PARTS MANUAL

TE16 (1.6 Ton/3500Lbs)
TE18 (1.8 Ton/4000Lbs)
TE20 (2.0 Ton/4400Lbs)

1.6-2.0t Battery Balanced Forklift Truck

TITAN®
FORKLIFTS

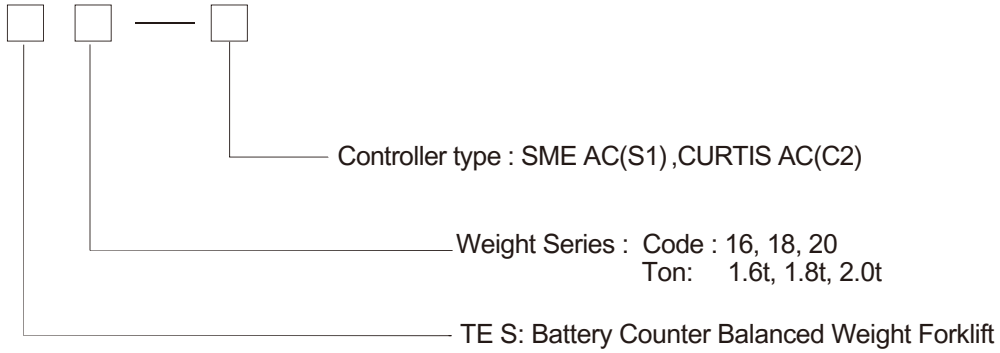




TITAN FORKLIFTS LTD.

FOREWORD

1. This parts list is applied to the **TE16S ,TE18S, TE20S** forklift trucks. It is intended for users to identify the name, number and quantity of the parts replaced or repaired and to order them from the suppliers works .
2. When ordering parts, it is necessary to state the model of the forklift truck, its date of manufacture and according to this Part List, to state the whole number, the whole name and the quantity .
3. Among the models of the forklift trucks :



4. If there is any change, we will not notify.
5. Abbreviations in the CATALOGUE.

ASS'Y	assembly
R.H.	right hand
L.H.	left hand
H.P.	high pressure
L.P.	low pressure

Note: EX-A: Special parts made for the forklift trucks exported to US and Canada.
EX-B: Parts made for common forklift truck markets .

INDEX

1. TRANSMISSION SYSTEM

Reduction box and drive wheel ass'y 1-01
Reduction Box Ass'y 1-02

2. ELECTRICAL SYSTEM

Electrical System 2-01
Electrical Schematics 2-02
Vehicle harness 2-04
Hand brake switch 2-06
Battery socket ass'y 2-07
Controller ass'y 2-08
Battery ass'y 2-10

3. STEERING SYSTEM

Steering control 3-01
Steering axle and Steering wheel ass'y 3-02
Steering axle ass'y 3-03

4. BODY SYSTEM

Frame & balance weight 4-01
Hood, Floor Board & Seat 4-02
Overhead guard 4-03

5. HYDRAULIC SYSTEM

Oil tank 5-01
Valve control assembly (2-Piece) 5-02
Valve control assembly (3-Piece) 5-03
Valve control assembly (4-Piece) 5-04
Hydraulic pipeline EX-B 5-05
Hydraulic pipeline EX-A 5-06
Hydraulic schematic 5-07

6. BRAKING SYSTEM

Brake control unit 6-01
Parking Brake 6-02

7. LIFTING SYSTEM

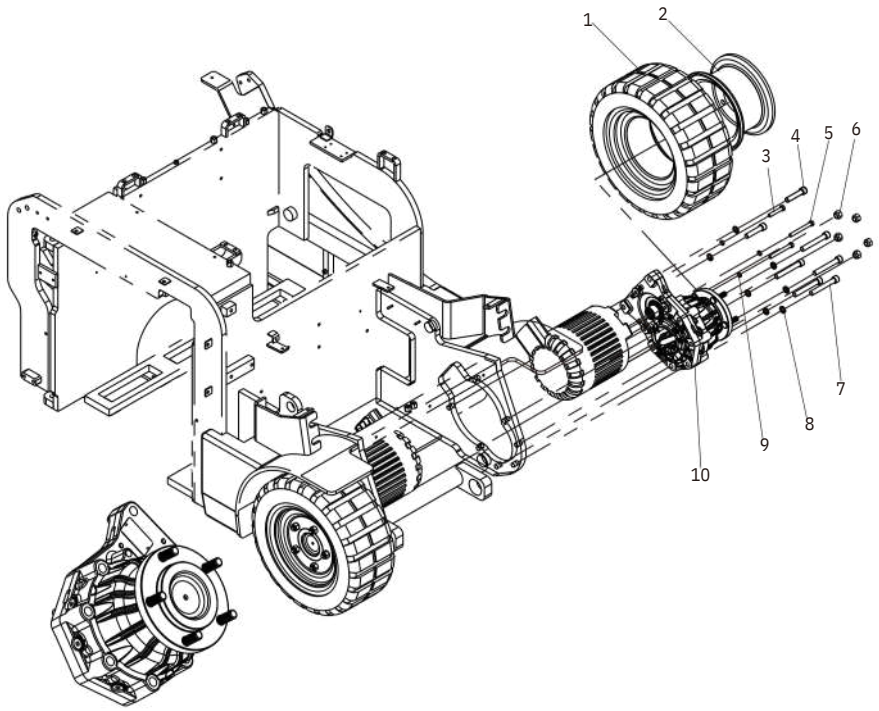
Hydraulic mast system (Normal mast KM) EX-B 7-01
Hydraulic mast system (Normal mast KM) EX-A 7-02
Hydraulic mast system(Full Free 3-Stage Mast KZM) EX-B 7-03
Hydraulic mast system(Full Free 3-Stage Mast KZM) EX-A 7-04
Fork 7-05
Fork Rack (Normal Mast) 7-06
Fork Rack (Full Free 3-Stage Mast) 7-07
Mast (Normal mast KM) 7-08
Mast (Full free 3-stage mast KZM) 7-09
Lift Cylinder (Normal Mast KM) 7-10
Front Lift Cylinder (Full Free 3-Stage Mast KZM) 7-11
Rear Lift Cylinder (Full Free 3-Stage Mast KZM) 7-12
Tilt cylinder 7-13

8. SIGNAGE

Decals 8-01

1- DRIVING SYSTEM

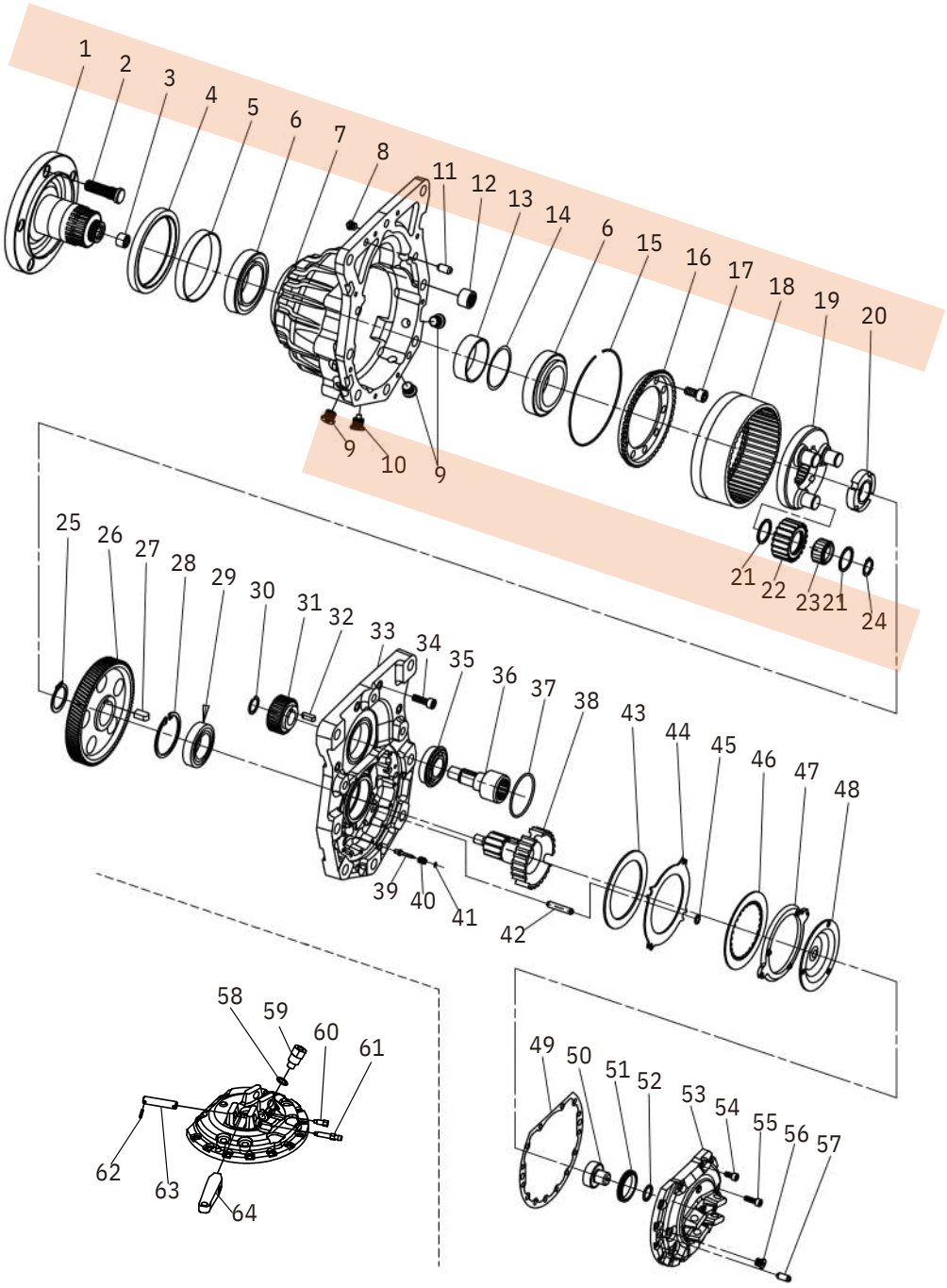
01- Reduction Box and Drive Wheel Assembly



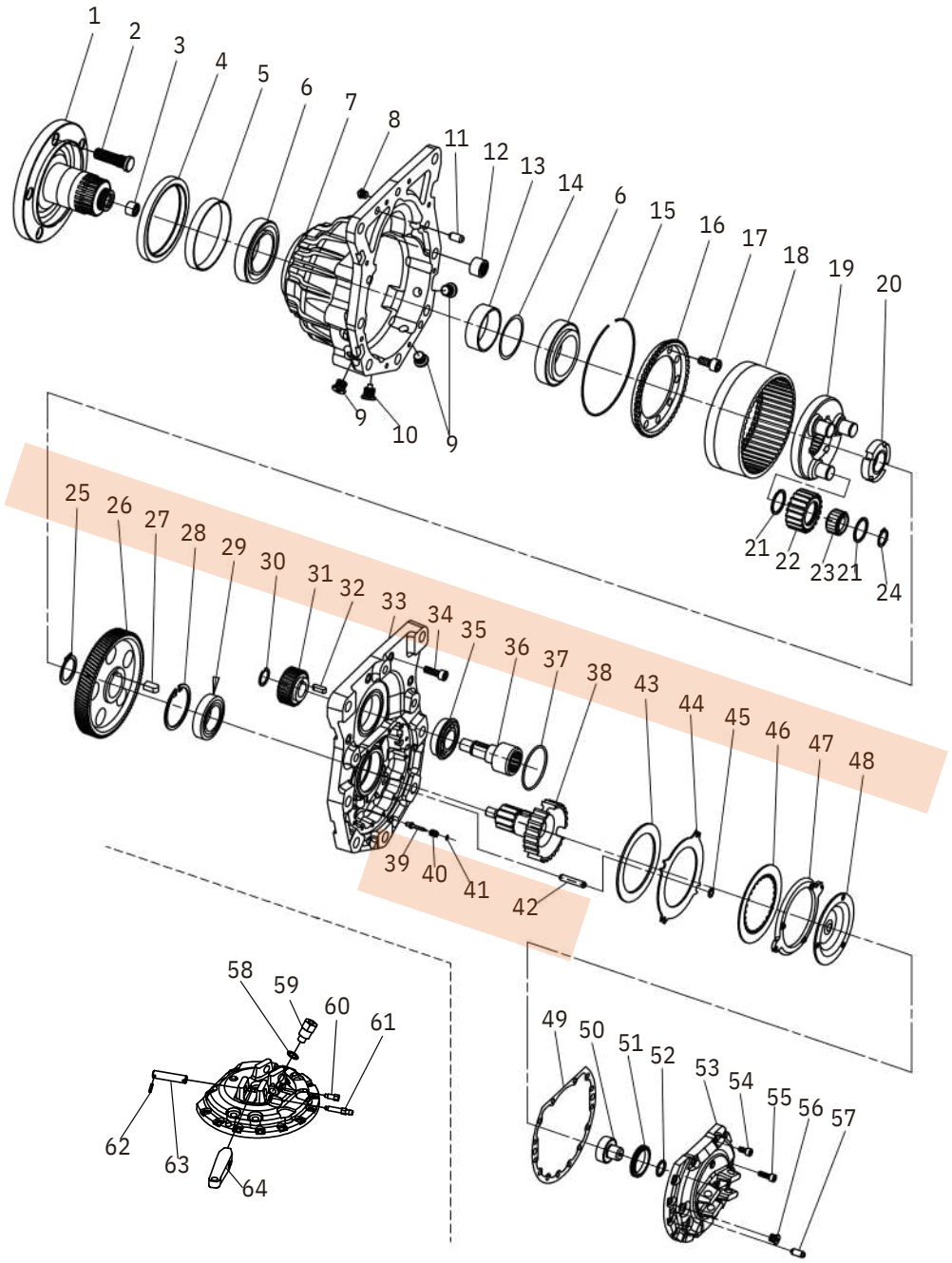
No.	Part No.	Description	Qty.	Remark
1	GB/T10823	18 x 7-8 tire	2	
2	A16A5-00100	Rim ass'y	2	
3	GB/T5782	M10 x 55 Bolt	2	TE16,18,20S-S1
-	GB/T5782	M8 × 55 × 30 Bolt	2	TE16,18,20S-C2
4	GB/T70.1	M14×65×30 Hexagon Socket Head Bolt	4	TE16,18,20S-S1
-	GB/T5782	M14 x 60 x 30 Bolt	4	TE16,18,20S-C2
5	GB/T5782	M10 x 90 x 30 Bolt	4	TE16,18,20S-S1
-	GB/T5782	M8 × 80 × 30 Bolt	4	TE16,18,20S-C2
6	A16A5-10001	Hub Nut	10	
7	GB/T70.1	M14×100× 30 Hexagon Socket Head Bolt Bolt	10	TE16,18,20S-S1
-	GB/T5782	M14 x 100 x 40 Bolt	10	TE16,18,20S-C2
8	GB/T93	14 Washer, Lock (Spring Pad)	14	
9	GB/T93	10 Washer, Lock (Spring Pad)	6	TE16,18,20S-S1
-	GB/T93	8 Washer,Lock (Spring Pad)	6	TE16,18,20S-C2
10	A16A5-00200	Reduction Box Ass'y	2	TE16,18,20S-S1
-	A16G5-00100	Reduction Box Ass'y	2	TE16,18,20S-C2

1- DRIVING SYSTEM

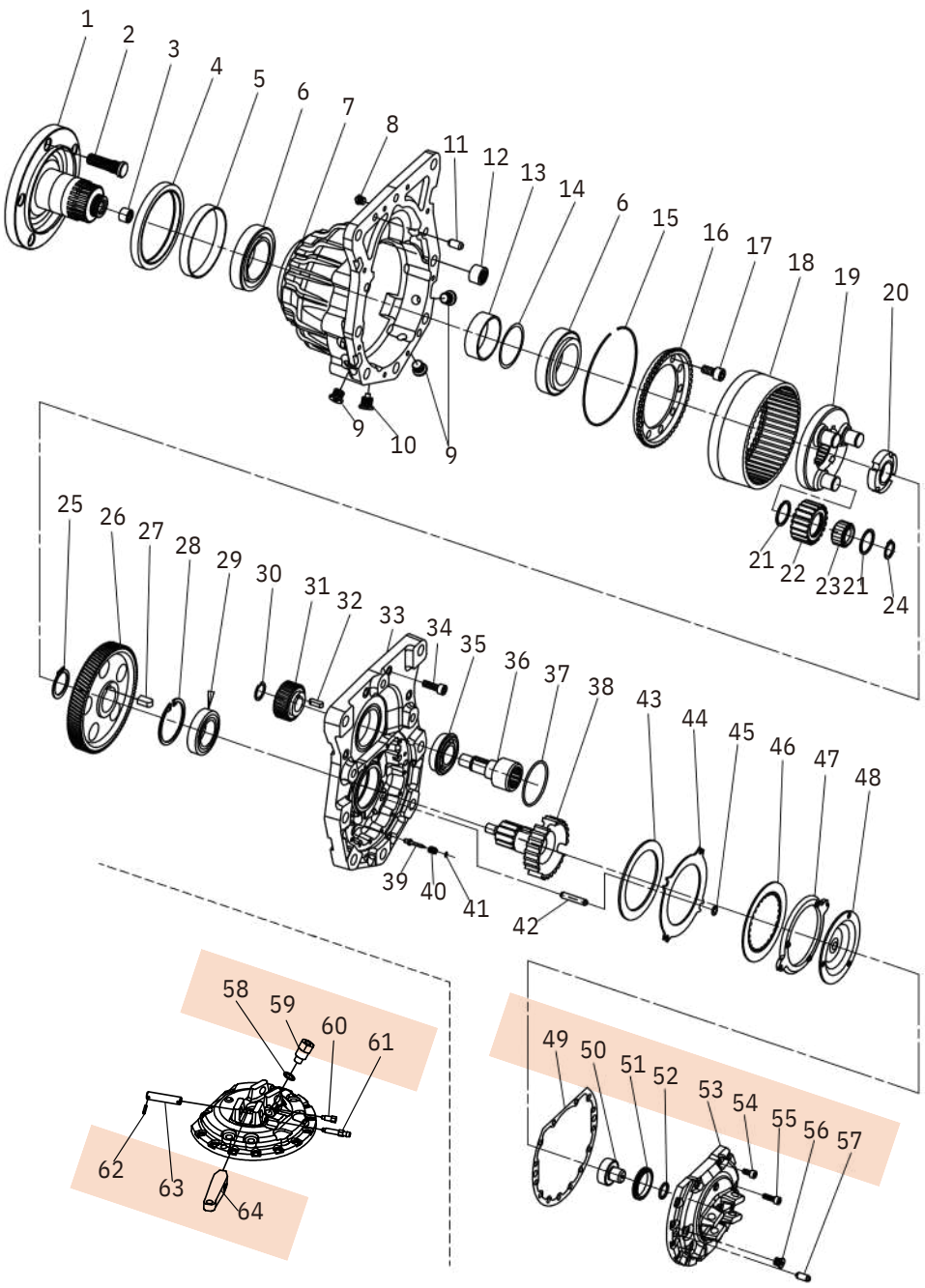
02- Reduction Box Assembly TE16,18,20S-S1



No.	Part No.	Description	Qty.	Remark
1	A16A5-00201	Wheel hub	1	
2	A16A5-00202	Wheel fixing screw	5	
3	A16A5-00203	Needle cage	1	
4	A16A5-00204	Shaft seal	1	
5	A16A5-00205	Track (seal collar)	1	
6	A16A5-00206	Taper roller bearings	2	
7	A16A5-00207	Housing	1	
8	A16A5-00208	Breather	1	
9	A16A5-00209	Screw plug	3	
10	A16A5-00210	Screw plug	1	
11	A16A5-00211	Locking pins	2	
12	A16A5-00212	Needle cage	1	
13	A16A5-00213	Gasket	1	
14	A16A5-00214	Gasket	1	
15	A16A5-00215	Circular spring	1	
16	A16A5-00216	Drive sprocket carrier	1	
17	A16A5-00217	Socket head screw	10	
18	A16A5-00218	Ring gear	1	
19	A16A5-00219	Planet carrier	1	
20	A16A5-00220	Locknut	1	
21	A16A5-00221	Circlip	6	
22	A16A5-00222	Planet gear	3	
23	A16A5-00223	Roller bearing	3	
24	A16A5-00224	Retaining ring	3	



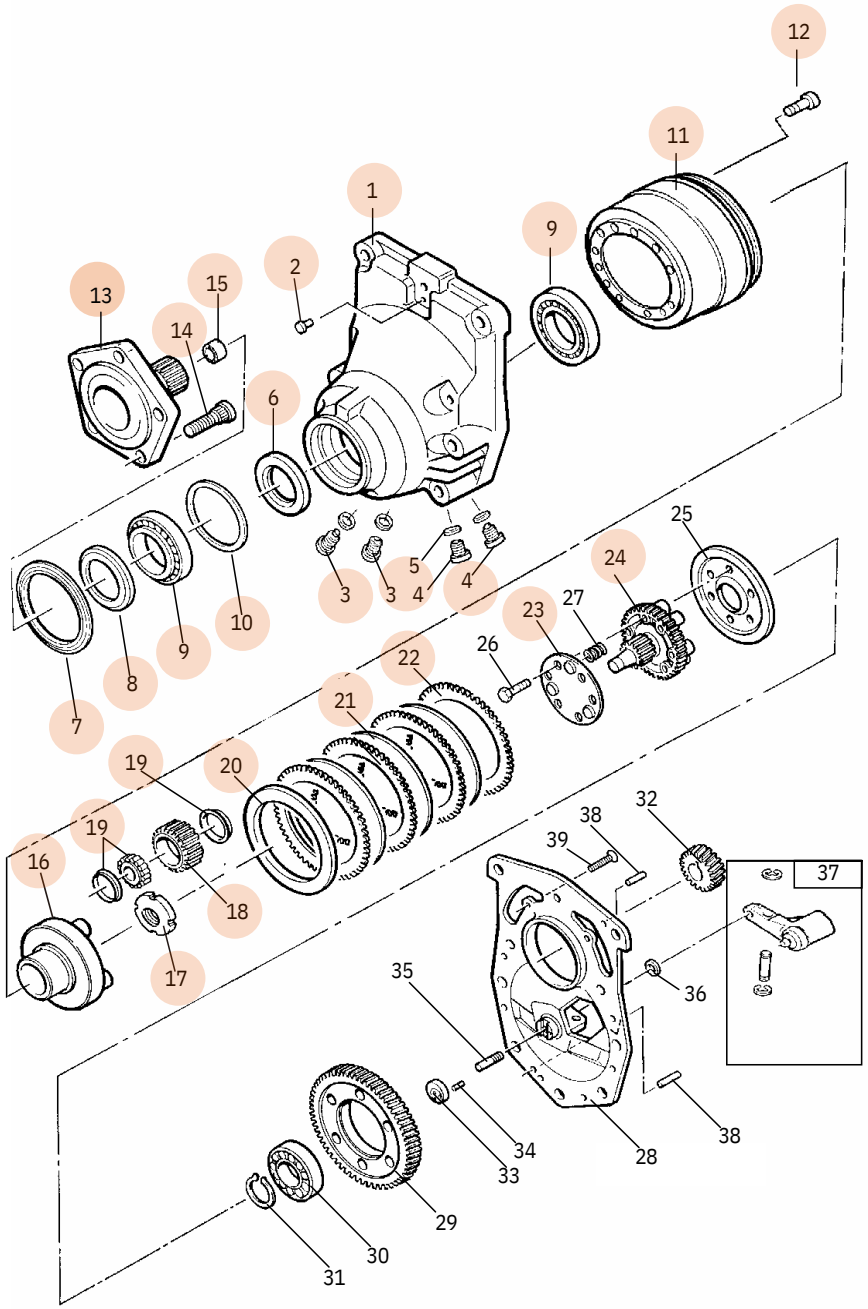
No.	Part No.	Description	Qty.	Remark
25	A16A5-00225	Retaining ring	1	
26	A16A5-00226	Helix gear	1	
27	A16A5-00227	Cylinder Pin	1	
28	A16A5-00228	Retaining ring	1	
29	A16A5-00229	Ball bearing	1	
30	A16A5-00230	Retaining ring	1	
31	A16A5-00231	Helix gear	1	
32	A16A5-00232	Cylinder Pin	1	
33	A16A5-00233	Rear cover	1	
34	A16A5-00234	Socket head screw	8	
35	A16A5-00235	Ball bearing	1	
36	A16A5-00236	Input shaft	1	
37	A16A5-00237	O-ring	1	
38	A16A5-00238	Sut pinion (gear)	1	
39	A16A5-00239	Pin	2	
40	A16A5-00240	Spring	2	
41	A16A5-00241	Retaining ring	2	
42	A16A5-00242	Locking pin	4	
43	A16A5-00243	Reaction disk	1	
44	A16A5-00244	Steel disk	7	
45	A16A5-00245	Spring	2 4	
46	A16A5-00246	Friction disk	6	
47	A16A5-00247	Disk pusher	1	
48	A16A5-00248	Flexible disk	1	



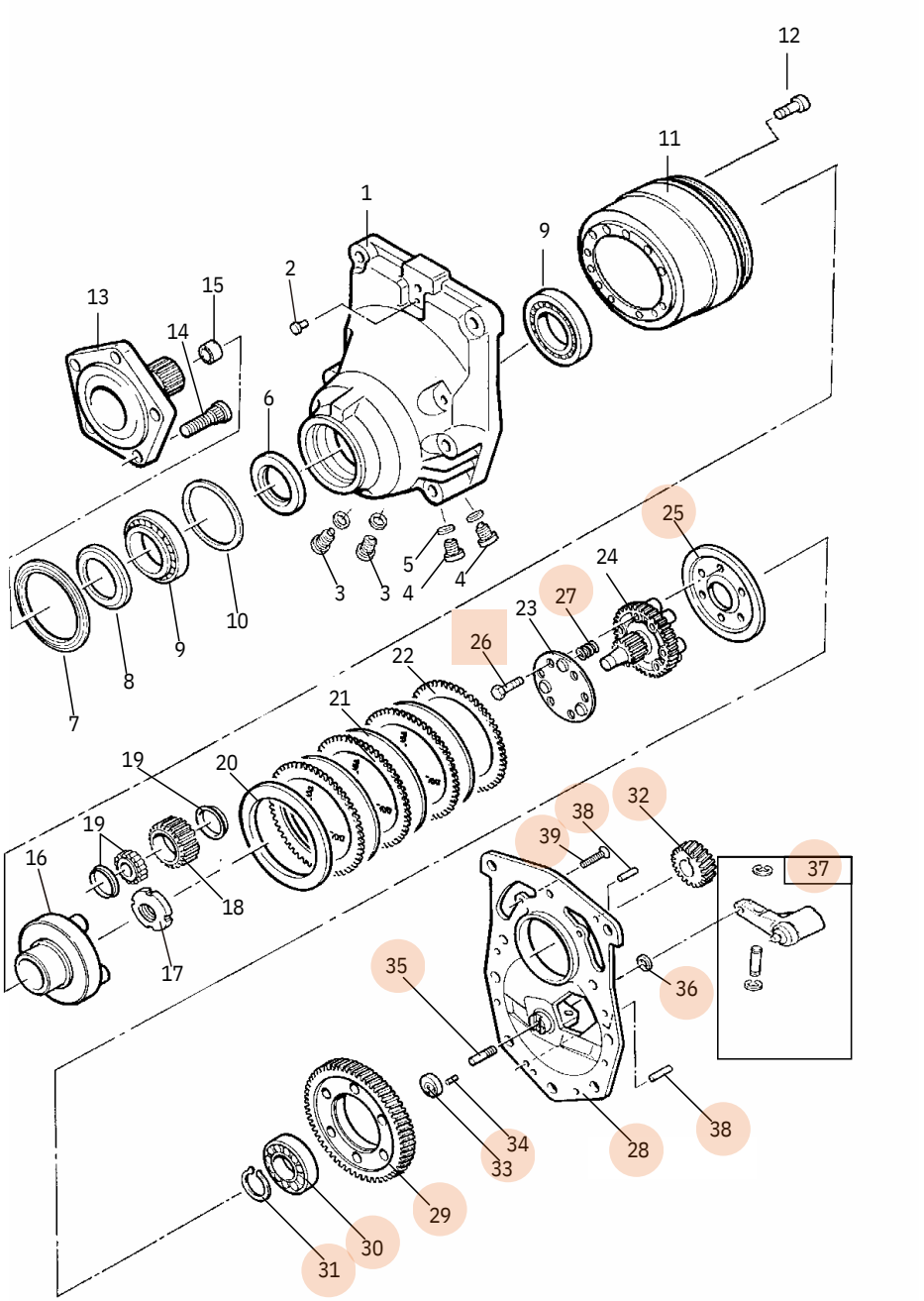
No.	Part No.	Description	Qty.	Remark
49	A16A5-00249	Gasket-seal	1	
50	A16A5-00250	Piston	1	
51	A16A5-00251	Seal	1	
52	A16A5-00252	Seal	2	
53	A16A5-00253	Brake housing (hood)	1	
54	A16A5-00254	Socket head screw	2	
55	A16A5-00255	Socket head screw	12	
56	A16A5-00256	Screw plug	4	
57	A16A5-00257	Locking pin	2	
58	A16A5-00258	Washer	1	
59	A16A5-00259	Braking Device	1	
60	A16A5-00260	Stop Blind valve	1	
61	A16A5-00261	Brake Bleeder Valve	1	
62	A16A5-00262	Elastic pin	2	
63	A16A5-00263	Pin	1	
64	A16A5-00264	Lever	1	

1- DRIVING SYSTEM

02- Reduction Box Assembly TE16,18,20S-C2



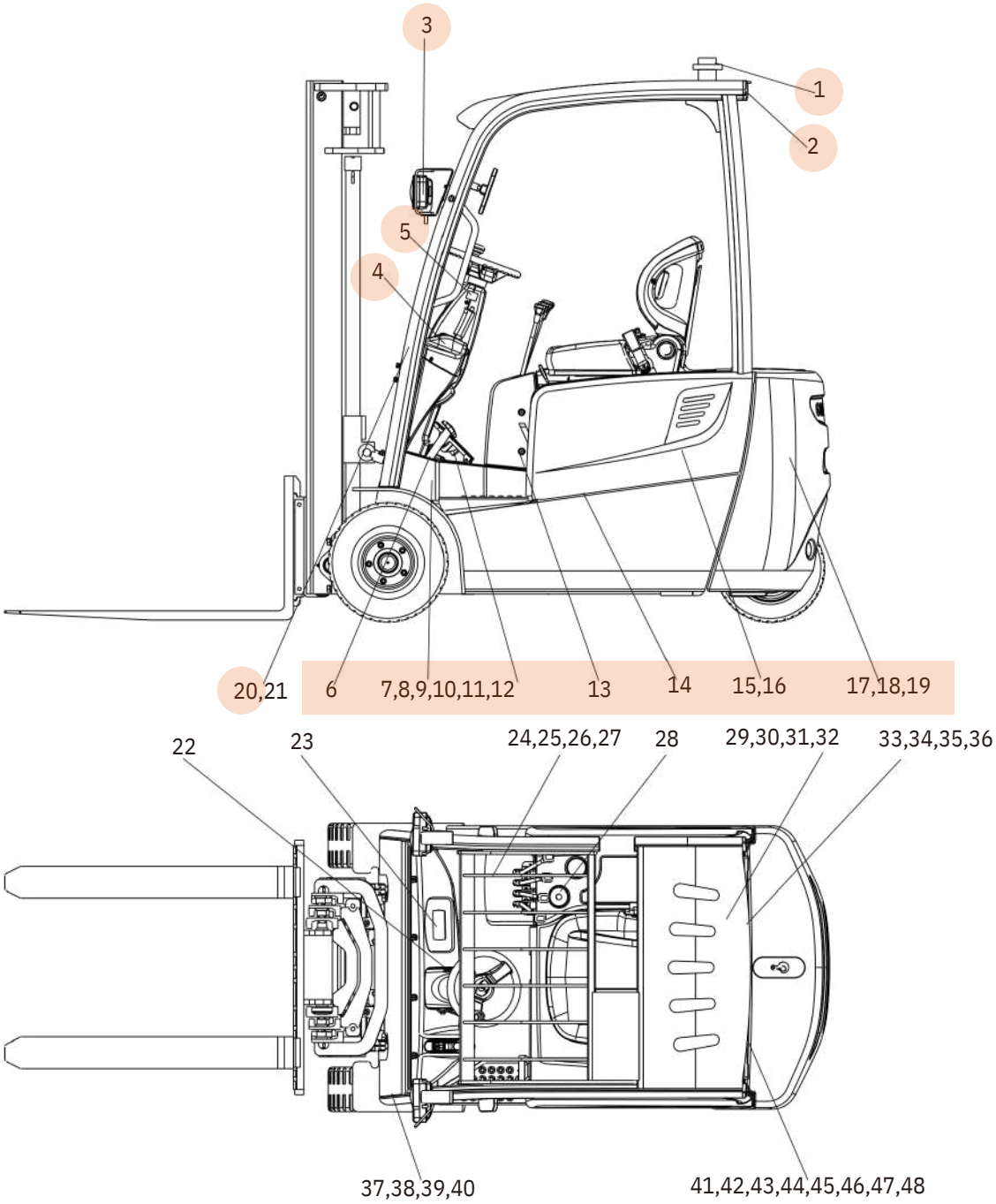
No.	Part No.	Description	Qty.	Remark
1	A16G5-00101	Housing	1	
2	A16G5-00102	Breather	1	
3	A16G5-00103	Screw plug with magnet	2	
4	A16G5-00104	Screw plug	2	
5	A16G5-00105	Sealing ring	4	
6	A16G5-00106	Shaft seal	1	
7	A16G5-00107	Sealing ring	1	
8	A16G5-00108	Nylon ring	1	
9	A16G5-00109	Tapered roller bearings	2	
10	A16G5-00110	Gasket	1	
11	A16G5-00111	Internal gear	1	
12	A16G5-00112	Torx-Screw	10	
13	A16G5-00113	Wheel hub	1	
14	A16G5-00114	Wheel Hub bolt	1	
15	A16G5-00115	Needle sleeve	1	
16	A16G5-00116	Planet carrier	1	
17	A16G5-00117	Slotted nut	3	
18	A16G5-00118	Planet gear	3	
19	A16G5-00119	Cylindrical roller bearing	3	
20	A16G5-00120	Pressure disc set	1	
21	A16G5-00121	Inner clutch disc	3	
22	A16G5-00122	Outer clutch disc	4	
23	A16G5-00123	Fixing plate	1	
24	A16G5-00124	Inner disc carrier	1	



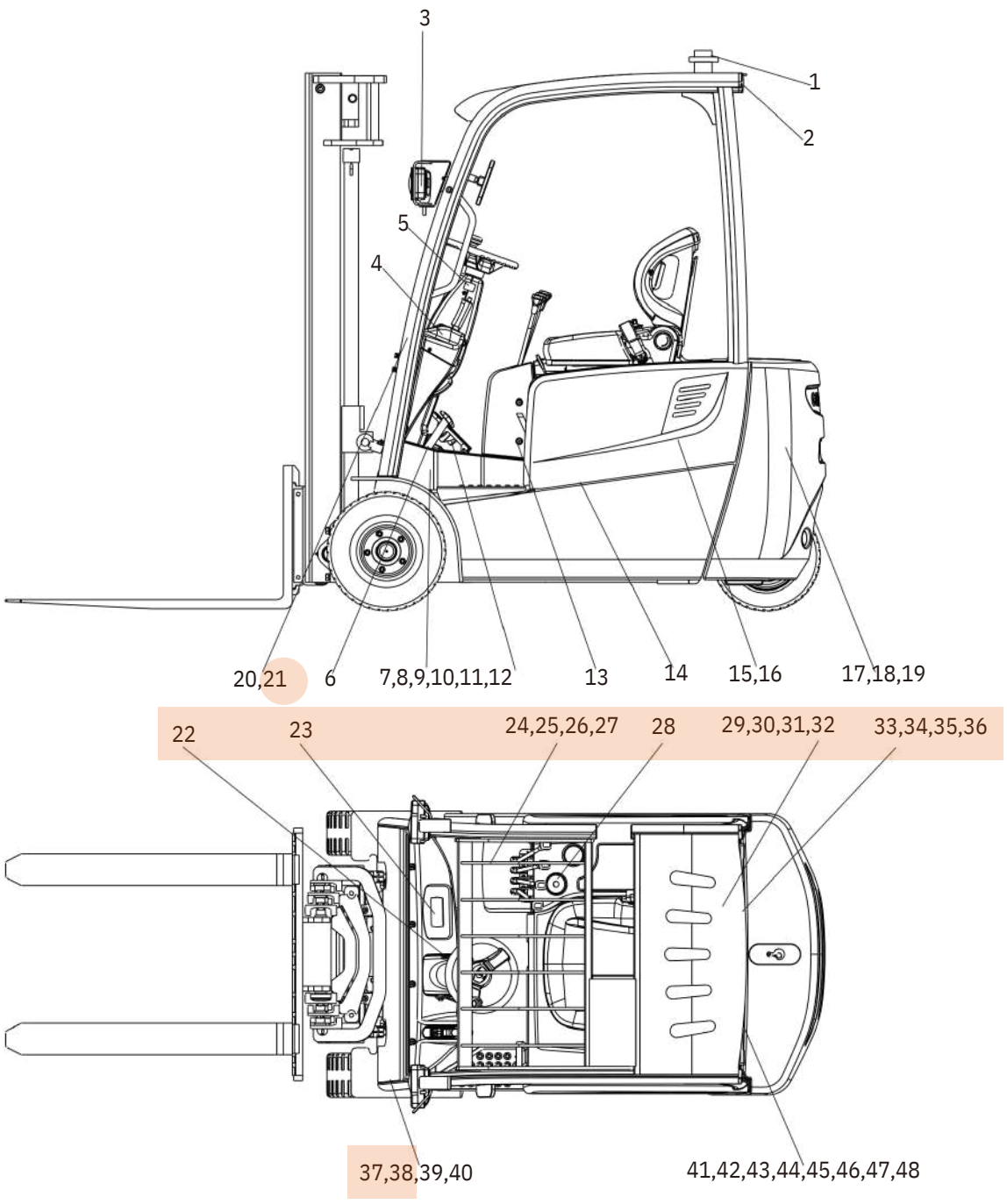
No.	Part No.	Description	Qty.	Remark
25	A16G5-00125	Pressure disc	1	
26	A16G5-00126	Hexagon screw	1	
27	A16G5-00127	Pressure spring	3	
28	A16G5-00128	Housing cover	1	
29	A16G5-00129	Spur gear	1	
30	A16G5-00130	Grooved ball bearing	1	
31	A16G5-00131	Snap ring	1	
32	A16G5-00132	Input pinion	1	
33	A16G5-00133	Axial slide bearing	1	
34	A16G5-00134	Cylindrical pin	1	
35	A16G5-00135	Pressure pin set	1	
36	A16G5-00136	Shaft sealing ring	1	
37	A16G5-00137	Brake lever assembly	1	
38	A16G5-00138	Cylindrical pin	2	
39	A16G5-00139	Cylindrical screw	8	

2- ELECTRICAL SYSTEM

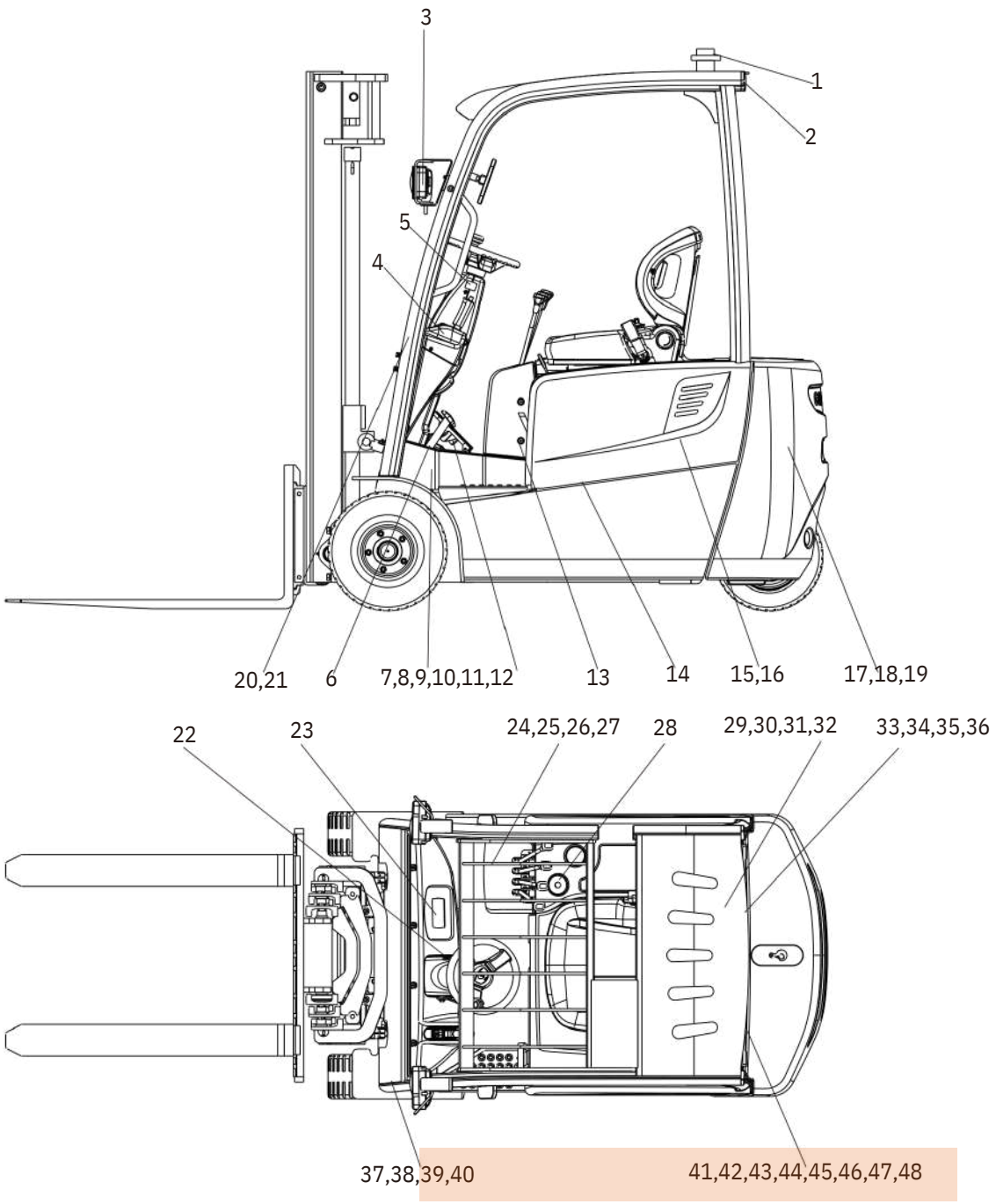
01- Electrical System TE16,18,20S-S1



No.	Part No.	Description	Qty.	Remark
1	DT04G-LTD125	Warning Light	1	
2	DT04G-12XH8-2	Rear lamp	1	
3	A15G2-40100	Front combined lamps	2	
4	A15A2-00202	Hand Brake switch	1	
5	DT02G-JK422	Key switch	1	
6	DT05G-JK205A	Foot brake lamp switch	2	
7	DT09G-DL124ED	Horn	1	
8	GB/T5783	MX x 16 Bolt	1	
9	GB/T97.1	Flat Pad 8 Washer	1	
10	GB/T93	8 Washer lock (Spring Pad)	1	
11	A15A2-00205	Horn filter	1	
12	A15J2-00204	Accelerator	1	
13	A16E2-00400	Battery socket ass'y	1	
14	A16E2-80100	Vehicle wiring harness	1	
15	A16E2-20100	Battery	1	1.6-1.8 (standard) 490Ah
-	A16E2-20200	Battery	1	2t (standard) 560Ah
16	A16A2-00800	Battery charger	1	(standard)
-	A16A2-00801	Battery charger	1	optional
17	DT09G-ZJQ	Corner potentiometer	1	
18	GB/T5783	M4 x 35 Bolt	1	
19	GB/T93	4 Washer lock (spring pad)	1	
20	A15A2-00500	Left head guard harness	1	



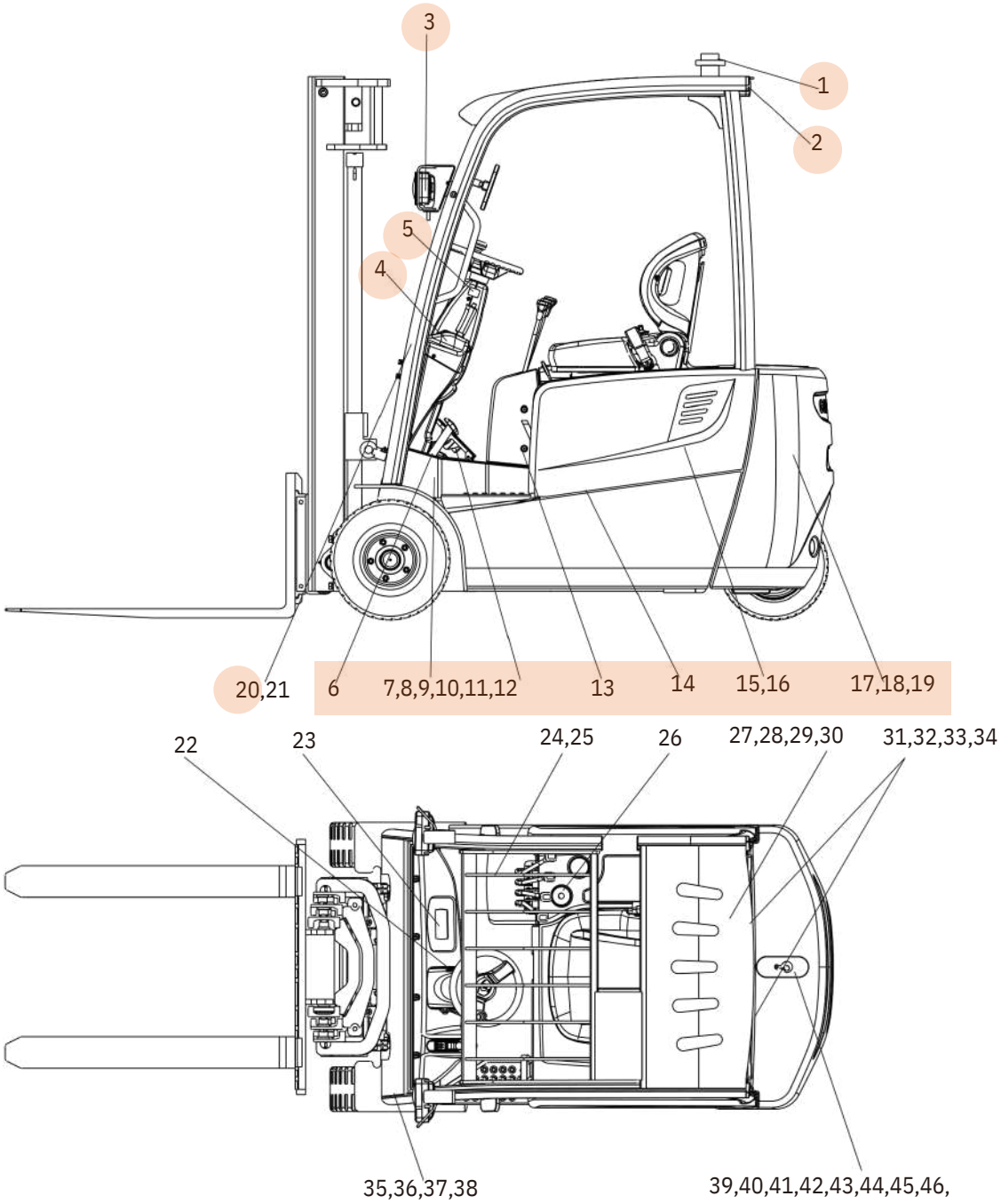
No.	Part No.	Description	Qty.	Remark
21	A15A2-00600	Right head guard harness	1	
22	DT02G-JK422	Key switch	1	
23	A16A2-00230	SME Meter ass'y	1	
24	A15A2-00209	Lift Switch	2	Choose a two-piece valve. Choose a three-piece valve. Choose a four-piece valve. Choose a two-piece valve. Choose a three-piece valve. Choose a four-piece valve.
-	A15A2-00209	Lift Switch	3	
-	A15A2-00209	Lift Switch	4	
25	A15A2-00209	Lifting switch bracket	2	
-	A15A2-00209	Lifting switch bracket	3	
-	A15A2-00209	Lifting switch bracket	4	
26	A15A2-00309	Lifting Potentiometers	1	
27	A16C7-40005	Bracket	1	
28	A15A2-00211	Emergency Stop Switch	1	
29	A15H2-02000	Pump motor	1	
30	A15H2-30210	Pump motor connecting U	1	
31	A15H2-30220	Pump motor connecting U	1	
32	A15H2-30230	Pump motor connecting U	1	
33	A16C2-00700	Controller unit	1	
34	GB/T5783	M10 x 25 Bolt	4	
35	GB/T97.1	10 Washer (Flat Pad)	4	
36	GB/T93	10 Washer lock	4	
37	A16E2-30100	Drive motor	2	
38	A15H2-30110	Pump motor connecting U end	1	



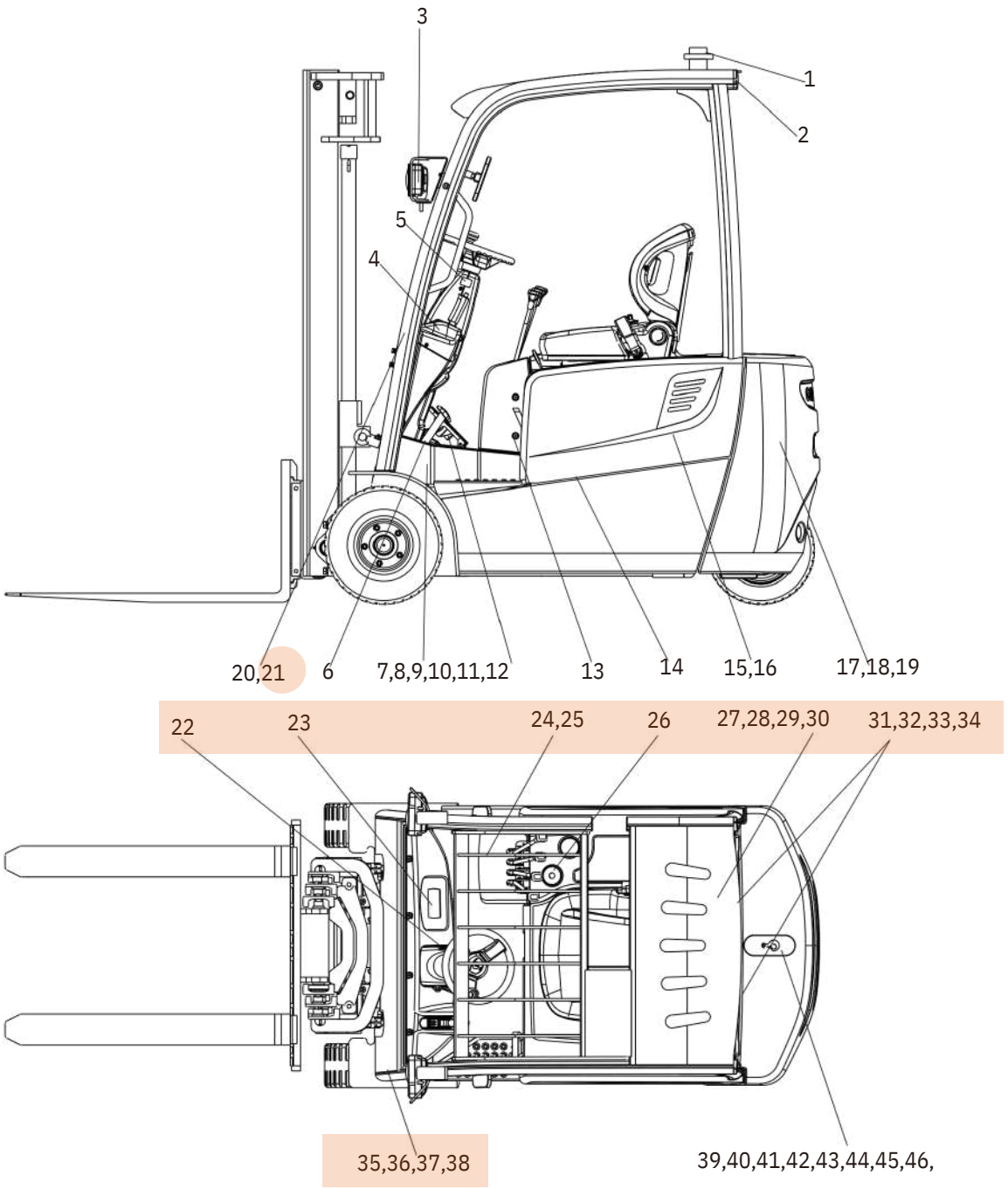
No.	Part No.	Description	Qty.	Remark
39	A15H2-30120	Pump motor connecting Cable V end	1	
40	A15H2-30130	Lift motor connecting cable W end	1	
41	A15A2-00206	DC isolation converter	1	
42	A15A2-00210	Fuse box	1	
43	DT09G-SG152	Flasher unit	1	
44	DT09G-DJB12B	Reversing buzzer	1	
45	DT06G-JD1914	Intermediate Relay	1	
46	GB/T823	M6 x 12 Screw	7	
47	GB/T97.1	6 Washer	7	
48	GB/T93	6 Washer lock	7	

2- ELECTRICAL SYSTEM

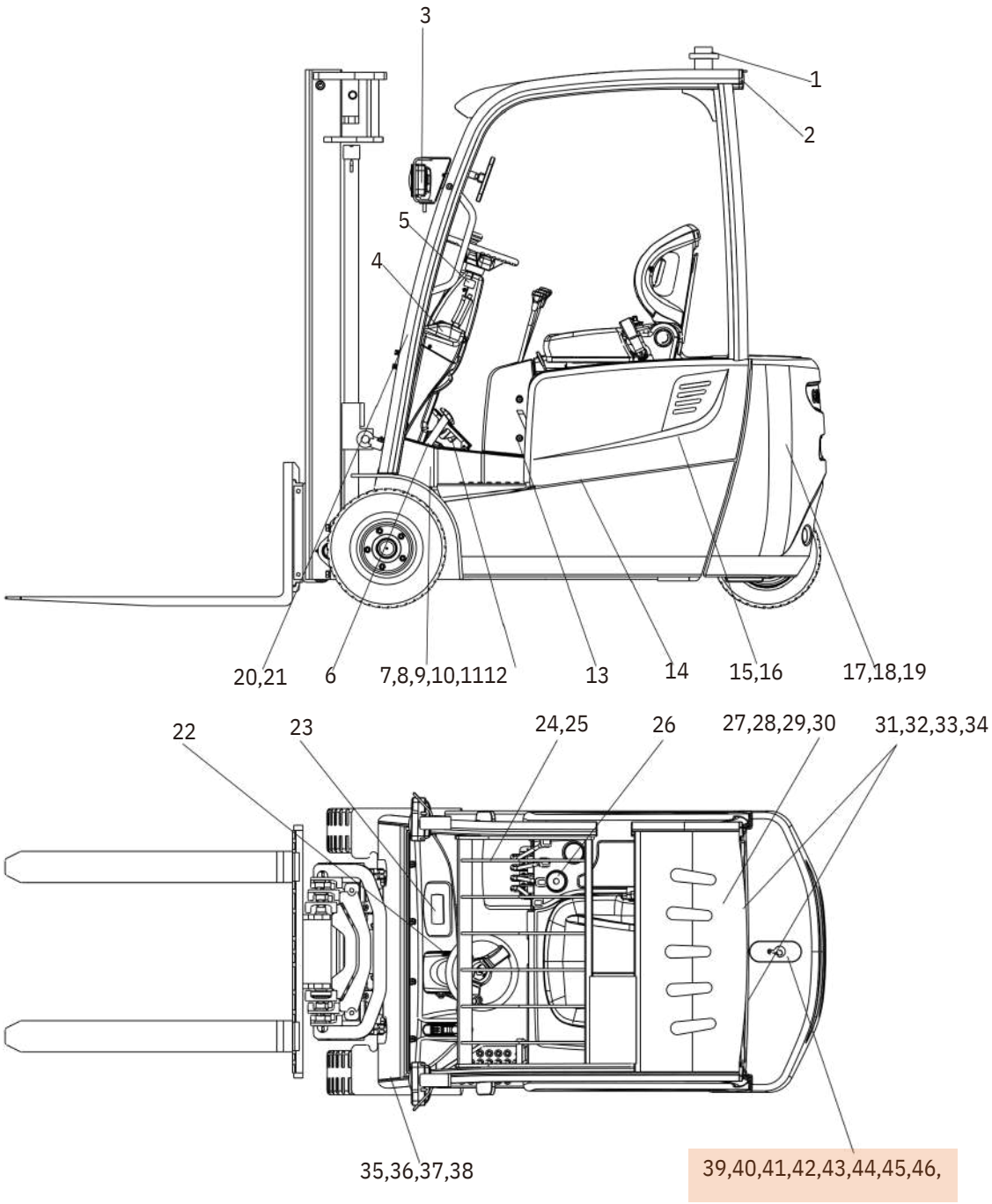
01- Electrical System TE16,18,20S-C2



No.	Part No.	Description	Qty.	Remark
1	DT04G-LTD125	Warning Light	1	
2	DT04G-12XH8-2	Rear lamp	1	
3	A15G2-40100	Front combined lamps	2	
4	A15A2-00202	Hand Brake switch	1	
5	DT02G-JK422	Key switch	1	
6	DT05G-JK205A	Foot brake lamp switch	1	
7	DT09G-DL124ED	Horn	1	
8	GB/T5783	M8 x16 Bolt	1	
9	GB/T97.1	8 Washer	1	
10	GB/T93	8Washer lock	1	
11	A15A2-00205	Horn speaker filter	1	
12	A15B2-00204	Accelerator	1	
13	A15A2-00401	Battery socket	1	
14	A16G2-80100	CURTIS Vehicle harness	1	
15	A16E2-20100	Battery	1	1.6-1.8 (standard) 490Ah
-	A16E2-20200	Battery	1	2t (standard) 560Ah
16	A16A2-00800	Battery charger	1	(standard)
-	A16A2-00801	Battery charger	1	optional
17	DT09G-ZJQ	Corner potentiometer	1	
18	GB/T5783	M4 x 35 Bolt	1	
19	GB/T93	4Washer lock	1	
20	A15A2-00500	Left head guard harness	1	



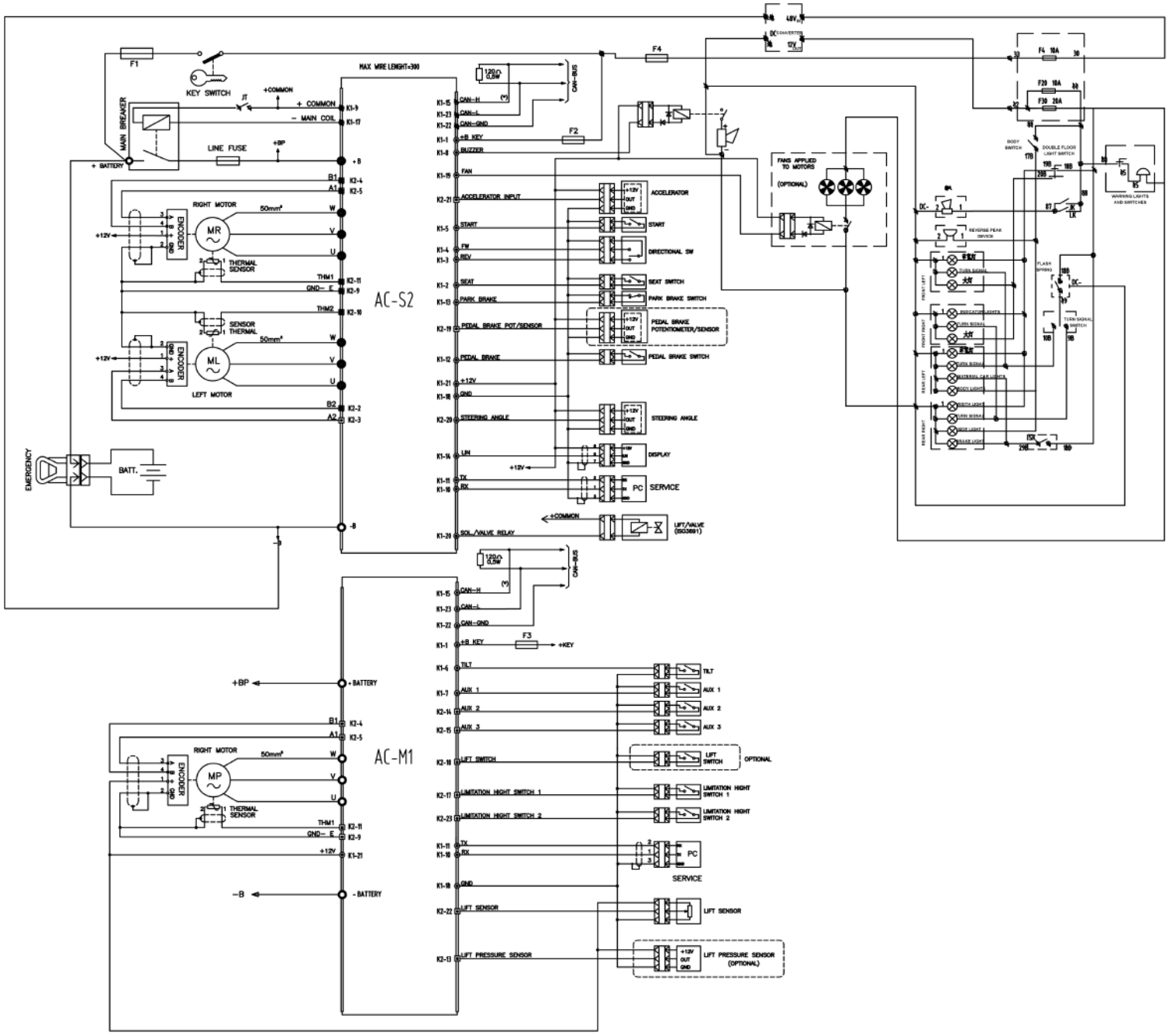
No.	Part No.	Description	Qty.	Remark
21	A15A2-00600	Right head guard harness	1	
22	DT02G-JK422	Key switch	1	
23	A15B2-00203	CURTIS Meter ass'y	1	
24	A15A2-00209	Lift Switch	2	Choose a two-piece valve.
-	A15A2-00209	Lift Switch	3	Choose a three-piece valve.
-	A15A2-00209	Lift Switch	4	Choose a four-piece valve.
25	A15A2-00209 ×1	Lifting switch bracket	2	Choose a two-piece valve.
-	A15A2-00209 ×1	Lifting switch bracket	3	Choose a three-piece valve.
-	A15A2-00209 ×1	Lifting switch bracket	4	Choose a four-piece valve.
26	A15A2-00211	Emergency Stop Switch	1	
27	DT08G-HPB8.6	pump motor	1	
28	A16G2-30310	Lift motor connecting cable U end	1	
29	A16G2-30320	Lift motor connecting cable V end	1	
30	A16G2-30330	Lift motor connecting cable W end	1	
31	A16G2-10100	Controller unit	1	
32	GB/T5783	M10 ×25 Bolt	4	
33	GB/T97.1	10 Washer	4	
34	GB/T93	10 Washer lock	4	
35	A16G2-30200	Drive motor	2	
36	A16G2-30210	Lift motor connecting cable U end	1	
37	A16G2-30220	Lift motor connecting cable V end	1	
38	A16G2-30230	Lift motor connecting cable W end	1	



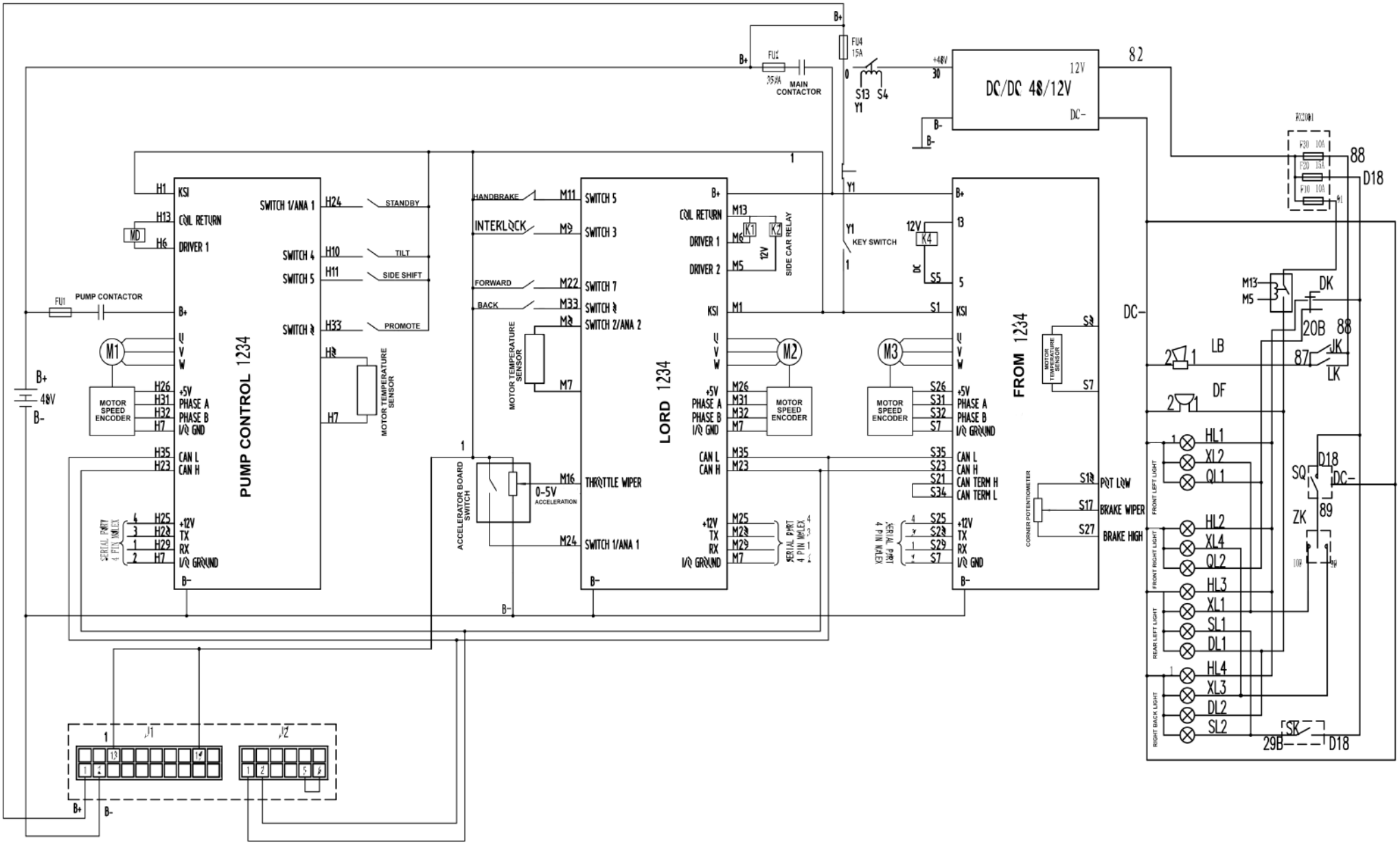
No.	Part No.	Description	Qty.	Remark
39	A15A2-00206	DC isolation converter	1	
40	A15A2-00210	Fuse box	1	
41	DT09G-SG152	Flasher unit	1	
42	DT09G-DJB12B	Reversing Buzzer	1	
43	DT06G-JD1914	Intermediate Relay	1	
44	GB/T823	M6 x 12 Screw	7	
45	GB/T97.1	6 Washer	7	
46	GB/T93	6 Washer lock	7	

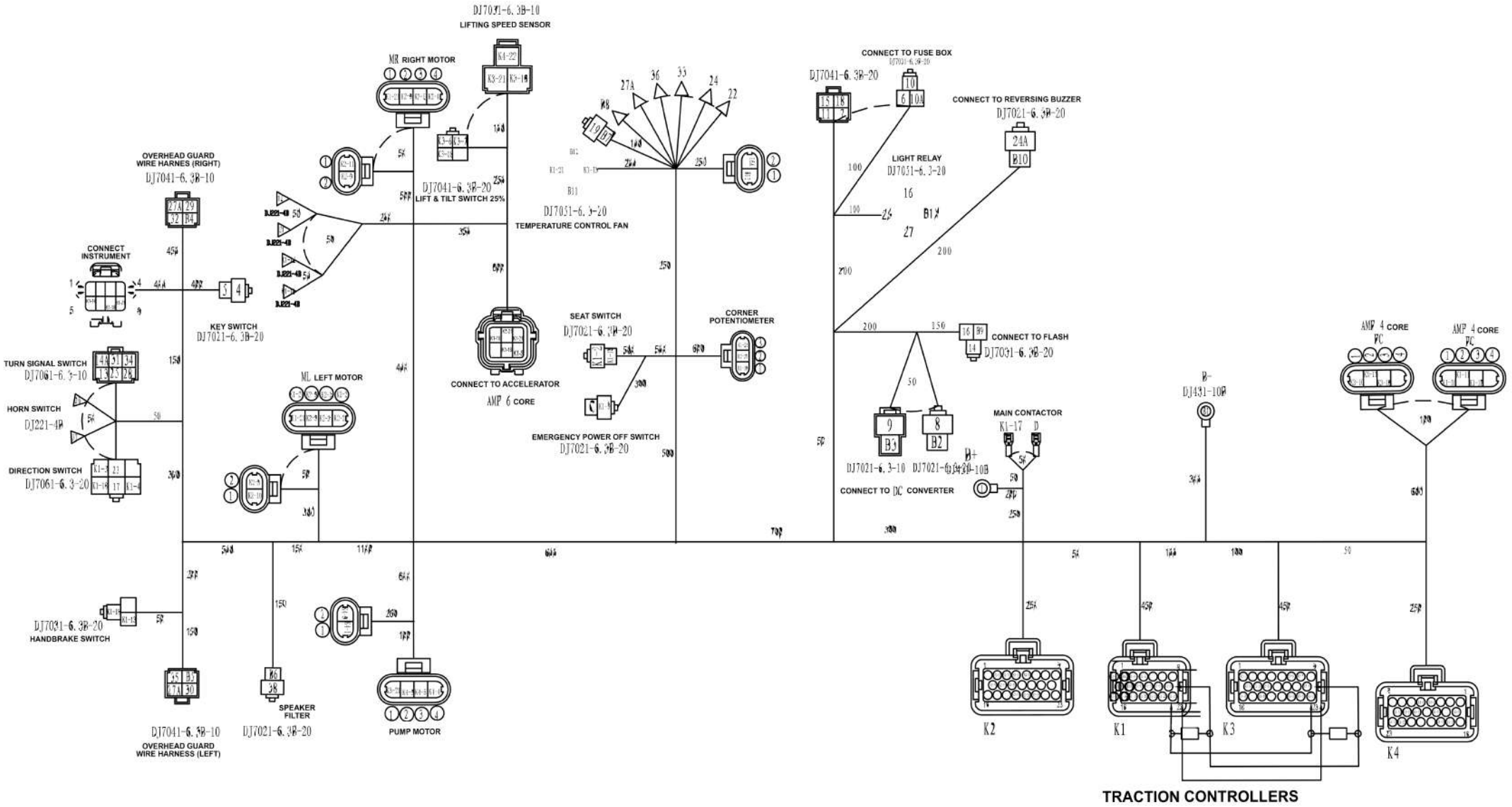
2- ELECTRICAL SYSTEM

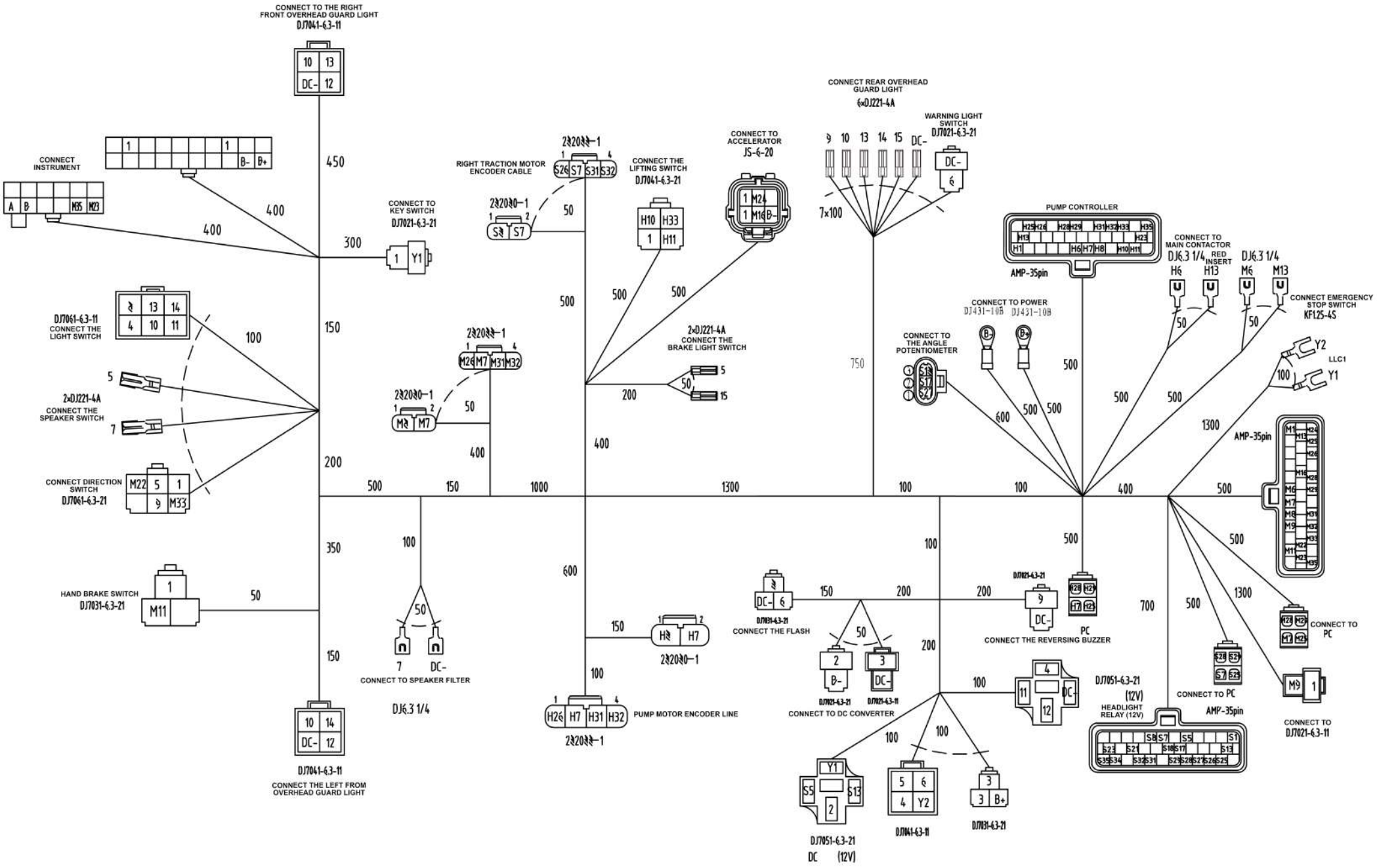
02- Electrical Schematic TE16,18,20S-S1



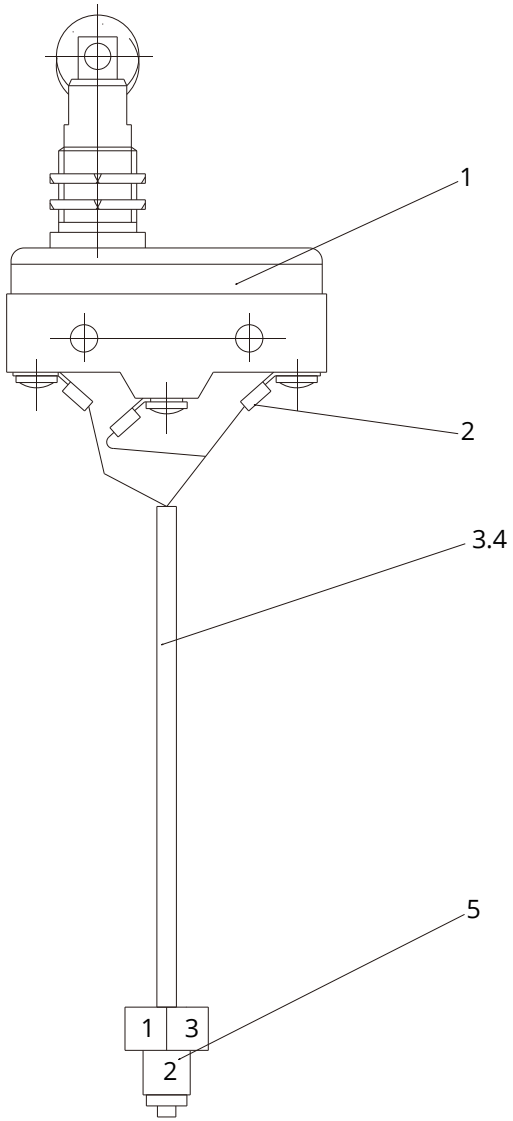
03- Electrical Schematic TE16,18,20S-C2




DJ7031-6.3B-10
LIFTING SPEED SENSOR
MR RIGHT MOTOR
OVERHEAD GUARD WIRE HARNES (RIGHT)
DJ7041-6.3B-10
DJ7041-6.3B-20
LIFT & TILT SWITCH 25%
DJ7031-6.3-20
TEMPERATURE CONTROL FAN
CONNECT TO FUSE BOX
DJ7041-6.3B-20
CONNECT TO REVERSING BUZZER
DJ7021-6.3B-20
LIGHT RELAY
DJ7031-6.3-20
CONNECT INSTRUMENT
KEY SWITCH
DJ7021-6.3B-20
CONNECT TO ACCELERATOR
AMP 6 CORE
SEAT SWITCH
DJ7021-6.3B-20
CORNER POTENTIOMETER
CONNECT TO FLASH
DJ7031-6.3B-20
TURN SIGNAL SWITCH
DJ7061-6.3-10
HORN SWITCH
DJ221-4B
ML LEFT MOTOR
EMERGENCY POWER OFF SWITCH
DJ7021-6.3B-20
DIRECTION SWITCH
DJ7061-6.3-20
DJ7021-6.3-10
DJ7021-6.3A20-10B
CONNECT TO DC CONVERTER
MAIN CONTACTOR
K1-17
B-
DJ431-10B
AMP 4 CORE PC
AMP 4 CORE PC
DJ7031-6.3B-20
HANDBRAKE SWITCH
SPEAKER FILTER
DJ7021-6.3B-20
PUMP MOTOR
DJ7041-6.3B-10
OVERHEAD GUARD WIRE HARNESS (LEFT)
K2
K1
K3
K4
TRACTION CONTROLLERS

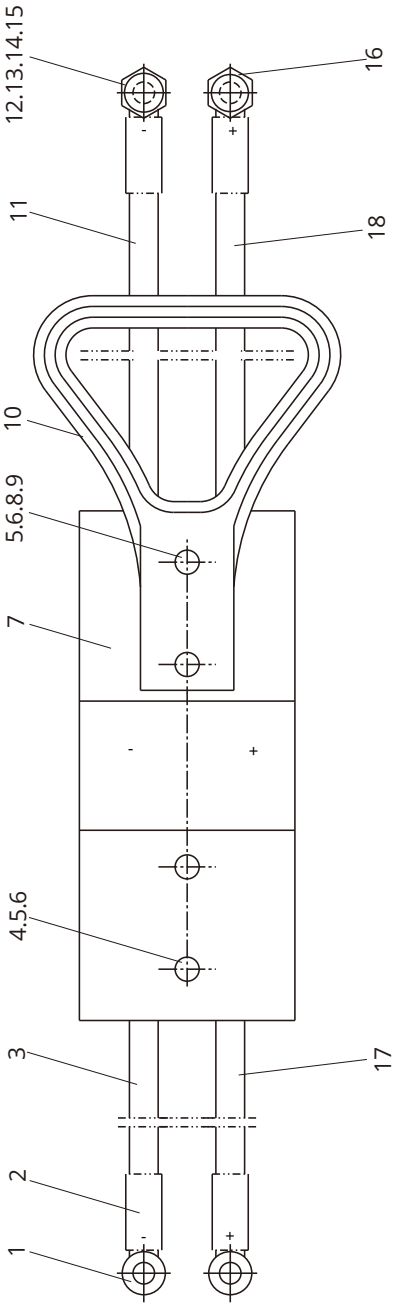

CONNECT TO THE RIGHT FRONT OVERHEAD GUARD LIGHT
DJ7041-6.3-11
CONNECT INSTRUMENT
CONNECT TO KEY SWITCH
DJ7021-6.3-21
RIGHT TRACTION MOTOR ENCODER CABLE
CONNECT THE LIFTING SWITCH
DJ7041-6.3-21
CONNECT TO ACCELERATOR
JS-6-20
CONNECT REAR OVERHEAD GUARD LIGHT
6×DJ221-4A
WARNING LIGHT SWITCH
DJ7021-6.3-21
PUMP CONTROLLER
AMP-35pin
CONNECT TO MAIN CONTACTOR
DJ6.3 1/4
RED INSERT
CONNECT EMERGENCY STOP SWITCH
KF1.25-4S
LLC1
DJ7061-6.3-11
CONNECT THE LIGHT SWITCH
2×DJ221-4A
CONNECT THE SPEAKER SWITCH
CONNECT DIRECTION SWITCH
DJ7061-6.3-21
2×DJ221-4A
CONNECT THE BRAKE LIGHT SWITCH
CONNECT TO THE ANGLE POTENTIOMETER
CONNECT TO POWER
DJ431-10B
HAND BRAKE SWITCH
DJ7031-6.3-21
CONNECT TO SPEAKER FILTER
DJ6.3 1/4
PUMP MOTOR ENCODER LINE
CONNECT THE FLASH
CONNECT TO DC CONVERTER
CONNECT THE REVERSING BUZZER
PC
DJ7051-6.3-21
(12V)
HEADLIGHT RELAY (12V)
CONNECT TO PC
CONNECT TO DJ7021-6.3-11
CONNECT THE LEFT FROM OVERHEAD GUARD LIGHT
DJ7041-6.3-11
DJ7051-6.3-21
DC (12V)

06- Hand Brake Switch



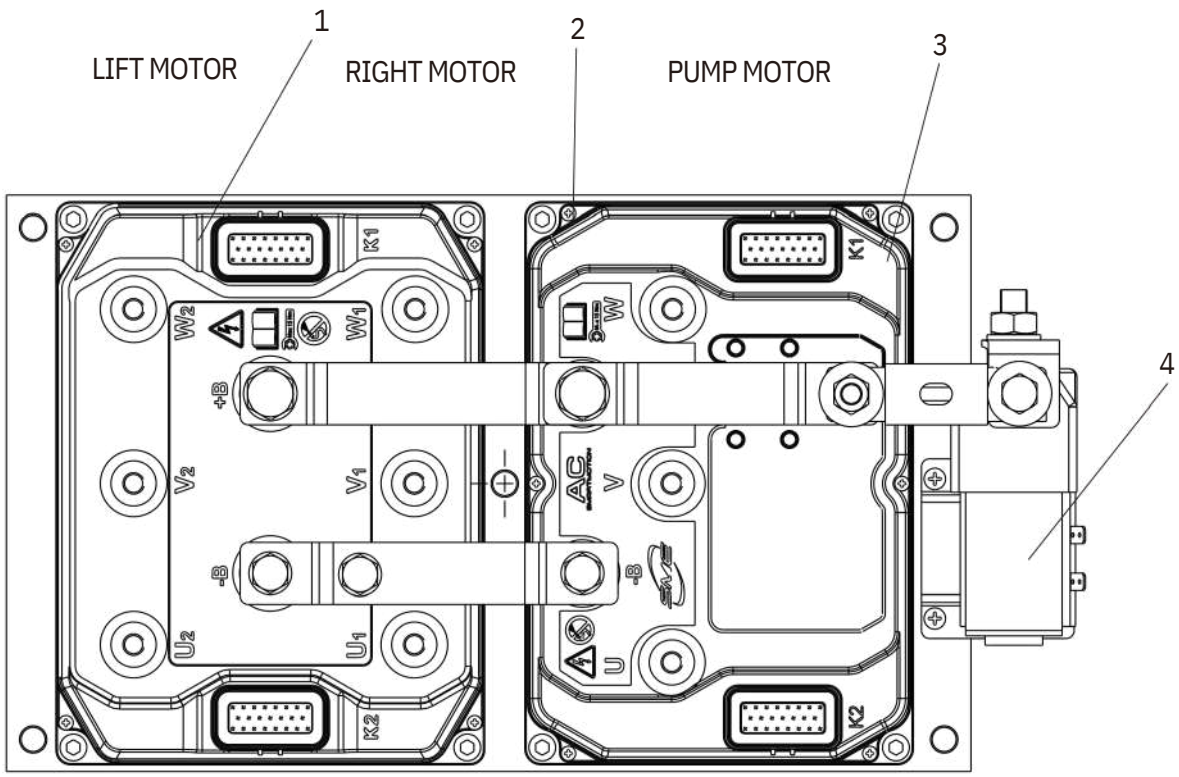
No.	Part No.	Description	Qty.	Remark
1	A15A2-00202	Micro distance switch	1	
2	DJ431-4	Chip-shaped hole terminal block	3	
3		5 L=110 Black casing	1	
4	QVR	1mm)Soft wire(section=1mm)	1	
5	DJ2031-6.3-20	2-core composite plug	1	

07- Battery Socket Assembly



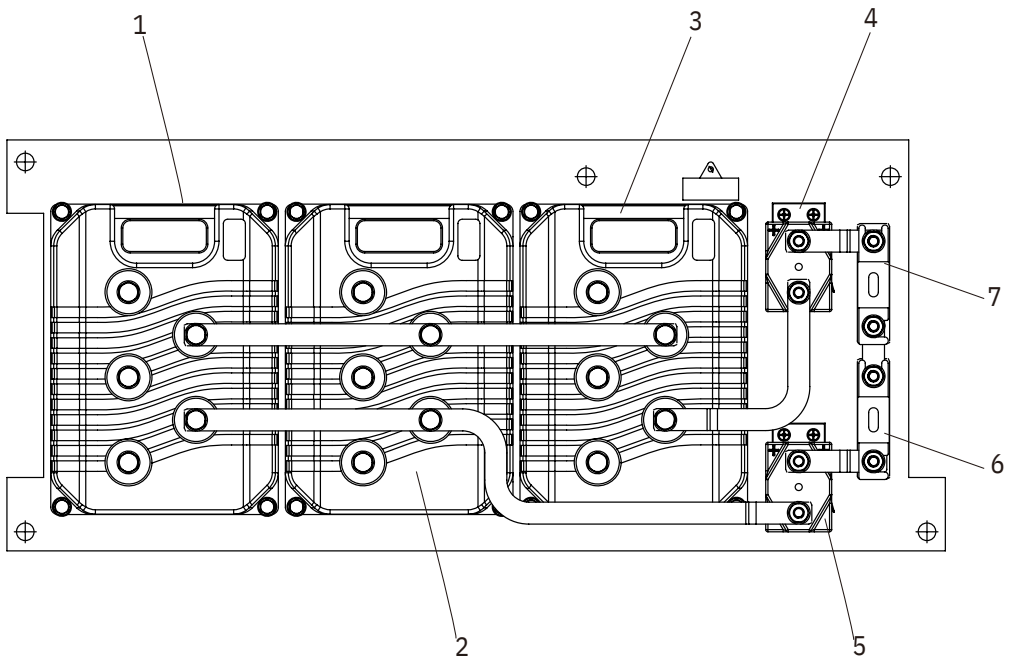
No.	Part No.	Description	Qty.	Remark
1	QT35-8	8 Connector	3	
2		φ16× heat shrinkable tube	4	
3	YHHRD	35mm2,L=2500 Cable	1	TE16,18,20S-S1
-	YHHRD	35mm,L≧1900 Cable	1	TE16,18,20S-C2
4	GB/T65	45-Zn.D Screw	2	
5	GB/T93	6 Washer,lock	4	
6	GB/T97.1	6 Washer	6	
7	SB175	2-wire composite socket	2	
8	GB/T65	40-Zn.D Screw	2	
9	G/TB6170	M6-Zn.D Nut	2	
10	A15A2-00401	Pulling Handle	1	
11	YHHRD	35mm2,L=1100 Cable	1	
12	GB/T5783	M8×25 Bolt	2	
13	GB/T6170	M8 Nut	2	
14	GB/T97.1	8 Washer	2	
15	GB/T93	8 Washer, lock	2	
16	QT50-10	10 Connector	1	
17	YHHRD	35mm2,L=2400 Cable	1	TE16,18,20S-S1
-	YHHRD	35mm,L≧2100 Cable	1	TE16,18,20S-C2
18	YHHRD	35mm2,L=700 Cable	1	

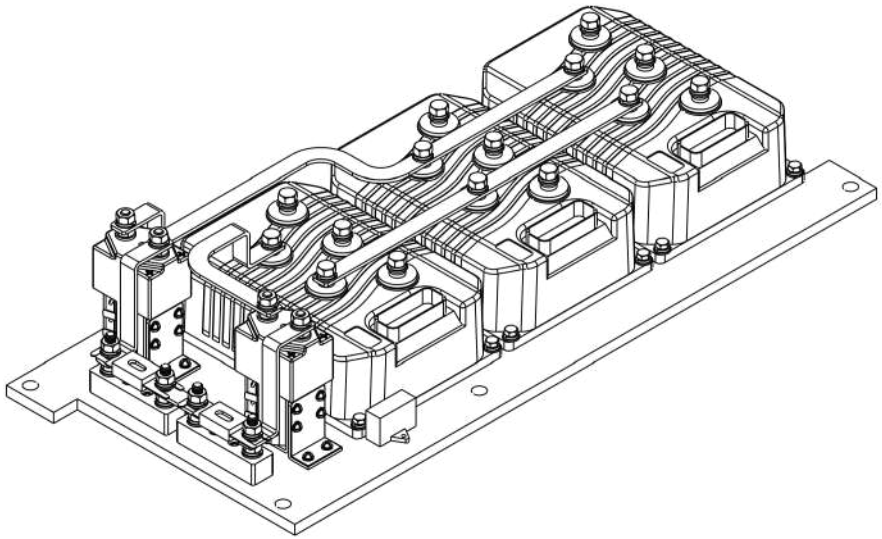
08- Controller Assembly TE16,18,20S-S1



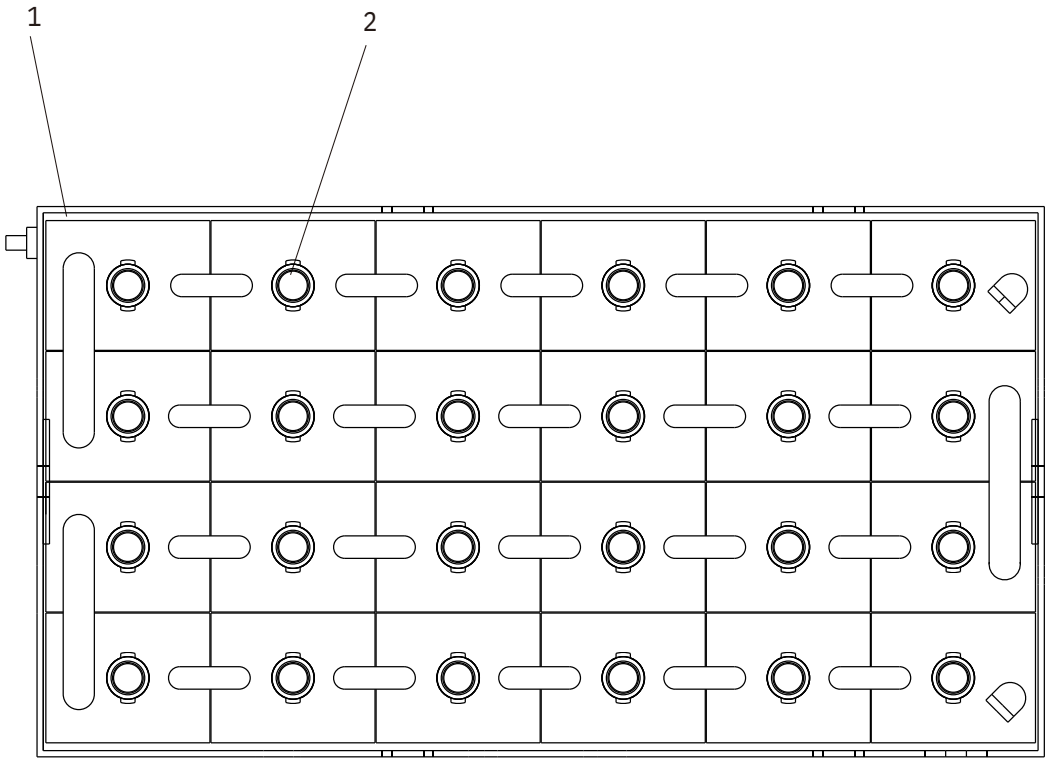
No.	Part No.	Description	Qty.	Remark
A	A16C2-00700	SME Controller ass'y	1	
1	A16C2-00701	Driver module	1	
2	A16C2-00702	Pump control module	1	
3	A16C2-00703	Fuse	1	
4	A16C2-00704	Main contactor	1	

09- Controller Assembly TE16,18,20S-C2





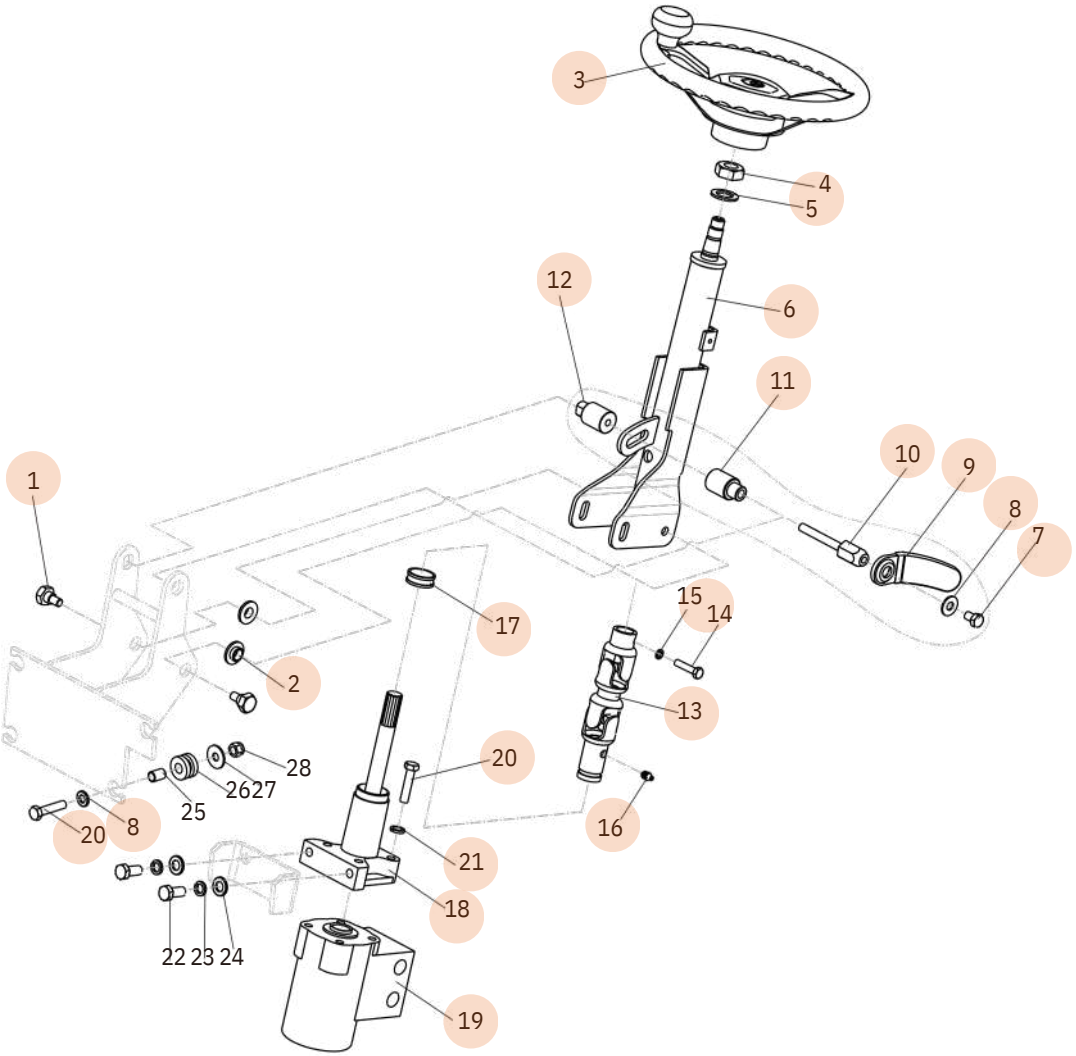
No.	Part No.	Description	Qty.	Remark
A	A16G2-10100	CURTIS Controller ass'y	1	
1	A16G2-10101	Towing traction main controller	1	
2	A16G2-10102	Towing slave controller	1	
3	A16G2-10103	Oil pump main controller	1	
4	A16G2-10104	Oil pump main contactor	1	
5	A16G2-10105	Tow main contactor	1	
6	A16G2-10105	Traction controller fuse	1	
7	A16G2-10106	Oil pump controller fuse	1	



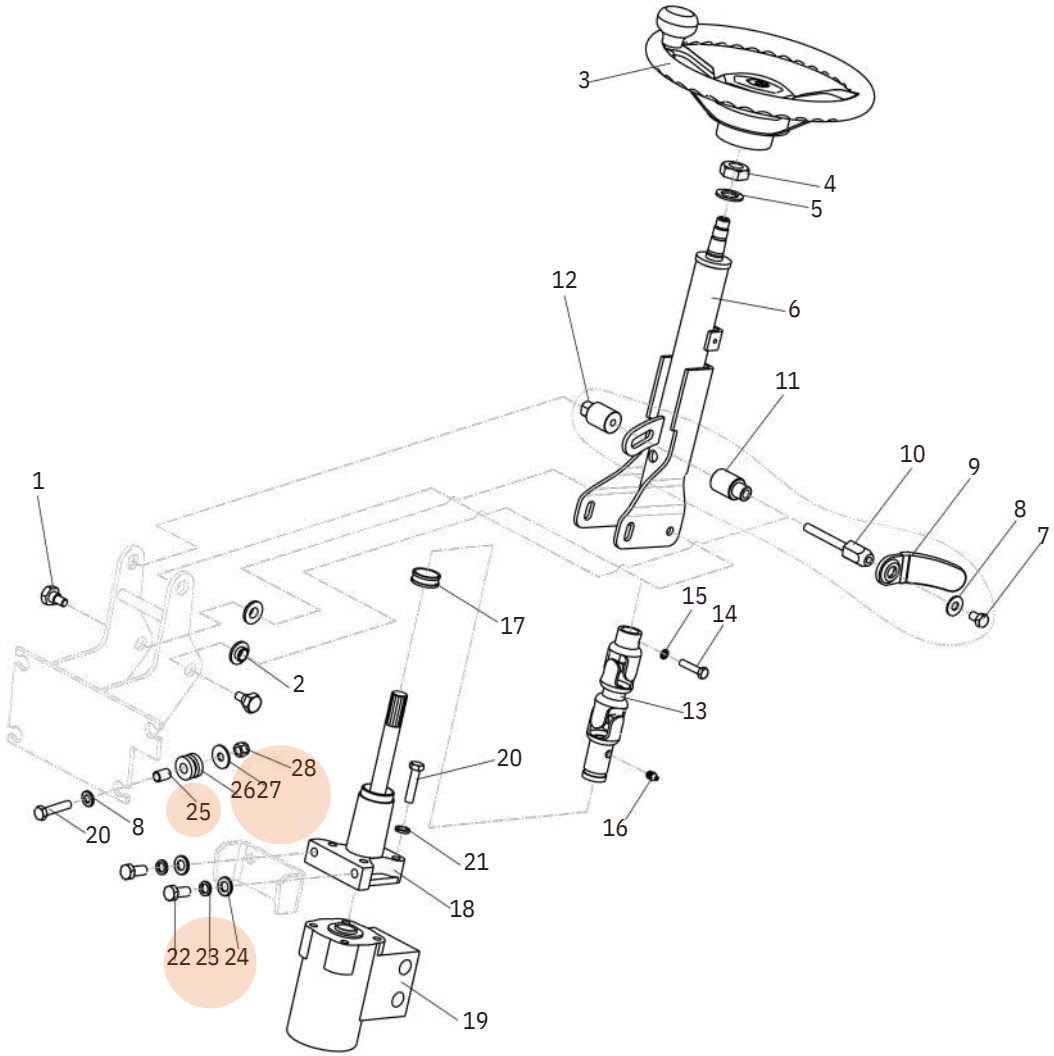
No.	Part No.	Description	Qty.	Remark
A	A16E2-20100	Battery ass'y	1	TE16,18S-S1/C2
-	A16E2-20200	Battery ass'y	1	TE20S-S1/C2
1	A16E2-20110	Battery Box	1	TE16,18,20S-S1/C2
2	7DB490	Battery	24	TE16,18S-S1/C2
-	7DB560	Battery	24	TE20S-S1/C2

3- STEERING SYSTEM

01- Steering Control



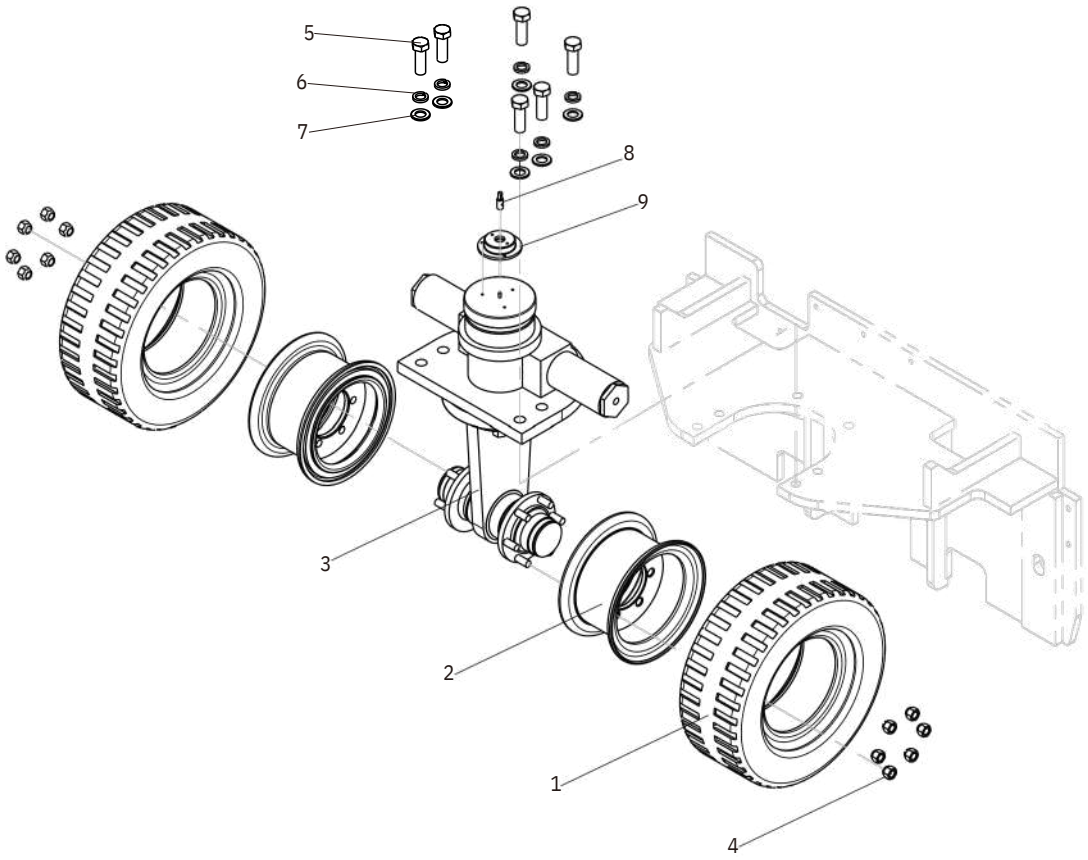
No.	Part No.	Description	Qty.	Remark
1	A30A6-00005	Bolt	2	
2	A30A6-00004	Washer	2	
3	A15A6-00200	300 Wheel,Steering ass'y	1	
4	GB/T6171	M16 × 1.5 Nut	1	
5	GB/T97.1	16 Washer	1	
6	A15G6-00100	Steering column	1	
7	GB/T5783	M10 × 65 Bolt	1	
8	GB/T97.1	10 Washer	5	
9	A15G6-00204	Lever	1	
10	A15G6-00203	Adjustment Bolt	1	
11	A15G6-00202	Clamping sleeve	1	
12	A15G6-00201	Clamping sleeve	1	
13	A30C6-00200	universal Joint Assembly	1	
14	GB/T5783	M8 x 45 Bolt	1	
15	GB/T93	8 Washer,lock	1	
16	JB/T7940.1	Straight-through pressure oil cup	1	
17	A30C6-00004	Seal cover	1	
18	A30C6-00300	Link ass'y	1	
19	A16A4-40000	Redirector	1	
20	GB/T5783	M10 × 45 Bolt	8	
21	GB/T93	10 Washer,lock	4	



No.	Part No.	Description	Qty.	Remark
22	GB/T5786	M12 × 1.25× 25 Bolt	2	
23	GB/T93	12 Washer,lock	2	
24	GB/T97.1	12 Washer	2	
25	D30A1-20002	Rubber vibration absorbing pad	4	
26	A30A7-40001	Pipe casing	4	
27	A30A5-20003	Washer	4	
28	GB/T889.1	M10 Nut (non-metallic insert hexagonal lock nut)	4	

3- STEERING SYSTEM

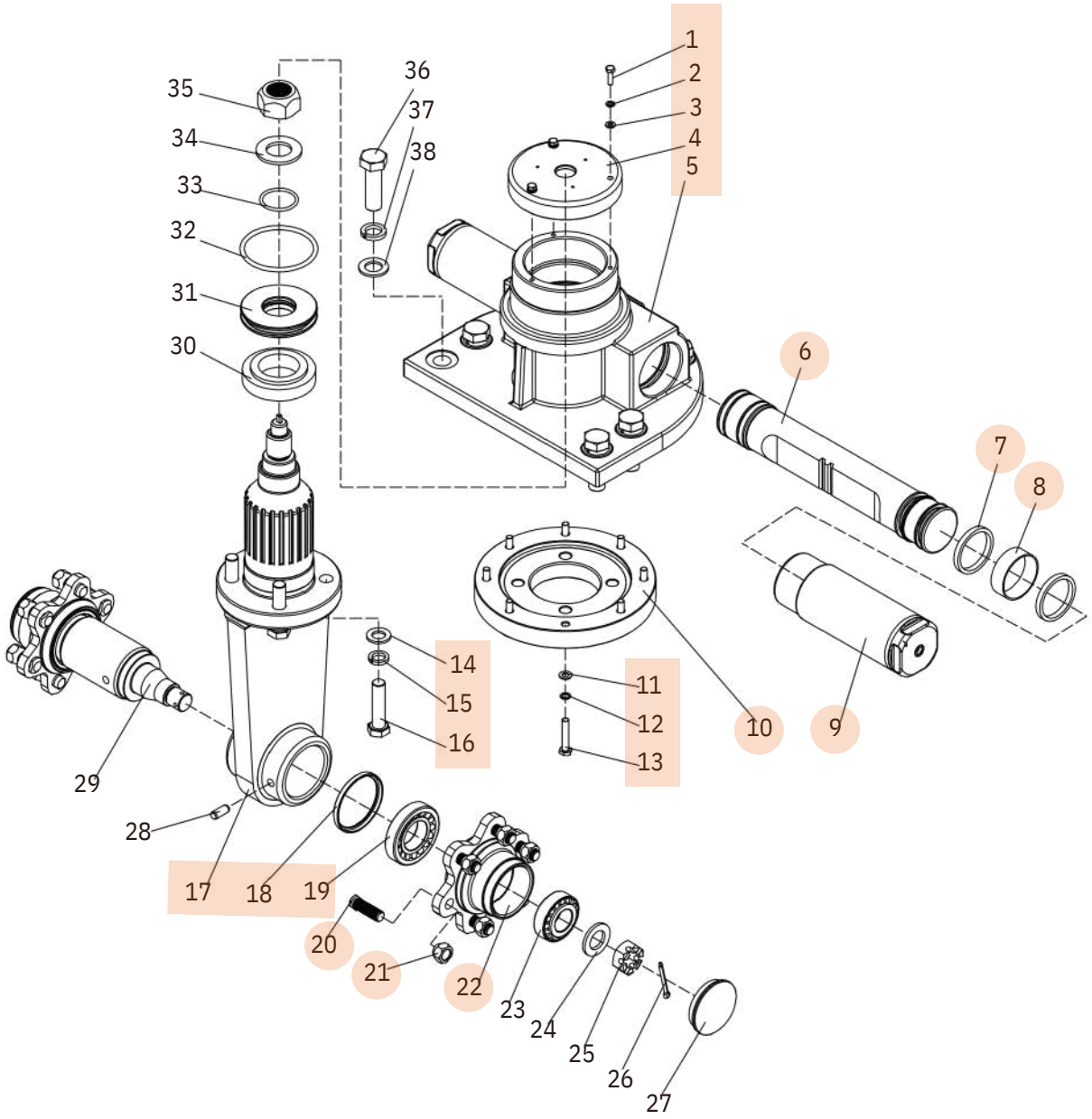
02- Steering Axle & Steering Wheel Assembly



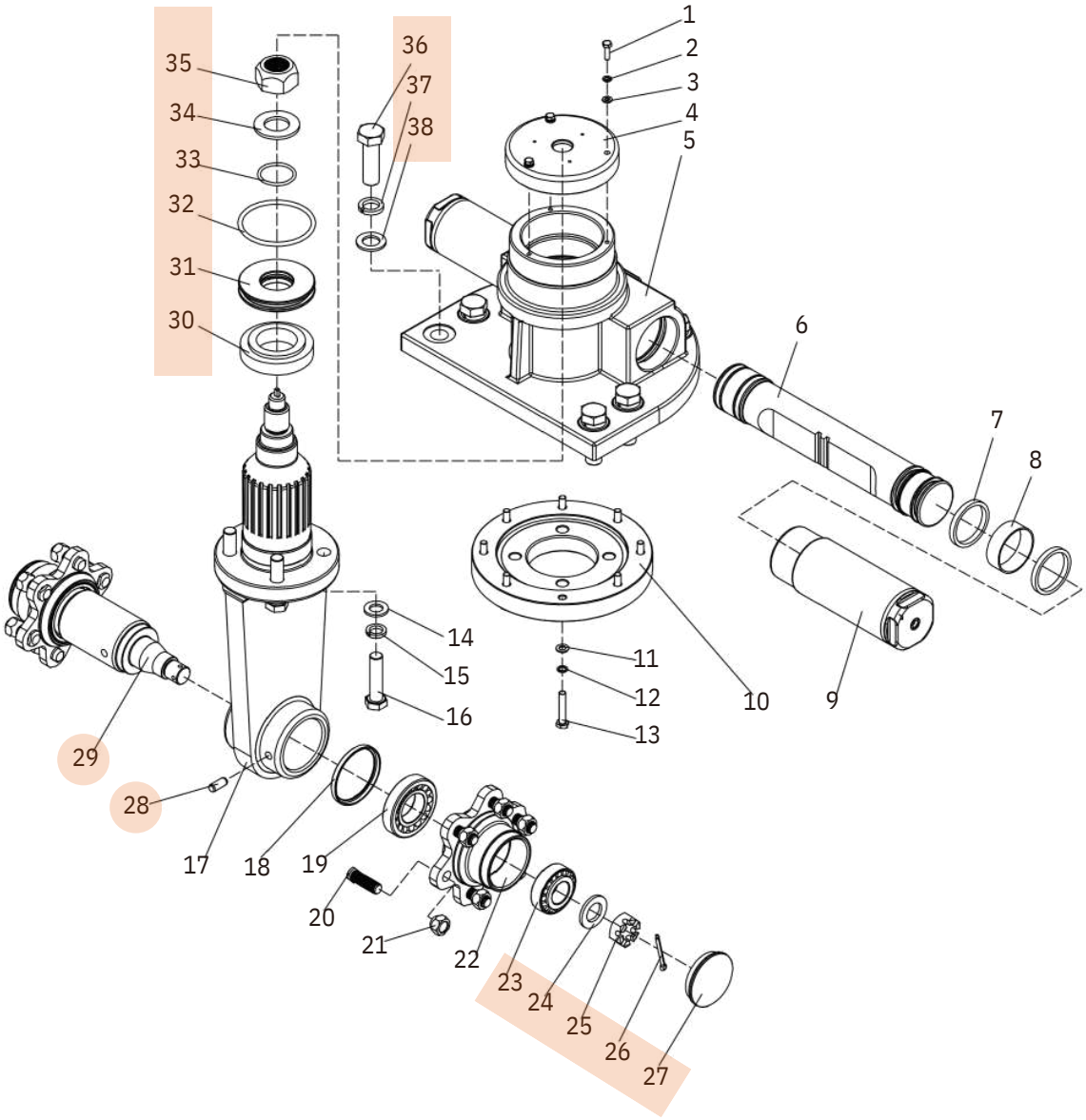
No.	Part No.	Description	Qty.	Remark
1	GB/T10823	16x 6-8 Tire	2	
2	A16E6-10200	Rim ass'y	2	
3	A16E6-10100	Steering Axle ass'y	1	
4	A16E6-10101	Hub Nut	12	
5	GB/T5782	M20 x 1.5 x 60 Bolt	6	
6	GB/T93	20 Washer, lock	6	
7	GB/T97.1	20 Washer	6	
8	A16E6-10002	Screw	1	
9	A16E6-10001	Cap	1	

3- STEERING SYSTEM

03- Steering Axle Assembly



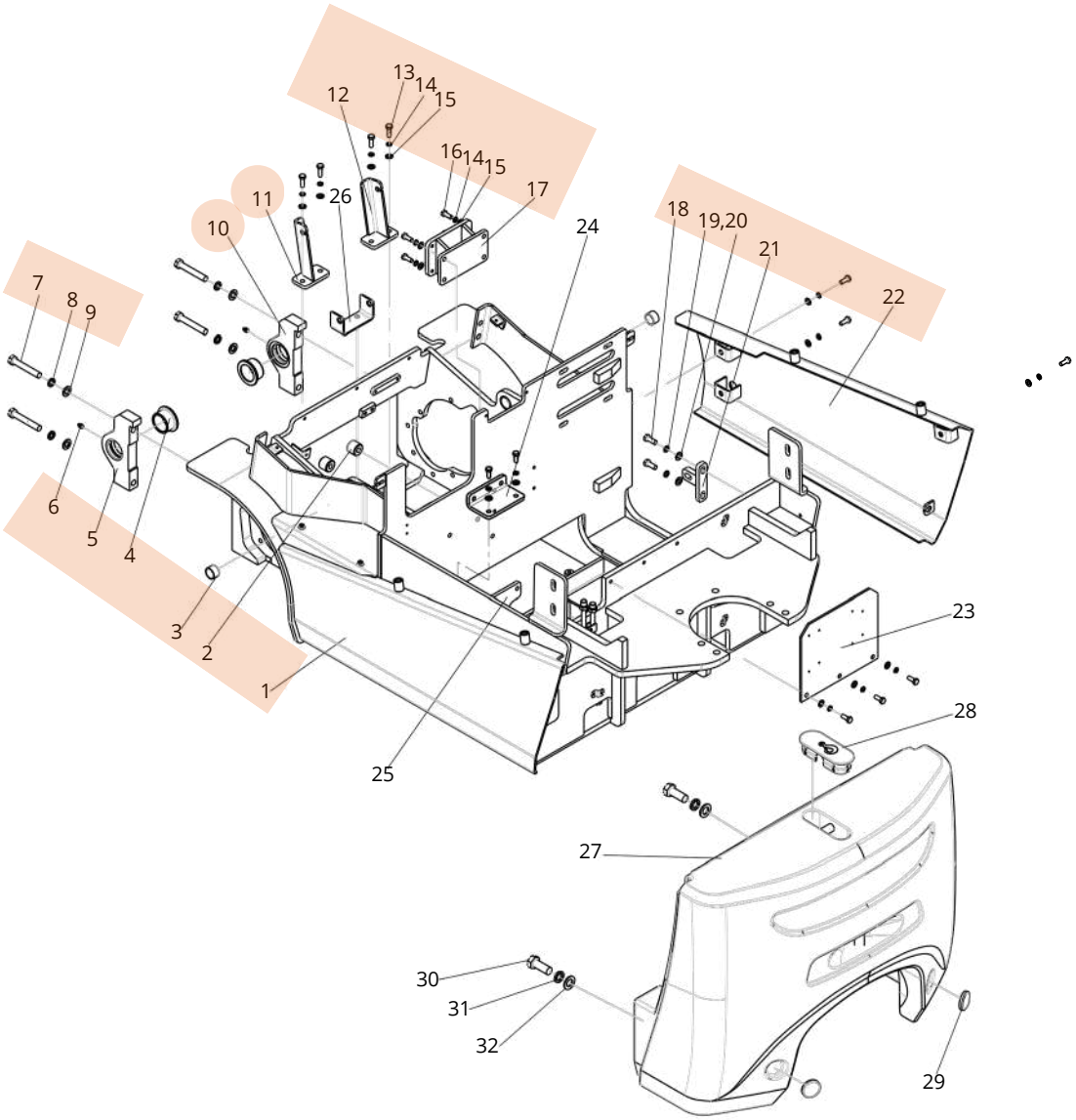
No.	Part No.	Description	Qty.	Remark
1	GB/T5783	M6 x 20 Bolt	3	
2	GB/T93	6Washer lock	3	
3	GB/T97.1	6 Washer	3	
4	A16E6-10101	Rear cover	1	
5	A16E6-10102	Steering Support	1	
6	A16E6-10103	Piston rod body	1	
7	A16E6-10104	O-Ring	4	
8	A16E6-10105	Support ring	2	
9	A16E6-10106	Cylinder ass'y	2	
10	A16E6-10107	Rotary support	1	
11	GB/T97.1	8 Washer	8	
12	GB/T93	8 Washer lock	8	
13	GB/T5782	M8 x 45 Bolt	8	
14	GB/T97.1	16 Washer	4	
15	GB/T93	16 Washer lock	4	
16	GB/T5782	M16 × 55 Bolt	4	
17	A16E6-10108	Gear shaft	1	
18	A16E6-10109	Oil seal	2	
19	GB/T297	30208 Bearing	2	
20	A16E6-10110	Hub Bolt	12	
21	A16E6-10111	Hub Nut	12	
22	A16E6-10112	Hub	2	



No.	Part No.	Description	Qty.	Remark
23	GB/T297	30206 Bearing	2	
24	GB/T97.1	24 Washer	2	
25	A16E6-10113	M24 x 2 Nut	2	
26	GB/T91	5 x 45 Pin	2	
27	A16E6-10114	Hub cover	2	
28	GB/T120	24 Pin	1	
29	A16E6-10115	Steering axle	1	
30	GB/T297	30210 Bearing	1	
31	A16E6-10116	Bushing	1	
32	GB/T3452.1	5.3 O-Ring	1	
33	GB/T3452.1	3.55 O-Ring	1	
34	A16E6-10117	30 Washer	1	
35	GB/T6185	M30 x 2 Nut	1	
36	GB/T5785	M20 x 1.5 x 65 Bolt	6	
37	GB/T93	20 Washer lock	6	
38	GB/T97.1	20 Washer	6	

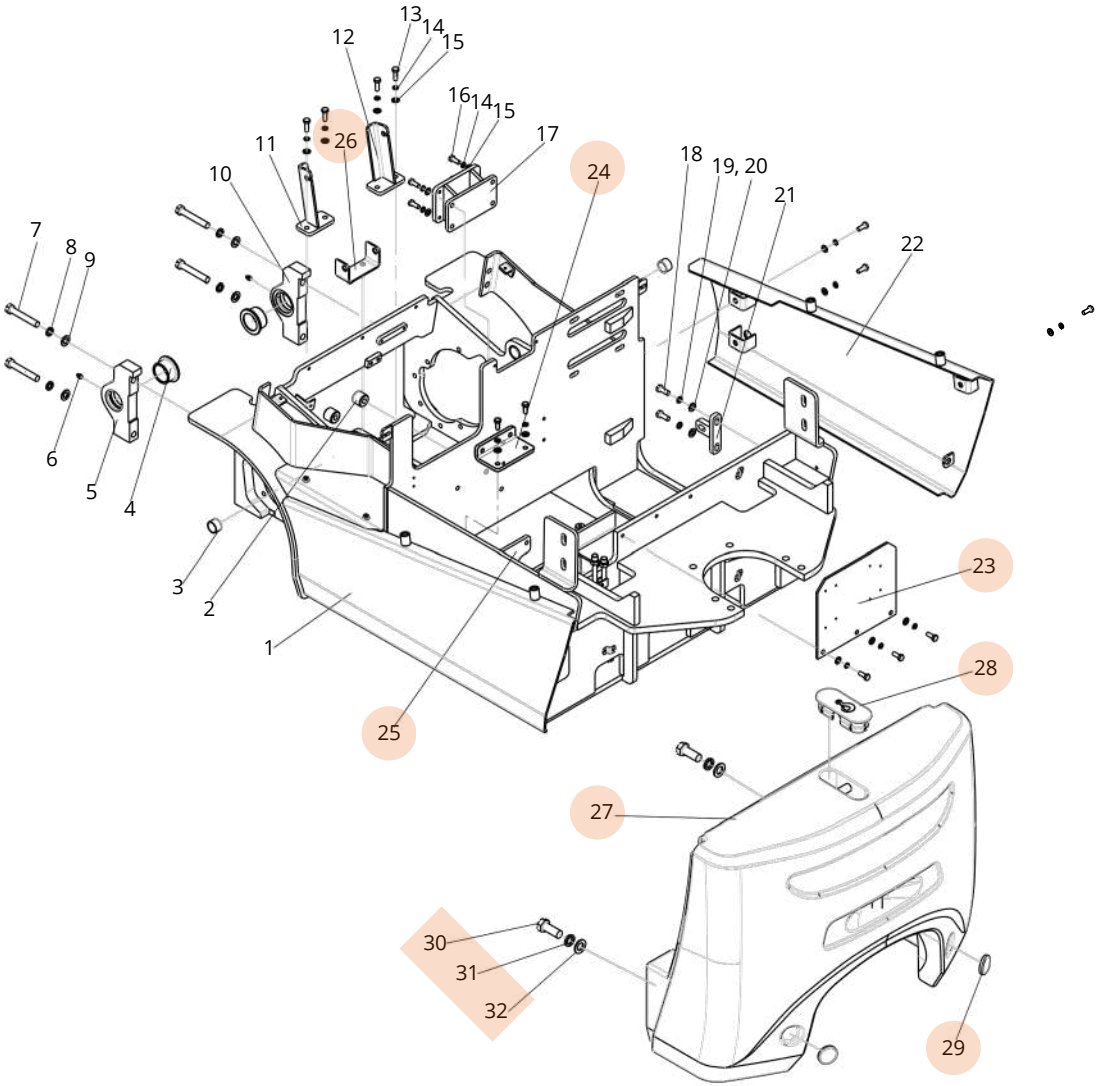
4- BODY SYSTEM

01- Frame & Counter Weight



No.	Part No.	Description	Qty.	Remark
1	D16E1-10100	Frame	1	
2	D16E1-10007	Motor block	2	
3	M15C3-00001	Steel-back Bearing	2	
4	D16E1-10003	Flange Bearing	2	
5	D16E1-10001	Mast support cap (Left)	1	
6	JB/T7940.1	Straight-through pressure oil cup M10x1	2	
7	GB/T5785	M16 x 1.5 x 90 x 30 Bolt	4	
8	GB/T93	16 Washer,lock	4	
9	GB/T97.1	16 Washer	4	
10	D16E1-10002	Mast support cap (Right)	1	
11	D16E1-10800	Hand brake bracket (Left)	1	
12	D16E1-10700	Hand brake bracket (Right)	1	
13	GB/T5783	M10 x 30 Bolt	4	
14	GB/T93	10 Washer,lock	16	
15	GB/T97.1	10 Washer	1	
16	GB/T5783	M10 x 25 Bolt	6	
17	D16E1-10600	Foot brake mounting bracket	1	
18	GB/T5783	M12 x 30 Bolt	2	
19	GB/T93	12 Washer,lock		
20	GB/T97.1	12 Washer		
21	D25G1-10800	Battery bracket		
22	D16E1-10900	Right plate ass'y		

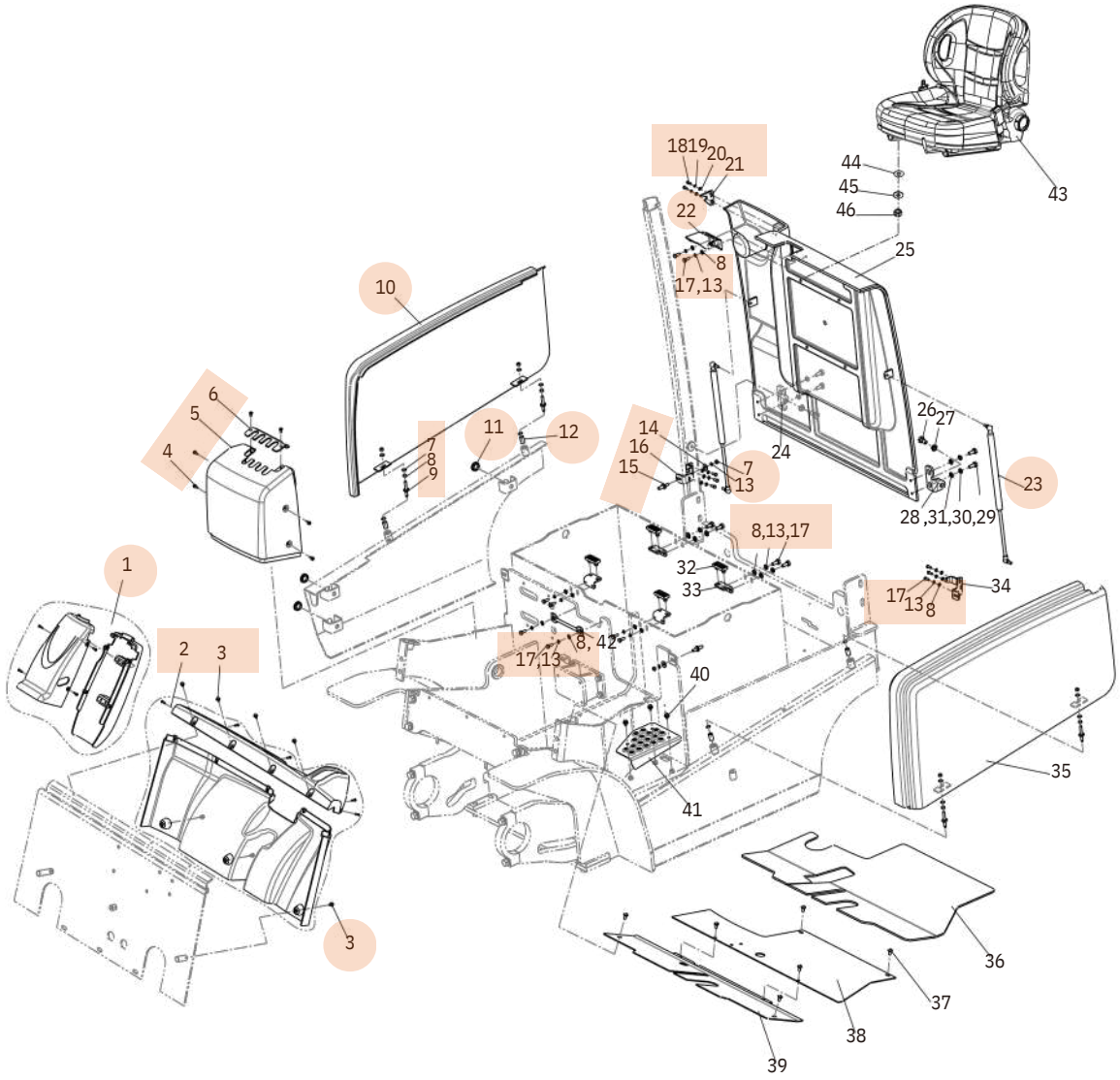
1
2
2
2
1
1



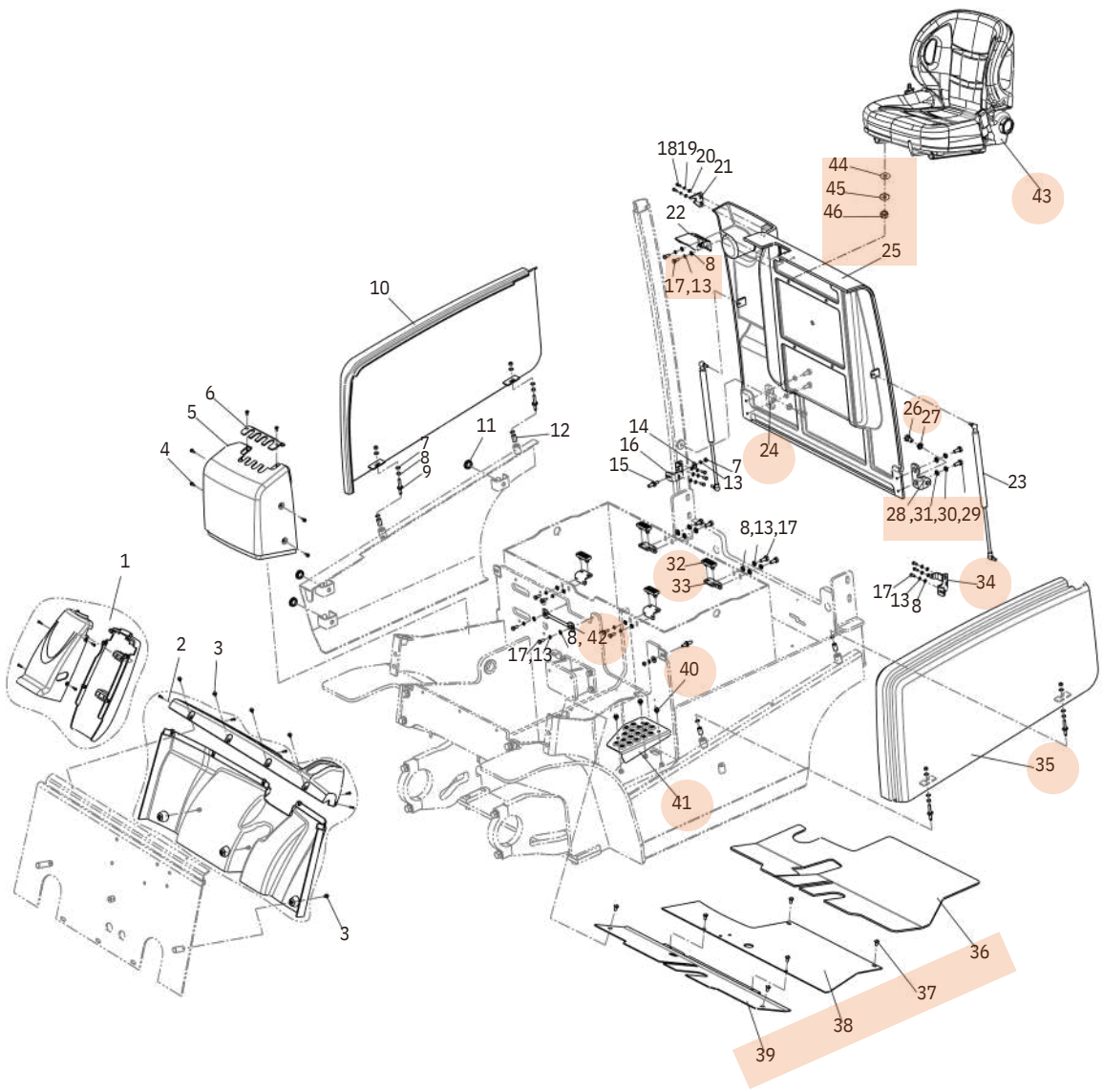
No.	Part No.	Description	Qty.	Remark
23	D16E1-10004	Electrical installation plate	1	
24	A16E1-10005	Pump motor bracket	1	TE16/18/20S-S1
25	A16G1-10001	Pump motor bracket	1	TE16/18/20S-C2
26	A16G1-10002	Brake pipe bracket	1	TE16/18/20S-C2
27	D16E1-50001	Balanced Counter Weight	1	TE16S-S1/C2
-	D18E1-50001	Balanced Counter Weight	1	TE18S-S1/C2
-	D20E1-50001	Balanced Counter Weight	1	TE20S-S1/C2
28	D25G1-50002	Decorative cover	1	
29	D15G1-50002	Reflectorlamp	2	
30	GB/T5783	M24 x 60 Bolt	1	
31	GB/T93	24 Washer,lock	1	
32	D15G1-50009	24 Washer	1	

4- BODY SYSTEM

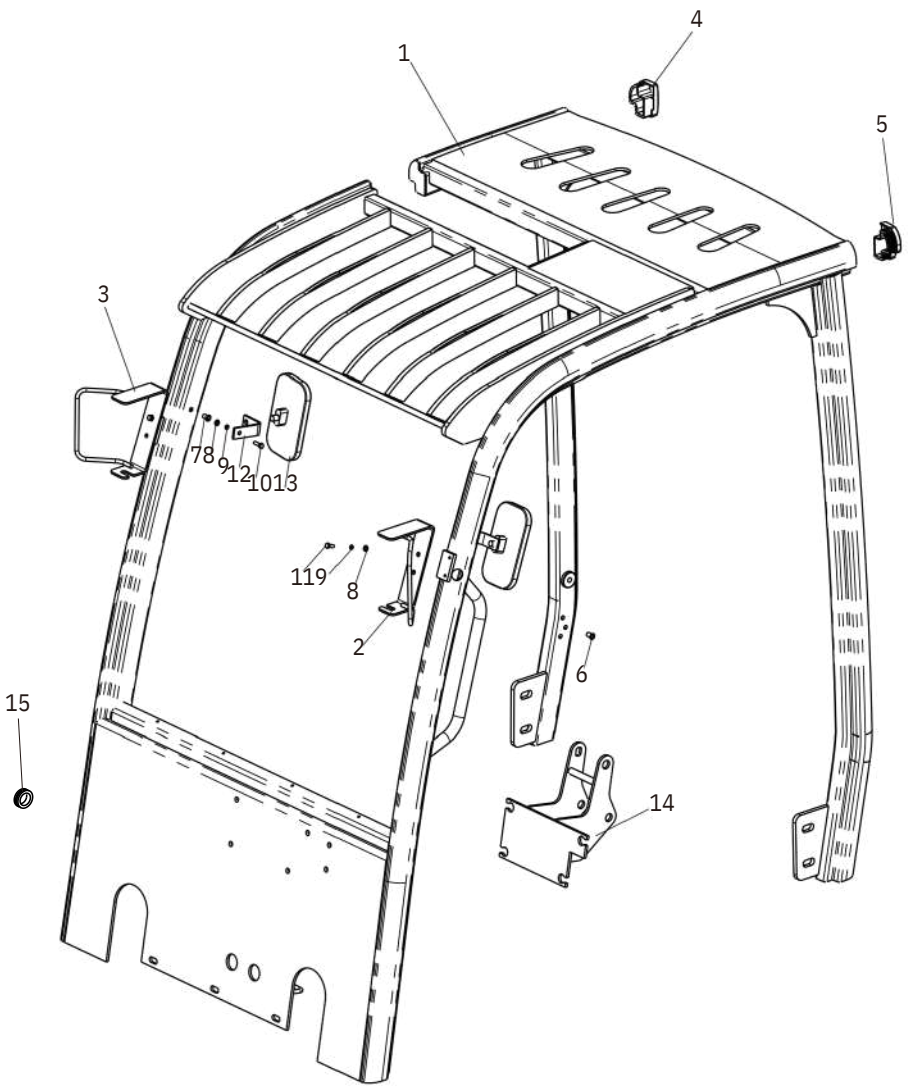
02- Hood, Floor Board & Seat



No.	Part No.	Description	Qty.	Remark
1	D15G1-20020	String covering ass'y	1	
2	D15G1-20010	Cabinet covering ass'y	1	TE16/18/20S-S1
-	D15G1-20030	Cabinet covering ass'y	1	TE16/18/20S-C2
3	GB/T5789	M6 x 12 Bolt	7	
4	GB/T818	M6 x 12 Bolt	6	
5	D15G1-20002	Front shade	1	
6	D15G1-20003	Cover plate	1	
7	GB/T6170	M8 Nut	12	
8	GB/T97.1	8 Washer	26	
9	D25G1-20013	Pin	4	
10	D16E1-20200	Side cover (right)	1	
11	D30A1-20001	Decorative covers	3	
12	D25G1-20015	Rubber boot	4	
13	GB/T93	8 Washer,lock	22	
14	GB/T96	8 Washer	4	
15	D25G1-20012	Pin	4	
16	D16E1-20600R	Composite scaffold (right)	1	
17	GB/T5783	M8 x 20 Bolt	26	
18	GB/T5783	M6 x 25 Bolt	2	
19	GB/T93	6 Washer,lock	2	
20	GB/T97.1	6 Washer	2	
21	D15G1-20017	Catch plate	1	
22	D15G1-20400	Elastic locking ass'y	1	
23	D30C1-20008	Shock,absorber	2	



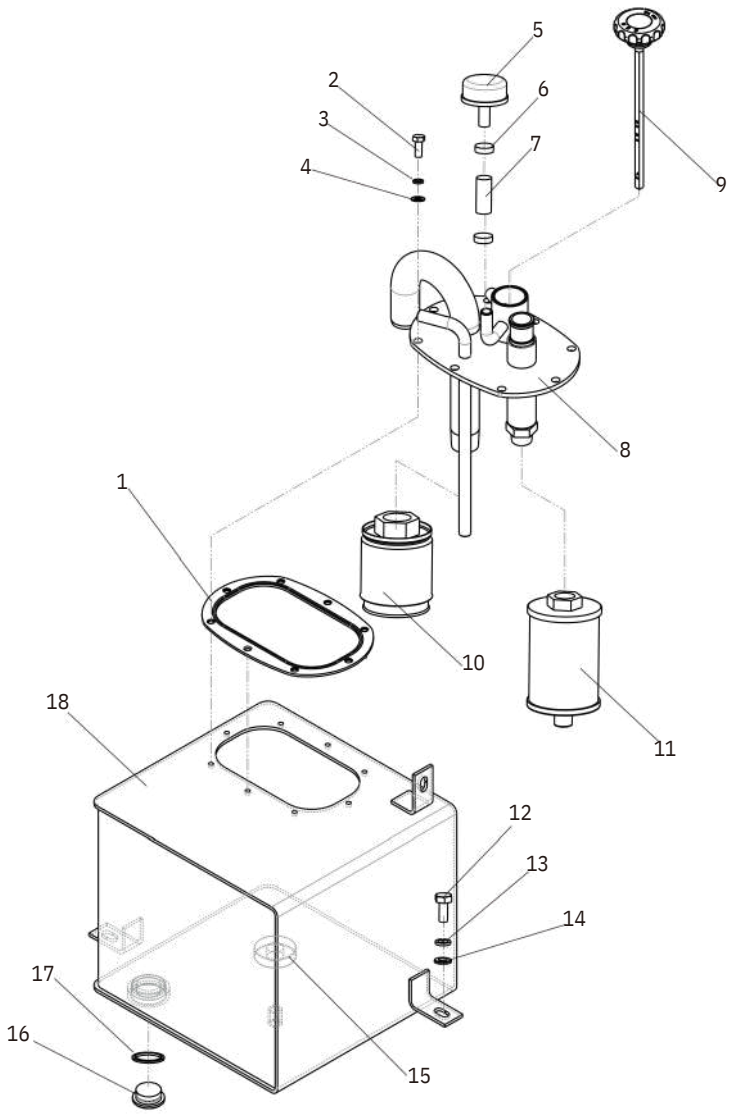
No.	Part No.	Description	Qty.	Remark
24	D15G1-20011R	Hinge (right)	1	
25	D15G1-20100	Hood	1	
26	D15G1-20012	Hinge Bolt	2	
27	D15G1-20014	Bushing	2	
28	D15G1-20011L	Hinge (Left)	1	
29	GB/T5783	M10 x 25 Bolt	4	
30	GB/T93	10 Washer,lock	4	
31	GB/T97.1	10 Washer	4	
32	D70S1-20006	Cushion rubber pad	4	
33	D25G1-20006	Rubber Pad Bracket	4	
34	D16E1-20600L	Composite bracket (Left)	1	
35	D16E1-20100	Side cover (left)	1	
36	D16E1-20001	Rubber Base Pad	1	
37	GB/T818	M8 x 16 Bolt	6	
38	D16E1-20302	Rear Board	1	
39	D16E1-20310	Floor board	1	
40	GB/T5789	M8 x 10 Bolt (Hexagonal Flange)	3	
41	D15G1-20013	Left Pedal	1	
42	D15G1-20500	Lock Pin	1	
43	A30A1-00300	Seat	1	
44	GB/T97.1	8 Washer	4	Comes with seat
45	GB/T93	8 Washer,lock	4	Comes with seat
46	GB/T6170	M8 Nut	4	Comes with seat



No.	Part No.	Description	Qty.	Remark
1	D16E1-30100	Overhead guard (frame assembly)	1	
2	D15G1-30500L	Guard, lamp Frame assembly (Left)	1	
3	D15G1-30500R	Guard, lamp Frame assembly (Right)	1	
4	D30D1-30004R	Back cover (Right)	1	
5	D30D1-30004L	Back cover (Left)	1	
6	D35G1-30001	M8 Nut	6	
7	D30C1-30001	Rivet Nut	3	
8	GB/T97.1	6 Washer	6	
9	GB/T93	6 Washer,lock	6	
10	GB/T5783	M6 x 20 Bolt	2	
11	GB/T5781	M6 x 15 Bolt	4	
12	D30A1-30002	Reversing Mirror Bracket	2	
13	D30A1-30800	Rear View Mirror	2	
14	D15G1-30400	Steering Bracket	1	
15	D30A1-30005	Grommet	3	

5- HYDRAULIC SYSTEM

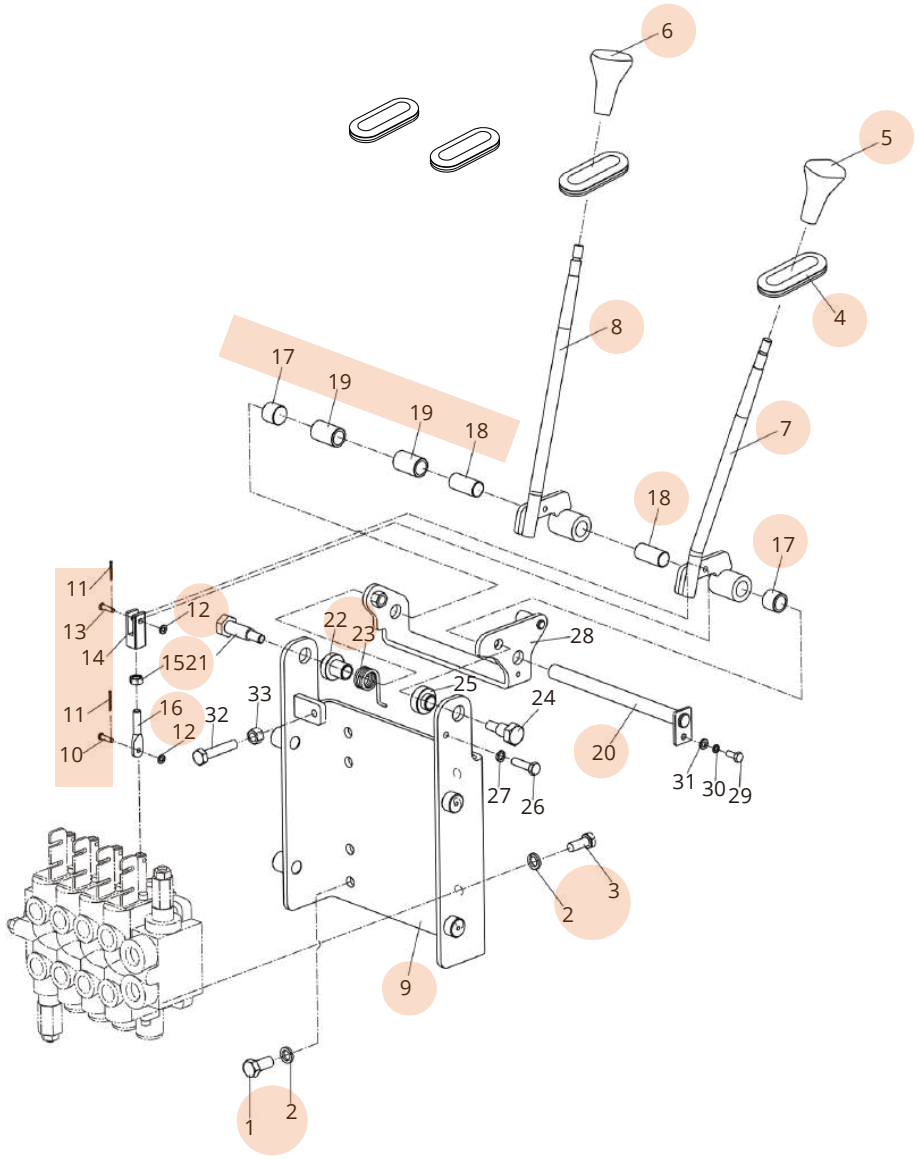
01- Oil Tank



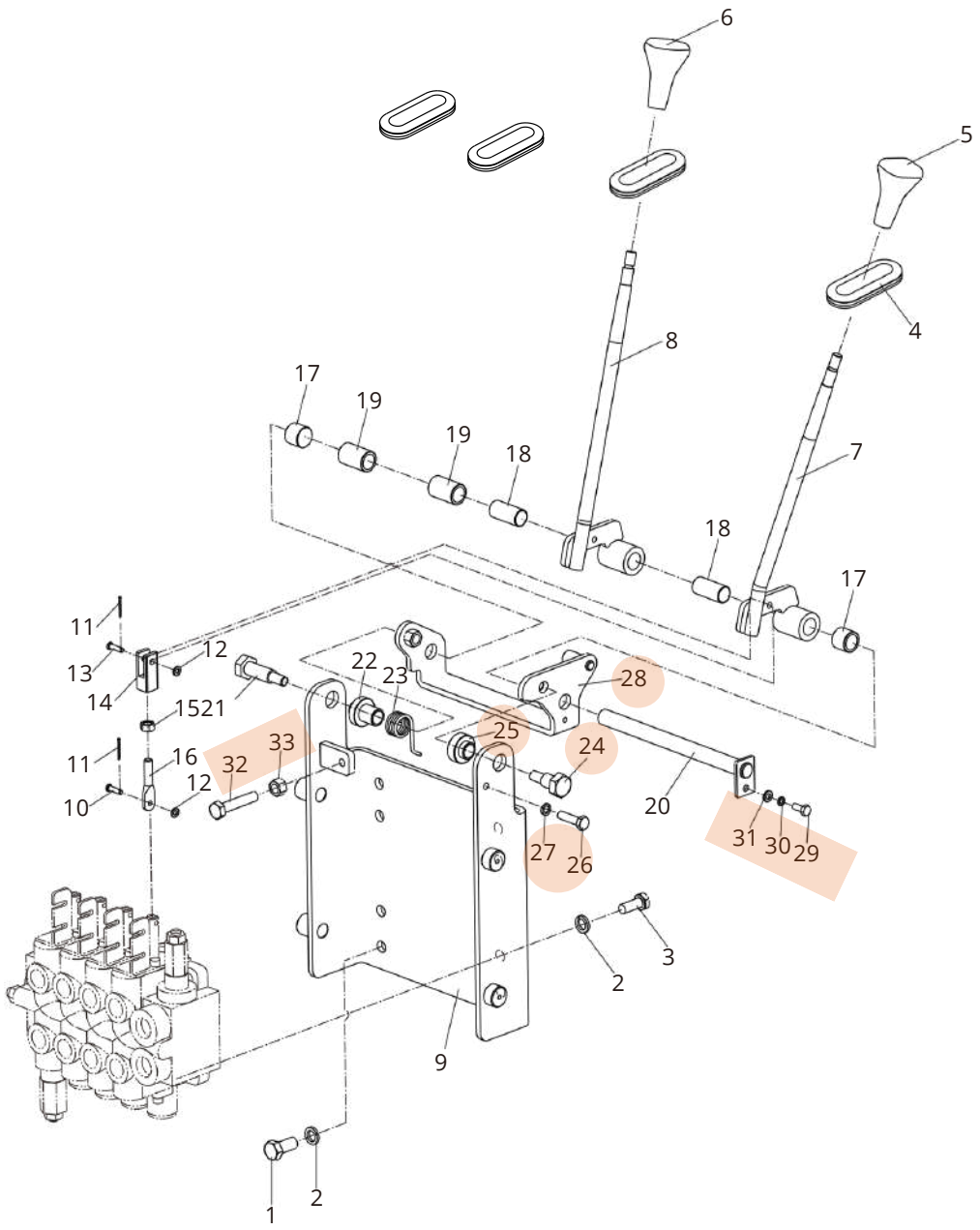
No.	Part No.	Description	Qty.	Remark
1	A30A5-30003	Gasket	1	
2	GB/T5783	20 Bolt	8	
3	GB/T93	8 Washer, lock	8	
4	GB/T97.1	8 Washer	8	
5	A30A4-50500	Breather	1	
6	TK000-13019	φ16-φ25 Clip	2	
7	TG000-10007	φ10×70 Oil-Resistant Hose	1	
8	A16E4-50200	Coverplate ass'y	1	
9	A16E4-50300	Fuel cap ass'y	1	
10	A30A4-50400	Oil-Suction Filter	1	
11	A15A4-50200	Return Oil Filter	1	
12	GB/T5783	M10 x 25 Bolt	2	
13	GB/T93	10 Washer, lock	2	
14	GB/T97.1	10 Washer	2	
15	A30A4-50003	Magnet	1	
16	A30A4-50004	ED 26 Washer	1	
17	A30A4-50002	Plug,drain	1	
18	A16E4-50100	Fuel tank	1	

5- HYDRAULIC SYSTEM

02- Valve Control Assembly (2-Piece)



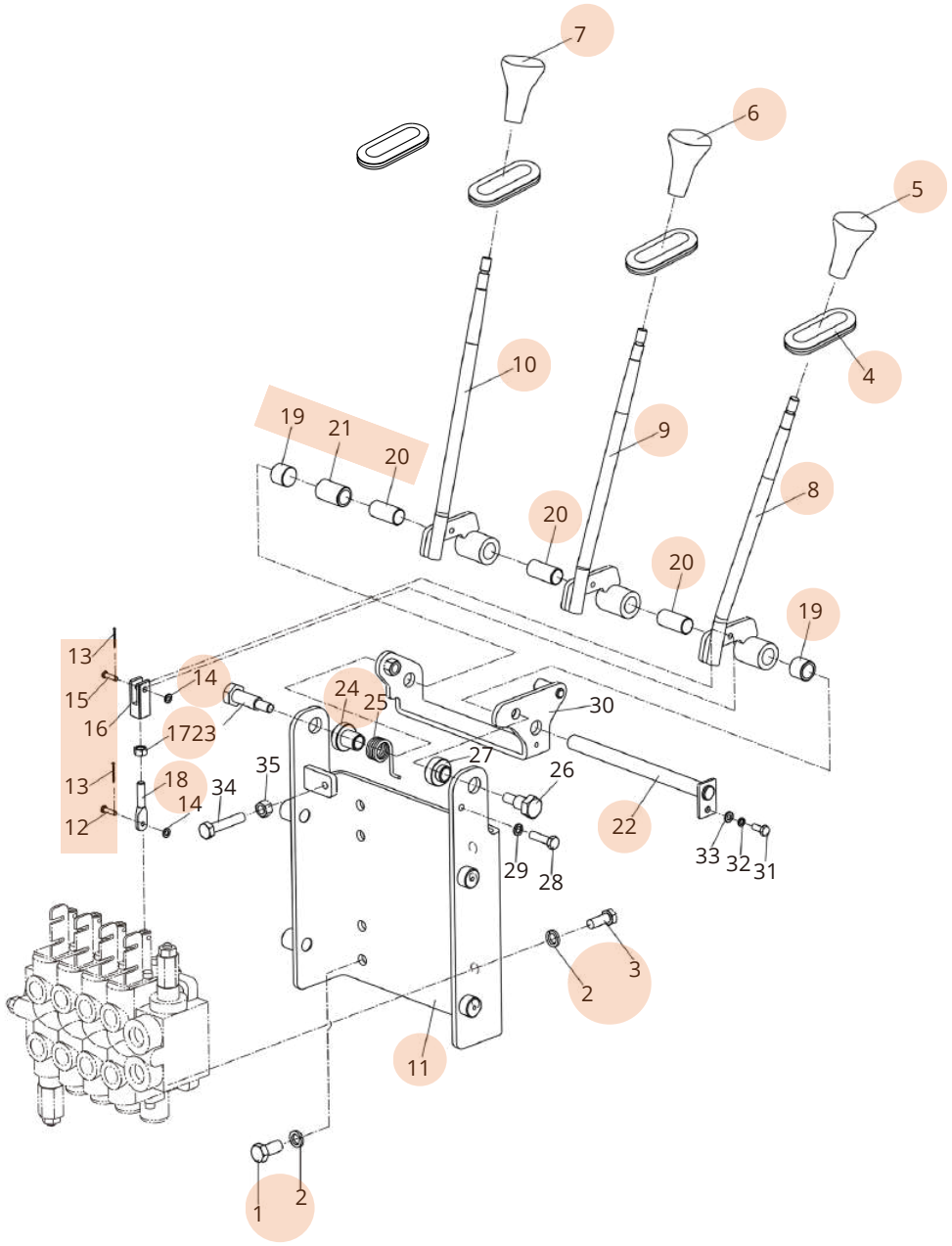
No.	Part No.	Description	Qty.	Remark
1	GB/T5783	M10 x 25 Bolt	4	
2	GB/T93	10 Washer , lock	8	
3	GB/T5786	M10 x 1.25 x 25 Bolt	4	
4	A15G7-40001	Dust Cover	4	
5	A30A7-40003	Knob,lift	1	
6	A30A7-40004	Knob,tilt	1	
7	A15G7-40140	Lever, lift	1	
8	A15G7-40150	Lever, tilt	1	
9	A15G7-40110	Floor ass'y	1	
10	A30C7-40001	Pin	2	
11	GB/T119.1	φ2× 18 Pin,cotter	4	
12	GB/T97.1	6 Washer	4	
13	A15G7-40002	Pin	2	
14	A15G7-40181	Joint	2	
15	GB/T6170	M8 Nut	2	
16	A15G7-40182	Link	2	
17	A15G7-40106	Coller	2	
18	ZT000-16038	Bearing	2	
19	A15G7-40107	Coller	2	
20	A15G7-40130	Shaft ass'y	1	
21	A15G7-40103	Bolt	1	
22	A15G7-40101	Nylon Washer	1	
23	A15G7-40105	Torsion Spring	1	



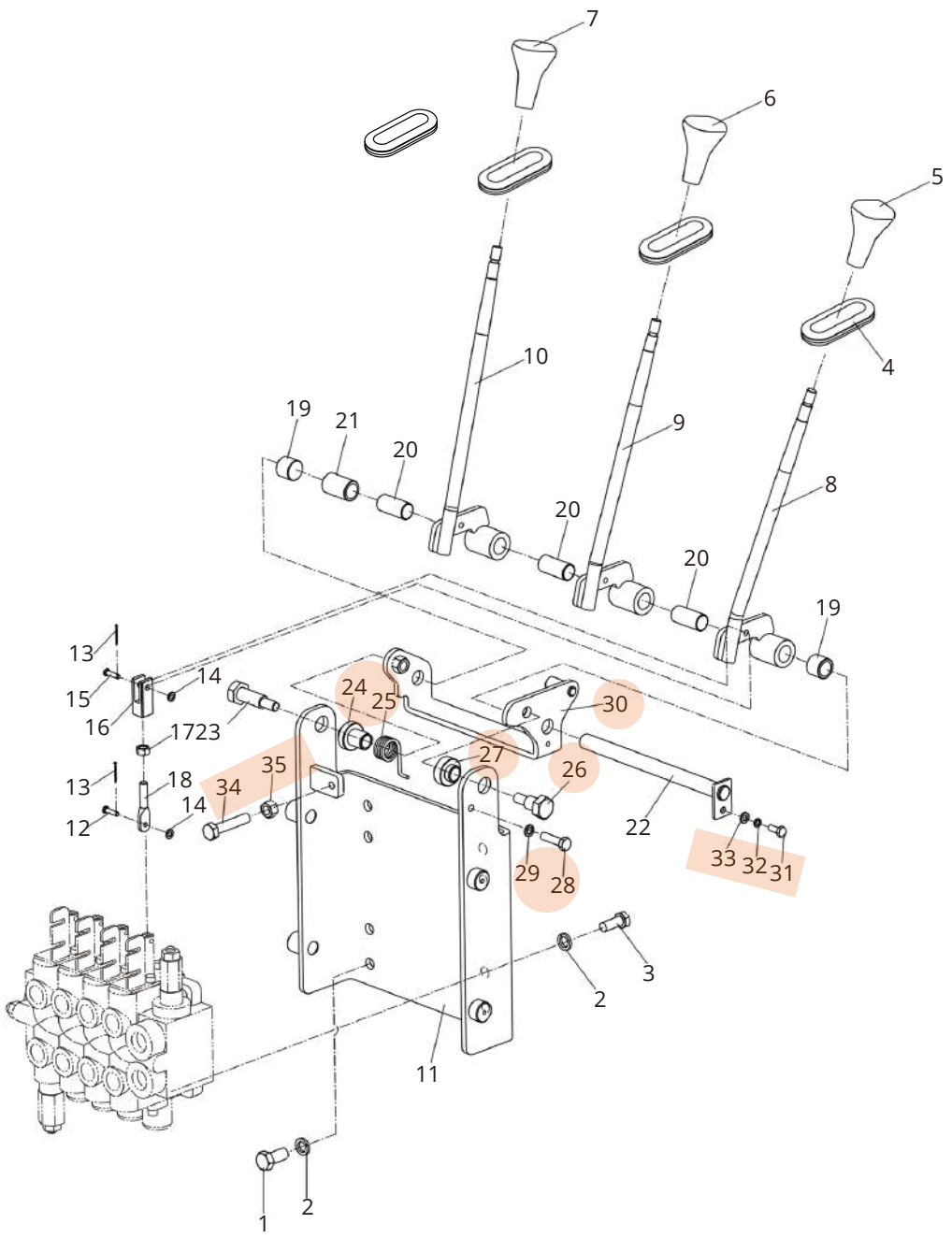
No.	Part No.	Description	Qty.	Remark
24	A15G7-40104	II Bolt	1	
25	A15G7-40102	II Washer (Nylon)	1	
26	GB/T5783	M8 x 30 Bolt	1	
27	GB/T93	8 Washer ,lock	1	
28	A15G7-40120	Bracket ass'y	1	
29	GB/T5783	M6 x 10 Bolt	1	
30	GB/T93	6Washer ,lock	1	
31	GB/T97.1	6 Washer	1	
32	GB/T5783	M10 x 50 Bolt	1	
33	GB/T6170	M10 Nut	1	

5- HYDRAULIC SYSTEM

03- Valve Control Assembly (3-Piece)



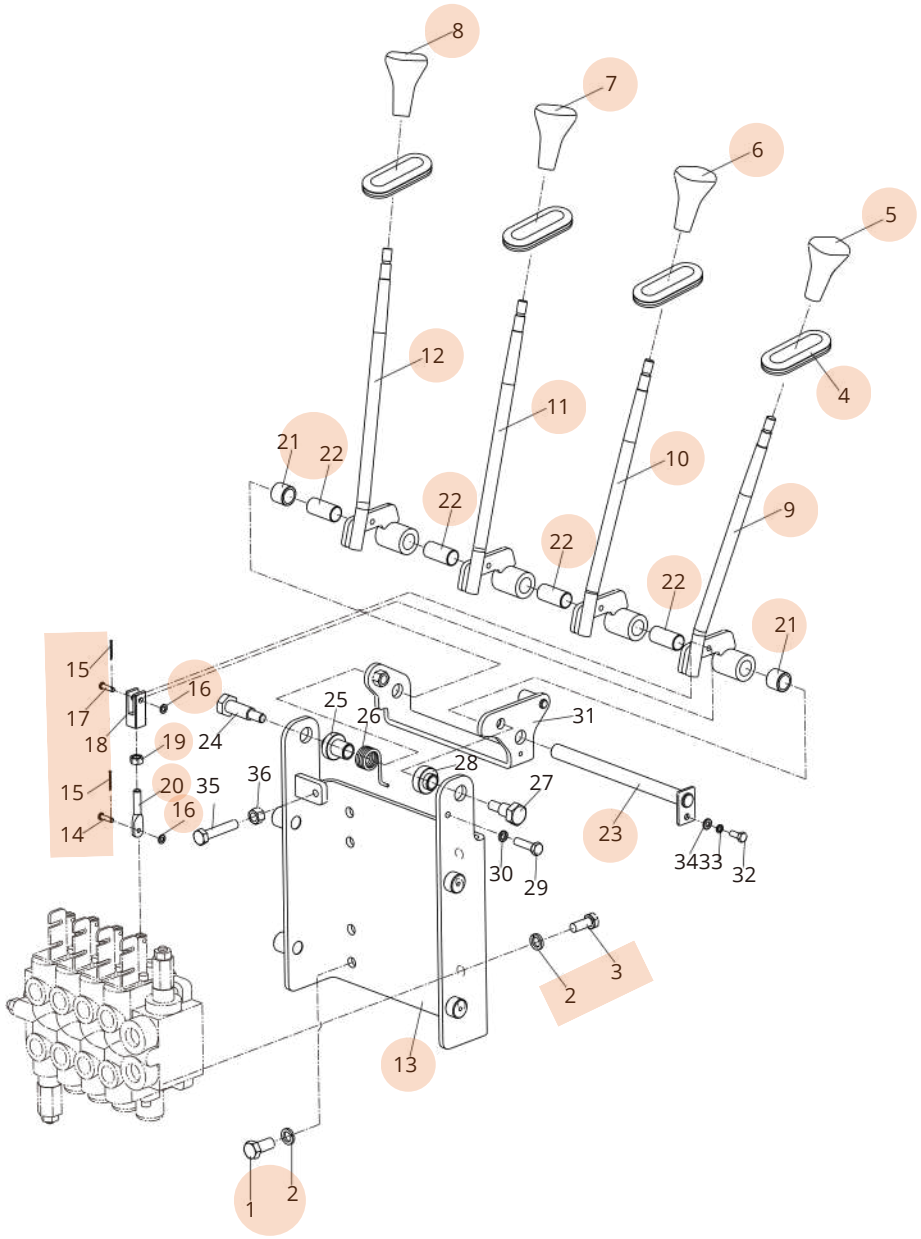
No.	Part No.	Description	Qty.	Remark
1	GB/T5783	M10 × 25 Bolt	4	
2	GB/T93	10 Washer , lock	8	
3	GB/T5786	M10 × 1.25× 25 Bolt	4	
4	A15G7-40001	Dust Cover	4	
5	A30A7-40003	Knob,lift	1	
6	A30A7-40004	Knob,tilt	1	
7	A30A7-40005	Knob	1	
8	A15G7-40140	lever lift	1	
9	A15G7-40150	lever tilt	1	
10	A15G7-40160	Lever, third	1	
11	A15G7-40110	Floor ass'y	1	
12	A30C7-40001	Pin	3	
13	GB/T119.1	2 x 18 Pin,cotter	6	
14	GB/T97.1	6 Washer	6	
15	A15G7-40002	Pin	3	
16	A15G7-40181	Joint	3	
17	GB/T6171	M8 Nut	3	
18	A15G7-40182	Link	3	
19	A15G7-40106	Coller	2	
20	ZT000-16038	Steel Back Bearing	3	
21	A15G7-40107	Coller	1	
22	A15G7-40130	Shaft ass'y	1	
23	A15G7-40103	I Bolt	1	



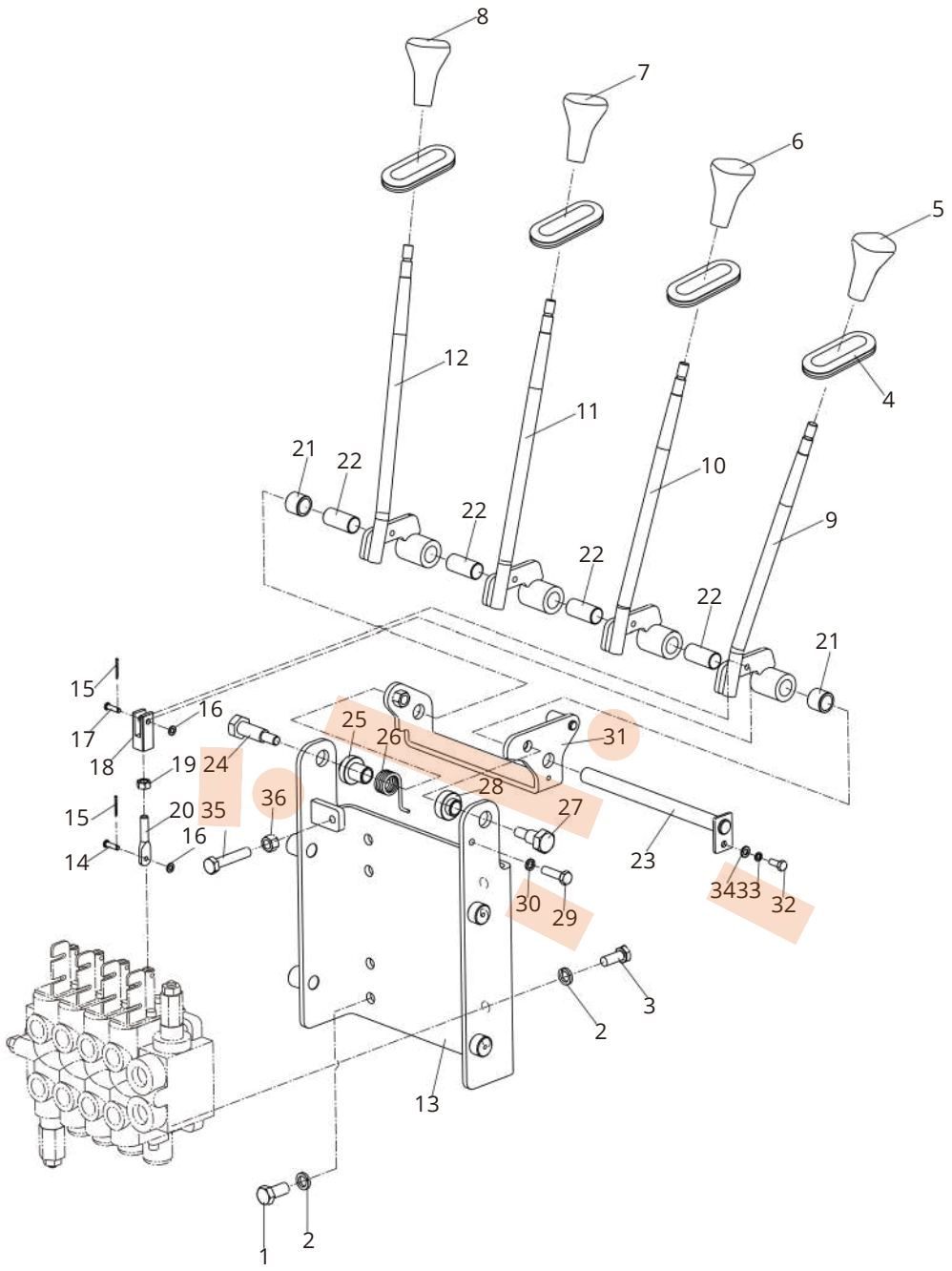
No.	Part No.	Description	Qty.	Remark
24	A15G7-40101	I Washer	1	
25	A15G7-40105	Spring	1	
26	A15G7-40104	II Bolt	1	
27	A15G7-40102	II Washer	1	
28	GB/T5783	M8 x 30 Bolt	1	
29	GB/T93	8 Washer ,lock	1	
30	A15G7-40120	Bracket ass'y	1	
31	GB/T5783	M6 x 10 Bolt	1	
32	GB/T93	6Washer ,lock	1	
33	GB/T97.1	6 Washer	1	
34	GB/T5783	M10 × 50 Bolt	1	
35	GB/T6170	M10 Nut	1	

5- HYDRAULIC SYSTEM

04- Valve Control Assembly (4-Piece)



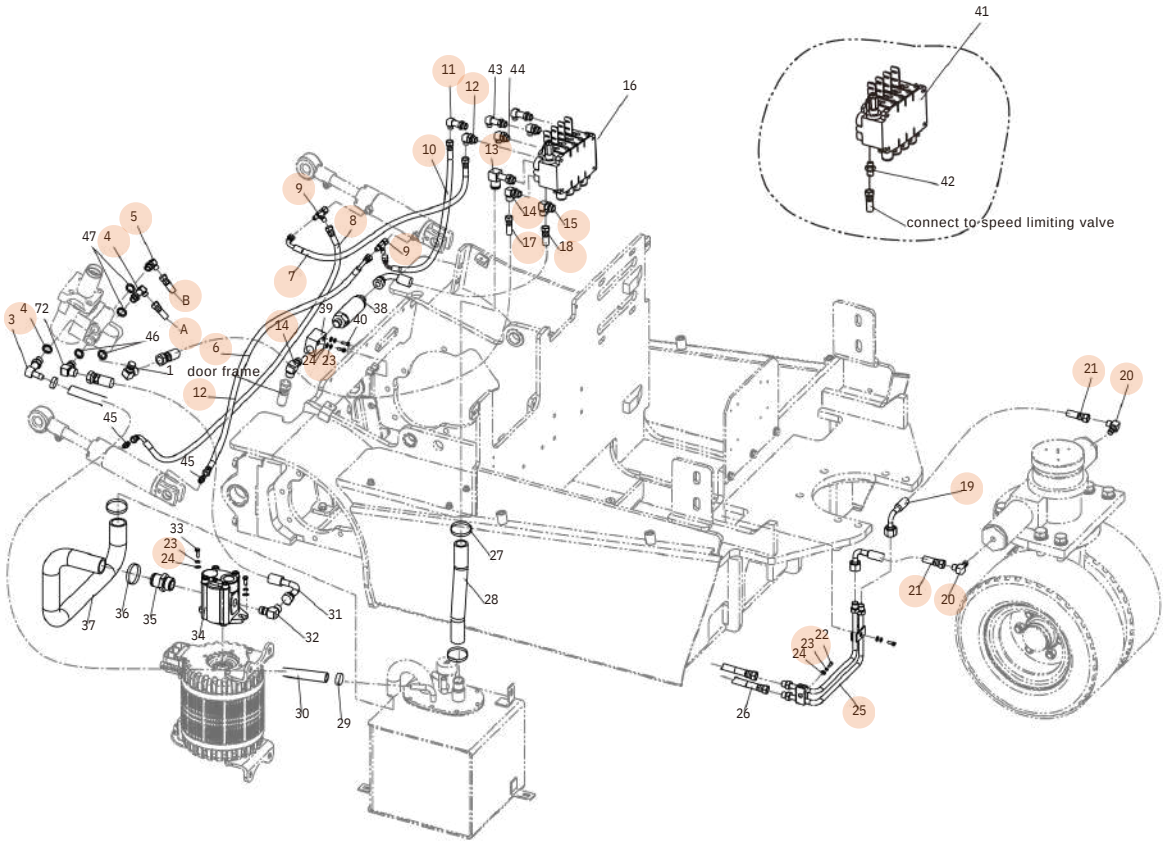
No.	Part No.	Description	Qty.	Remark
1	GB/T5783	M10 x 25 Bolt	4	
2	GB/T93	10Washer , lock	8	
3	GB/T5786	M10 x 1.25 x 25 Bolt	4	
4	A15G7-40001	Dust Cover	4	
5	A30A7-40003	Knob,lift	1	
6	A30A7-40004	Knob,tilt	1	
7	A30A7-40005	Knob	1	
8	A30A7-40006	Knob	1	
9	A15G7-40140	Lever lift	1	
10	A15G7-40150	Lever Tilt	1	
11	A15G7-40160	Lever third	1	
12	A15G7-40170	Lever fourth	1	
13	A15G7-40110	Floor ass'y	1	
14	A30C7-40001	Pin	4	
15	GB/T119.1	φ2× 18 Pin,cotter	8	
16	GB/T97.1	6 Washer	8	
17	A15G7-40002	Pin	4	
18	A15G7-40181	Joint	4	
19	GB/T6170	M8 Nut	4	
20	A15G7-40182	Link	4	
21	A15G7-40106	Coller	2	
22	ZT000-16038	Bearing	4	
23	A15G7-40130	Shaft ass'y	1	



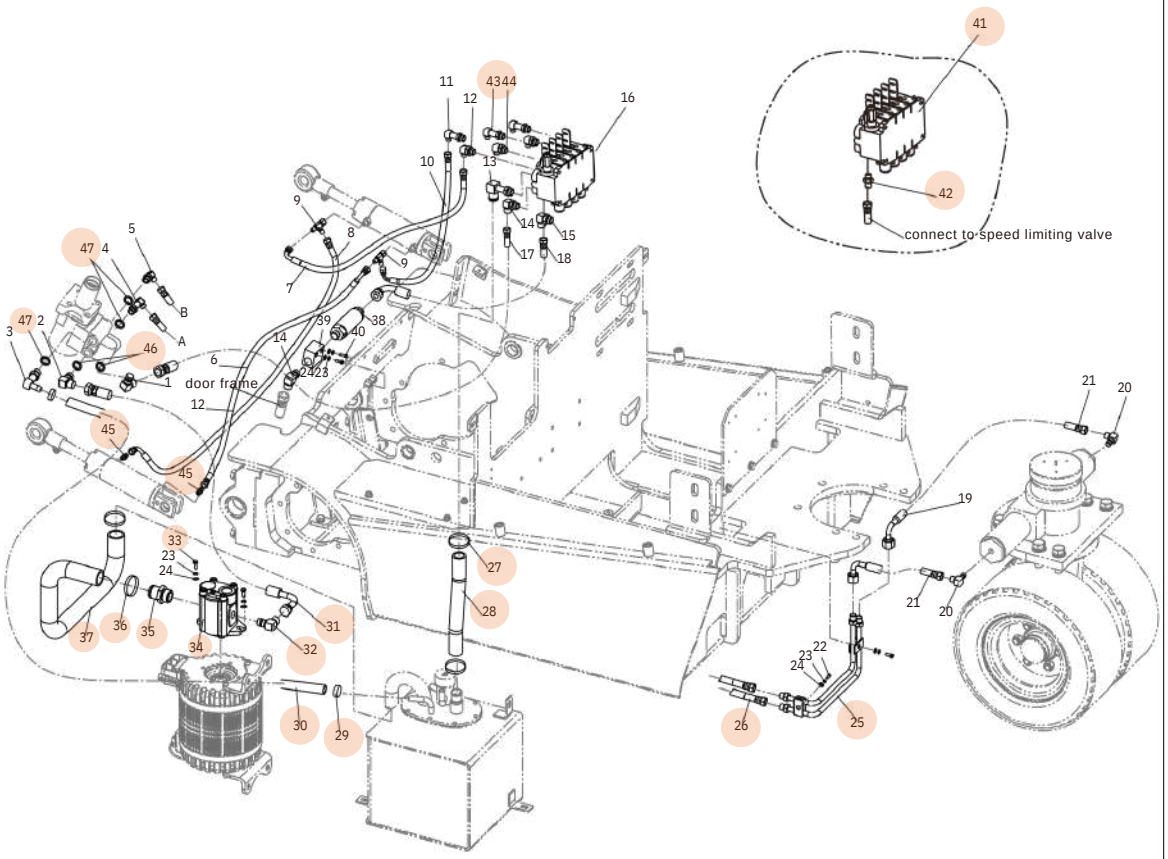
No.	Part No.	Description	Qty.	Remark
24	A15G7-40103	I Bolt	1	
25	A15G7-40101	Nylon I Washer	1	
26	A15G7-40105	Torsion Spring	1	
27	A15G7-40104	II Bolt	1	
28	A15G7-40102	II Washer	1	
29	GB/T5783	M8 x 30 Bolt	1	
30	GB/T93	8Washer ,lock	1	
31	A15G7-40120	Bracket ass'y	1	
32	GB/T5783	M6 x 10 Bolt	1	
33	GB/T93	6Washer ,lock	1	
34	GB/T97.1	6 Washer	1	
35	GB/T5783	M10 × 50 Bolt	1	
36	GB/T6170	M10 Nut	1	

5- HYDRAULIC SYSTEM

05- Hydraulic Pipeline (EX-B)

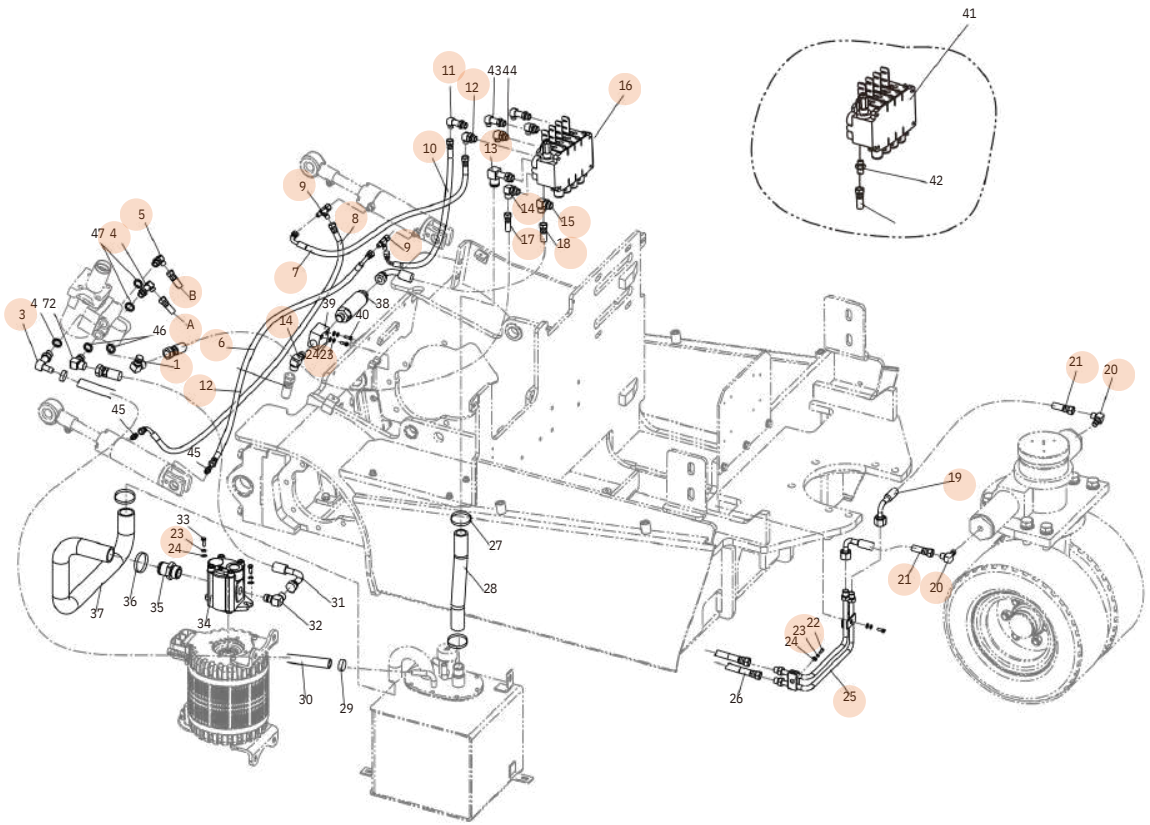


No.	Part No.	Description	Qty.	Remark
1	GJT-07-00	Elbow	1	
2	GJT-121-00	135 degree Elbow	1	
3	GJT-56-00	Elbow	1	
4	GJT-68-00	Elbow	1	
5	GJT-69-00	Elbow	1	
6	TGLBI-08053-H35*J	8I x 530 Hose H.P.	1	
7	TGLBI-08060-H35*J	8I x 600 Hose H.P.	1	
8	TGLBI-08065-H35*J	8I x 650 Hose H.P.	1	
9	GJT-416-00	Tee coupling	2	
10	TGLBI-08041-H45*J	8I x 410 Hose H.P.	1	
11	GJT-219-00	Elbow	1	
12	GJT-220-00	Elbow	1	
13	GJT-122-00	Elbow	1	
14	GJT-14-00	Elbow	2	
15	GJT-19-00	Elbow	1	standard car
16	A16A4-30000	Valve	1	standard car
17	TGIBII-13073NL*J	13II x 730 Hose H.P.	1	
18	TGLBII-13065-H45*J	13II x 650 Hose H.P.	1	
19	TGLBI-08065-H45*J	8I x 650 Hose H.P.	1	
20	GJT-33-00	Elbow	2	
21	TGLBI-08022-H35*J	8I x 220 Hose H.P.	1	
22	GB/T5783	M10 x 35 Bolt	2	
23	GB/T93	10 Washer Lock	6	
24	GB/T97.1	10 Washer	6	
25	A16A4-00300	Pipe ass'y	1	

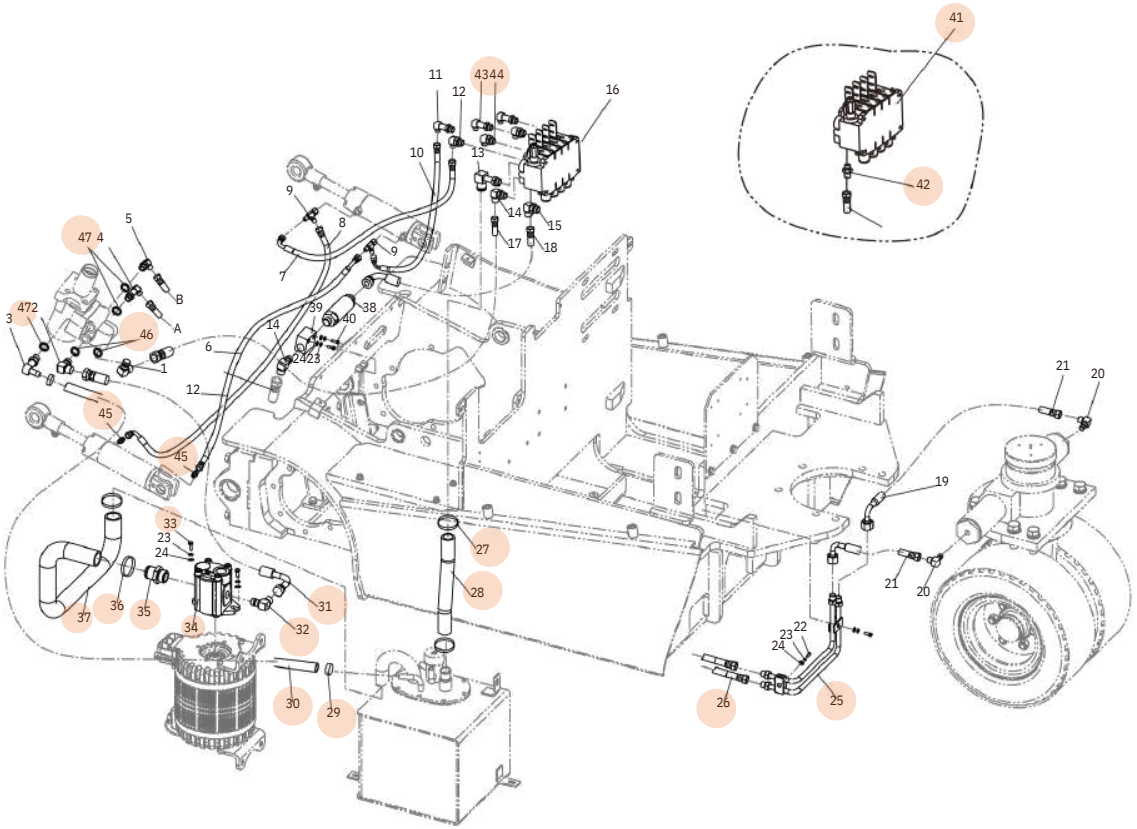


No.	Part No.	Description	Qty.	Remark
26	TGIBII-08140*J	8II x 1400Hose H.P.	2	
27	TK000-32044	φ32 - φ44 Clip	2	
28	A16E4-00002	Hose	1	
29	TK000-16025	φ16 - φ25 Clip	2	
30	TG000-13100	φ13 x 1000 Hose L.P.	1	
31	TGLBII-13034-H45*J	13II x 340 Hose H.P.	1	
32	GJT-73-00	Elbow	1	
33	GB/T5783	M10 x 30 Bolt	2	Hepu, Liaoyuan motor selection
34	A25A4-20000	Gear pump	1	
-	A16A4-20000	Gear pump	1	SME motor selection
35	GJT-08-00	Straight joint	1	
36	TK000-35051	φ35-φ51 Clip	2	
37	A16E4-00001	Hose	1	
38	GJT-75-00	Speed limit valve	1	
39	GJT-124-00	Elbow	1	
40	GB/T5783	M10 x 45 Bolt	2	
41	A16A4-30100	Valve	1	European Standard
42	GJT-70-00	Straight joint	1	European Standard
43	GJT-11-00	Elbow	1	3-piece valve selection
-	GJT-11-00	Elbow	2	4-piece valve selection
44	GJT-12-00	Elbow	1	3-piece valve selection
-	GJT-12-00	Elbow	2	4-piece valve selection
45	GJT-72-00	Straight joint	2	
46	A16E4-00003	φ24 O ring	2	Eaton steering gear selection
47	A16E4-00004	φ20 O ring	3	Eaton steering gear selection

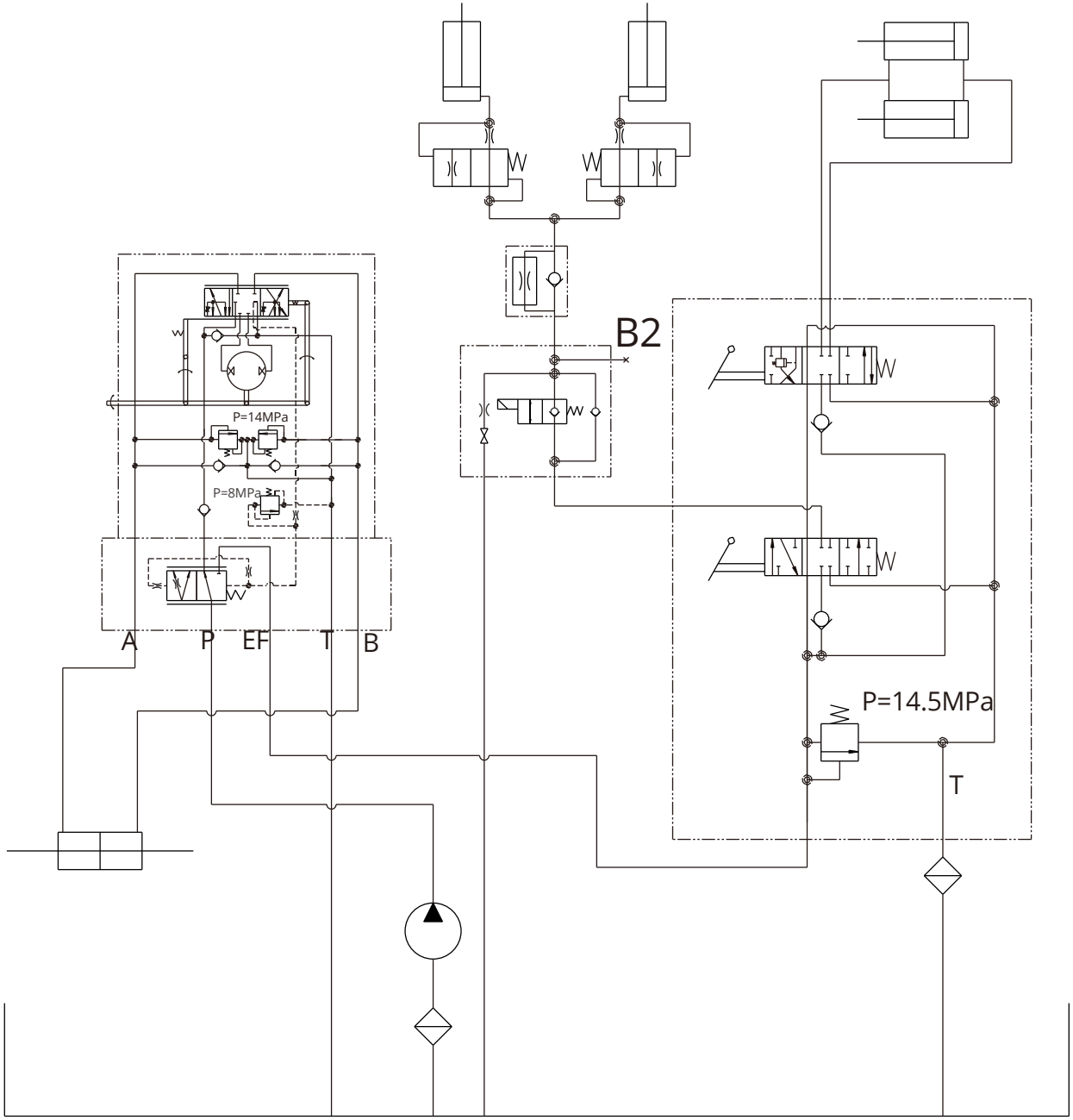
06- Hydraulic Pipeline (EX-A)



No.	Part No.	Description	Qty.	Remark
1	GJT-399-00	Elbow	1	
2	GJT-465-00	135 degree Elbow	1	
3	GJT-56-00	Elbow	1	
4	GJT-68-00	Elbow	1	
5	GJT-69-00	Elbow	1	
6	TGLCI-08053-H35*J	8I x 530 Hose H.P.	1	
7	TGLCI-08060-H35*J	8I x 600 Hose H.P.	1	
8	TGLCI-08065-H35*J	8I x 650 Hose H.P.	1	
9	GJT-464-00	Tee coupling	2	
10	TGLCI-08041-H45*J	8I x 410 Hose H.P.	1	
11	GJT-462-00	Elbow	1	
12	GJT-463-00	Elbow	1	
13	GJT-122-00	Elbow	1	
14	GJT-400-00	Elbow	2	
15	GJT-19-00	Elbow	1	standard car
16	A16A4-30000	Valve	1	standard car
17	TGICII-13073NL*J	13II x 730 Hose H.P.	1	
18	TGLBII-13065-H45*J	13II x 650 Hose H.P.	1	
19	TGLBI-08065-H45*J	8I x 650 Hose H.P.	1	
20	GJT-33-00	Elbow	2	
21	TGLBI-08022-H35*J	8I x 220 Hose H.P.	1	
22	GB/T5783	M10 x 35 Bolt	2	
23	GB/T93	10 Washer Lock	6	
24	GB/T97.1	10 Washer	6	
25	A16A4-00300	Pipe ass'y	1	

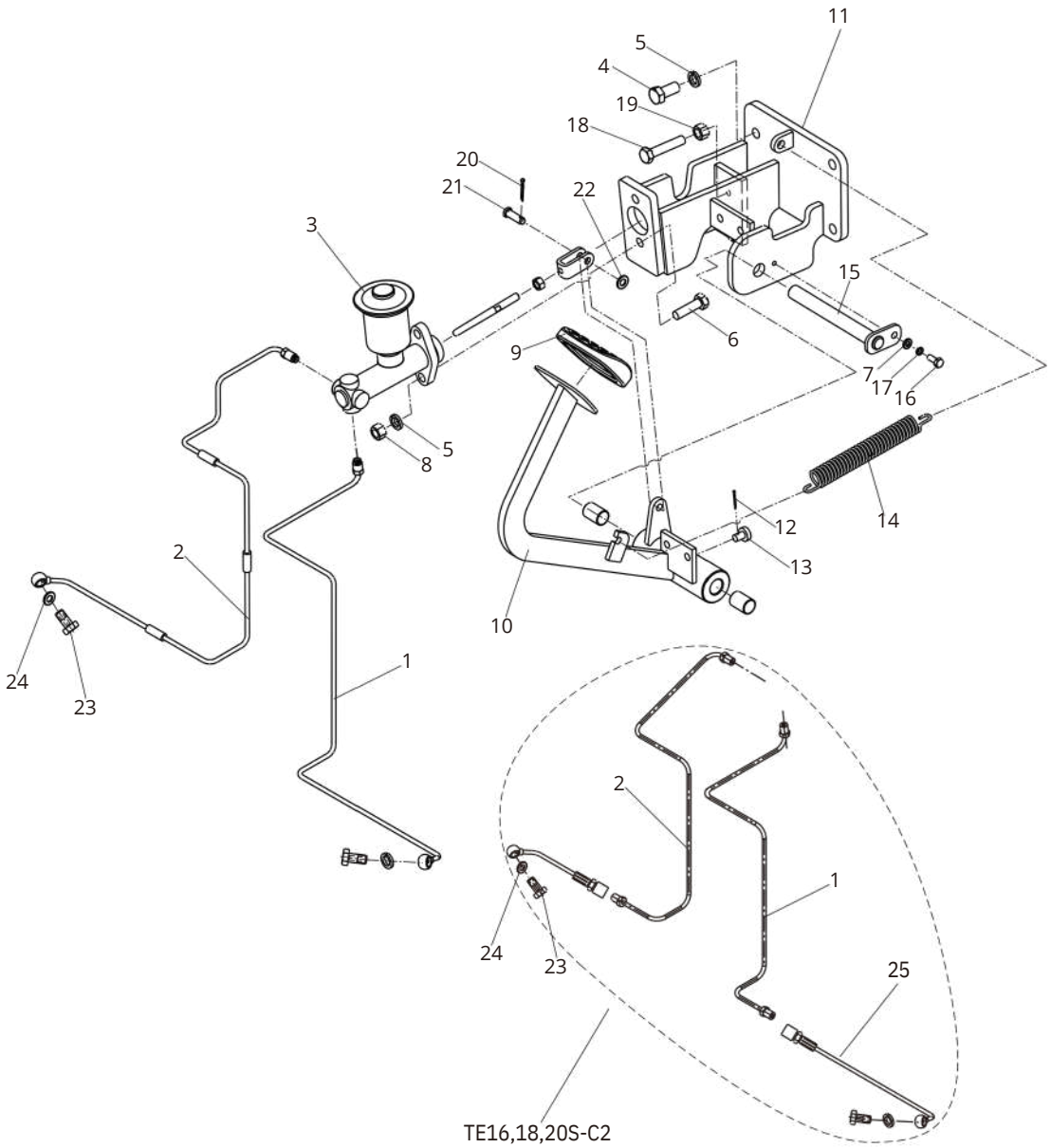


No.	Part No.	Description	Qty.	Remark
26	TGIBII-08140*J	8II 1400Hose H.P.	2	
27	TK000-32044	φ32 - φ44 Clip	2	
28	A16E4-00002	Hose	1	
29	TK000-16025	φ16 - φ25 Clip	2	
30	TG000-13100	φ13 x 1000 Hose L.P.	1	
31	TGLCII-13034-H45*J	13II 340Hose H.P.	1	
32	GJT-397-00	Elbow	1	
33	GB/T5783	M10 x 30 Bolt	2	
34	A25A4-20000	Gear pump	1	Hepu, Liaoyuan motor selection
-	A16A4-20000	Gear pump	1	SME motor selection
35	GJT-08-00	Straight joint	1	
36	TK000-35051	φ35- φ51 Clip	3	
37	A16E4-00001	Hose	2	
38	GJT-75-00	Speed limit valve	1	
39	GJT-124-00	Elbow	1	
40	GB/T5783	M10 x 45 Bolt	1	
41	A16A4-30100	Valve	2	European Standard
42	GJT-70-00	Straight joint	1	European Standard
43	GJT-233-00	Elbow	1	3-piece valve selection
-	GJT-233-00	Elbow	1	4-piece valve selection
44	GJT-234-00	Elbow	2	3-piece valve selection
-	GJT-234-00	Elbow	1	4-piece valve selection
45	GJT-461-00	Straight joint	2	
46	A16E4-00003	φ24 O ring	2	Eaton steering gear selection
47	A16E4-00004	φ20 O ring	2	Eaton steering gear selection


B2
P=14MPa
P=8MPa
A
P
EF
T
B
P=14.5MPa
T

6- BRAKING SYSTEM

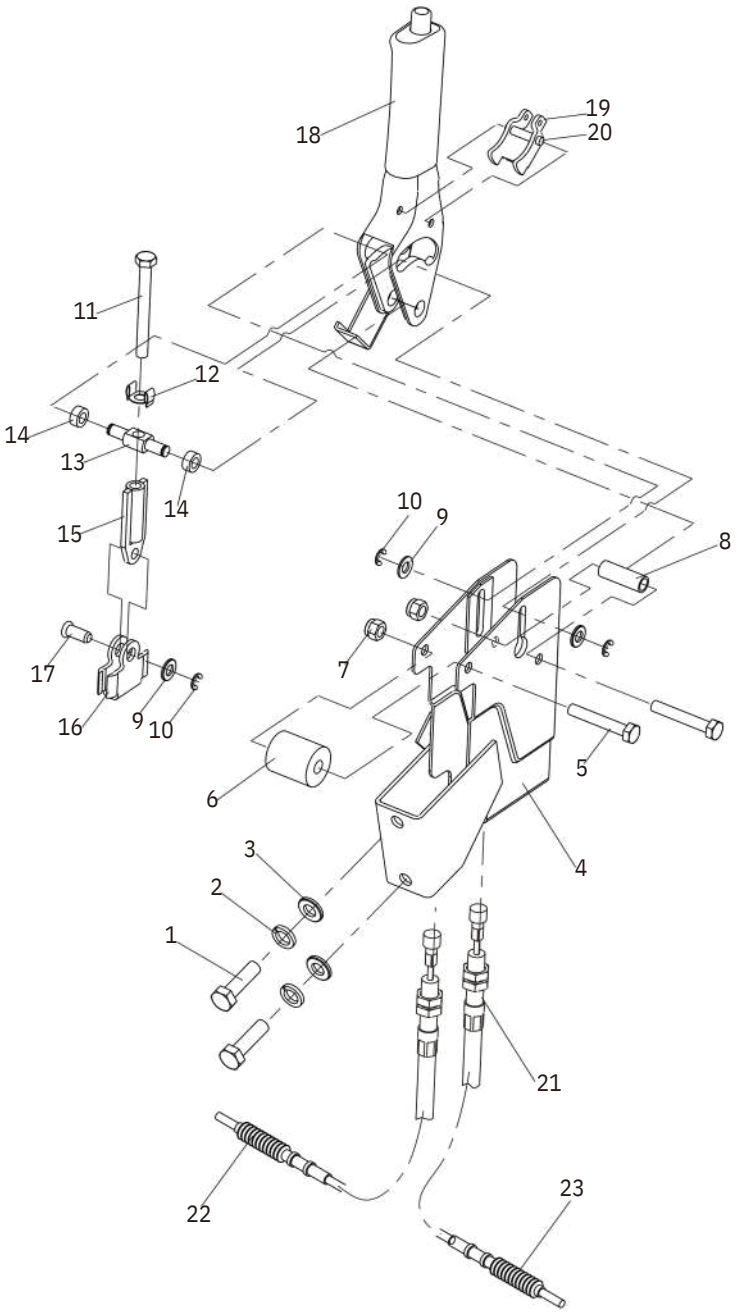
01- Brake Control Unit TE16/18/20S-C2



No.	Part No.	Description	Qty.	Remark
1	A16B7-10400	Brake steel tube(left)	1	TE16/18/20S-S1
-	A16G7-10100	Brake steel tube(left)	1	TE16/18/20S-C2
2	A16B7-10500	Brake steel tube(right)	1	TE16/18/20S-S1
-	A16G7-10200	Brake steel tube(right)	1	TE16/18/20S-C2
3	A16B7-10300	Master Cylinder	1	
4	GB/T5783	M10×25 Bolt	3	
5	GB/T93	10 Washer,lock	5	
6	GB/T5783	M10×35 Bolt	2	
7	GB/T97.1	6 Washer	1	
8	GB/T6170	M10 Nut	2	
9	A16A7-10102	Head cover	1	
10	A16B7-10200	Brake pedal	1	
11	A16B7-10100	Support	1	
12	GB/T91	2×16 Pin	2	
13	A45A7-11004	Nylon mat	2	
14	A16B7-11001	Spring	1	
15	A16B7-10600	Axis	1	
16	GB/T5783	M6×16 Bolt	1	
17	GB/T93	6 Washer,lock	1	
18	GB/T5783	M8×40 Bolt	1	
19	GB/T6170	M8 Nut	1	
20	GB/T91	2.5×22 Pin	1	
21	GB/T882	8×26 Pin	1	
22	GB/T97.1	8 Washer	1	
23	A16A7-10001	Bolt	2	
24	JB/T982	10 Gasket	4	
25	A16G7-10300	Brake hose	2	TE16/18/20S-C2

6- BRAKING SYSTEM

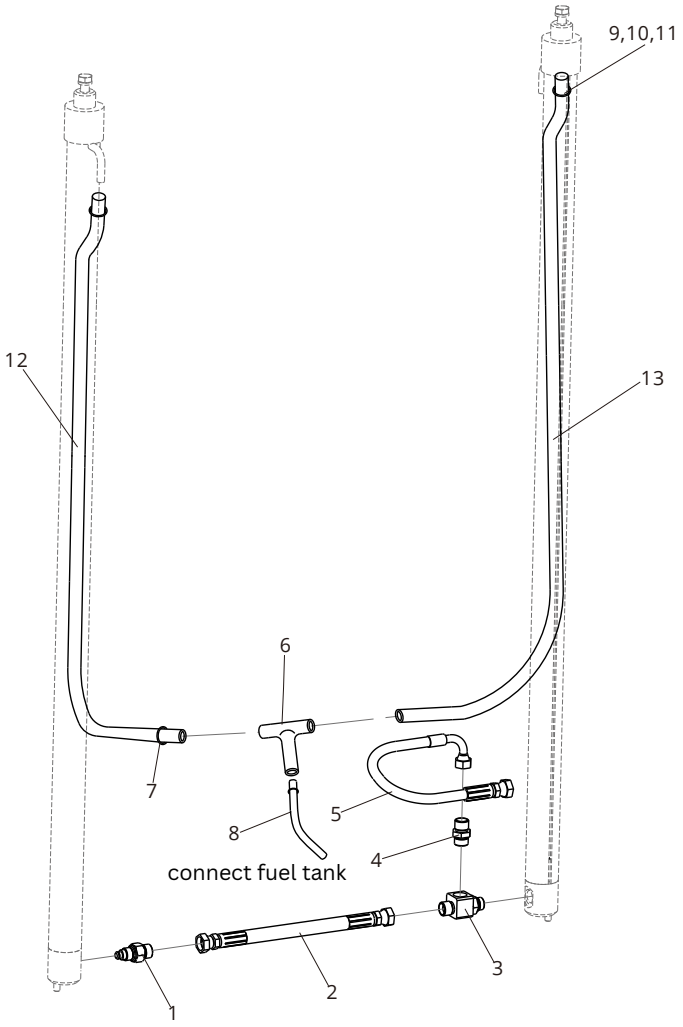
02- Parking Brake



No.	Part No.	Description	Qty.	Remark
A	A15A7-20200	Button Hand brake ass'y	1	
1	GB/T5783	M10 x 35 Bolt	2	
2	GB/T93	10 Washer,lock	2	
3	GB/T97.1	10 Washer	2	
4	A15A7-20201	Bracket ass'y	1	
5	GB/T5783	M8 x 50 Bolt	2	
6	A15A7-20202	Rubber sleeve	2	
7	GB/T6170	M8 Nut	2	
8	A15A7-20203	Bushing	1	
9	GB/T97.1	8 Washer	3	
10	GB/T896.1	Open Retaining Ring	3	
11	GB/T5783	M8 x 60 Bolt	1	
12	A15A7-20204	Lock Plate	1	
13	A15A7-20205	Shaft	1	
14	A15A7-20206	Roller	2	
15	A15A7-20207	Shaft Switch	1	
16	A15A7-20208	board	1	
17	GB/T882	D8 x 18 Pin	1	
18	A15A7-20209	Lever ass'y	1	
19	A15A7-20210	Locking piece	1	
20	A15A7-20211	Pin	1	
21	A15A7-20212	Hand brake thrum (cable)	2	
22	A16A7-20100R	Hand brake ass'y line (Right)	1	
23	A16A7-20100L	Hand brake ass'y line (L.eft)	1	

7- LIFTING SYSTEM

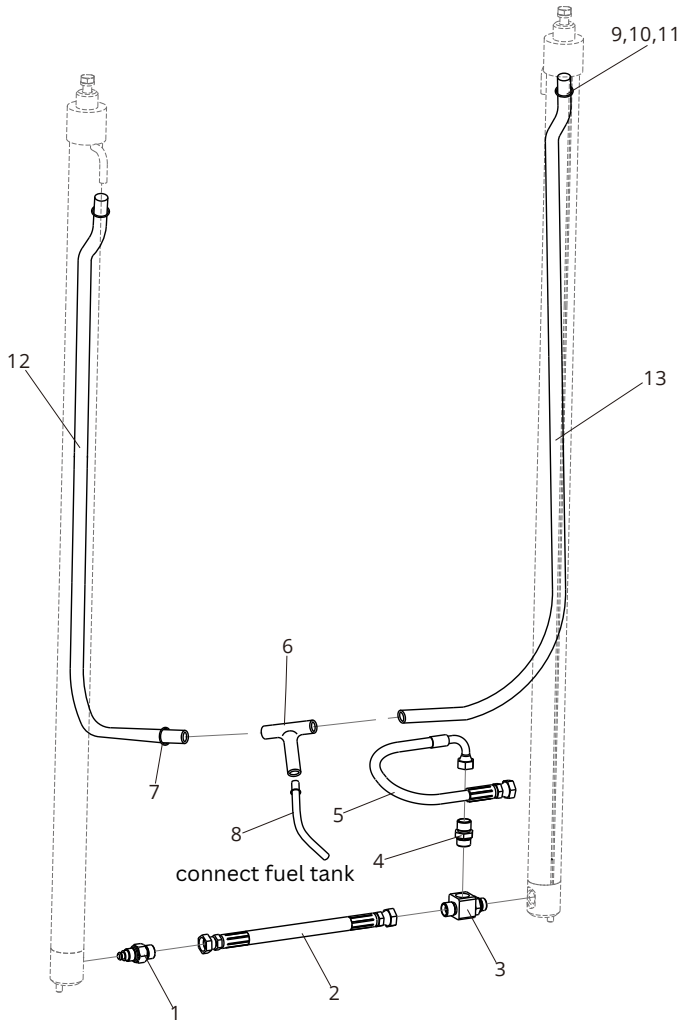
01- Hydraulic Mast System (Normal Mast KM) (EX-B)



No.	Part No.	Description	Qty.	Remark
1	GJT-04-00	Stop valve	1	
2	TGIBII-13033*J	13II× 330 Hose H.P.	1	
3	GJT-03-00	Three-way connection	2	
4	GJT-138-00	Straight joint	2	
5	TGLBII-13040-H45*J	13II× 400 Hose H.P.	1	
6	GJT-01-00	joint	1	
7	TOAH-18-01	Banding belt	3	
8	HG4-404-82	D12 x 1100 Tube viny l	1	
9	M30A3-70001	Tube clip	4	
10	TQ000-05035	5 x 350 Banding belt	4	
11	TK000-10016	10 x 16 Clip	4	
12	TG000-120XX	D12 x L1 Tube viny l	1	
13	TG000-120XX	D12 x L2 Tube viny l	1	

7- LIFTING SYSTEM

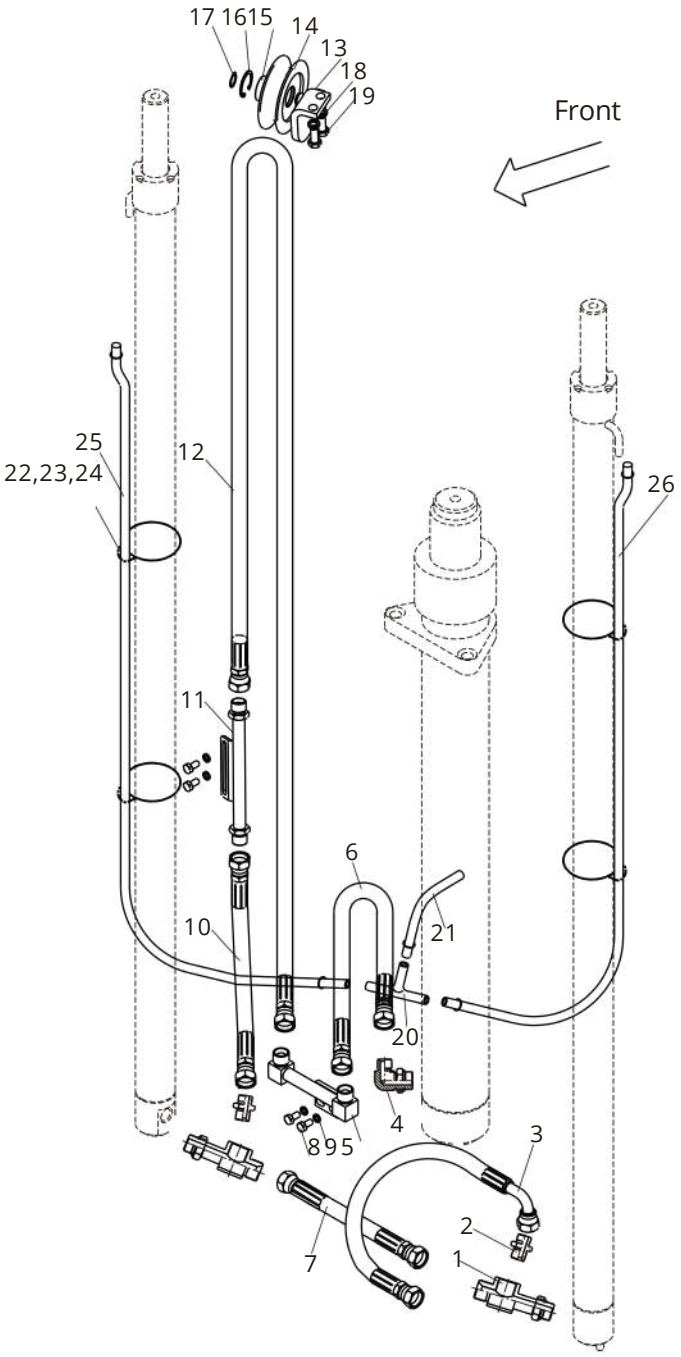
02- Hydraulic Mast System (Normal Mast KM) (EX-A)



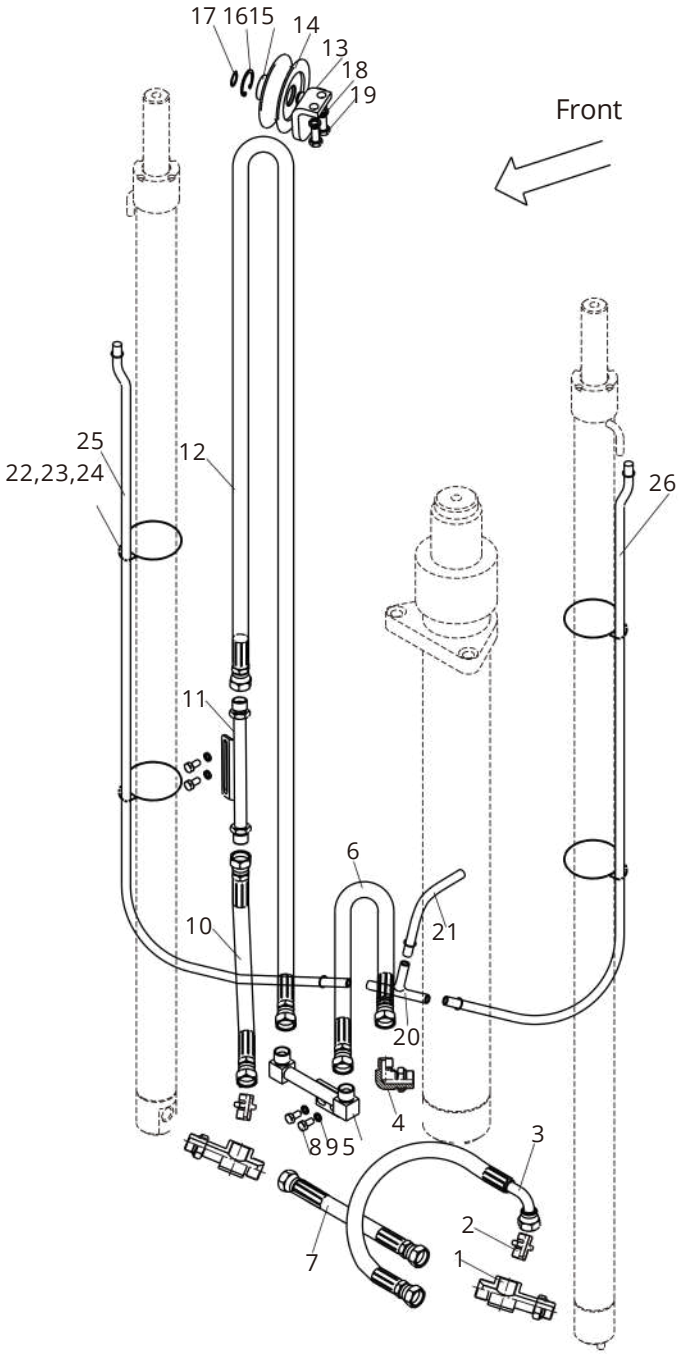
No.	Part No.	Description	Qty.	Remark
1	GJT-391-00	Stop valve	1	
2	TGICII-13033*J	13II× 330 Hose H.P.	1	
3	GJT-449-00	Three-way connection	2	
4	GJT-242-00	Straight joint	2	
5	TGLCII-13040-H45*J	13II× 400 Hose H.P.	1	
6	GJT-01-00	oil return joint	1	
7	TOAH-18-01	Banding belt	3	
8	HG4-404-82	D12 x 1100 Tube vinyl	1	
9	M30A3-70001	Tube clip	4	
10	TQ000-05035	5x 350 Banding belt	4	
11	TK000-10016	10x 16 Clip	4	
12	TG000-120XX	D12 x L1 Tube viny l	1	
13	TG000-120XX	D12 x L2 Tube viny l	1	

7- LIFTING SYSTEM

03- Hydraulic Mast System (Full Free 3-Stage Mast KZM) (EX-B)



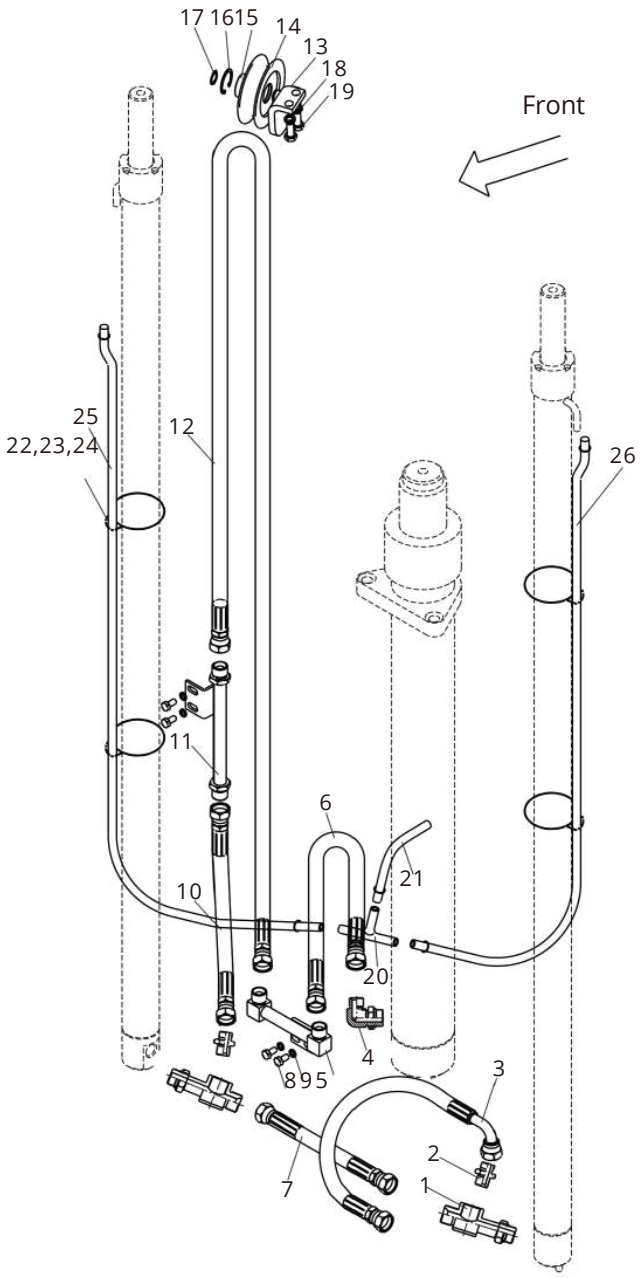
No.	Part No.	Description B	Qty.	Remark
1	GJT-03-00	Three-way connection	2	
2	GJT-138-00	Straight joint	2	
3	TGLBII-13040-H45*J	13II 400 Hose H.P.	1	
4	GJT-24-00	Right angle connector	1	
5	S16E3-70100	Pipe assy	1	
6	TGLBII-13040-NL*J	13II 400 Hose H.P.	1	
7	TGIBII-13033*J	13II 330 Hose H.P.	1	
8	GB/T5783	M8 x 16 Bolt	4	
9	GB/T93	8 Washer lock	4	
10	TGIBII-13048*J	13II 480 Hose H.P.	1	
11	S16E3-70200	Pipe assy	1	
12	TGICII-13XXX*J	13II XXXX Hose H.P.	1	
13	S16E3-71100	Pulley block	1	
14	S16E3-71001	Pulley	1	
15	GB/T726	6003 Bushing	1	
16	GB/T893.1	35 Ring	1	
17	GB/T894.1	17 Ring	1	
18	GB/T93	10 Washer, lock	2	
19	GB/T5783	M10 × 25 Bolt	2	
20	GJT-01-00	oil return joint	1	
21	HG4-404-82	d12 x L Tube vinyl	1	
22	M30A3-70001	Tube clip	6	
23	TQ000-05035	5 x 350 Banding belt	6	
24	TK000-10016	10 x 16 Clip	6	
25	TG000-120XX	d12 x L1 Tube viny l	1	
26	TG000-120XX	d12 x L2 Tube viny l	1	



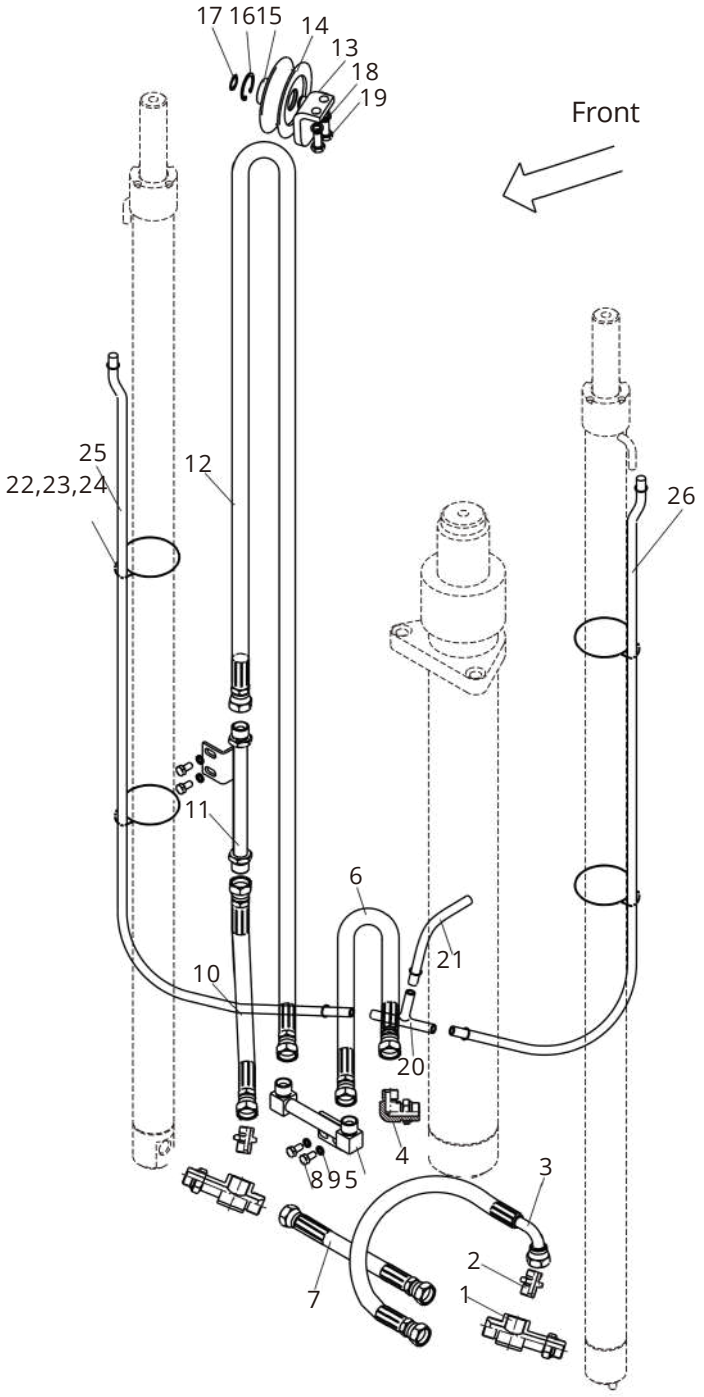
Mast Piping Optional Parts		
Lifting Height	Hose(mm)	Remark
	12 pieces	
3600	2250	
4000	2450	
4350	2700	
4500	2800	standard
4800	3000	
5000	3050	
5500	3600	
6000	3950	

7- LIFTING SYSTEM

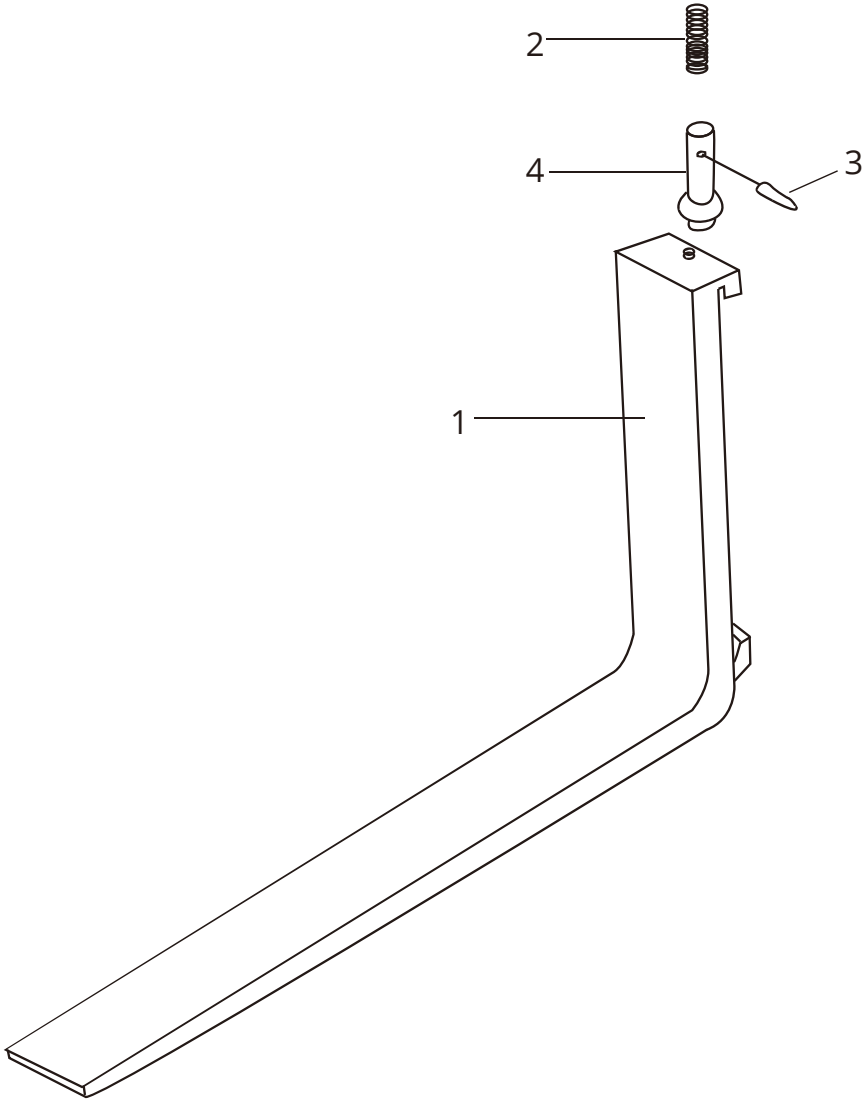
04- Hydraulic Mast System (Full Free 3-Stage Mast KZM) (EX-A)



No.	Part No.	Description A	Qty.	Remark
1	GJT-449-00	Three-way connection	2	
2	GJT-242-00	Straight joint	2	
3	TGLCII-13040-H45*J	13II 400 Hose H.P.	1	
4	GJT-240-00	Right angle connector	1	
5	S16E3-90100	Pipe assy	1	
6	TGICII-13040-NL*J	13II 400 Hose H.P.	1	
7	TGICII-13033*J	13II 330 Hose H.P.	1	
8	GB/T5783	M8 x 16 Bolt	4	
9	GB/T93	8 Washer lock	4	
10	TGICII-13048*J	13II 480 Hose H.P.	1	
11	S16E3-90200	Pipe assy	1	
12	TGICII-13XXX*J	13II XXXX Hose H.P.	1	
13	S16E3-71100	Pulley block	1	
14	S16E3-71001	Pulley	1	
15	GB/T726	6003 Bushing	1	
16	GB/T893.1	35 Ring	1	
17	GB/T894.1	17 Ring	1	
18	GB/T93	10 Washer,lock	2	
19	GB/T5783	M10 × 25 Bolt	2	
20	GJT-01-00	oil return joint	1	
21	HG4-404-82	d12 x L Tube vinyl	1	
22	M30A3-70001	Tube clip	6	
23	TQ000-05035	5 x 350 Banding belt	6	
24	TK000-10016	10 x 16 Clip	6	
25	TG000-120XX	d12 x L1 Tube viny l	1	
26	TG000-120XX	d12 x L2 Tube viny l	1	



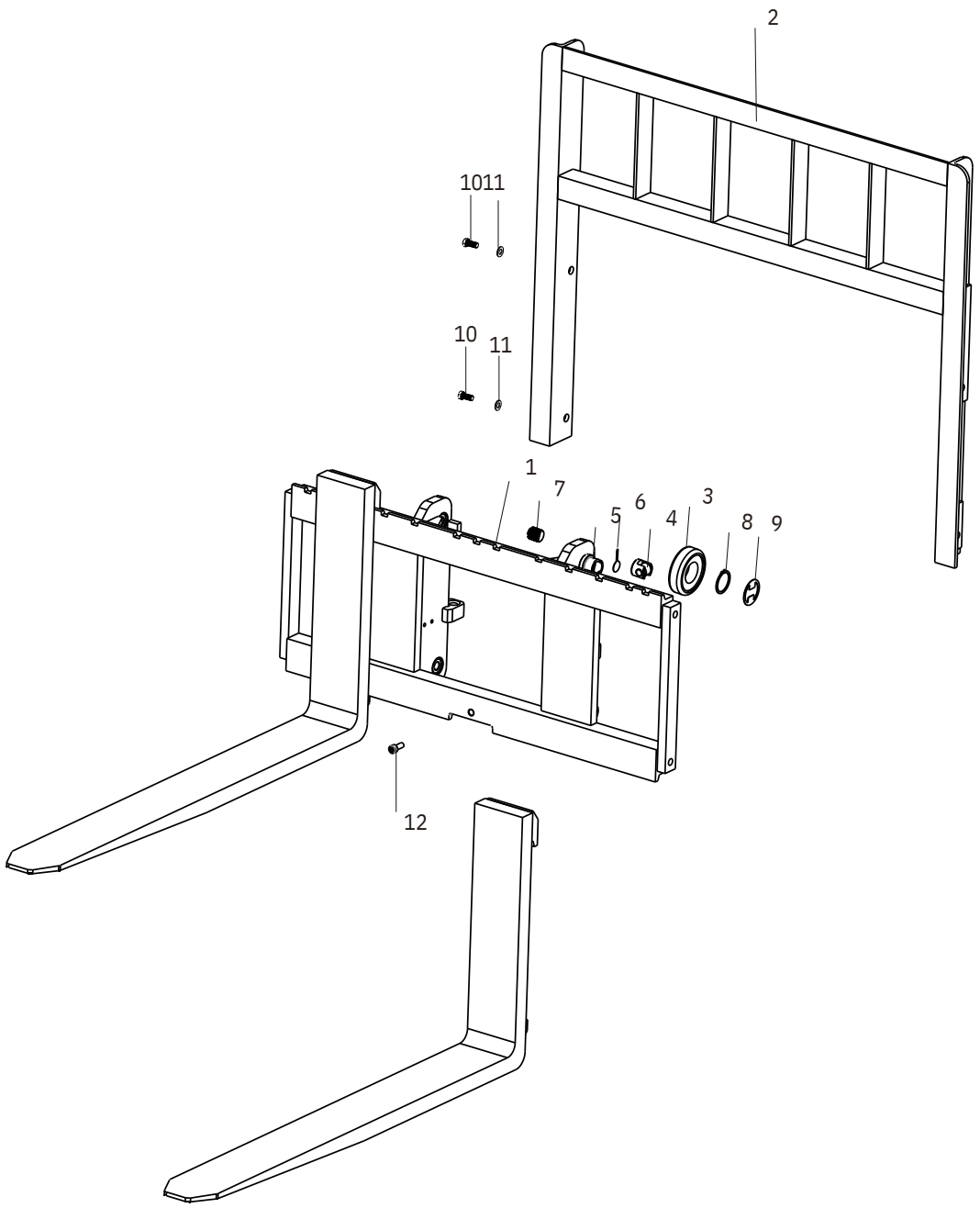
Mast Piping Optional Parts		
Lifting Height	Hose(mm)	Remark
	12 pieces	
3600	2250	
4000	2450	
4350	2700	
4500	2800	standard
4800	3000	
5000	3050	
5500	3600	
6000	3950	



No.	Part No.	Description	Qty.	Remark
1	A15A3-90000	Fork ass'y	2	
2	A15A3-90001	Spring	2	
3	A15A3-90002	Pin	2	
4	A15A3-90003	Pin, stopper	2	

7- LIFTING SYSTEM

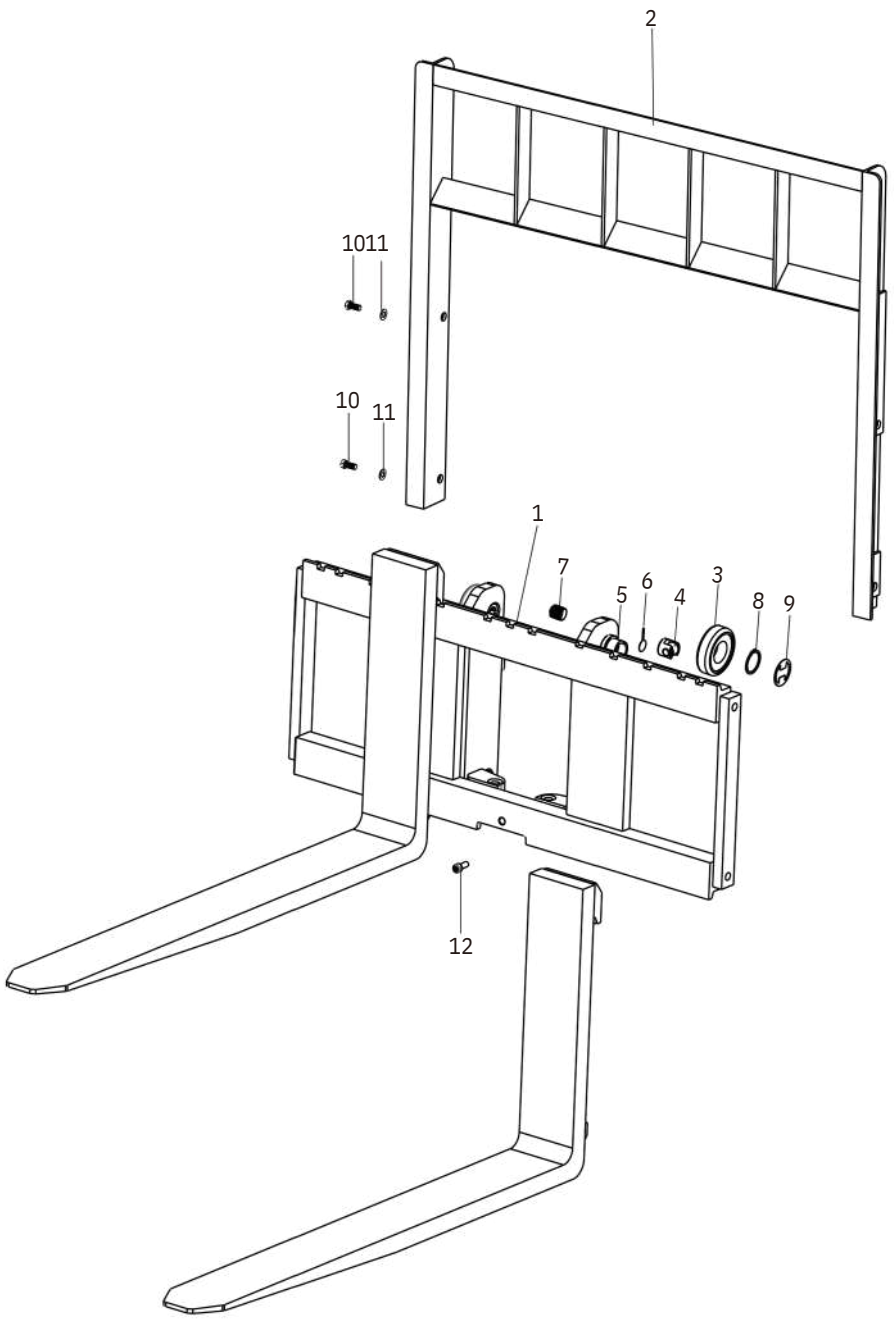
06- Fork Rack (Normal Mast)



No.	Part No.	Description	Qty.	Remark
1	M16E3-50000	Lifting fork ass'y	1	
2	M15C3-60000	Backrest ass'y	1	
3	S16A3-40102	End Roller	4	
4	S16A3-40103	Side roller	4	
5	S16A3-40201	Spindle head	4	
6	S16A3-40104	Anti-Loose Tablets (Loose slice)	4	
7	S16A3-40105	Adjustment Screw	4	
8	GB/T894.1	35 Snap,ring	4	
9	S16A3-40106	Dust-Proof ring	4	
10	GB/T5786	M14 ×1.5×30 Bolt	4	
11	GB/T93	14 Washer, lock	4	
12	GB/T70.1	M12 x 20 x Hexagon Socket Head Screw	1	

7- LIFTING SYSTEM

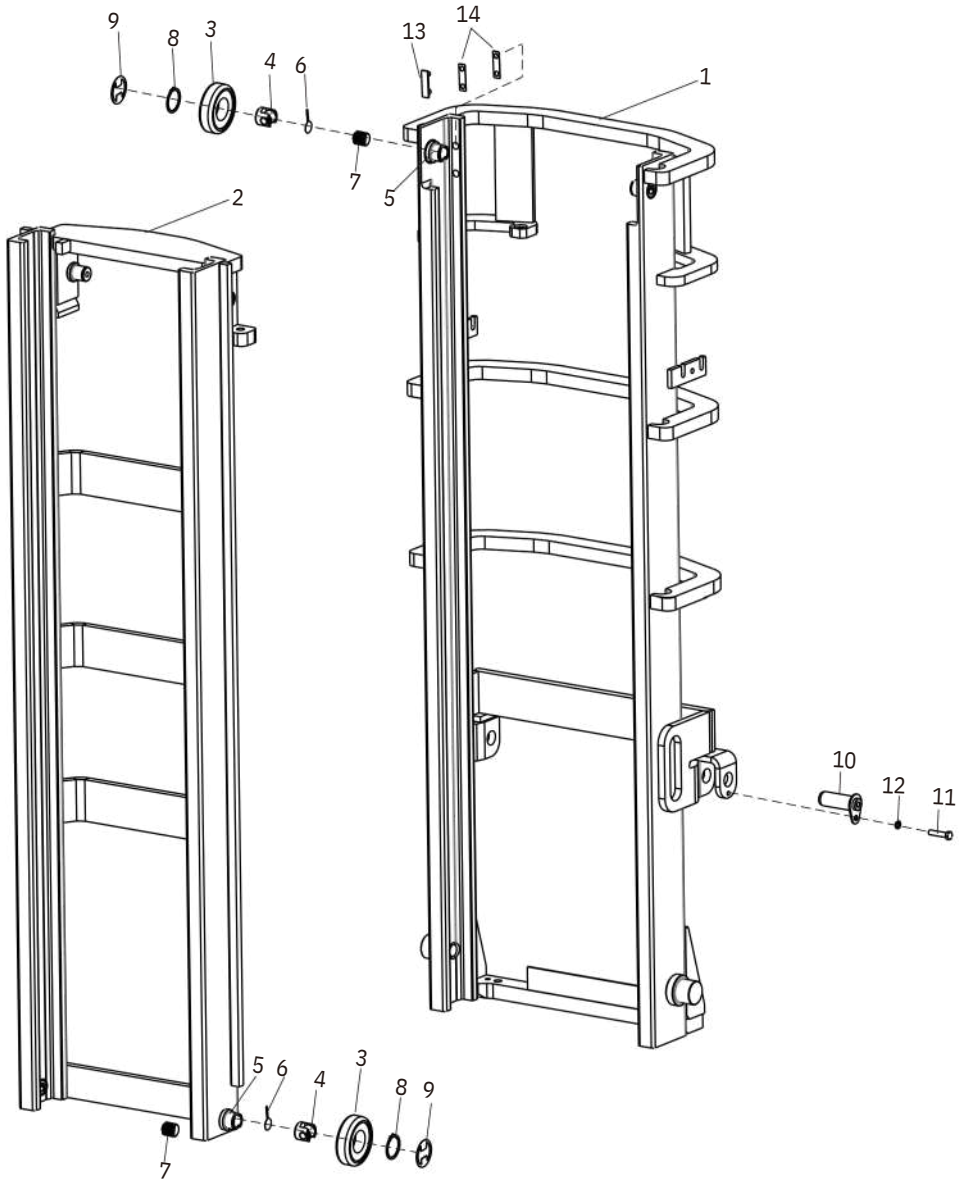
07- Fork Rack (Full Free 3-Stage Mast)



No.	Part No.	Description	Qty.	Remark
1	S16E3-50000	Lifting fork ass'y	1	
2	M15C3-60000	Backrest ass'y	1	
3	S16A3-40102	End Roller	4	
4	S16A3-40103	Side roller	4	
5	S16A3-40201	Spindle head	4	
6	S16A3-40104	Anti Loose Tablets (Loose slice)	4	
7	S16A3-40105	Adjustment Screw	4	
8	GB/T894.1	35 Snap,ring	4	
9	S16A3-40106	Dust-Proof ring	4	
10	GB/T5786	M14 ×1.5× 30 Bolt	4	
11	GB/T93	14 Washer, lock	4	
12	GB/T70.1	M12 x 20 Hexagon Socket Head Screw	1	

7- LIFTING SYSTEM

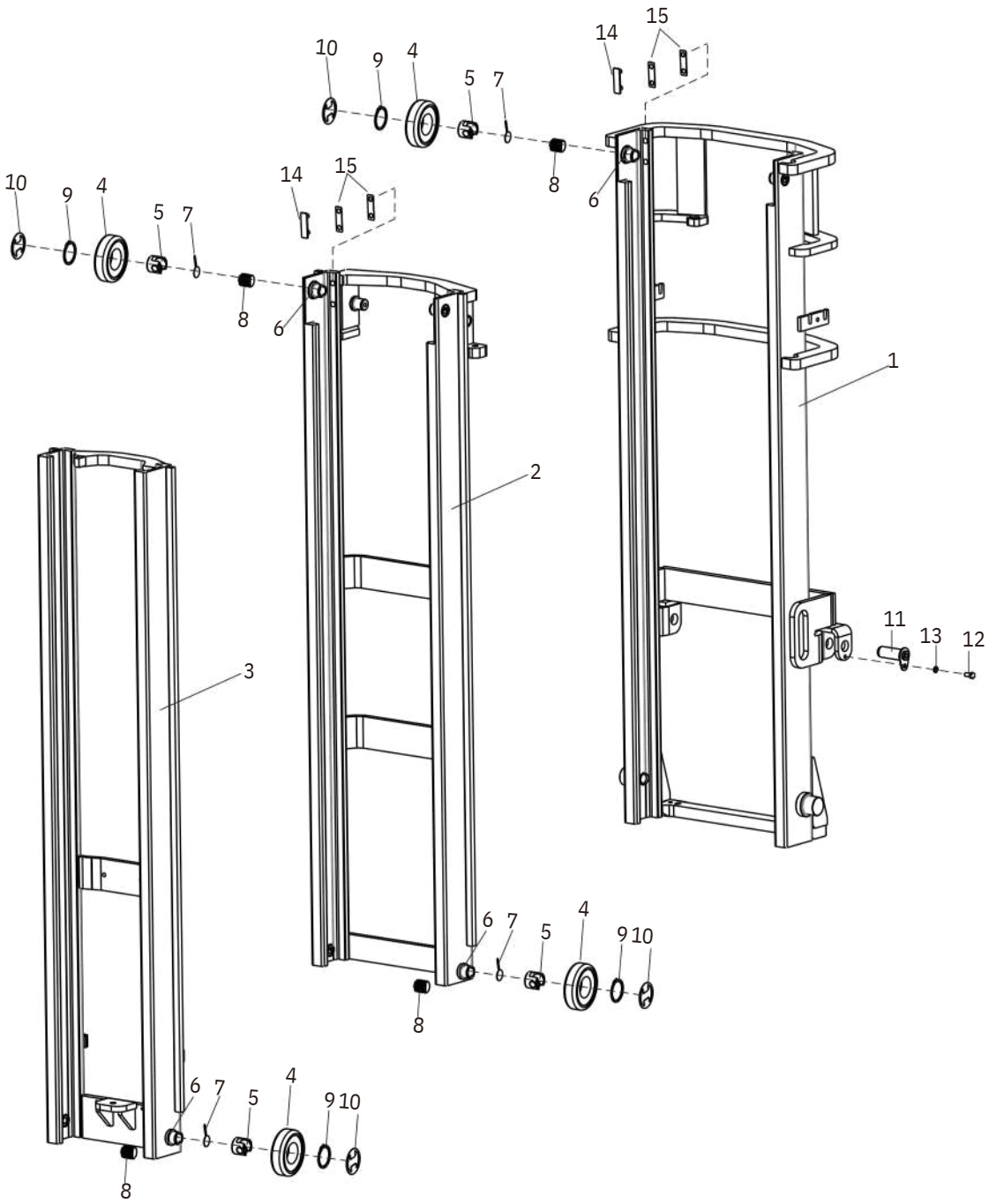
08- Mast (Normal Mast)



No.	Part No.	Description	Qty.	Remark
1	M16E3-10000	Mast,outer	1	
2	M16E3-20000	Middle Mast	1	
3	S16A3-40102	End Roller	4	
4	S16A3-40103	Side roller	4	
5	S16A3-40101	Spindle head	4	
6	S16A3-40104	Anti Loose Tablets	4	
7	S16A3-40105	Screw	4	
8	GB/T894.1	Snap,ring	4	
9	S16A3-40106	Dust-Proof ring	4	
10	M30A3-00100	Tilt cylinder pin (pin axle)	4	
11	GB/T5786	M10×1.25 × 20 Bolt	4	
12	GB/T93	10 Washer,lock	4	
13	M30A3-40001	Limit Slider	2	
14	M30A3-40002/3	Shim (adjusting washer)	2 group	

7- LIFTING SYSTEM

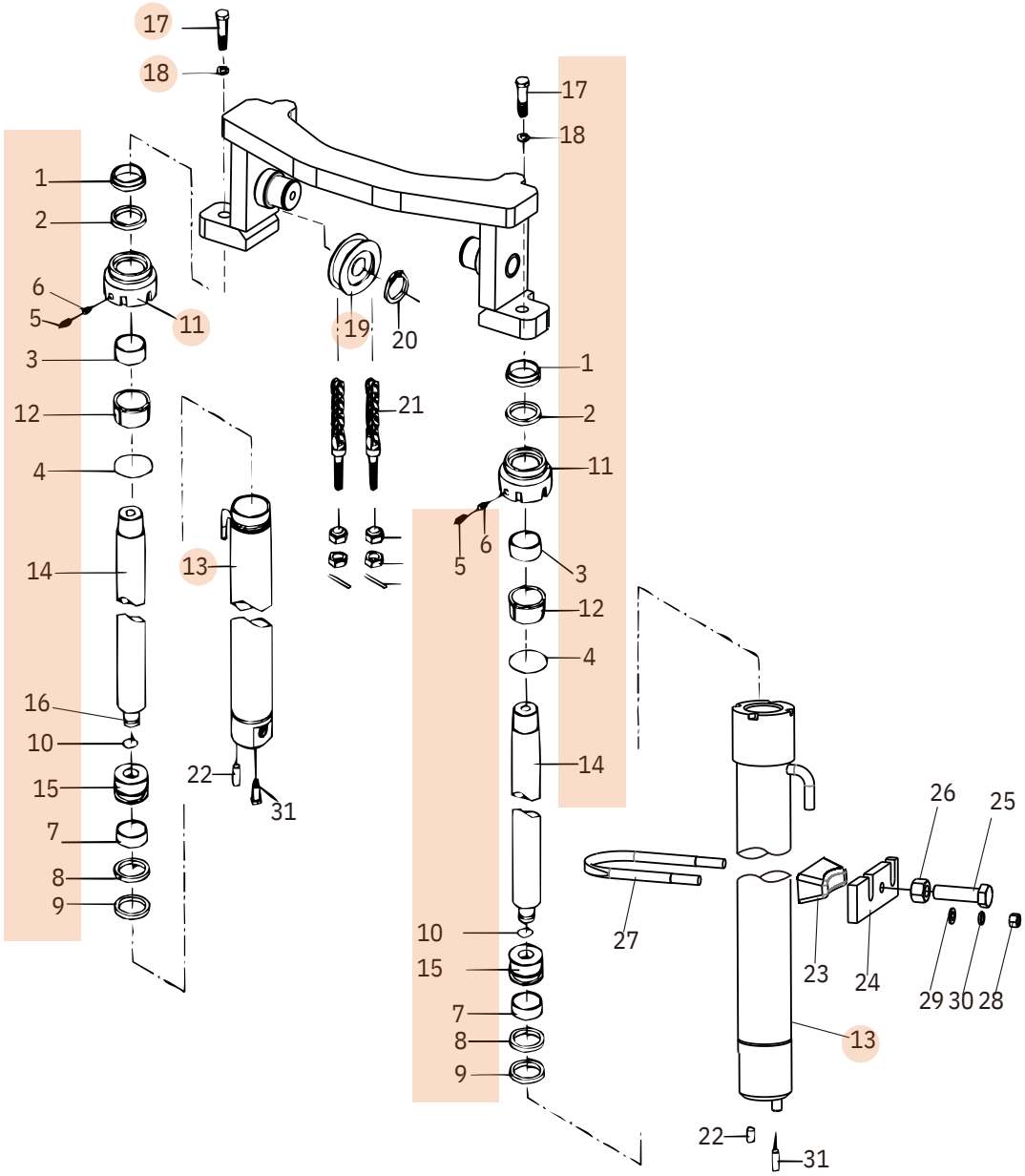
09- Mast (Full Free 3-Stage Mast KZM)



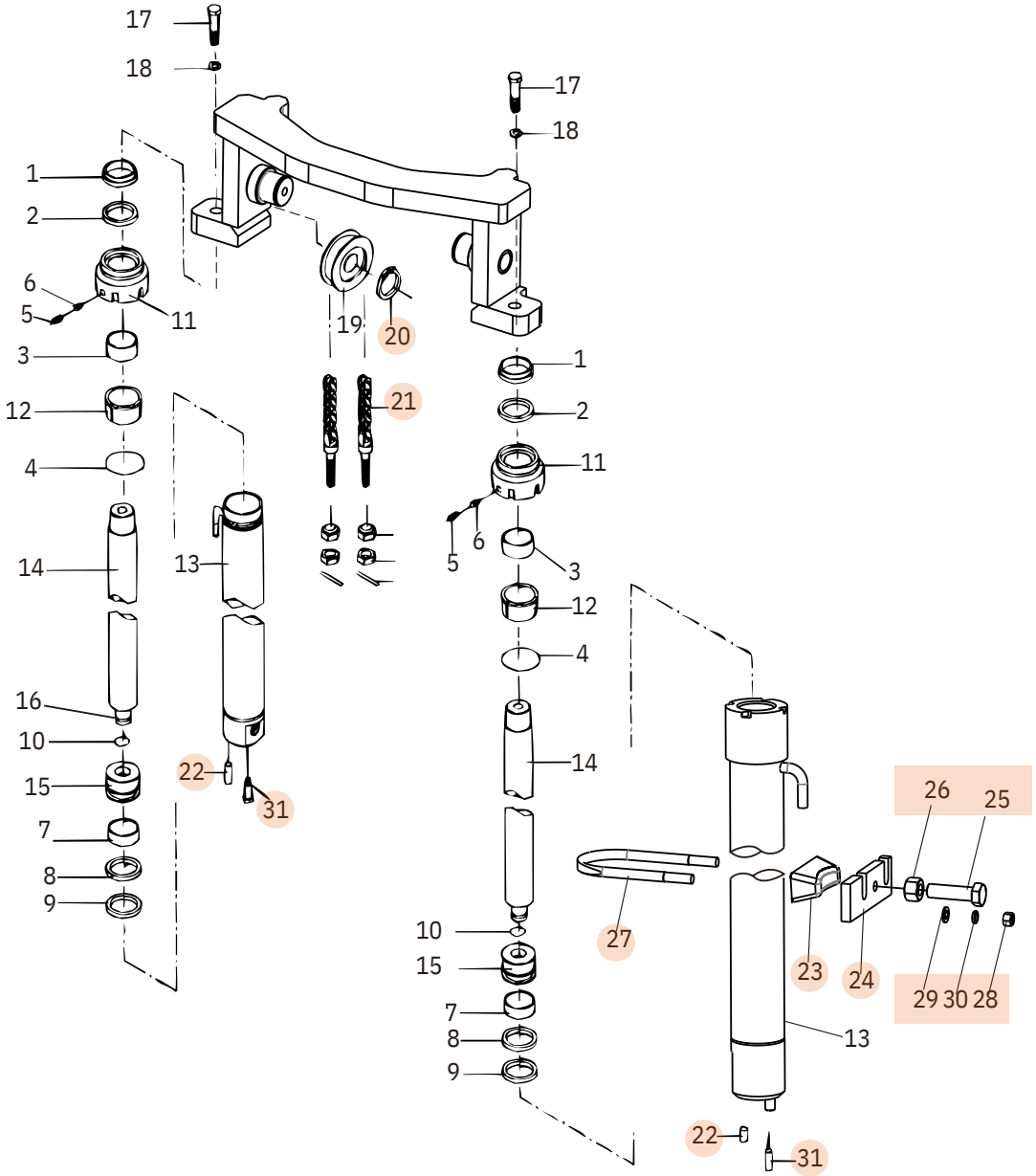
No.	Part No.	Description	Qty.	Remark
1	S16E3-10000	Mast,outer	1	
2	S16E3-20000	Mast	1	
3	S16E3-30000	Mast,inner	1	
4	S16A3-40102	End Roller	8	
5	S16A3-40103	Side roller	8	
6	S16A3-40101	Spindle head	8	
7	S16A3-40104	Loose slice	8	
8	S16A3-40105	Adjustment Screw	8	
9	GB/T894.1	35 Snap,ring	8	
10	S16A3-40106	Dust-Proof ring	8	
11	M30A3-00100	Pin axle	4	
12	GB/T5786	M10 × 1.25× 20 Bolt	4	
13	GB/T93	10 Washer,lock	4	
14	M30A3-40001	Slipper	4	
15	M30A3-40002/3	Shim	4 group	

7- LIFTING SYSTEM

10- Lift Cylinder (Normal Mast KM)



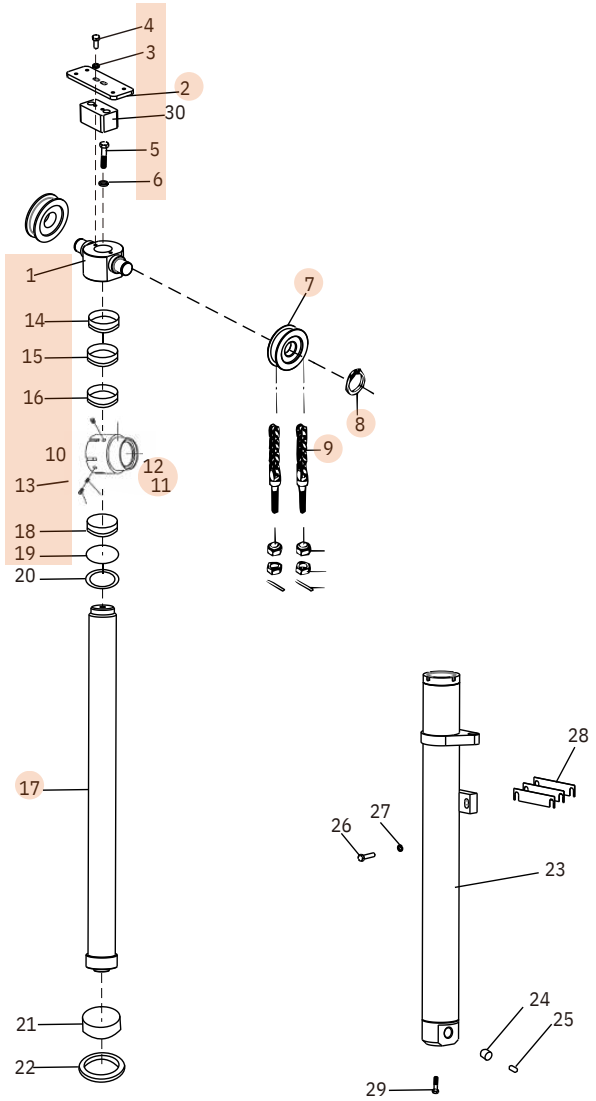
No.	Part No.	Description	Qty.	Remark
A	A15A4-10100	Lift cylinder ass'y	1	
1	A15A4-10101	35×47×7×10 Dust-proof ring	2	
2	A15A4-10102	35×45× 6 Ring	2	
3	A15A4-10103	SF-1/35×39×30 Guide bushing	2	
4	GB/T3452.1	47.5×2.65 O-ring	2	
5	GB/T80	M8×8 Screw	4	
6	A15A4-10104	Plug	4	
7	A15A4-10105	45×20× 2Backup ring	2	
8	A15A4-10106	45×35×3 Stopper	2	
9	A15A4-10107	45×35× 6 Ring	2	
10	A15A4-10108	Snap ring	2	
11	A15A4-10109	Guide,Sleeve	2	
12	A15A4-10110	Sleeve	2	
13	A15A4-10111	Cylinder	2	
14	A15A4-10112	Piston rod	2	
15	A15A4-10113	Piston	2	
16	A15A4-10114	Spacer	2	
17	GB/T5786	M14 x 1.5 x 40 Bolt	2	
18	GB/T93	14 Washer,lock	2	
19	M15A3-80100	Sheave	2	



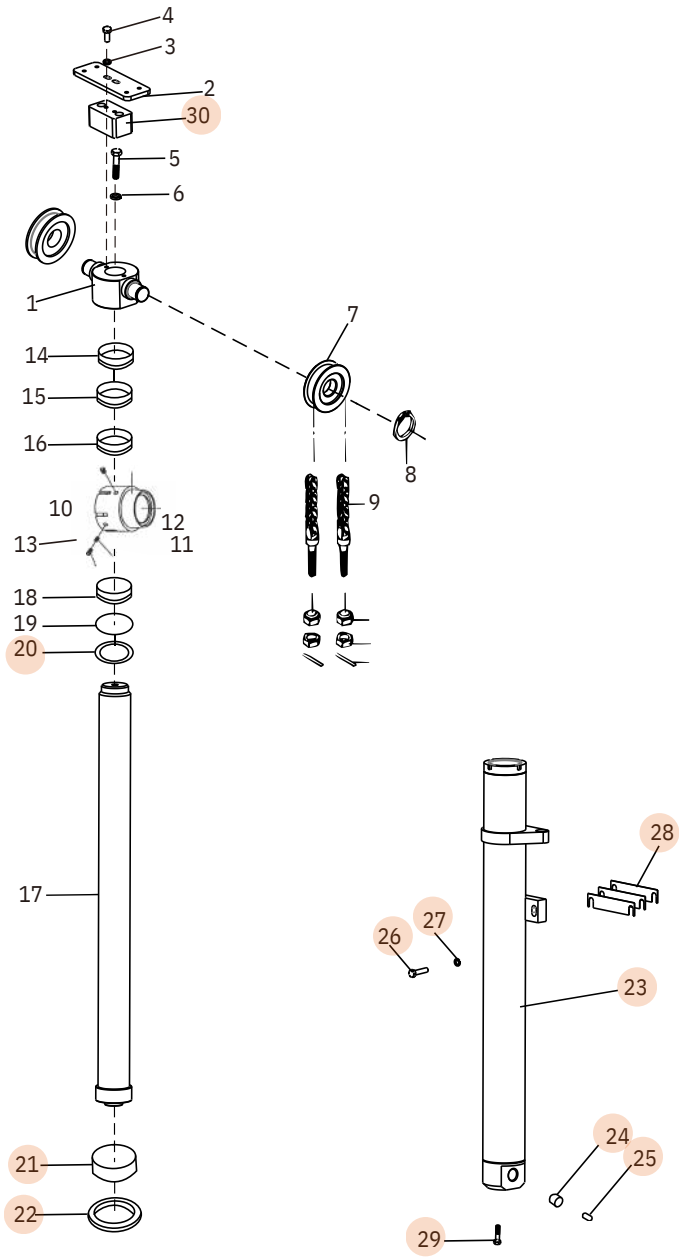
No.	Part No.	Description	Qty.	Remark
20	GB/T894.1	40 Snap ring	2	
21	LH1223 × N	Chain ass'y	2	
22	GB/T119.1	D10 x 26 Pin	2	
23	M30A3-80002	Spacer	2	
24	S16E3-10010	Cylinder Support Block	2	
25	GB/T5783	M12 × 50 Bolt	2	
26	GB/T6170	M12 Nut	2	
27	M16E3-80001	U-Bolt	2	
28	GB/T6170	M8 Nut	4	
29	GB/T97.1	8 Washer	4	
30	GB/T93	8 Washer,lock	4	
31	M30A3-80001	Step Bolt	2	

7- LIFTING SYSTEM

11- Front Lift Cylinder (Full Free 3-Stage Mast KZM)



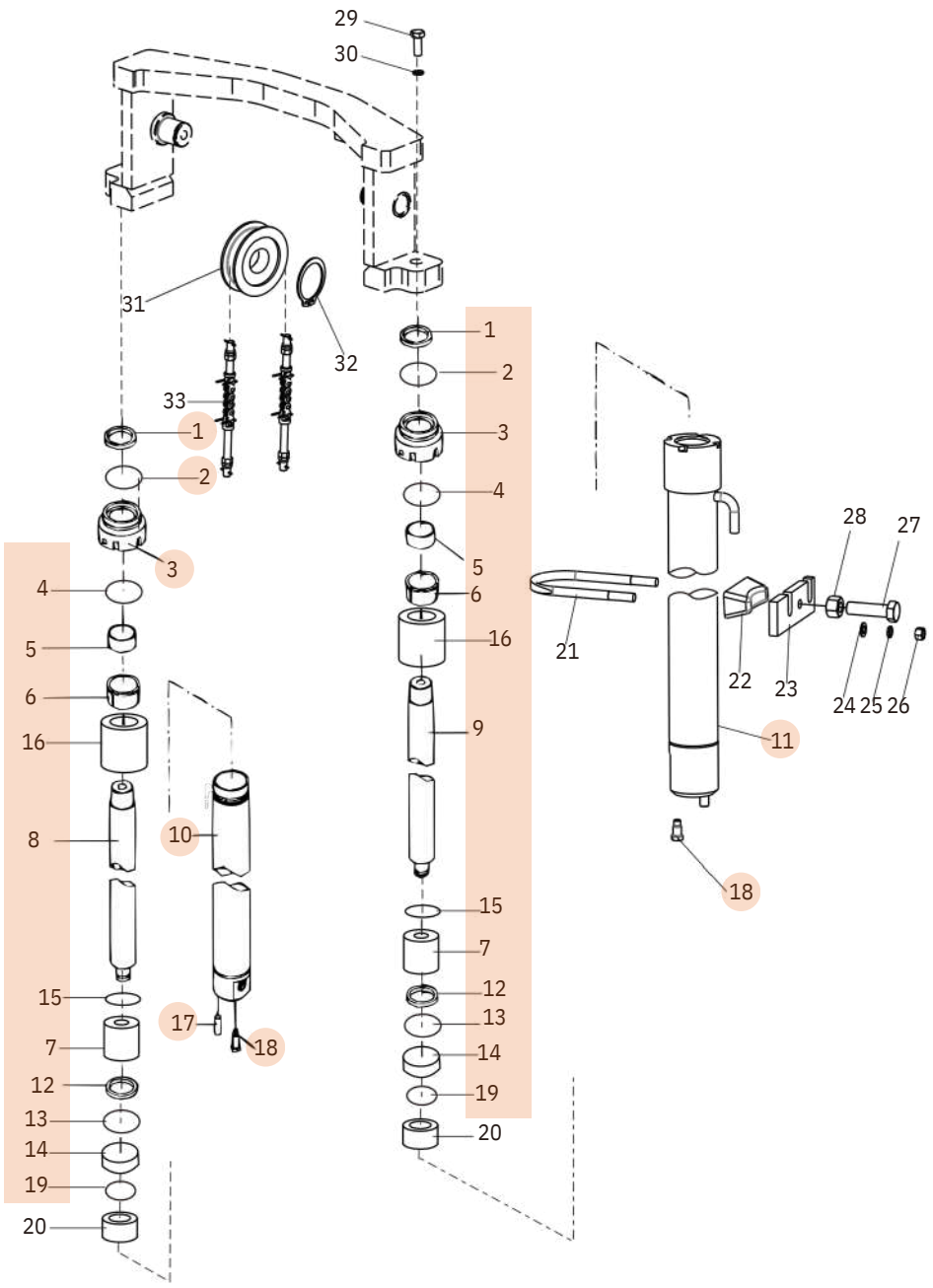
No.	Part No.	Description	Qty.	Remark
A	A16E4-10500	Front lift cylinder ass'y	1	
1	S16E3-80100	Sheave Seat (Cylinder Head ass'y)	1	
2	S16E3-80001	Chain Guard	1	
3	GB/T93	8 Washer,lock	2	
4	GB/T5783	M8 × 16 Bolt	2	
5	GB/T5783	M16×1.5× 50 Bolt	1	
6	GB/T93	16 Washer,lock	1	
7	S16A3-80100	Sheave	2	
8	GB/T894.1	30 Snap ring	2	
9	LH1223 × N	Chain ass'y	2	
10	A16E4-10501	Cap,lift cylinder	1	
11	GB/T73	Screw M8×10	1	
12	A16E4-10502	Plug φ6×3	1	
13	A16E4-10503	ZG1/8 〃 Plug	1	
14	A16E4-10504	70×84× 8/11 Dust ring	1	
15	A16E4-10505	Snap ring φ70×φ80×3	1	
16	A16E4-10506	70×80× 6 Ring	1	
17	A16E4-10507	Piston rod	1	
18	A16E4-10508	35 Guide bushing φ75×φ70×	1	
19	GB/T3452.1	90× 3.55 O-ring	1	



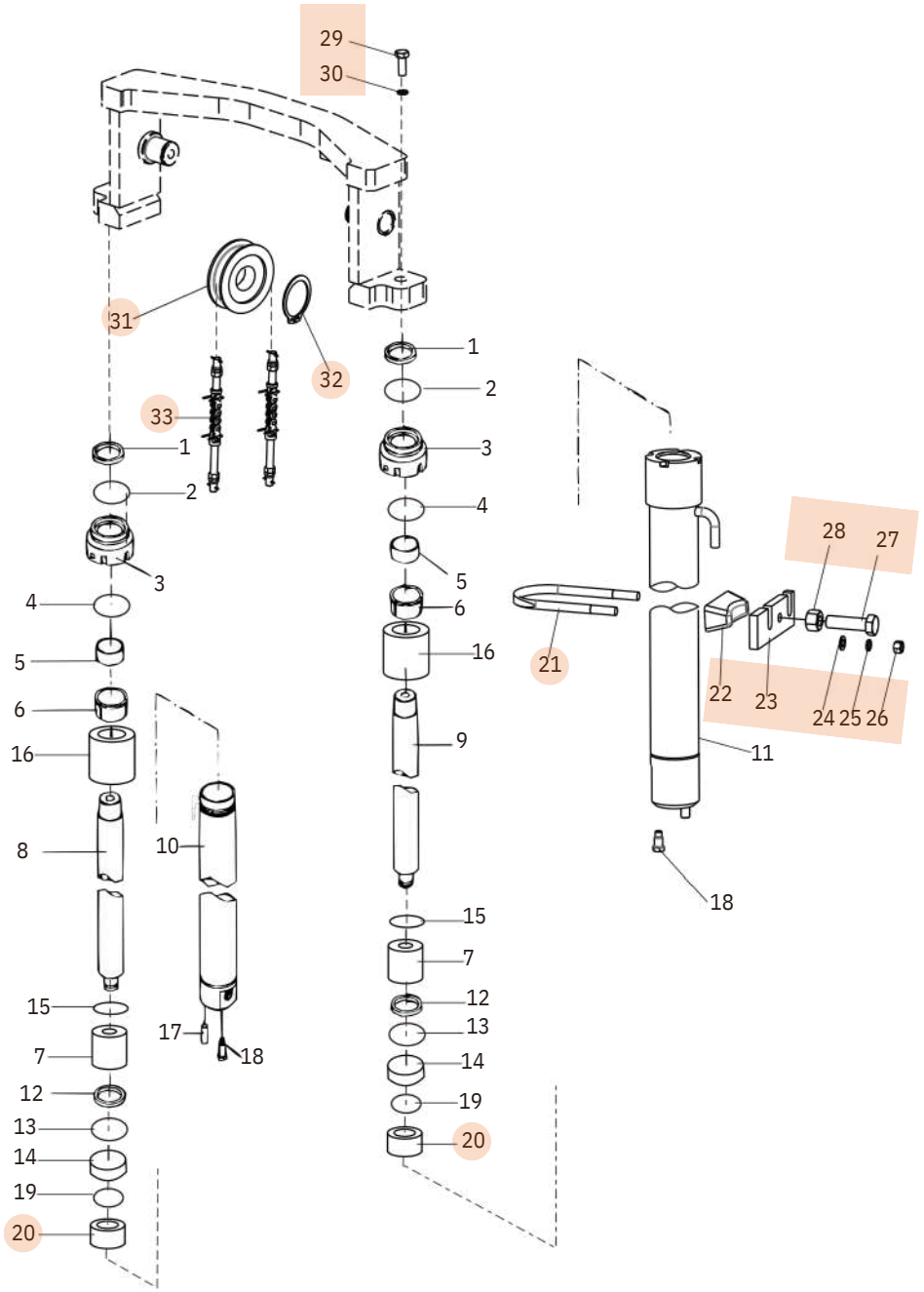
No.	Part No.	Description	Qty.	Remark
20	A16E4-10509	φ89×φ95×1.5 Stopper	1	
21	A16E4-10510	80×20×2.5 Backup ring	1	
22	A16E4-10511	φ80×φ72×4 Sear ring	1	
23	A16E4-10512	Cylinder	1	
24	A16E4-10513	Spool	1	
25	A16E4-10514	Spring	1	
26	GB/T5786	M12 × 1.25 × 45 Bolt	2	
27	GB/T93	12 Washer,lock	2	
28	S16E3-80002	Plate	3	
29	M30A3-80001	Bolt	3	
30	S16E3-80001	Spacer	1	

7- LIFTING SYSTEM

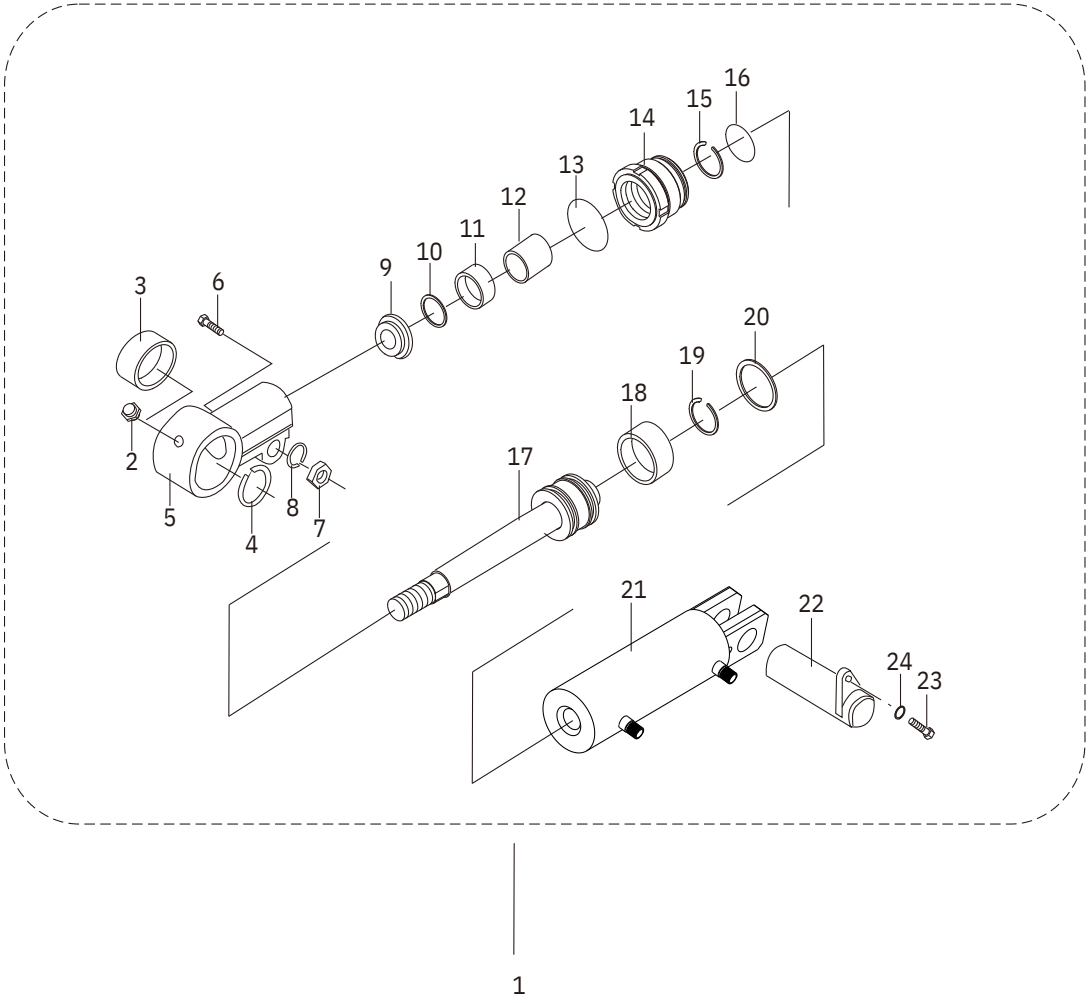
12- Rear Lift Cylinder (Full Free 3-Stage Mast KZM)



No.	Part No.	Description	Qty.	Remark
A	A16E4-10600	Rear lift cylinder ass'y	1	
1	A16E4-10601	36×48×7/10 Dust-proof ring	2	
2	A16E4-10602	36×46×6 ring	2	
3	A16E4-10603	Cap,lift cylinder	2	
4	GB/T3452.1	47.5 × 2.65 O-ring	2	
5	A16E4-10604	Guide Sleeve	2	
6	A16E4-10605	Guide bushing	2	
7	A16B4-10606H	Pistons	2	
8	A16E4-10607	Piston rod (Left)	1	
9	A16E4-10608	Piston rod (Right)	1	
10	A16E4-10609	Cylinder (Left)	1	
11	A16E4-10610	Cylinder (Right)	1	
12	A16E4-10611	45 x 8 x 2.5 Backup ring	2	
13	A16E4-10612	35×45×3 Snap ring	2	
14	A16E4-10613	45×35×6 Ring	2	
15	A16E4-10614	φ24×φ2 Snap ring	2	
16	A16E4-10615	Adjustment package	2	
17	GB/T119	D10 x 25 Pin	1	
18	M30A3-80001	Step Bolt	2	
19	A16E4-10616	φ22×φ2 Stopper	2	



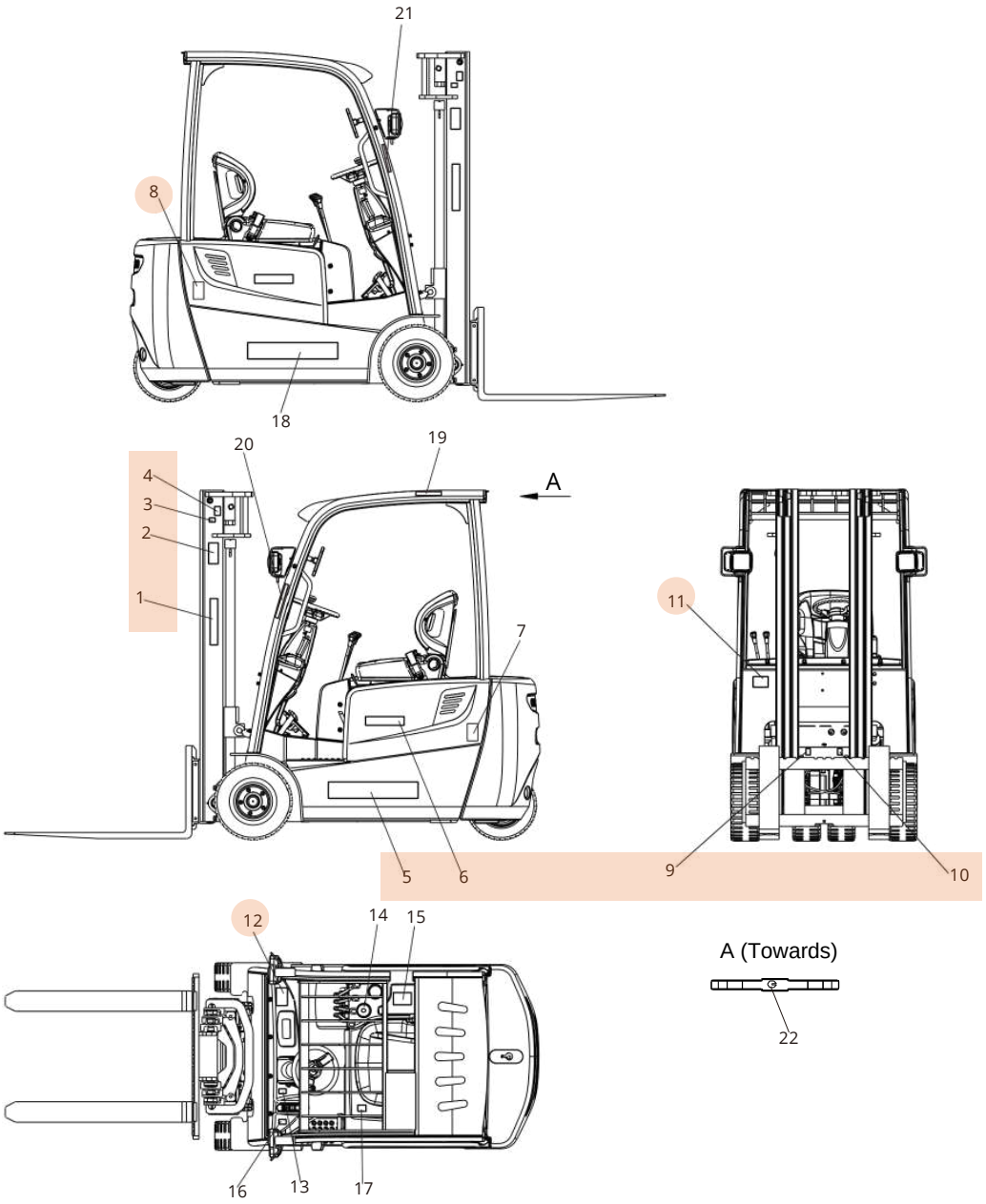
No.	Part No.	Description	Qty.	Remark
20	A16E4-10617	Buffer Cover	2	
21	M15A3-80001	U-Bolt	2	
22	M30A3-80002	Spacer	2	
23	S16E3-10010	Cylinder Support Block	2	
24	GB/T97.1	10 Washer	4	
25	GB/T93	10 Washer,lock	4	
26	GB/T6170	M10 Nut	4	
27	GB/T5783	M12 × 60 Bolt	2	
28	GB/T6170	M12 Nut	2	
29	GB/T5786	M14 x 1.5 x 50 Bolt	2	
30	GB/T93	14 Washer,lock	2	
31	S16A3-80100	Sprocket	2	
32	GB/T894.1	30 Snap ring	2	
33	LH1223 × N	Chain ass'y	2	



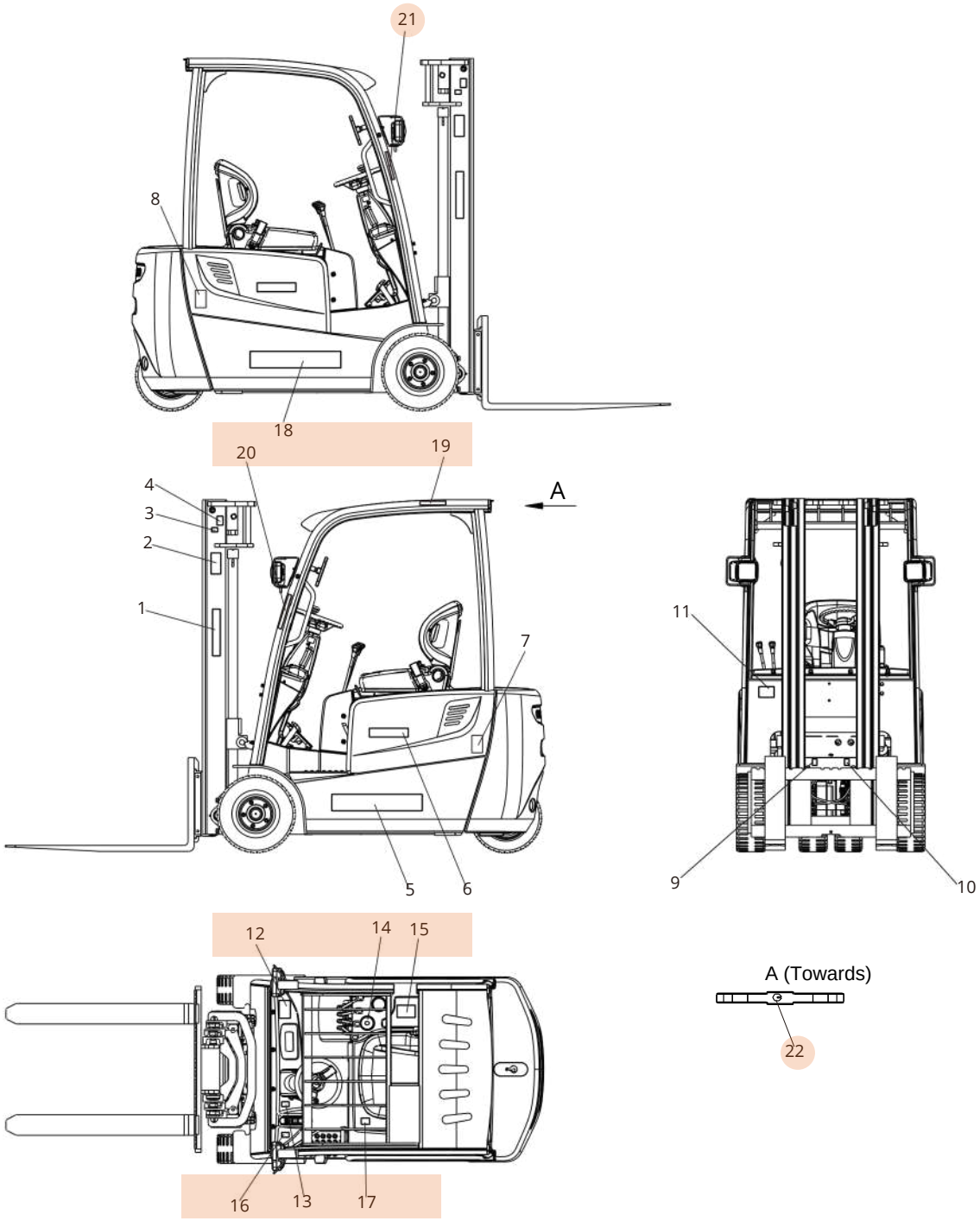
No.	Part No.	Description	Qty.	Remark
1	A16B4-10200	Tilt cylinder assy	2	
2	GB/T1152	M10 x 1 Nipple grease	2	
3	GB/T304.5	GE30ES Bushing	2	
4	GB/T893.1	47 Ring,snap	2	
5	A16B4-10201	Ear ring	2	
6	GB/T5783	M14 x 1.5 x 45 Bolt	2	
7	GB/T6710	M14 x 1.5 Nut	2	
8	GB/T93	Washer, lock	2	
9	A16B4-10202	Dust Ring	2	
10	A16B4-10203	25 φx 33φ x 2 Ring, snap	2	
11	A16B4-10204	25 x 33 x 5 Ring	2	
12	A16A3-10205	φ25 x φ28 x 20 Bushing	2	
13	GB/T1235	68 x 3.1 O-ring	2	
14	A16B4-10206	Cap	2	
15	A16B4-10207	φ58 x φ63 x 1.5 Ring,snap	2	
16	A16B4-10208	63 x 3.1 O-ring	2	
17	A16B4-10209	piston body	2	
18	A16B4-10210	63 x 53 x 6 ring	4	
19	A16B4-10211	φ53 x φ63 x 1.5 Ring,snap	4	
20	A16B4-10212	63 x 14.7 x 2.5 Wearing	2	
21	A16B4-10213	Tube, cylinder	2	
22	M30A3-00100	tilt cylinder Pin	2	
23	GB/T5786	M10 x 1.25 x 20 Bolt	2	
24	GB/T93	10 Washer,lock	2	

8- SIGNAGE

01- Decal



No.	Part No.	Description	Qty.	Remark
1		“Customer” Decal	2	domestic use
-		“Customer” Center Decal	2	foreign use
2	GCI0001	Decal safety ,	2	domestic use
-	GCIY053	Decal safety ,	2	foreign use
3	GCI0022	Decal	2	foreign use
4	GCI0014	Decal,sling (Lifting)	2	domestic use
-	GCIY066	Decal,sling (Lifting)	2	foreign use
5		Body plate (Left) Decal	1	
6	GCI0476	AC, 16 Decal	2	
-	GCI0026	18, 20 Decal	2	1.6t
-	GCI0027	Decal “Check Essentials”	2	1.8t
-	GCI0028	Decal	2	2t
7	GCI0005	Decal,caution	1	domestic use
-	GCIY057	Decal,caution	1	foreign use
8	GCI0013	Decal,tire safety	1	domestic use
-	GCIY065	Decal,tire safety	1	foreign use
9	GCI0016	Decal, padlod mast space	1	domestic use
-	GCIY068	Decal, It is prohibited to enter the space behind the mast	1	foreign use
10	GCI0017	Decal, “Pay attention to injured hands”	1	domestic use
-	GCIY069	Decal, “Pay attention to injured hands”	1	foreign use
11	GCI0718	Battery counterbalanced forklift nameplate	1	domestic use
-	GCIY719	Battery counterbalanced forklift nameplate	1	foreign use
12	GCI0114	1-1.8t Decal,Iubrication chart	1	domestic use
-	GCIY115	1-1.8t Decal,Iubrication chart	1	foreign use



No.	Part No.	Description	Qty.	Remark
-	GCI0046	2t Decal, Load Curve	1	domestic use
-	GCIY078	2t Decal, Load Curve	1	foreign use
13	GCI0412	Handbrake Decal	1	domestic use
-	GCIY411	Handbrake Decal	1	foreign use
14	GCIY279	Emergency Stop Switch (Decal)	1	
15	GCI0003	Decal, lubrication chart	1	domestic use
-	GCIY055	Decal, lubrication chart	1	foreign use
16	GCI0407	Get out of the car and apply parking brake (Decal)	1	domestic use
-	GCIY275	Get out of the car and apply parking brake (Decal)	1	foreign use
17	GCI0409	No people allowed sign	1	domestic use
-	GCIY410	No people allowed sign	1	foreign use
18	GCI0122	Body Plate (Right)Decal	1	
19	GCIY124	Warning logo	1	domestic use
-	GCIY273	Warning logo	1	foreign use
20	GCIY272	Read Instruction Warning logo	1	
21		Fasten seat belts warning logo	1	
22		Logo Decal	1	

TITAN
FORKLIFTS



SATISFACTION GUARANTEE
NO COST
5 Years
6000 Hours
WARRANTY
SATISFACTION GUARANTEE

QUALITY
RELIABILITY
STRENGTH

All Titan Forklifts ® products meet ASME B56-1 and CSA B35 standards

TITAN FORKLIFTS LTD.