9104005000 05 | Washer GB93-6 | 1 | |
| 13 | 9102005000 51 | Screw GB818-M6x12-4.8 | 1 | |
| 14 | 9202003000 04 | Micro switch RZ-15GQ22-B3 | 3 | |
| 15 | 92110010001 1 | Indicator 3501-12-80V | 4 | |
| 16 | 9219001000 01 | Transducer DC48V 24V | 1 | |
| 17 | 9219001000 04 | Transducer DC24V 5V | 4 | |
| 18 | 9202001000 02 | Emergency switch CE4T-10R-01 | 1 | |
| 19 | 2550330100 01 | Truck body harness (1234SE+AC) | 1 | |

| | | | | | |
|----|----------------|------------------|------------------|---|----------------------|
| 20 | Fig. 51 | 9210002000 79 | Charger SN48V80A | 1 | 600\630Ah Battery |
| | | 9210002000 80 | Charger SN48V80A | 1 | 600\630Ah Battery |
| | | 9210002000 81 | Charger SN48V80A | 1 | 600\630Ah Battery |
| | | 9210002000 82 | Charger SN48V80A | 1 | 600\630Ah Battery |
| | | 9210002000 83 | Charger SN48V80A | 1 | 600\630AhBatter y |

Electric system

Electric system

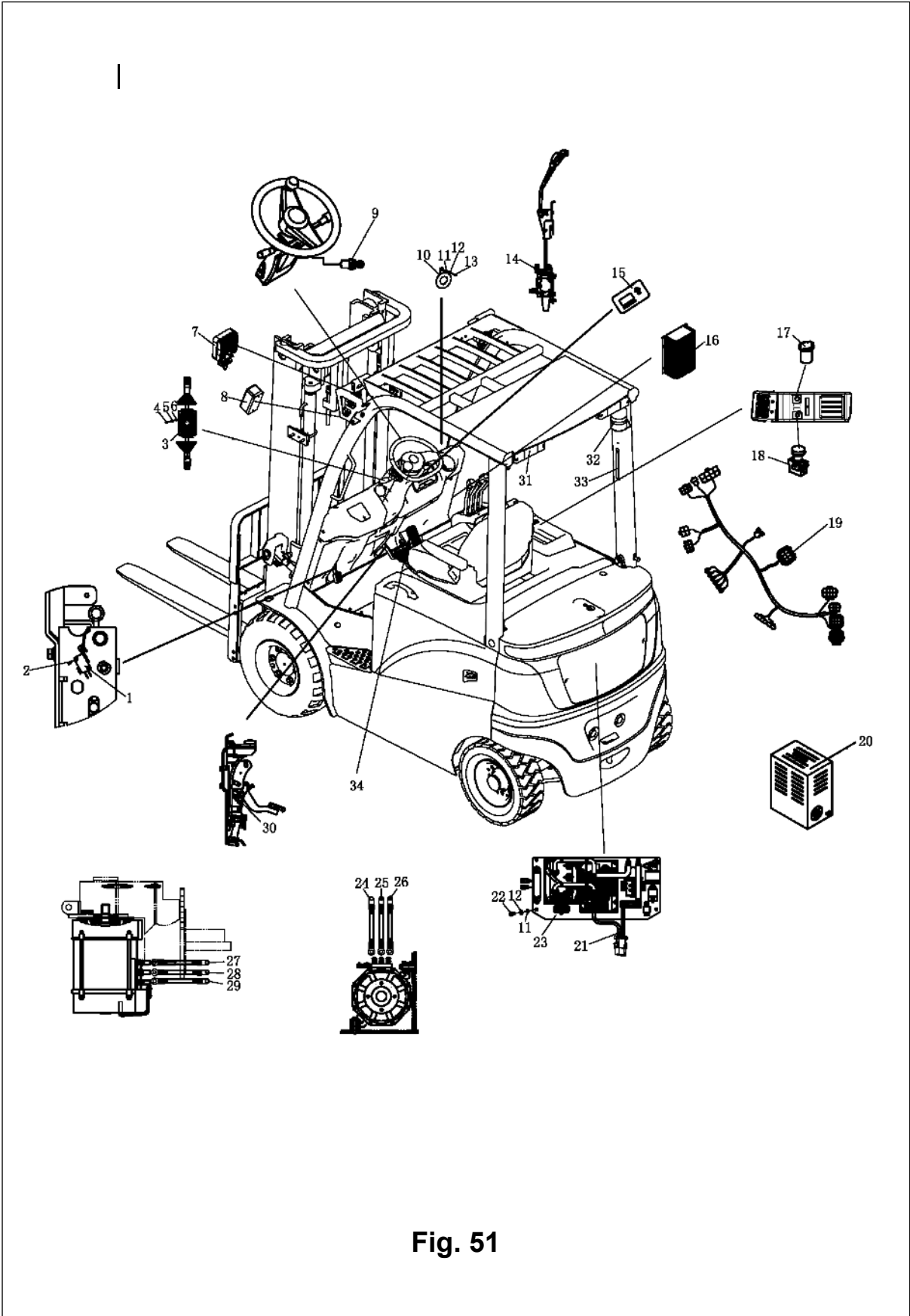


Fig. 51

Fig. 51 Electric system

| No. | Coding | Description | Qty | Note |
|-----|------------------|--------------------------------|-----|----------------------|
| 20 | 92100020008 4 | Charger SN48V80A | 1 | 600\630AhBatte ry |
| | 92100020009 7 | Charger SN48V100A | 1 | 700\770AhBatte ry |
| | 92100020009 8 | Charger SN48V100A | 1 | 700\770AhBatte ry |
| | 92100020009 9 | Charger SN48V100A | 1 | 700\770AhBatte ry |
| | 92100020010 0 | Charger SN48V100A | 1 | 700\770AhBatte ry |
| | 92100020010 1 | Charger SN48V100A | 1 | 700\770AhBatte ry |
| | 92100020010 2 | Charger SN48V100A | 2 | 700\770AhBatte ry |
| 21 | 25503301000 8 | Cable | 1 | |
| 22 | 91020020005 8 | ScrewGB70.1-M8x25-8.8 | 1 | |
| 23 | 25503301000 9 | Electric control (1234E+AC) | 1 | |
| 24 | 25503301001 1 | Cable-U2-35-6-8-1350 | 1 | |
| 25 | 25503301001 2 | Cable-V2-35-6-8-1300 | 1 | |
| 26 | 25503301001 3 | Cable-W2-35-6-8-1250 | 1 | |
| 27 | 25503301000 5 | Cable-U1-35-6-8-3100 | 1 | |
| 28 | 25503301000 6 | Cable-V1-35-6-8-3050 | 1 | |
| 29 | 25503301000 7 | Cable-W1-35-6-8-3000 | 1 | |
| 30 | 92020100000 2 | Foot pedal JK231 | 1 | |
| 31 | 92200010000 3 | Light PDL-LXHW-2 | 2 | |
| 32 | 92200010000 4 | Light PDL-LXJD-01Y | 1 | |

| | | | | |
|----------------|------------------|-------------------------|---|--|
| 33 | 25503351000 1 | Rear lever switch | 1 | |
| Fig. 51 | | Electric system | | |
| 34 | 92170010000 5 | Accelerator FZ3-532-133 | 1 | |

Electronic control element (CURTIS)

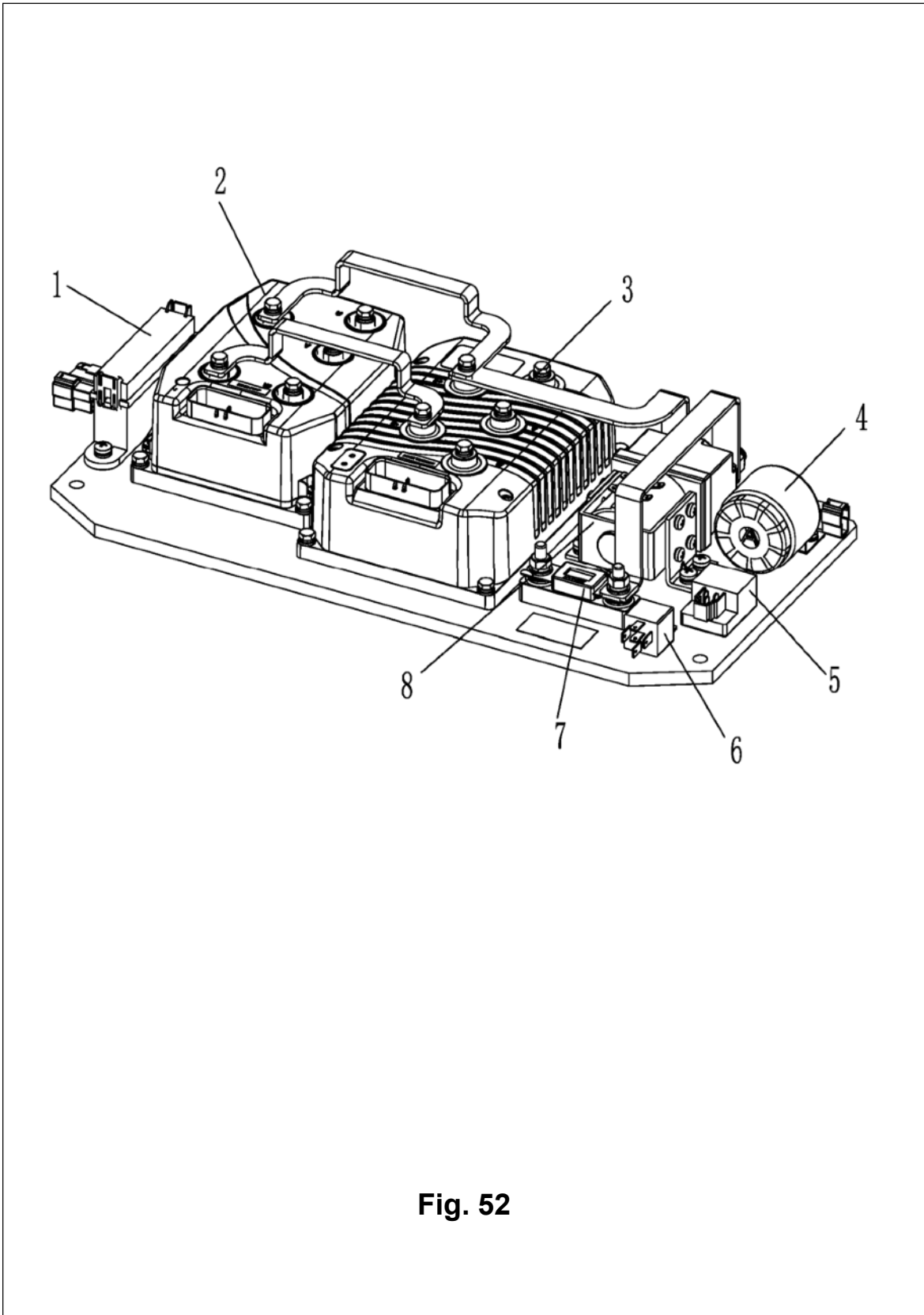


Fig. 52

Fig. 52 Electronic control element (CURTIS)

| No. | Coding | Description | Qty | Note |
|-----|------------------|-------------------------------|-----|------|
| 1 | 9201004000 08 | Fuse box BX2081X | 1 | |
| 2 | 9214001000 43 | Controller 1232SE-5321 | 1 | |
| 3 | 9214001000 42 | Controller 1234SE-5421 | 1 | |
| 4 | 92050010000 2 | Buzzer DJB-24B | 1 | |
| 5 | 9220001000 05 | Light SG252-24V | 1 | |
| 6 | 92080010000 2 | Relay DC24V-HFV4 | 1 | |
| 7 | 9201001000 14 | Fuse 500A | 1 | |
| 8 | 92070010000 5 | Contacteur DC48C-SW200-262 | 1 | |

Power connector assembly

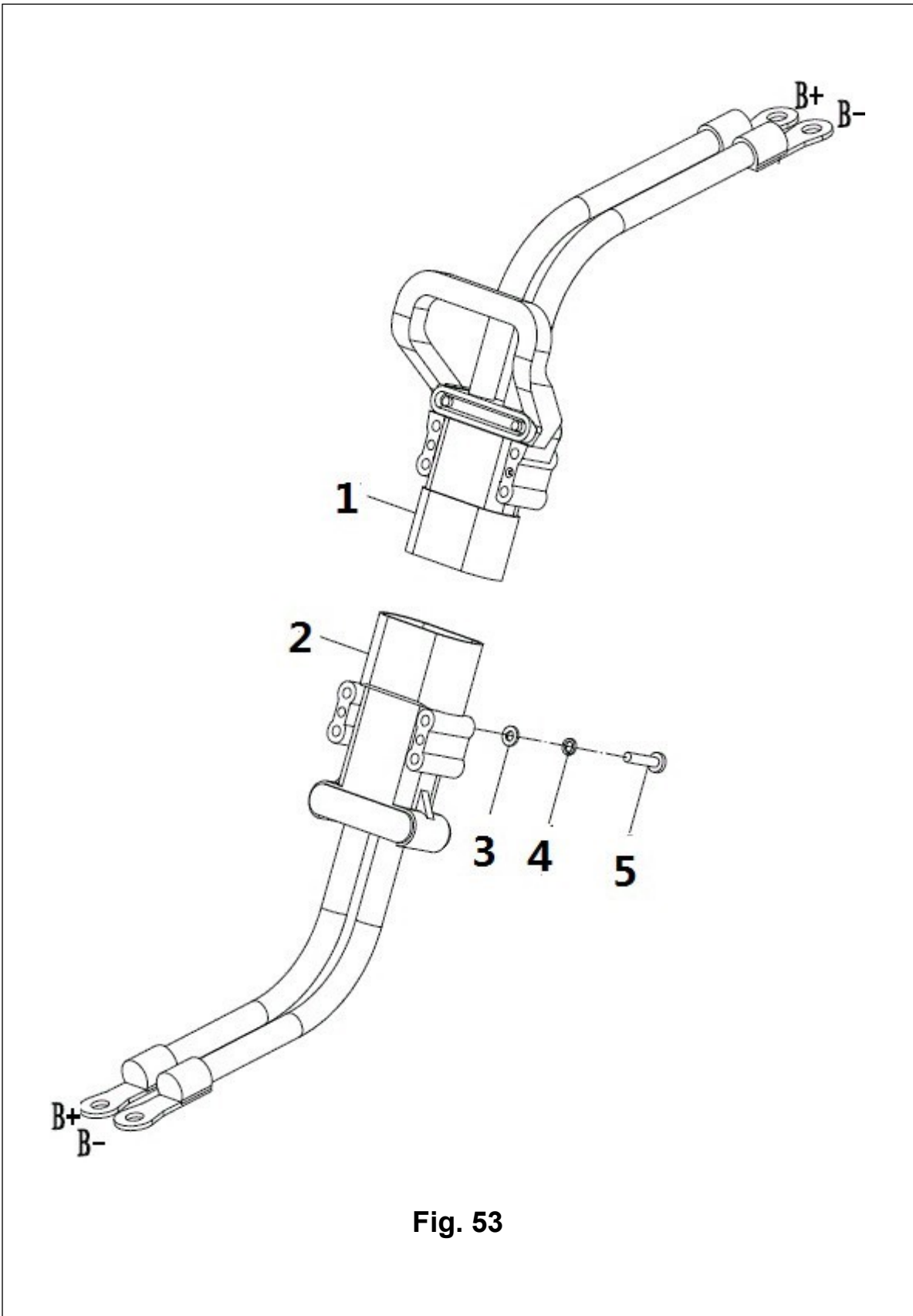


Fig. 53

Fig. 53 **Power connector assembly**

| No. | Coding | Description | Qty | Note |
|-----|------------------|-------------------------|-----|------|
| 1 | 2550985133 01 | Batteryconnecting cable | 1 | |
| 2 | 2550330100 08 | Battery cable | 1 | |
| 3 | 9104001000 05 | Washer GB97.1-6-200HV | 4 | |
| 4 | 9104005000 05 | Washer GB93-6 | 4 | |
| 5 | 9102002000 46 | Screw GB70.1-M6x60-8.8 | 4 | |

Labels

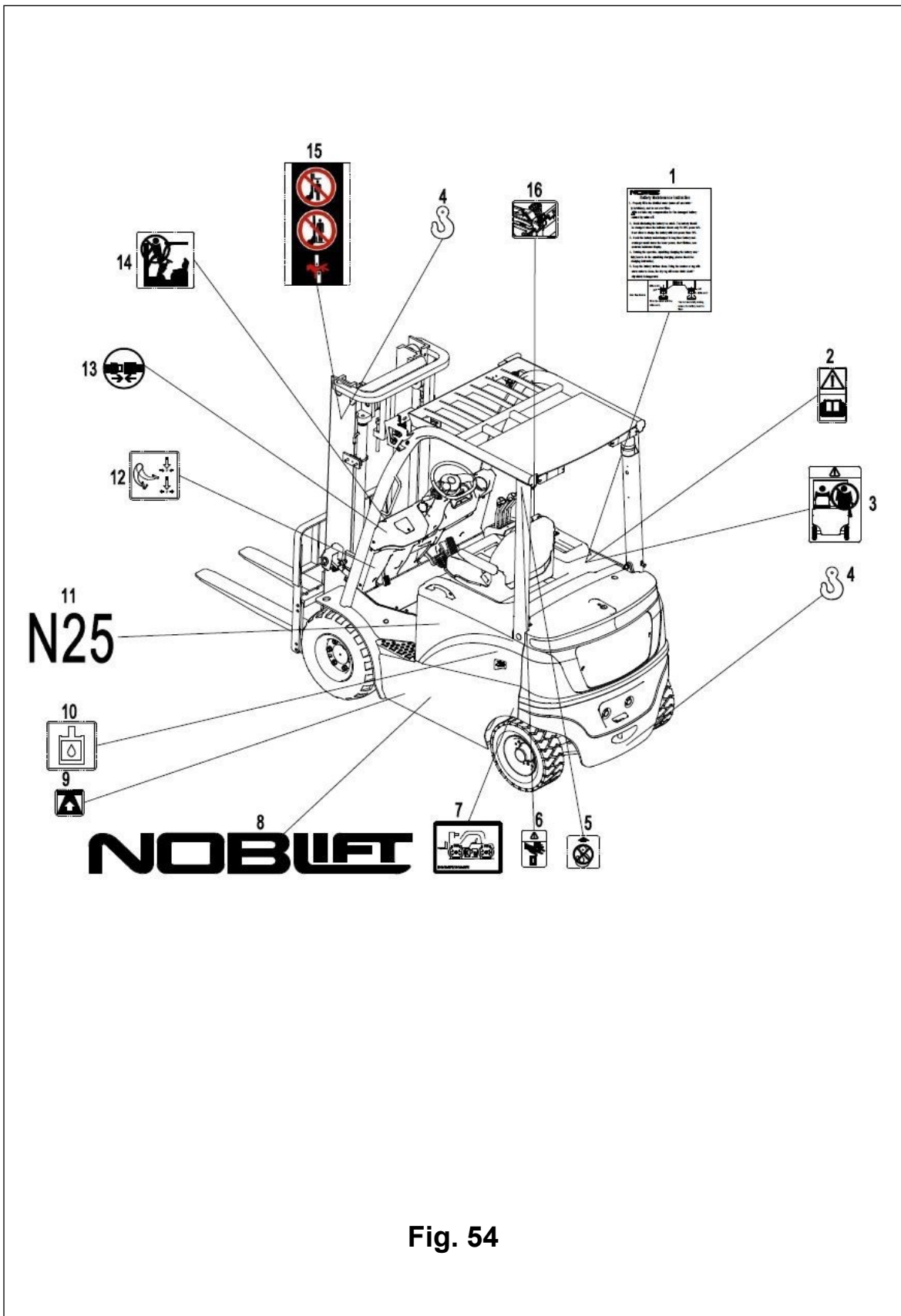


Fig. 54

Fig. 54**Labels**

| No. | Coding | Description | Qty | Note |
|-----|-------------------|----------------------------|-----|------|
| A | 25509851475 02 | English labeling assembly | 1 | |
| | 25459851475 02 | English labeling assembly | 1 | |
| 1 | 25504702000 7 | Battery maintenance | 1 | |
| 2 | 941200300011 | Warning label | 1 | |
| 3 | 25504702001 3 | "No passengers" decal | 1 | |
| 4 | 255047020011 | Crane hook label | 3 | |
| 5 | 25504702000 8 | No crane label | 2 | |
| 6 | 94120010002 7 | Squeeze hand stick | 2 | |
| 7 | 25504702000 2 | Tyre pressure label | 2 | |
| 8 | 25504702002 2 | Noblelift logo | 2 | |
| 9 | 25504702000 6 | Supporting point label | 1 | |
| 10 | 25504702000 4 | Hydraulic oil sticker | 1 | |
| 11 | 25504702000 7 | Product model sticker | 2 | |
| 12 | 25504702000 1 | Foot brake sticker | 1 | |
| 13 | 25504702001 2 | Safety belt sticker | 1 | |
| 14 | 25504702000 9 | No climbing | 1 | |
| 15 | 94120010000 4 | Safety label | 2 | |
| 16 | 25504702000 6 | Battery cover open sticker | 1 | |

Data nameplate

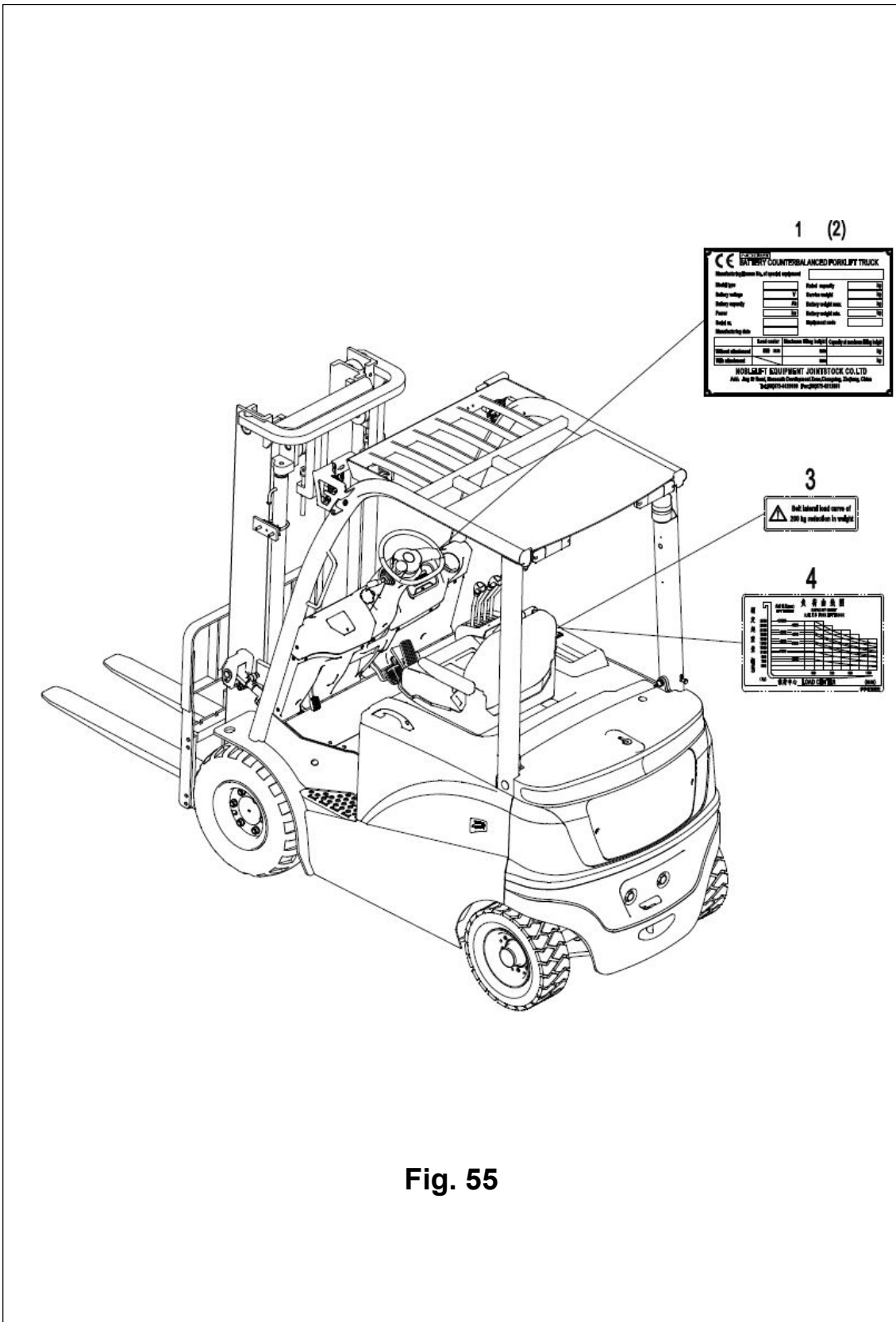


Fig. 55

Fig. 55 **Data nameplate**

| No. | Coding | Description | Qty | Note |
|-----|------------------|-------------------------------------|-----|------|
| 1 | 2550475200 02 | Nameplate | 1 | |
| 2 | 9105006000 02 | Rivet GB827-3x10 | 4 | |
| 3 | 2550475200 05 | Lose weight sticker with sideway | 1 | |
| 4 | 2550475200 03 | Load capacity diagram | 1 | |

NOBLELIFT

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Version: Sep,2018

