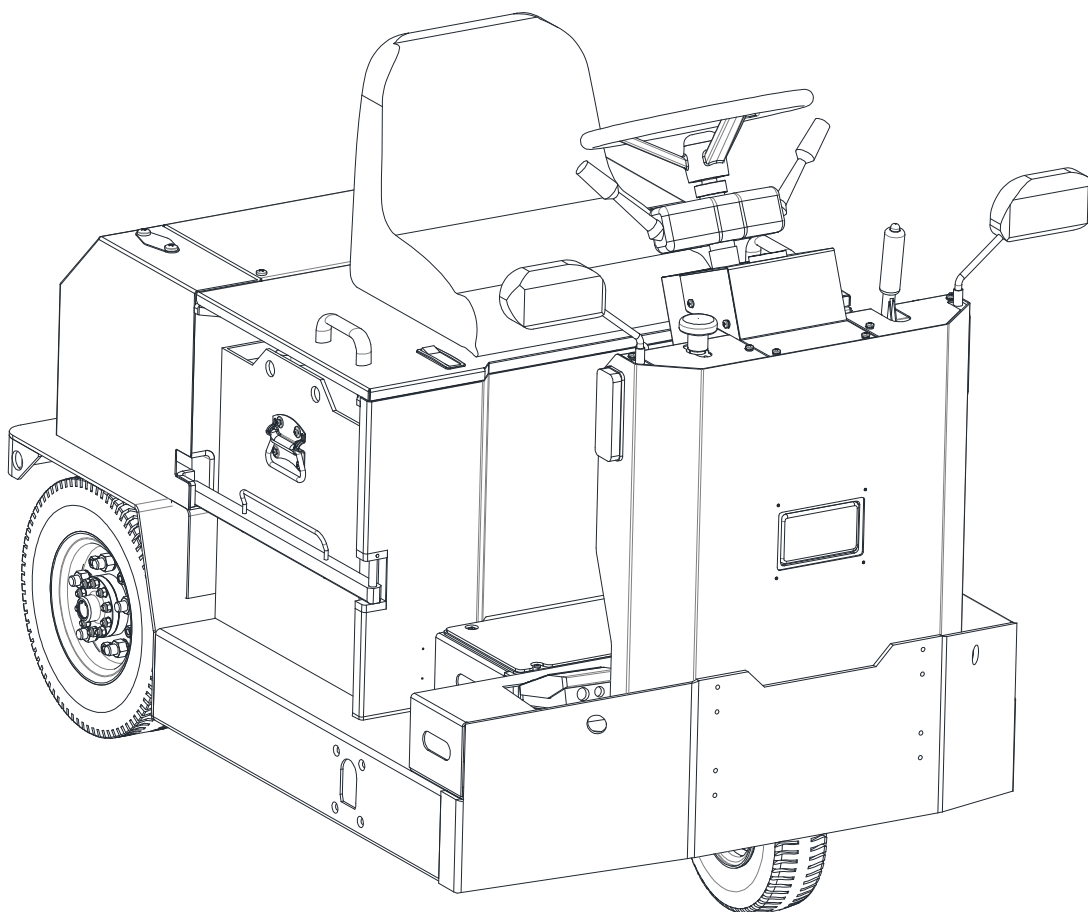


ELECTRIC TOW TRACTOR – DSPM 500

SPARE PARTS LIST



YEAR – 2016/2017

REVISION – R

Kolec co., ltd.

3-3-5 Tenmabashi, Kita-ku, Osaka, Japan. TEL +81-6-6351-3280 FAX +81-6-6351-8365

Osaka branch / Tokyo branch / Nagoya branch / Parts center / After sales service center

FOREWARD

This Parts List has been prepared based on the standard model. Before use, read the following precautions and make use of this Parts List for servicing and ordering parts.

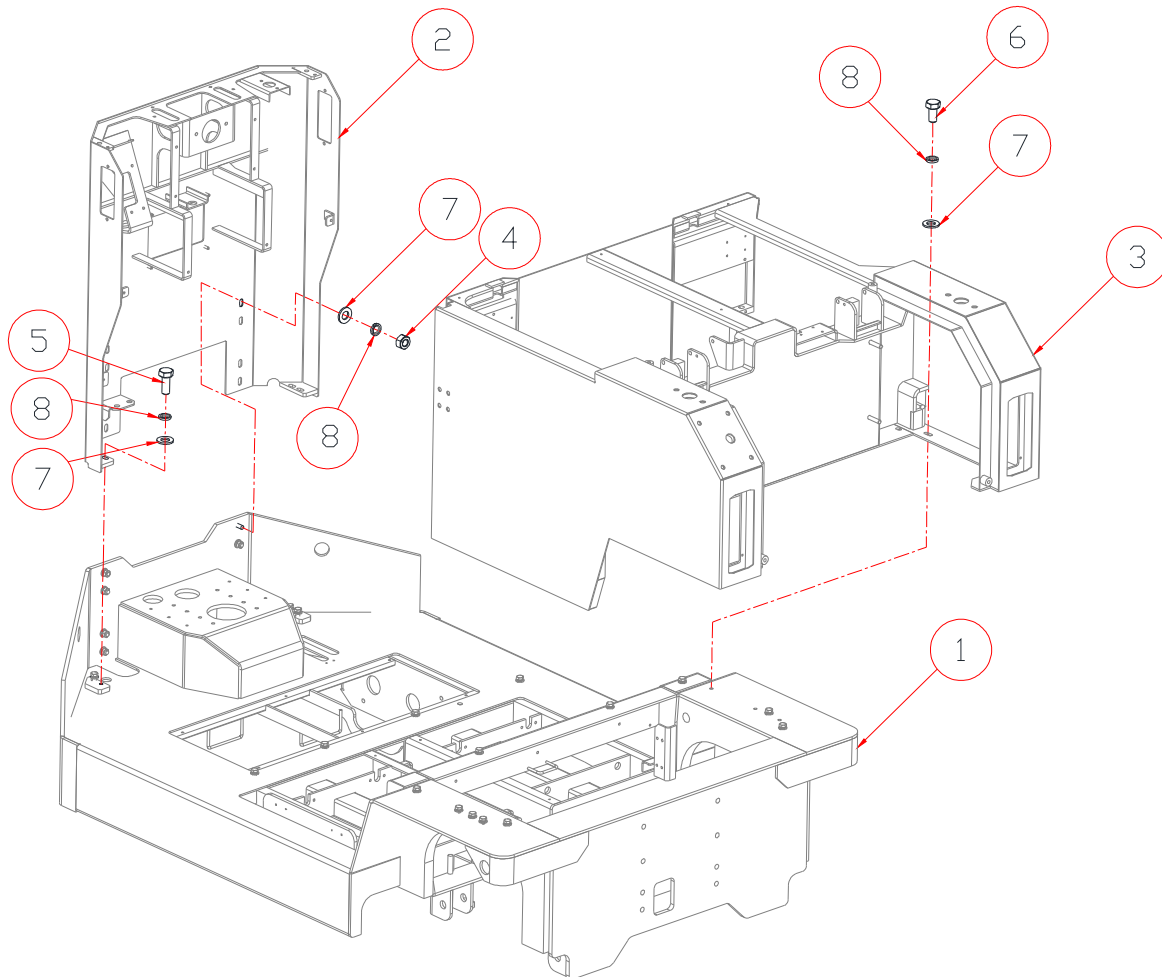
Precautions during Use

1. While placing an order, provide information on vehicle and part details.
 - Vehicle details (Model, Serial No. and Year of manufacturing)
 - Part details (Part no., Part name and quantity)
2. In case of custom-built vehicles, please refer the data sheet as provided with the standard manual to order or service the parts.
3. The parts included in this Parts List are subject to change without prior notice in order to upgrade the vehicle.

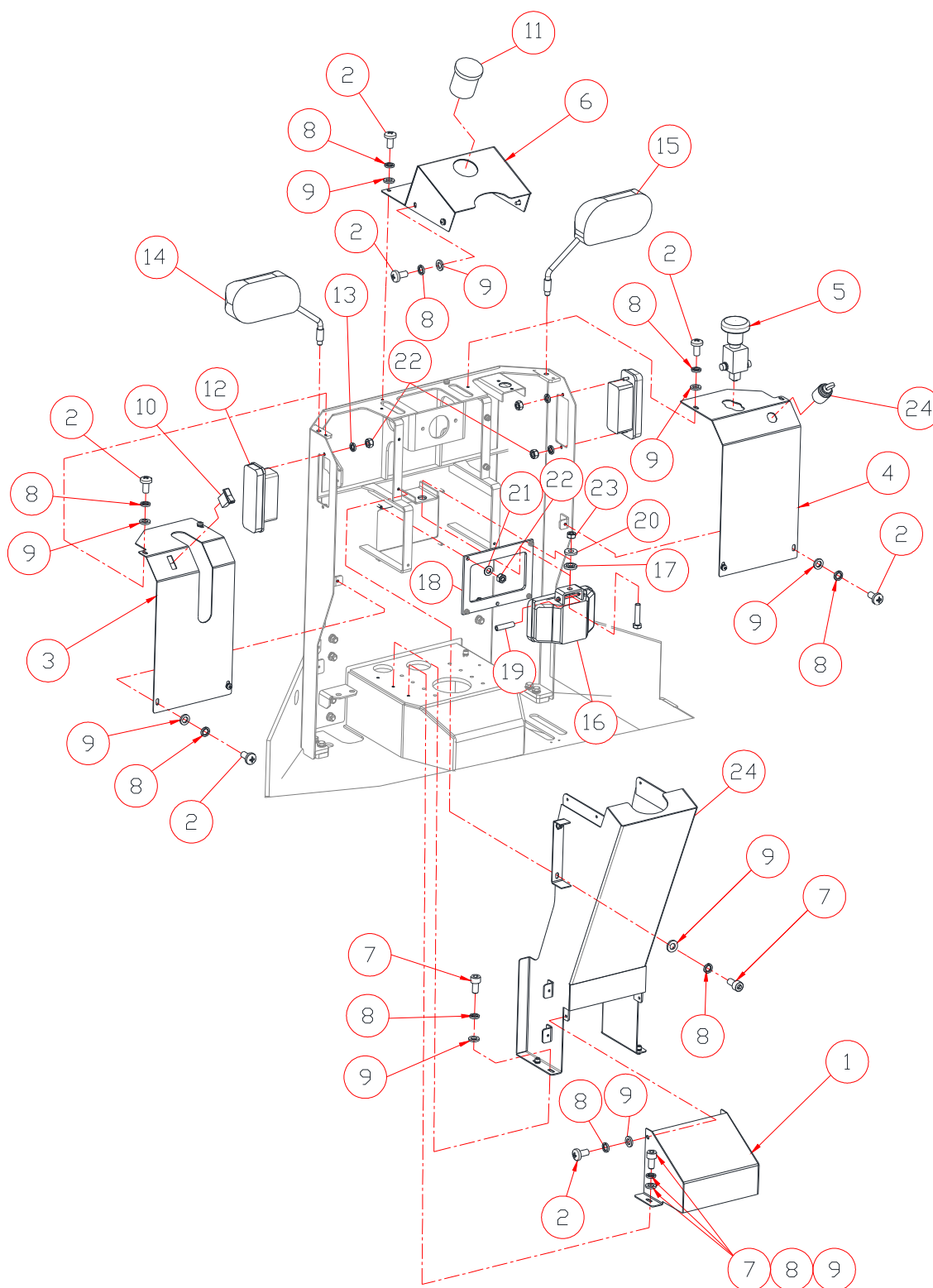
CONTENTS

SR. NO.	CONTENT	PAGE NUMBER
1	FRAME ASSEMBLY	1
2	COVER1 ASSEMBLY	2-3
3	COVER2 ASSEMBLY	4-5
4	COVER3 ASSEMBLY	6
5	STEERING ASSEMBLY	7-9
6	FRONT WHEEL ASSEMBLY	10
7	BATTERY ASSEMBLY	11
8	DRIVE ASSEMBLY	12-14
9	BRAKE ASSEMBLY	15-16
10	AC CONTROL PANEL ASSEMBLY	17-18
11	TRANS AXLE-TX2	19-21
12	TOW COUPLING & RUBBER MAT	22

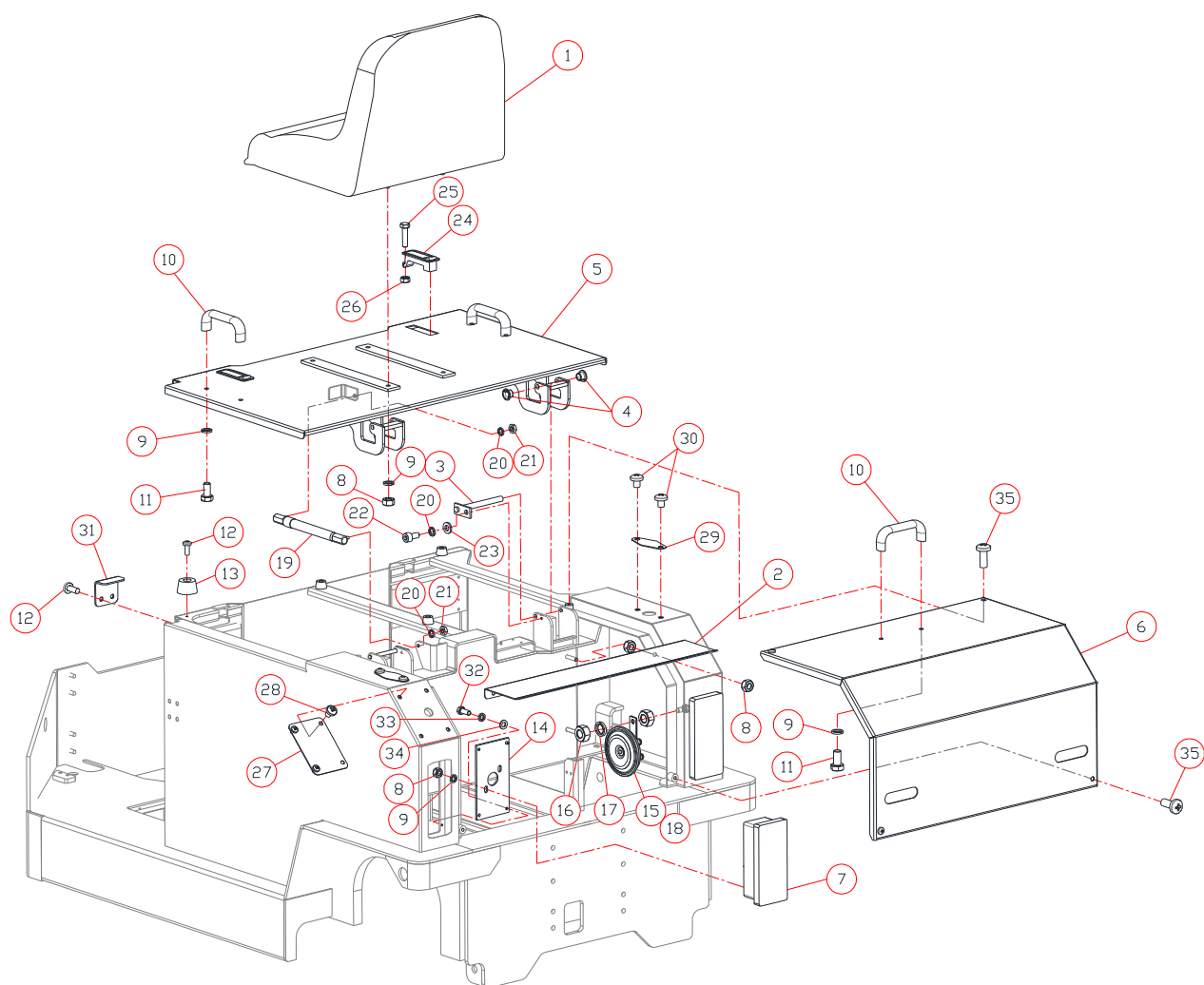
FRAME ASSEMBLY



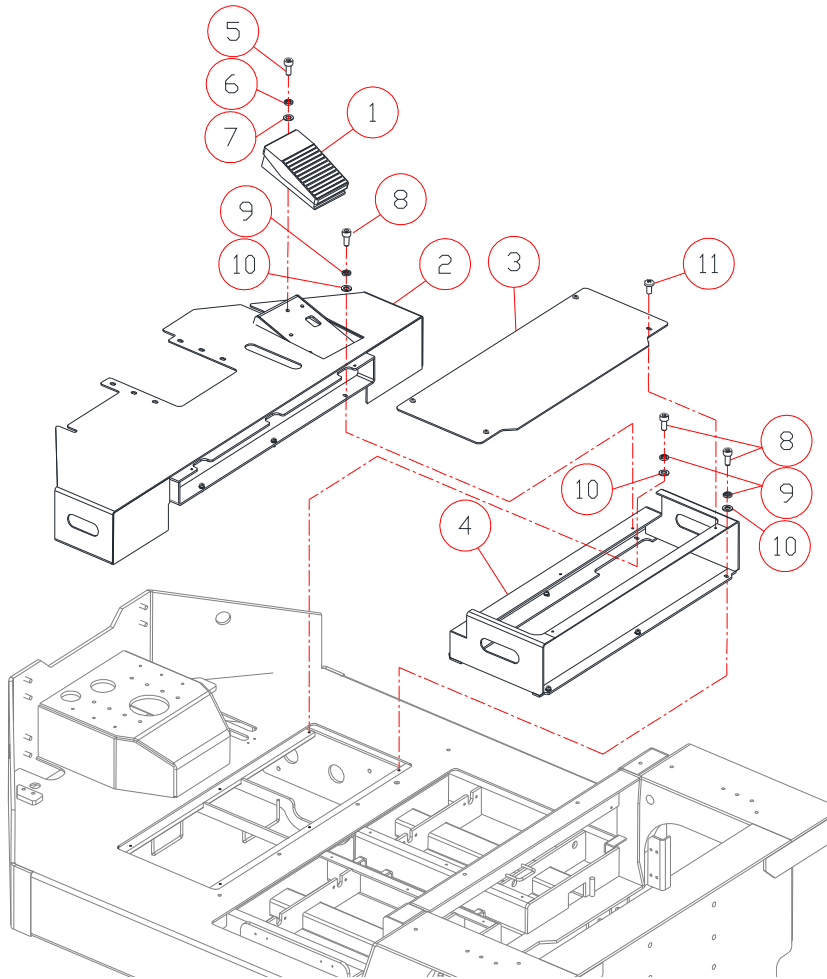
Item No.	Drawing No.	Parts Name	Q'TY	Remarks
1	ASYDS0011	FLOOR COMPONENT	1	
2	ASYDS0012	FRONT FRAME OMPONENT	1	
3	ASYDS0013	CENTRE FRAME COMPONENT	1	
4	HRWTT0065	HX-NUT	8	M8
5	HRWTT0069	HX-BOLT	4	M8x20L
6	HRWTT0068	HX-BOLT	13	M8x15L
7	HRWTT0086	PLAIN WASHER	25	PW-8
8	HRWTT0094	SPRING WASHER	25	SW-8

COVER1 ASSEMBLY

Item No.	Drawing No.	Parts Name	Q'TY	Remarks
1	ASYDS0014	STEERING COVER 1 COMP	1	
2	HRWTT0129	BUTTON HEAD SCREW	20	M6x12L
3	LSRDS0060	COVER L	1	
4	LSRDS0061	COVER R	1	
5	BOEDT0013	MANUAL DISCONNECT SWITCH	1	
6	ASYDS0015	STEERING COVER 3 COMPONENT	1	
7	HRWTT0053	ALLEN HEAD BOLT	10	M6x12L
8	HRWTT0093	SPRING LOCK WASHER	18	SW-6
9	HRWTT0085	PLAIN WASHER	18	PW-6
10	BOEDT0029	HEAD LIGHT SWITCH	1	
11	BOEDT0009	BDI CUM HOUR METER	1	
12	BOEDT0067	TURN SIGNAL LAMP	2	
13	HRWTT0105	SPRING LOCK WASHER	4	SW-5
14	BOMDT0047	MIRROR-L	1	
15	BOMDT0048	MIRROR-R	1	
16	BOEDT0068	HEAD LIGHT	1	
17	MCHDT0068	NYLON WASHER 1	1	
18	MCHDT0069	BLACK RUBBER PLATE	1	
19	MCHDT0071	HEAD LIGHT PIPE	1	
20	MCHDT0070	NYLON WASHER 2	1	
21	HRWTT0084	PLAIN WASHER	5	PW-5
22	HRWTT0030	HEX-NUT	9	M5
23	HRWTT0003	HEX-NUT	1	M10
24	ASYDS0016	STEERING COVER 2 COMP	1	
25	BOEDT0023	KEY SWITCH	1	

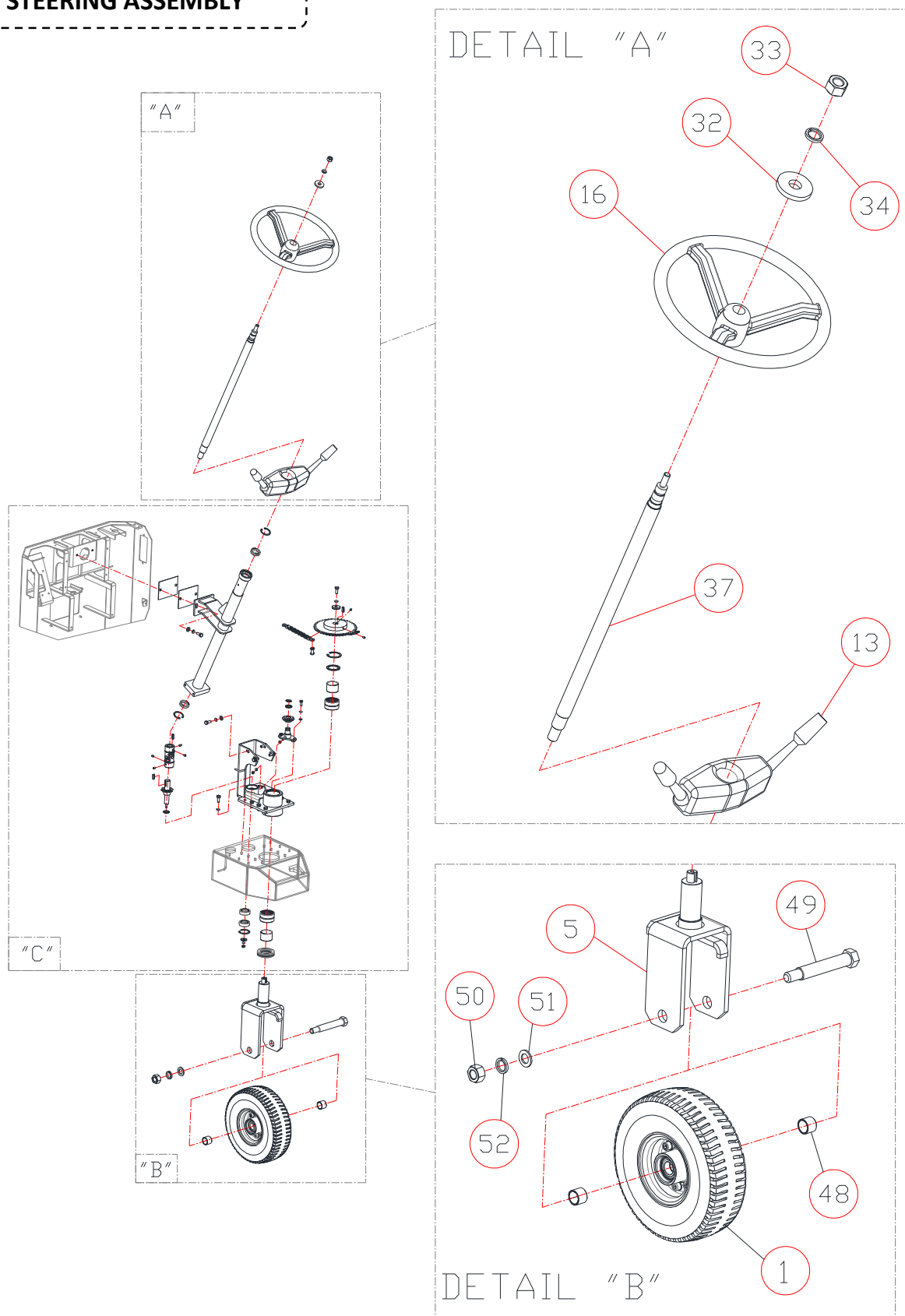
COVER 2 ASSEMBLY

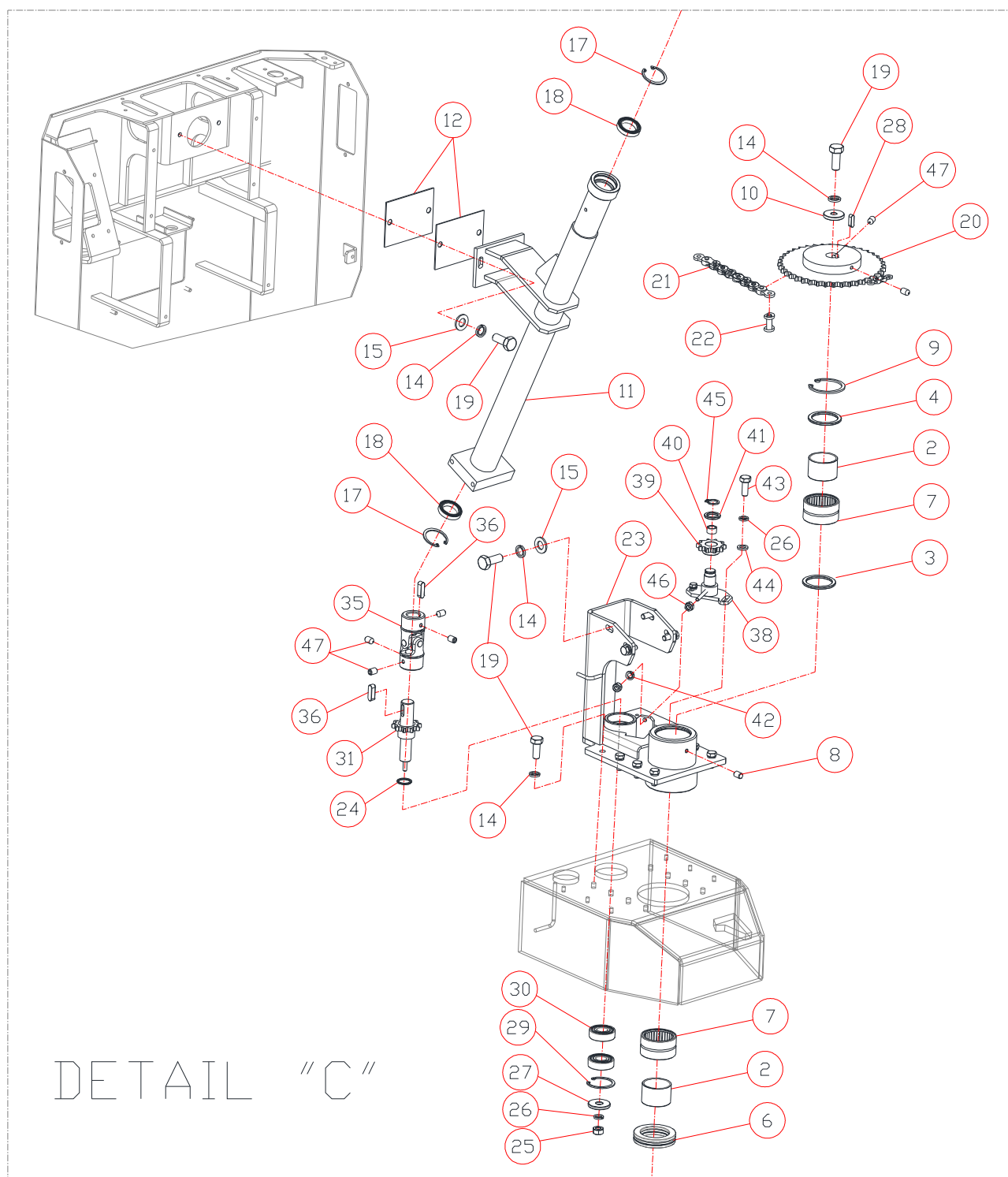
Item No.	Drawing No.	Parts Name	Q'TY	Remarks
1	BOMDS0020	SEAT	1	
2	LSRDS0062	CONTROL PANEL COVER	1	
3	ASYDS0017	COVER PIN	2	
4	BOMDT0109	BUSHING	4	
5	ASYDS0018	TOP COVER COMPONENT	1	
6	ASYDS0019	REAR COVER COMPONENT	1	
7	BOEDT0025	TAIL LAMP	2	
8	HRWTT0065	HX-NUT	12	M8
9	HRWTT0094	SPRING LOCK WASHER	12	SW-8
10	BOMDT0037	U HANDLE	3	
11	HRWTT0076	HX-BOLT	6	M8x16L
12	HRWTT0116	STAR HEAD SCREW	6	M4x10L
13	BOMDT0082	RUBBER MOUNT	4	
14	MCHDT0072	TAIL LAMP BKT	2	
15	BOEDT0004	HORN	1	
16	HRWTT0003	HX-NUT	2	M10
17	HRWTT0087	SPRING LOCK WASHER	1	SW-10
18	BOMDT0110	DIODE	1	
19	BOMDT0024	GAS SPRING	1	
20	HRWTT0093	SPRING LOCK WASHER	4	SW-6
21	BOMDT0111	HEX THIN NUT	2	M6
22	HRWTT0053	ALLEN BOLT	2	M6x12L
23	HRWTT0085	PLAIN WASHER	2	PW-6
24	BOMDT0088	PUSH LOCK	2	
25	HRWTT0061	HX BOLT	2	M6x25L
26	HRWTT0048	HX-NUT	2	M6
27	LSRDT0030	HOLE COVER	1	
28	HRWTT0117	BUTTON HEAD SCREW	4	M8x10L
29	LSRDT0197	HOLE COVER	2	
30	HRWTT0119	BUTTON HEAD SCREW	4	M10x16L
31	LSRDT0035	HOLE COVER	1	
32	HRWTT0035	HX BOLT	8	M5x12L
33	HRWTT0092	SPRING LOCK WASHER	8	SW-5
34	HRWTT0084	PLAIN WASHER	8	PW-5
35	HRWTT0130	BUTTON HEAD SCREW	4	M8x20L

COVER 3 ASSEMBLY

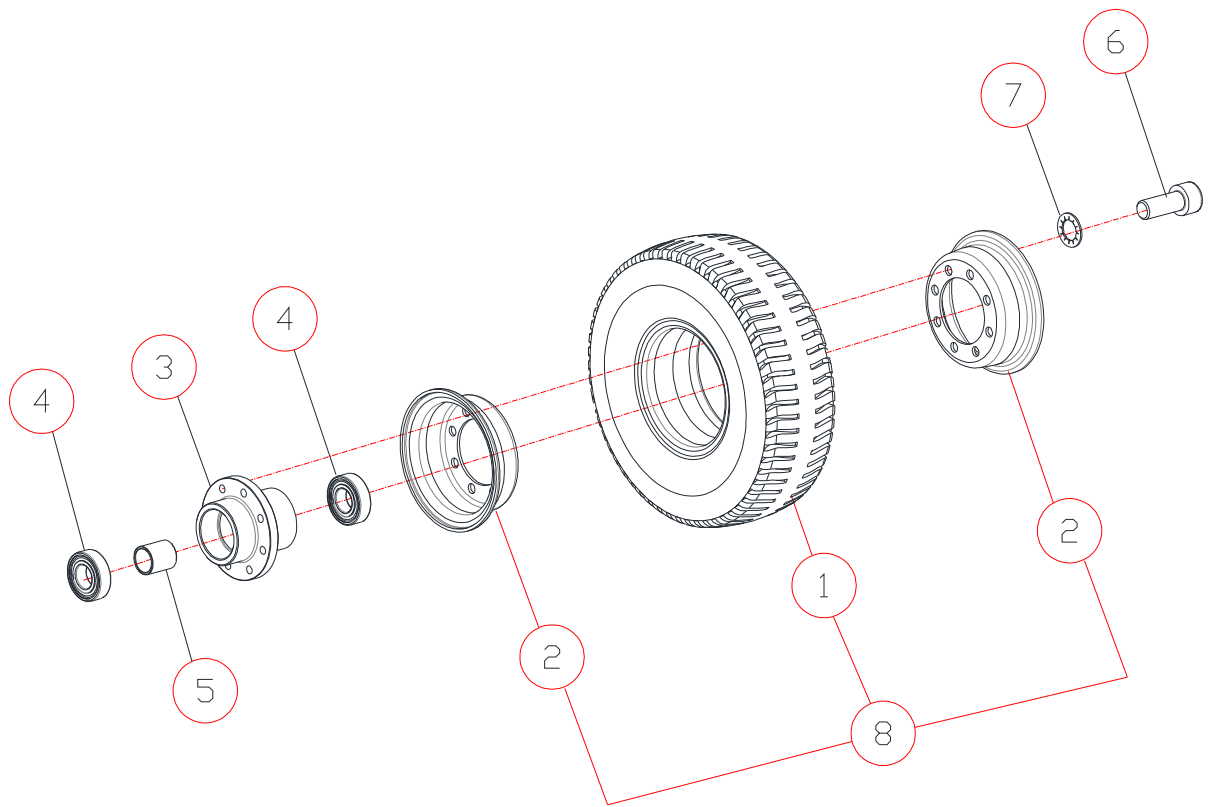
Item No.	Drawing No.	Parts Name	Q'TY	Remarks
1	BOEDT0069	FOOT ACCELERATOR PEDAL	1	
2	ASYDS0020	FLOOR COVER 1 COMP	1	
3	LSRDS0063	FLOOR COVER 2	1	
4	ASYDS0021	FLOOR BASE COMPONENT	1	
5	HRWTT0103	ALLEN BOLT	5	M8x16L
6	HRWTT0094	SPRING LOCK WASHER	5	SW-8
7	HRWTT0084	PLAIN WASHER	5	PW-5
8	HRWTT0034	ALLEN HEAD BOLT	9	M5x12L
9	HRWTT0092	SPRING LOCK WASHER	9	SW-5
10	HRWTT0084	PLAIN WASHER	9	PW-5
11	HRWTT0131	BUTTON HEAD SCREW	4	M5x10L

STEERING ASSEMBLY

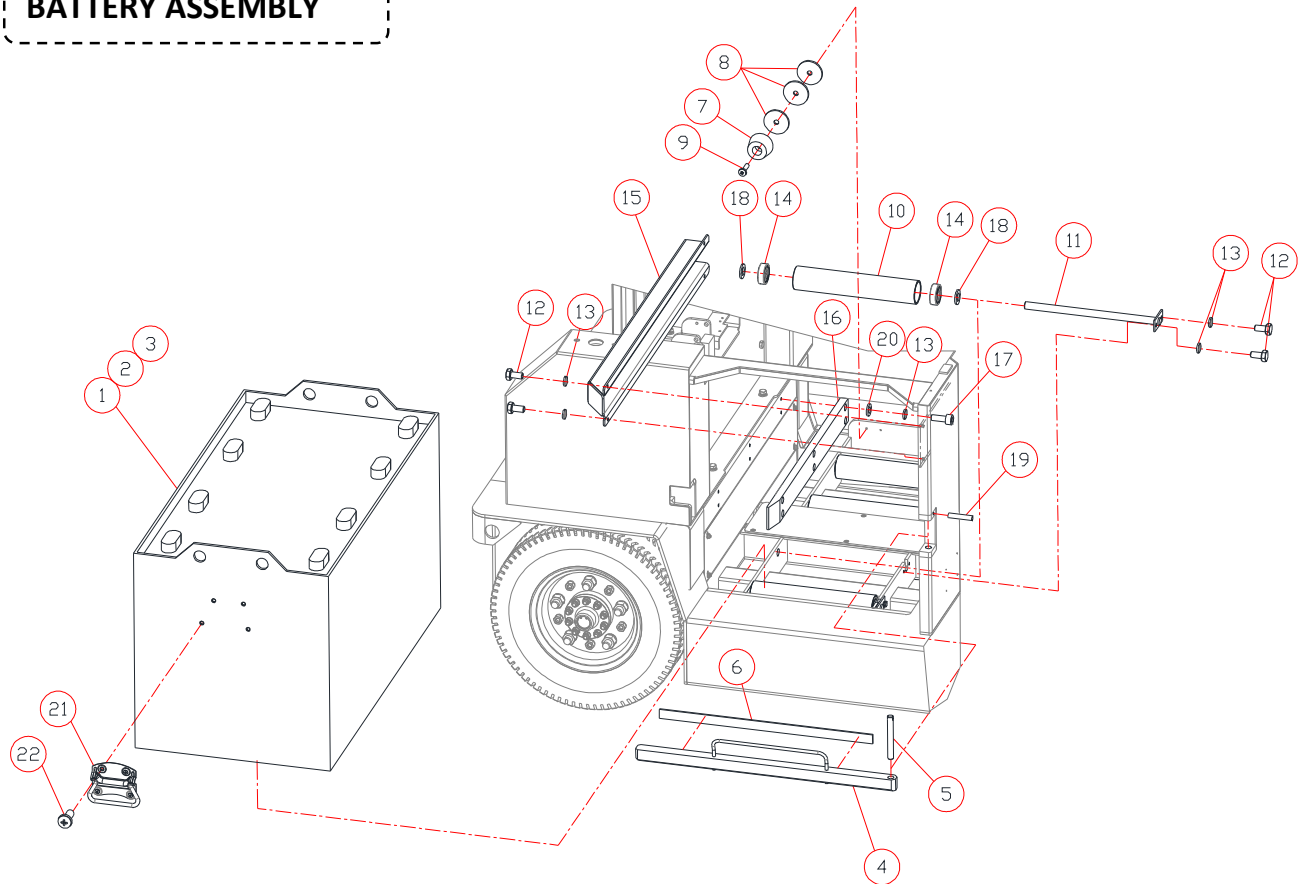




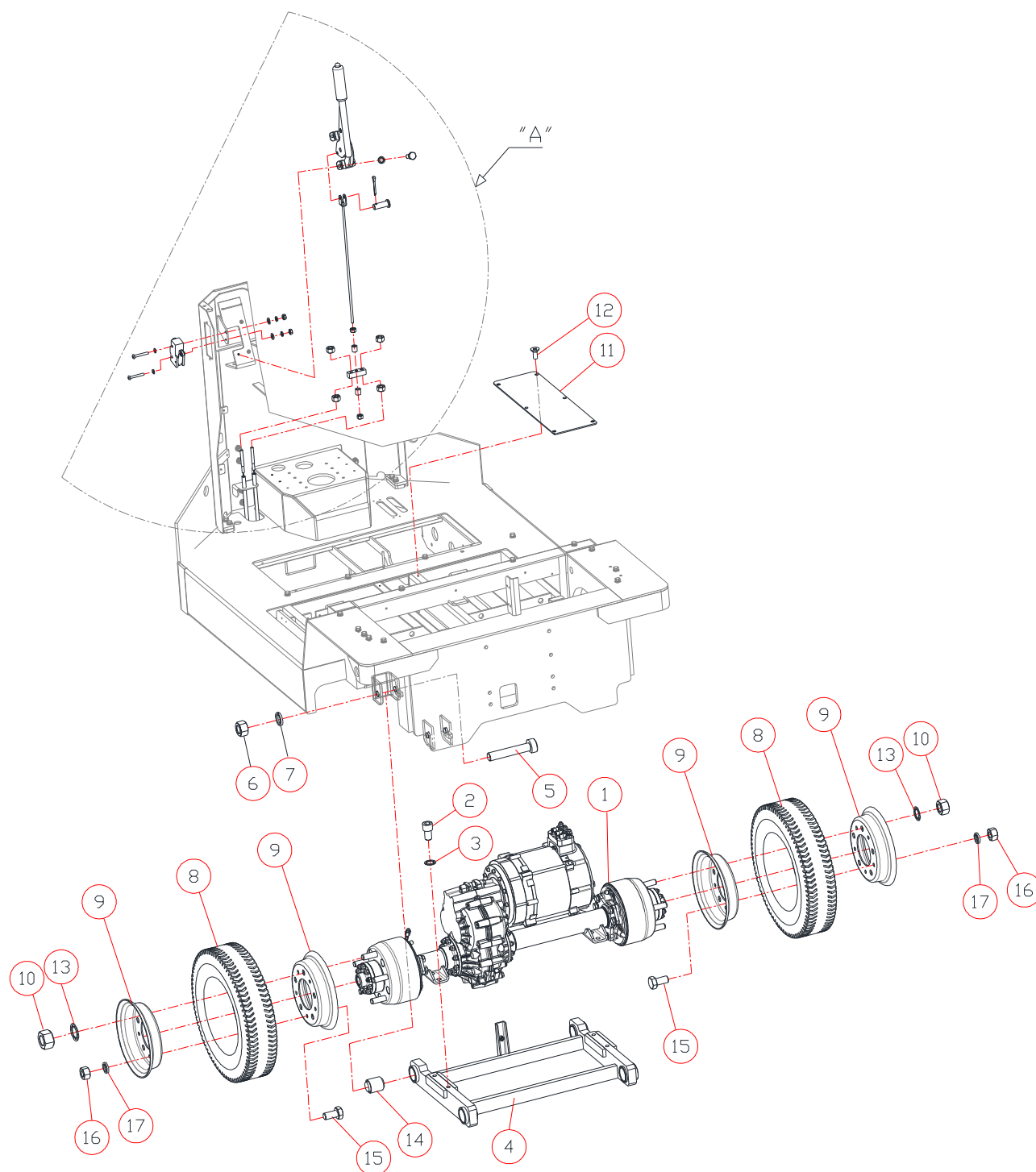
Item No.	Drawing No.	Parts Name	Q'TY	Remarks
1	ASYDT0034	FRONT WHEEL ASSY	1	(RIM+TYRE+HUB+BOLTS)
2	BOMDT0094	INNER RING	2	
3	MCHDT0073	INNER RING SPACER	1	
4	MCHDS0038	TOP PLATE	1	
5	ASYDT0035	WHEEL BKT COMP	1	
6	BOMDT0092	THRUST BEARING	1	
7	BOMDT0108	NEEDLE ROLLER-BEARING	2	
8	HRWTT0050	GREASE NIPPLE	1	
9	BOMDS0023	Snap Ring(Type C)	1	52(for hole)
10	MCHDS0027	WASHER 2	1	
11	ASYDS0022	STEERING COLUMN COMP	1	
12	LSRDT0005	COLUMN SPACER	2	
13	BOEDS0001	COMBINATION SWITCH	1	
14	HRWTT0086	SPRING LOCK WASHER	14	SW-8
15	HRWTT0086	PLAIN WASHER	6	PW-8
16	BOMDS0003	STEERING WHEEL	1	
17	BOMDS0005	SNAP RING (Type C)	2	37(for hole)
18	BOMDS0010	BALL BEARING	2	
19	HRWTT0069	HX-BOLT	14	M8x20L (STRENGTH 8.8)
20	MCHDS0039	SPROCKET 40T	1	
21	BOMDS0002	CHAIN	1	
22	BOMDS0001	JOINT LINK	1	
23	ASYDS0023	SPROCKET BASE COMPONENT	1	
24	MCHDS0040	SPACER 2	1	
25	HRWTT0132	NYLOC NUT	1	M6
26	HRWTT0093	SPRING LOCK WASHER	3	SW-6
27	MCHDS0041	WASHER	1	
28	BOMDS0011	SLIDING KEY	1	
29	BOMDS0026	SNAP RING (Type C)	1	40(for hole)
30	BOMDS0027	BALL BEARING	2	
31	ASYDS0024	SPROCKET SHAFT	1	
32	MCHDT0014	HARD WASHER	1	
33	HRWTT0133	NYLOC NUT	1	M12x1.75
34	HRWTT0088	SPRING LOCK WASHER	1	SW-12
35	BOMDS0028	UNIVERSAL JOINT	1	
36	BOMDS0011	SLIDING KEY	2	
37	MCHDS0042	STEERING SHAFT	1	
38	ASYDS0025	TENSIONER COMPONENT	1	
39	MCHDS0043	TENSIONER SPROCKET 10T	1	
40	BOMDS0029	BUSHING	1	
41	MCHDS0044	WASHER	1	
42	HRWTT0092	SPRING LOCK WASHER	1	SW-5
43	HRWTT0058	HX-BOLT	2	M6x16L
44	HRWTT0085	PLAIN WASHER	2	PW-6
45	BOMDS0030	SNAP RING (Type C)	1	40(FOR SHAFT)
46	HRWTT0030	HX NUT	2	M5
47	HRWTT0134	HEXAGON SACKET HEADLESS SET SCREW	6	M6x10L
48	MCHDT0074	WHEEL SPACER	2	
49	MCHDT0075	WHEEL SHAFT	1	
50	HRWTT0111	NYLOC NUT	1	
51	HRWTT0135	PLAIN WASHER	1	PW-80
52	HRWTT0089	SPRING LOCK WASHER	1	SW-20

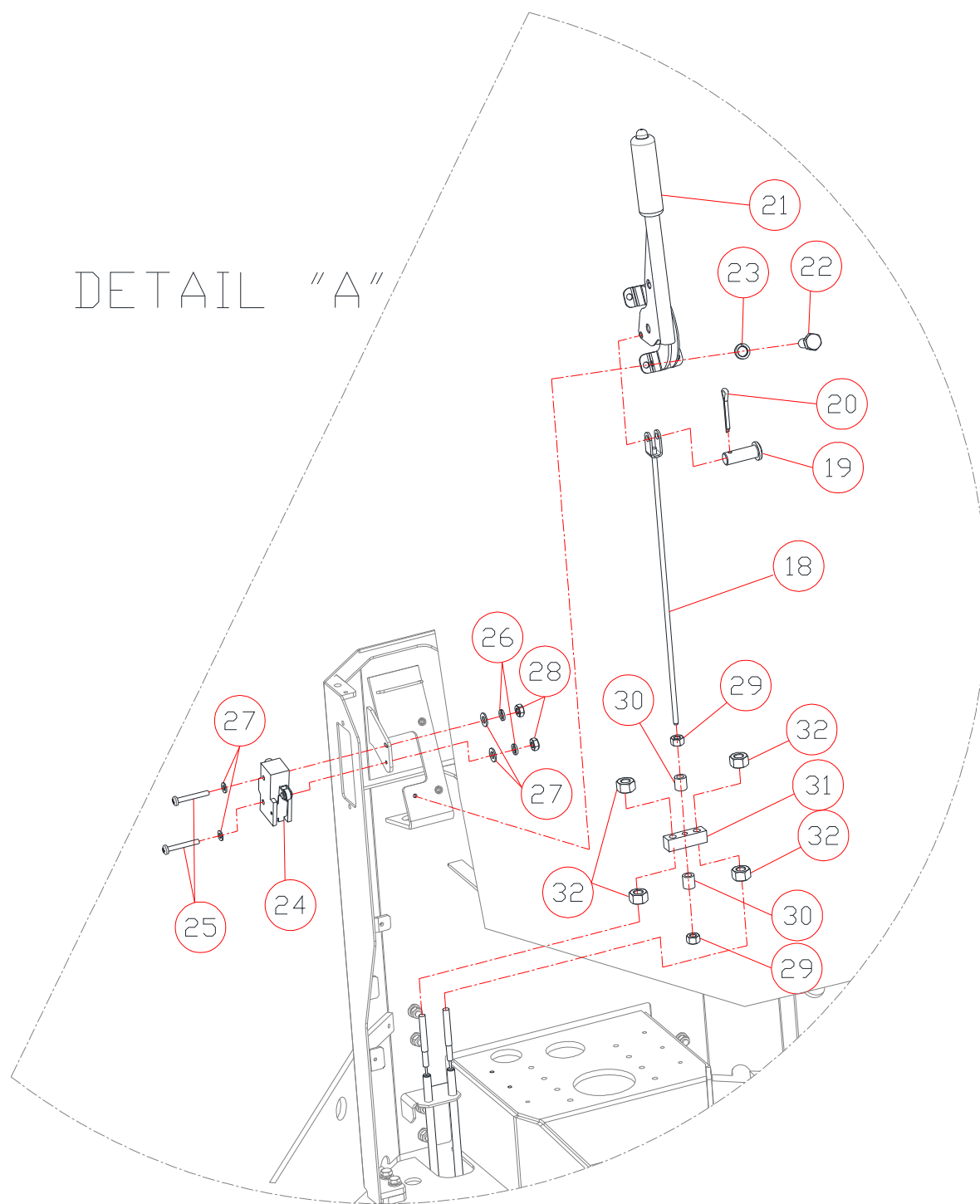
FRONT WHEEL ASSEMBLY

Item No.	Drawing No.	Parts Name	Q'TY	Remarks
1	BOMDT0071	SOLID RESILIENT TYRE 3.50-5	1	
2	BOMDT0112	FRONT WHEEL RIM	2	
3	MCHDT0067	WHEEL HUB	1	
4	BOMDT0084	DEEP GROOVE BALL BEARING	2	
5	MCHDT0076	SPACER	1	
6	HRWTT0136	ALLEN HEAD BOLT (STRENGTH 12.9)	8	M10x25L
7	BOMDT0113	NORD LOCK WASHER	8	NL10
8	ASYDT0036	FRONT WHEEL ASSY (RIM +TYRE)	1	

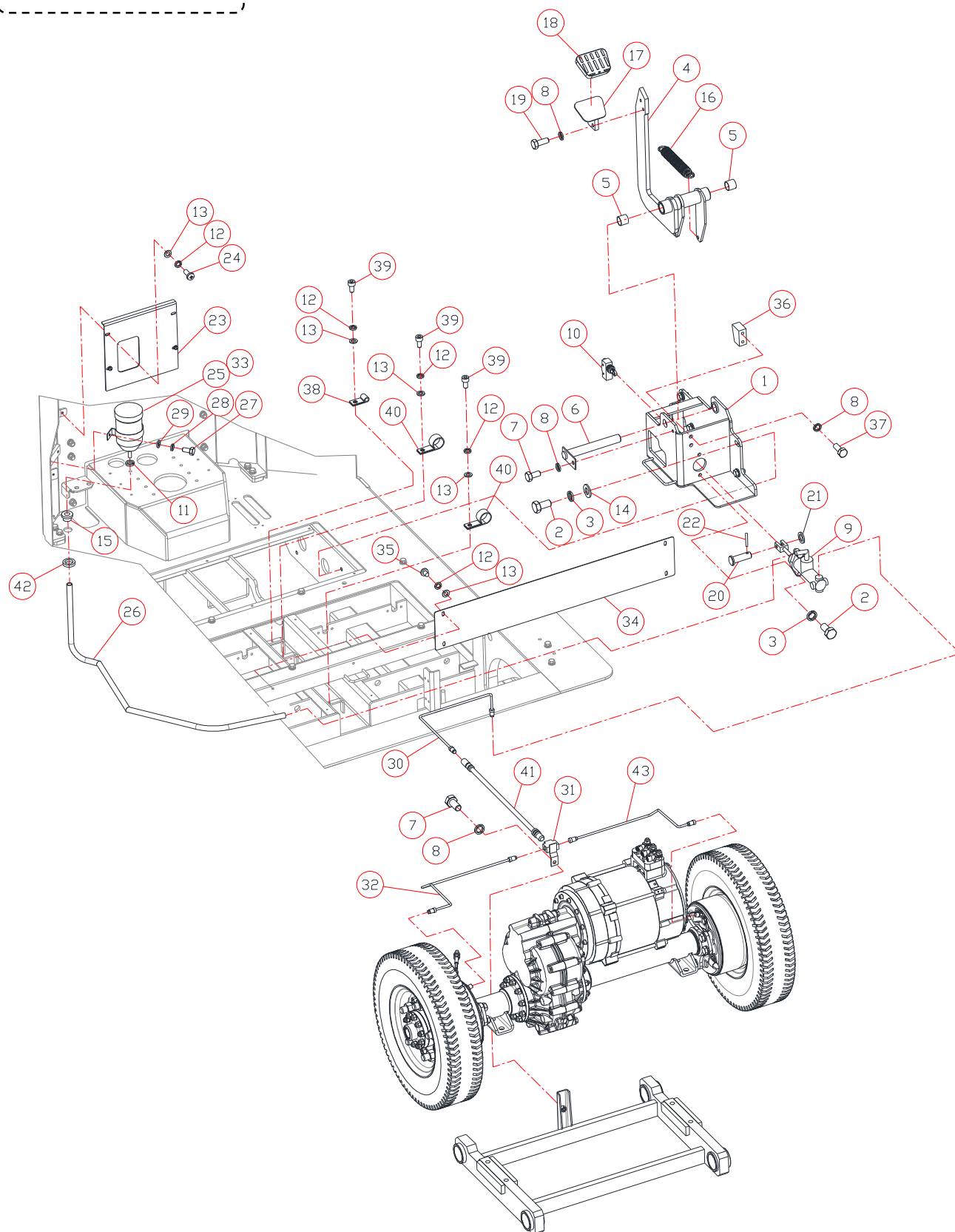
BATTERY ASSEMBLY

Item No.	Drawing No.	Parts Name	Q'TY	Remarks
1A	BOEDT0010	TRACTION BATTERY 48V225Ah	1	GS
1C	BOEDT0017	TRACTION BATTERY 48V240Ah	1	
2	BOEDT0042	BATTERY CONNECTOR	1	
3	BOEDT0070	CONNECTOR	1	
4	ASYDT0037	BATTERY STOPPER COMP	1	
5	MCHDT0077	PIN	1	
6	BOMDT0081	BLACK RUBBER	1	
7	BOMDT0082	RUBBER MOUNT	2	
8	MCHDT0055	Washer	6	t2xØ26xØ5
9	HRWTT0137	STAR HEAD SCREW	2	M4x20
10	MCHDT0078	ROLLER	4	
11	ASYDT0038	ROLLER PIN	4	
12	HRWTT0054	HX-BOLT	12	M6x12L
13	HRWTT0093	SPRING WASHER	18	SW-6
14	BOMDT0022	DEEP GROOVE BALL BEARINGS	8	
15	ASYDT0039	GUIDE	1	
16	ASYDT0040	GUIDE	1	
17	HRWTT0138	ALLEN HEAD BOLT	6	M6x16L
18	HRWTT0081	PLAIN WASHER	8	PW-16
19	HRWTT0108	SPRING PIN	1	Ø5x25
20	HRWTT0085	PLAIN WASHER	6	PW-6
21	BOMDT0070	TRUNK HANDLE	1	
22	HRWTT0046	COUNTERSUNK HEAD SCREW	4	M5x8

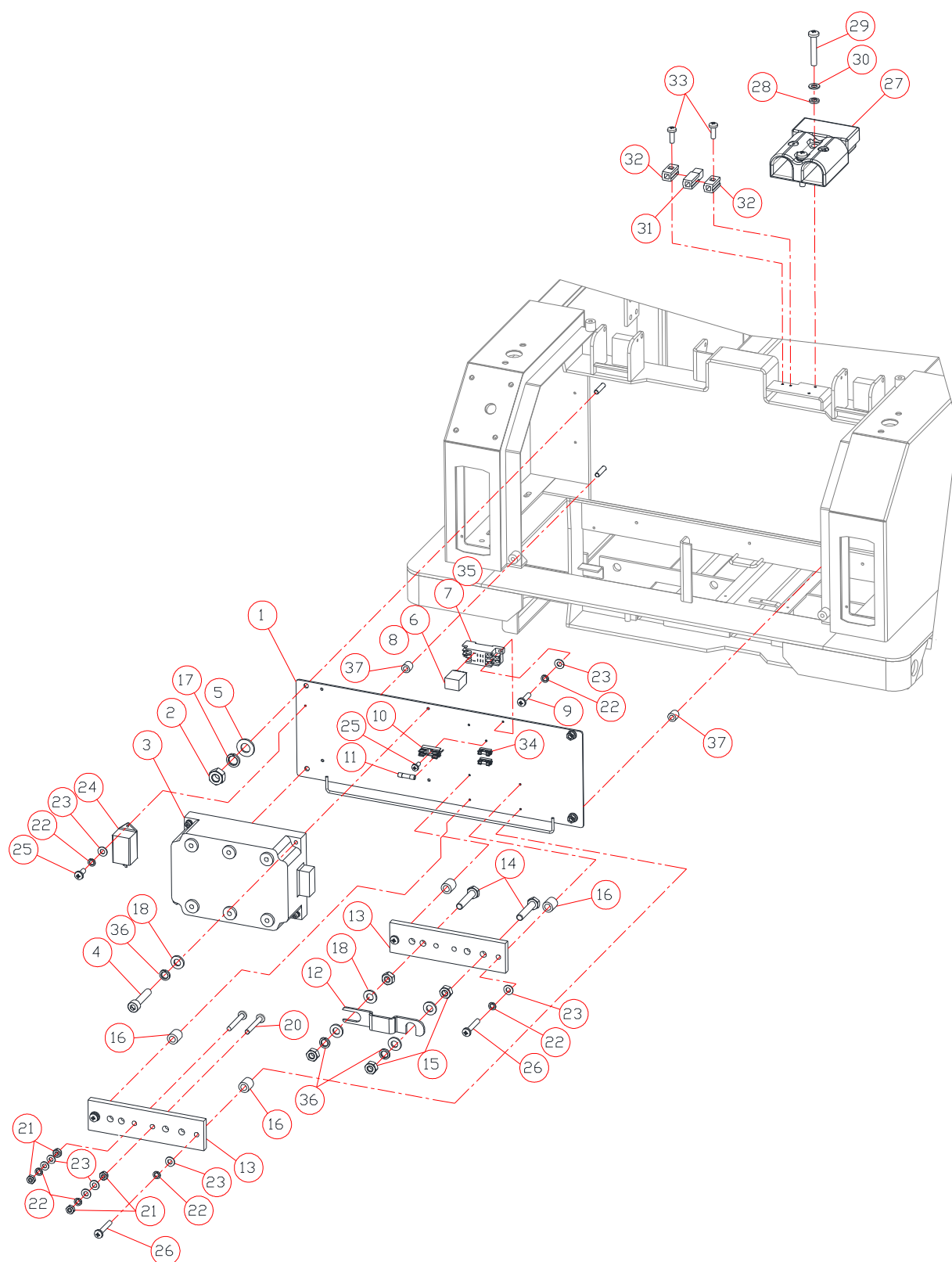
DRIVE ASSEMBLY



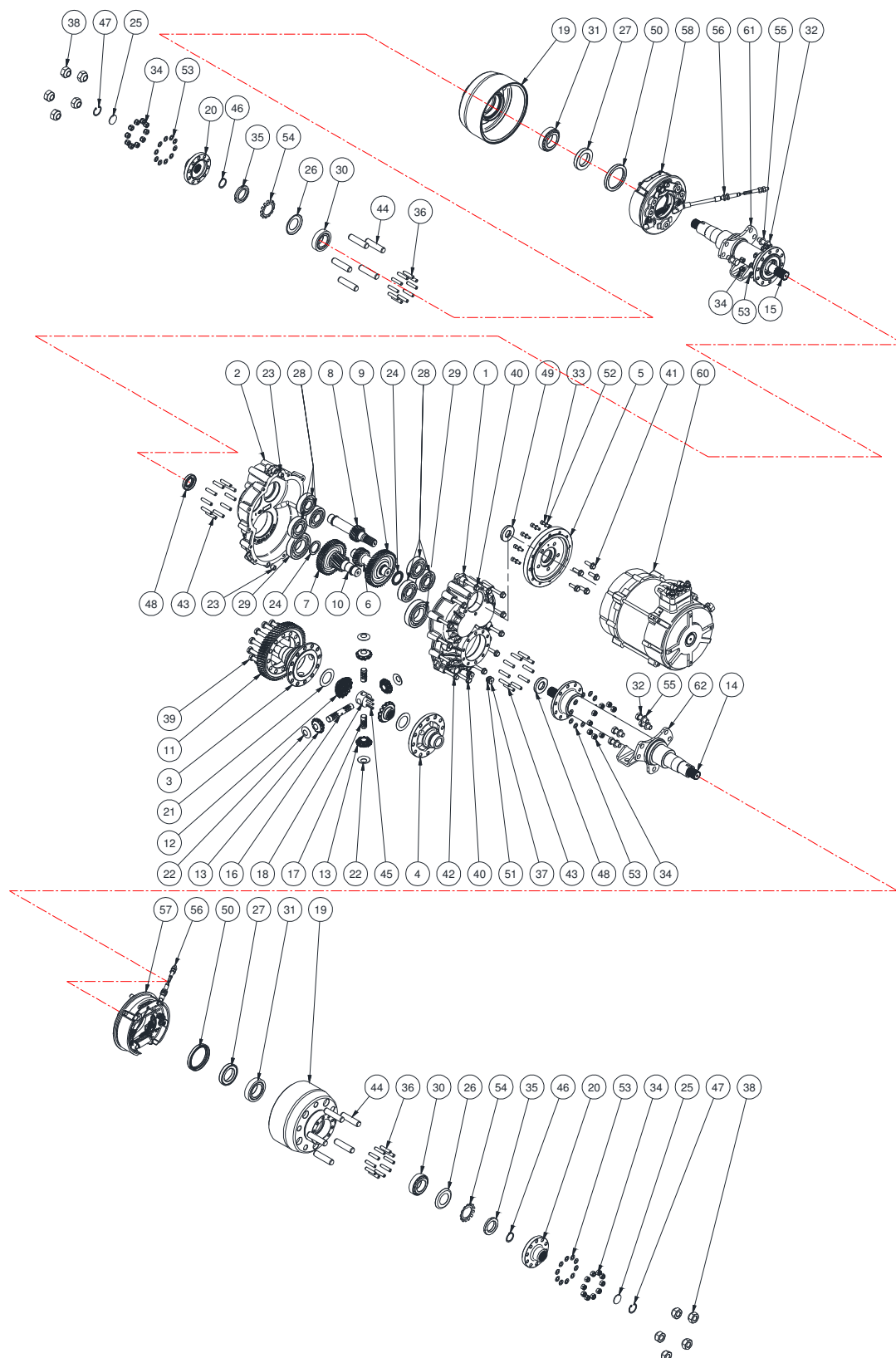
Item No.	Drawing no.	Parts Name	Q'TY	Remarks
1	BOEDT0066	DRIVE ASSY	1	TX2
2	HRWTT0139	FLANGE SOCKET	4	M12×30L (STRENGTH 12.9)
3	BOMDT0051	NORD-LOCK WASHER	4	NL-12
4	ASYDT0041	DRIVE BKT. COMPONENT	1	
5	MCHDT0079	DRIVE BKT PIN	4	
6	HRWTT0140	NYLOCK NUT	4	M16
7	HRWTT0141	SPRING LOCK WASHER	4	SW-16
8	BOMDT0013	SOLID RESILIENT TYRE	2	4.00-8
9	BOMDT0114	WHEEL RIM	4	
10	HRWTT0142	HX-NUT METRIC FINE PITCH	10	M16x1.5
11	LSRDT0234	COVER	1	
12	HRWTT0023	COUNTERSUNK SCREW	6	M4x10L
13	BOMDT0115	NORD-LOCK WASHER	10	NL16
14	BOMDT0101	SILENT BLOCK BUSH	4	
15	HRWTT0143	HX BOLT	10	M10×20L (STRENGTH 12.9)
16	HRWTT0003	HX-NUT	10	M10
17	HRWTT0087	SPRING LOCK WASHER	10	SW-10
18	ASYDT0042	JOINT ROD	1	
19	MCHDT0005	BRAKE WIRE PIN	1	
20	HRWTT0001	SPLIT PIN	1	2.5x20
21	ASYDT0043	PARKING BRAKE COMP	1	
22	HRWTT0058	HX-BOLT	3	M6×16L
23	HRWTT0093	SPRING LOCK WASHER	3	SW-6
24	BOEDT0065	MICROSWITCH	1	
25	HRWTT0144	STAR HEAD SCREW	2	M4x30L
26	HRWTT0091	SPRING LOCK WASHER	2	SW-4
27	HRWTT0083	PLAIN WASHER	4	PW-4
28	HRWTT0017	HX NUT	2	M4
29	HRWTT0048	HX-NUT	2	M6
30	MCHDT0056	PIPE	2	
31	MCHDT0080	TENSIONER	1	
32	HRWTT0065	HX-NUT	4	M8

BRAKE ASSEMBLY

Item No.	Drawing No.	Parts Name	Q'TY	Remarks
1	ASYDT0044	CYLINDER FRAME COMPONENT	1	
2	HRWTT0004	HX-BOLT	6	M10×20L (STRENGTH 8.8)
3	HRWTT0087	SPRING LOCK WASHER	6	SW-10
4	ASYDT0045	BRAKE LINK COMP	1	
5	BOMDT0054	BUSHING	2	
6	MCHDT0042	LINK PIN	1	
7	HRWTT0066	HX-BOLT	2	M8×12L
8	HRWTT0094	SPRING LOCK WASHER	6	SW-8
9	BOMDT0007	3/4 MC ASS'Y	1	
10	BOEDT0071	MICROSWITCH	1	
11	BOMDT0010	HOSE CLIP	2	3/4 inch G
12	HRWTT0092	SPRING LOCK WASHER	11	SW-5
13	HRWTT0084	PLAIN WASHER	11	PW-5
14	HRWTT0080	PLAIN WASHER	4	PW-10
15	BOMDT0116	PRESSING-SCREW	1	
16	BOMDT0003	RETURN SPRING	1	
17	ASYDT0003	BRAKE PEDAL	1	
18	BOMDT0117	RUBBER PEDAL	1	
19	HRWTT0072	HX-BOLT	2	M8×25L (STRENGTH 8.8)
20	MCHDT0041	CYLINDER ROD PIN	1	
21	HRWTT0086	PLAIN WASHER	1	PW-8
22	HRWTT0001	SPLIT PIN	1	2.5x20
23	LSRDS0064	TANK COVER	1	
24	HRWTT0145	STAR HEADSCREW	4	
25	BOMDT0012	RESERVOIR TANK	1	
26	BOMDT0020	RESERVOIR HOSE	1	
27	HRWTT0052	HX-BOLT	2	M6x10
28	HRWTT0093	SPRING LOCK WASHER	2	SW-6
29	HRWTT0085	PLAIN WASHER	2	PW-6
30	BOMDT0105	BRAKE TUBE 1	1	
31	BOMDT0011	UNION	1	
32	BOMDT0106	BRAKE TUBE 2	1	
33	CONGN0059	BRAKE OIL	1	0.5 Ltr.
34	LSRDT0235	COVER	1	
35	HRWTT0146	BUTTON HEAD SCREW	6	M5x12L
36	MCHDT0081	STRIKER	1	
37	HRWTT0069	HX BOLT	6	M8×25L (STRENGTH 8.8)
38	BOMDT0118	CABLE CLIP		
39	HRWTT0034	ALLEN HEAD BOLT	3	M5x10L
40	BOMDT0119	CABLE CLIP	2	
41	BOMDT0120	BRAKE HOSE	1	
42	BOMDT0121	LOCK NUT	1	
43	BOMDT0107	BRAKE TUBE 3	1	

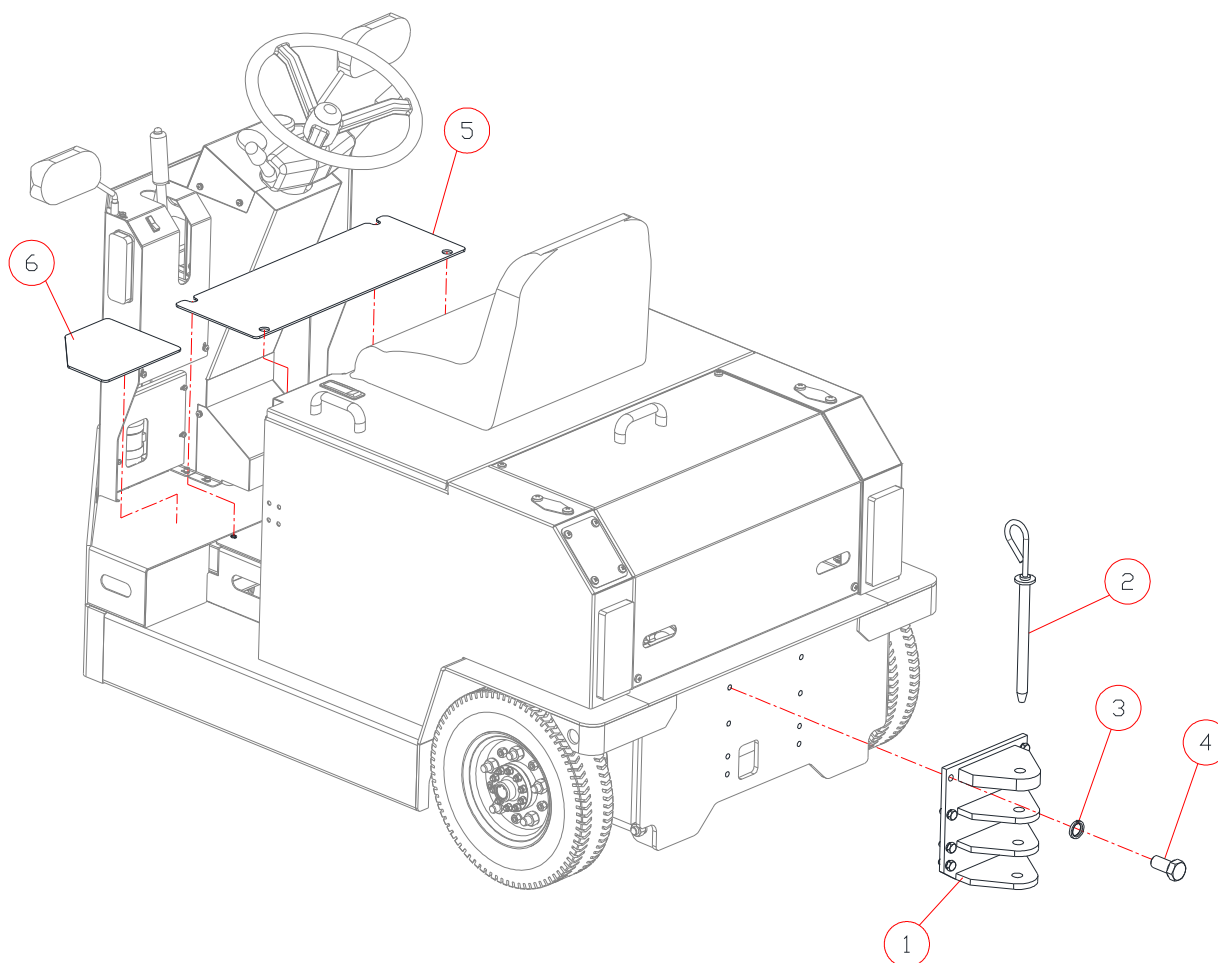
AC CONTROL PANEL ASSEMBLY

Item No.	Drawing No.	Parts Name	Q'TY	Remarks
1	ASYDT0046	CONTROL PANEL COMP	1	
2	HRWTT0065	HX-NUT	4	M8
3	BOEDT0002	SPEED CONTROLLER	1	
4	HRWTT0147	ALLEN HEAD BOLT	4	M6x30L
5	HRWTT0086	PLAIN WASHER	4	PW-8
6	BOEDT0016	HIGH POWER RELAY	1	
7	BOEDT0021	SOCKET	1	
8	BOEDT0022	MAINTENANCE METAL FITTING	2	
9	HRWTT0101	STAR HEAD SCREW	2	M4x16L
10	BOEDT0014	FUSE HOLDER	3	
11	BOEDT0006	GLASS PIPE / TUBE FUSE	3	5A
12	BOEDT0003	Craw Fuse	1	160A
13	BOEDT0024	FUSE BASE	2	
14	HRWTT0062	HX BOLT	2	M6x30L
15	HRWTT0048	HX-NUT	4	M6
16	MCHDT0056	SPACER	4	
17	HRWTT0094	SPRING LOCK WASHER	4	SW-8
18	HRWTT0085	PLAIN WASHER	4	PW-6
20	HRWTT0144	STAR HEAD SCREW	2	M4x30L
21	HRWTT0017	HX NUT	4	M4
22	HRWTT0091	SPRING WASHER	9	SW-4
23	HRWTT0083	PLAIN WASHER	11	PW-4
24	BOEDT0001	TURN SIGNAL RELAY	1	
25	HRWTT0116	STAR HEAD SCREW	4	M4x10L
26	HRWTT0148	STAR HEAD SCREW	4	M4x25L
27	BOEDT0070	CONNECTOR	1	
28	HRWTT0092	SPRING LOCK WASHER	2	SW-5
29	HRWTT0149	STAR HEAD SCREW	2	M5x30L
30	HRWTT0084	PLAIN WASHER	2	PW-5
31	BOEDT0070	CONNECTOR	1	
32	BOEDT0072	MOUNTING WING	2	
33	HRWTT0150	STAR HEAD SCREW	2	M4x12L
34	BOEDT0073	DIODE	1	
35	BOEDT0074	DIODE	1	
36	HRWTT0093	SPRING WASHER	6	SW-6
37	MCHDT0082	SPACER	2	

TRANS AXLE – TX2

Item No.	Drawing no.	Parts Name	Q'TY	Remarks
1	TX2TN0001	GEARBOX	1	
2	TX2TN0002	GEARBOX COVER	1	
3	TX2TN0003	DIFFERENTIAL CASE	1	
4	TX2TN0004	DIFFERENTIAL CASE COVER	1	
5	TX2TN0005	BELL HOUSING 1	1	
6	TX2TN0006	II REDUCTION DRIVING GEAR	1	
7	TX2TN0007	II REDUCTION DRIVEN GEAR	1	
8	TX2TN0008	INPUT GEAR	1	
9	TX2TN0009	I REDUCTION DRIVEN GEAR	1	
10	TX2TN0010	II REDUCTION DRIVING GEAR	1	
11	TX2TN0011	DIFFERENTIAL GEAR	1	
12	TX2TN0012	PLANET GEAR	2	
13	TX2TN0013	SUN GEAR	4	
14	TX2TN0014	AXLE SHAFT	1	
15	TX2TN0015	AXLE SHAFT	1	
16	TX2TN0016	DIFFERENTIAL PIN	1	
17	TX2TN0017	DIFFERENTIAL PIN	2	
18	TX2TN0018	THRUST BLOCK	1	
19	TX2TN0019	DRUM BRAKE 170	2	
20	TX2TN0020	HUB	2	
21	TX2TN0021	PLANET GEAR WASHER	2	
22	TX2TN0022	SUN GEAR WASHER	4	
23	TX2TN0023	PIN	2	
24	TX2TN0024	WASHER	2	
25	TX2TN0025	PROTECTION	2	
26	TX2TN0026	RING	2	
27	TX2TN0027	RING	2	
28	TX2TN0028	BALL BEARING	6	
29	TX2TN0029	BALL BEARING	2	
30	TX2TN0030	TAPERED ROLLER BEARING	2	
31	TX2TN0031	TAPERED ROLLER BEARING	2	
32	TX2TN0032	SCREW	10	
33	TX2TN0033	SOCKET HEAD BOLT	7	
34	TX2TN0034	LOCKNUT	40	
35	TX2TN0035	RING NUT	2	
36	TX2TN0036	STUD BOLT	20	

37	TX2TN0037	OIL PLUG	2	
38	TX2TN0038	WHEEL NUT	10	
39	TX2TN0039	BOLT	12	
40	TX2TN0040	FLANGED BOLT	2	
41	TX2TN0041	FLANGED BOLT	5	
42	TX2TN0042	FLANGED BOLT	11	
43	TX2TN0043	STUD BOLT	20	
44	TX2TN0044	STUD BOLT	10	
45	TX2TN0045	ELASTIC PIN	3	
46	TX2TN0046	EXTERNAL CIRCLIP	2	
47	TX2TN0047	INTERNAL CIRCLIP	2	
48	TX2TN0048	OIL SEAL	2	
49	TX2TN0049	OIL SEAL	1	
50	TX2TN0050	OIL SEAL	2	
51	TX2TN0051	WASHER	2	
52	TX2TN0052	WASHER	7	
53	TX2TN0053	WASHER	40	
54	TX2TN0054	TAB WASHER	2	
55	TX2TN0055	WASHER	10	
56	TX2TN0056	PARK BRAKE CABLE	2	
57	TX2TN0057	HYDRAULIC DRUM BRAKE ASSEMBLY	1	
58	TX2TN0058	HYDRAULIC DRUM BRAKE ASSEMBLY	1	
59	TX2TN0059	OIL	500	CC
60	TX2TN0060	AC MOTOR 48V 5000W 4500RPM	1	
61	TX2TN0061	LEFT TUBE	1	
62	TX2TN0062	RIGHT TUBE	1	

TOW COUPLING AND RUBBER MAT

Item No.	Drawing No.	Parts Name	Q'TY	Remarks
1	ASYDT0047	TOW COUPLING COMPONENT	1	
2	ASYDT0048	CONNECTING PIN COMP	1	
3	HRWTT0088	SPRING LOCK WASHER	8	
4	HRWTT0008	HX BOLT	8	M12x25L
5	BOMDT0122	RUBBER MAT 1	1	
6	BOMDT0123	RUBBER MAT 2	1	

