

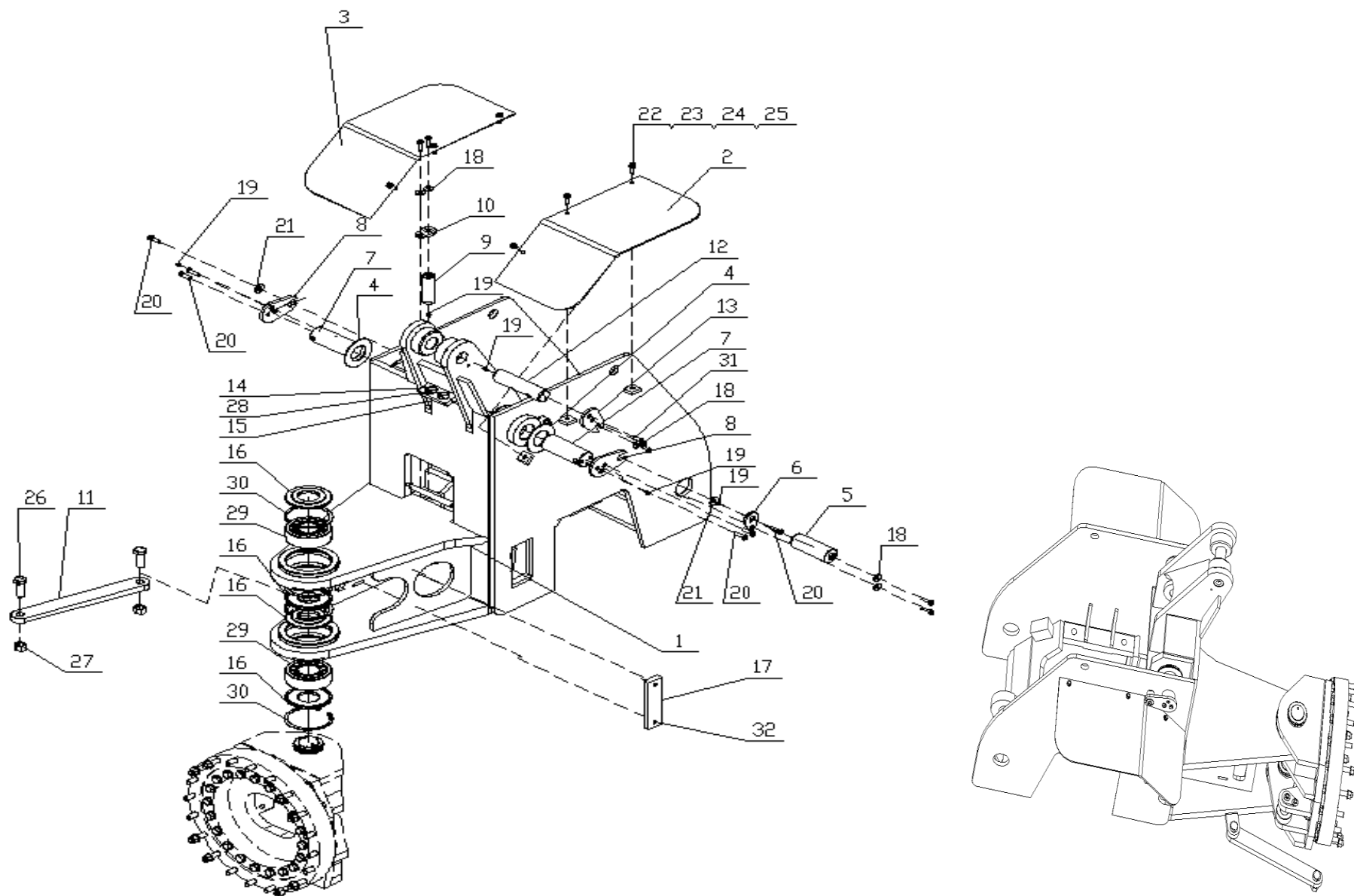
Shandong Derui Mining Machinery Co., Ltd.

# DRWJ-1 Underground LHD LOADER

Manual of Spare Parts

2021.6

# Front Frame Assembly



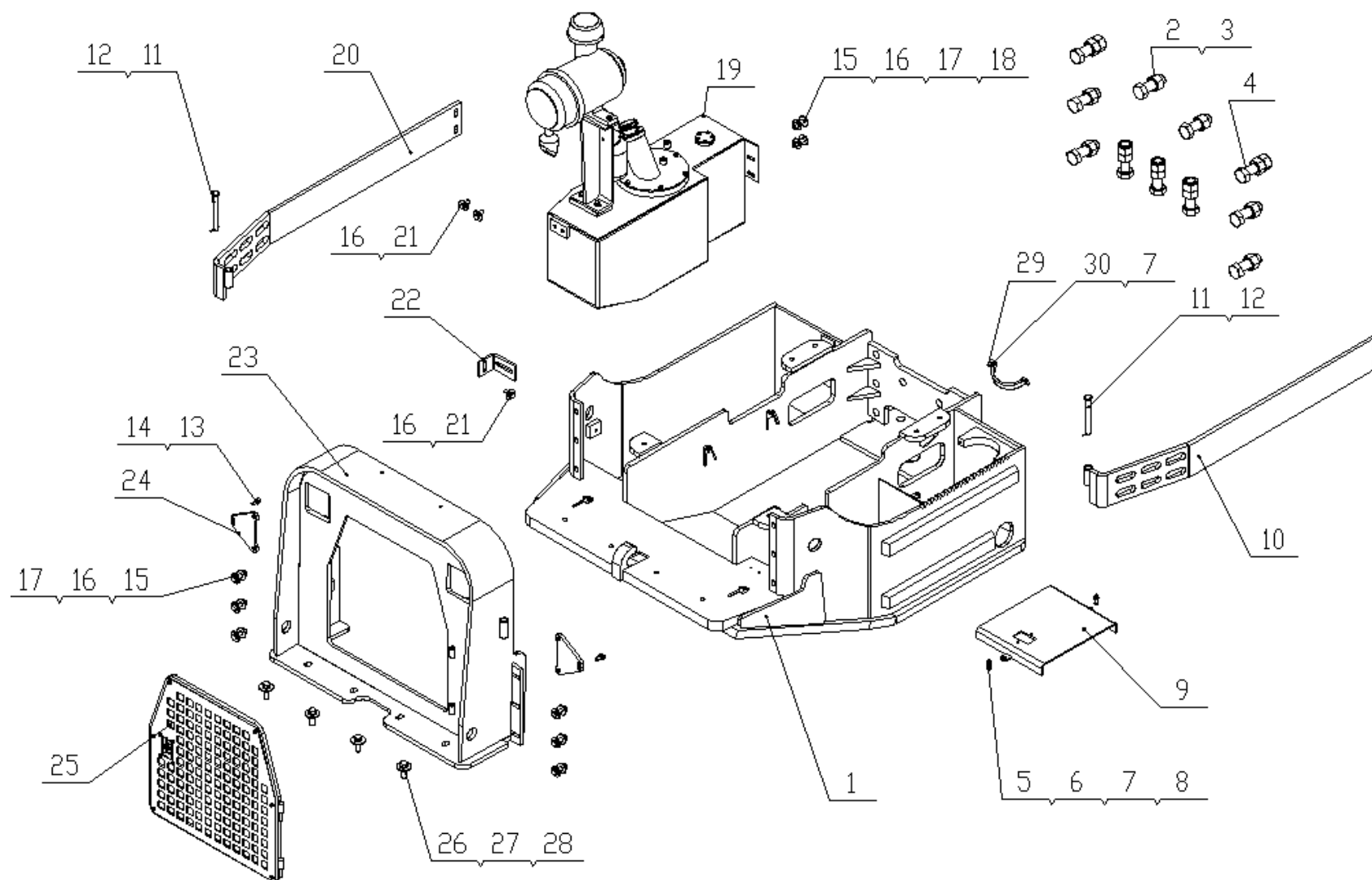
## Front frame assembly

| No. | Code       | Description                                  | Quantity | Remarks |
|-----|------------|----------------------------------------------|----------|---------|
| 1   | WJ1010100A | Front frame welding                          | 1        |         |
| 2   | WJ10101A   | Fender 1                                     | 1        |         |
| 3   | WJ10102A   | Fender 2                                     | 1        |         |
| 4   | WJ10103A   | Boom rear shaft gasket                       | 2        |         |
| 5   | WJ10104A   | Lower shaft of lifting cylinder              | 1        |         |
| 6   | WJ10105A   | Lifting cylinder lower shaft baffle          | 1        |         |
| 7   | WJ10106A   | Rear axle of large arm                       | 2        |         |
| 8   | WJ10107A   | Boom rear shaft pressing plate               | 2        |         |
| 9   | WJ10108A   | Steering cylinder front shaft                | 1        |         |
| 10  | WJ10109A   | Steering cylinder front shaft pressing plate | 1        |         |
| 11  | WJ10110A   | Locking plate                                | 1        |         |
| 12  | WJ10111A   | Rear shaft of tipper cylinder                | 1        |         |
| 13  | WJ10112A   | Rear shaft pressing plate of tipper cylinder | 1        |         |
| 14  | WJ10114A   | Pipe clamp 2                                 | 1        |         |
| 15  | WJ10113A   | Pipe clamp 1                                 | 1        |         |
| 16  | WJ10116A   | Hinge shaft gland                            | 4        |         |
| 17  | WJ10115A   | Drive shaft cushion                          | 1        |         |

## Front frame assembly

| No. | Code       | Description                                  | Quantity | Remarks        |
|-----|------------|----------------------------------------------|----------|----------------|
| 18  | 5019000100 | Large washer 10                              | 6        | GBT96.2-2002   |
| 19  | 5020000003 | Straight-through forced filling oil cup 10x1 | 5        | JBT7940.1-1995 |
| 20  | 5001120401 | Hexagon bolt full thread M12x40              | 6        | GBT5783-2000   |
| 21  | 5019000120 | Large washer 12                              | 2        | GBT96.2-2002   |
| 22  | 5001100401 | Hexagon bolt full thread M10x40              | 10       | GBT5783-2000   |
| 23  | 5017000100 | Flat washer 10                               | 8        | GBT97.2-2002   |
| 24  | 5010000100 | Spring washer 10                             | 6        | GBT93-87       |
| 25  | 5005100001 | Hexagon nut M10                              | 8        | GBT6170-2000   |
| 26  | 5001240702 | Hexagon bolt full thread M24x70              | 2        | GBT5783-2000   |
| 27  | 5005240002 | Hexagonal nut 24                             | 2        | GBT6170-2000   |
| 28  | 5007100301 | Inner hexagon socket bolt M10x30             | 3        | GBT70.1-2000   |
| 29  | 5026000702 | Self-aligning roller bearing 22314           | 2        | GBT288-1994    |
| 30  | 5012001500 | Elastic retaining ring for hole 150          | 4        | GB893.1-86     |
| 31  | 5001100301 | Hexagon bolt full thread M10x30              | 6        | GBT5783-2000   |
| 32  | 5001100501 | Hexagon bolt full thread M10x50              | 2        | GBT5783-2000   |
|     |            |                                              |          |                |

## Rear frame assembly

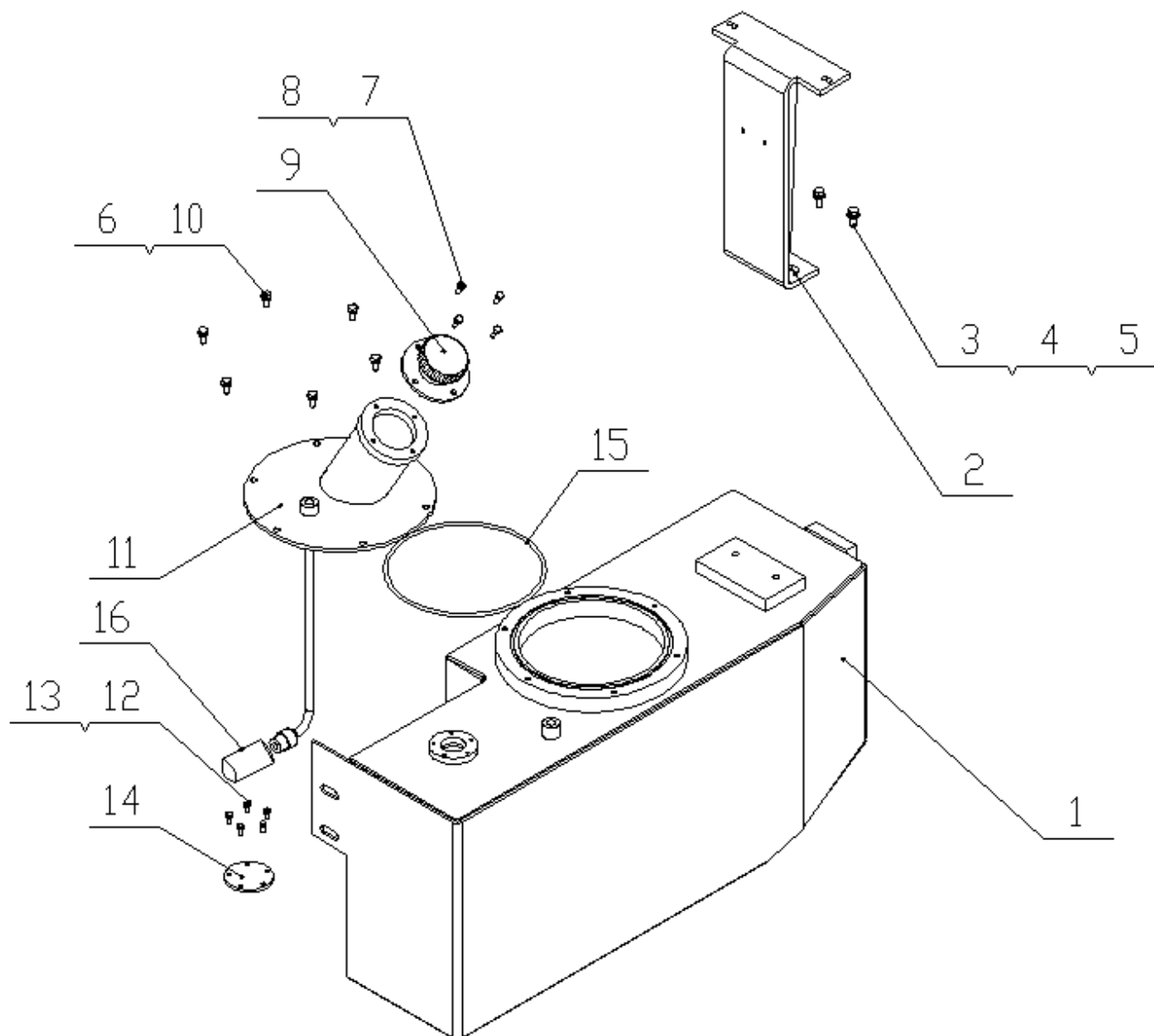


## Rear frame assembly

| No. | Code       | Description                          | Quantity | Remarks        |
|-----|------------|--------------------------------------|----------|----------------|
| 1   | WJ1020100B | Rear frame welded together           | 1        |                |
| 2   | 5006240202 | Nut fin thread M24x2                 | 16       | GB/T6171-2000  |
| 3   | 5004240702 | Hexagon bolts fin thread M24x2x70    | 6        | GB/T5786-2000  |
| 4   | 5004240902 | Hexagon bolts fin thread M24x2x90    | 5        | GB/T5786-2000  |
| 5   | 5002080301 | Hexagon bolt M8x30                   | 2        | GB/T5782-2000  |
| 6   | 5018000080 | Flat washer 8                        | 4        | GB/T 95-1985   |
| 7   | 5010000080 | Spring washer 8                      | 2        | GB/T 93-1987   |
| 8   | 5005080001 | Hexagon nut M8                       | 2        | GB/T6170-2000  |
| 9   | WJ1020200B | Battery cover plate welded           | 1        |                |
| 10  | WJ1020600B | Rear frame right guard plate welding | 1        |                |
| 11  | WJ10202A   | Guard plate fixing pin shaft         | 2        |                |
| 12  | 5013323200 | Split pin 3.2×32                     | 2        | GB/T91-2000    |
| 13  | 5002100251 | Hexagon bolt M10x25                  | 6        | GB/T5782-2000  |
| 14  | 5018000100 | Flat washer 10                       | 6        | GB/T 95-1985   |
| 15  | 5002120501 | hexagon bolt M12x50                  | 8        | GB/T5782-2000  |
| 16  | 5019000120 | Large washer 12                      | 19       | GB/T 96.2-2000 |
| 17  | 5010000120 | Spring washer 12                     | 4        | GB/T 93-1987   |
| 18  | 5005120001 | Hexagon nut M12                      | 8        | GB/T6170-2000  |

| No. | Code       | Description                                 | Quantity | Remarks |                |
|-----|------------|---------------------------------------------|----------|---------|----------------|
| 19  | WJ1020300B | DEUTZ 914 separating tank assembly          |          | 1       |                |
| 20  | WJ1020700B | Welding of left guard plate of engine frame |          | 1       |                |
| 21  | 5002100301 | Hexagon bolt M10x30                         |          | 2       | GB/T5782-2000  |
| 22  | WJ10205B   | Oil tank fixing plate                       |          | 1       |                |
| 23  | WJ1020400B | Rear end cap welded                         |          | 1       |                |
| 24  | WJ10202B   | Radiator fixing plate                       |          | 1       |                |
| 25  | WJ1020400A | Rear door assembly                          |          | 1       |                |
| 26  | 5002160501 | Hexagon bolt M16x50                         |          | 4       | GB/T5782-2000  |
| 27  | 5019000160 | Large washer 16                             |          | 4       | GB/T 96.2-2000 |
| 28  | 5010000160 | Spring washer 16                            |          | 4       | GB/T 93-1987   |
| 29  | WJ10201A   | Muffler fixing plate                        |          | 1       |                |
| 30  | 5001080301 | Hexagon bolt M8x30                          |          | 2       | GB/T5783-2000  |
| 31  |            |                                             |          |         |                |
| 32  |            |                                             |          |         |                |

## DEUTZ 914 separating tank assembly

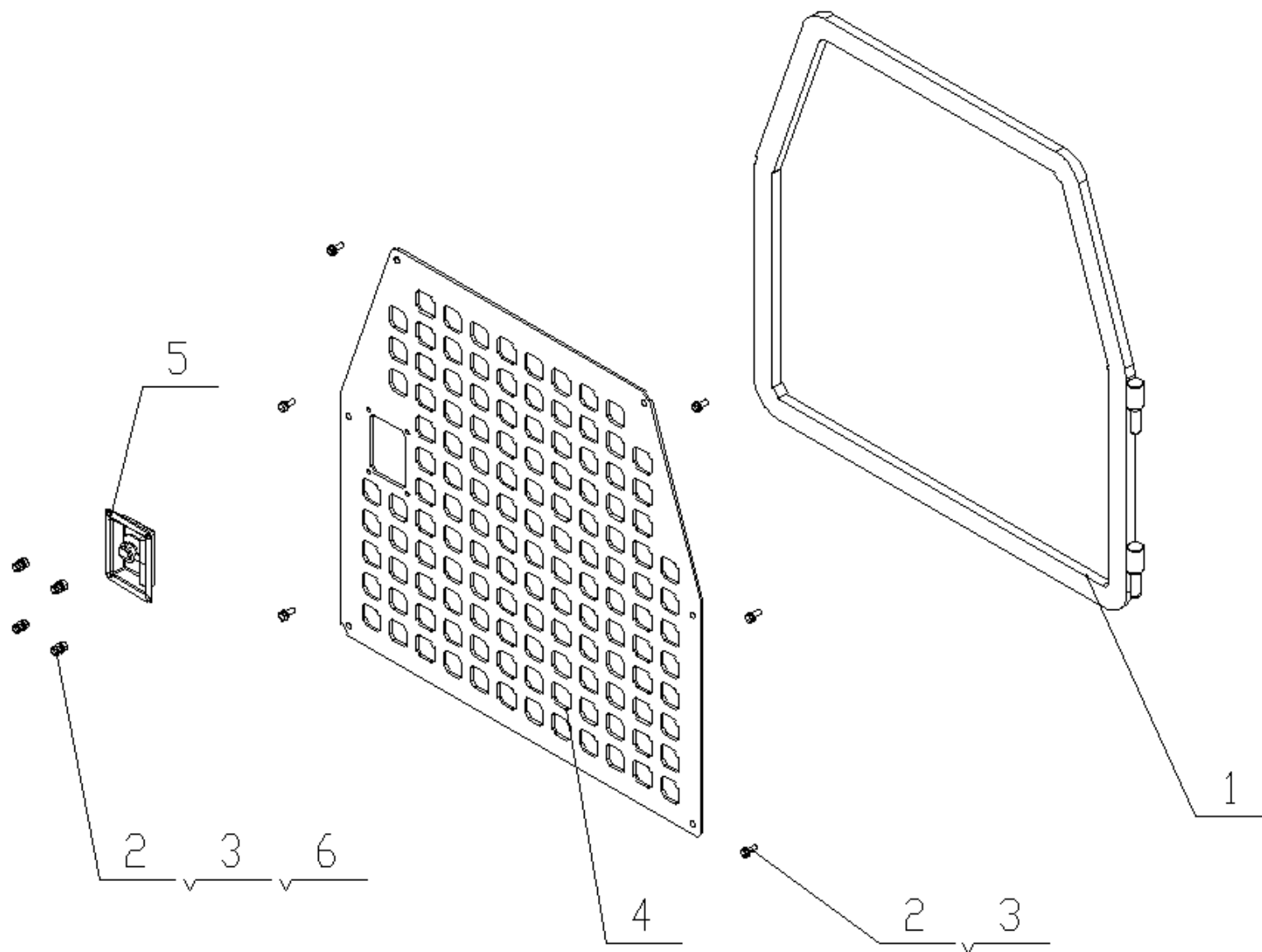




## DEUTZ 914 separating tank assembly

| No. | Code         | Description                            | Quantity | Remarks         |
|-----|--------------|----------------------------------------|----------|-----------------|
| 1   | WJ102030100B | Separate fuel tank welded              | 1        |                 |
| 2   | WJ102030400B | Welding of paper filter support        | 1        |                 |
| 3   | 5001100251   | Hexagon bolt M10x25                    | 2        | GB/T5783-2000   |
| 4   | 5010000100   | Spring washer 10                       | 2        | GB/T 93-1987    |
| 5   | 5018000100   | Flat washer 10                         | 2        | GB/T 95-2000    |
| 6   | 5001080161   | Hexagon bolt M8x16                     | 6        | GB/T5783-2000   |
| 7   | 5001060161   | Hexagon bolt M6x16                     | 4        | GB/T5783-2000   |
| 8   | 5010000060   | Spring washer 6                        | 4        | GB/T 93-1987    |
| 9   | WJ1020302A   | Filling port filter EF4-50             | 1        |                 |
| 10  | 5010000080   | Spring washer 8                        | 6        | GB/T 93-1987    |
| 11  | WJ102030300A | Diesel fuel tank cover plate welded    | 1        |                 |
| 12  | 5001060121   | Hexagon bolt M6x12                     | 5        | GB/T5783-2000   |
| 13  | 5010000060   | Spring washer 6                        | 5        | GB/T 93-1987    |
| 14  | WJ1020301A   | Induction plug RG205-330               | 1        |                 |
| 15  | 5015532180   | O-ring 218x5.3                         | 1        | GB/T3452.1-2005 |
| 16  | WJ1020303A   | Oil suction filter element WU-25-80 -J | 1        |                 |
|     |              |                                        |          |                 |
|     |              |                                        |          |                 |

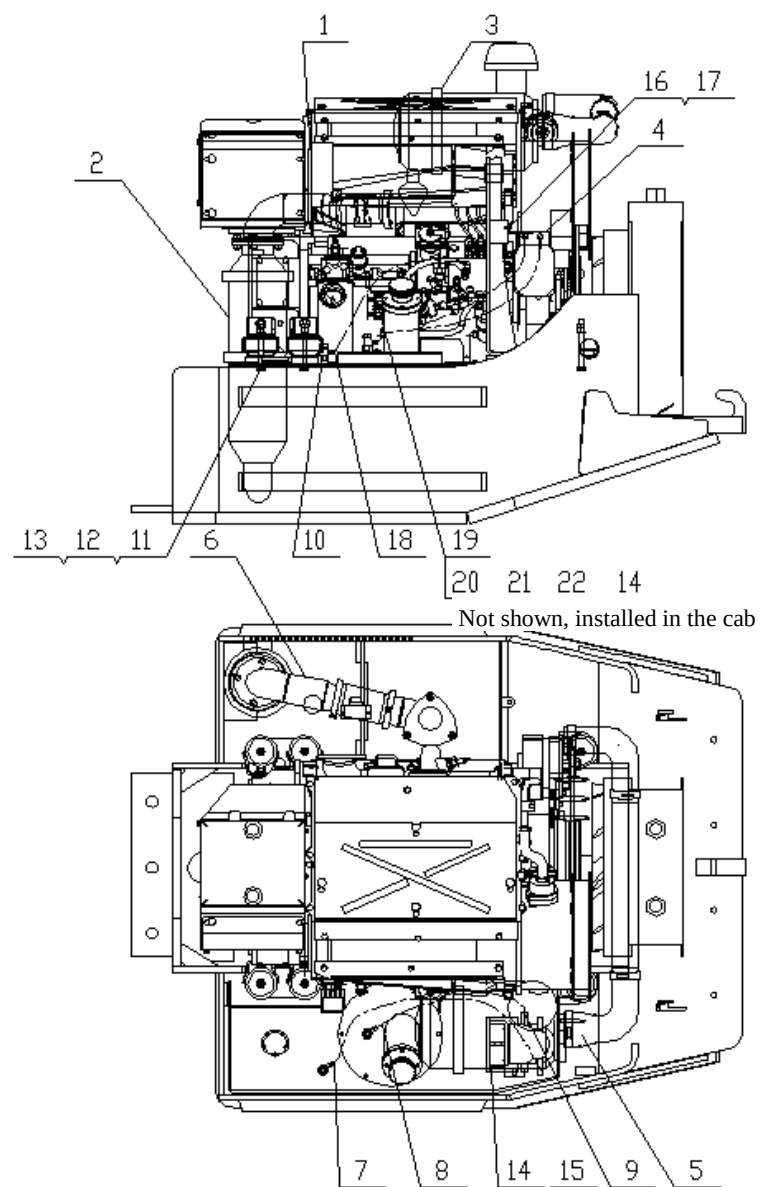
## Rear door assembly



## Rear door assembly

| No. | Code       | Description        | Quantity | Remarks       |
|-----|------------|--------------------|----------|---------------|
| 1   | WJ1020500A | Rear door welded   | 1        |               |
| 2   | 5001060161 | Hexagon bolt M6x16 | 10       | GB/T5783-2000 |
| 3   | 5010000060 | Elastic washer 6   | 10       | GB/T 93-87    |
| 4   | WJ10205A   | Rear door panel    | 1        |               |
| 5   | WJ10206A   | Box lock           | 1        |               |
| 6   | 5005060001 | Hexagonal nut M6   | 4        | GB/T6170-2000 |

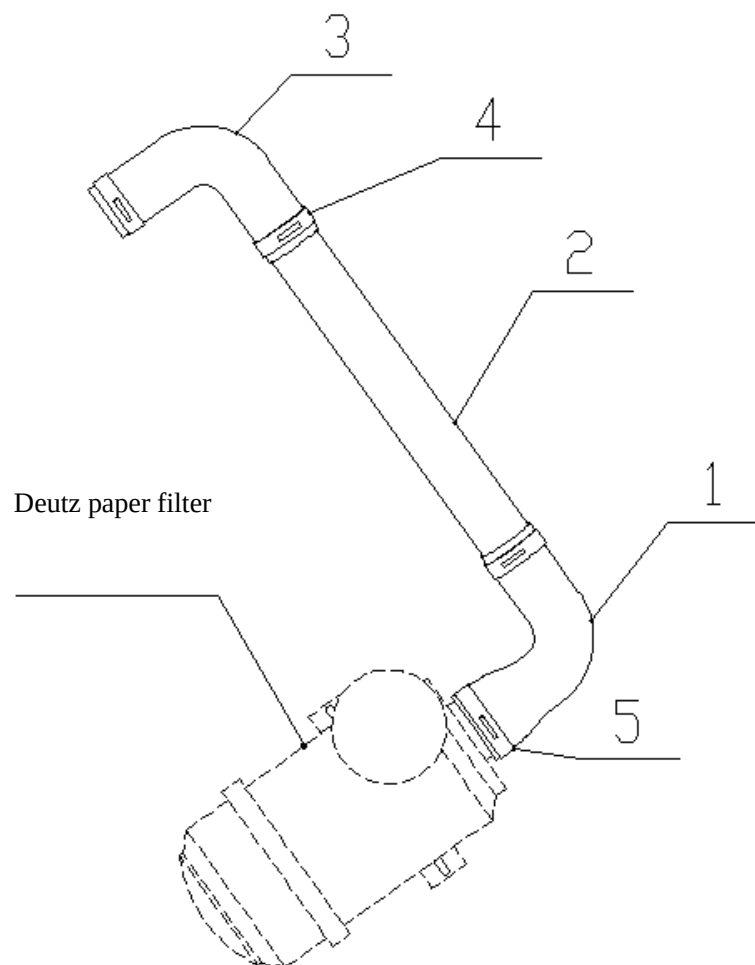
## Engine assembly



## Engine assembly

| No. | Code       | Description                               | Quantity | Remarks         |
|-----|------------|-------------------------------------------|----------|-----------------|
| 1   | WJ10301B   | D914L04 engine                            | 1        | Purchased parts |
| 2   | WJ10306A   | MDM-TR14 exhaust gas purifier             | 1        | Purchased parts |
| 3   | WJ10307A   | Kaiyan oil bath air filter                | 1        | Purchased parts |
| 4   | WJ10317A   | Oil and water separator FS1240            | 1        | Purchased parts |
| 5   | WJ1030100B | Air intake assembly                       | 1        |                 |
| 6   | WJ1030200B | Air exhaust assembly                      | 1        |                 |
| 7   | WJ10302A   | Oil pipe 1                                | 1        | L=700           |
| 8   | WJ10303A   | Oil pipe 2                                | 1        | L=900           |
| 9   | WJ10304A   | Oil pipe 3                                | 1        | L=500           |
| 10  | 5002121401 | Hexagon bolt M12x140                      | 6        | GBT5782-2000    |
| 11  | 5005120001 | Hexagonal nut 12                          | 12       | GBT6170-2000    |
| 12  | 5010000120 | Elastic washer 12                         | 6        | GBT93-1987      |
| 13  | WJ10316A   | Hollow bolt 14-08                         | 2        | Purchased parts |
| 14  | 5001080201 | Hexagon bolt M8x20                        | 7        | GBT5783-2000    |
| 15  | 5019000080 | Large washer 8                            | 4        | GBT96.2-2002    |
| 16  | 5001060161 | Hexagon bolt M6x16                        | 2        | GBT5783-2000    |
| 17  | 5019000060 | Large washer 6                            | 2        | GBT96.2-2002    |
| 18  | WJ10314A   | Clamp 10-16                               | 6        | Purchased parts |
| 19  | WJ1030300B | Throttle bracket welded                   | 1        |                 |
| 20  | WJ10318A   | Throttle pedal assembly<br>LG853.01.06.02 | 1        | Purchased parts |
| 21  | WJ10319A   | Linde pump throttle stay wire (L3000)     | 1        | Purchased parts |
| 22  | 5005080001 | Hexagonal nut 8                           | 3        | GBT6170-2000    |
|     |            |                                           |          |                 |
|     |            |                                           |          |                 |
|     |            |                                           |          |                 |
|     |            |                                           |          |                 |

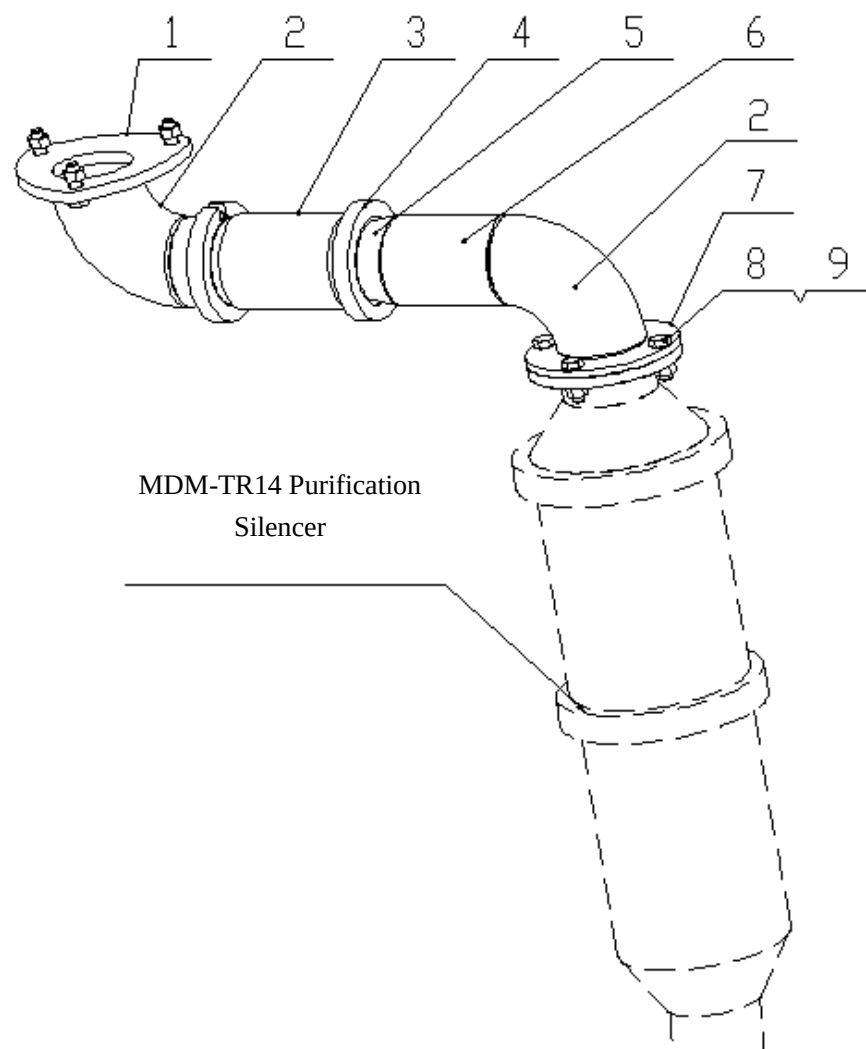
## Air intake assembly



## Air intake assembly

| No. | Code       | Description                        | Quantity | Remarks       |
|-----|------------|------------------------------------|----------|---------------|
| 1   | WJ1030101B | Intake reduce, silicone tube 70/90 | 1        |               |
| 2   | WJ1030102B | Straight pipe                      | 1        |               |
| 3   | WJ1030103B | Intake elbow silicone tube 70      | 1        |               |
| 4   | 5034000700 | Clamp 68- 73                       | 3        | JB/T8870-1999 |
| 5   | 5034000950 | Clamp 92- 97                       | 1        | JB/T8870-1999 |

## Air exhaust assembly

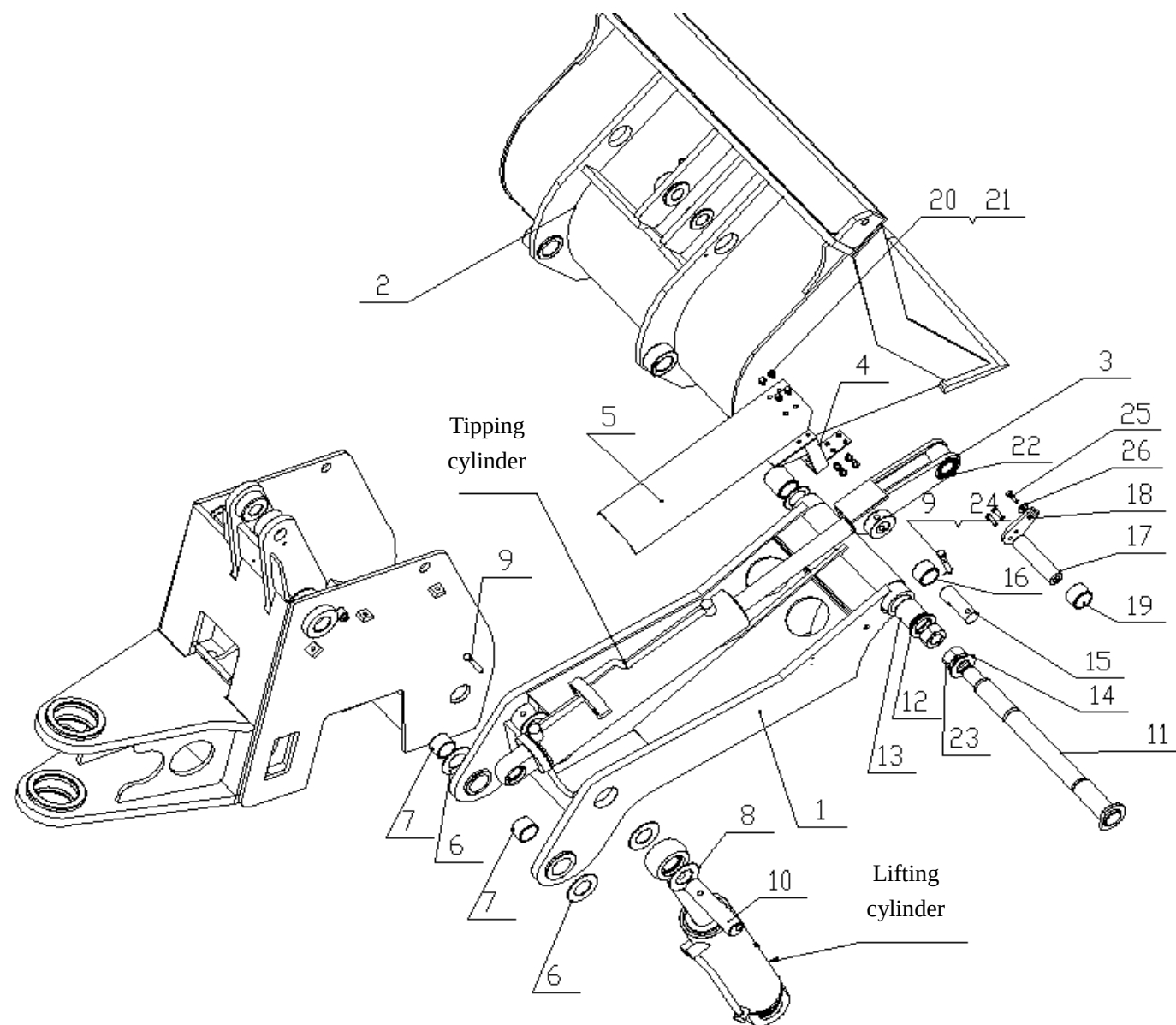




## Air exhaust assembly

| No. | Code       | Description                | Quantity | Remarks       |
|-----|------------|----------------------------|----------|---------------|
| 1   | WJ1030201B | Diesel exhaust port flange | 1        |               |
| 2   | WJ1030202A | 76 Elbow                   | 2        |               |
| 3   | WJ1030203A | Metal hose 137             | 1        |               |
| 4   | 5034000950 | Clamp 92- 97               | 2        | JB/T8870-1999 |
| 5   | WJ1030201A | Tube fitting               | 2        |               |
| 6   | WJ1030202B | Straight pipe              | 1        |               |
| 7   | WJ1030205A | Exhaust flange             | 1        |               |
| 8   | 5001100301 | Hexagon bolt M10x30        | 7        | GBT5783-2000  |
| 9   | 5005100001 | Hexagonal nut 10           | 7        | GBT6170-2000  |
|     |            |                            |          |               |
|     |            |                            |          |               |
|     |            |                            |          |               |

## Working device

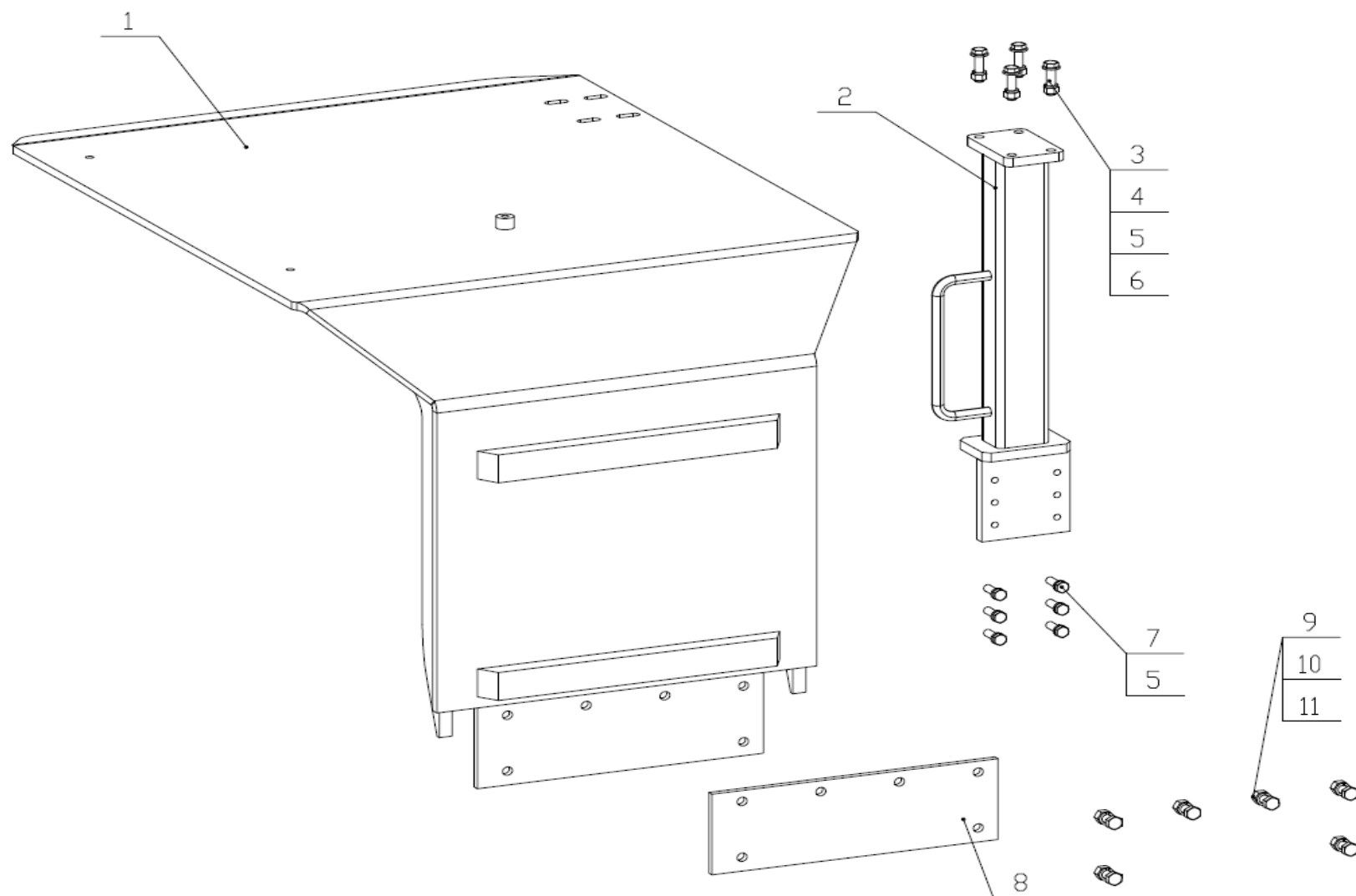


## Working device

| No. | Code       | Description                           | Quantity | Remarks |
|-----|------------|---------------------------------------|----------|---------|
| 1   | WJ1040100A | Big arm welded                        | 1        |         |
| 2   | WJ1040200A | Bucket welded                         | 1        |         |
| 3   | WJ1040300A | Rocker arm welded                     | 1        |         |
| 4   | WJ1040400A | Welding of fixing seat of guard plate | 1        |         |
| 5   | WJ10401A   | Guard plate oil tank                  | 1        |         |
| 6   | WJ10402A   | 120x66x4 Gasket                       | 4        |         |
| 7   | WJ10403A   | Big arm rear shaft copper bush        | 2        |         |
| 8   | WJ10404A   | 120×62×5 gasket                       | 2        |         |
| 9   | WJ10405A   | Tipper cylinder rear shaft pin shaft  | 2        |         |
| 10  | WJ10406A   | Lifting cylinder upper shaft          | 1        |         |
| 11  | WJ1040500A | Boom front shaft welding              | 1        |         |
| 12  | WJ10407A   | 100x66x6 Gasket                       | 2        |         |
| 13  | WJ10408A   | Bronze bushing for front axle of boom | 2        |         |
| 14  | WJ10409A   | 100x51x4 Gasket                       | 1        |         |
| 15  | WJ10410A   | Rocker arm rear shaft                 | 1        |         |
| 16  | WJ10411A   | Rocker arm rear shaft copper sleeve   | 1        |         |

| No. | Code       | Description                               | Quantity | Remarks        |
|-----|------------|-------------------------------------------|----------|----------------|
| 17  | WJ10412A   | Front axle of rocker arm                  | 1        |                |
| 18  | WJ10413A   | Rocker arm front shaft pressing plate     | 1        |                |
| 19  | WJ10414A   | Bronze bushing for rocker arm front shaft | 1        |                |
| 20  | 5001120251 | Hexagon bolt M12x25                       | 8        | GBT5783-2000   |
| 21  | 5018000120 | Flat washer 12                            | 8        | GBT95-2002     |
| 22  | 5020000003 | Straight-through oil cup M10x1            | 6        | JBT7940.1-1995 |
| 23  | 5006480202 | Hexagon nut with fine thread M48×2        | 2        | GBT6171-2000   |
| 24  | 5013320320 | Split pin 3.2×32                          | 2        | GBT91-2000     |
| 25  | 5001120401 | Hexagon bolt M12x40                       | 3        | GBT5783-2000   |
| 26  | 5019000120 | Large washer 12                           | 1        | GBT96.2-2002   |
| 27  |            |                                           |          |                |

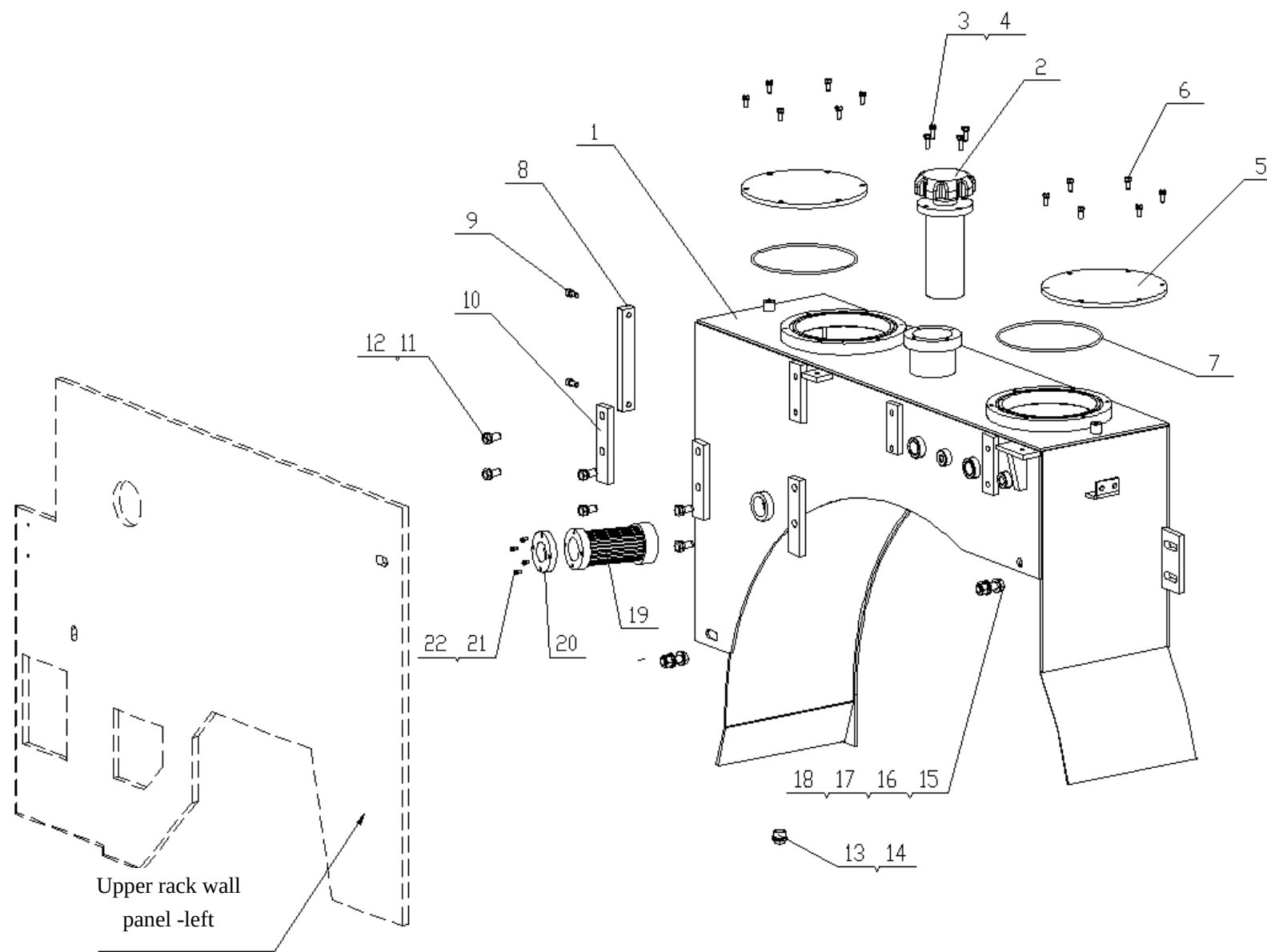
## Cab assembly



## Cab assembly

| No. | Code       | Description         | Quantity | Remarks       |
|-----|------------|---------------------|----------|---------------|
| 1   | WJ1080100A | Cab ceiling welding | 1        |               |
| 2   | WJ1080200A | Support beam welded | 1        |               |
| 3   | 5002120501 | hexagon bolt M12x50 | 4        | GB/T5782-2000 |
| 4   | 5018000120 | Flat washer 12      | 4        | GB/T 95-85    |
| 5   | 5010000120 | Spring washer 12    | 10       | GB/T 93-1987  |
| 6   | 5005120001 | Hexagon nut M12     | 4        | GB/T6170-2000 |
| 7   | 5002120351 | Hexagon bolt M12x35 | 6        | GB/T5782-2000 |
| 8   | WJ10801A   | Cushion             | 1        |               |
| 9   | 5002140401 | Hexagon bolt M14x40 | 6        | GB/T5782-2000 |
| 10  | 5010000140 | Spring washer 14    | 6        | GB/T 93-1987  |
| 11  | 5005140001 | Hexagonal nut M14   | 6        | GB/T6170-2000 |
|     |            |                     |          |               |

# Hydraulic oil tank assembly

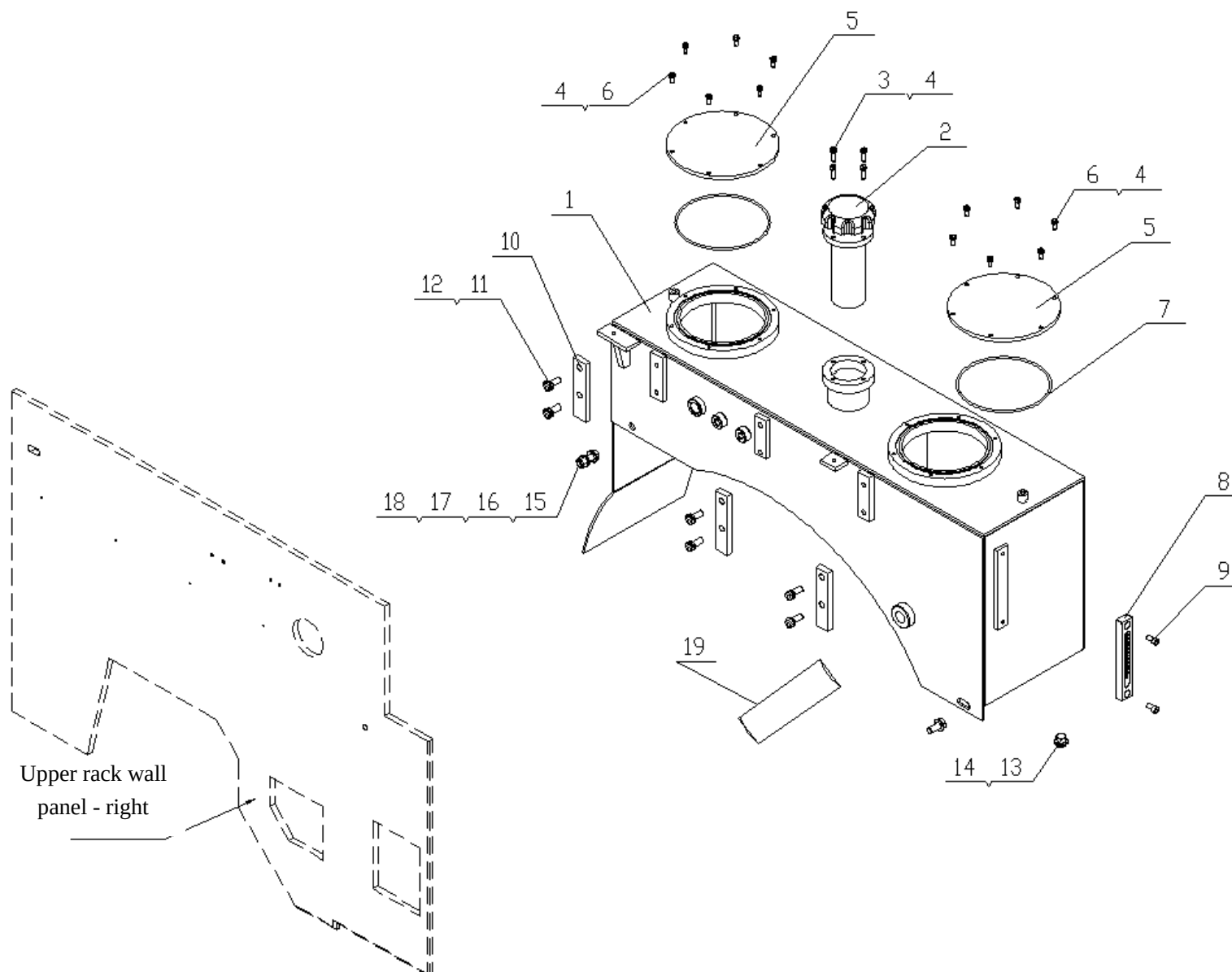


## Hydraulic oil tank assembly

| No. | Code         | Description                                | Quantity | Remarks        |
|-----|--------------|--------------------------------------------|----------|----------------|
| 1   | WJ109040100A | Working hydraulic tank welded              | 1        |                |
| 2   | WJ1090404A   | Air cleaner EF5-65                         | 1        | Purchase parts |
| 3   | 5001080301   | Hexagon bolt M8x30                         | 4        | GB/T 5783-2000 |
| 4   | 5010000080   | Spring washer 8                            | 16       | GB/T 93-1987   |
| 5   | WJ1090401A   | Oil tank cover plate                       | 2        |                |
| 6   | 5001080251   | Hexagon bolt M8x25                         | 12       | GB/T 5783-2000 |
| 7   | 5015532180   | O-ring 218x5.3                             | 2        | GB/T3452.1-92  |
| 8   | WJ1090405A   | Liquid level meter components YWJ-200T     | 1        |                |
| 9   | 5007100201   | Inner hexagon socket bolt M10x20           | 2        | GB/T 70.1-2000 |
| 10  | WJ1090403A   | Tank mounting plate                        | 3        |                |
| 11  | 5001140301   | Hexagon bolt M14x30                        | 6        | GB/T 5783-2000 |
| 12  | 5010000140   | Spring washer 14                           | 6        | GB/T 93-1987   |
| 13  | 5027140150   | Screw plug M24x1.5                         | 1        | JB/T1000-77    |
| 14  | 5024000240   | Seal washer 24                             | 1        | JB/T982-77     |
| 15  | 5002160501   | Hexagon bolt M16x50                        | 2        | GB/T5782-2000  |
| 16  | 5018000160   | Flat washer 16                             | 4        | GB/T 95-85     |
| 17  | 5010000160   | Spring washer 16                           | 2        | GB/T 93-1987   |
| 18  | 5005160001   | Hexagon nut M16                            | 2        | GB/T6170-2000  |
| 19  | WJ1090406A   | Work oil suction filter WU-250×80          | 1        | Purchase parts |
| 20  | WJ1090402A   | Fixing plate of oil suction filter element | 1        |                |
| 21  | 5001060251   | Hexagon bolt M6x25                         | 4        | GB/T 5783-2000 |
| 22  | 5010000060   | Spring washer 6                            | 4        | GB/T 93-1987   |



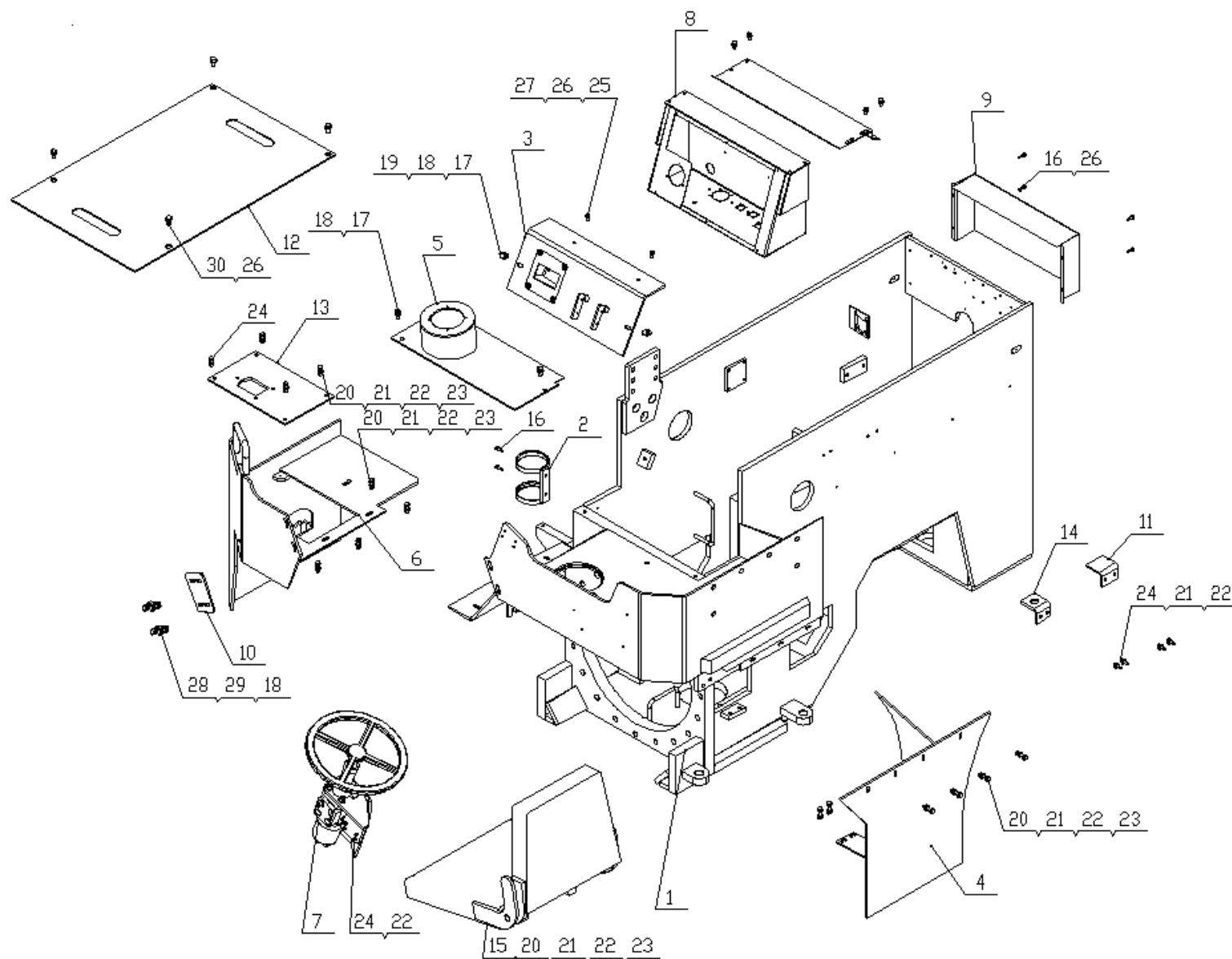
## Hydrostatic oil tank assembly



## Hydrostatic oil tank assembly

| No. | Code         | Description                               | Quantity | Remarks        |
|-----|--------------|-------------------------------------------|----------|----------------|
| 1   | WJ109050100A | Hydrostatic oil tank welded               | 1        |                |
| 2   | WJ1090404A   | Air cleaner EF5-65                        | 1        |                |
| 3   | 5001080301   | Hexagon bolt M8x30                        | 4        | GB/T 5783-2000 |
| 4   | 5010000080   | Spring washer 8                           | 16       | GB/T 93-1987   |
| 5   | WJ1090401A   | Fuel tank cap                             | 2        |                |
| 6   | 5001080251   | Hexagon bolt M8x25                        | 12       | GB/T 5783-2000 |
| 7   | 5015532180   | O-ring 218x5.3                            | 2        | GB/T3452.1-92  |
| 8   | WJ1090405A   | Liquid level meter components<br>YWJ-200T | 1        |                |
| 9   | 5007100201   | Inner hexagon socket bolt M10x20          | 2        | GB/T 70.1-2000 |
| 10  | WJ1090403A   | Tank mounting plate                       | 3        |                |
| 11  | 5001140301   | Hexagon bolt M14x30                       | 6        | GB/T 5783-2000 |
| 12  | 5010000140   | Spring washer 14                          | 6        | GB/T 93-1987   |
| 13  | 5027240150   | Screw plug M24x1.5                        | 1        | JB1000-77      |
| 14  | 5024000240   | Seal washer 24                            | 1        | JB982-77       |
| 15  | 5002160501   | Hexagon bolt M16x50                       | 2        | GB/T5782-2000  |
| 16  | 5018000160   | Flat washer 16                            | 4        | GB/T 95-85     |
| 17  | 5010000160   | Spring washer 16                          | 2        | GB/T 93-1987   |
| 18  | 5005160001   | Hexagon nut M16                           | 2        | GB/T6170-2000  |
| 19  | WJ1090501A   | Traveling oil suction filter XU-100×80    |          |                |

## Upper frame assembly of rear axle

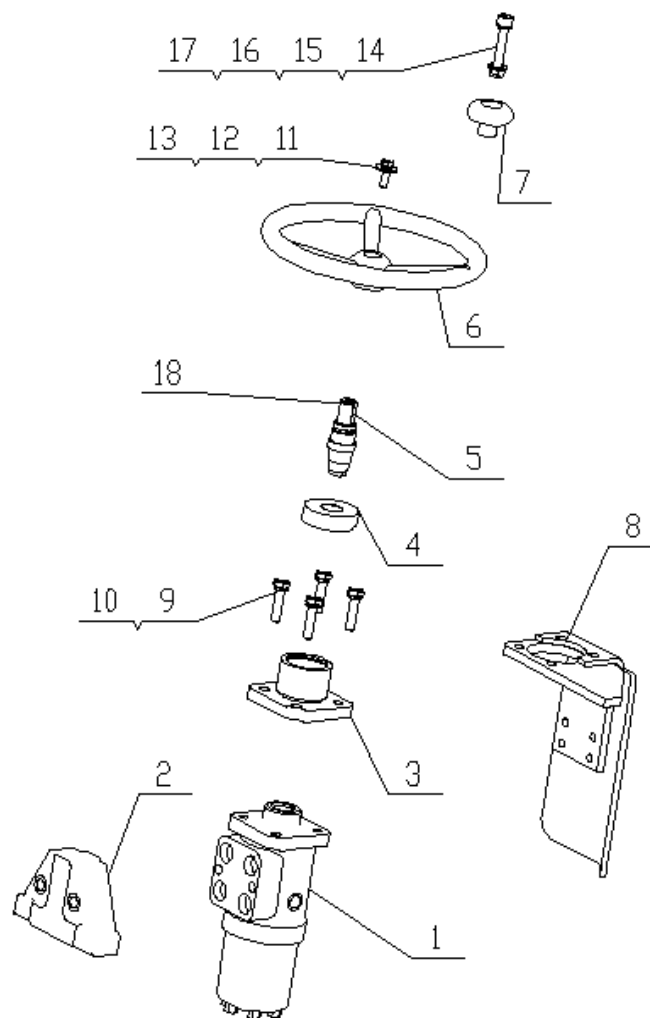


## Upper frame assembly of rear axle

| No. | Code       | Description                                  | Quantity | Remarks       |
|-----|------------|----------------------------------------------|----------|---------------|
| 1   | WJ1110100A | Welding of upper frame of rear axle          | 1        |               |
| 2   | WJ1110200A | Fire extinguisher bracket                    | 1        |               |
| 3   | WJ1110300A | Instrument box base plate assembly weldment  | 1        |               |
| 4   | WJ1110400A | Multi-way valve shield welded                | 1        |               |
| 5   | WJ1110500A | pilot seat welded                            | 1        |               |
| 6   | WJ1110600A | Cab right shroud                             | 1        |               |
| 7   | WJ1110700A | Steering assembly                            | 1        |               |
| 8   | WJ1070300A | Instrument box assembly                      | 1        |               |
| 9   | WJ1070400B | Welding of electrical protective cover       | 1        |               |
| 10  | WJ11101A   | Support plate of guard plate                 | 1        |               |
| 11  | WJ11102A   | Fixed plate of one-way throttle valve        | 1        |               |
| 12  | WJ11103A   | Upper cover plate                            | 1        |               |
| 13  | WJ11104A   | Linde pump hydraulic control base plate      | 1        |               |
| 14  | WJ11105A   | Mounting plate of transfer case filling port | 1        |               |
| 15  | WJ11106A   | Seat assembly                                | 1        |               |
| 16  | 5007060161 | Socket head cap bolt M6x16                   | 6        | GB/T70.1-2008 |
| 17  | 5001100201 | Hexagon bolt M10x20                          | 4        | GB/T5783-2000 |
| 18  | 5018000100 | Flat washer 10                               | 12       | GB/T 95-85    |

| No. | Code       | Description         | Quantity | Remarks |               |
|-----|------------|---------------------|----------|---------|---------------|
| 19  | 5010000100 | Spring washer 10    |          | 2       | GB/T 93-1987  |
| 20  | 5001080301 | Hexagon bolt M8x30  |          | 16      | GB/T5783-2000 |
| 21  | 5018000080 | Flat washer 8       |          | 36      | GB/T 95-2002  |
| 22  | 5010000080 | Spring washer 8     |          | 26      | GB/T 93-1987  |
| 23  | 5005080001 | Hexagon nut M8      |          | 18      | GB/T6170-2000 |
| 24  | 5001080201 | Hexagon bolt M8x20  |          | 10      | GB/T5783-2000 |
| 25  | 5001080251 | Hexagon bolt M8x25  |          | 2       | GB/T5783-2000 |
| 26  | 5010000080 | Spring washer 8     |          | 10      | GB/T 93-1987  |
| 27  | 5018000080 | Flat washer 8       |          | 2       | GB/T 95-2002  |
| 28  | 5001100301 | Hexagon bolt M10x30 |          | 4       | GB/T5783-2000 |
| 29  | 5005100001 | Hexagon nut M10     |          | 4       | GB/T6170-2000 |
| 30  | 5001060161 | Hexagon bolt M6x16  |          | 4       | GB/T5783-2000 |
|     |            |                     |          |         |               |
|     |            |                     |          |         |               |

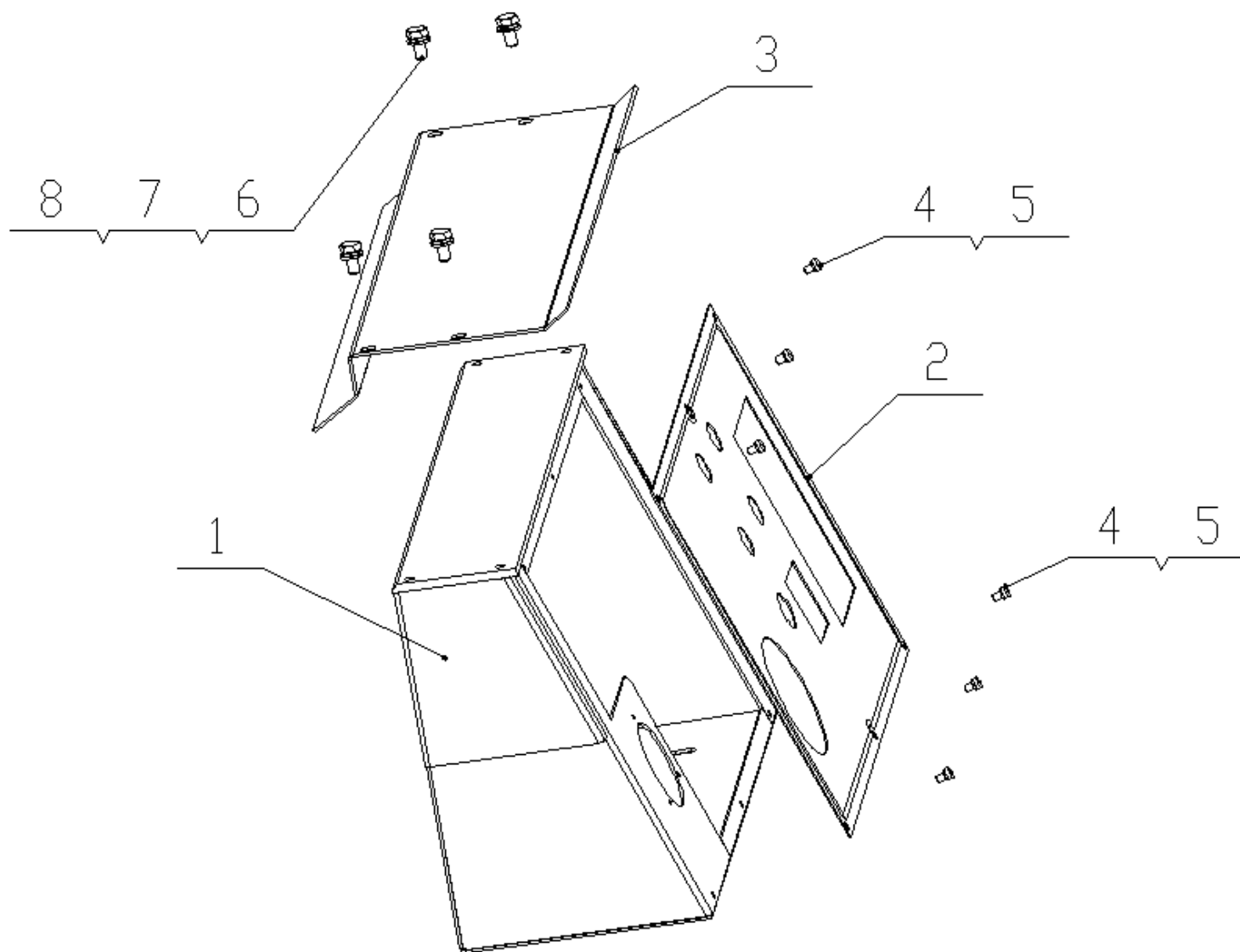
## Steering assembly



## Steering assembly

| No. | Code           | Description                         | Quantity | Remarks        |
|-----|----------------|-------------------------------------|----------|----------------|
| 1   | WJ1110701A     | Steering gear BZZ5-E630             | 1        |                |
| 2   | WJ1110702A     | FKAR2-1620G combination valve block | 1        |                |
| 3   | WJ111070100A   | Steering gear sleeve                | 1        |                |
| 4   | WJ1110703A     | Dust cover                          | 1        |                |
| 5   | WJ1110704A     | Steering shaft                      | 1        |                |
| 6   | JB/T 7273.4-94 | Corrugated hand wheel B-18×250      | 1        | Standard parts |
| 7   | WJ1110705A     | Handle ball                         | 1        |                |
| 8   | WJ111070200A   | Steering gear support welding       | 1        |                |
| 9   | 5001100401     | Hexagon bolt M10x40                 | 4        | GB/T5783-2000  |
| 10  | 5010000100     | Spring washer 10                    | 4        | GB/T 93-1987   |
| 11  | 5001080251     | Hexagon bolt M8x25                  | 1        | GB/T5783-2000  |
| 12  | 5010000080     | Spring washer 8                     | 1        | GB/T 93-1987   |
| 13  | 5019000080     | Large washer 8                      | 1        | GB/T 96.2-2002 |
| 14  | 5007100601     | Inner hexagon socket bolt M10x60    | 1        | GB/T70.1-2000  |
| 15  | 5010000100     | Spring washer 10                    | 1        | GB/T 93-1987   |
| 16  | 5018000100     | Flat washer 10                      | 1        | GB/T 95-2002   |
| 17  | 5005100001     | Hexagon nut M10                     | 1        | GB/T6170-2000  |
| 18  | 5040060220     | Flat key C6×22                      | 1        | GB/T 1096-79   |

## Instrument box assembly

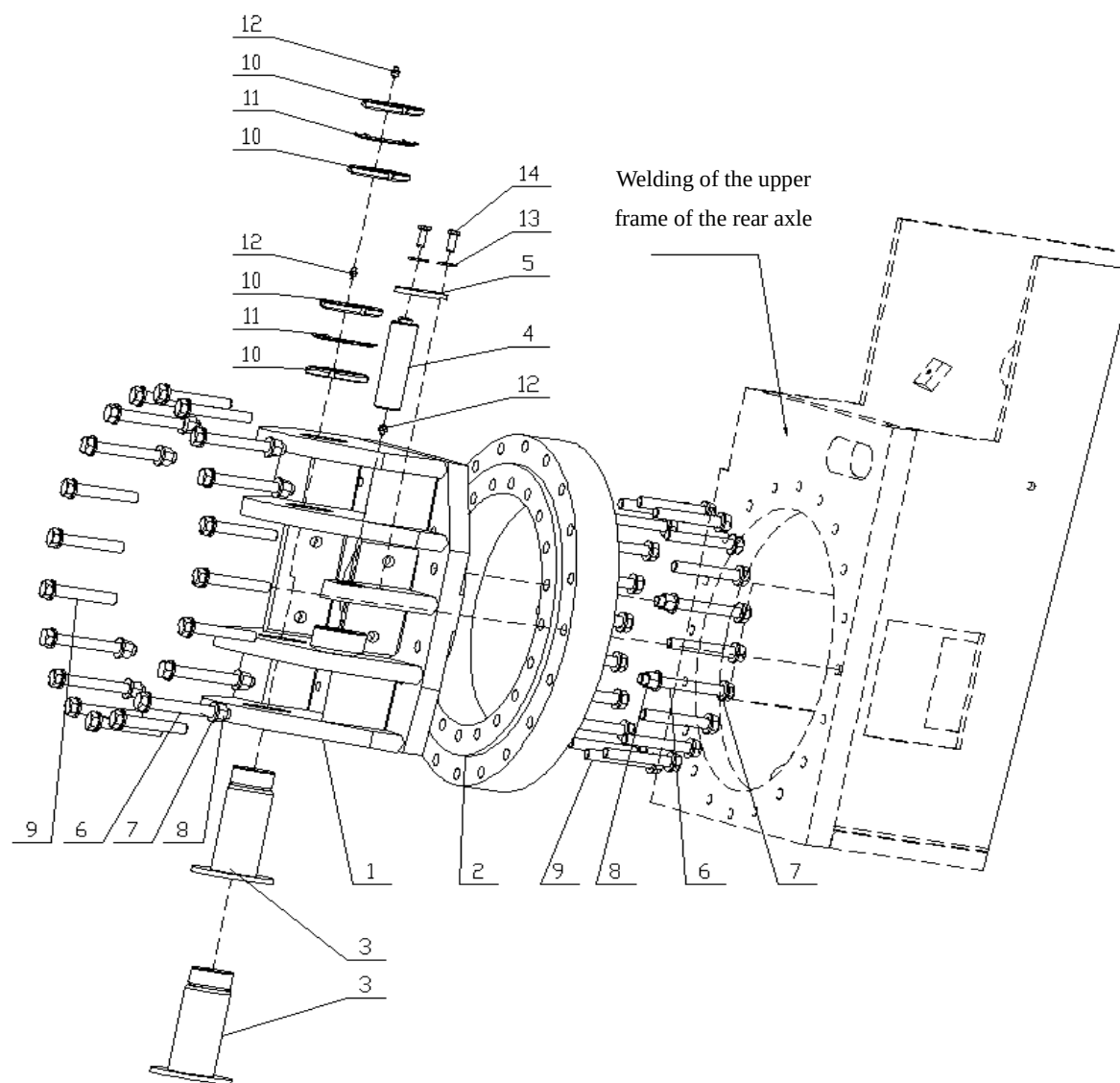




## Instrument box assembly

| No. | Code         | Description                        | Quantity | Remarks       |
|-----|--------------|------------------------------------|----------|---------------|
| 1   | WJ107030100B | Instrument box welded              | 1        |               |
| 2   | WJ1070301B   | Dashboard panel                    | 1        |               |
| 3   | WJ1070302A   | Waterproof cover plate             | 1        |               |
| 4   | 5035050080   | Cross recessed pan head screw M5x8 | 6        | GB/T818-2000  |
| 5   | 5010000050   | Spring washer 5                    | 6        | GB/T93-1987   |
| 6   | 5001080161   | Hexagon bolt M8x16                 | 4        | GB/T5783-2000 |
| 7   | 5018000080   | Flat washer 8                      | 4        | GB/T 95-2002  |
| 8   | 5010000080   | Spring washer 8                    | 4        | GB/T 93-1987  |
|     |              |                                    |          |               |

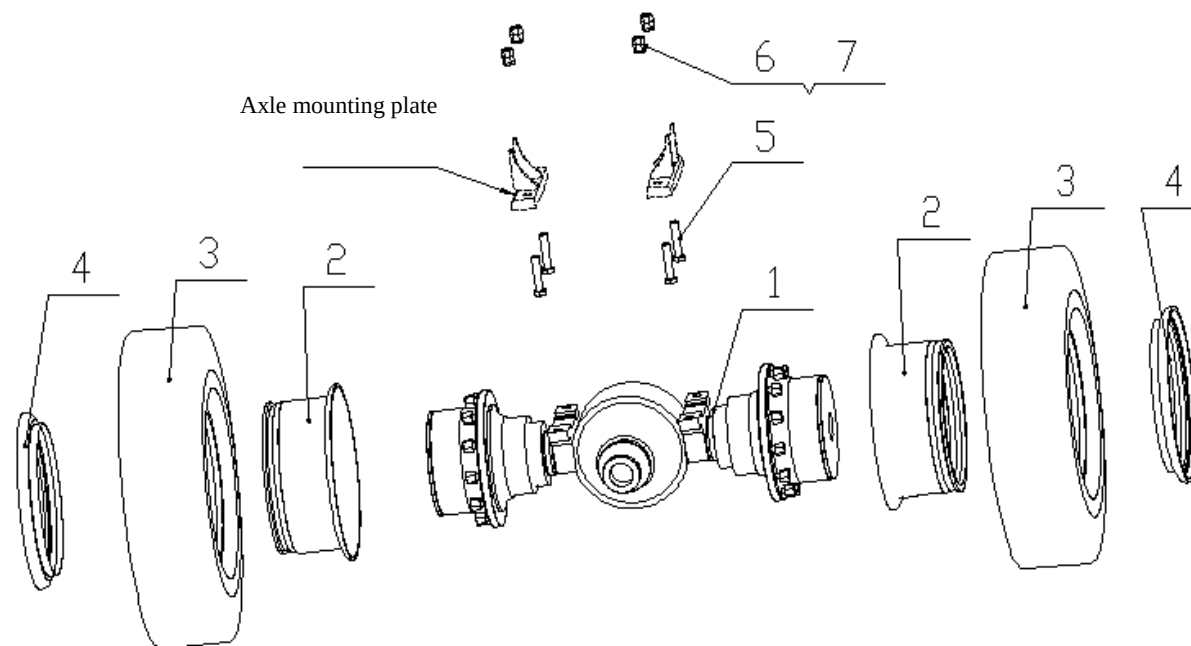
## Swing body assembly



## Swing body assembly

| No. | Code       | Description                                                | Quantity | Remarks         |
|-----|------------|------------------------------------------------------------|----------|-----------------|
| 1   | WJ1150100A | Oscillating body welded                                    | 1        |                 |
| 2   | WJ11501A   | Single row four point contact slewing support 010, 30, 500 | 1        | Purchased parts |
| 3   | WJ1150200A | Intermediate articulated shaft welded                      | 2        |                 |
| 4   | WJ11502A   | Steering rear shaft                                        | 1        |                 |
| 5   | WJ11503A   | Steering rear shaft pressing plate                         | 1        |                 |
| 6   | 5003181401 | Hexagon bolts fin thread M18x2- 140                        | 13       | GBT5785-2000    |
| 7   | 5017000180 | Flat washer 18                                             | 53       | GBT97.2-2002    |
| 8   | 5006180201 | Hexagon nut with fine thread 18x2                          | 13       | GBT6171-2000    |
| 9   | 5003181101 | Hexagon bolts fin thread M18x2- 110                        | 27       | GBT5785-2000    |
| 10  | 5022000640 | Round nut M64×2                                            | 4        | GBT812-1988     |
| 11  | 5023000640 | Stop washers for round nut 64                              | 2        | GBT858-1988     |
| 12  | 5020000003 | Straight-through oil cup M10x1                             | 3        | GBT7940.1-1995  |
| 13  | 5019000100 | Large washer 10                                            | 2        | GBT96.2-2002    |
| 14  | 5001100301 | Hexagon bolt M10x30                                        | 2        | GBT5783-2000    |

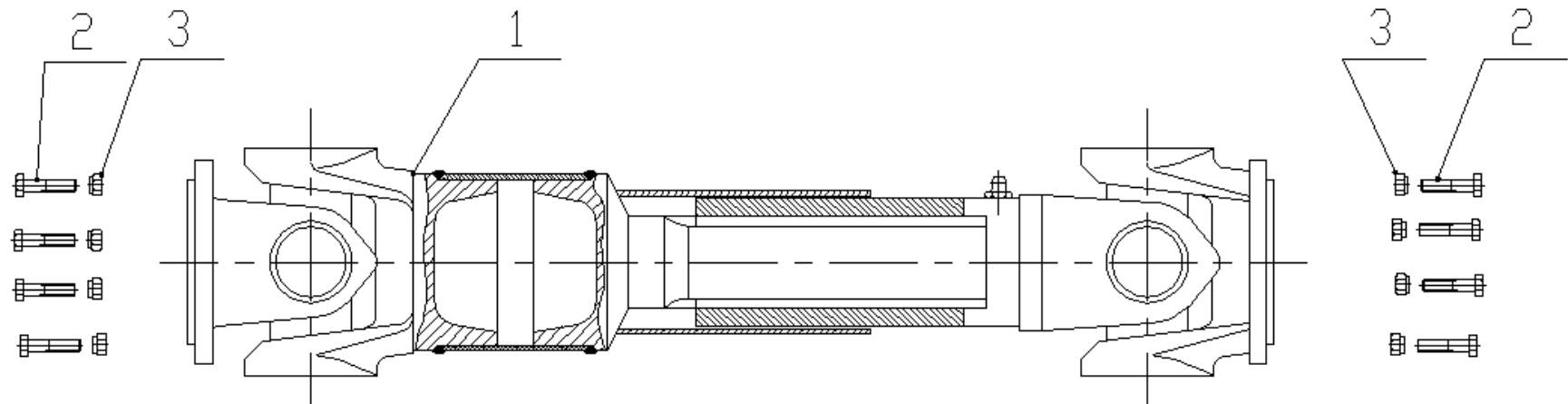
## Axle assembly



## Axle assembly

| No. | Code       | Description                      | Quantity | Remarks       |
|-----|------------|----------------------------------|----------|---------------|
| 1   | WJ1060100A | Drive axle                       | 2        |               |
| 2   | WJ1060200A | Wheel hub                        | 4        |               |
| 3   | WJ10601A   | Tyre                             | 4        |               |
| 4   | GB2883-81  | Wheel stopper (rim press) 7.5-20 | 4        |               |
| 5   | 5003241201 | Bolt M24X2X120                   | 8        | GB/T5785-2000 |
| 6   | 5010000240 | Spring washer 24                 | 8        | GB/T93-87     |
| 7   | 5006240201 | Nut M24x2                        | 16       | GB/T6171-2000 |
|     |            |                                  |          |               |
|     |            |                                  |          |               |

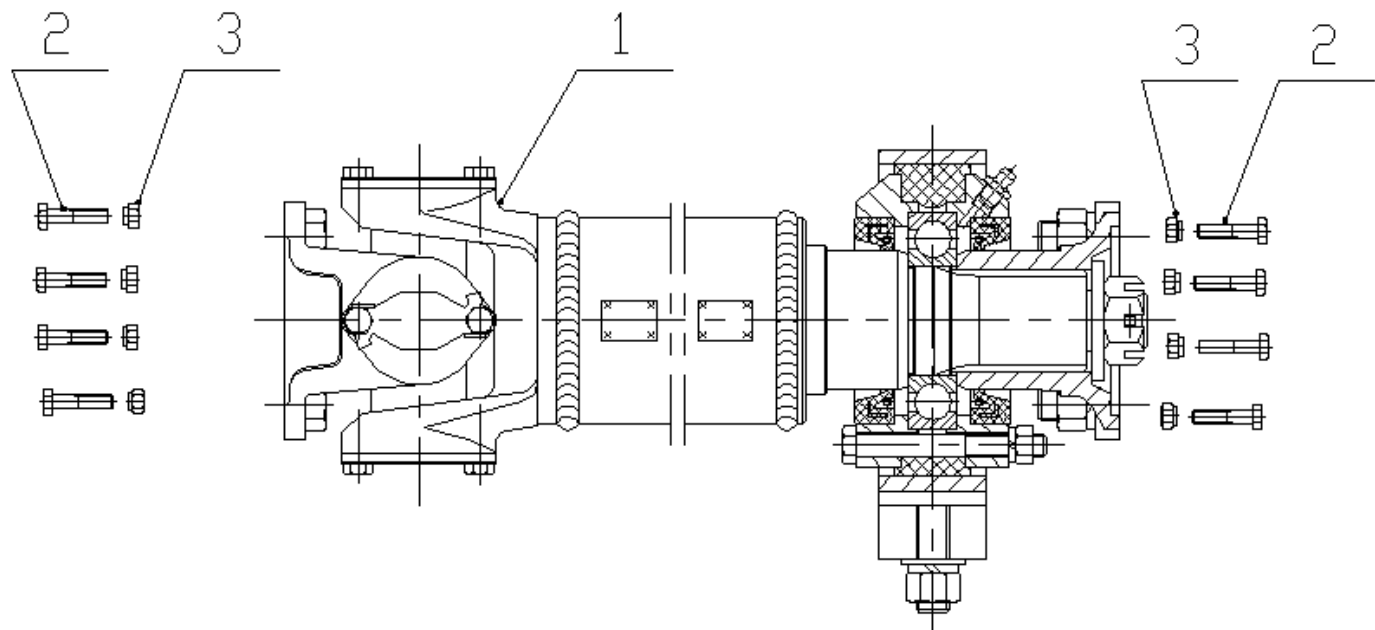
Intermediate drive shaft tube assembly



Intermediate drive shaft tube assembly

| No. | Code       | Description                            |  | Quantity | Remarks        |
|-----|------------|----------------------------------------|--|----------|----------------|
| 1   | WJ1060300A | Intermediate drive shaft tube assembly |  | 1        |                |
| 2   | 5003100401 | Bolt M10X1.25X40                       |  | 8        | GB/T5785-2000  |
| 3   | 5016000102 | Lock nut M10X1.25                      |  | 8        | GB/T889.1-2000 |
|     |            |                                        |  |          |                |
|     |            |                                        |  |          |                |

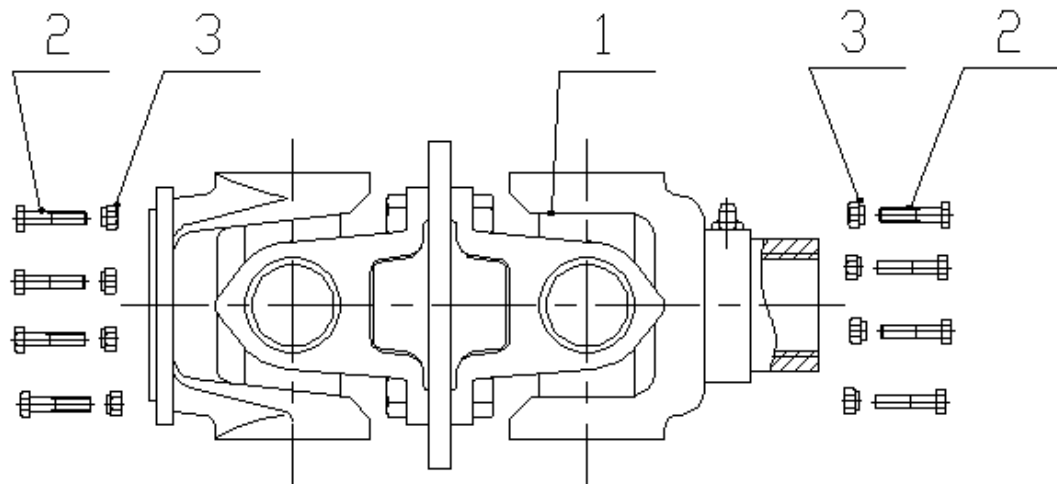
Front driveshaft tube assembly



Front driveshaft tube assembly

| No. | Code       | Description                    | Quantity | Remarks        |
|-----|------------|--------------------------------|----------|----------------|
| 1   | WJ1060400A | Front driveshaft tube assembly | 1        |                |
| 2   | 5003100401 | Bolt M10X1.25X40               | 8        | GB/T5785-2000  |
| 3   | 5016000102 | Lock nut M10X1.25              | 8        | GB/T889.1-2000 |
|     |            |                                |          |                |

Rear driveshaft tube assembly

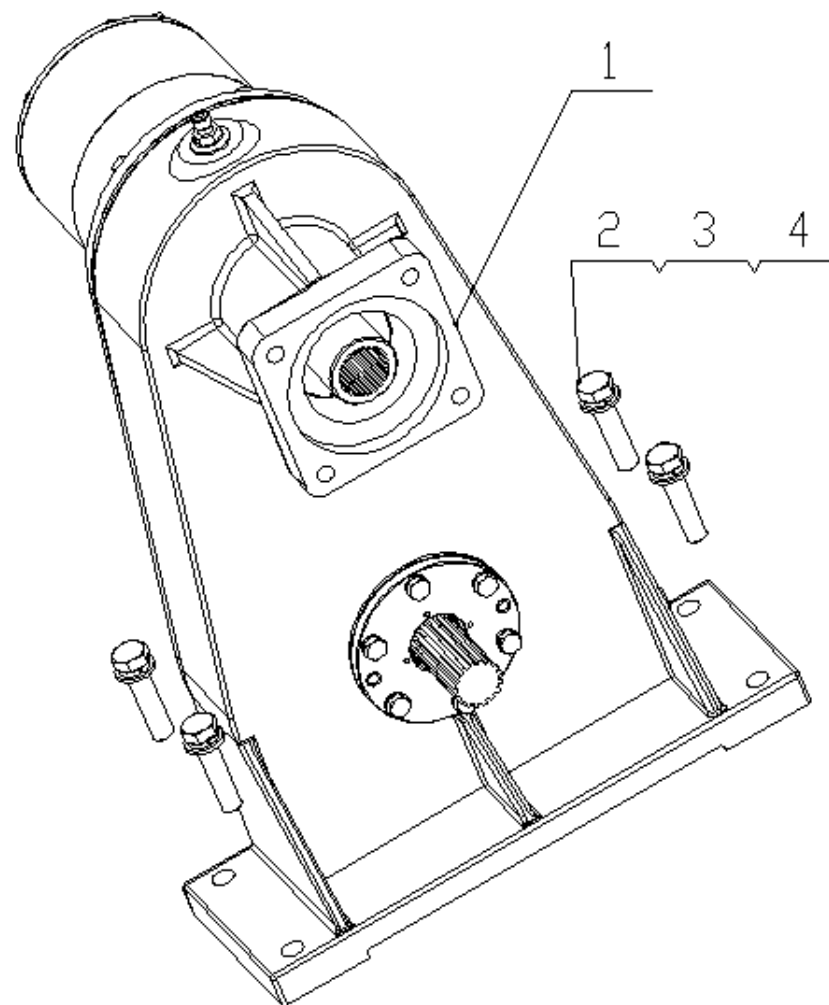


Rear driveshaft tube assembly

| No. | Code       | Description                   | Quantity | Remarks        |
|-----|------------|-------------------------------|----------|----------------|
| 1   | WJ1060500A | Rear driveshaft tube assembly | 1        |                |
| 2   | 5003100401 | Bolt M10X1.25X40              | 8        | GB/T5785-2000  |
| 3   | 5016000102 | Lock nut M10X1.25             | 8        | GB/T889.1-2000 |
|     |            |                               |          |                |
|     |            |                               |          |                |



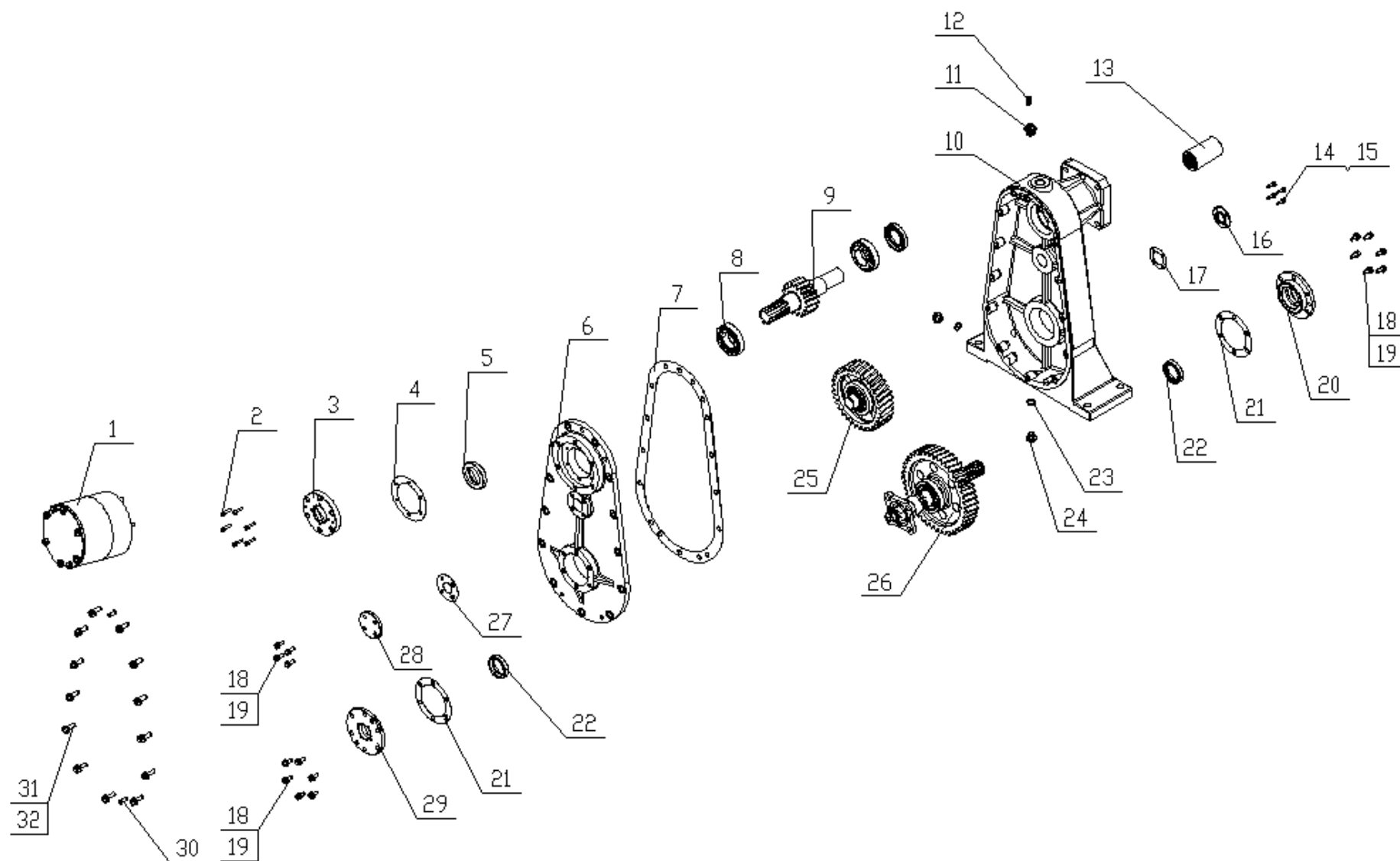
## Transfer case mounting



## Transfer case mounting

| No. | Code       | Description      | Quantity | Remarks       |
|-----|------------|------------------|----------|---------------|
| 1   | WJ1060600A | Transfer case    | 1        |               |
| 2   | 5002160701 | Bolt M16X70      | 4        | GB/T5782-2000 |
| 3   | 5018000160 | Flat washer 16   | 4        | GB/T95-2002   |
| 4   | 5010000160 | Spring washer 16 | 4        | GB/T93-87     |
|     |            |                  |          |               |

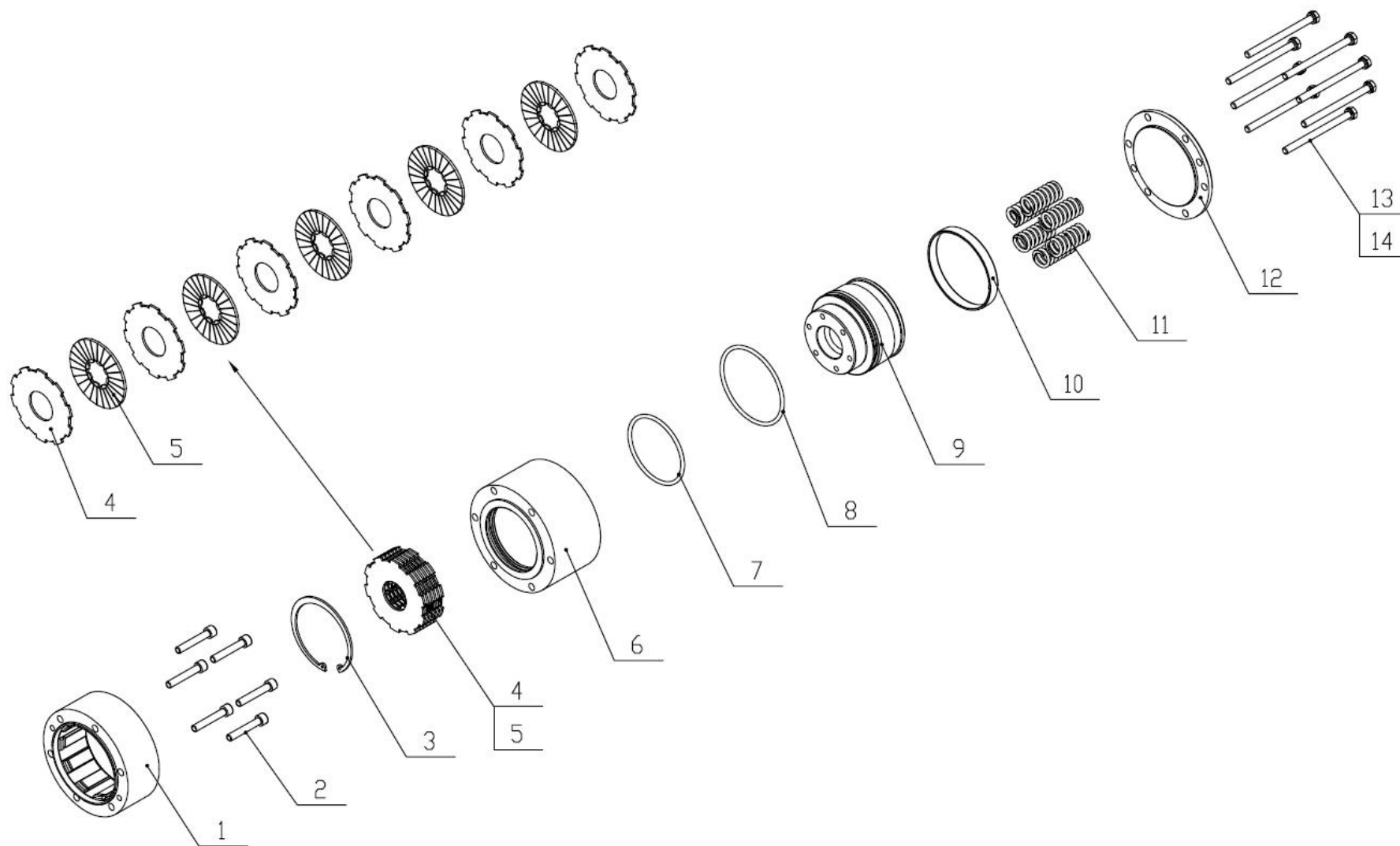
## Transfer case assembly



## Transfer case assembly

| No. | Code         | Description                         | Quantity | Remarks       |
|-----|--------------|-------------------------------------|----------|---------------|
| 1   | WJ106060100A | Clutch assembly                     | 1        |               |
| 2   | 5007060251   | Inner hexagon socket bolt M6x25     | 6        | GB/T70.1-2000 |
| 3   | WJ1060604A   | Bearing cap                         | 1        |               |
| 4   | WJ1060603A   | Paper gasket                        | 1        |               |
| 5   | 5014120450   | Oil seal SG45x75x12                 | 2        | HG4-692-67    |
| 6   | WJ1060601A   | Transfer case cover                 | 1        |               |
| 7   | WJ1060616A   | Paper gasket                        | 1        |               |
| 8   | 5026000453   | Tapered roller bearing 33209        | 2        | GB/T297-94    |
| 9   | WJ1060605A   | Shaft gear                          | 1        |               |
| 10  | WJ1060625A   | Transfer case body                  | 1        |               |
| 11  | WJ1060602A   | Respirator seat                     | 1        |               |
| 12  | WJ1060608A   | Vent valve                          | 1        |               |
| 13  | WJ1060614A   | Spline connection set               | 1        |               |
| 14  | 5002060201   | Hexagon bolt M6x20                  | 4        | GB/T5782-2000 |
| 15  | 5010000060   | Spring washer 6                     | 4        | GB/T 93-1987  |
| 16  | WJ1060622A   | End cap                             | 1        |               |
| 17  | WJ1060623A   | Paper gasket                        | 1        |               |
| 18  | 5002080201   | Hexagon bolt M8x20                  | 16       | GB/T5782-2000 |
| 19  | 5010000080   | Spring washer 8                     | 16       | GB/T 93-1987  |
| 20  | WJ1060610A   | Bearing cap                         | 1        |               |
| 21  | WJ1060615A   | Paper gasket                        | 1        |               |
| 22  | 5014120420   | Oil seal SG42×62×12                 | 2        | HG4-692-67    |
| 23  | 5029160000   | Seal washer 16                      | 1        | JB1002-77     |
| 24  | 5027160150   | Screw plug 16×1.5                   | 1        | JB1000-77     |
| 25  | WJ106060300A | Intermediate gear assembly          | 1        |               |
| 26  | WJ106060400A | Large gear assembly                 | 1        |               |
| 27  | WJ1060609A   | Paper gasket                        | 1        |               |
| 28  | WJ1060606A   | End cap                             | 1        |               |
| 29  | WJ1060610A   | Bearing cap                         | 1        |               |
| 30  | 5028100352   | Cylindrical pin $\phi 10 \times 35$ | 2        | GB 119-86     |
| 31  | 5001100301   | Hexagon bolt M10x30                 | 13       | GB/T5783-2000 |
| 32  | 5010000080   | Spring washer 8                     | 13       | GB/T 93-1987  |
|     |              |                                     |          |               |

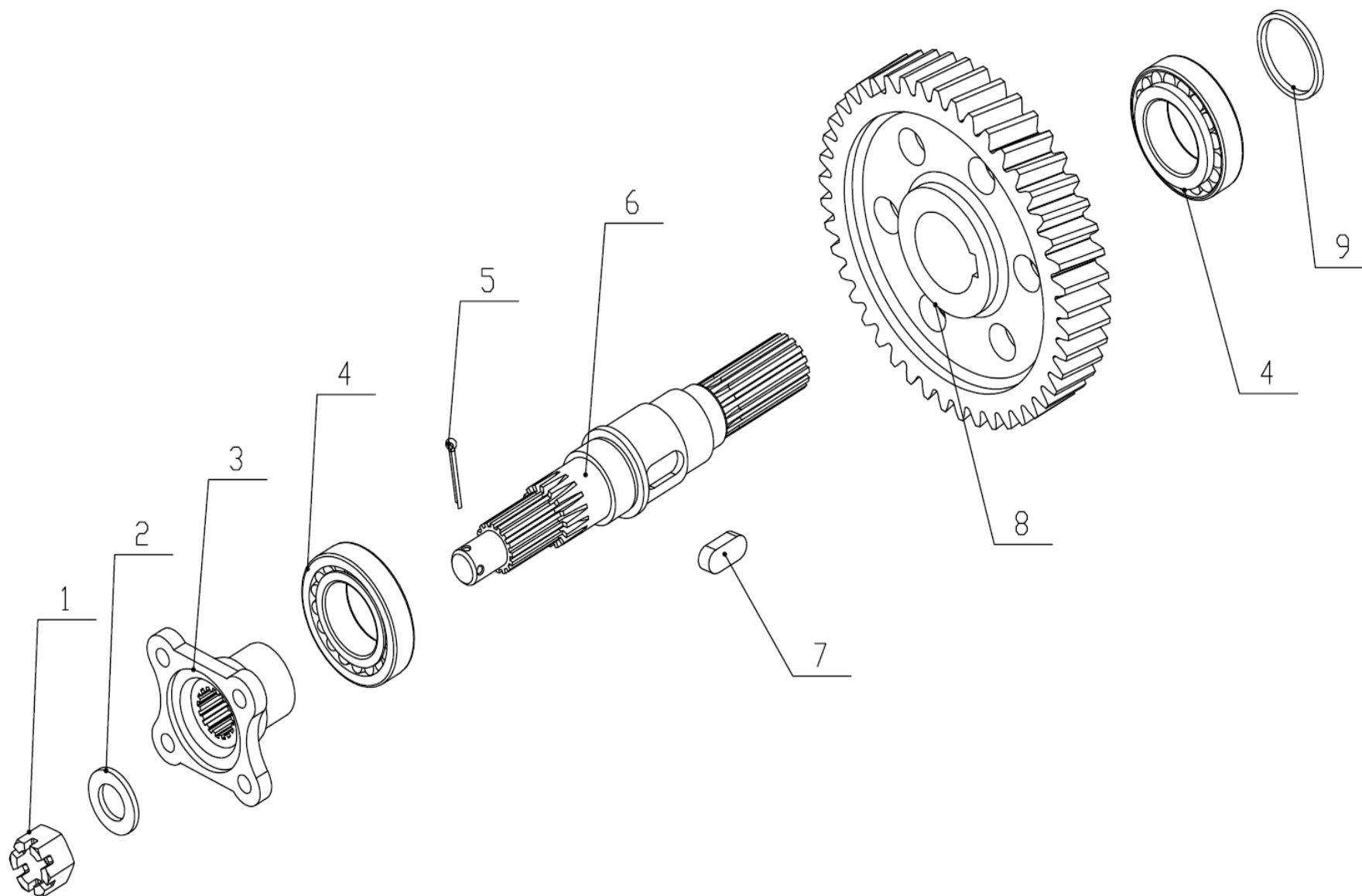
## Clutch assembly



## Clutch assembly

| No. | Code         | Description                       | Quantity | Remarks        |
|-----|--------------|-----------------------------------|----------|----------------|
| 1   | WJ106060104A | Spline sleeve                     | 1        |                |
| 2   | 5007100601   | Inner hexagon socket bolt M10x60  | 6        | GB/T70.1-2000  |
| 3   | 5012001120   | Retaining ring for hole 112       | 1        | GB/T893.1-1986 |
| 4   | WJ106060106A | Static friction plate             | 6        |                |
| 5   | WJ106060107A | Dynamic friction plate            | 5        |                |
| 6   | WJ106060102A | Cylinder liner                    | 1        |                |
| 7   | 5015531000   | O-ring rubber sealing ring100×5.3 | 1        | GB3452. 1-92   |
| 8   | 5015531150   | O-ring rubber sealing ring115×5.3 | 1        | GB3452. 1-92   |
| 9   | WJ106060103A | Piston                            | 1        |                |
| 10  | WJ106060108A | Guide ring                        | 1        |                |
| 11  | WJ106060105A | Brake spring                      | 6        |                |
| 12  | WJ106060101A | Cover plate                       | 1        |                |
| 13  | 5001101301   | Hexagon bolt M10x130              | 8        | GB/T5783-2000  |
| 14  | 5010000100   | Spring washer 10                  | 8        | GB/T 93-1987   |
|     |              |                                   |          |                |
|     |              |                                   |          |                |
|     |              |                                   |          |                |

## Large gear assembly

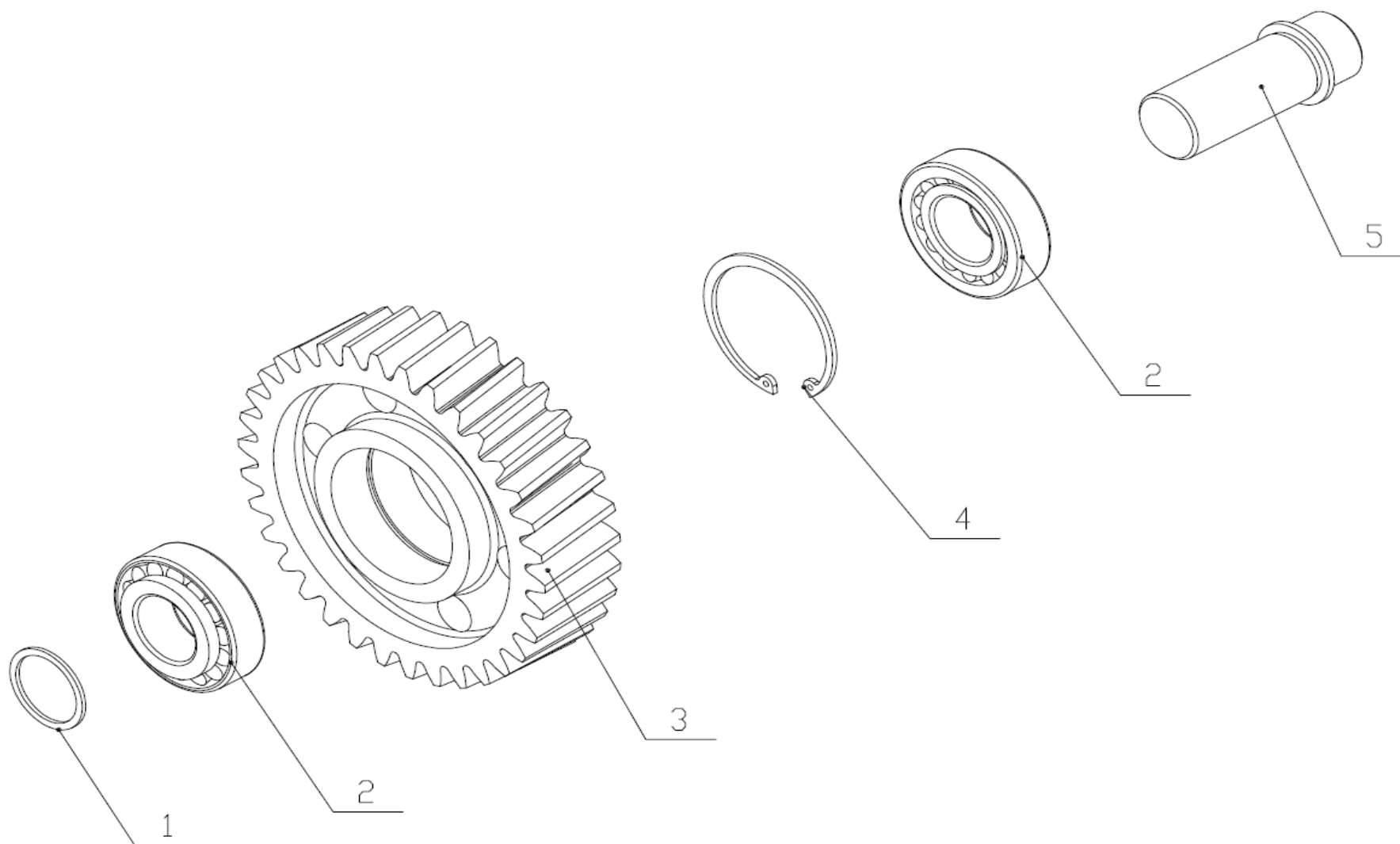


## Large gear assembly

| No. | Code       | Description                 | Quantity | Remarks      |
|-----|------------|-----------------------------|----------|--------------|
| 1   | 5030240000 | Hexagon slotted nut M24     | 1        | GB/T9459-88  |
| 2   | WJ1060612A | Washer                      | 1        |              |
| 3   | WJ1060611A | Flange                      | 1        |              |
| 4   | 5026000503 | Tapered roller bearing 7210 | 2        | GB/T297-1994 |
| 5   | 5013040360 | Split pin 4×36              | 1        | GB/T91-2000  |
| 6   | WJ1060613A | Spline shaft                | 1        |              |
| 7   | WJ1060619A | Ping Jian                   | 1        |              |
| 8   | WJ1060617A | Main gear                   | 1        |              |
| 9   | WJ1060618A | Bead flange                 | 1        |              |
|     |            |                             |          |              |
|     |            |                             |          |              |



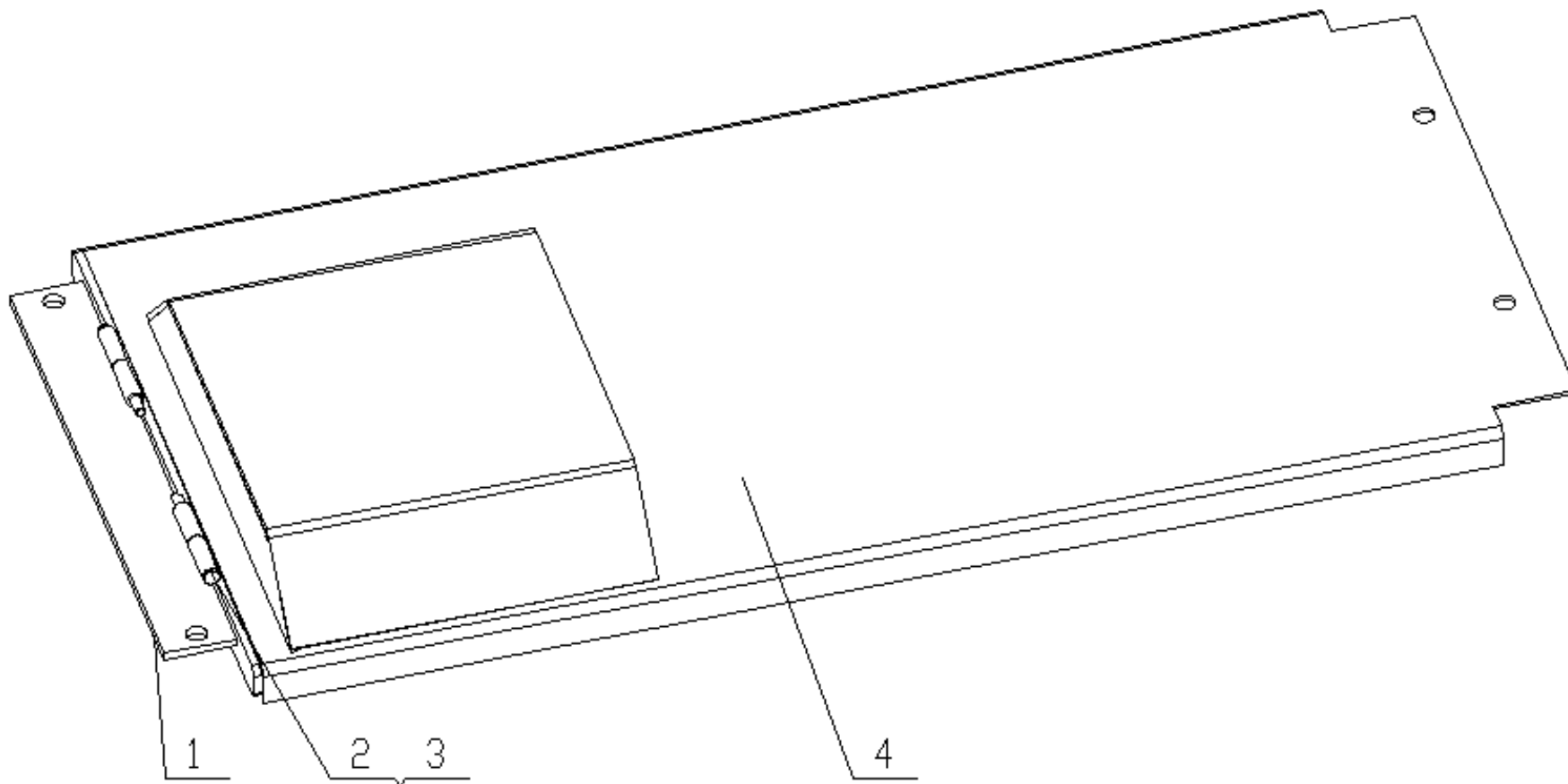
## Intermediate gear assembly



## Intermediate gear assembly

| No. | Code       | Description                 | Quantity | Remarks        |
|-----|------------|-----------------------------|----------|----------------|
| 1   | WJ1060621A | Bead flange                 | 1        |                |
| 2   | 5026000353 | Tapered roller bearing 7507 | 2        | GB/T297-1994   |
| 3   | WJ1060620A | Intermediate gear           | 1        |                |
| 4   | 5012000350 | Retaining ring for hole 35  | 1        | GB/T893.1-1986 |
| 5   | WJ1060607A | Intermediate shaft          | 1        |                |
|     |            |                             |          |                |

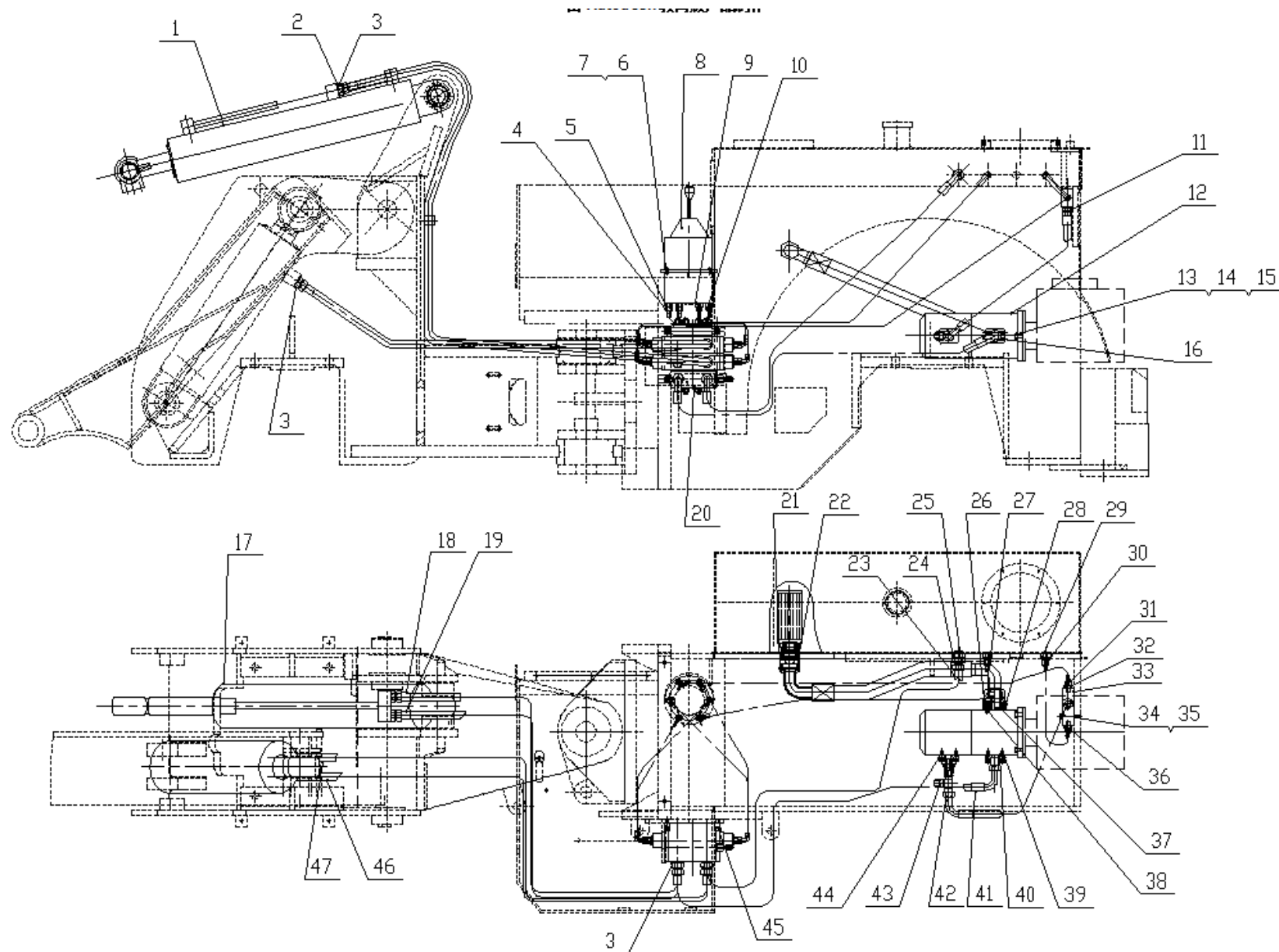
## Engine cover plate



## Engine cover plate

| No. | Code         | Description                                | Quantity | Remarks     |
|-----|--------------|--------------------------------------------|----------|-------------|
| 1   | WJ102080200A | Welding of connecting plate of cover plate | 1        |             |
| 2   | WJ1020801A   | Hinge pin shaft                            | 2        |             |
| 3   | 5013320280   | Split pin 3.2×28                           | 2        | GB/T91-2000 |
| 4   | WJ102080100B | Engine cover plate welding                 | 1        |             |
|     |              |                                            |          |             |

## Working hydraulic system

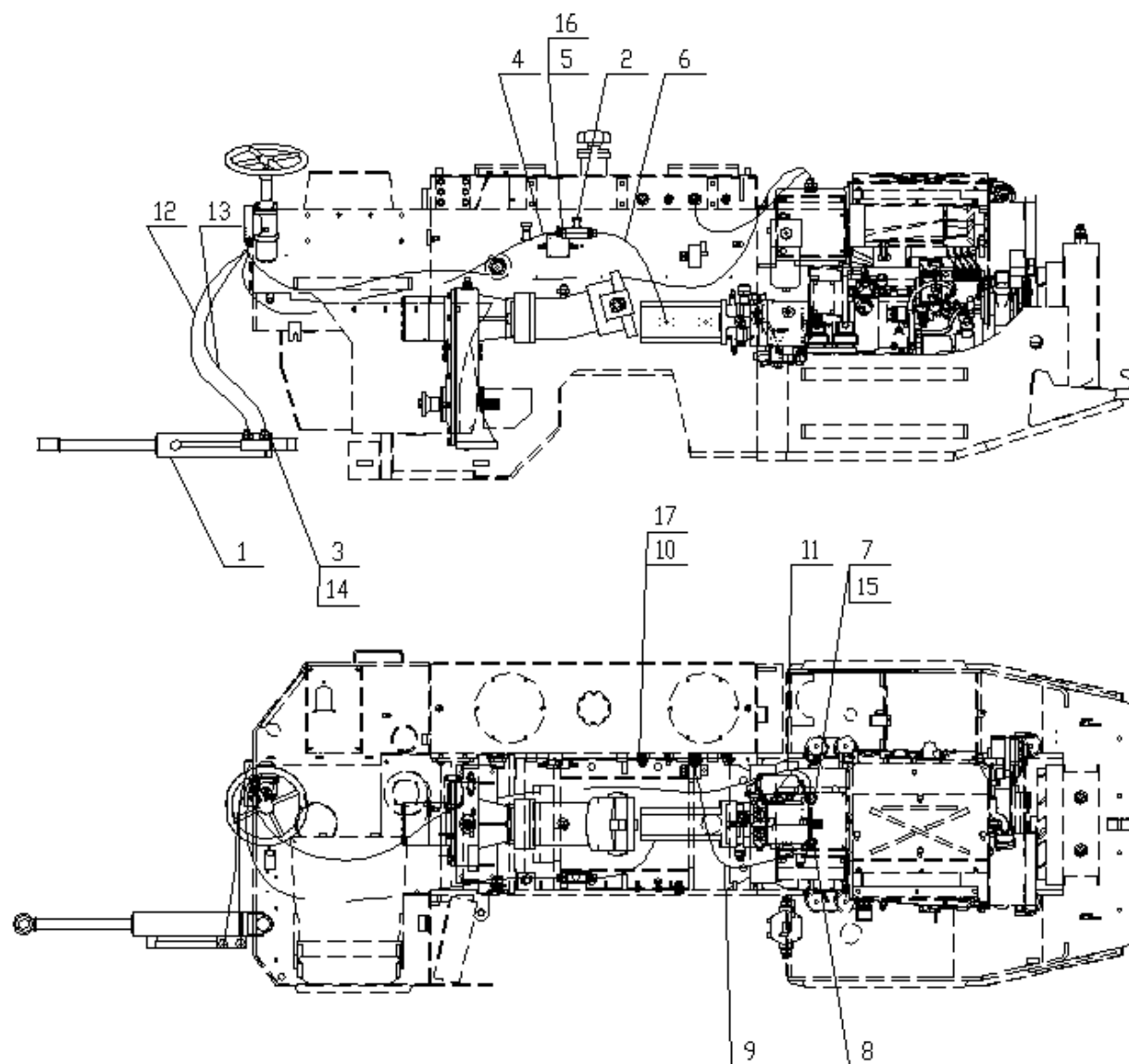


## Working hydraulic system

| No. | Code         | Description                                | Quantity | Remarks                                                          |
|-----|--------------|--------------------------------------------|----------|------------------------------------------------------------------|
| 1   | WJ105010100A | Tipping oil cylinder 63×125                | 1        |                                                                  |
| 2   | 5029270000   | Seal washer 27                             | 10       | JB/T1002-77                                                      |
| 3   | WJ1050608    | 8# nipple M27x2-M27x1.5C                   | 10       |                                                                  |
| 4   | WJ105083000  | 30# hose φ6 M14x1.5C- 1445 straight bend   | 2        | Pilot valve - multi-way directional control valves               |
| 5   | WJ1050607    | 7#pair wire G1 / 4-M14x1.5C                | 6        |                                                                  |
| 6   | 5007060161   | Socket head cap screws M6x16               | 4        | GB/T70.1-2000                                                    |
| 7   | 5010000060   | Spring washer 6                            | 4        | GB/T93-87                                                        |
| 8   | WJ105010200A | pilot valve BJS1-B3T4                      | 1        |                                                                  |
| 9   | 5029140000   | Seal washer 14                             | 7        | JB/T1002-77                                                      |
| 10  | WJ105083100  | 31# hose φ6 M14x1.5C- 1545 straight bend   | 2        | Pilot valve - multi-way directional control valves               |
| 11  | WJ1050708    | 108#pair wire M14x1.5- M22x1.5C            | 1        |                                                                  |
| 12  | WJ105010300A | Duplex pump CBQLAF-F540/F520- AFQ          | 1        |                                                                  |
| 13  | 5001120351   | Hexagon bolt M12x35                        | 2        | GB/T5783-2000                                                    |
| 14  | 5010000120   | Spring washer 12                           | 2        | GB/T93-87                                                        |
| 15  | 5018000120   | Flat washer 12                             | 2        | GB/T95-2002                                                      |
| 16  | 5003100351   | Hexagon bolt – thin thread M10×1.25×35     | 8        | GB/T5785-2000                                                    |
| 17  | WJ105010500A | Lifting cylinder 85×150                    | 1        |                                                                  |
| 18  | WJ105081400  | 14# hose φ 19 M27x1.5C- 2410 straight bend | 1        | Multi-way directional control valve - tipping oil cylinder       |
| 19  | WJ105081500  | 15# hose φ 19 M27x1.5C- 2590 straight bend | 1        | Multi-way directional control valve - tipping oil cylinder       |
| 20  | WJ105010400A | Multiple directional control valve ZL20    | 1        |                                                                  |
| 21  | WJ105084600  | 46# hose φ38 M52x2C-900 bend bend 180°     | 1        | Working hydraulic tank - duplex pump                             |
| 22  | WJ1050699    | 99# nipple M48x2- M52x2C                   | 1        |                                                                  |
| 23  | WJ105084700  | 47# hose φ19 M27x1.5C-1750 bend 0°         | 1        | Multi-way directional control valve - working hydraulic oil tank |
| 24  | 5029300000   | Seal washer 30                             | 1        | JB/T1002-77                                                      |
| 25  | WJ1050611    | 11# nipple M30x 1.5-M27x1.5C               | 1        |                                                                  |

|    |              |                                                 |  |    |                                                        |
|----|--------------|-------------------------------------------------|--|----|--------------------------------------------------------|
| 26 | 5029480000   | Seal washer 48                                  |  | 1  | JB/T1002-77                                            |
| 27 | WJ105083200  | 32# hose $\phi 6$ M14x1.5C- 1545 straight bend  |  | 1  | pilot valve - working hydraulic tank                   |
| 28 | WJ105010900A | Diesel shovel duplex pump inlet flange          |  | 1  |                                                        |
| 29 | 5029180000   | Seal washer 18                                  |  | 1  | JB/T1002-77                                            |
| 30 | WJ1050647    | 47#pair wire M18x1.5-M14x1.5C                   |  | 1  |                                                        |
| 31 | WJ105082900  | 29# hose $\phi 6$ M14x1.5C- 1750 straight bend  |  | 1  | Selector valve - pilot valve                           |
| 32 | WJ1050609    | 9#pair wire M14x1.5- M27x1.5C                   |  | 7  |                                                        |
| 33 | WJ105010600A | Selector valve SF8                              |  | 1  |                                                        |
| 34 | 5001100601   | Hexagon bolt M10x60                             |  | 2  | GB/T5783-2000                                          |
| 35 | 5010000100   | Spring washer 10                                |  | 18 | GB/T93-87                                              |
| 36 | WJ105080400  | 4# hose $\phi 6$ M14x1.5C-545 straight bend     |  | 1  | Selector valve - working hydraulic tank                |
| 37 | 5015360370   | O-ring 37.5x3.55                                |  | 1  | GB/T3452.1-82                                          |
| 38 | 5007100301   | Socket head cap screws M10x30                   |  | 4  | GB/T70.1-2000                                          |
| 39 | WJ105010800A | Diesel shovel duplex pump discharge flange      |  | 1  |                                                        |
| 40 | WJ1050101A   | High pressure washer                            |  | 2  |                                                        |
| 41 | WJ105084700  | 47# hose $\phi 19$ M27x1.5C-1750 bend 0°        |  | 1  | Duplex pump - multi-way directional control valve      |
| 42 | WJ105082600  | 26# hose $\phi 13$ M22x1.5C-570, straight bend  |  | 1  | Triple pump outlet Tee - selector valve                |
| 43 | WJ1050625    | 25# tee alignment M22x1.5-M22x1.5-M22x1.5       |  | 1  |                                                        |
| 44 | WJ105010700A | Duplex pump discharge flange                    |  | 1  |                                                        |
| 45 | 5001100401   | Hexagon bolt M10x40                             |  | 4  | GB/T5783-2000                                          |
| 46 | WJ105081700  | 17# hose $\phi 19$ M27x1.5C- 1940 straight bend |  | 1  | Multi-way directional control valve - lifting cylinder |
| 47 | WJ105081600  | 16# hose $\phi 19$ M27x1.5C- 1790 straight bend |  | 1  | Multi-way directional control valve - lifting cylinder |
|    |              |                                                 |  |    |                                                        |

## Steering hydraulic system

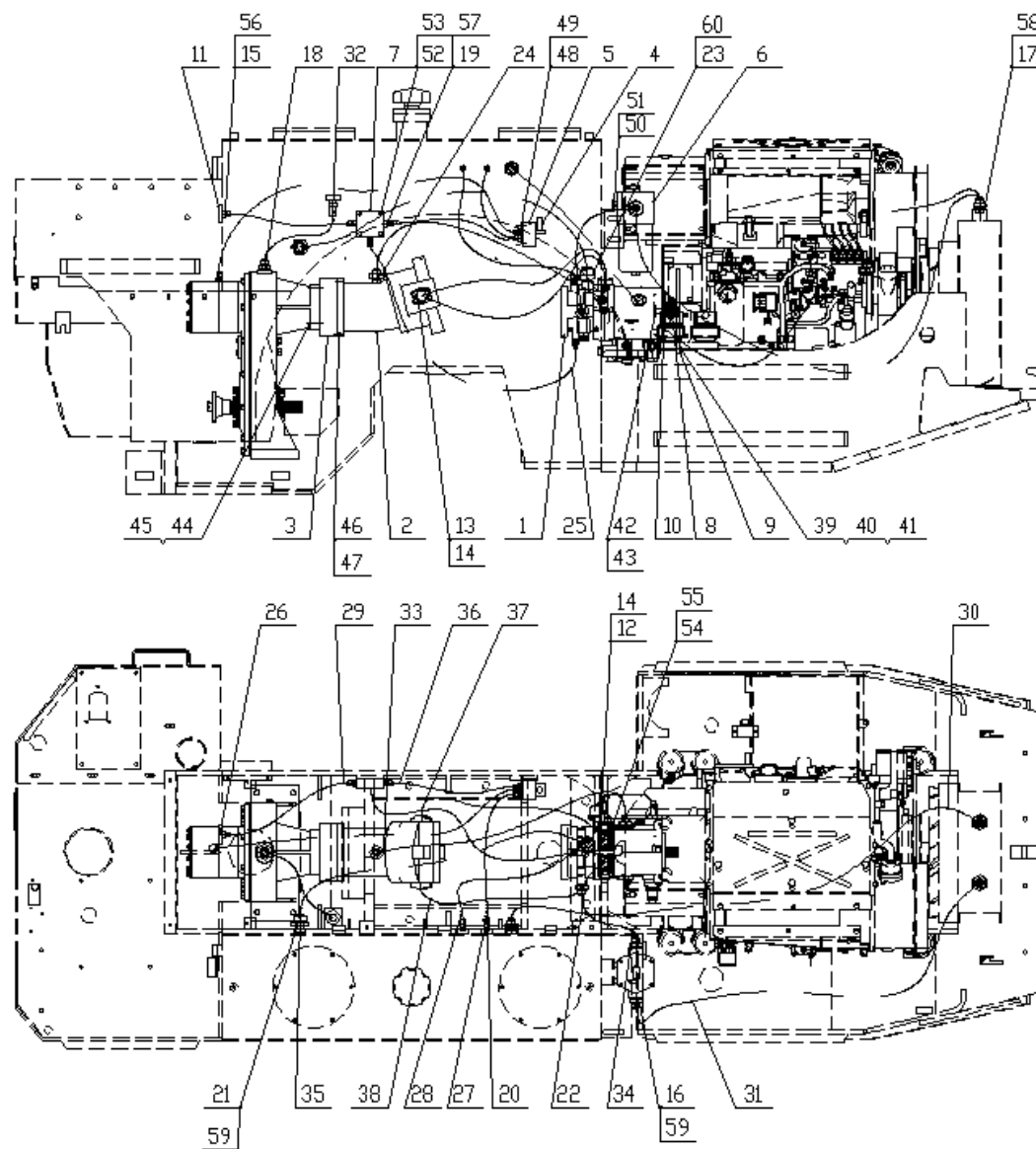




## Steering hydraulic system

| No. | Code         | Description                                    | Quantity | Remarks                                |
|-----|--------------|------------------------------------------------|----------|----------------------------------------|
| 1   | WJ105030100A | Steering cylinder                              | 1        |                                        |
| 2   | WJ105030200A | One-way throttle valve                         | 1        |                                        |
| 3   | WJ1050613    | 13#pair wire M18x1.5- M22x1.5C                 | 6        |                                        |
| 4   | WJ105084900  | 49# hose φ13 M22X1.5C- 2750, straight bend     | 1        | One-way throttle valve - steering gear |
| 5   | WJ1050617    | 17# nipple M22x1.5- M22x1.5C                   | 2        |                                        |
| 6   | WJ105082600  | 26# hose φ13 M22X1.5C-570, straight bend       | 1        | Duplex pump - one-way throttle valve   |
| 7   | WJ1050697    | 97# nipple M42x2- M22x1.5C                     | 1        |                                        |
| 8   | WJ1050698    | 98# nipple M42x2-M27x1.5C                      | 1        |                                        |
| 9   | WJ105085500  | 55# hose φ 19 M27X1.5C-1120 straight           | 1        | Radiator - working hydraulic oil tank  |
| 10  | WJ1050611    | 11# nipple M30x 1.5-M27x1.5C                   | 1        |                                        |
| 11  | WJ105081900  | 19# hose φ 19 M22X1.5C- 3670, straight bend    | 1        | Steering gear - radiator               |
| 12  | WJ105082100  | 21# hose φ 19 M22X1.5C- 1000 straight straight | 1        | Steering gear - steering cylinder      |
| 13  | WJ105082000  | 20# hose φ 19 M22X1.5C- 950 straight straight  | 1        | Steering gear - steering cylinder      |
| 14  | 5029180000   | Seal washer 18                                 | 6        | JB1002-77                              |
| 15  | 5029420000   | Seal washer 42                                 | 2        | JB1002-77                              |
| 16  | 5029220000   | Seal washer 22                                 | 2        | JB1002-77                              |
| 17  | 5029300000   | Seal washer 30                                 | 1        | JB1002-77                              |

## Travelling hydraulic system



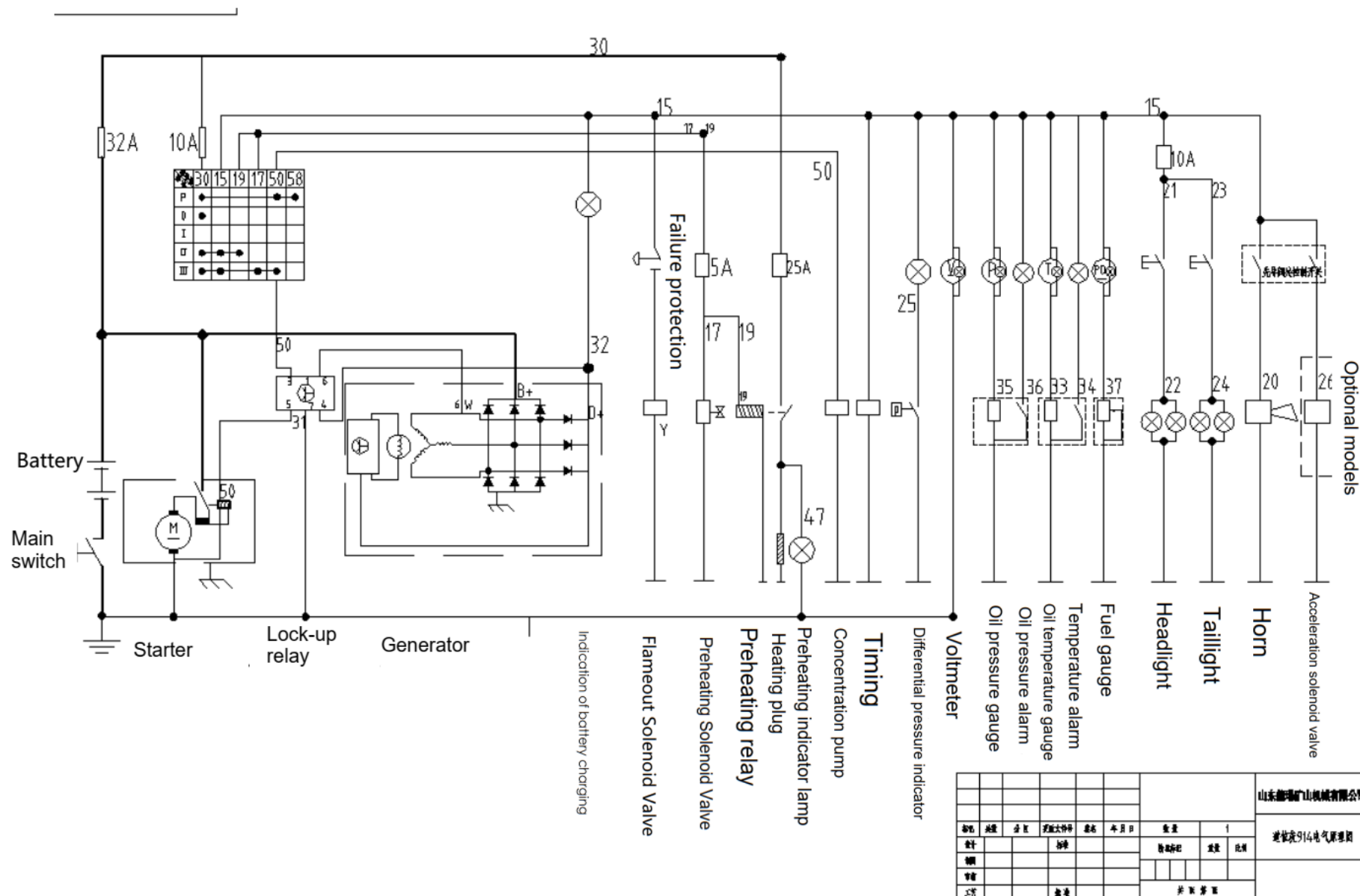
## Travelling hydraulic system

| No. | Code         | Description                             | Quantity | Remarks |
|-----|--------------|-----------------------------------------|----------|---------|
| 1   | WJ105020100A | Linde pump HPV055 12V                   | 1        |         |
| 2   | WJ105020200A | Liyang motor L6V107HA1FZ10600           | 1        |         |
| 3   | WJ1050201A   | Motor connecting plate                  | 1        |         |
| 4   | WJ1050202A   | Solenoid valve 24E1J-H6B-T              | 1        |         |
| 5   | WJ1050203A   | Solenoid valve block                    | 1        |         |
| 6   | WJ1050204A   | Oil filter ZU-A63*20LP                  | 1        |         |
| 7   | WJ1050205A   | Fast oil replenishment valve            | 1        |         |
| 8   | WJ105020300B | PU elastic coupler SKA-E1(25)(21)-45-40 | 1        |         |
| 9   | WJ1050206B   | Coupling bracket                        | 1        |         |
| 10  | WJ1050207B   | External connecting plate               | 1        |         |
| 11  | WJ1050208A   | Anti-vibration pressure gauge 4Mpa      | 1        |         |
| 12  | WJ1050209A   | Flange clamp 602                        | 4        |         |
| 13  | WJ1050210A   | Flange clamp 603                        | 4        |         |
| 14  | WJ1050101A   | High pressure washer                    | 4        |         |
| 15  | WJ1050609    | 9#pair wire M14x1.5-M14x1.5C            | 7        |         |
| 16  | WJ1050610    | 10# nipple M33x2-M27x1.5C               | 2        |         |
| 17  | WJ1050611    | 11# nipple M30x 1.5-M27x1.5C            | 3        |         |
| 18  | WJ1050617    | 17# nipple M22x1.5- M22x1.5C            | 1        |         |
| 19  | WJ1050620    | 20#pair wire M10x1-M14x1.5C             | 3        |         |
| 20  | WJ1050632    | 32#pair wire M16x1.5-M14x1.5C           | 2        |         |
| 21  | WJ1050646    | 46# nipple M33x2- M42x2C                | 1        |         |
| 22  | WJ1050705    | 105# nipple M22x1.5-M27x1.5C            | 2        |         |

| No. | Code         | Description                                  | Quantity | Remarks                                        |
|-----|--------------|----------------------------------------------|----------|------------------------------------------------|
| 23  | WJ1050706    | 106# nipple M26x1.5-M42x2C                   | 1        |                                                |
| 24  | WJ1050707    | 107# nipple M18x1.5-M27x1.5C                 | 1        |                                                |
| 25  | WJ105080500  | 5# hose φ6 M14- 1145 straight bend           | 1        | Travelling pump - oil replenishment valve      |
| 26  | WJ105080500  | 5# hose φ6 M14- 1145 straight bend           | 1        | Solenoid valve - transfer case clutch          |
| 27  | WJ105080600  | 6# hose φ6 M14- 1045 straight bend           | 1        | Solenoid valve - hydrostatic oil tank          |
| 28  | WJ105080600  | 6# hose φ6 M14- 1045 straight bend           | 1        | Travel pump - hydrostatic oil tank             |
| 29  | WJ105080700  | 7# hose φ6 M14- 1140 straight bend           | 1        | Oil replenishment valve - pressure gauge       |
| 30  | WJ105081000  | 10#hose φ19, M27- 2690, straight bend        | 1        | Radiator - hydrostatic tank                    |
| 31  | WJ105081000  | 10#hose φ19, M27- 2690, straight bend        | 1        | Oil filter - radiator                          |
| 32  | WJ105082700  | 27# hose φ 13, M22-420, straight bend        | 1        | Transfer case - transfer case oil filling port |
| 33  | WJ105085500  | 55#hose φ19, M27-1100, bend 180              | 1        | Motor discharge port - travelling pump         |
| 34  | WJ105086300A | 63#A hose φ19, M27-740, straight bend        | 1        | Travel pump - oil filter                       |
| 35  | WJ105090200  | 102#hose φ 32, M42- 1020, straight bend      | 1        | Hydrostatic tank - travelling pump             |
| 36  | WJ105090600  | 106# hose φ6 M14- 445 straight bend          | 1        | Oil replenishment valve - solenoid valve       |
| 37  | WJ105091100A | 111# A hose φ 25, flange plate, 630 bend 0 ° | 1        | Traveling pump-motor                           |
| 38  | WJ105091100B | 111#B hose φ 25, flange plate, 630 bend 0 °  | 1        | Traveling pump-motor                           |
| 39  | 5002100501   | Hexagon bolt M10x50                          | 12       | GB5782-2000                                    |
| 40  | 5010000100   | Spring washer 10                             | 12       | GBT93-1987                                     |
| 41  | 5041100160   | Setscrew M10x1x16                            | 1        | GB/T77-2007                                    |
| 42  | 5001160301   | Hexagon bolt M16x30                          | 2        | GB5783-2000                                    |
| 43  | 5018000160   | Flat washer 16                               | 2        | GBT95-2002                                     |
| 44  | 5001120501   | Bolt M12x50                                  | 4        | GB5783-2000                                    |
| 45  | 5010000120   | Spring washer 12                             | 4        | GB/93-87                                       |

| No. | Code       | Description                | Quantity | Remarks     |
|-----|------------|----------------------------|----------|-------------|
| 46  | 5001160501 | Bolt M16x50                | 4        | GB5783-2000 |
| 47  | 5010000160 | Spring washer 16           | 4        | GB/93-87    |
| 48  | 5007080251 | Socket head cap bolt M8x25 | 4        | GB70.1-2000 |
| 49  | 5010000080 | Spring washer 8            | 4        | GBT93-87    |
| 50  | 5001100201 | Hexagon bolt M10x20        | 2        | GB5783-2000 |
| 51  | 5018000100 | Flat washer 10             | 2        | GB/95-2002  |
| 52  | 5007060401 | Socket head cap bolt M6x40 | 4        | GB70.1-2000 |
| 53  | 5027140150 | Screw plug M14x1.5         | 1        | JB1000-77   |
| 54  | 5001100451 | Hexagon bolt M10x45        | 16       | GB5783-2000 |
| 55  | 5018000100 | Flat washer 10             | 16       | GB/95-2002  |
| 56  | 5029140000 | Seal washer 14             | 7        | JB1002-77   |
| 57  | 5029100000 | Seal washer 10             | 3        | JB1002-77   |
| 58  | 5029300000 | Seal washer 30             | 2        | JB1002-77   |
| 59  | 5029330000 | Seal washer 33             | 2        | JB1002-77   |
| 60  | 5029270000 | Seal washer 27             | 2        | JB1002-77   |
|     |            |                            |          |             |

## Electrical system



## Electrical system

| No. | Code     | Description                          | Quantity | Remarks |
|-----|----------|--------------------------------------|----------|---------|
| 1   | WJ10701A | Battery 12V120Ah                     | 1        |         |
| 2   | WJ10702A | Power switch                         | 1        |         |
| 3   | WJ10703A | Starter CRST8FS-A-Z DC12V 200a/12VDC | 1        |         |
| 4   | WJ10704A | Starter relay                        | 1        |         |
| 5   | WJ10705A | Electric lock                        | 1        |         |
| 6   | WJ10706A | Circuit breaker DZ47-60 C32A         | 1        |         |
| 7   | WJ10707A | Generator                            | 1        |         |
| 8   | WJ10708A | Generation indicator                 | 1        |         |
| 9   | WJ10709A | Integrated indicating instrument     | 1        |         |
| 10  | WJ10710A | Pressure difference transmitter      | 1        |         |
| 11  | WJ10711A | Oil water alarm sensor               | 1        |         |
| 12  | WJ10712A | Fuel indicator sensor                | 1        |         |
| 13  | WJ10713A | Water temperature alarm sensor       | 1        |         |
| 14  | WJ10714A | Oil pressure alarm                   | 1        |         |
| 15  | WJ10715A | Circuit breaker DZ47-60 C25A         | 1        |         |
| 16  | WJ10716A | Preheat relay                        | 1        |         |
| 17  | WJ10717A | Heater                               | 1        |         |
| 18  | WJ10718A | Preheat indicator                    | 1        |         |
| 19  | WJ10719A | Shutdown relay                       | 1        |         |
| 20  | WJ10720A | Timer                                | 1        |         |
| 21  | WJ10721A | Flameout solenoid valve              | 1        |         |
| 22  | WJ10722A | Emergency stop button                | 1        |         |

| No. | Code     | Description                         | Quantity | Remarks |
|-----|----------|-------------------------------------|----------|---------|
| 23  | WJ10723A | Front lamp, rear lamp LED, 1 square | 1        |         |
| 24  | WJ10724A | Circuit breaker DZ47-60 C16A        | 1        |         |
| 25  | WJ10725A | Front and rear lamp buttons         | 1        |         |
| 26  | WJ10726A | Circuit breaker DZ47-60 C6A         | 1        |         |
| 27  | WJ10727A | Booster DC12V-DC24V                 | 1        |         |
| 28  | WJ10728A | Parking brake valve                 | 1        |         |
| 29  | WJ10729A | Parking indicator lamp              | 1        |         |
| 30  | WJ10730A | Parking button, indicator           | 1        |         |
| 31  | WJ10731A | Diesel pump                         | 1        |         |
| 32  | WJ10732A | Circuit breaker DZ47-60 C6A         | 1        |         |
| 33  | WJ10733A | Forward and backward buttons        | 1        |         |
| 34  | WJ10734A | Forward solenoid valve              | 1        |         |
| 35  | WJ10735A | Backward solenoid valve             | 1        |         |
| 36  | WJ10736A | Horn button                         | 1        |         |
| 37  | WJ10737A | Horn                                | 1        |         |
| 38  | WJ10738A | Panel                               | 1        |         |
| 39  | WJ10739A | Oil water separator insert          | 1        |         |
| 40  | WJ10740A | Aviation plug-in DJ7023Y            | 1        |         |
| 41  | WJ10741A | Aviation plug-in, 26 holes          | 1        |         |
| 42  | WJ10742A | Aviation plug-in, 4 holes           | 1        |         |
| 43  | WJ10743A | Aviation plug-in, 3 holes           | 1        |         |
| 44  | WJ10744A | Aviation plug-in, 2 holes           | 1        |         |
| 45  | WJ10745A | Copper terminal                     | 1        |         |



| No. | Code       | Description                    | Quantity | Remarks       |
|-----|------------|--------------------------------|----------|---------------|
| 46  | WJ10746A   | Battery clip                   | 1        |               |
| 47  | WJ10747A   | Battery clip                   | 1        |               |
| 48  | WJ10748A   | Battery clip protective sleeve | 1        |               |
| 49  | 5008050100 | Screw M5x10                    | 28       | GB/T822-2000  |
| 50  | 5008080250 | Screw M8x25                    | 8        | GB/T822-2000  |
| 51  | 5001100301 | Bolt M10x30                    | 4        | GB/T5783-2000 |
| 52  | 5010000100 | Elastic washer 10              | 4        | GB/T93-87     |
| 53  | 5008050400 | Screw M5x40                    | 4        | GB/T822-2000  |
| 54  | 5002051001 | Bolt M5x100                    | 4        | GB/T5782-2000 |
| 55  | 5008040200 | Screw M4x20                    | 2        | GB/T822-2000  |
| 56  | 5008040150 | Screw M4x15                    | 24       | GB/T822-2000  |
| 57  | 5010000040 | Elastic washer 4               | 49       | GB/T93-87     |
| 58  | 5035080100 | Screw M8x10                    | 4        | GB/T818-2000  |
| 59  | 5008040100 | Screw M4x10                    | 27       | GB/T822-2000  |
| 60  | 5008040200 | Screw M4x20                    | 4        | GB/T822-2000  |
| 61  | 5005040001 | Nut M4                         | 23       | GB/T6170-2000 |
|     |            |                                |          |               |
|     |            |                                |          |               |