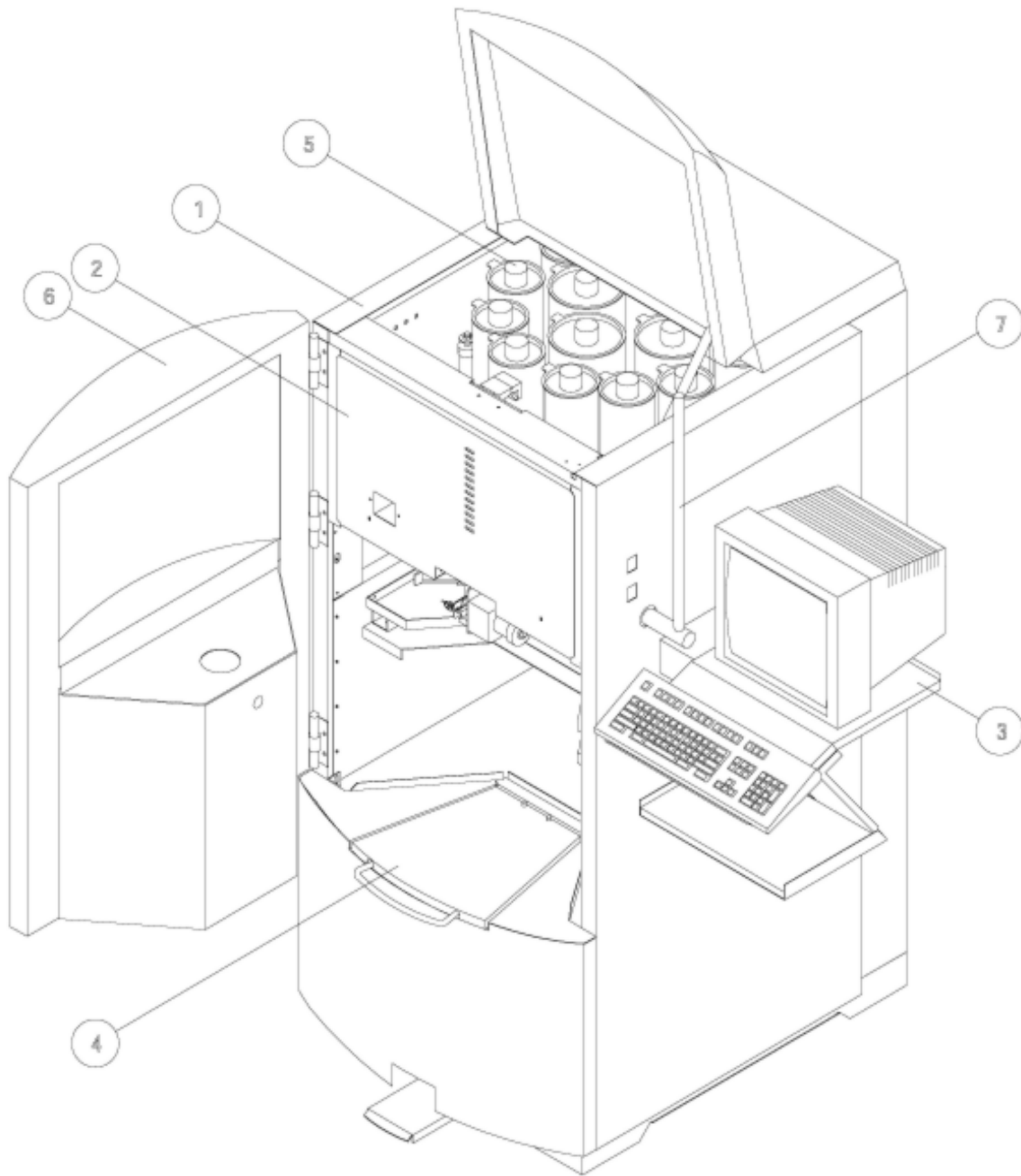




# Harbil small Sparepartsbook

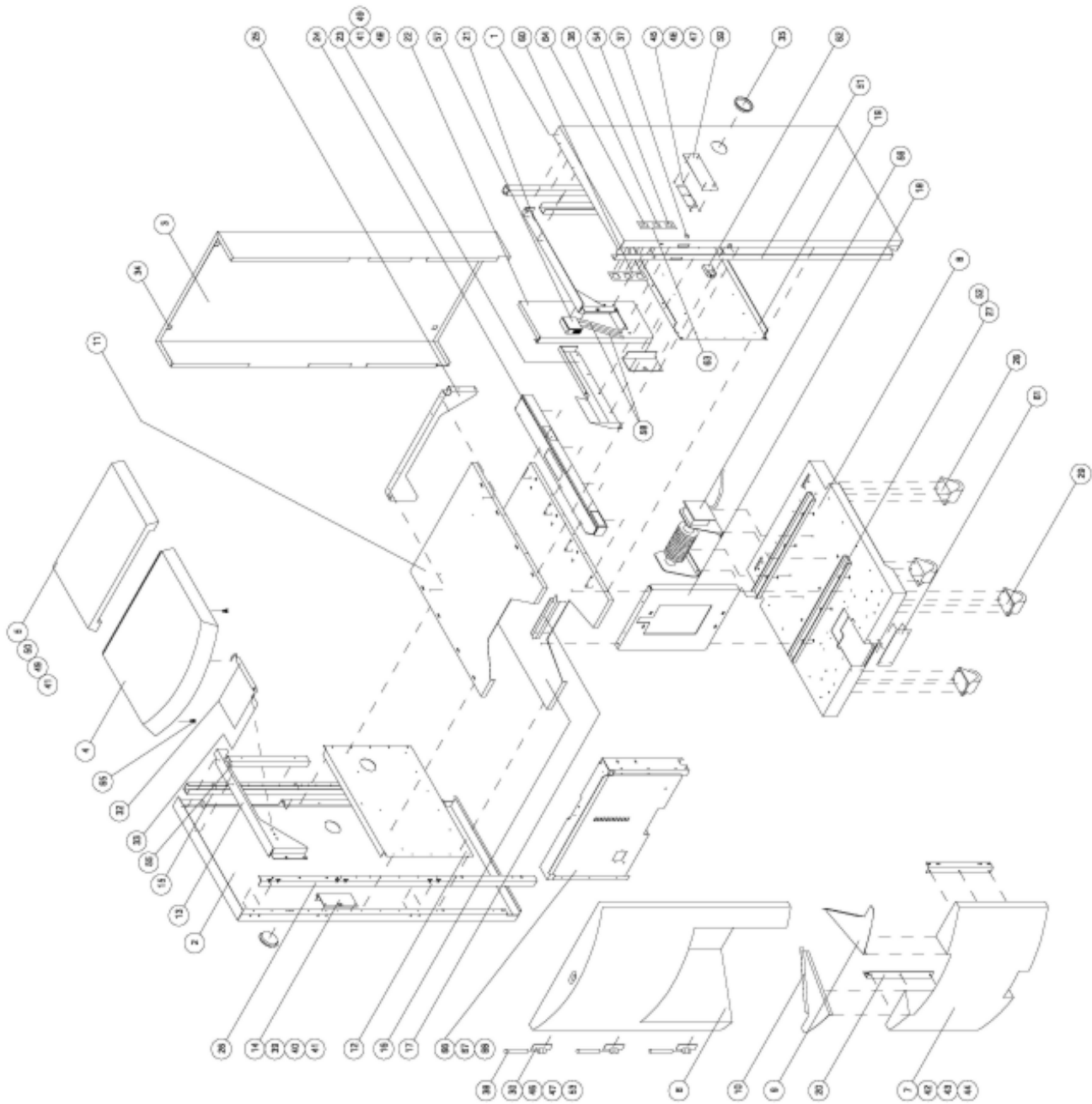
# HA-s Sparepartbook

Page 2600 - Composition



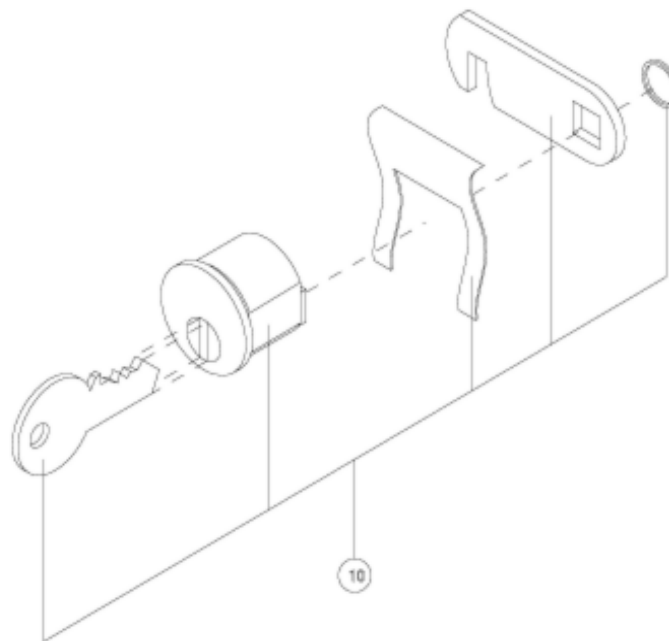
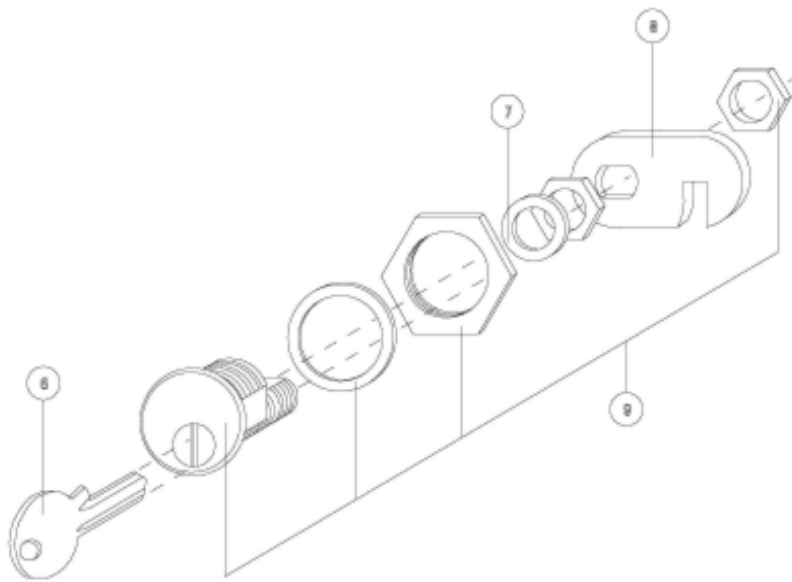
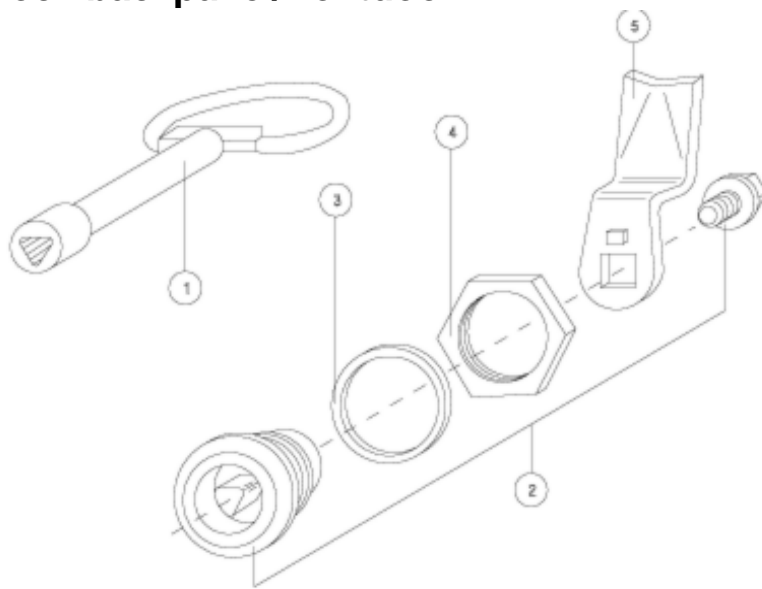
<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
02	1801784-SP	Frame assy.act&pow.box,HA,Std.	<a href="#">Page 2620</a>
03	1803610-SP	Bracket,mon-keyb,large,HA-S/M	<a href="#">Page 2630</a>
	1803220-SP	Plate,assy,mouse&slp,BT/HA	<a href="#">Page 2630</a>
	1861760-SP	PRINTER,SLP 100	
	1861761-SP	Printer,SLP240	
	1861794-W-SP	Mon-keyb/mouse HA-s/I,NCS1000	

# Page 2610 - Frame assy



<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
	1861179-SP	Cover,plastic,back,HA-s	
29	1110340-SP	Wheel,swivelling,set 4 pcs	pos.29(4x)
32	1112080-SP	Absorber,shock,gas,Set,150N	pos.32 & 33
34	1110280-SP	Lock,set,catch,l=55,b=20,h=20	<a href="#">Page 2611</a>
35	1110430-SP	Cap,white,f70mm,10pcs.	pos.35(10x)
36	1170073-SP	Switch,on/off,green,16A	
37	1111051-SP	Locker,5 parts	<a href="#">Page 2611</a>
	1801971-SP	Catch,door,Disp	<a href="#">Page 2611</a>
40	1850110-SP	Washer M4 DIN125A set 100pcs	pos.40(100x)
50	1850099-SP	screw M4x16 DIN912 set 100pcs	pos.50(100x)
54	1170076-SP	Switch,on/off,red,16A	
64	1170077-SP	switch,up/down,black,6A,250V	
	1802451-SP	Panel,fr,mech.frame,HA-s/m/l	
	1860413-SP	Heating assy,HA	pos. 56,57 &58

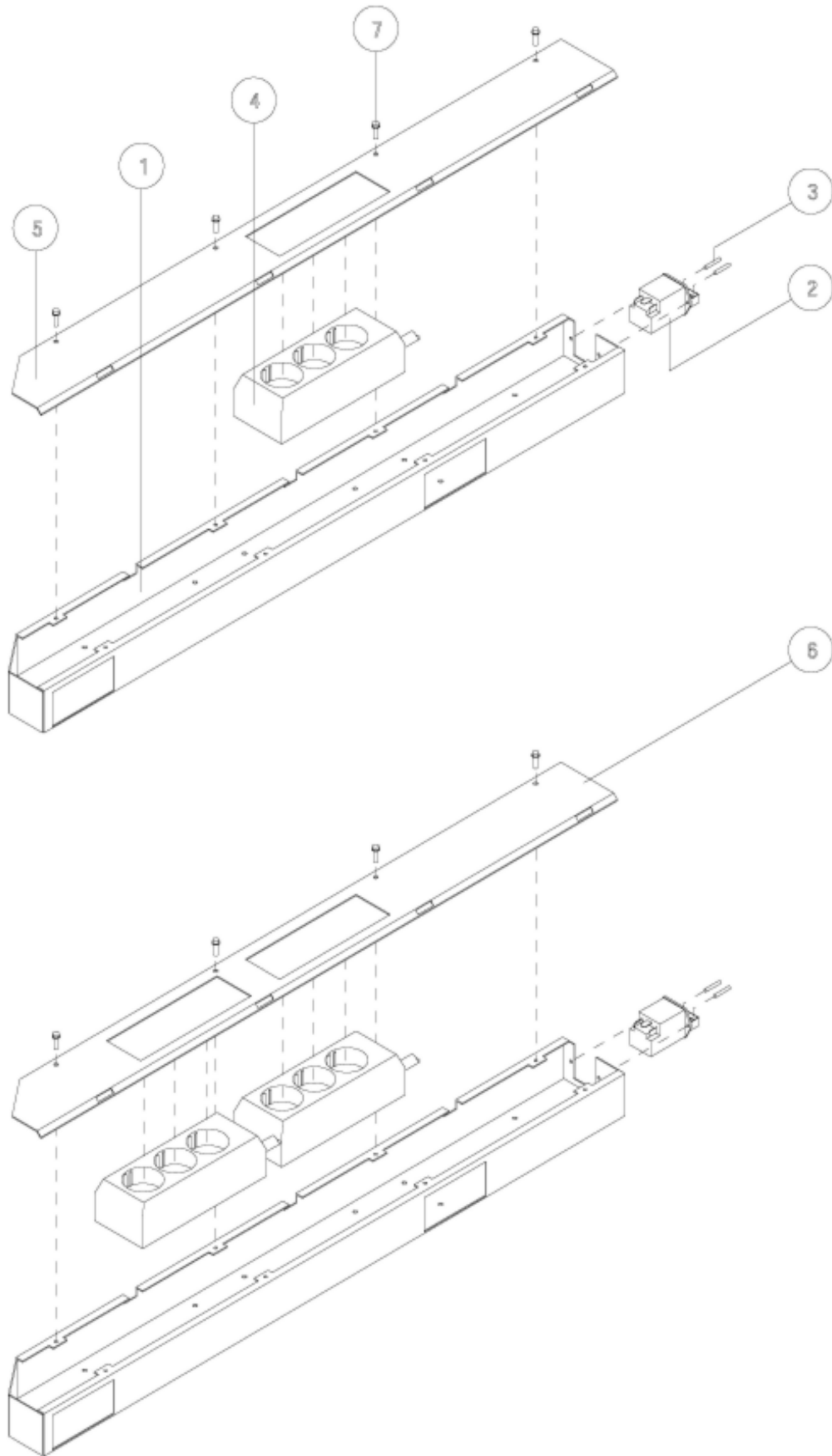
# Page 2611 - Lock backpanel/frontdoor



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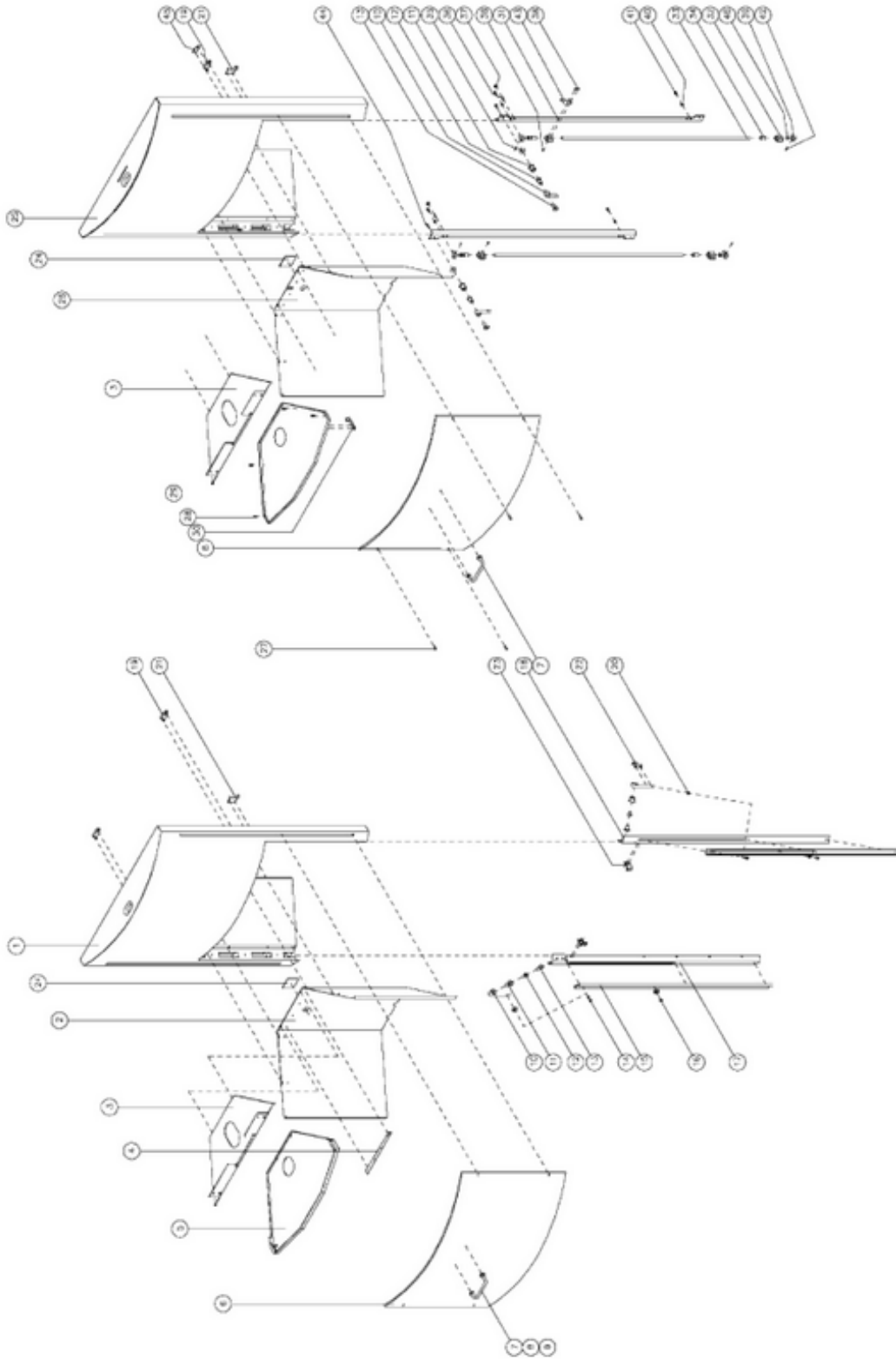
<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
01	1111010-SP	Key,triangle	
06	1111040-SP	Key,front&side door(upto 3-93)	
08	1801971-SP	Catch,door,Disp	
09	1111051-SP	Locker,5 parts	pos.6,7 & 9
10	1807981-SP	Lock, 5 parts (incl clip)	
	1110280-SP	Lock,set,catch,l=55,b=20,h=20	pos. 2,3,4 & 5

# Page 2612 - Cable channel,1x(2x)WCD



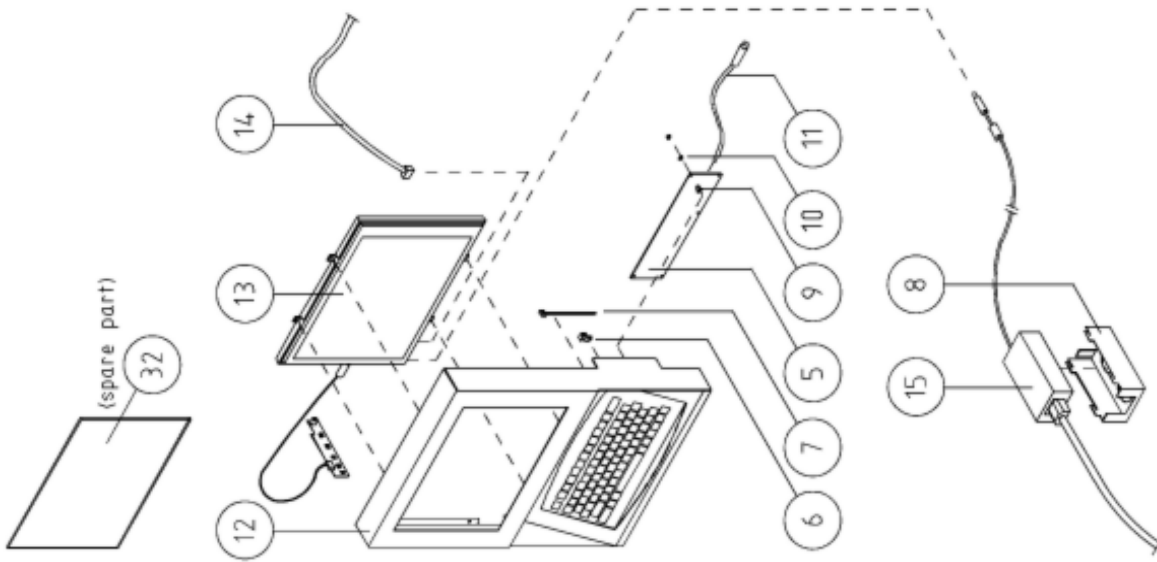
<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
02	1860637-SP	Filter,main,10A,HA/BT	
03	1175210-SP	Fuse,6.3 Amp,set,10pcs	pos.4(10x)

# Page 2614 - Upper,door,assy,EI,punch

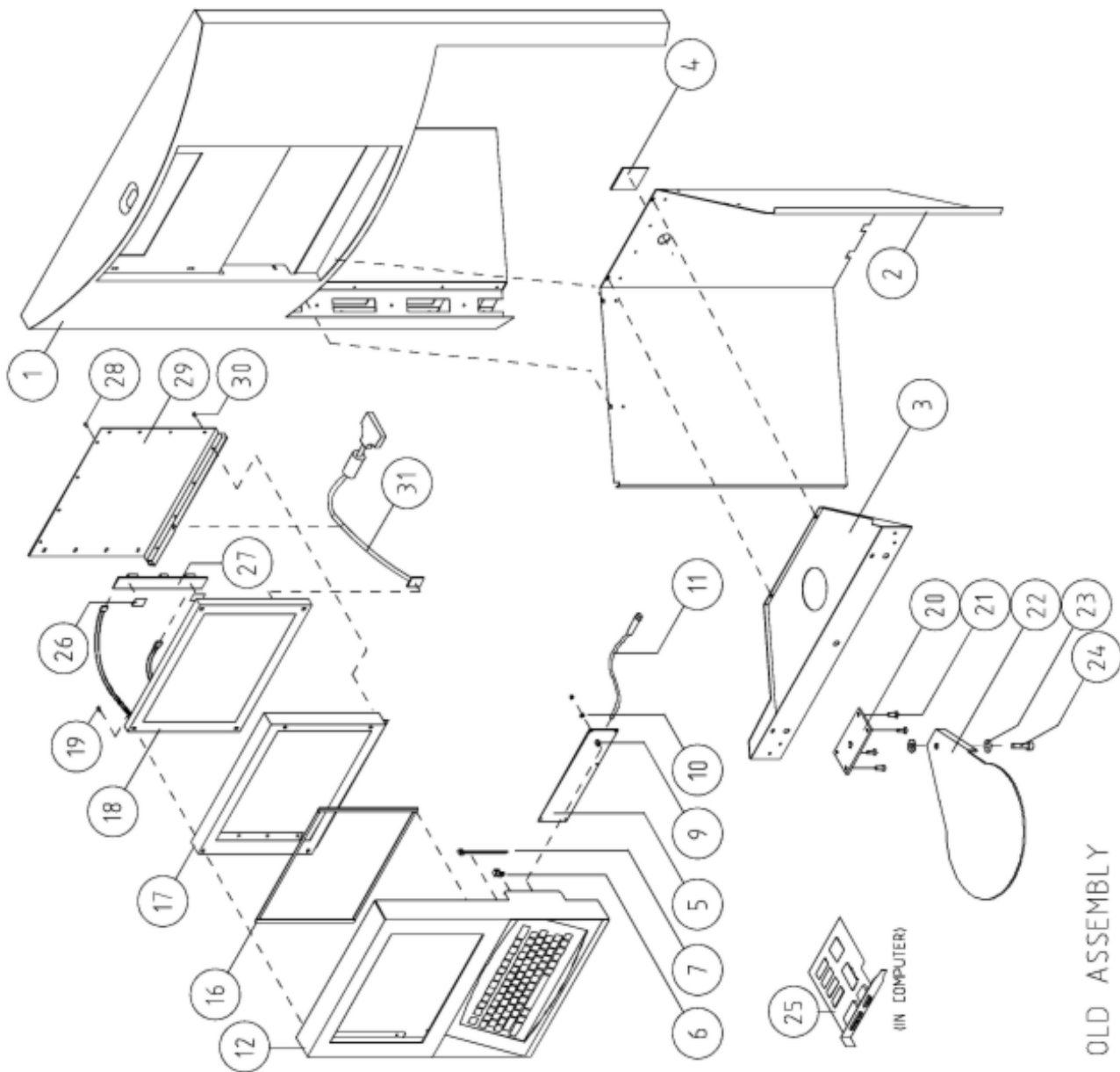


<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
06	1802641-SP	Door, plexiglass, safety, HA-s	pos. 6-9
07	1602794-SP	HANDLE DOOR, SX-40A, SET	
08	1850099-SP	screw M4x16 DIN912 set 100pcs	pos. 8(100x)
09	1850110-SP	Washer M4 DIN125A set 100pcs	pos. 9(100x)
10	1860143-SP	Spring, constant-force, CF030/BJ	
19	1160200-SP	Switch, micro	
20	1150320-SP	Bearing, ball, slid. table(626LU)	
22	1805136-SP	Bracket, switch, el. punch, HA-s	
46	1561280-SP	O-ring, viton, f8x1.9(25pcs)	
	1806151-SP	Guide assy, L, upper door, HA-s	pos. 10-13, 31-41
	1806150-SP	Guide assy, R, upper door, HA-s	pos. 10-13, 31-41&43

# Page 2615 - Door,assy,upper,LCD



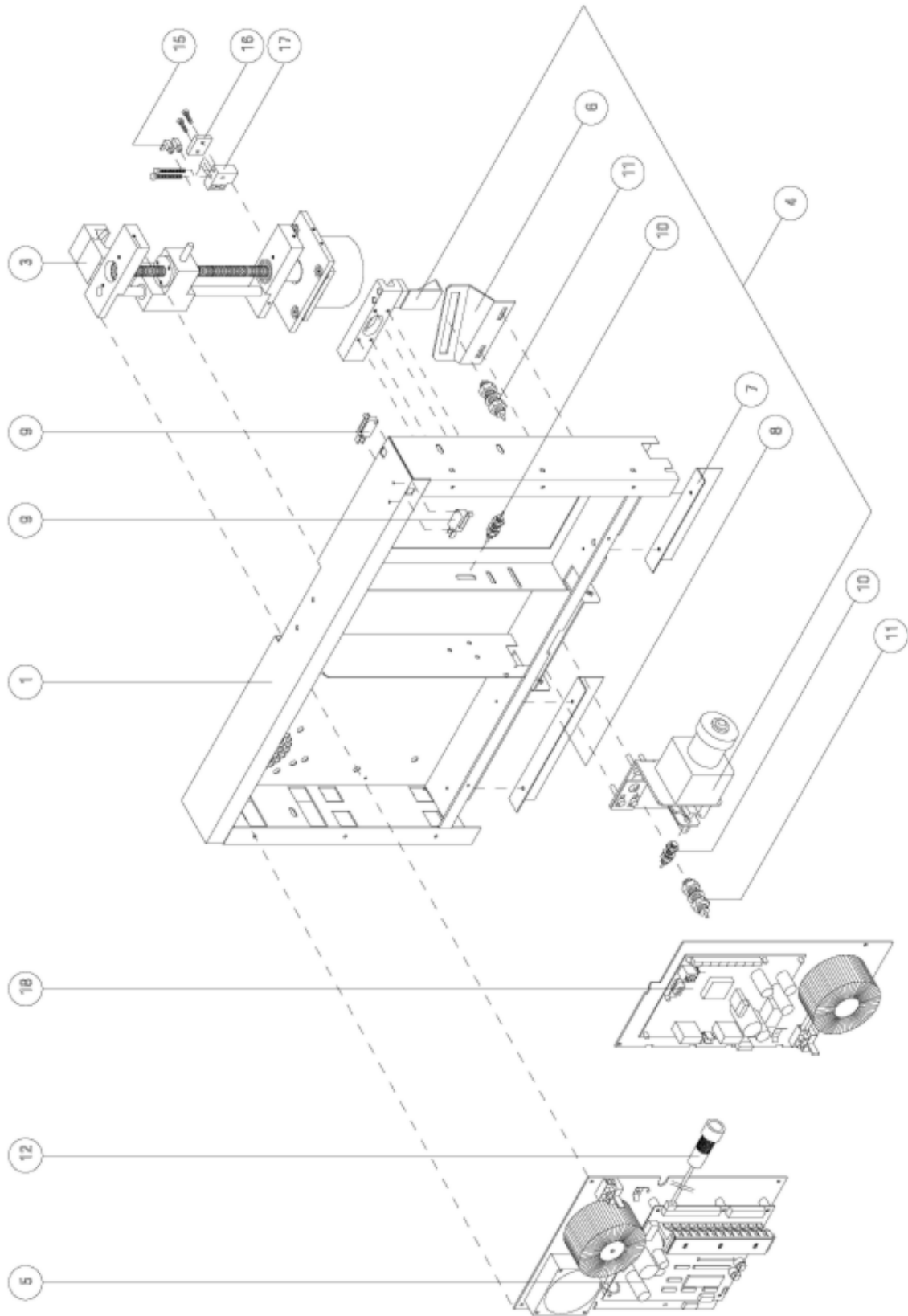
NEW ASSEMBLY  
(AFTER 1 MARCH 2002)



OLD ASSEMBLY  
(UPTO 1 MARCH 2002)

<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
08	1862312-SP	Controller,FM keyboard,P4	
12	1861232-SP	Bracket,flatscreen Plastic	
13	1809549-SP	LCD,Trident,Ha-ETm	
14	1862243-SP	Cable,signal,LCD,3.6Mtr,Trid	
15	1862244-SP	Powersuppley,LCD,w.3Mtr cable	
18	1861302-SP	LCD display LQ121S1DG11	
25	1861303-SP	PCI-Controller,Bayview52-LVDS	
27	1860841-SP	Backlight-inverter,LCD,TDK	
31	1860846-SP	CABLE,TFT,3MTR	
32	1806394-SP	Glass,protection,LCD,BT-combi	
	1860888-SP	LCD&Keyb,assy,HA/BT-combi(US)	after 01/04/02: pos. 5-15
	1860958-SP	Plate assy,mouse,HA	pos. 20-24

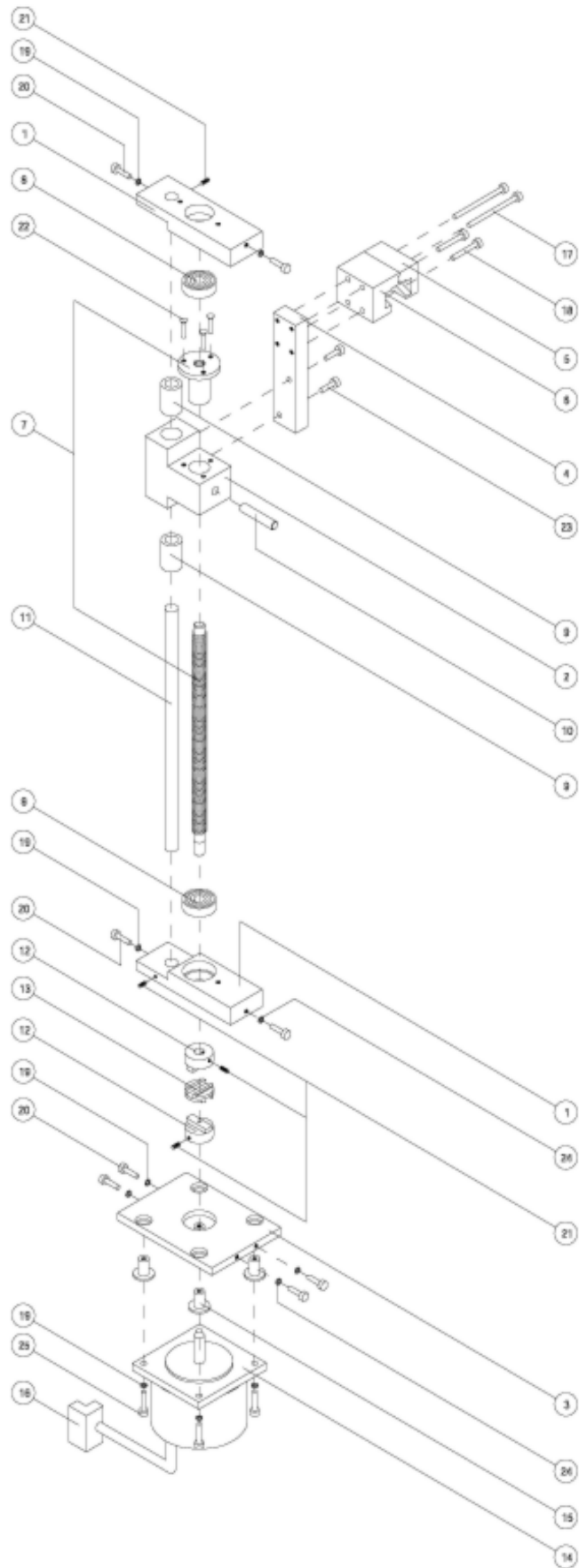
# Page 2620 - Frame,assy,actuator&pow.box



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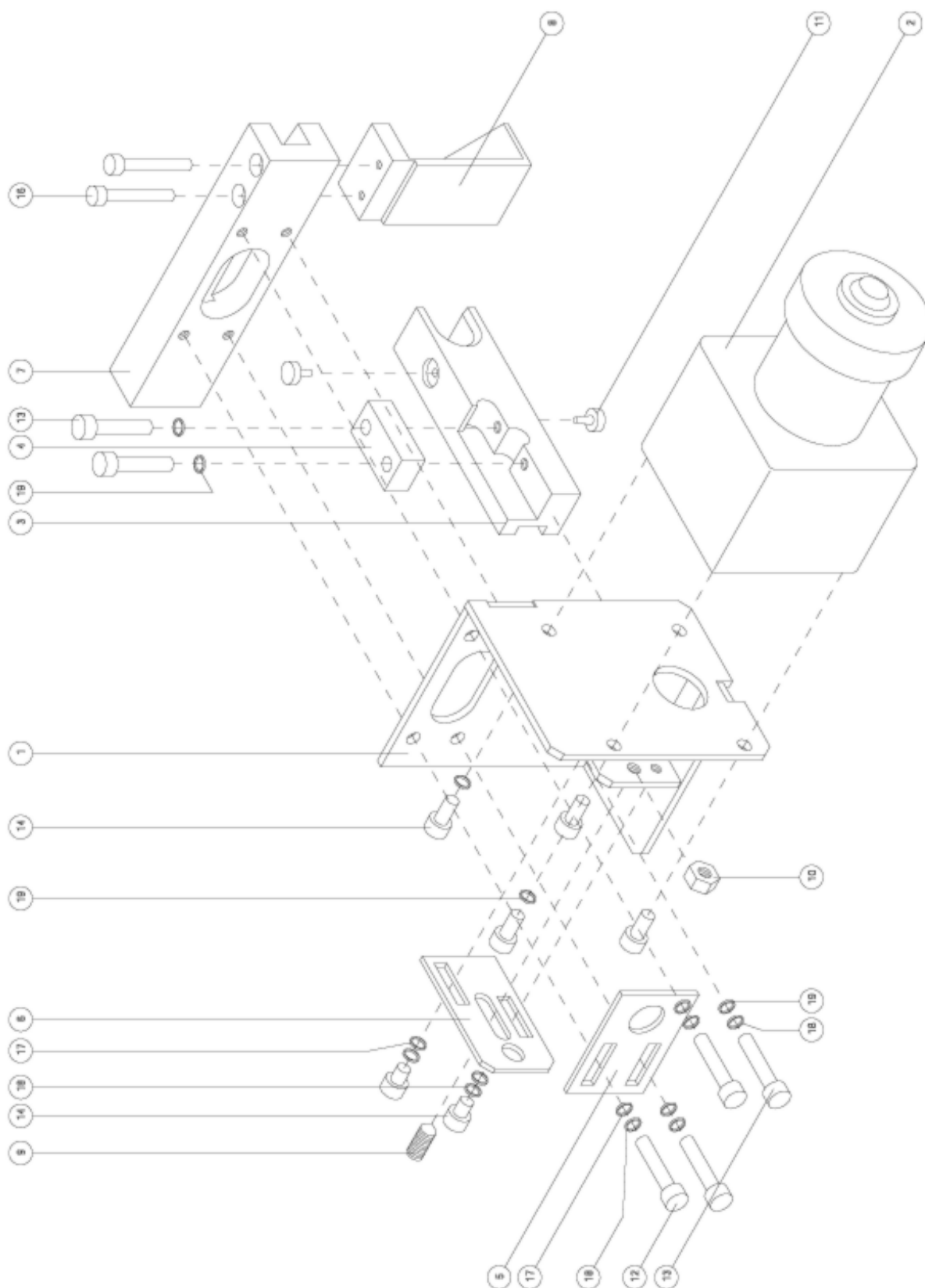
<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
03	1803230-SP	Actuator,assy,pump,HA-S/M	<a href="#">Page 2621</a>
04	1801949-SP	actuator,assy,valve,HA-s/m/l	<a href="#">Page 2622</a>
05	1803672-SP	Power unit,assy,HA/BT	<a href="#">Page 2623</a>
09	1160200-SP	switch,micro	
10	1120280-SP	Switch,proximity,f8mm	
11	1170010-SP	Switch,proximity,f12mm	
12	1170142-SP	Switch,proximity,f18mm,Cansen.	
15	1860372-SP	Brush,carbon,coll.,HA,set,2pcs	pos.15(2x)
18	1803933-SP	Option-unit,assy,HA-s/m/l+eprom	

# Page 2621 - Pump,actuator,assy



<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
07	1801043-SP	Spindle & nut,BF8M16Tx10,HA/BA	
	1860617-SP	Spindle&nut,BF8M25Tx10,HA	
08	1860091-SP	Bearing,ball,6200 ZZ	
09	1860092-SP	Bearing,lin,set 2pcs.	
14	1120073-SP	Motor,step,1.25Nm,L=16,5c.cabl	
	1803230-SP	Actuator,assy,pump,HA-S/M	pos.1-25
	1860066-SP	Coupler L.D,HUB232.25.31,HA/BA	pos.12(2x),13 & 21
	1860498-SP	Gripper,pump,assy,HA-s/m/l	pos.4-6,17,18 & 23
	1860499-SP	Spindle&block,assy,HA-s/m	pos.1(2x)2,7-11,12(2x),13,19-22 & 24
	1860500-SP	Motor,assy,pumpactuator,HA-s/m	pos.3,12(2x),13-16,19-21,24 & 25

# Page 2622 - Valve,actuator,assy

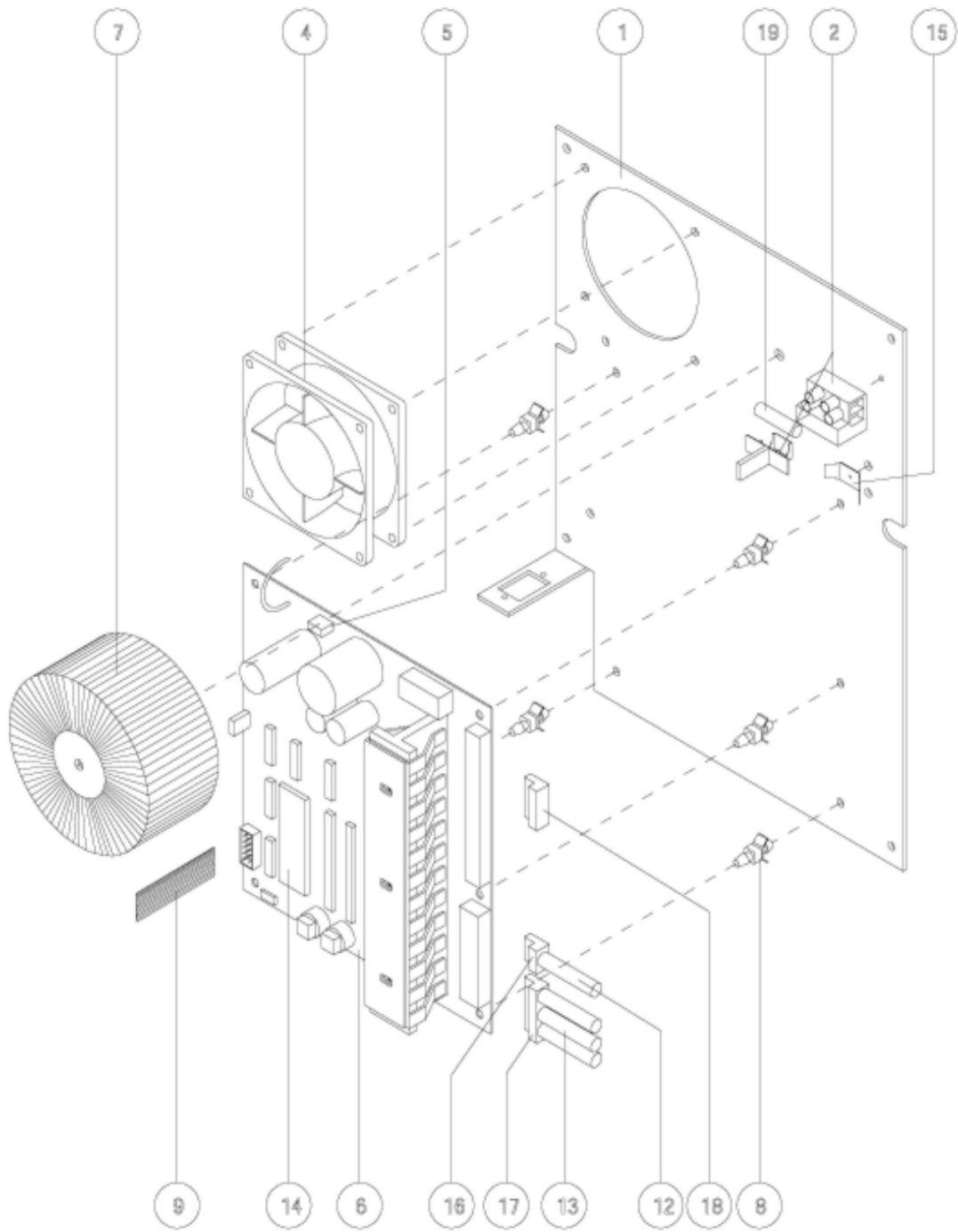


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<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
02	1860075-SP	Motor, valve, 80805010AK, HAs/m/l	pos. 2, 14 & 19
03	1801214-SP	Lever, valve actuator, HA-s/m	pos. 3, 4, 11, 13 & 19
08	1803068-SP	Bracket, lever, support, HA-S/M	
	1801949-SP	actuator, assy, valve, HA-s/m/l	pos. 1-19
	1860501-SP	Bracket, support, assy, HA-s/m/l	pos. 7, 8 & 16

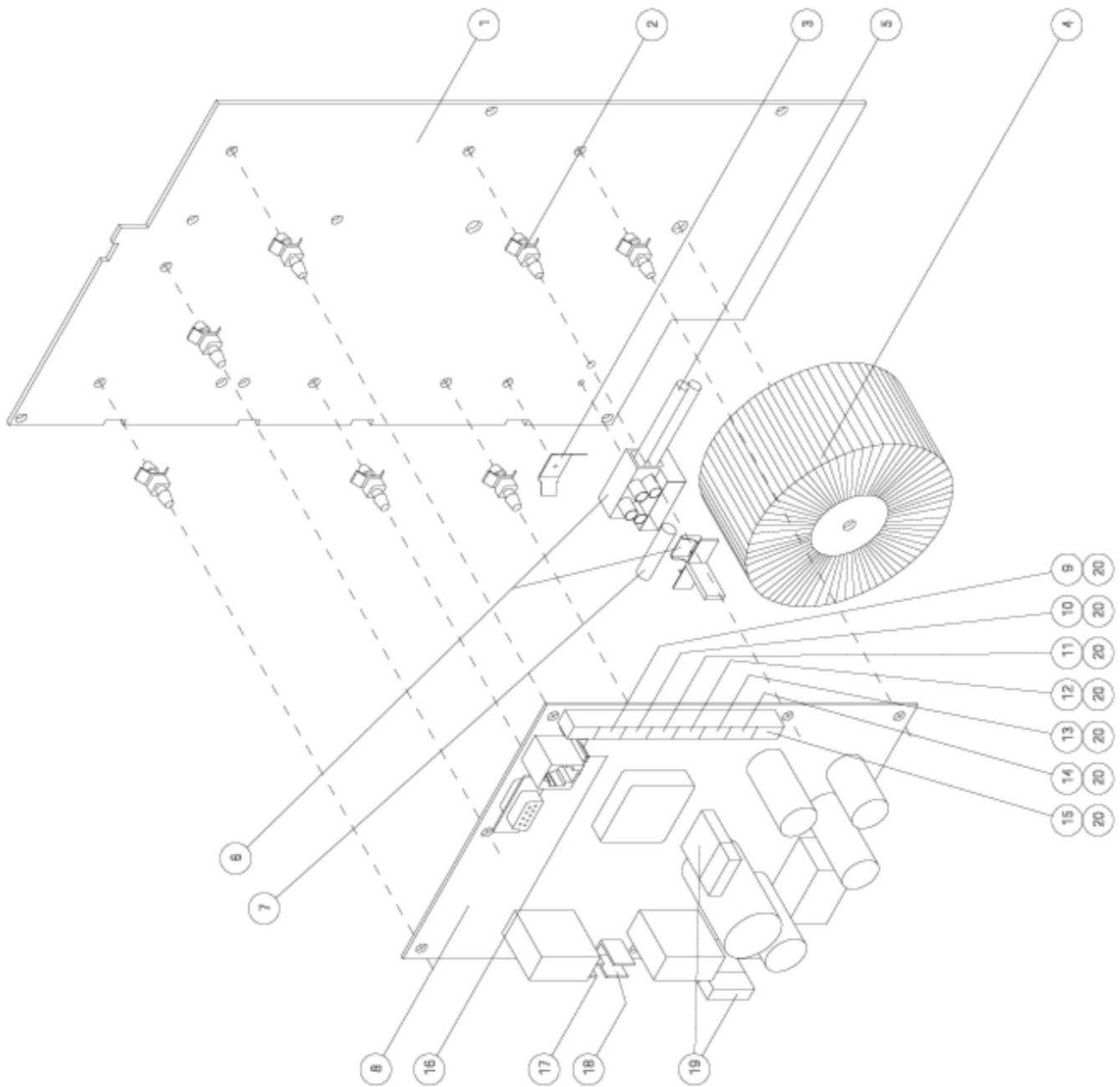
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# Page 2623 - Powerbox,assy



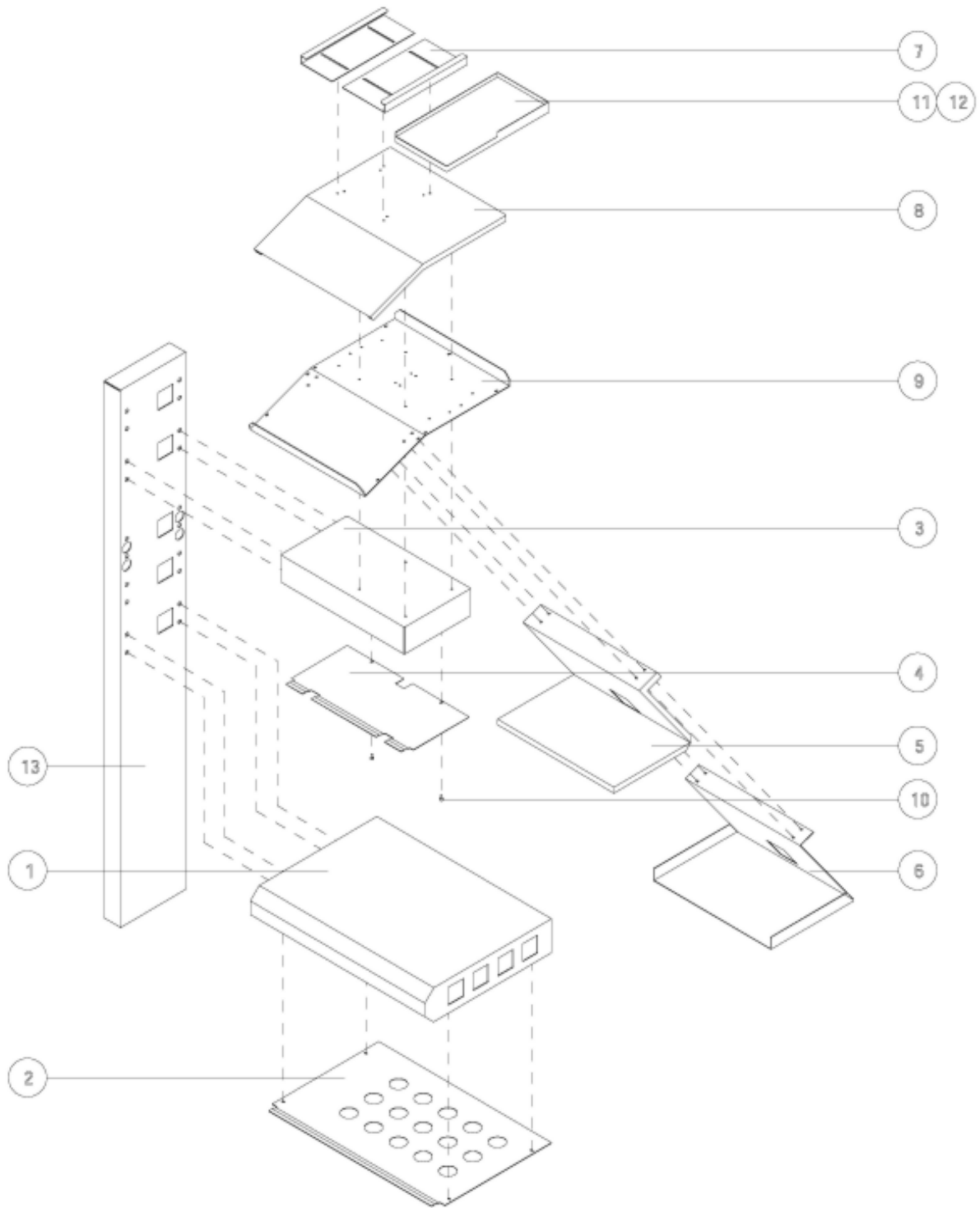
<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
02	1860259-SP	Holder, fuse, 503S	
04	1172060-SP	Ventilator	
05	1172090-SP	Conn, 3-pin, ventilator/jumper	
06	1172112-SP	print, ser. powerunit, w/o proc.	
07	1172182-SP	Transformer, 220V(RKT.120.12.2)	
09	1272231-SP	Cable, computer, 5m, D9, male-fem	pos. 9 & cable(1860528)
14	1860903-SP	PROCESSOR, TMS, HABA_V30(> 11/00)	
19	1172160-SP	Fuse, 2 Amp, set, 10pcs	pos. 19(10x)
	1862187-SP	Tool, extractor. processor. HA/BT	
	1803672-SP	Power unit, assy, HA/BT	pos. 1-10, 14, 15 & 19
	1272118-SP	PCB, P.U., serial, w. HABA	pos. 6, 8(5x) & 14

# Page 2624 - Option unit,el,cant&punch



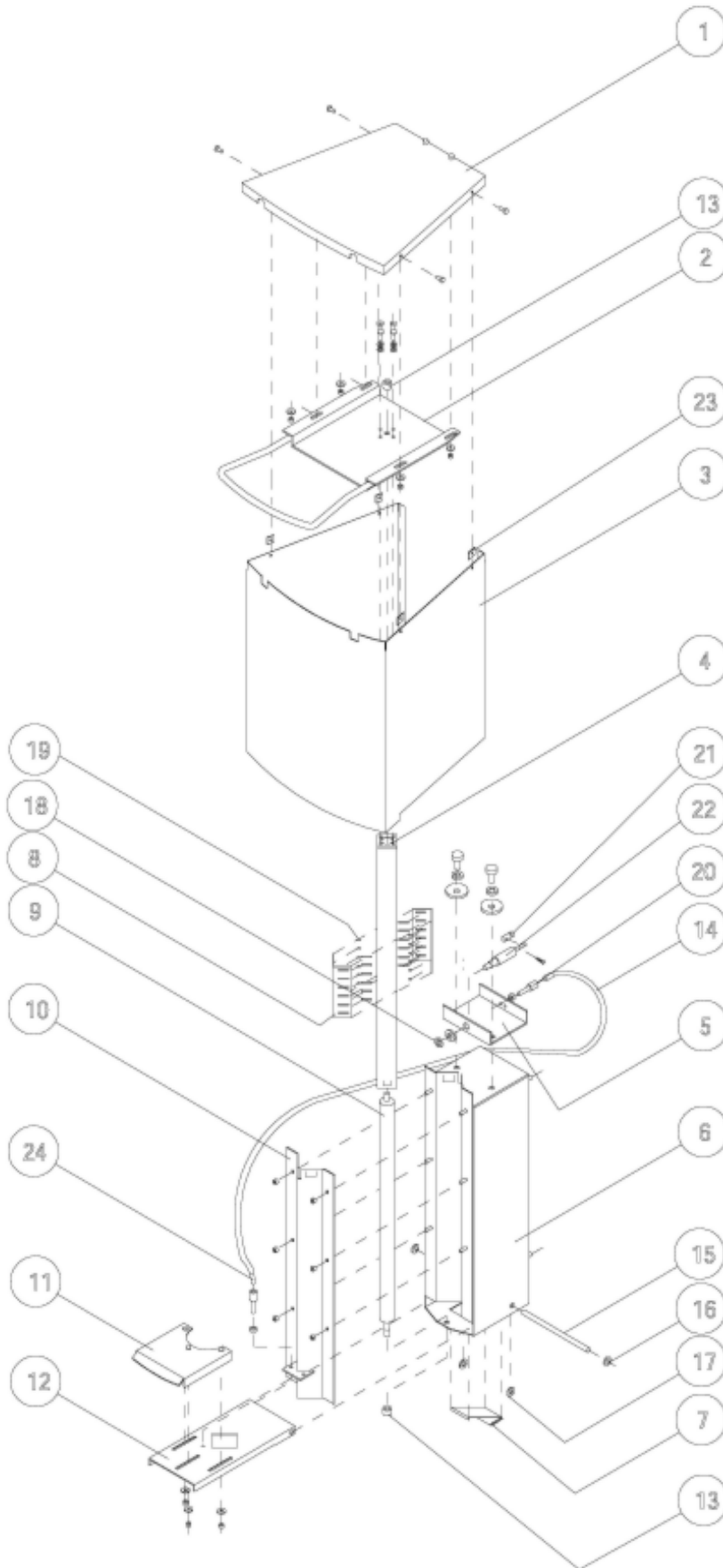
<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
04	1860344-SP	Transformer,225VA,2x18V,220V	
06	1860259-SP	Holder,fuse,503S	
07	1860745-SP	Fuse,3. 15A,T,autom.,set,10pcs	pos.7(10x)
08	1860454-SP	Print,optie-unit,HA-s/m/l	
16	1860861-SP	Cable,data,HA	
19	1860343-SP	Fuse,5A,autom.,S-35a,set,10pcs	pos.19(10x)
	1862187-SP	Tool.extractor.processor.HA/BT	
	1803933-SP	Option-unit,assy,HA-s/m/l+eprom	pos. 1,2,4,6,7 & 8

# Page 2630 - Monitor,keyboard,bracket



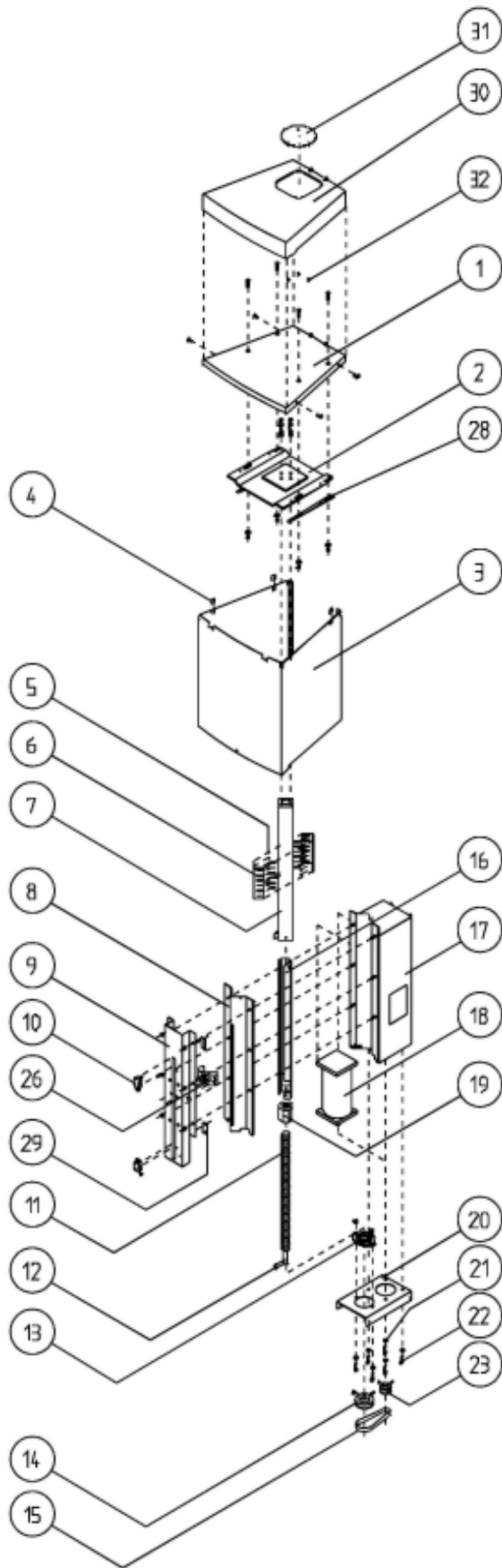
<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
13	1804369-SP	Adaptor, mon-keyb. br, HA-s/m/l	pos. 13(1x) & 1850201/207/209(4x)
	1860636-SP	Bracket, printer, assy, HA-s/m/l	pos. 1 & 2
	1803220-SP	Plate, assy, mouse&slp, BT/HA	pos. 5 & 6
	1803610-SP	Bracket, mon-keyb, large, HA	pos. 3, 4 & 7-10
	1860465-SP	Tray assy, spectro, mon-keyb br.	pos. 11 & 12

# Page 2640 - Cantable,assy,standard



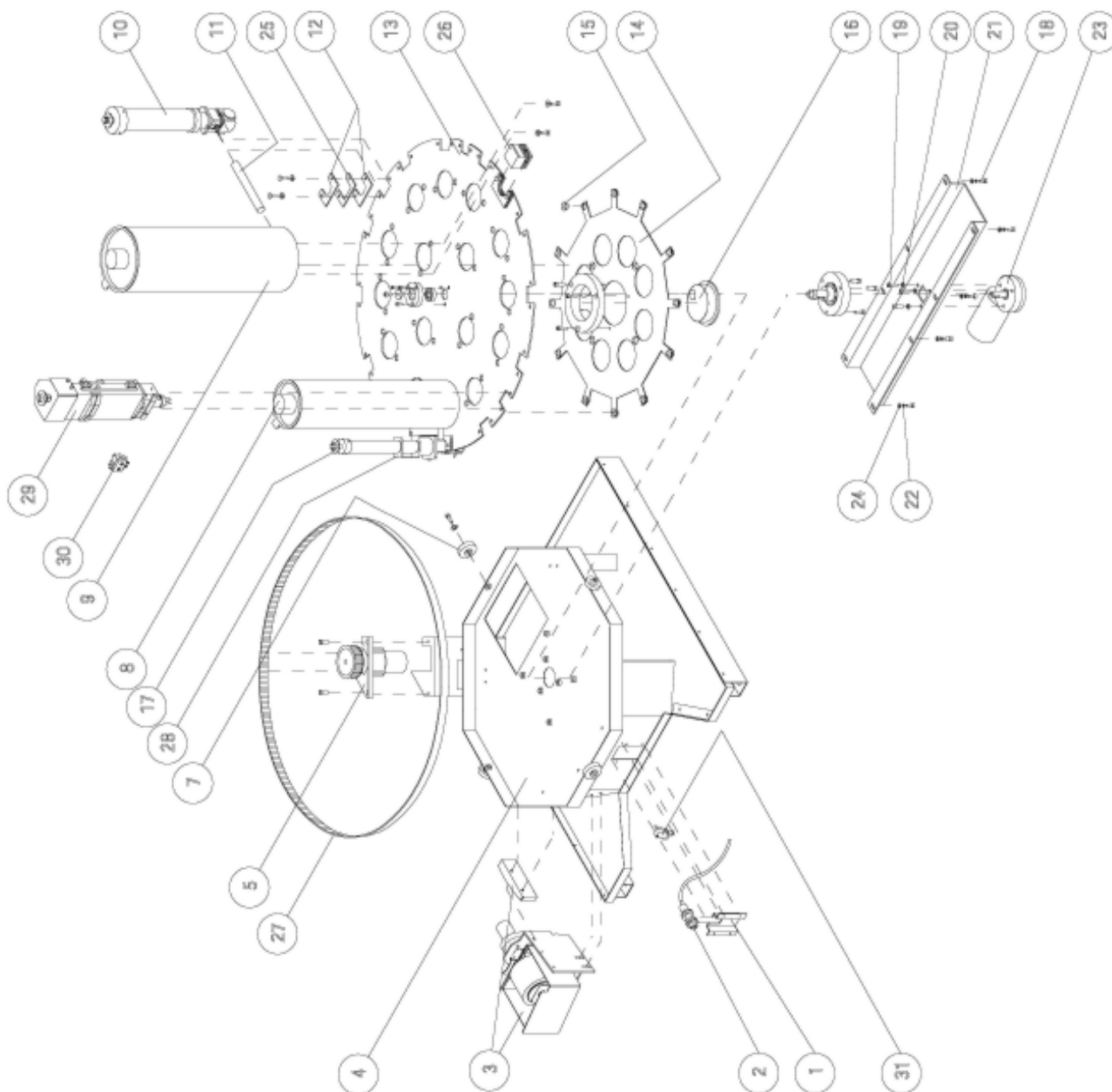
<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
04	1803507-SP	Guide,cantable,HA/BA	
06	1801628-SP	Frame,assy,cantable,HA/BA	
07	1250250-SP	Spring,pedal,cantable	pos.7(2x)
08	1801626-SP	Plate,support,bearing,HA/BA	
09	1150071-SP	absorber,shock,oil,375mmstroke	
13	1850261-SP	NutM8,nyloc,hex,din985,set10pc	
18	4120908-SP	Nut,hex,7/16-28,index.pin,25pc	
19	1152040-SP	Pin,dowel,nra f3x19,8 set25pcs	pos.19(25x)
22	4120925-SP	Pin ,index,housing,assy,comp	
23	1601475-SP	Nut,plate,M4 set25 pcs	pos.23(25x)
25	1805391-SP	Adaptor,elec.cant.cover,HA-s	
	1153701-SP	Cable,brake,set,L=600mm,2xbolt	pos.14,20(2x),21(2x) & 24
	1801943-SP	Cantable,assy,HA/BA	pos. 4-22 & 24

# Page 2641 - Cantable,assy,electric



<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
04	1601475-SP	Nut,plate,M4 set25 pcs	
05	1152040-SP	Pin,dowel,nra f3x19.8 set25pcs	pos.5(25x)
06	1801626-SP	Plate,support,bearing,HA/BA	
10	1602709-SP	Switch,micro	
15	1860073-SP	Belt,timing, 110 XL 037	
18	5108401-SP	Motor,DC,daytone,#8N568	
21	4000002-SP	Washer,lock,1/4,split,100pcs	
30	1805391-SP	Adaptor,elec.cant.cover,HA-s	
	1860866-SP	Pulley & belt,assy,cant,elec	pos.14,15 & 23

## Page 2650 - Subframe,assy



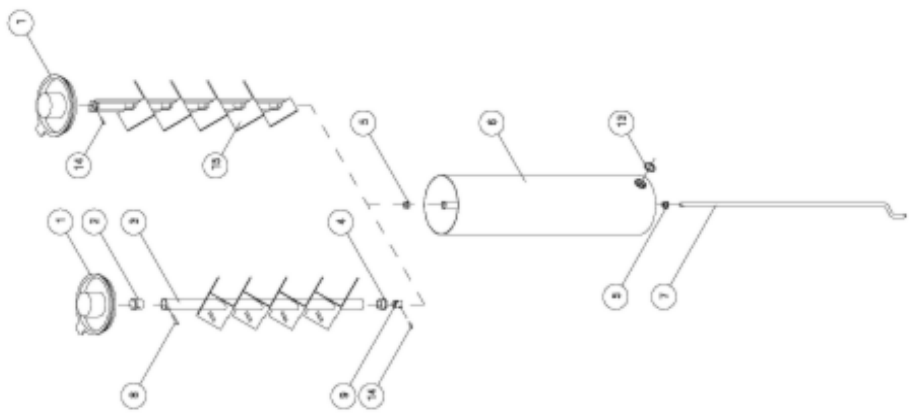
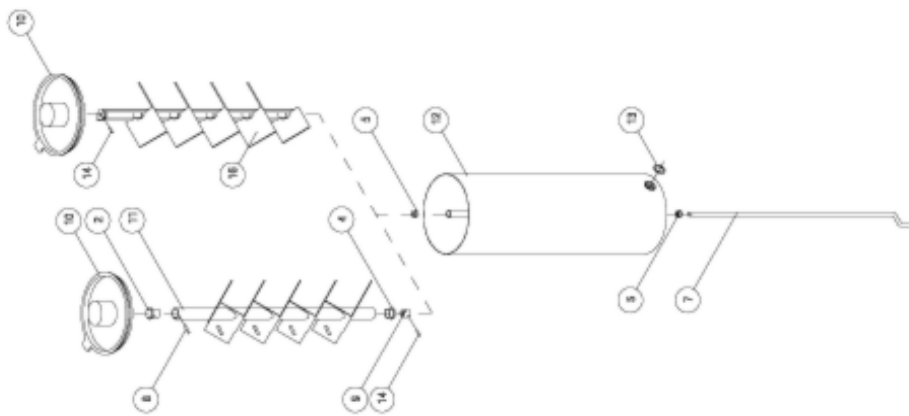
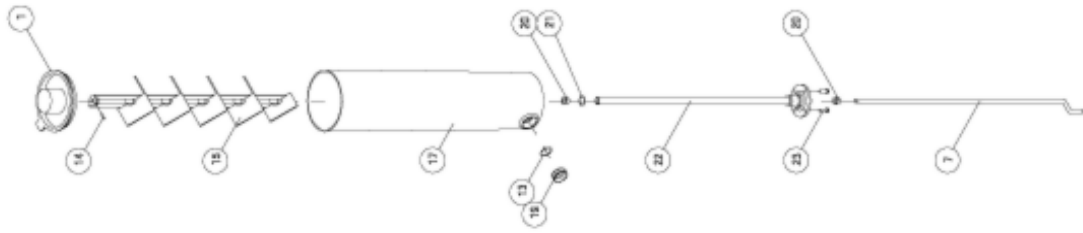
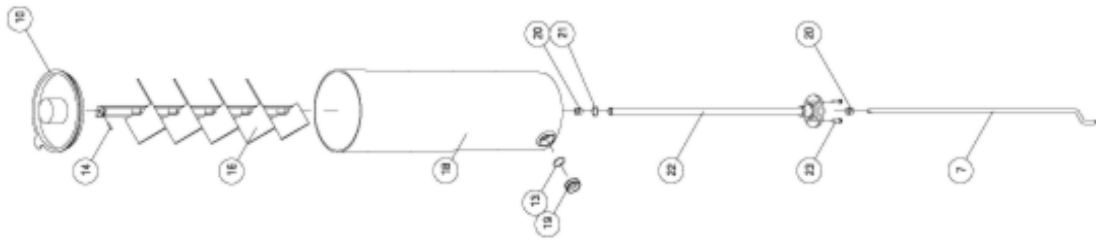
ITEM	PART NUMBER	DESCRIPTION	REMARKS
02	1170142-SP	Switch,proximity,f18mm,Cansen.	
03	1801947-SP	Brush,set,w/motor,S,br,HA-s/m	<a href="#">Page 2655</a>
	1804258-SP	Brush,set w/motor&fender,HA-s	<a href="#">Page 2655</a>
05	1860383-SP	Motor unit,turntable,HA-s	<a href="#">pos.5 &amp; 27 (Page 2653)</a>
	1860314-SP	Motor unit,turntable,HA-m	
07	1862421-SP	Wheel,traversing,excentr.35mm	
08	1802139-SP	Canister&agit,assy,2.5L,HA-S	<a href="#">Page 2651</a>
09	1801439-SP	Canister&agitator,assy,5L,HA-s	<a href="#">Page 2651</a>
	1807780-SP	Canister,POM,4.5L,assy Ha-s	
11	1801609-SP	Tube,ø16x131.5,HA	
	1801611-SP	Tube,ø16x33,HA-s/m/l	
	1803345-SP	Tube,ø16x148.5,HA	
12	1803337-SP	Plate,clamp,pump&valve assy,HA	
13	1801801-SP	Turntable,16C(1),HA-s	
14	1807193-SP	Plate,agit(1a),HA-s	
15	A-07255-SP	Bush,drive,plate,22P,set,25pcs	pos.15(25x)
23	1860062-SP	Motor,geared DC,403.855,BT/HA	pos.23 & plugs
25	1803338-SP	Plate,clamp,middle,p&v,assy,HA	

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26	1803341-SP	Dummy,pump-valveblock,HA	
27	1860379-SP	Belt,timing+pulley HA-S,set	
29	1803582-SP	Punch/cap system assy,elec,HA	<a href="#">Page 2656</a>
30	1860423-SP	Collector assy,elec.punch,HA	<a href="#">Page 2656</a>
31	1602709-SP	Switch,micro	
	4223110X-SP	Piston,teflon,1-oz.US.set100pc	
	4225210-SP	Bushing,pump tube,2-oz,US	
	1861359V-SP	Valveh.assy,2-0z,Vi,US,cast,HS	
	1861360V-SP	Valveh.assy,2-oz,Vi,US,cast,HA	
	1861360K-SP	Valveh.assy,2-oz,KA,US,cast,HA	
	1861360S-SP	Valveh.assy,2-oz,Si,US,cast,HA	
	1861364V-SP	Valveh.assy,5-oz,Vi,US,cast,HA	
	1861364K-SP	Valveh.assy,5-oz,Ka,US,cast,HA	
	1861364S-SP	Valveh.assy,2-oz,Si,US,cast,HA	
	1861359K-SP	Valveh.assy,2-oz,Ka,US,cast,HS	

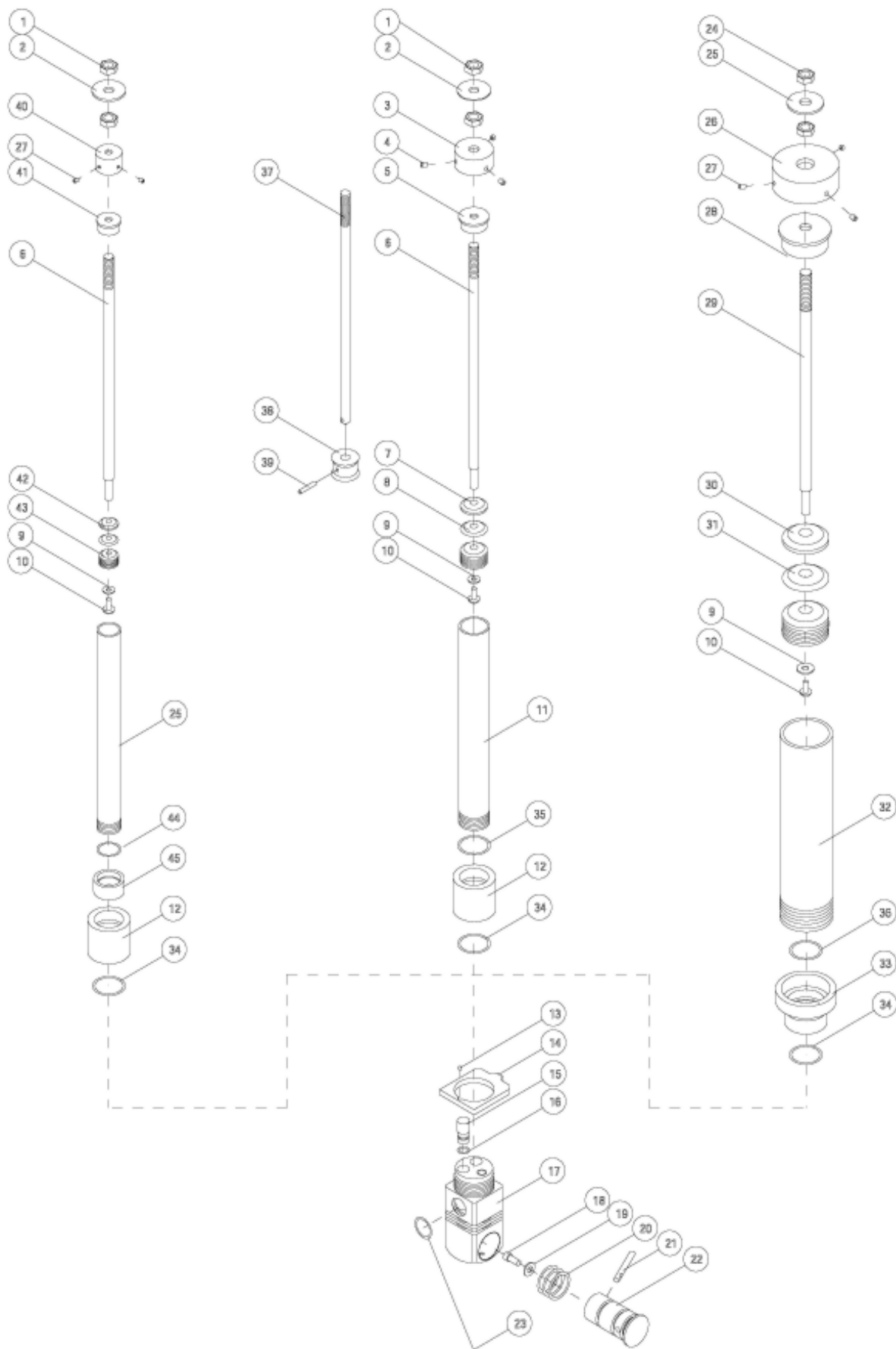
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# Page 2651 - Canister & agitator,assy



<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
01	1802146-SP	Cover,POM,can.2.5/3L,HA-s/m/l	
02	1801448-SP	Cap,top,pipr,agitator,Ha-s/m/l	
04	1801449-SP	Bush,pipe,agitator,HA-s/m/l	
05	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
08	1855302-SP	Pin,spirof,f3x18mm,Sst,25pcs	
09	1801798-SP	Bush,center,agit.shaft,HAs/m/l	
10	1802378-SP	Cover,POM,5/6l can,HA-s/m/l	
13	1362230-SP	O-ring,canister,vit,15.88x2.62 10st	pos.13(10x)
14	1860110-SP	Pin,spirof,f2.5x12,Sst,25pcs	
15	1805621-SP	Agitator(POM),2.5L canist,HA-s	pos.14 & 15
16	1805419-SP	Agitator(POM),5L canister,HA-s	pos.14 & 16
19	1806462-SP	Ring,can,O-ring,HA set 10 pcs	
21	1362231-SP	O-ring,cann,vit,20.29 set 10pc	pos.21(10x)
	1806497-SP	Canister&agit(POM) assy,2.5L	pos.1,5-7 & 13-15
	1802139-SP	Canister&agit,assy,2.5L,HA-s	pos.1-9,13 & 14
	1803434-SP	Canister,assy,2.5L,HAS	pos.1,5,6,7,9,13 & 14
	1803435-SP	Agitator,assy,2.5L can,HA-S	pos. 2,3,4 & 8
	1806498-SP	Canister&agit(POM) assy,5L,HAs	pos.5,7,10,12-14 & 16
	1801439-SP	Canister&agitator,assy,5L,HA-S	pos.2,4,5,7-14
	1803436-SP	Canister,assy,5L,HA-s	pos.5,7,9,10 & 12-14
	1803437-SP	Agitator,assy,5L canister,HA-S	pos.2,4,8 & 11
	1807780-SP	Canister,POM,4.5L,assy,HA-s	pos 1,7,13-15,17,19-23
	1807766-SP	Canister,POM,2.3L,assy,HA-s	pos.7,10,13,14,16,18,19-23

Page 2652 - Valve,assy,1/2/5-oz

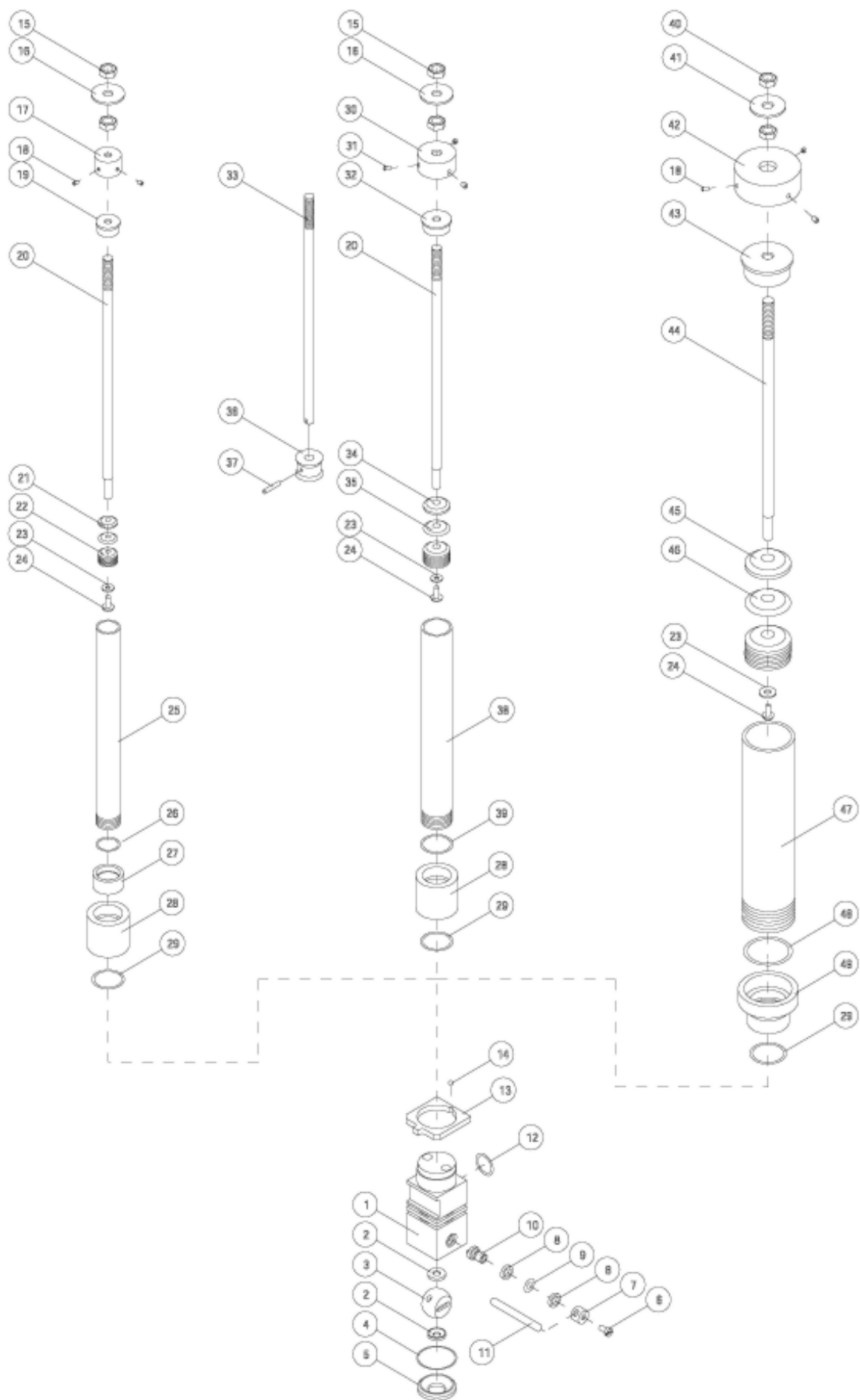


ITEM	PART NUMBER	DESCRIPTION	REMARKS
01	400053-SP	Nut,hex,5/16-24,jam,c/z,100pcs	
02	1801517-SP	Disc,pump,2-oz,HA-s/m/l	
03	1002621-SP	Cap pump w/screws,FA80/192	

04	4000054-SP	Screw,set,#8-32x3/16,100pcs	
05	4225210-SP	Bushing,pump tube,2-oz,US	
06	4222100-SP	Piston rod,assy,2-oz,US	
07	4224210-SP	Spacer,piston,2-oz,US,set,4pcs	
08	4223210X-SP	Piston,only,2-oz,US,300pcs	
09	4000052-SP	Washer,fiber,3/16x1/2 100pcs	
11	4221210-SP	Pump,tube,only,2-oz,US	
12	1801187-SP	Adaptor,pump-tube,2-oz,HA	pos.12,34,35
14	1801193-SP	Stabilizer,pump-tube,HA	
15	1801203-SP	Plug,seal,valveblock,HA	
16	1165062-SP	O-ring,valve,vit,6.07x1.78(25)	
18	1850099-SP	screw M4x16 DIN912 set 100pcs	
19	1850113-SP	washer M4x12 DIN522 set 100pcs	
20	1860079-SP	O-ring,valve,vit,set,3pcs	
	1860085-SP	O-ring,valve,sil,set,3pcs	
	1860355-SP	O-ring,valve,kal,set,3pcs	
21	1801206-SP	handle,valve,act.HA set 10pcs	
22	1801755K-SP	Valve,kal,1/2/5-oz pump,HA	pos.18,19,20(3x),21,2 2
	1801755S-SP	Valve,sil,1/2/5-oz pump,HA	pos.18,19,20(3x),21,2 2
	1801755V-SP	Valve,vit,1/2/5-oz pump,HA	pos.18,19,20(3x),21,2 2
	1801755-SP	Valve,1/2/5-oz pump,4mm ex,HA	
23	1362230-SP	O-ring,can,vit,15.88x2.62 10st	
24	1362020-SP	Nut,piston,rod,5-oz pump	
28	1362060-SP	Bushing,pumptube,5-oz,US,FA/HA	
29	1803413-SP	Piston rod,only,5-oz,HA-S/M	
30	4224511-SP	Spacer,piston,5-oz,US,set,4pcs	
31	4223510X-SP	Piston,teflon,5-oz,set,100 pcs	
32	4225100-SP	Pump,tube,only,5-oz,US	
33	1801190-SP	Adaptor,pump-tube,5-oz,HA	pos.33,34,36
34	1860078-SP	O-ring,Set 10st,vit,31.47x1.78	
35	4228202-SP	Gasket,pumptube,2-oz,set,10pcs	
36	4228502-SP	Gasket,pumptube,5-oz,set,10pcs	
37	4600388-SP	Piston rod,tetrafl.2-oz,US.ASSY	pos.37,38,39
38	4600387-SP	Seal,tetrafluor,2-oz,US	pos.38,39
42	4223110-SP	Piston,teflon,1-oz,US,set,3pcs	
	4223110X-SP	Piston,teflon,1-oz,US.set100pc	
43	4224110-SP	Spacer,piston,1-oz,US,set,4pcs	
44	4228100-SP	Gasket,pumptube,1-oz,set,10pcs	
45	1801315-SP	Ring,adaptor,2-oz to 1-oz	
	1862105-SP	Pump,tube,pist&cap,assy2-Oz,HA	
	4221510-SP	Pumptube&piston rod,assy5-ozFA	
	1860429-SP	Pumptube,pist&cap,assy,5-oz,HA	pos.9,10,24-32+36
	1860653-SP	Valve&O-ring(vit),assy,1/2/5oz	
	1861359V-SP	Valveh.assy,2-Oz,Vi,US,cast,HS	
	1861360V-SP	Valveh.assy,2-oz,Vi,US,cast,HA	
	1861360K-SP	Valveh.assy,2-oz,KA,US,cast,HA	
	1861360S-SP	Valveh.assy,2-oz,Si,US,cast,HA	
	1861364V-SP	Valveh.assy,5-oz,Vi,US,cast,HA	
	1861364K-SP	Valveh.assy,5-oz,Ka,US,cast,HA	
	1861364S-SP	Valveh.assy,5-oz,Si,US,cat,HA	
	4223510-SP	Piston,teflon,5-oz,US,set,4pcs	pos.9,10,31(3x),36
	4223210-SP	Piston,teflon,2-oz,US,set,3pcs	pos.8(3x),9,10,35
	1362040-SP	Cap,pumptube,5-oz,US,FA192	pos.26,27



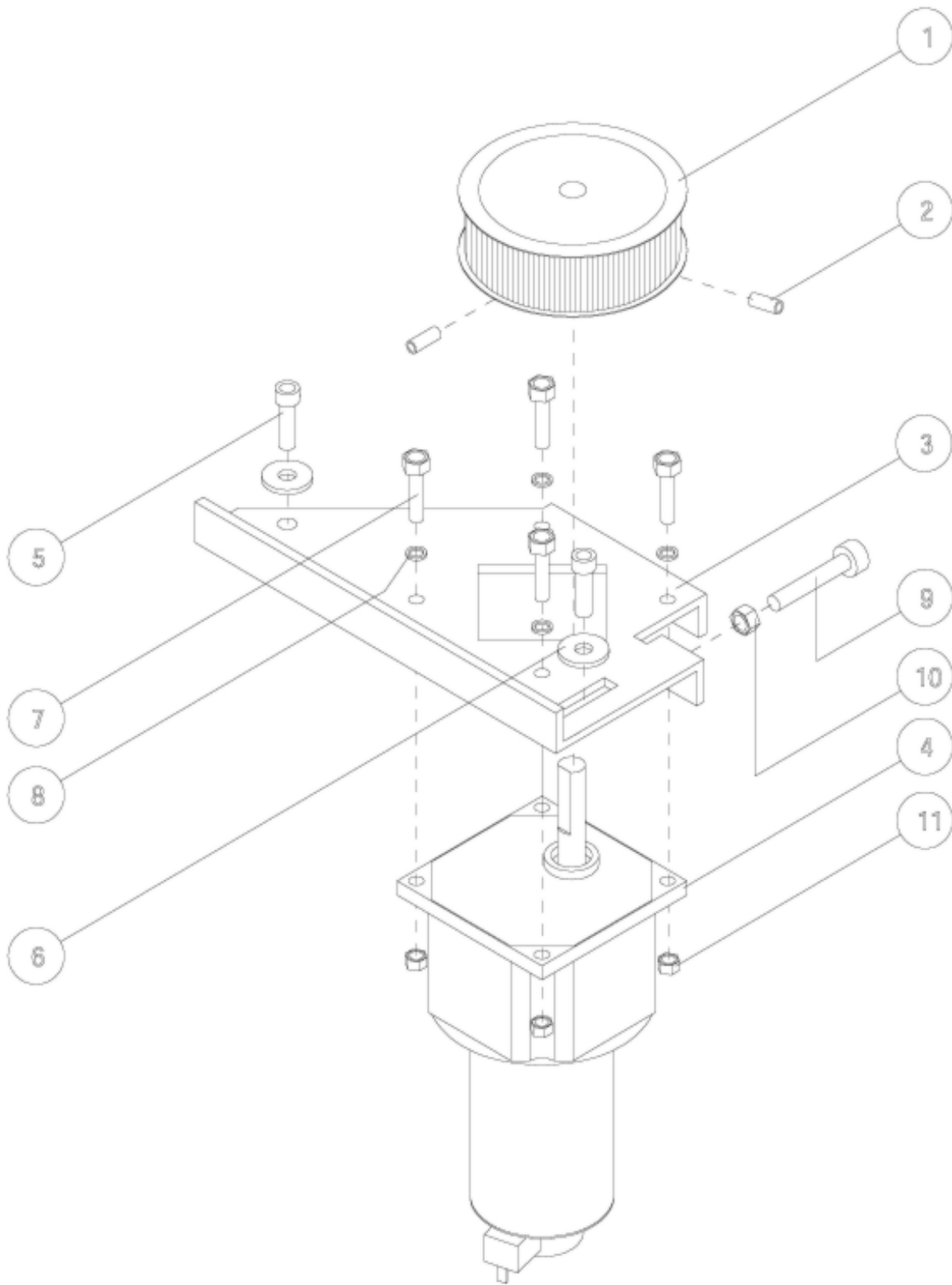
Page 2653 - Ballvalve,assy,1/2/5-oz



ITEM	PART NUMBER	DESCRIPTION	REMARKS
02	1806336-SP	Ring.ballvalve.2/5-oz,10 pcs	
04	1860916-SP	O-ring 30.5x1 ballvalve 10 pcs	
05	1806337-SP	Nozzle ballvalve 2/5-oz 10 pcs	

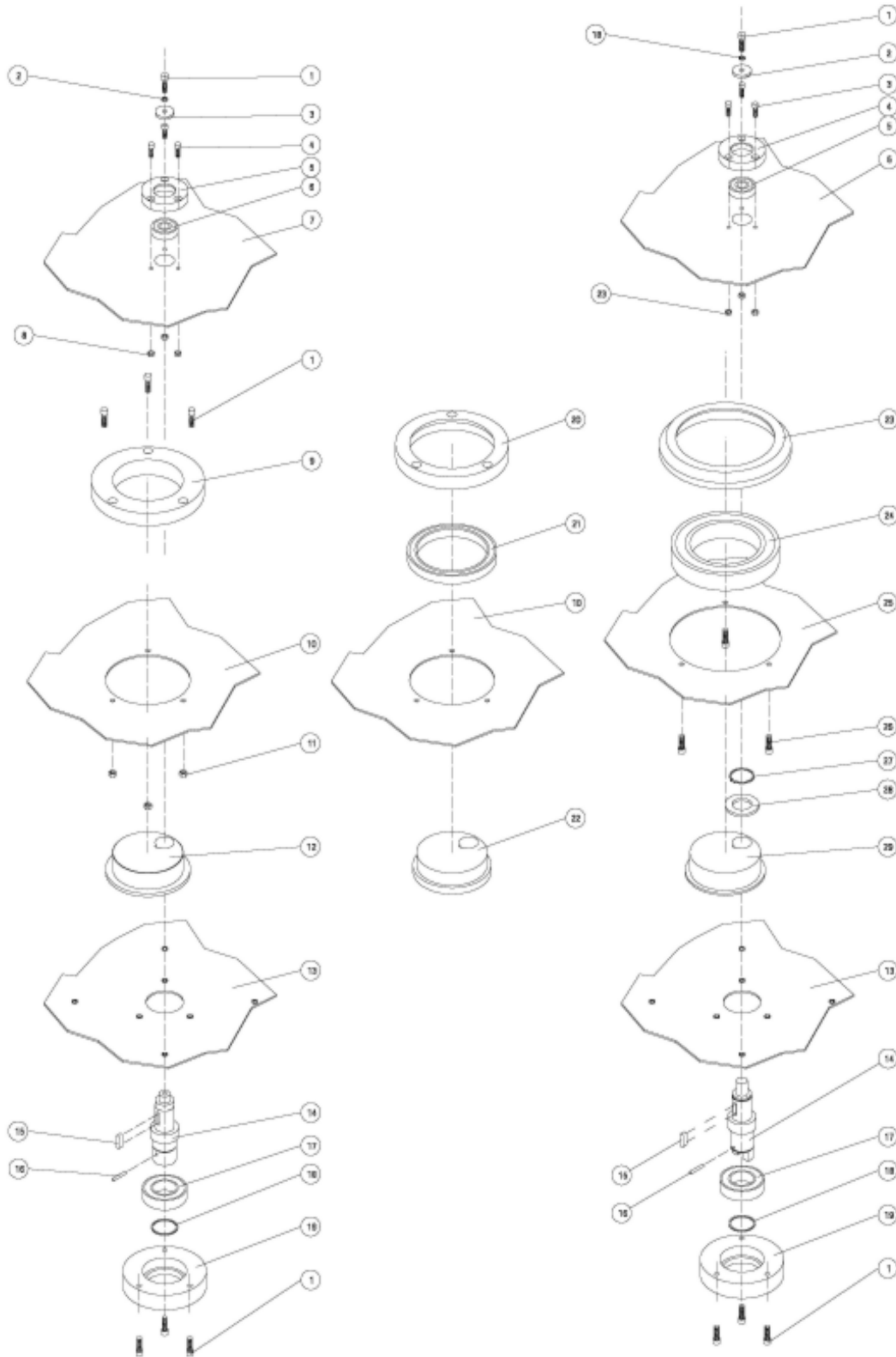
06	1850121-SP	Screw M4x12 so,hex,set 100 pcs	
11	1801206-SP	handle,valve,act.HA set 10pcs	
12	1362230-SP	O-ring,can,vit,15.88x2.62 10st	
13	1801193-SP	Stabilizer,pump-tube,HA	
15	4000053-SP	Nut,hex,5/16-24,jam,c/z,100pcs	
16	1801517-SP	Disc,pump,2-oz,HA-s/m/l	
20	4222100-SP	Piston rod,assy,2-oz,US	
21	4223110-SP	Piston,teflon,1-oz,US,set,3pcs	
	4223110X-SP	Piston,teflon,1-oz,US.set100pc	
22	4224110-SP	Spacer,piston,1-oz,US,set,4pcs	
23	4000052-SP	Washer,fiber,3/16x1/2 100pcs	
26	4228100-SP	Gasket,pumptube,1-oz,set,10pcs	
27	1801315-SP	Ring,adaptor,2-oz to 1-oz	
28	1801187-SP	Adaptor,pump-tube,2-oz,HA	
29	1860078-SP	O-ring,Set 10st,vit,31.47x1.78	
30	1002621-SP	Cap pump w/screws,FA80/192	
31	4000054-SP	Screw,set,#8-32x3/16,100pcs	
32	4225210-SP	Bushing,pump tube,2-oz,US	
33	4600388-SP	Piston rod,tetraf.2-oz,US.ASSY	pos.33,36,37
34	4224210-SP	Spacer,piston,2-oz,US,set,4pcs	
35	4223210-SP	Piston,teflon,2-oz,US,set,3pcs	
36	4600387-SP	Seal,tetrefluor,2-oz,US	
38	4221210-SP	Pump,tube,only,2-oz,US	
39	4228202-SP	Gasket,pumptube,2-oz,set,10pcs	
40	1362020-SP	Nut,piston rod,5-oz pump	
42	1362040-SP	Cap,pumptube,5-oz,US,FA192	
43	1362060-SP	Bushing,pumptube,5-oz,US,FA/HA	
44	1803413-SP	Piston rod,only,5-oz,HA-S/M	
45	4224511-SP	Spacer,piston,5-oz,US,set,4pcs	
46	4223510-SP	Piston,teflon,5-oz,US,set,4pcs	
	4223510X-SP	Piston,teflon,5-oz,set,100 pcs	
47	4225100-SP	Pump,tube,only,5-oz,US	
48	4228502-SP	Gasket,pumptube,5-oz,set,10pcs	
49	1801190-SP	Adaptor,pump-tube,5-oz,HA	

# Page 2654 - Turntable,motor,unit



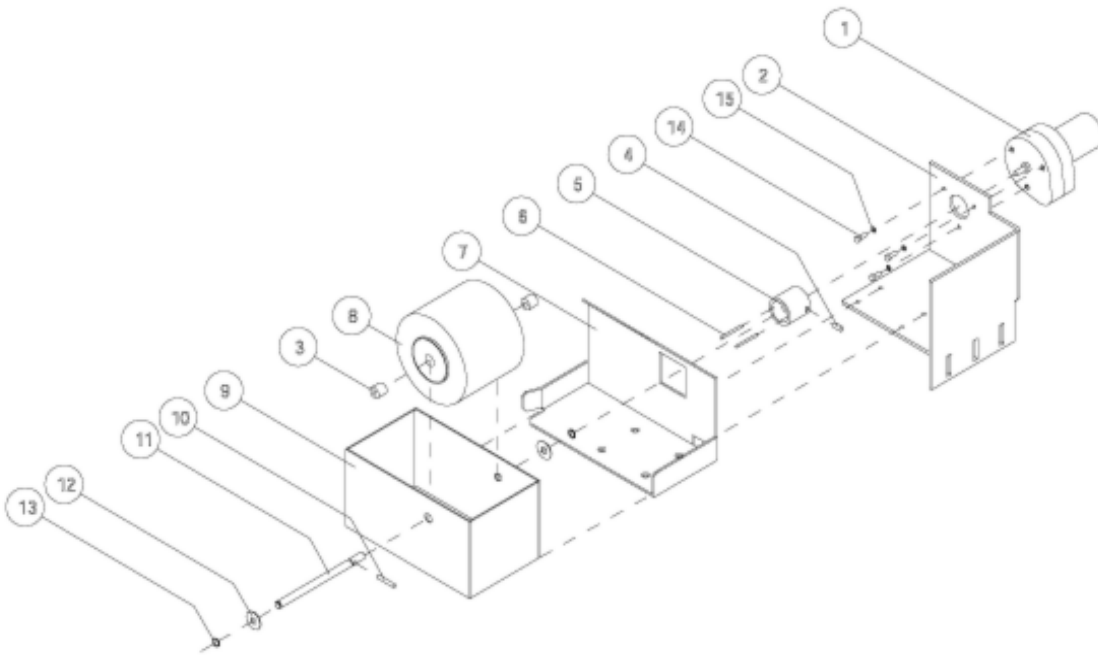
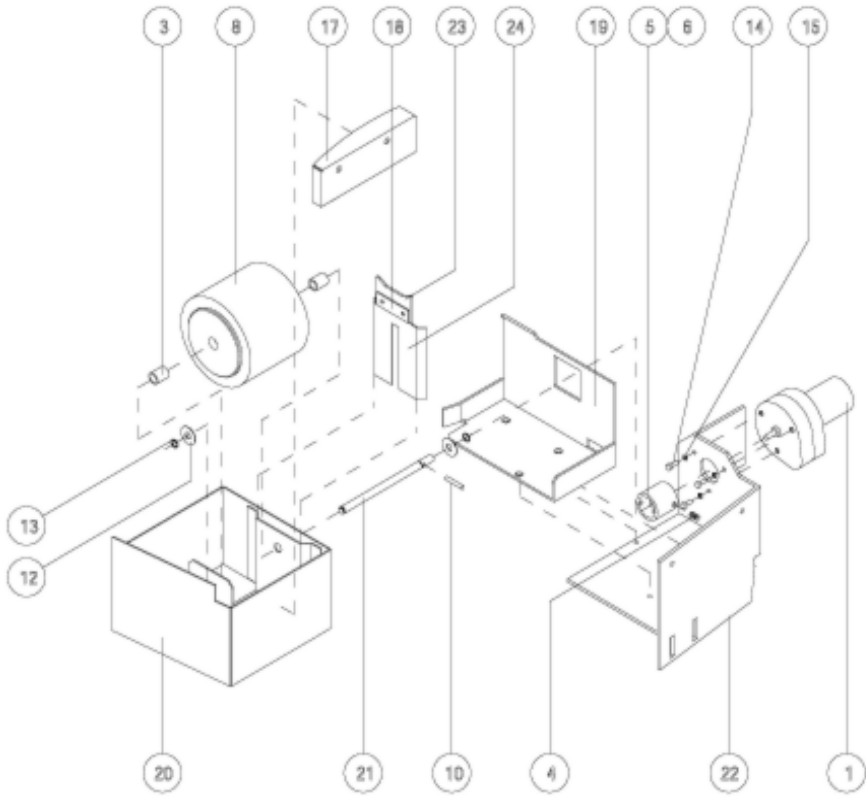
<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
01	1860381-SP	Pulley, timing+belt, HA-M, set	pos. 1, 2
07	1850099-SP	screw M4x16 DIN912 set 100pcs	
08	1850110-SP	washer M4 DIN125A set 100 pcs	
	1860383-SP	Motor unit, turntable, HA-s	pos. 1-11 + pos. 27 <a href="#">Page 2650</a>
	1860076-SP	Motor, table, 80.805.5 AF, HAS/M	pos. 4, 7, 8, 11
	1860382-SP	Pulley, timing+belt, HA-S, set	pos. 1 + pos. 27 <a href="#">Page 2650</a>

# Page 2655 - Crank,assy



<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
04	1850121-SP	Screw M4x12 so,hex,set 100 pcs	
06	1120230-SP	bearing,ball,6001 ZZ	
07	1801801-SP	Turntable,16C(1),HA-s	
09	1861018-SP	Bearing & housing+disk,assy,HA	pos.20-22
12	1801677-SP	Disk,excentric,agitation,crank	
16	1152040-SP	Pin,dowel,nra f3x19,8 set25pcs	
17	1160170-SP	bearing,ball,6005 ZZ	
21	1860635-SP	Bearing,75x95x10,61815ZZ	
22	1805489-SP	Disc,excentric,agit.crank,Ha-l	
23	1807189-SP	Housing,agit.crank+disk,HA-m/l	
25	1807193-SP	Plate,agit(1a),HA-s	
	1801673-SP	Shaft,central,agit.crank,HAs/m	pos.12,14-18
	1805500-SP	Housing,bearing,agit.pl.,HA-l	
	1860703-SP	Crank,assy,HA-l	pos.1,3,13-15,17,19-32

# Page 2656 - Brush,set,with,motor



<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
01	1160040-SP	Motor,brush,12V,27rpm,82869038	pos. 1,14,15
03	1113060-SP	Bearing,needle,HF 0612B	
05	1801842-SP	Fork,container,brush,HA	pos. 4,5,6(2x)
06	1130161-SP	pin,dowel,f2x20mm,Sst,25pcs	
10	4000063-SP	Pin,spirol,1/8"x3/4"set,100pcs	
12	4223110-SP	Piston,teflon,1-oz,US,set,3pcs	
	4223110X-SP	Piston,teflon,1-oz.US.set100pc	
13	1850462-SP	Chuck,f5,retainer,DIN6799	
15	1850055-SP	washer M3 DIN127 set 100pcs	
17	1804226-SP	Fender,brush,HA-s	
20	1804229-SP	Container,brush,HA-s	
21	1803860-SP	Shaft,container,brush,HA-s/m	
	1801952-SP	Container,w/bruch C=60,HA-S	pos.3(2x),8-13
	1801954-SP	Holder w/motor,n. cl.,HA-S	pos.1,2,4-7,14 & 15
	1113027-SP	Brush,w.bearings(L=72 C=60)	pos.3 & 8
	1804167-SP	Nozzle wiper	pos.18,23 & 24
	1804256-SP	Container,n.cl,w/brush,HA-s	pos.1-15
	1801947-SP	Brush,set,w/motor,S,br,HA-s/m	pos.1,4,5,6,14,15,19 & 22
	1804258-SP	Brush,set,w/motor&fender,HA-s	pos.1,3-6,8,10,14,15,19-22



<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
10	1120220-SP	bearing,ball,608 ZZ	
12	1860372-SP	Brush,carbon,coll.,HA,set,2pcs	
25	1860364-SP	Switch,micro,SS-5GL13,HA-punch	
32	1804798-SP	Blade,24mm,punch system,el HA	
	1807511-SP	Punchblade 30mm	
33	1808841-SP	Holder,cap II,elek.HAs/m/I	
36	1180280-SP	Cap,24mm,plastic,set,800pcs	
37	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs	
	1803582-SP	Punch/cap system assy,elec,HA	pos.1-31,34,35
	1860423-SP	Collector assy,elec.punch,HA	pos.11,12 & 13



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<i>ITEM</i>	<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>REMARKS</i>
01	1180011-SP	handle,large,punch,FA-I/HA-m	
02	1180020-SP	Pin,spirol,f8*30,100 PCS	
19	1860566-SP	Diode,bridge,15A,Eurobase,Blen	
21	1602709-SP	Switch,micro	
25	1860671-SP	Solenoid,Door,Switch,SO40/SX40	
29	1808000-SP	SPC set lever man.punch HA-M2	
41	1850099-SP	screw M4x16 DIN912 set 100pcs	
52	1804798-SP	Blade,24mm,punch system,el.,HA	
	1807511-SP	Punchblade 30mm	

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