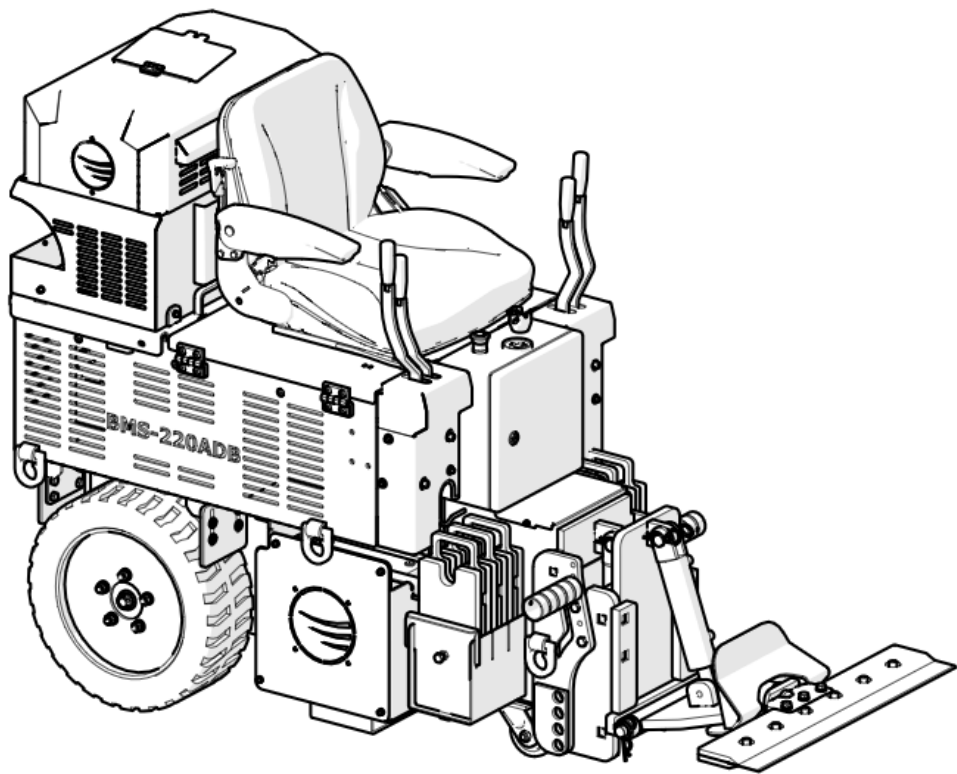




SERVICE MANUAL BMS-220ADB

VERSION 2.12

From serial number 30340B and up.

Inspection before initial operation on:

By:

Date of initial operation:

Serial number & Year of manufacture:

Date / Hour counter	Findings	Repairs / Cleaning	Test on	By*

2



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1. Spare parts

Fig. 01 Overview

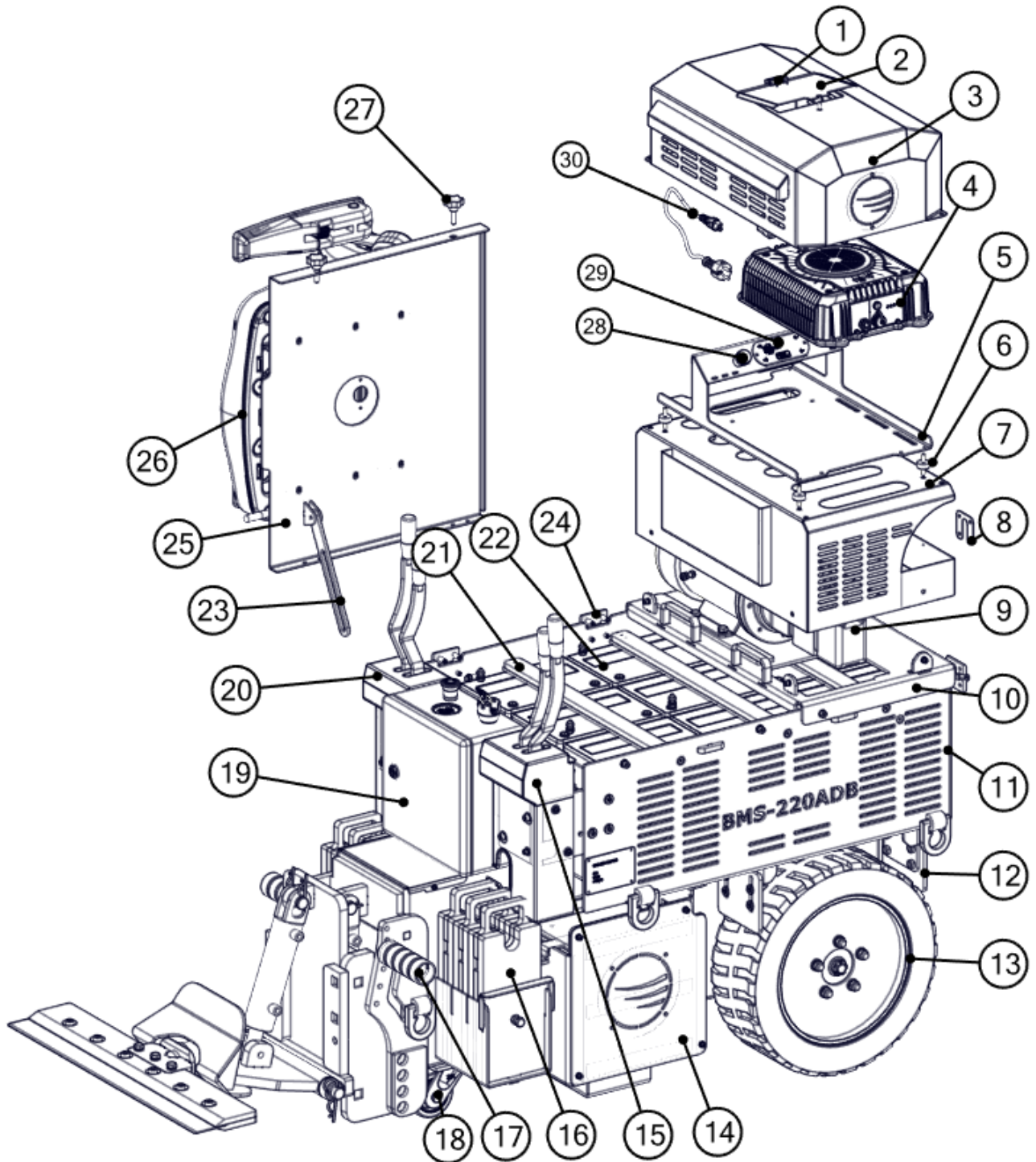




Fig. 01 Overview

Item	Part number	Description	Qty.
1	E11124	Hinge 40x40	1
2	E11123	Charger panel cover	1
3	E11122	Charger cover	1
4	E14536	Charger 60A	1
5	E14865	Charger mounting plate	1
6	E09941	Vibro isolator M6	4
7	E11168	Upper battery cover	1
8	E09940	Plug plate	1
9	E09720	Motor with flange, pumps & connections	1
	E10738	2x hydraulic pump only	1
	E08378	Electro motor only	1
10	E11261	Tube cover back	1
11	E11260	Tube weldmet	1
12	E09716	Scraper	4
13	E09169	Wheel, including Rim for BMS-220ADB	2
14	E09942	Side cover LH	1
15	E09702	Spool cover LH	1
16	E03185-1	Weight welded version of E03185	6
17	E08622	Foot support	2
18	E09277	Front wheel	1
19	E09376	Electrobox	1
20	E15284	Spool cover RH	1
21	E08632	Battery hold down strip	3
22	E09174	BMS-220 battery	12
23	E09838	Protection plate	1
24	E11255	Hinge 60x60	4
25	E11262	Tube cover front	1
26	E13871	Seat incl. switch for BMS-220ADB	1
	E13871/1	Seat only	1
	E13871/2	Arm rests (set) for E13871	1
	E13871/3	Seat belt set	1
27	BE0577	M8x30 Therm Disc Knob threaded pin	2
28	E14536_2	Charge indicator	1
29	E14535	Y-hub	1
30	E14536_230V_EU	230V powercable with plug	1

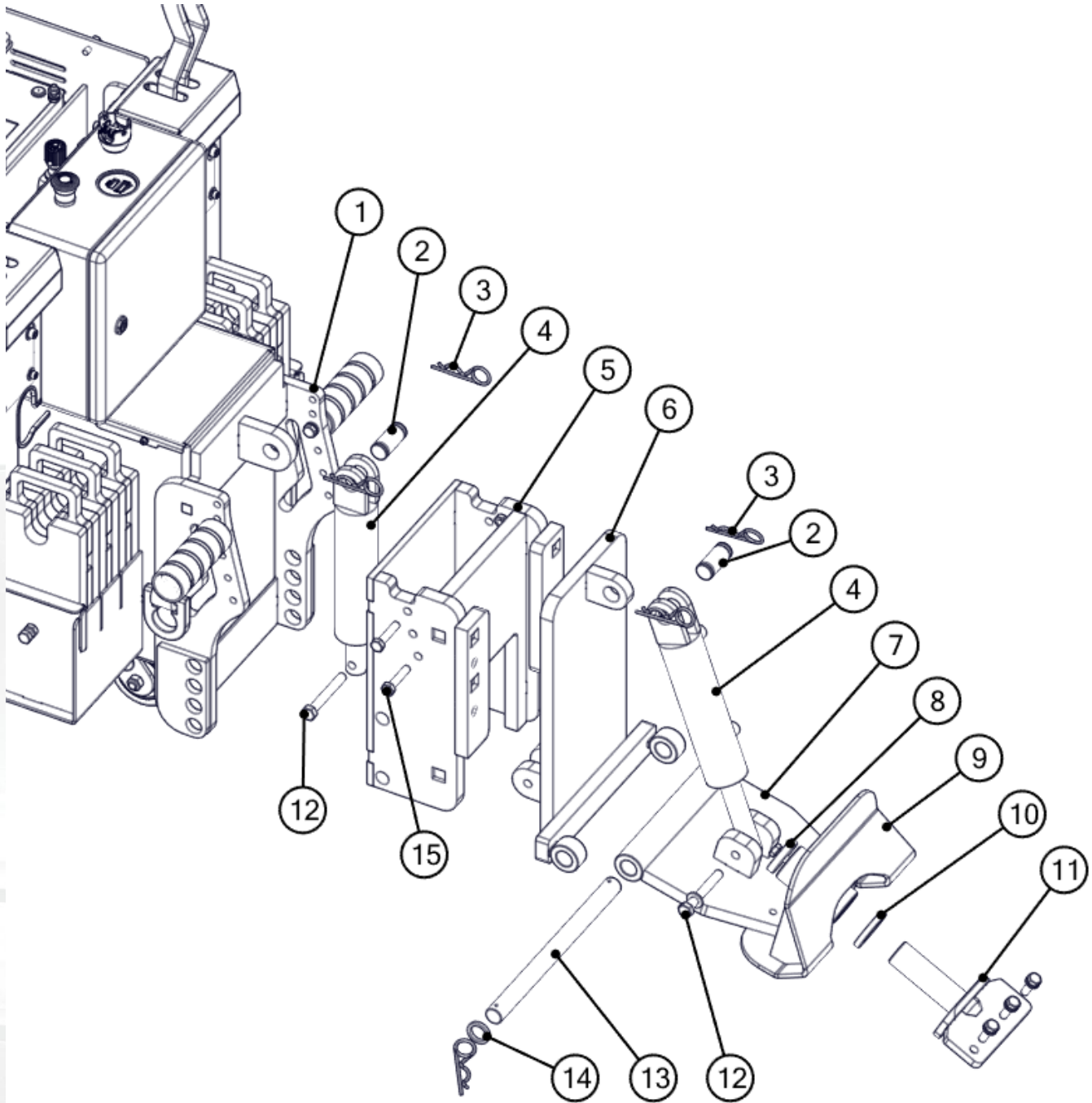
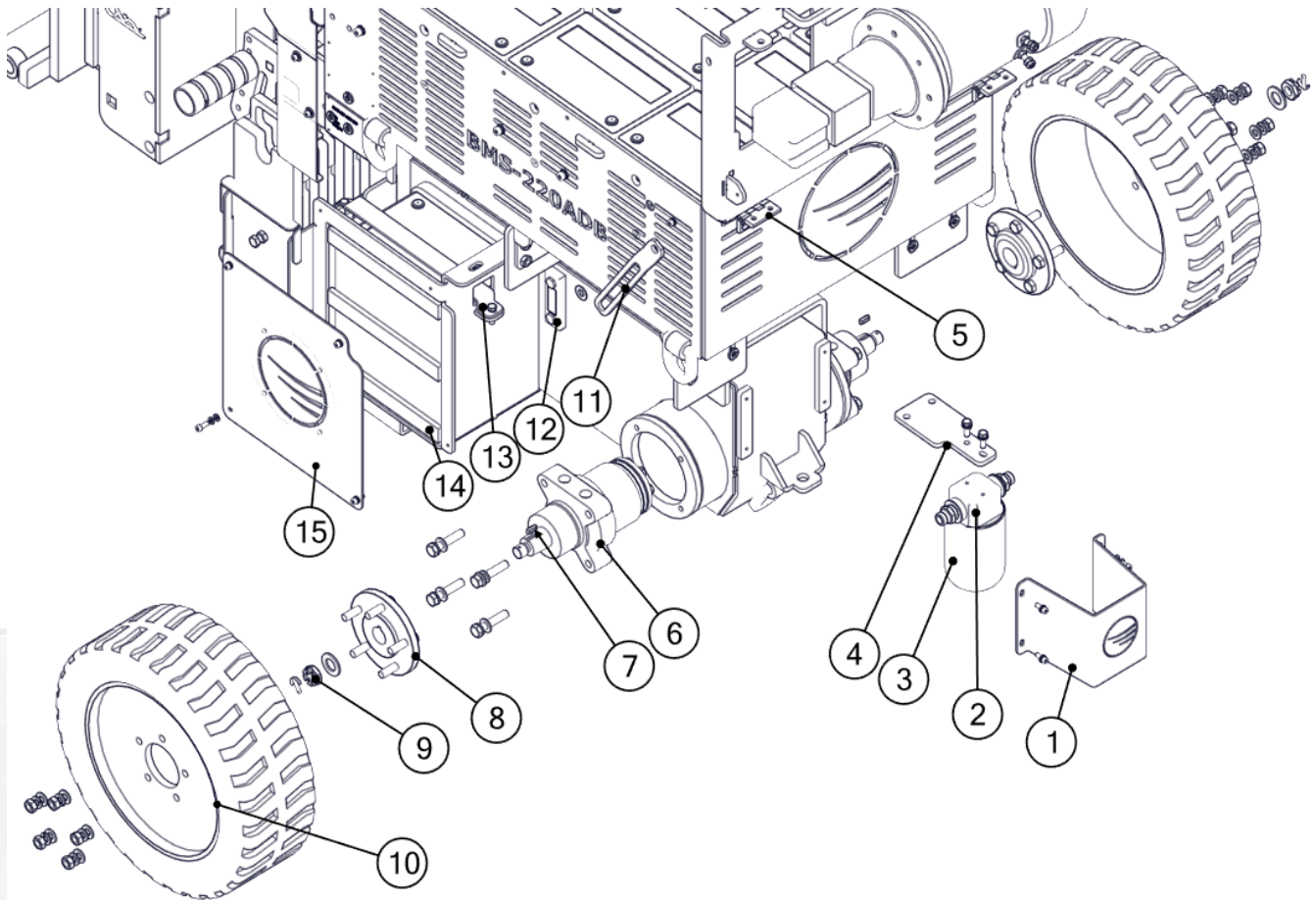
Fig. 02 Cutting head

Fig. 02 Cutting head

[illegible]

Fig. 03 Rear wheel & Oil filter

**Fig. 03 Rear wheel & Oil filter**

Item	Part number	Description	Remarks	Qty.
1	E09709	Filter cover		1
2	E10772	Filter head		1
3	E10773	Filter element		1
4	E09708	Filter bracket		1
5	E11255	Hinge 60x60		2
6	E07732	Hydraulic motor		2
7	E07732/1	Parallel key for hydro motor		2
8	E09170	Wheel hub		2
9	E07732/3	Nut M20x1,5		2
10	E09169	Wheel, including Rim for BMS-220ADB		1
11	E09805	Hinge plate		1
12	350-4172-S	Level gauge with thermo		1
13	E09796	Battery holder plate		2
14	E09715	Adhesive rubber seal 30x20x260mm		6
15	E09942	Side cover LH		1
	E00481	Hydraulic oil HV46		40L



Fig. 04 Steer handle RH

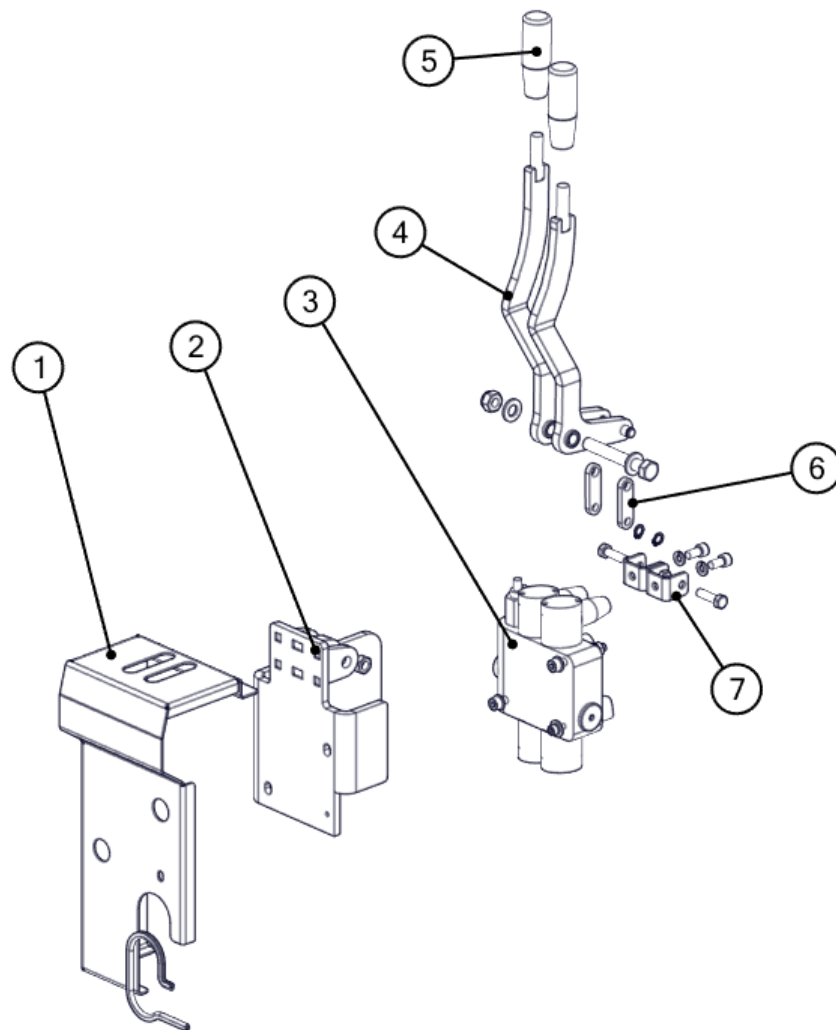


Fig. 04 Steer handle RH

Item	Part number	Description	Qty.
1	E15284	Spool cover RH	1
2	E15285	Spool bracket RH	1
3	E10352	Double spool control	1
4	E09707	Steering handle RH	2
5	E09701	Handle grip	2
6	E09718	Spool tie	2
7	E09717	Spool lever bracket	2



Fig. 05 Steer handle LH

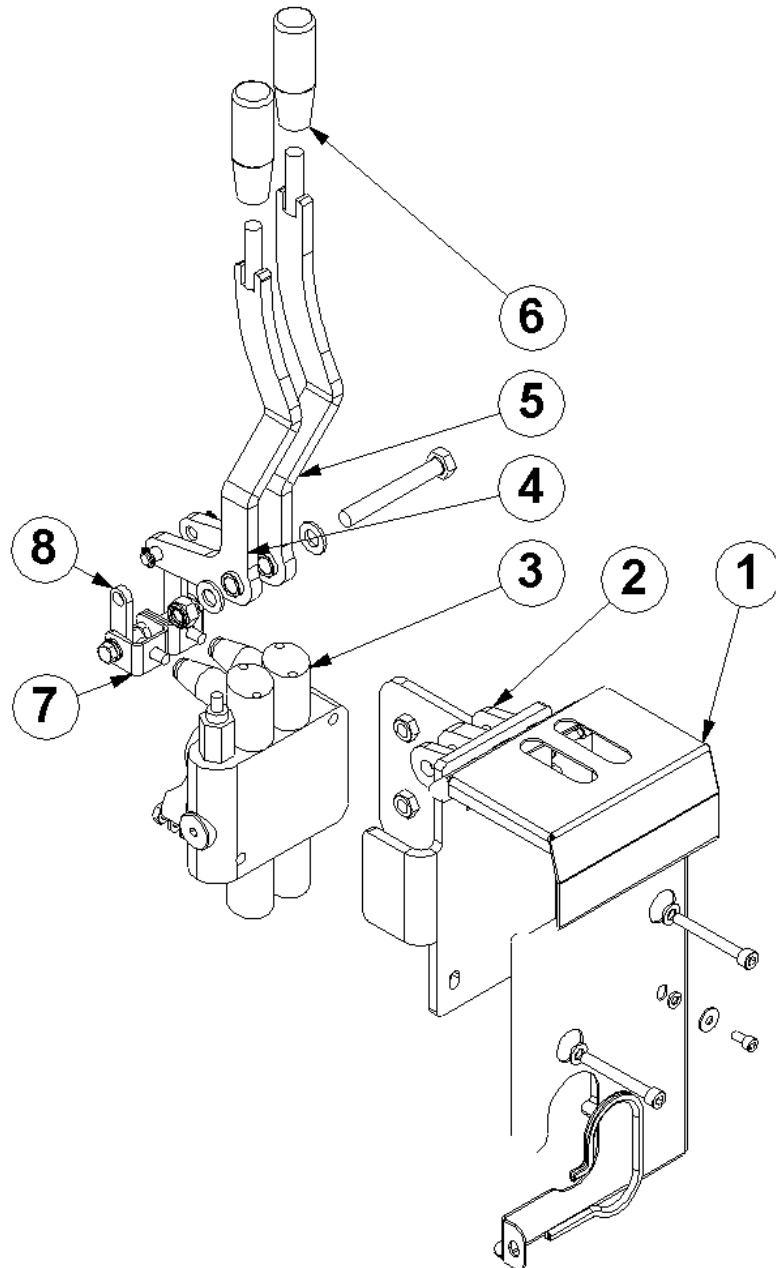
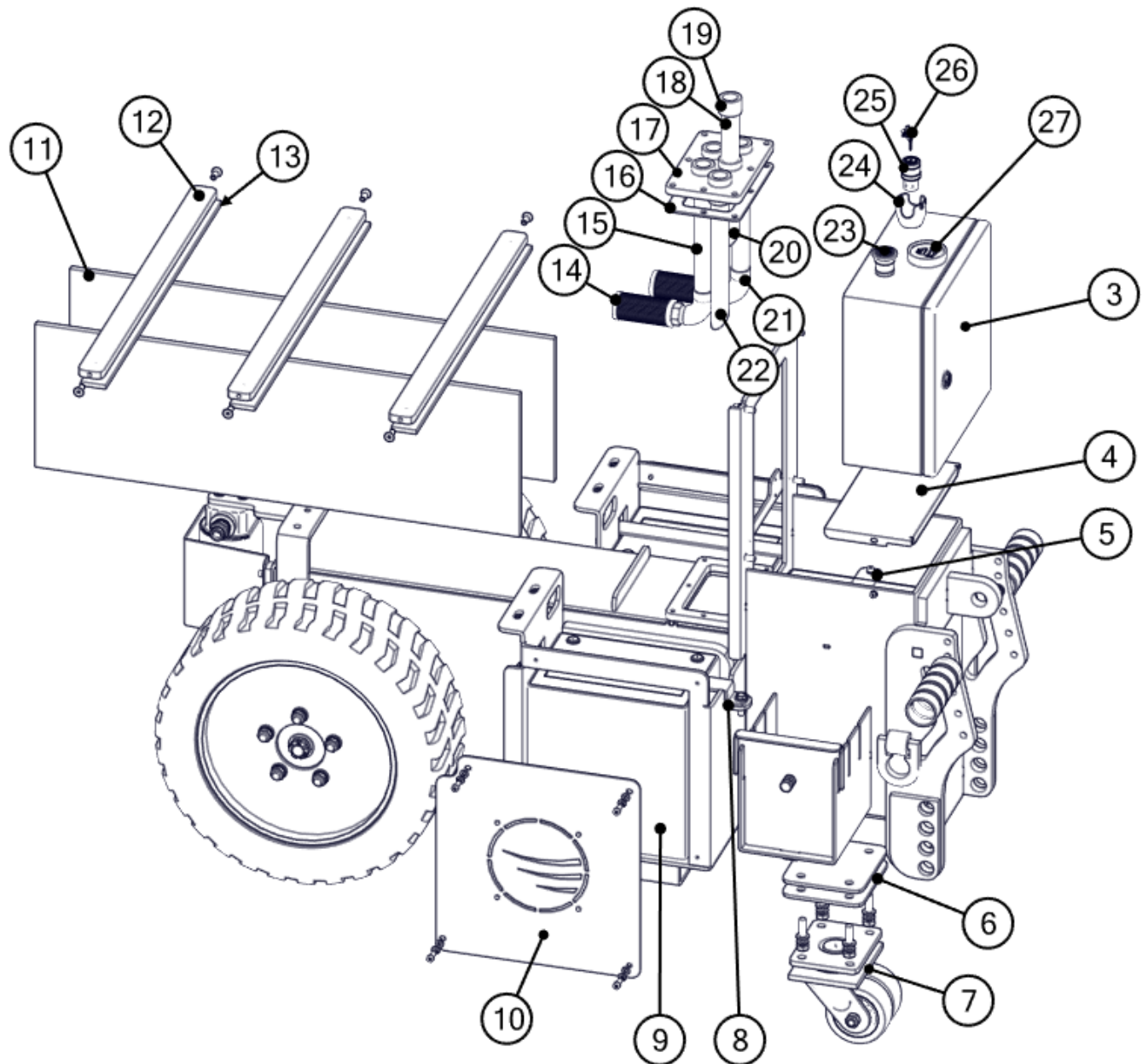


Fig. 05 Steer handle LH

Item	Part number	Description	Qty.
1	E09702	Spool cover	1
2	E08638	Double spool bracket	1
3	E10352	Double spool control	1
4	E09706	Lifting handle	1
5	E09700	Steering handle LH	1
6	E09701	Handle grip	2
7	E09717	Spool lever bracket	2
8	E09718	Spool tie	2

Fig. 06 Frame & Electrobox

**Fig. 06 Frame & Electrobox**

Item	Part number	Description	Qty.
3	E09376/GLOBAL	Electro box	1
4	E08628	Front cover	1
5	E08629	Front battery tight plate	1
6	E09712	Wheel spacer	2
7	E09277	Front wheel	1
8	E09796	Battery holder plate	1
9	E09174	Battery – BMS-220	12
10	E09710	Side cover - RH	1
11	E09175	Battery spacer	2
12	E08632	Battery hold down strip	3
13	E08633	Battery seal holder	3
14	E13161	Oil suction filter	2
15	E13163	Oil suction pipe 3/4"	2
16	E09172	Oil tank seal	1
17	E09705	Hose connection plate	1
18	E09837	Breather pipe	1
19	E09939	Breather mounting bush	1
20	E11017	Second line pipe	1
21	E13162	Knee 90°	2
22	E09723	Oil return pipe	2
23	E07396_5	Emergency stop	1
24	E10708	Ignition switch protection	1
25	E08483	Ignition switch + keys for BMS-220	1
26	E13353	Keys (two pieces) for BMS-220	1
27	E17217	Battery indicator	1

Fig. 07 Chisels, Blades & Bladeholders

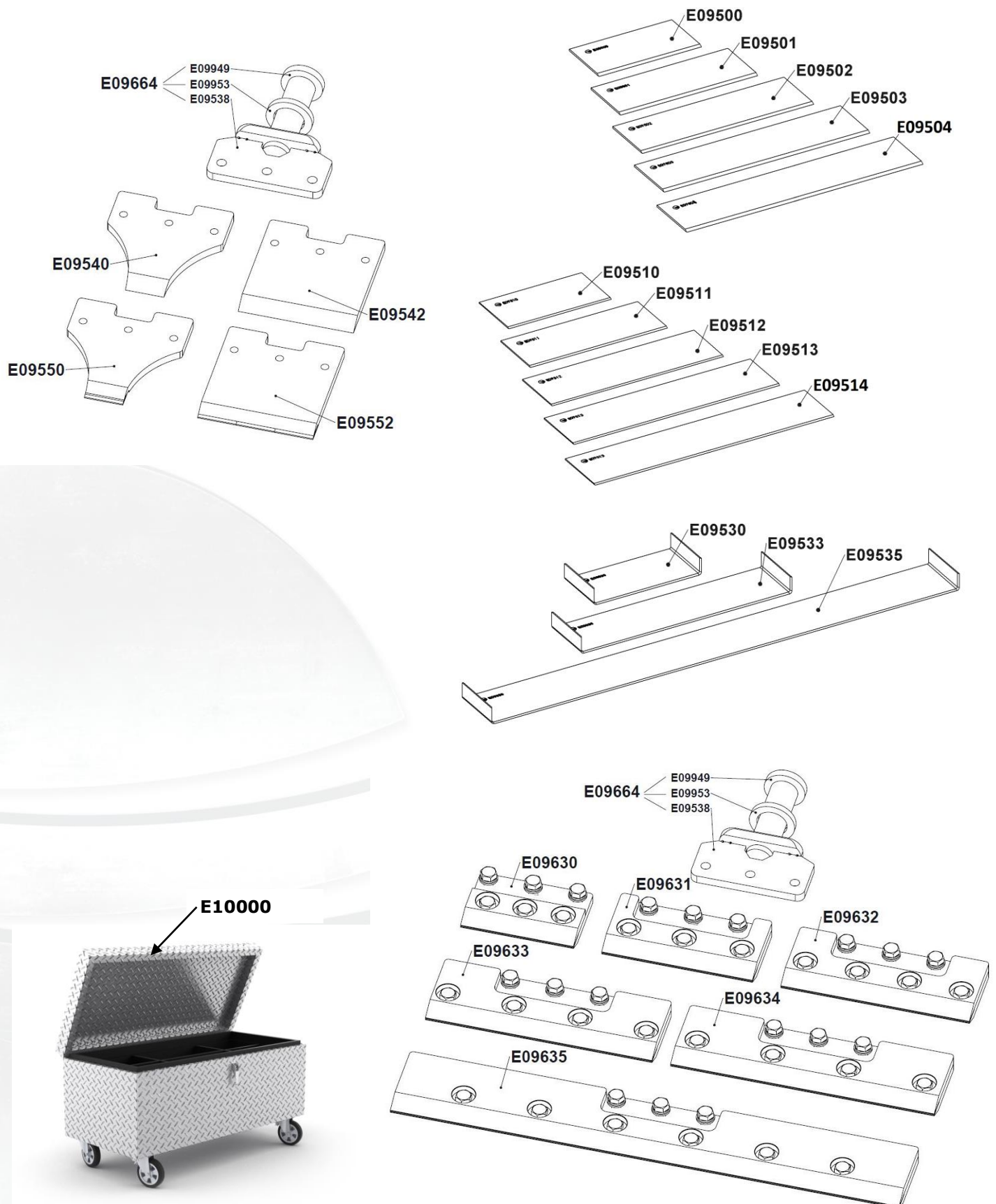
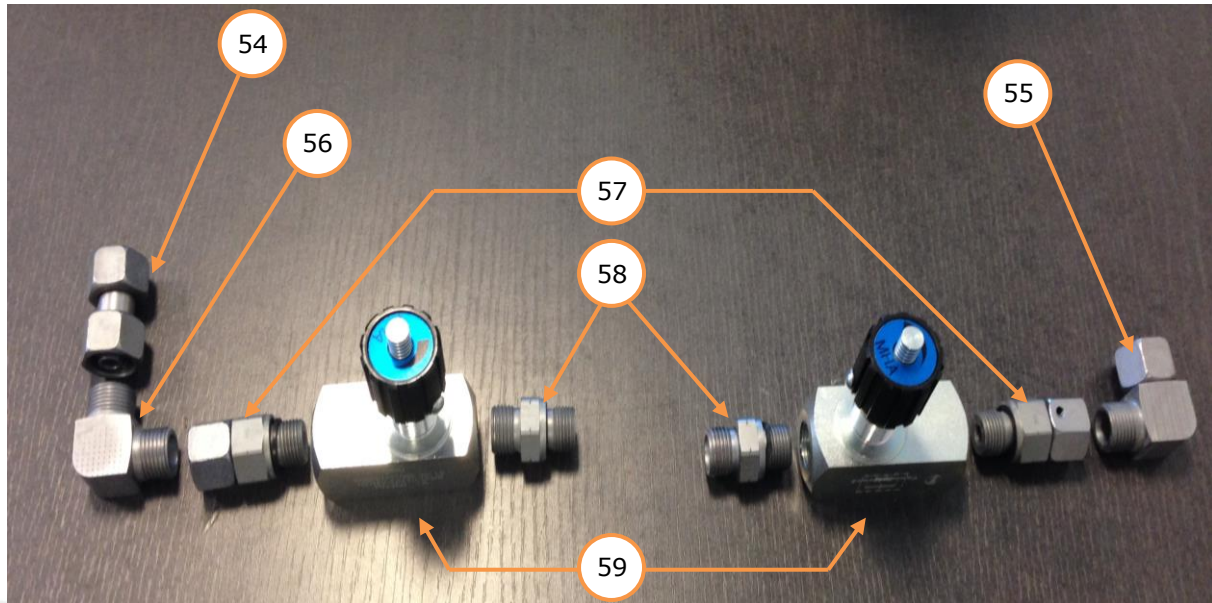




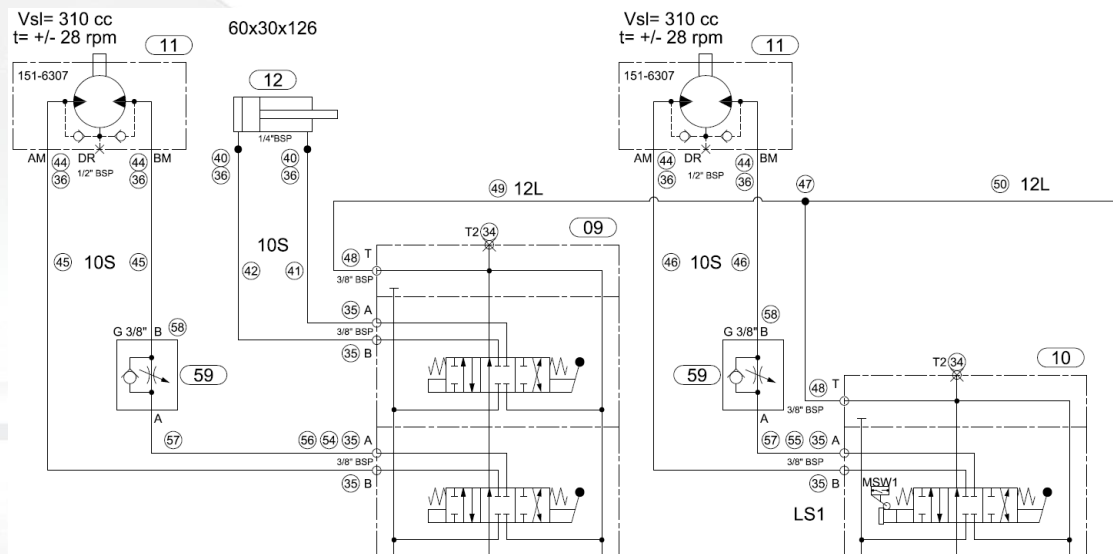
Fig. 07 Chisels, Blades & Blade-holders

Item in toolbox E10000	Part number	Description	Qty.
•	E09664	Support for chisel or blade holder	1
•	E09540	Premium chisel 51x12 (2")	1
•	E09542	Premium chisel 152x12 (6")	1
•	E09550	Heavy duty chisel 51x12 (2") With tungsten carbide tips	1
•	E09552	Heavy duty chisel 152x12 (6") With tungsten carbide tips	1
•	E09500	Heavy duty blade 152x76x2.5 (6")	1
•	E09501	Heavy duty blade 203x76x2.5 (8")	1
•	E09502	Heavy duty blade 254x76x2.5 (10")	1
•	E09503	Heavy duty blade 305x76x2.5 (12")	1
	E09504	Heavy duty blade 355x76x2.5 (14")	1
•	E09510	Premium blade 152x76x1.6 (6")	1
•	E09511	Premium blade 203x76x1.6 (8")	1
•	E09512	Premium blade 254x76x1.6 (10")	1
•	E09513	Premium blade 305x76x1.6 (12")	1
	E09514	Premium blade 355x76x1.6 (14")	1
•	E09530	Self-Scoring blade 152x76x1.5 (6")	1
•	E09533	Self-Scoring blade 305x76x1.5 (12")	1
•	E09535	Self-Scoring blade 686x76x1.5 (27")	1
•	E09630	Blade holder 152mm (6")	1
•	E09631	Blade holder 203mm (8")	1
•	E09632	Blade holder 254mm (10")	1
•	E09633	Blade holder 305mm (12")	1
•	E09634	Blade holder 355mm (14")	1
•	E09635	Blade holder 686mm (27")	1
	E10000	Toolbox Contains all blades, chisels and holders indicated with a point (•) in the first column + Professional tool set E10108	1
•	E10000/BOX	Toolbox (Empty)	1
•	E10108	Tool set (Contains various tools, nuts, bolts and washers)	1

Fig. 08 Drive wheel adjustment set**Adjustment set for drive wheels BMS-220**

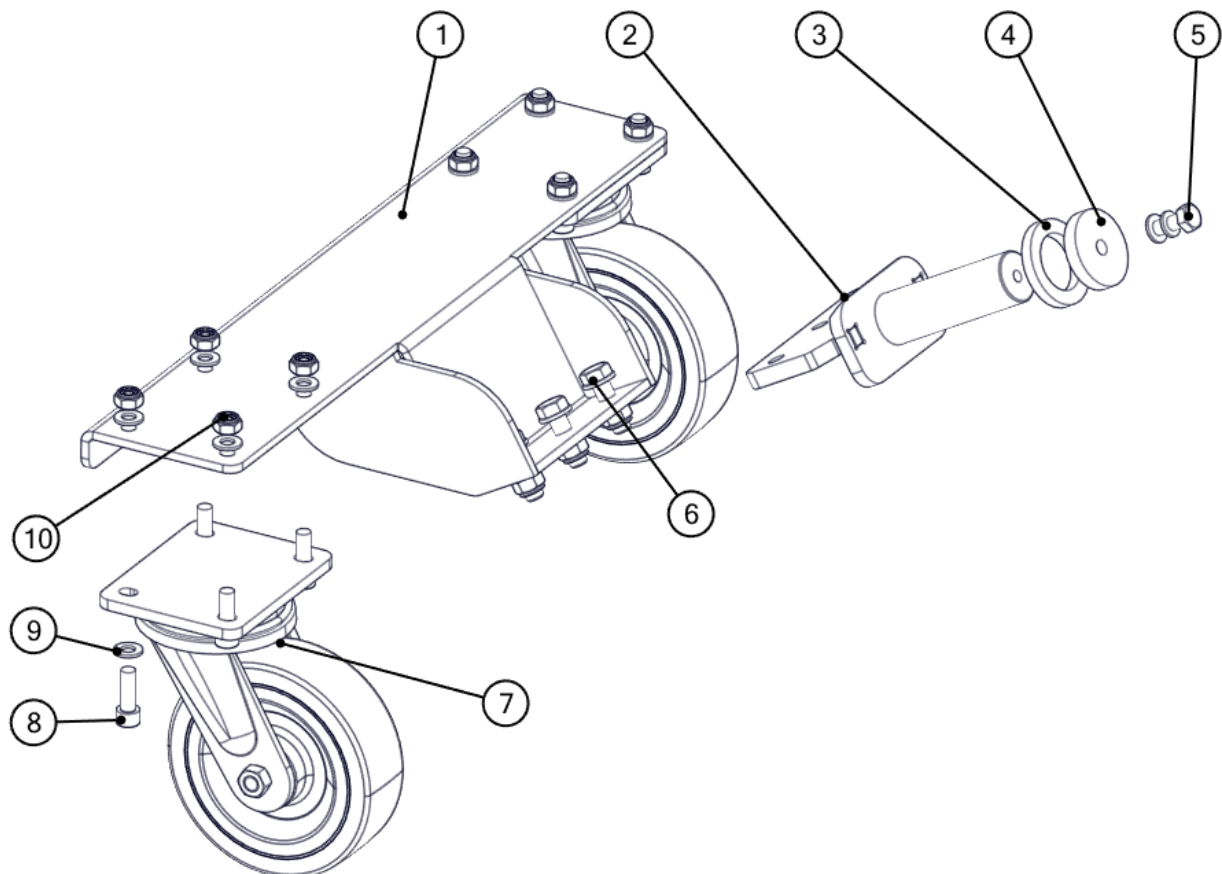
LEFT HAND SIDE

RIGHT HAND SIDE



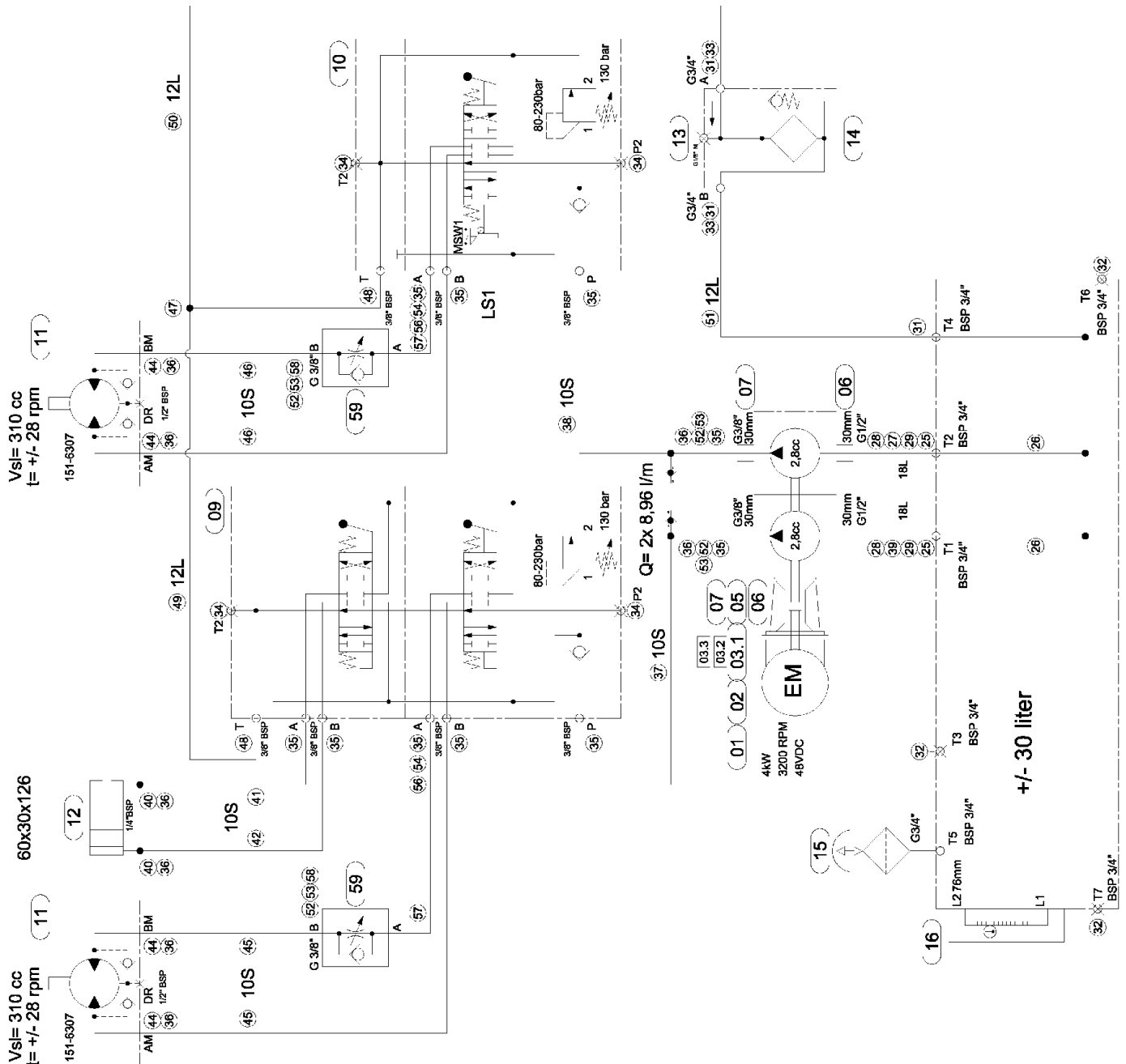
Item	Part number	Description	Qty.
54	E10836	Straight threaded coupling	1
55	E10834	Elbow 90' Swivel coupling	1
56	E10835	Elbow 90' coupling	1
57	E10856	Straight coupling	2
58	E10833	Male stud coupling	2
59	E08031	Throttle- and non return valve	2
54 - 59	E12163	Adjustment set for drive wheels BMS-220 (complete set LH side + RH side)	1 set

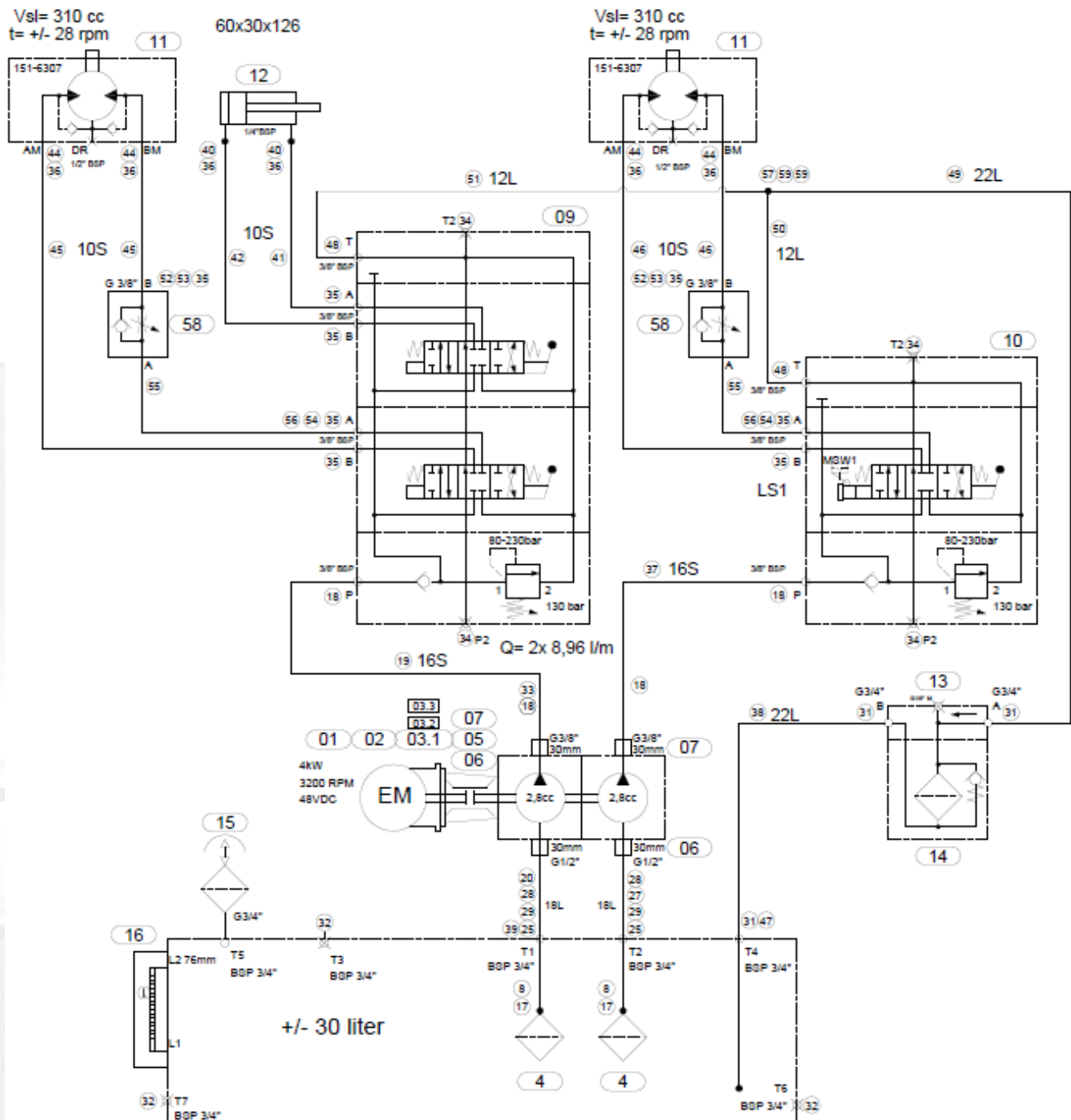
Fig. 09 Frontwheel dolly (E12133)



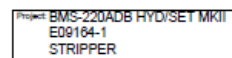
Item	Part number	Description	Qty.
1	E11286	Frame frontwheel dolly	1
2	E09538	Tool holder	1
3	E09953	Tool holder washer	1
4	E09949	Tool holder plate	1
5		M10x30 Bolt	1
6		M12x40 Bolt	3
7	E04440	Wheel + castor	2
8		M10x30 Hex sockethead cap	8
9		M10 washer	17
10		M10 Locking nut	8
1-10	E12133	Frontwheel dolly complete	1

PJ13.1121.10 - (Up to S.nr. 28578B)



PJ13.1121.14 - (From serial number 28579B to 30339B.)


PJ20.1355.03 - (From serial number 30340B & up)





BLASTRAC EUROPE

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BLASTRAC THE NETHERLANDS

EUROPEAN HEAD OFFICE

Utrechthaven 12

NL - 3433 PN Nieuwegein

Tel.: +31 (0)30 601 88 66

Fax: +31 (0)30 601 83 33

Email: info@blastrac.nl

WWW.BLASTRAC.EU

BLASTRAC POLAND

SALES & SERVICE CENTRE

Golina, ul. Dworcowa 47E

63-200 Jarocin

Tel.: +48 (0)62 740-41-50

Fax: +48(0)62 740-41-51

Email: info@blastrac.pl

WWW.BLASTRAC.PL

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SALES & SERVICE CENTRE

ZI - 29, Av. des Temps Modernes

F - 86360 Chasseneuil du Poitou

Tel.: +33 (0)5 49 00 49 20

Fax: +33 (0)5 49 00 49 21

Email: info@blastrac.fr

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BLASTRAC ITALY

SALES & SERVICE CENTRE

S.S. 10 Padana Inferiore, 41

IT - 29012 Caorso (PC)

Tel.: +39 0523 814241

Fax: +39 0523 814245

Email: info@blastrac.it

WWW.BLASTRAC.IT

BLASTRAC GERMANY

SALES & SERVICE CENTRE

Richard-Byrd-Str. 15

50829 Köln

Tel.: +49 (0) 221 709032-0

Fax: +49 (0) 221 709032-22

Email: info@blastrac.de

WWW.BLASTRAC.DE

BLASTRAC UKRAINE

SALES & SERVICE CENTRE

Nezalezhnosti 14, of. 21

07400 Brovary

Tel.: +38 (0)44 222 51 28

Fax: +38 (0)44 277 98 29

Email: info@blastrac.com.ua

WWW.BLASTRAC.COM.UA

BLASTRAC SPAIN

SALES & SERVICE CENTRE

Calle del Estío, 9

E - 28500

Arganda del Rey, Madrid

Tel.: +34 91 660 10 65

Fax: +34 91 672 72 11

Email: info@blastrac.es

WWW.BLASTRAC.ES

BLASTRAC UNITED KINGDOM

SALES & SERVICE CENTRE

Unit 2a, Outgang Lane, Dinnington

Sheffield, South Yorkshire

GB - S25 3QY

Tel.: +44 (0) 1909 / 569 118

Fax: + 44 (0) 1909 / 567 570

Email: info@blastrac.co.uk

WWW.BLASTRAC.CO.UK

BLASTRAC MIDDLE EAST

SALES & SERVICE CENTRE

P.O. box 29424

Dubai / United Arab Emirates

Tel.: +971 4 3245760

Fax: +971 4 3245761

Email: info@blastracdx.ae

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Lekstorps Industriväg 13D,

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Sweden

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