



SPARE PARTS BOOK

HA680



v. 18-03-2026

INDEX

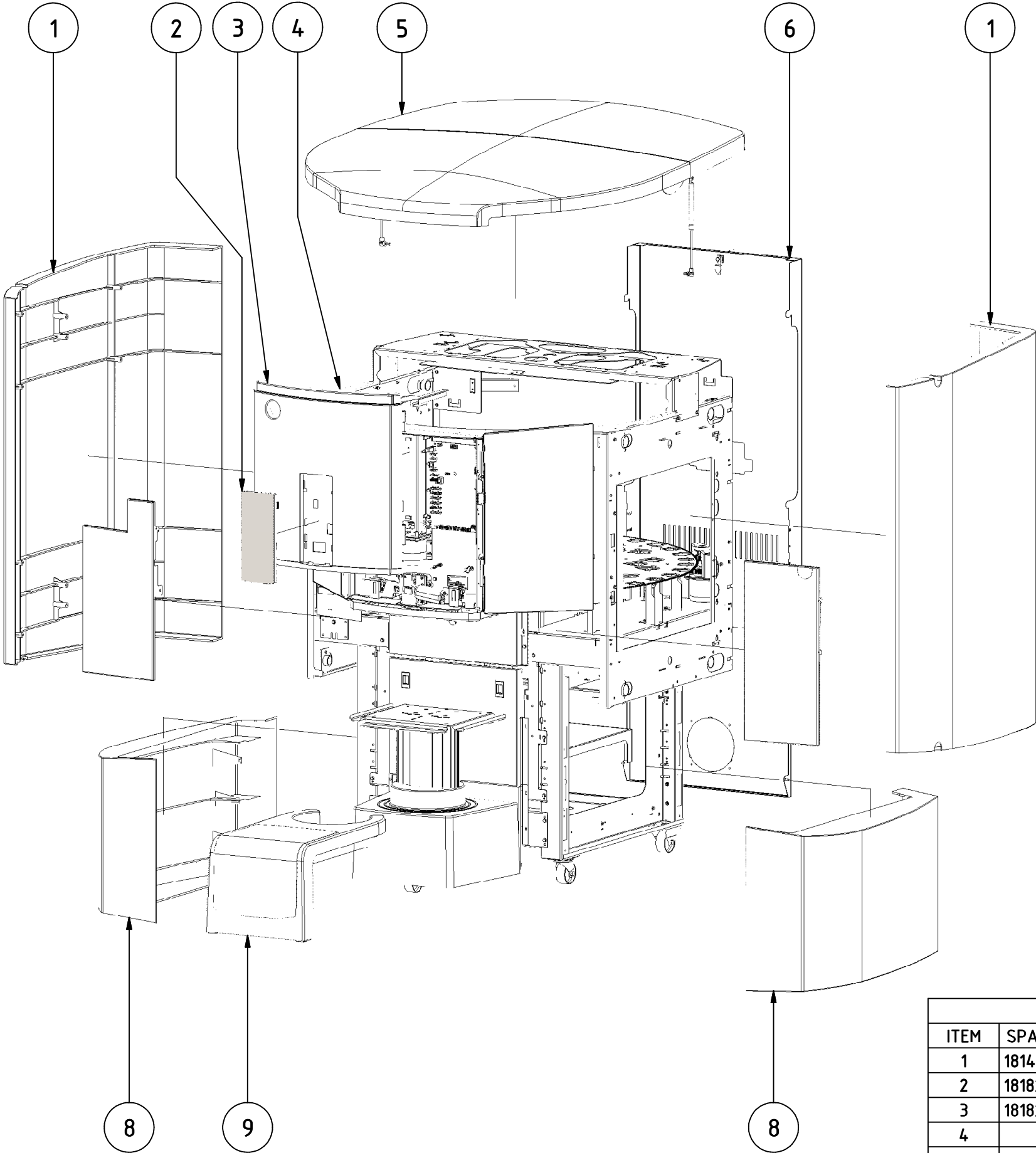
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7300

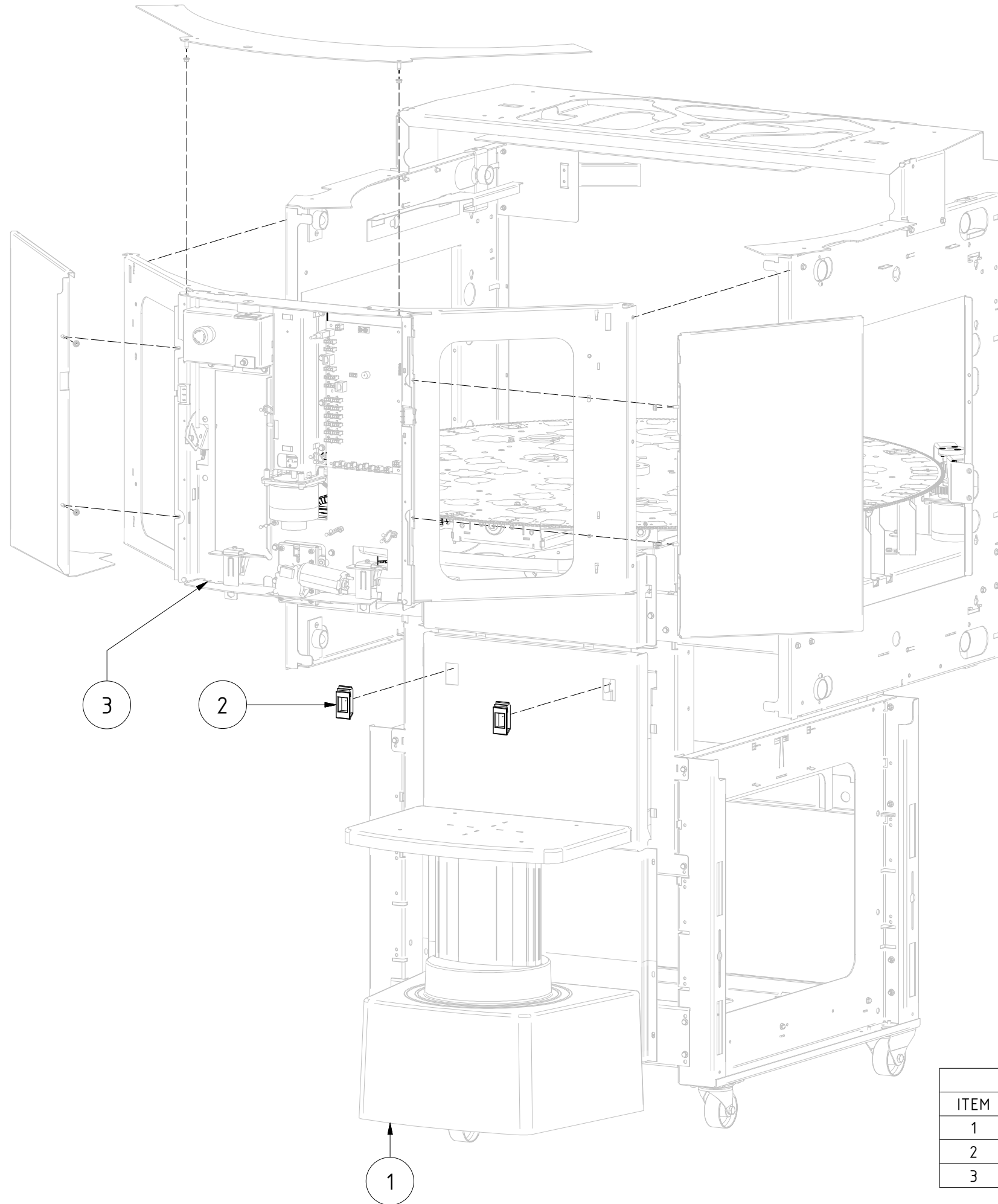
Panels



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1814593-D-SP	Panel,side,top,HA650,RAL7016	
2	1818275-SP	Operator display complete	Page 7305
3	1818271-SP	Door panel, RAL7016	
4		Top frame parts	Page 7301
5		Top panels	Page 7302
6		Back panel	Page 7304
8	1814594-SP	panel,bot.RL,HA650	
9	1864480-SP	Step,HA	

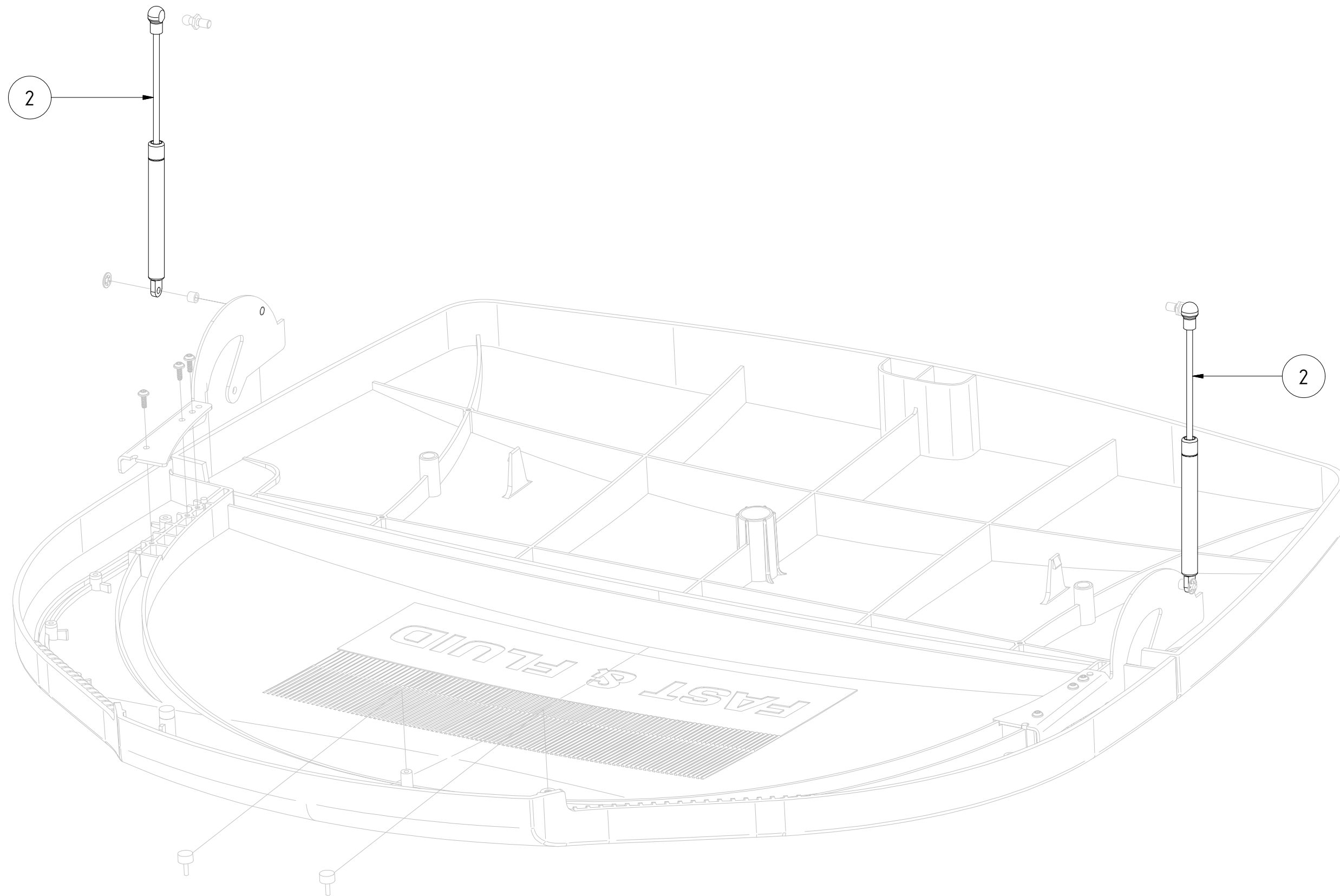
7301

Top frame parts



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1		Frame	Page 7310
2	1862332-SP	Latch,slide,40-525, 2 pcs	
3		Mechanica	Page 7320

7302 Top panel



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
2	1864203-SP	Gas-spring,100N,023689	

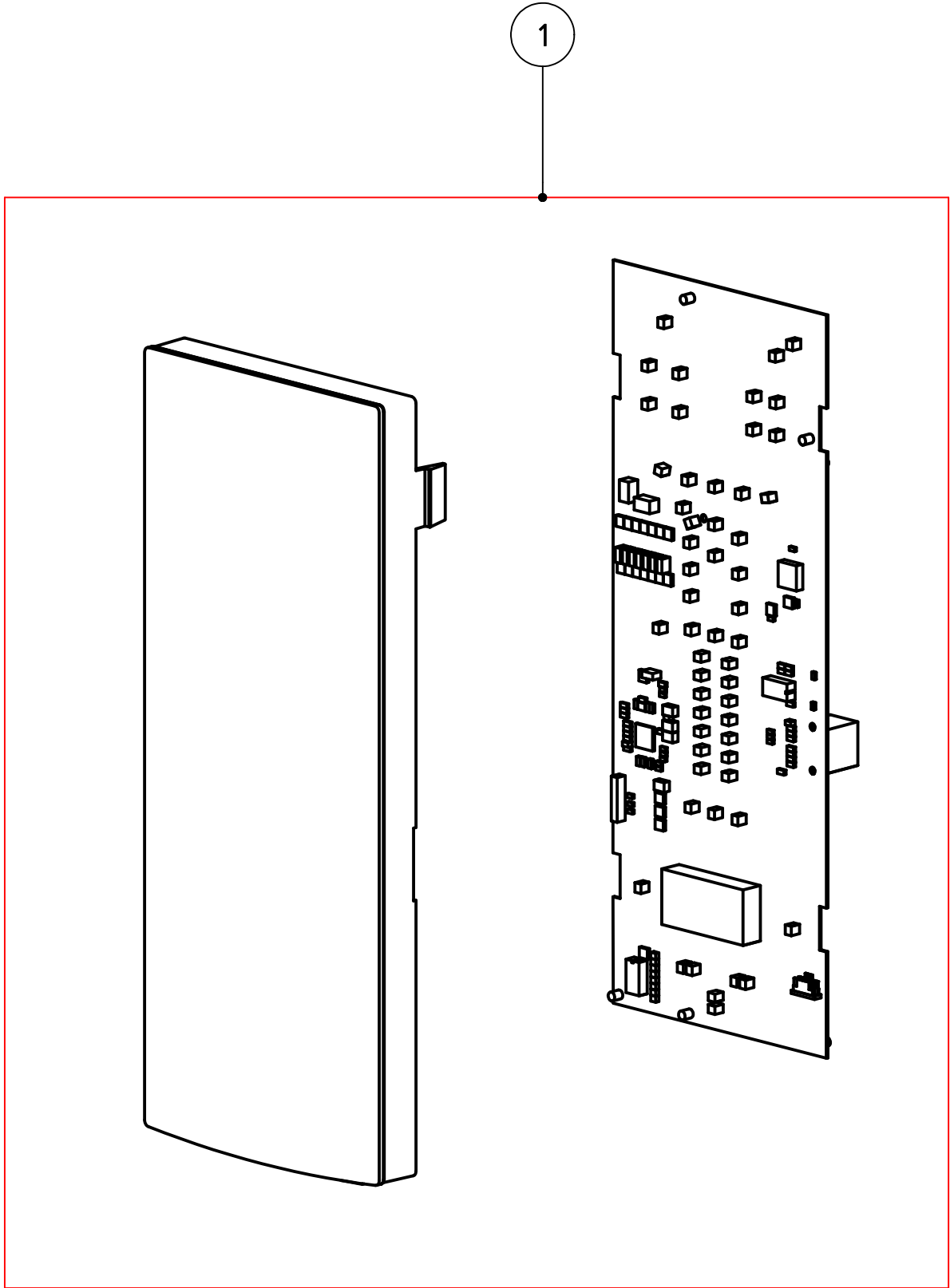
7304

Back panel



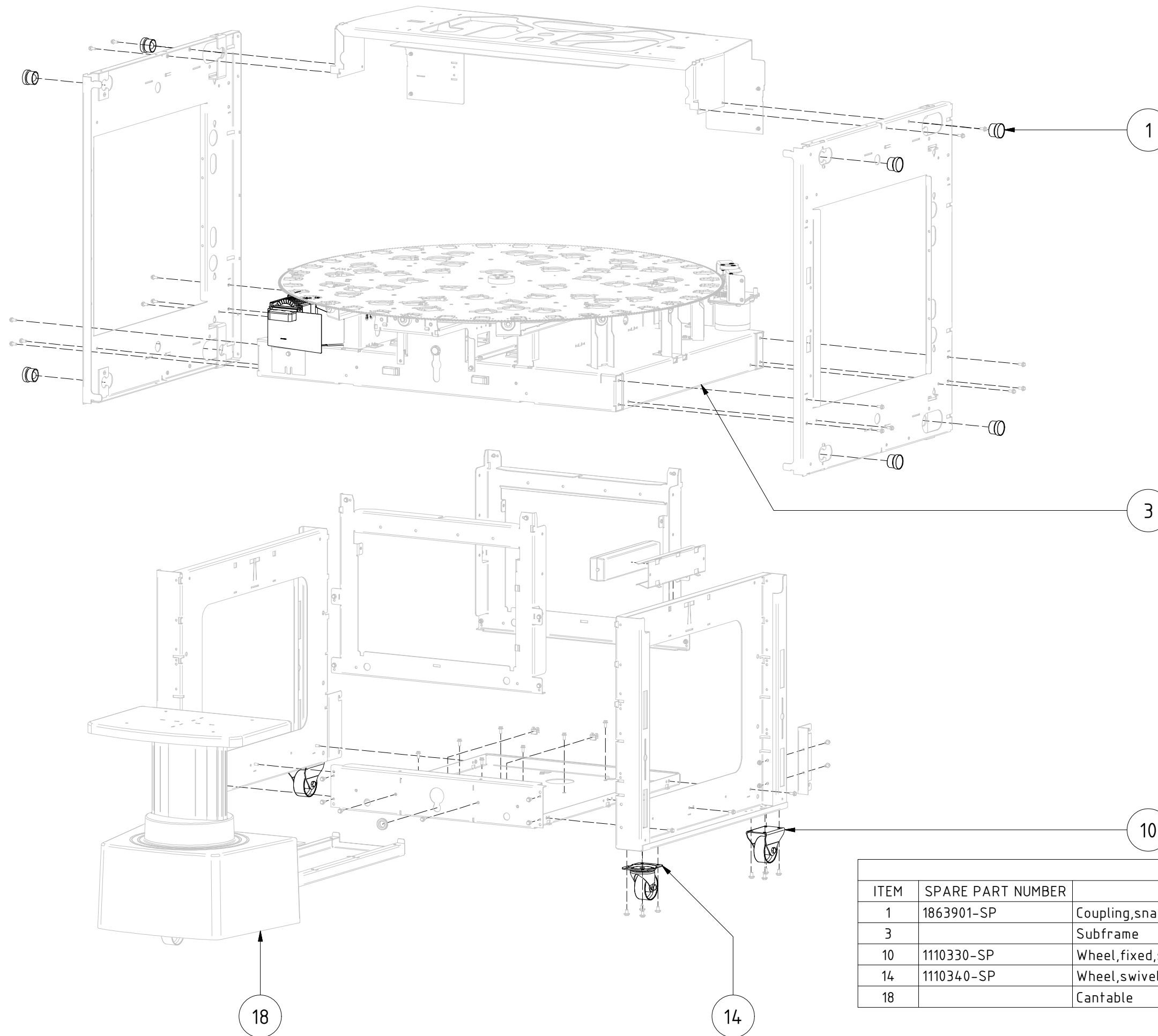
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1862860-SP	Quad,panel,latche	
2	1111010-SP	Key,triangle	

7305-B Operator display 1820239-SP



PARTS LIST				
ITEM	PART NUMBER	DESCRIPTION	REMARKS	QTY
1	1820239-SP	Operator,Display,Module,V2		1

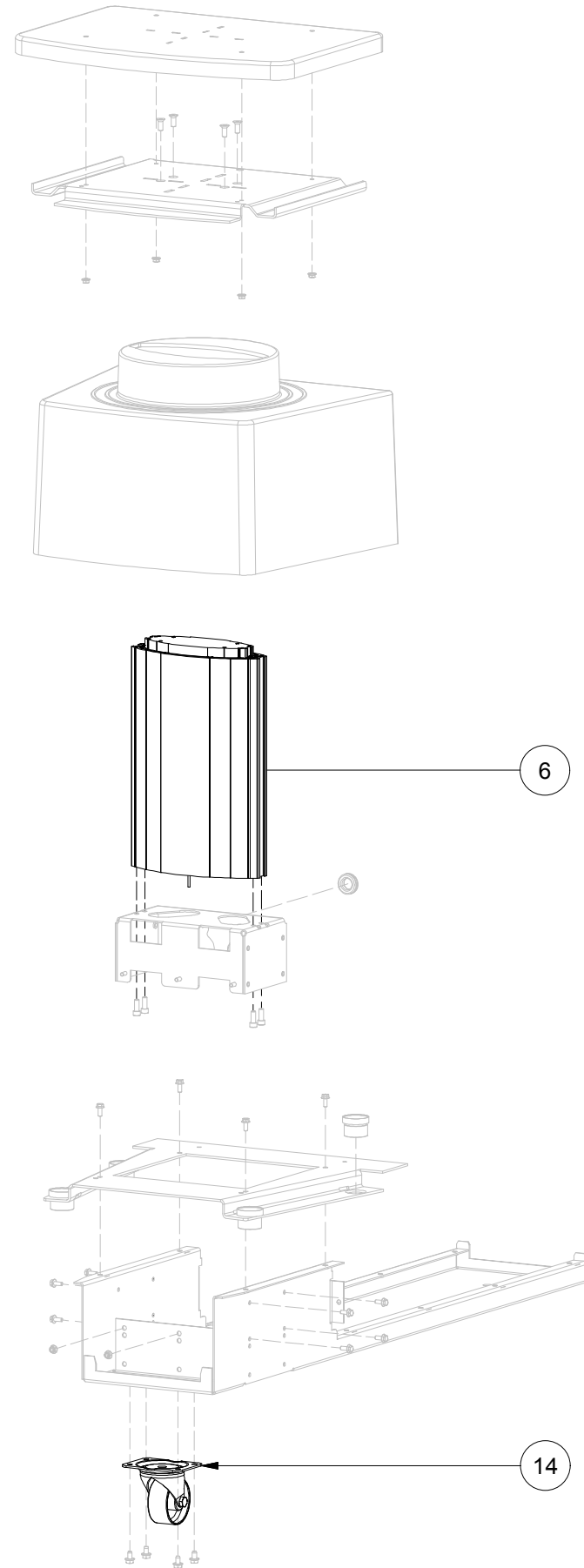
7310 Frame



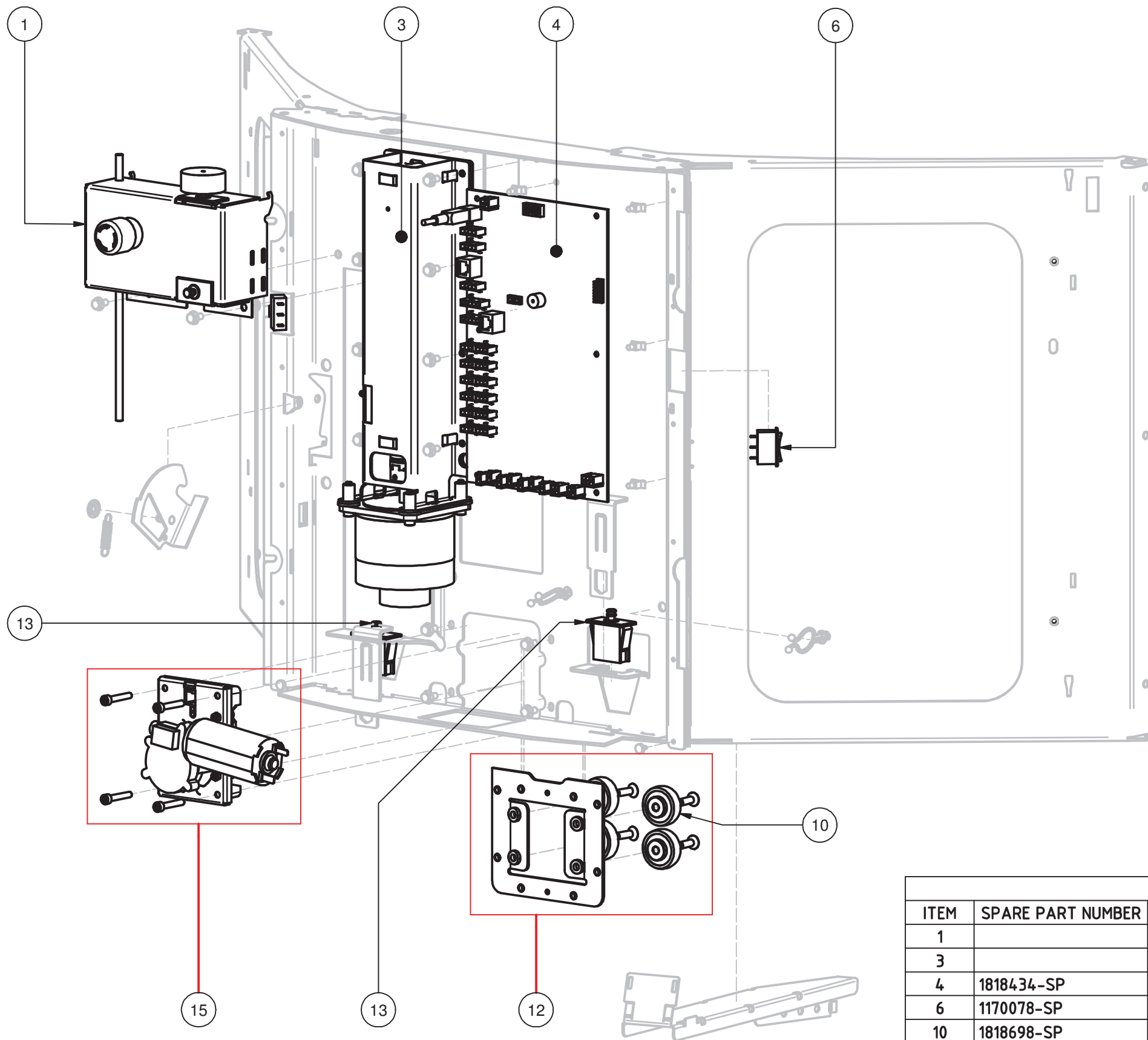
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1863901-SP	Coupling,snaplock,Ø15,black,4x	
3		Subframe	Page 7330
10	1110330-SP	Wheel,fixed,set 2 pcs	
14	1110340-SP	Wheel,swiveling,set 4 pcs	
18		Cantable	Page 7313

7313

Can table



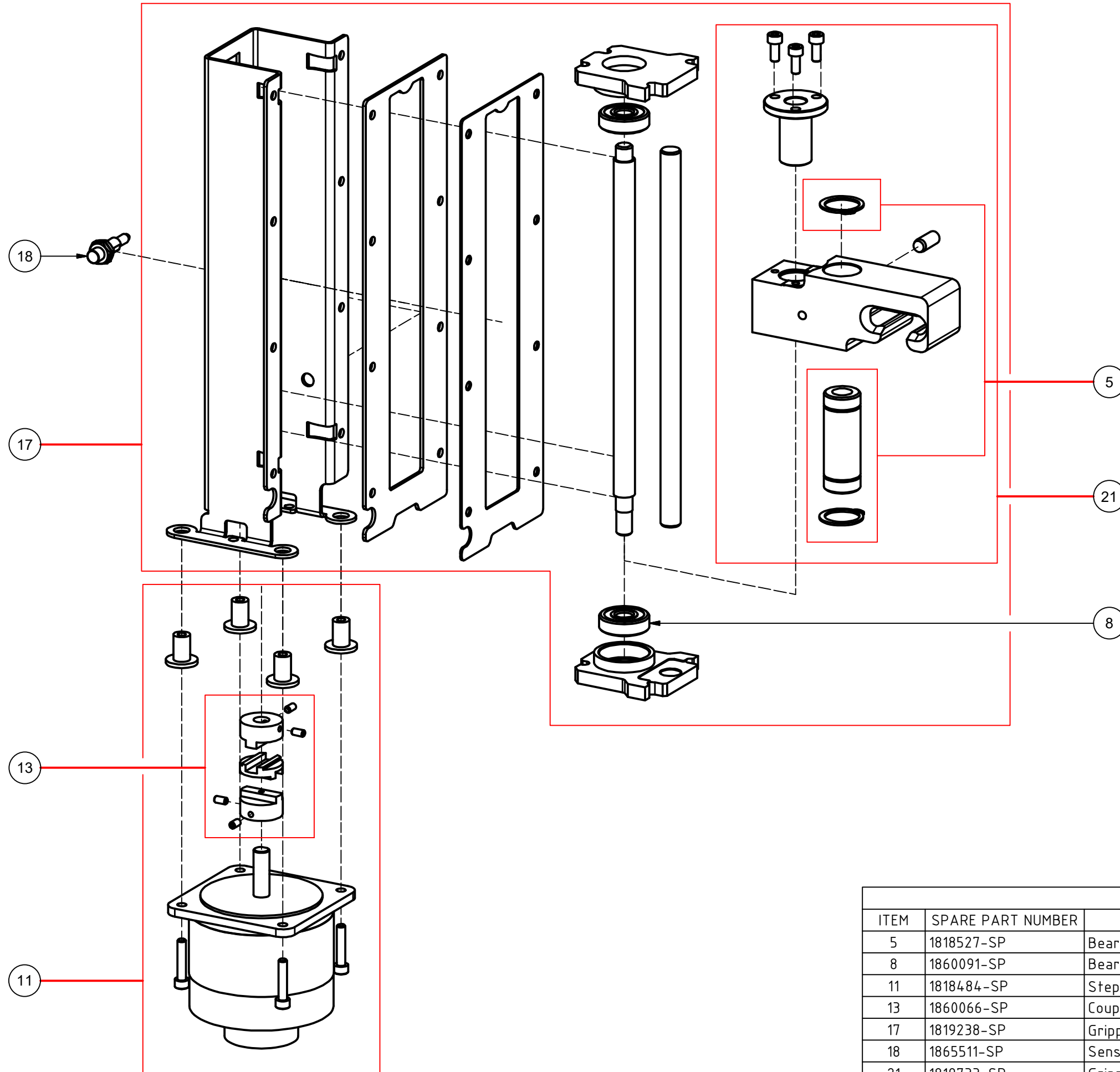
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
6	1865600-SP	Actuator cantable+ screws	
14	1110340-SP	Wheel,swiveling,set 4 pcs	



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1		Emergency switch	Page 7323
3		Gripper, spindle	Page 7321-A
4	1818434-SP	Controlboard, v5	
6	1170078-SP	Switch, up/down, single, 6A, 250V	
10	1818698-SP	Wheel, asymmetric, 35mm (set 4 pcs)	
12	1818497-SP	Bearings, turntable (set 1 pc)	
13	1812528-SP	Switch, D2D 1100	
15	1819175-SP	Valve unit compl. NGH (set 1 pc)	

7321-A Gripper, spindle

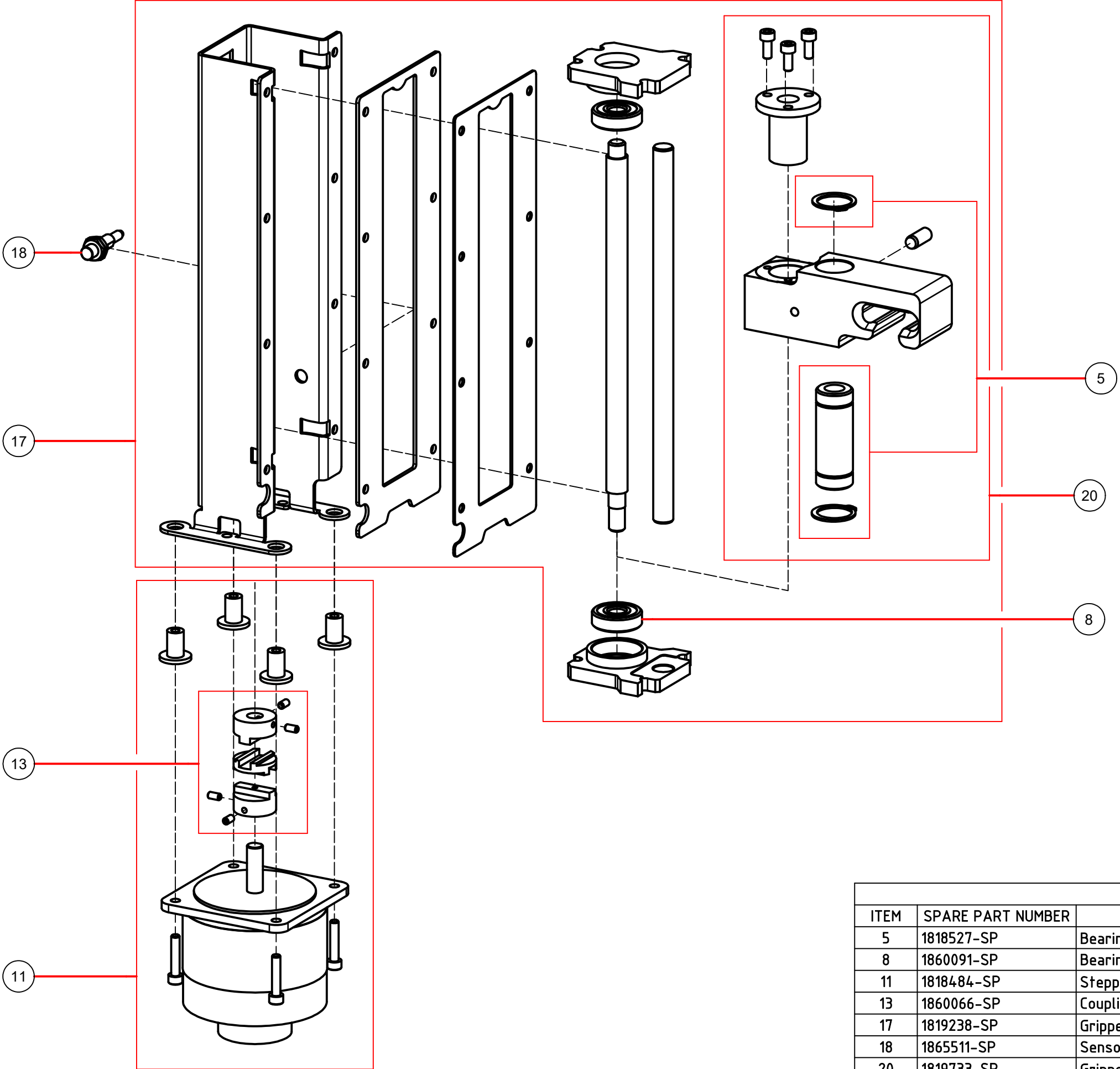
Up to W26 2018, S.N.1055332



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
5	1818527-SP	Bearing,gripper(set 1pc)	
8	1860091-SP	Bearing,ball,6200ZZ, set, 2pcs	
11	1818484-SP	Stepper,complete (set 1pc)	
13	1860066-SP	Coupling,Motor,Gripper,kit	
17	1819238-SP	Gripper,spindle, (set 1pc)	
18	1865511-SP	Sensor2/4/8,HA	Part of cable harness 1865744
21	1819733-SP	Gripper (set 1 pcs)	

7321-B Gripper,spindle

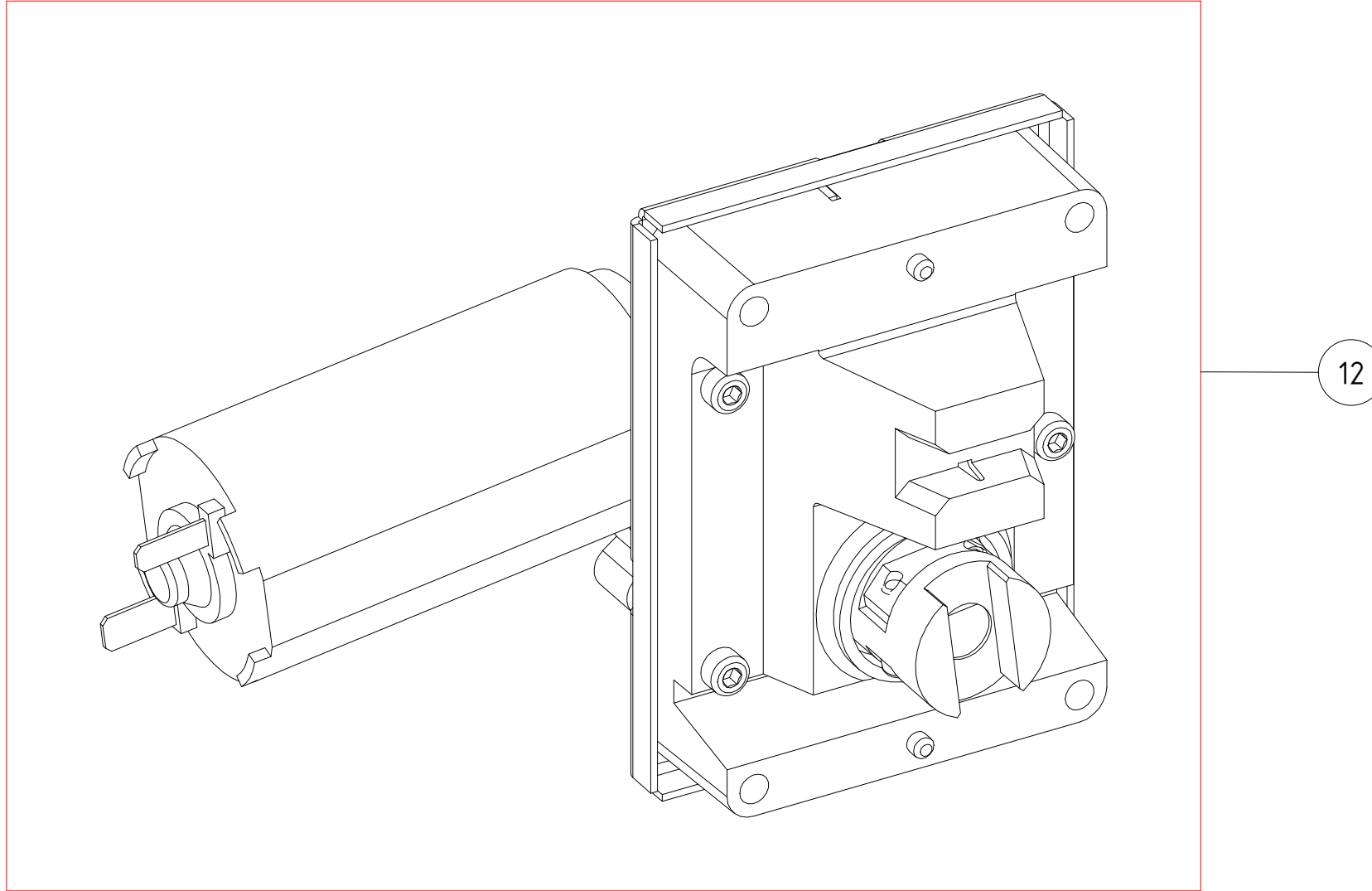
From W26 2018,S.N.1056073



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
5	1818527-SP	Bearing,gripper(set 1pc)	
8	1860091-SP	Bearing,ball,6200ZZ, set, 2pcs	
11	1818484-SP	Stepper,complete (set 1pc)	
13	1860066-SP	Coupling,Motor,Gripper,kit	
17	1819238-SP	Gripper,spindle, (set 1pc)	
18	1865511-SP	Sensor2/4/8,HA	Part of cable harness 1865744
20	1819733-SP	Gripper,spindle, (set 1pc)	

7322

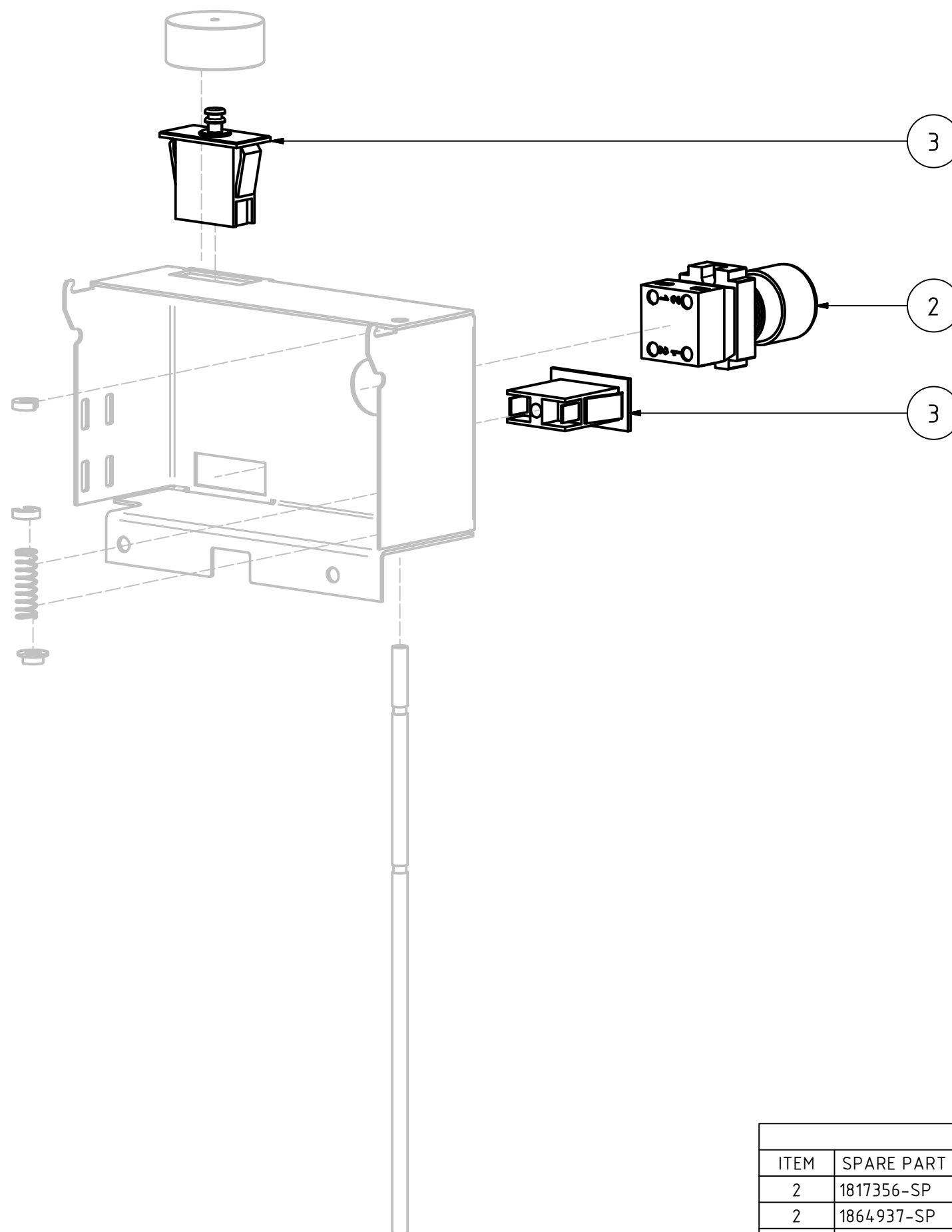
Valve motor unit 1819175 -SP



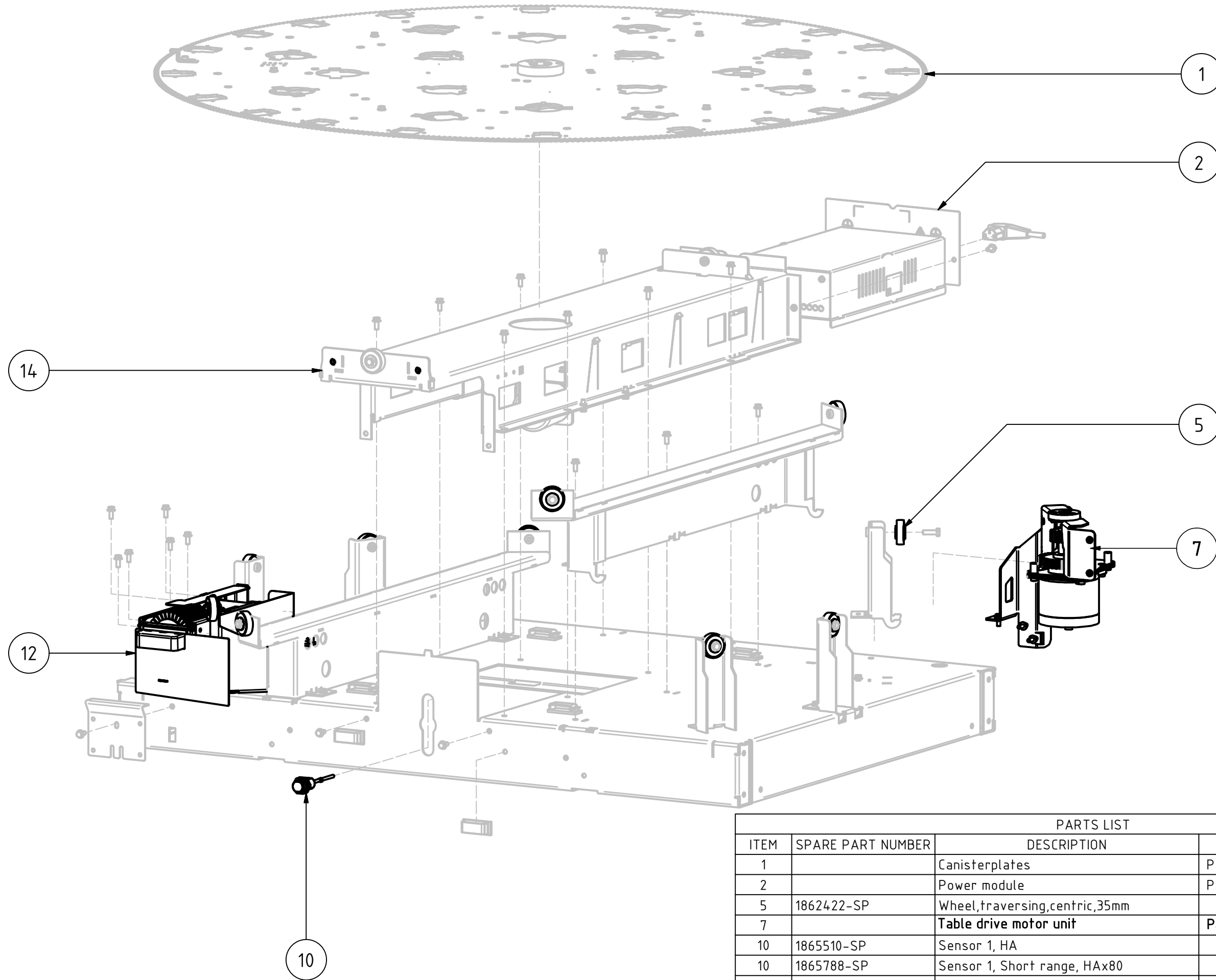
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
12	1819175-SP	Valve unit complete (set 1pc)	

7323

Emergency switch

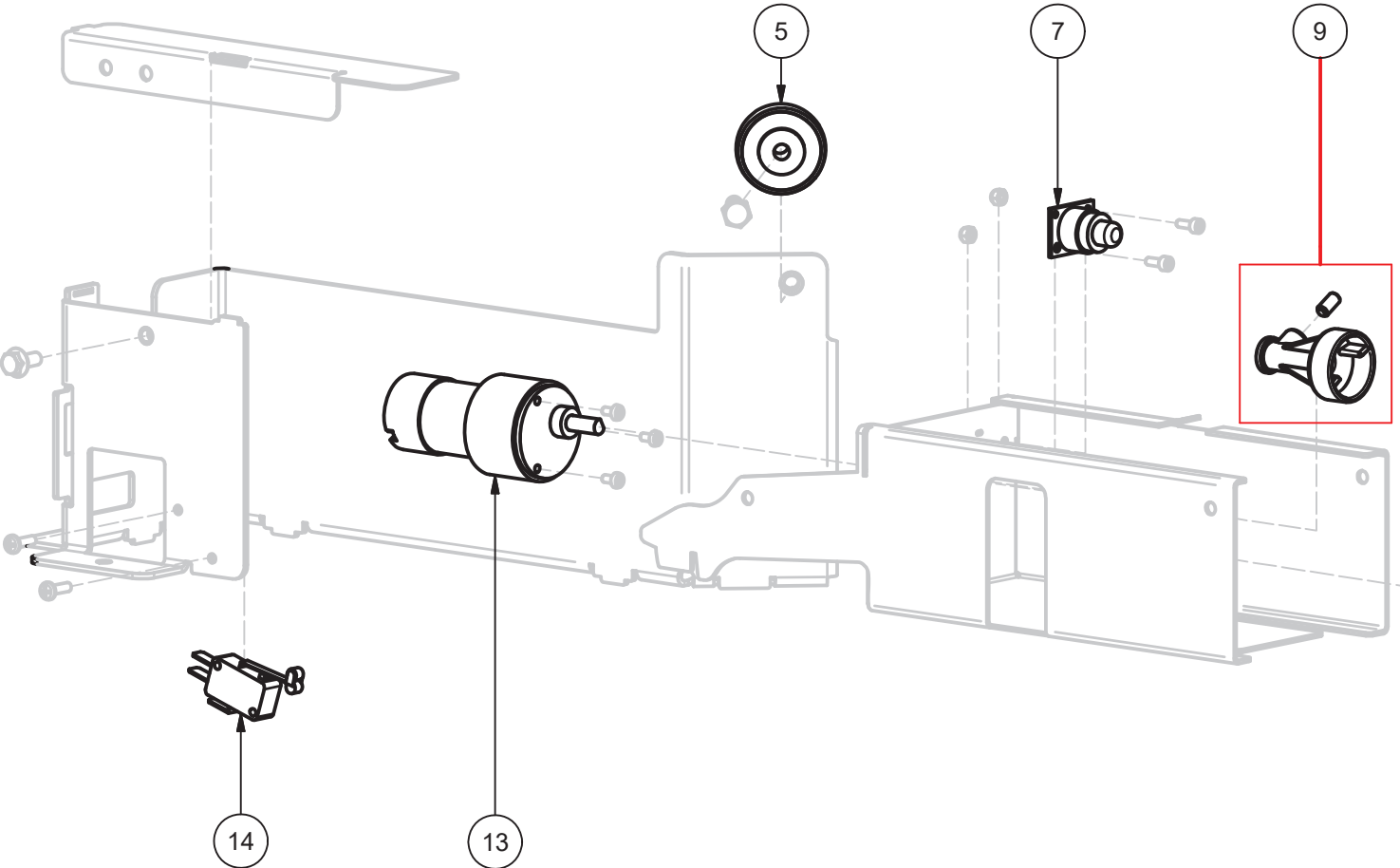
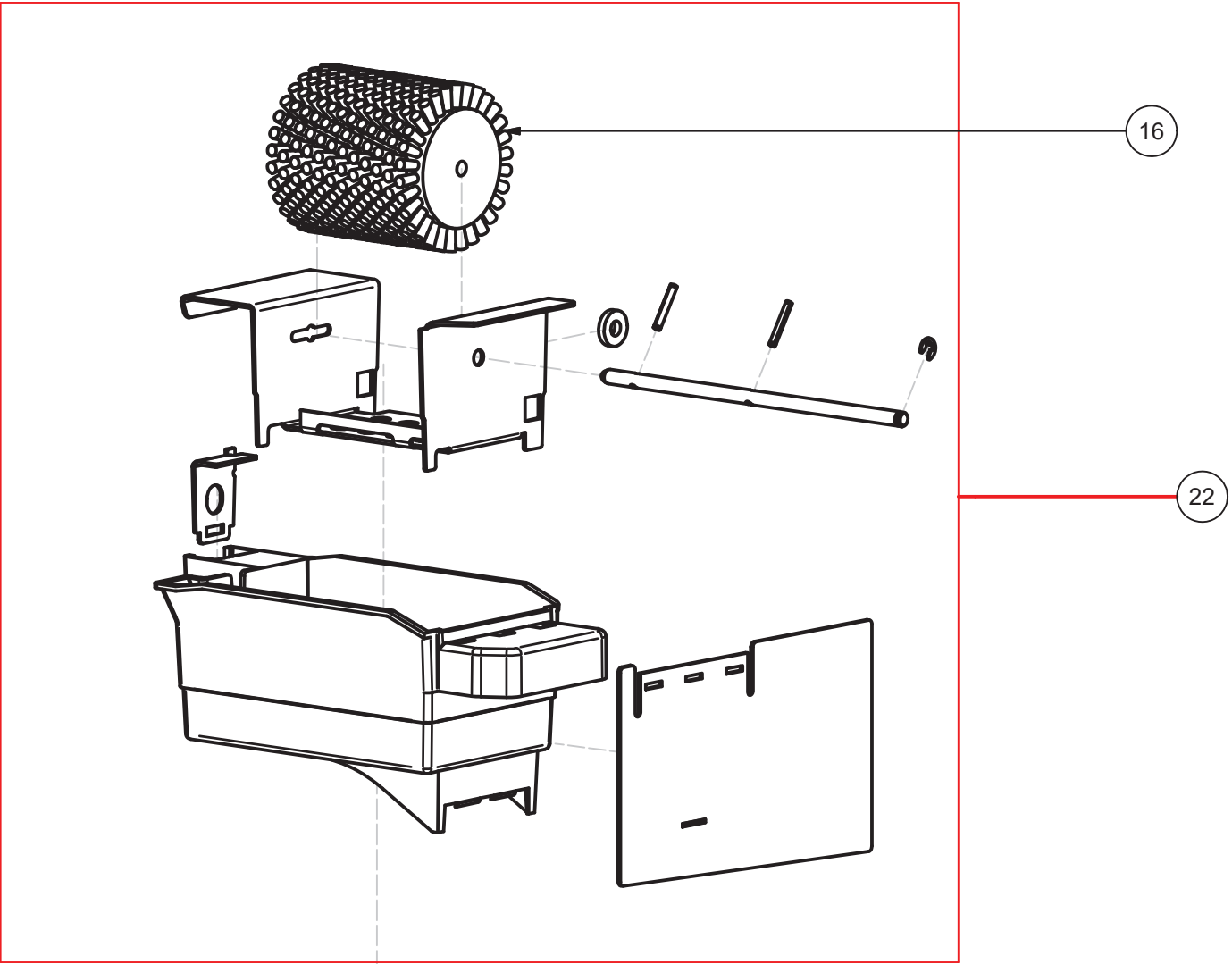


PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
2	1817356-SP	EM-switch,assembly	UL approved models only
2	1864937-SP	Emergency,switch,complete	Part of cable harness 1865743
3	1812528-SP	Switch,D2D 1100	Part of cable harness 1865743



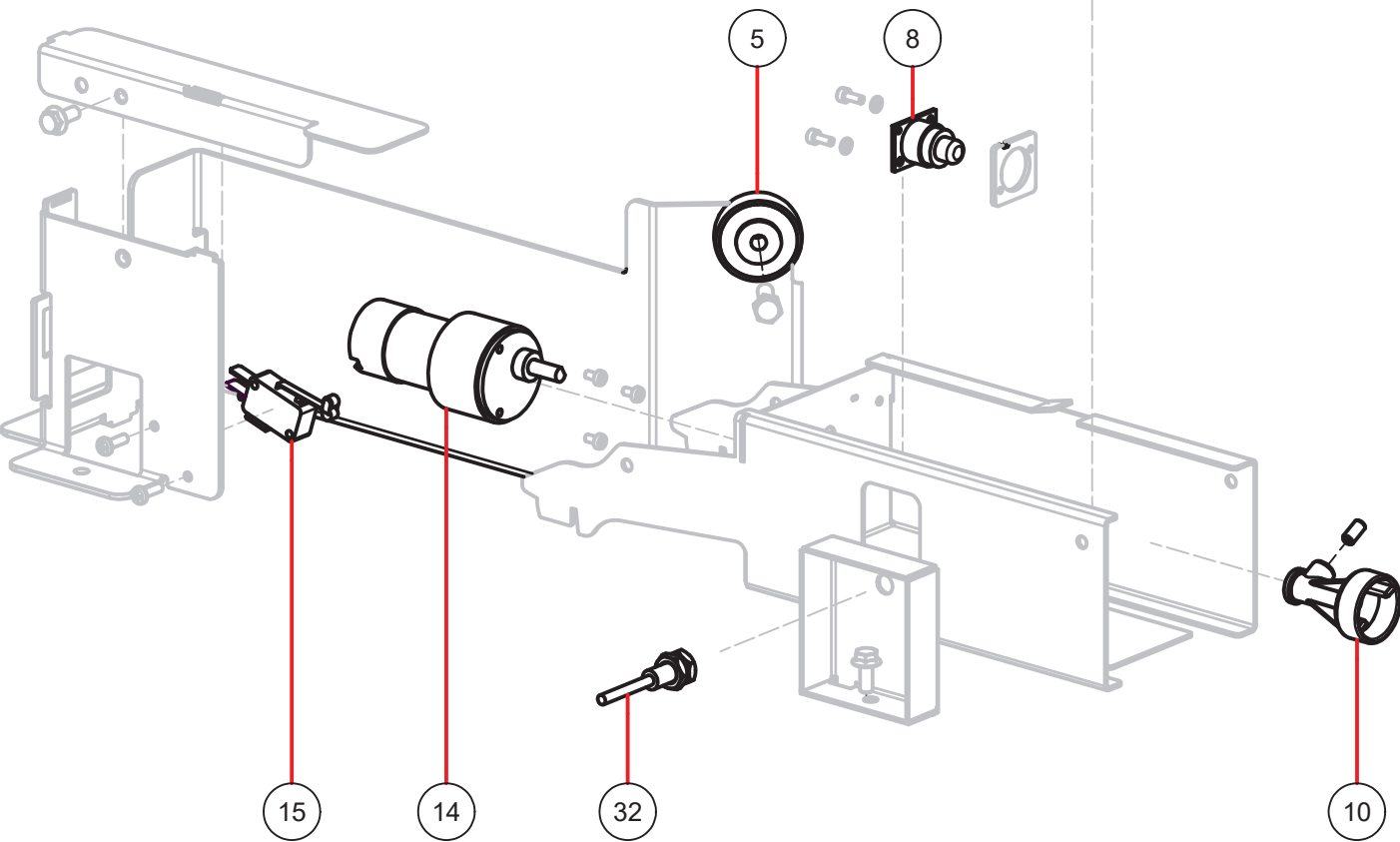
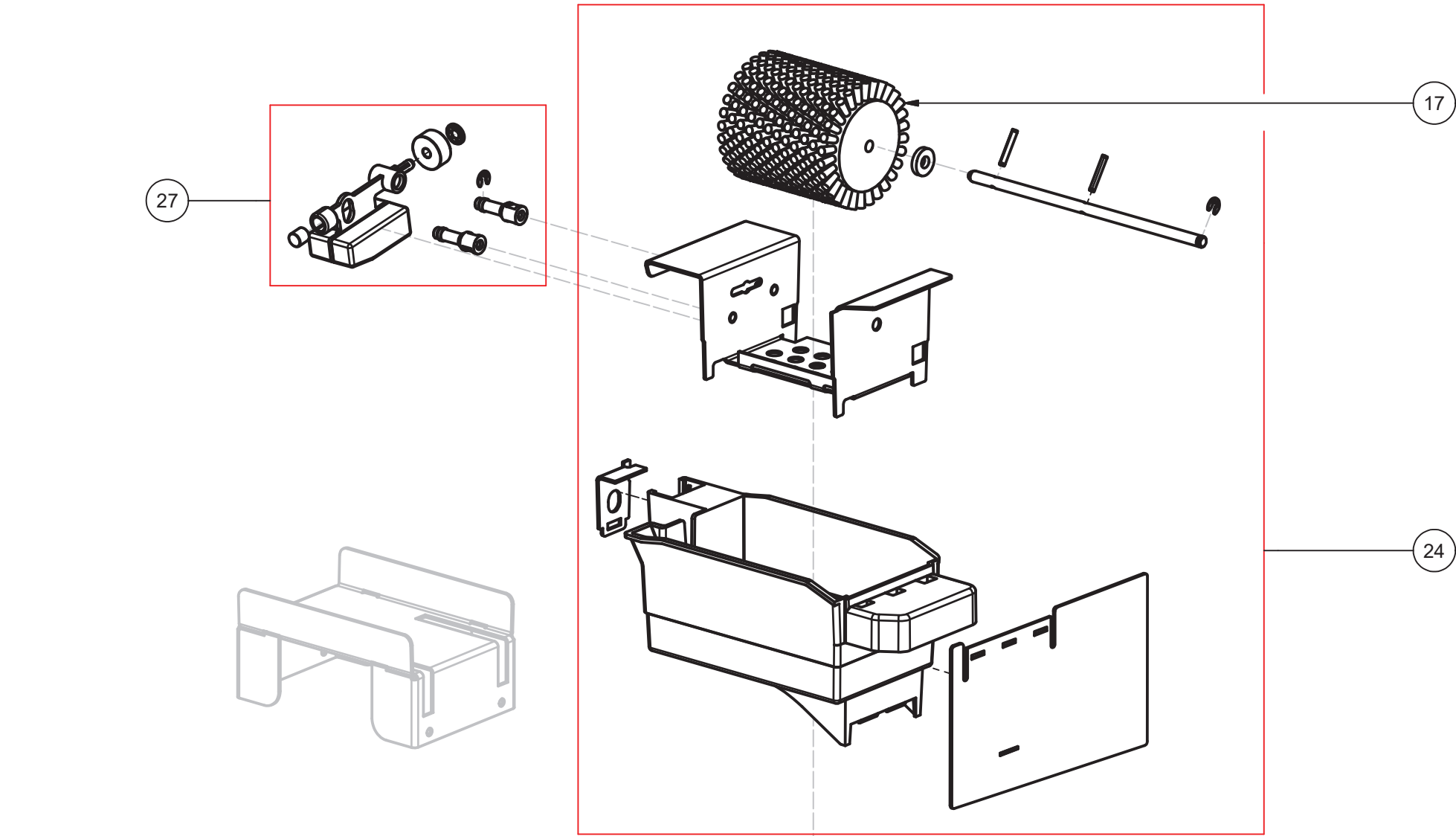
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1		Canisterplates	Page 7335
2		Power module	Page 7234-A
5	18624-22-SP	Wheel, traversing, centric, 35mm	
7		Table drive motor unit	Page 7332
10	1865510-SP	Sensor 1, HA	
10	1865788-SP	Sensor 1, Short range, HAx80	
14		Midbeam	Page 7333
12		Brush	Page 7331-B, for sample brush see & Page 7377

7331-A Brush



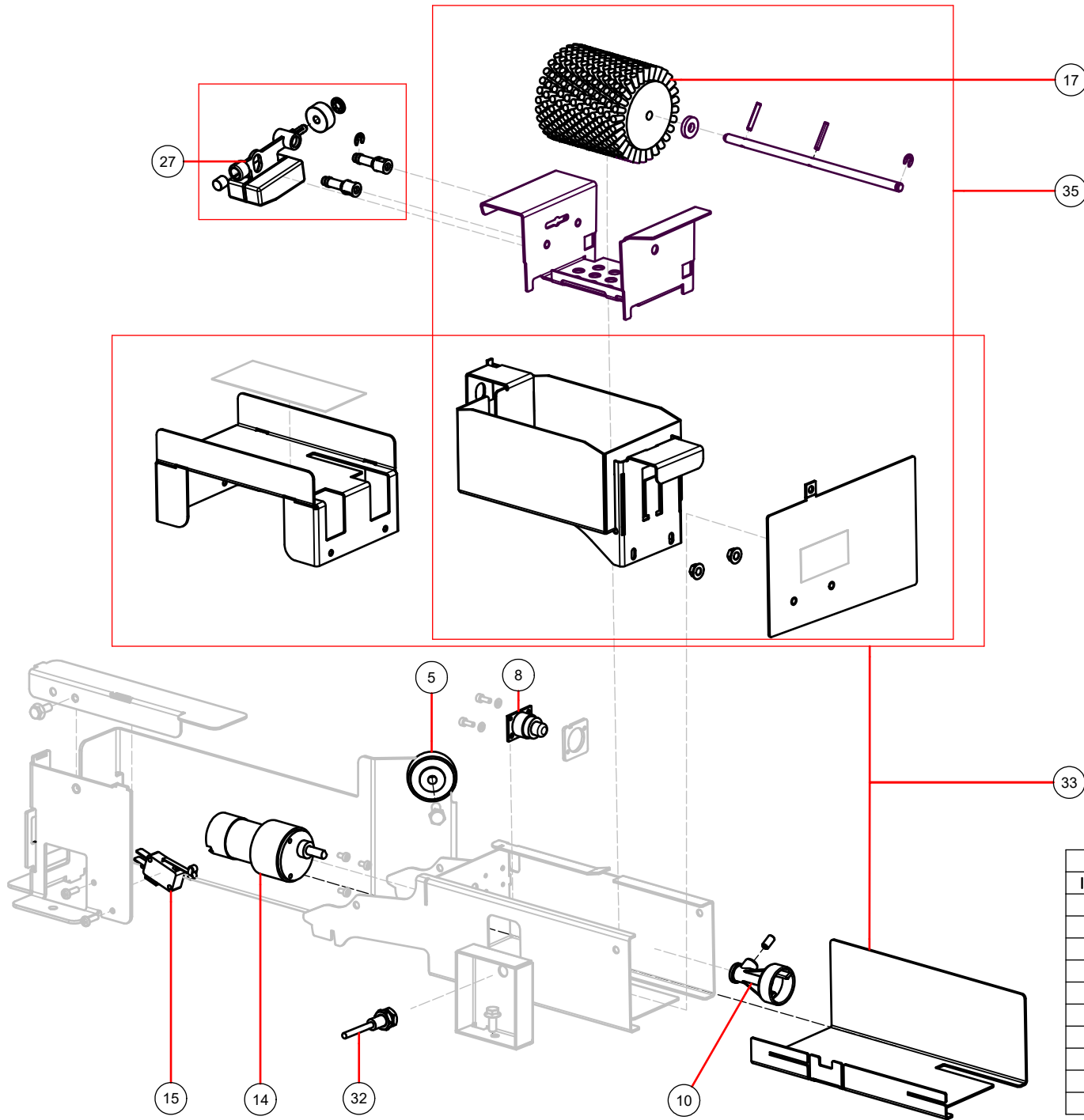
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
5	1862422-SP	Wheel, traversing, centric, 35mm	
7	1818541-SP	Latch, push-in/out	
9	1818735-SP	Coupling, fork, brush (set 1pc)	
13	1863862-SP	Motor micro, brush	
14	1160200-SP	Switch, micro, V-166-105(R)	
16	1814029-SP	Brush, D70x78.3	
22	1818932-SP	Brush, container, compl. (set 1pc)	

7331-B Brush



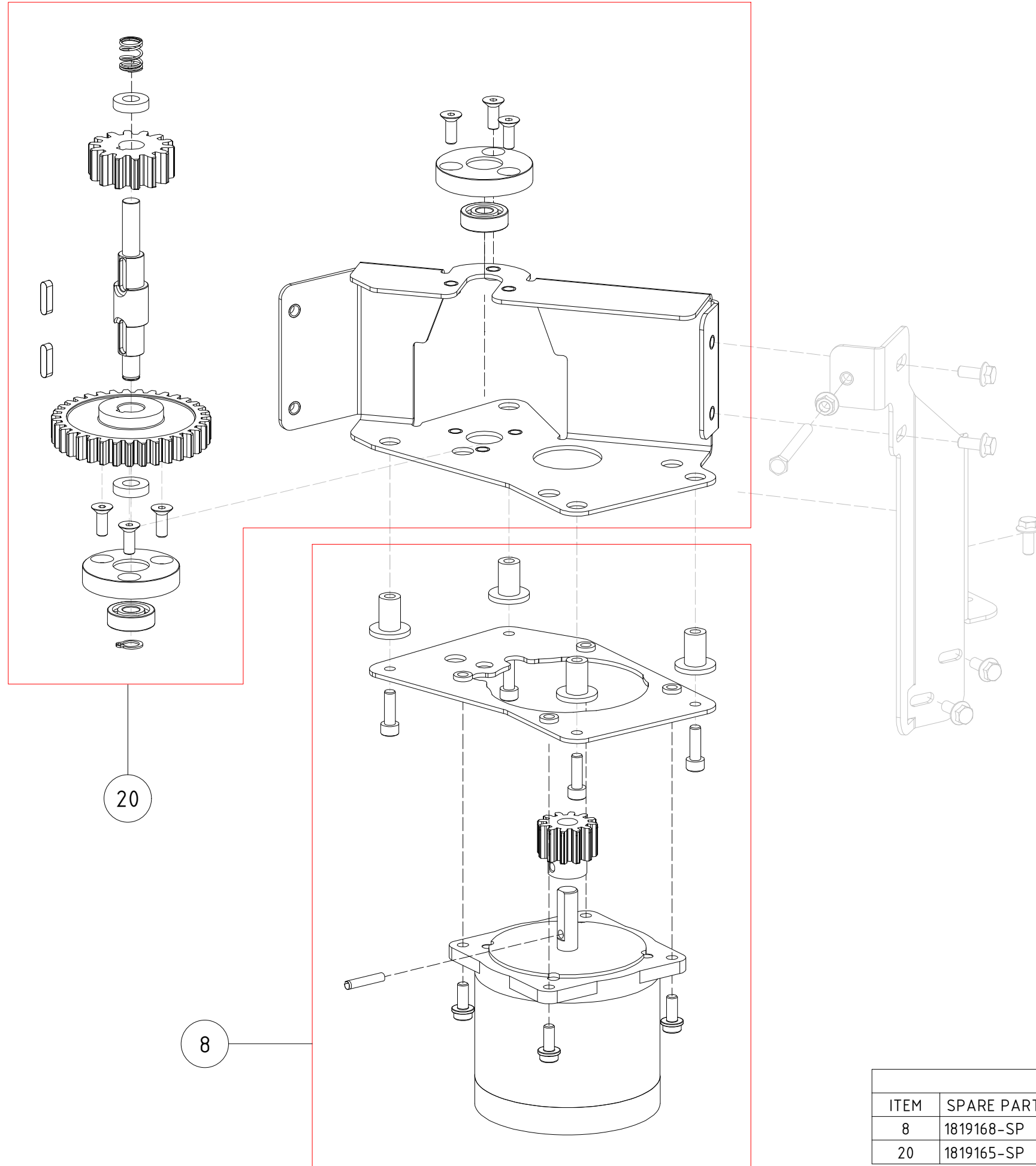
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
5	1862422-SP	Wheel, traversing, centric, 35mm	
8	1818541-SP	Latch, push-in/out	
10	1818735-SP	Coupling, fork, brush (set 1pc)	
14	1863862-SP	Motor micro, brush	
15	1160200-SP	Switch, micro, V-166-105(R)	
17	1814029-SP	Brush, D70x78.3	
24	1818932-SP	Brush, container, compl. (set 1pc)	
27	1819292-SP	Float, level, brush	
32	1865512-SP	Sensor 9, Brush monitor	

7331-C SST Brush



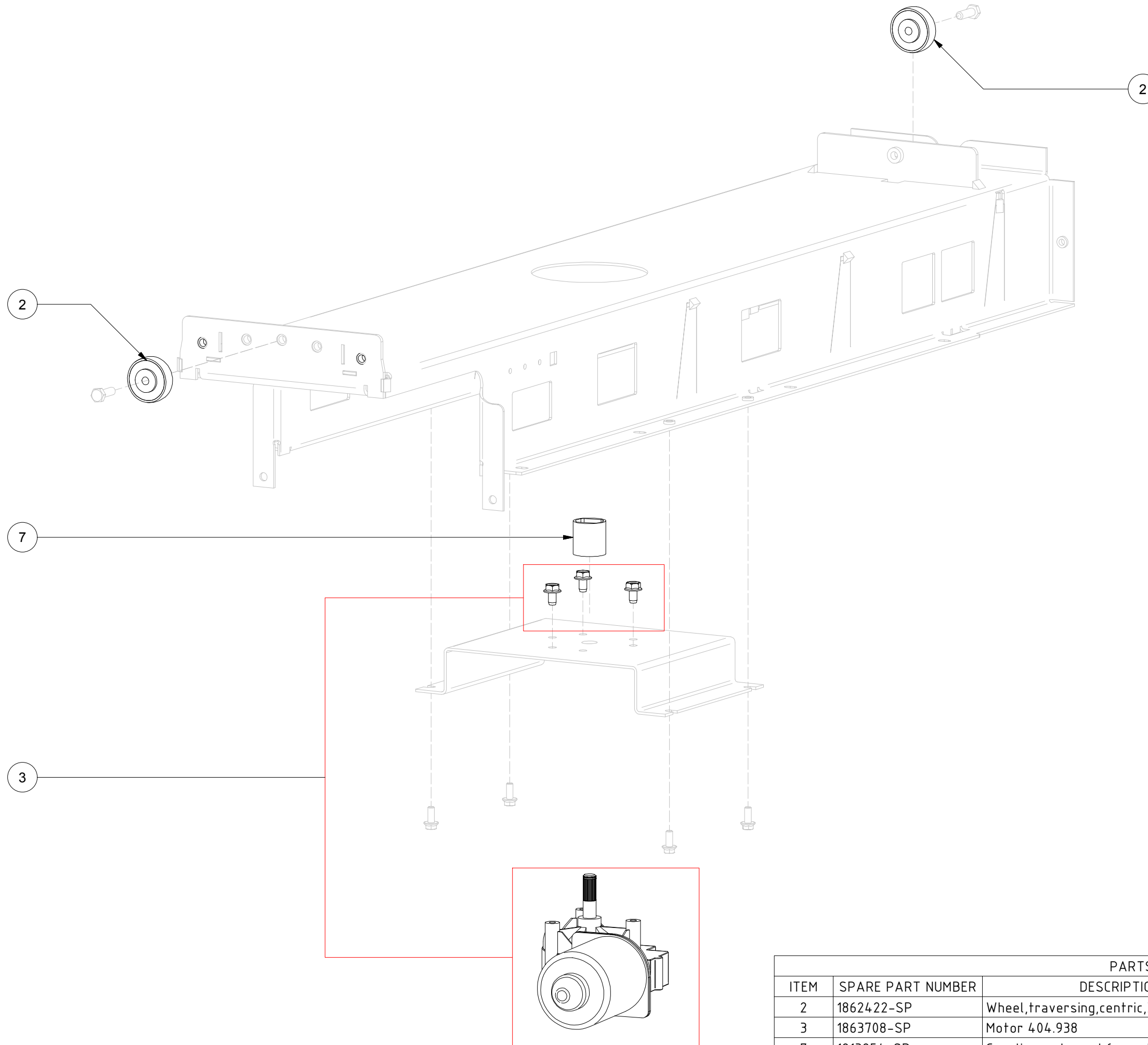
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
5	1862422-SP	Wheel, traversing, centric, 35mm	
8	1818541-SP	Latch, push-in/out	
10	1818735-SP	Coupling, fork, brush (set 1pc)	
14	1863862-SP	Motor micro, brush	
15	1160200-SP	Switch, micro, V-166-105(R)	
17	1814.029-SP	Brush, D70x78.3	
27	1819292-SP	Float, level, brush	
32	1865512-SP	Sensor 9, Brush monitor	
33	1865954-SP	Brush container SST, retrofit	
35	1866122-SP	Brush container SST, complete	

7332 Table drive motor unit



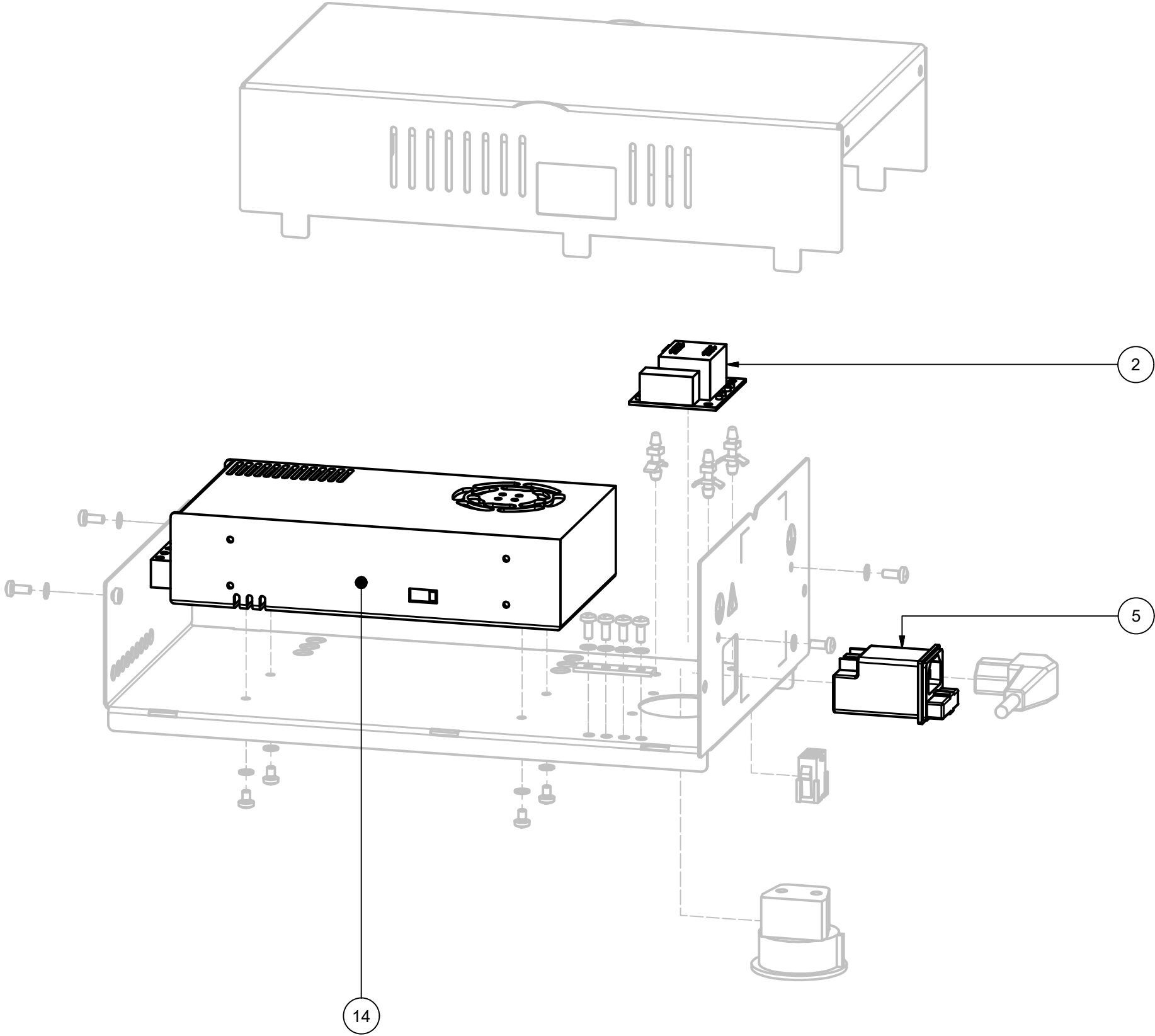
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
8	1819168-SP	Stepmotor,table drive,unit	
20	1819165-SP	Gear unit,table drive	

7333 Mid beam



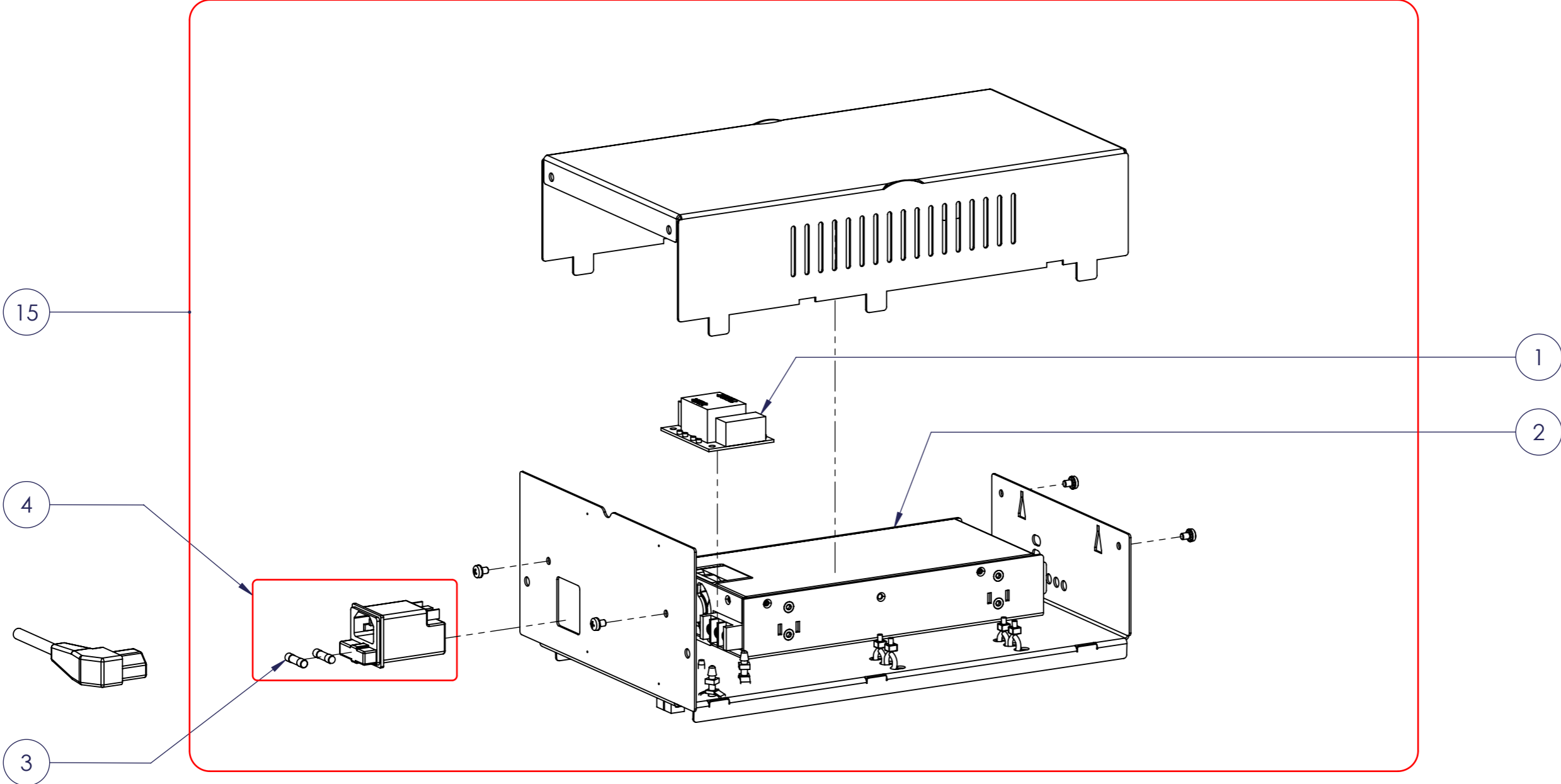
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
2	1862422-SP	Wheel, traversing, centric, 35mm	
3	1863708-SP	Motor 404.938	
7	1813254-SP	Coupling, motor, subframe, HA	

7334-A Power module 1818222-SP



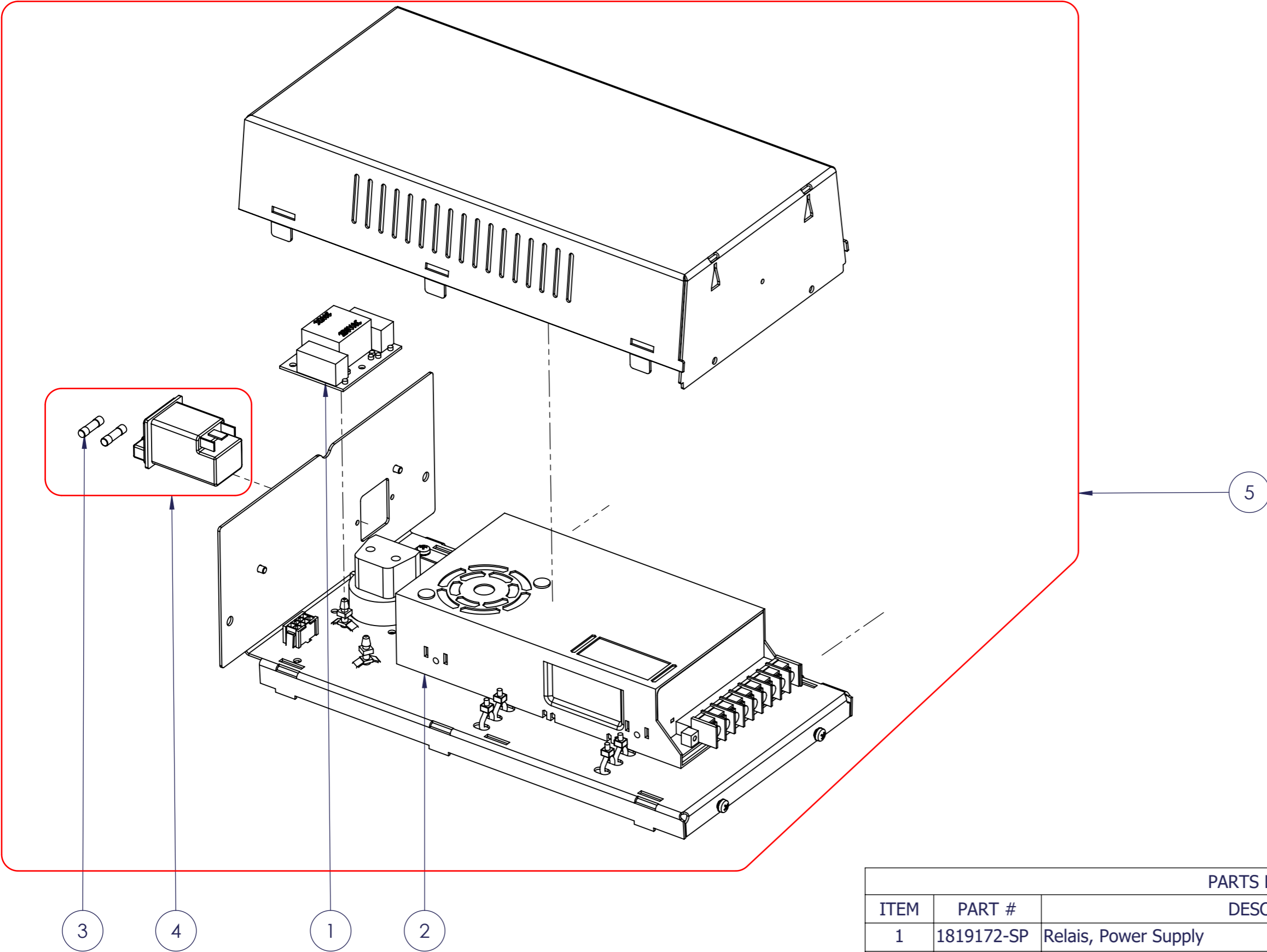
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
2	1819172-SP	Relais, Power Supply	
5	1818326-SP	Netentry with filter	
14	1819171-SP	Power supply,48VDC	

7334-B UL HAxx Power module 1820083
UL approved models only



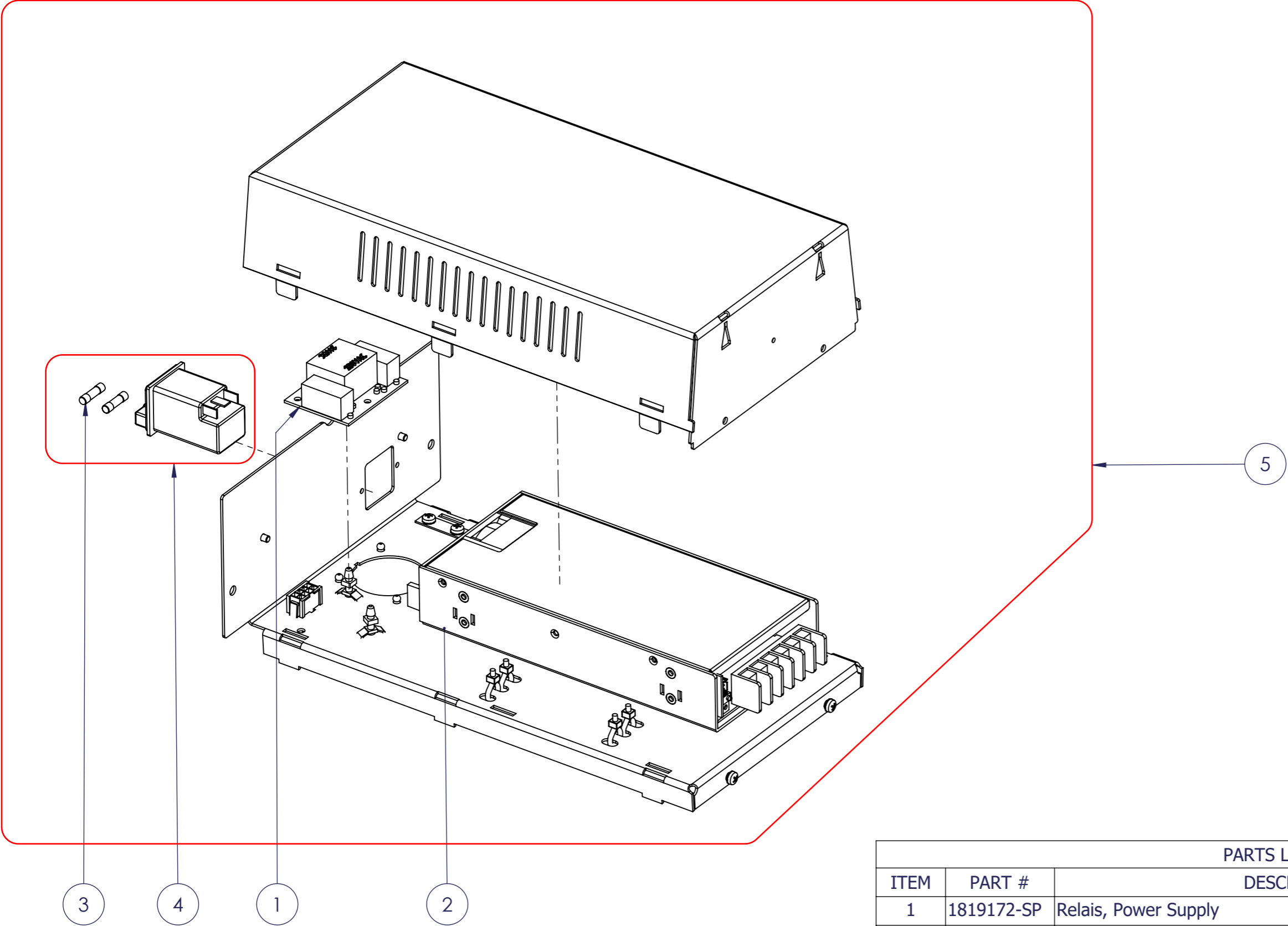
SPARE PARTS LIST			
ITEM	PART #	DESCRIPTION	REMARK
1	1819172-SP	Relais, Power Supply	
2	1865758-SP	Power supply MPS-450-48	
3	1819050-SP	Fuse,5AT,250V(set 10pcs)	
4	1818326-SP	Netentry with filter	
15	1820083-SP	Power module	

7334-C HAxx Power module (1820013-SP) From 17-12-2020



PARTS LIST			
ITEM	PART #	DESCRIPTION	REMARK
1	1819172-SP	Relais, Power Supply	
2	1819171-SP	Power supply,48VDC	
3	1819050-SP	Fuse,5AT,250V(set 10pcs)	
4	1818326-SP	Netentry with filter	
5	1820013-SP	Power module	

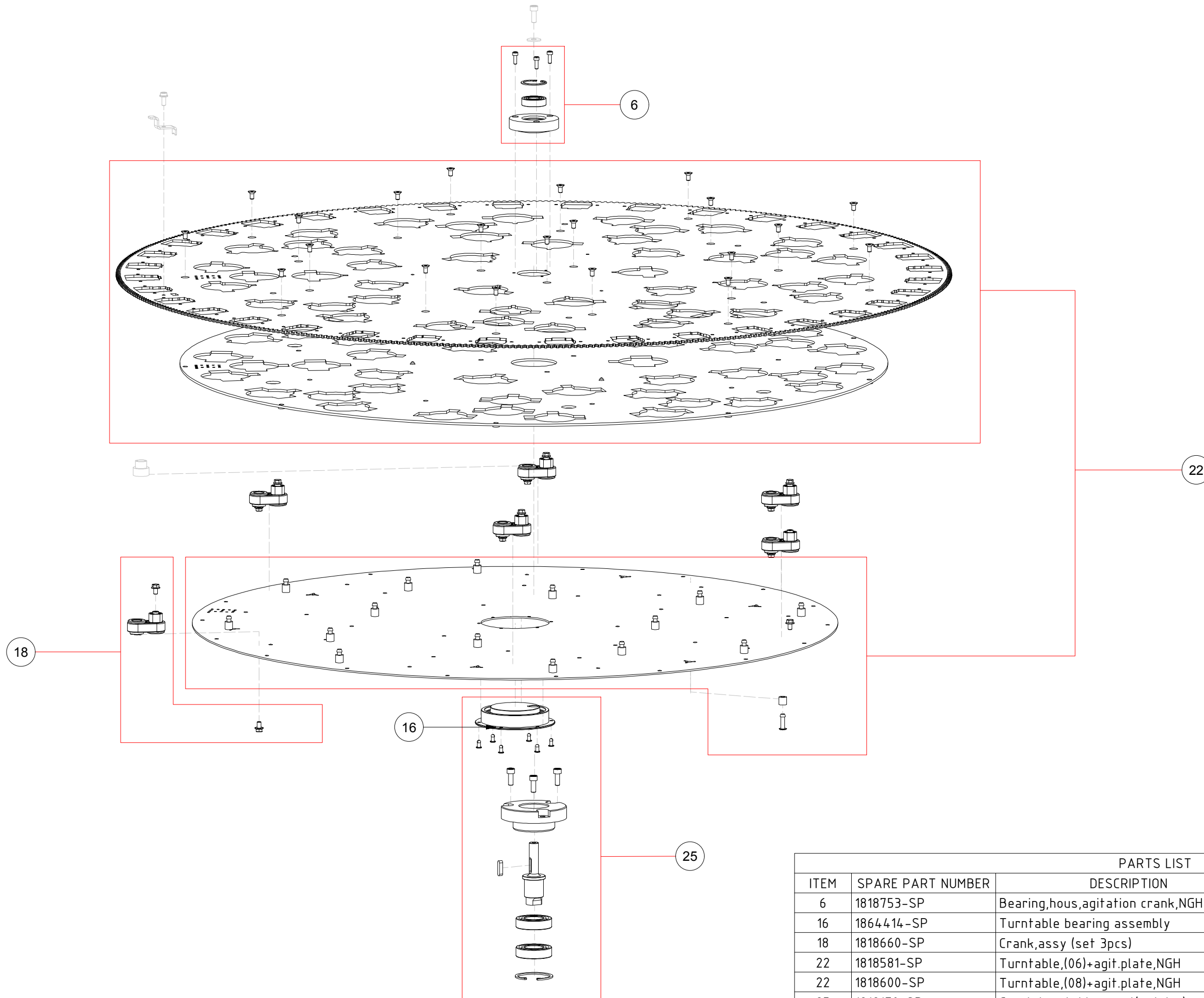
7334-D UL HAxx Power module (1820083) From 17-12-2020
UL approved models only



PARTS LIST			
ITEM	PART #	DESCRIPTION	REMARK
1	1819172-SP	Relais, Power Supply	
2	1865758-SP	Power supply MPS-450-48	
3	1819050-SP	Fuse,5AT,250V(set 10pcs)	
4	1818326-SP	Netentry with filter	
5	1820083-SP	Power module	

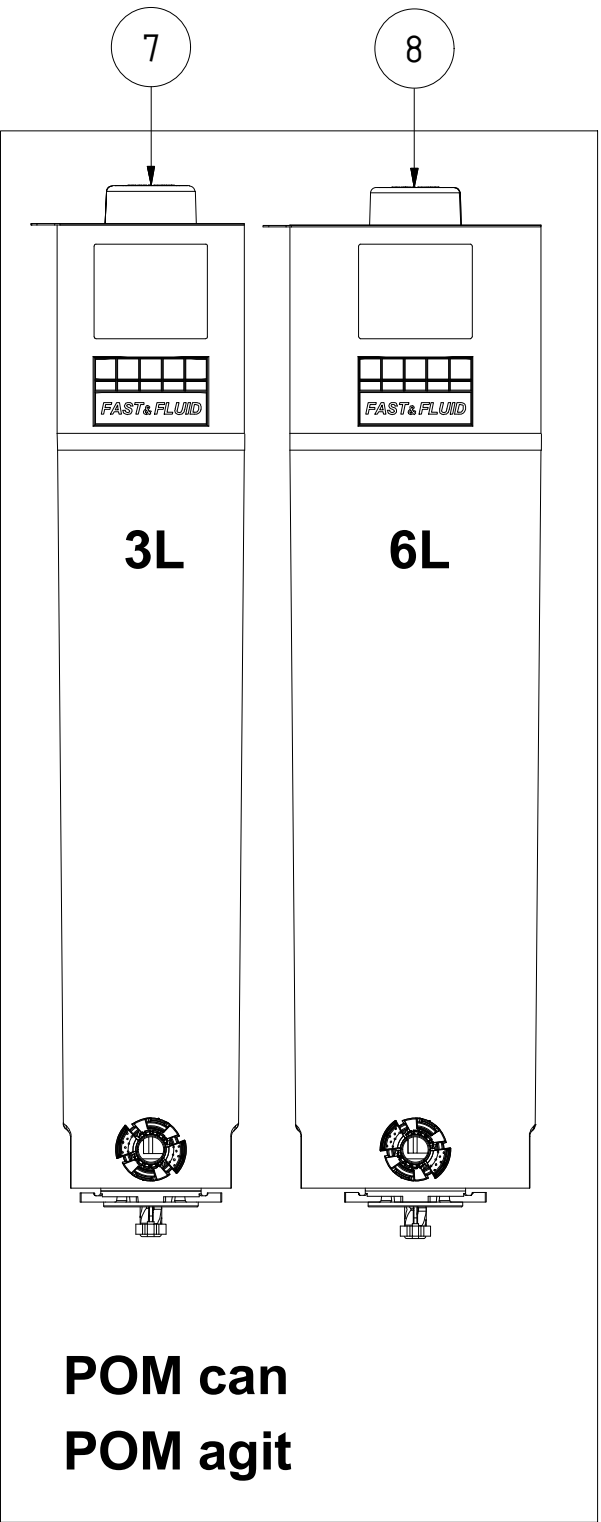
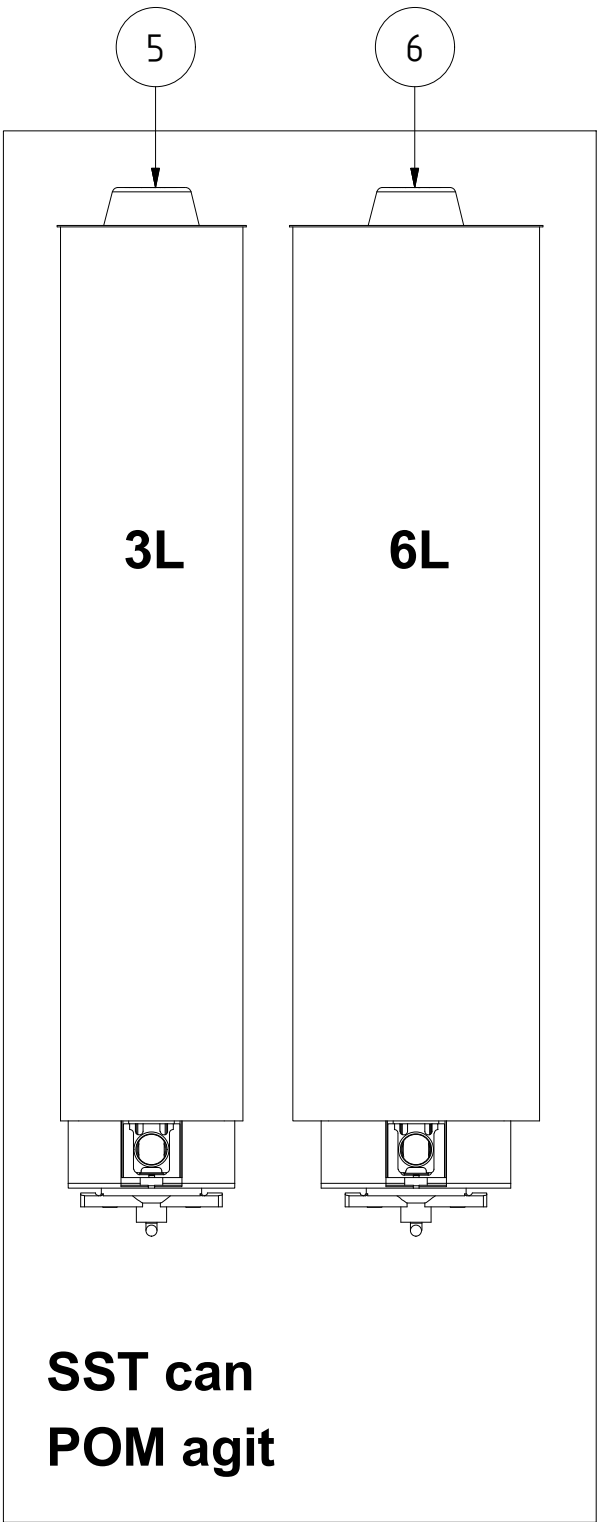
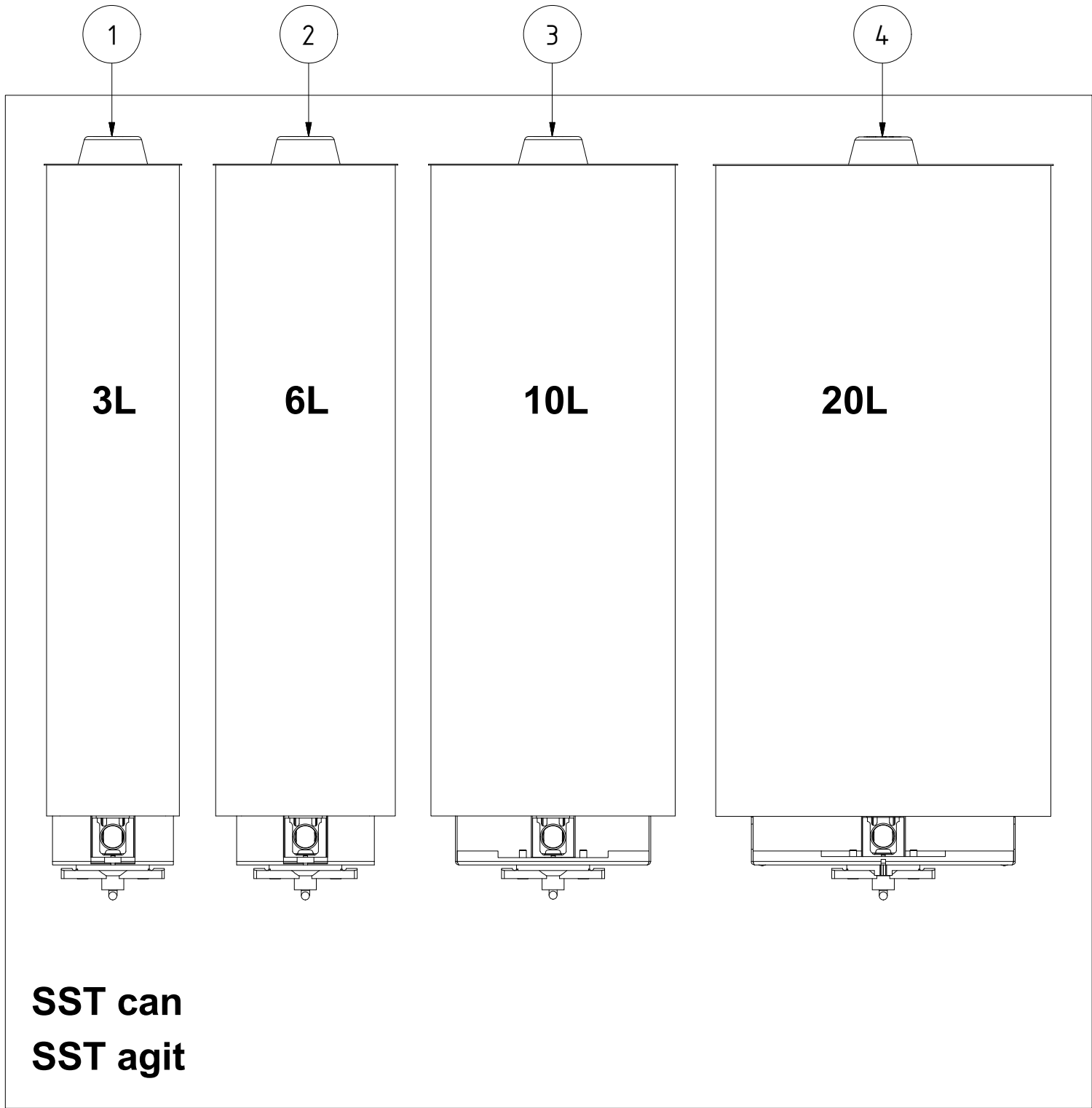
7335

Canister plates



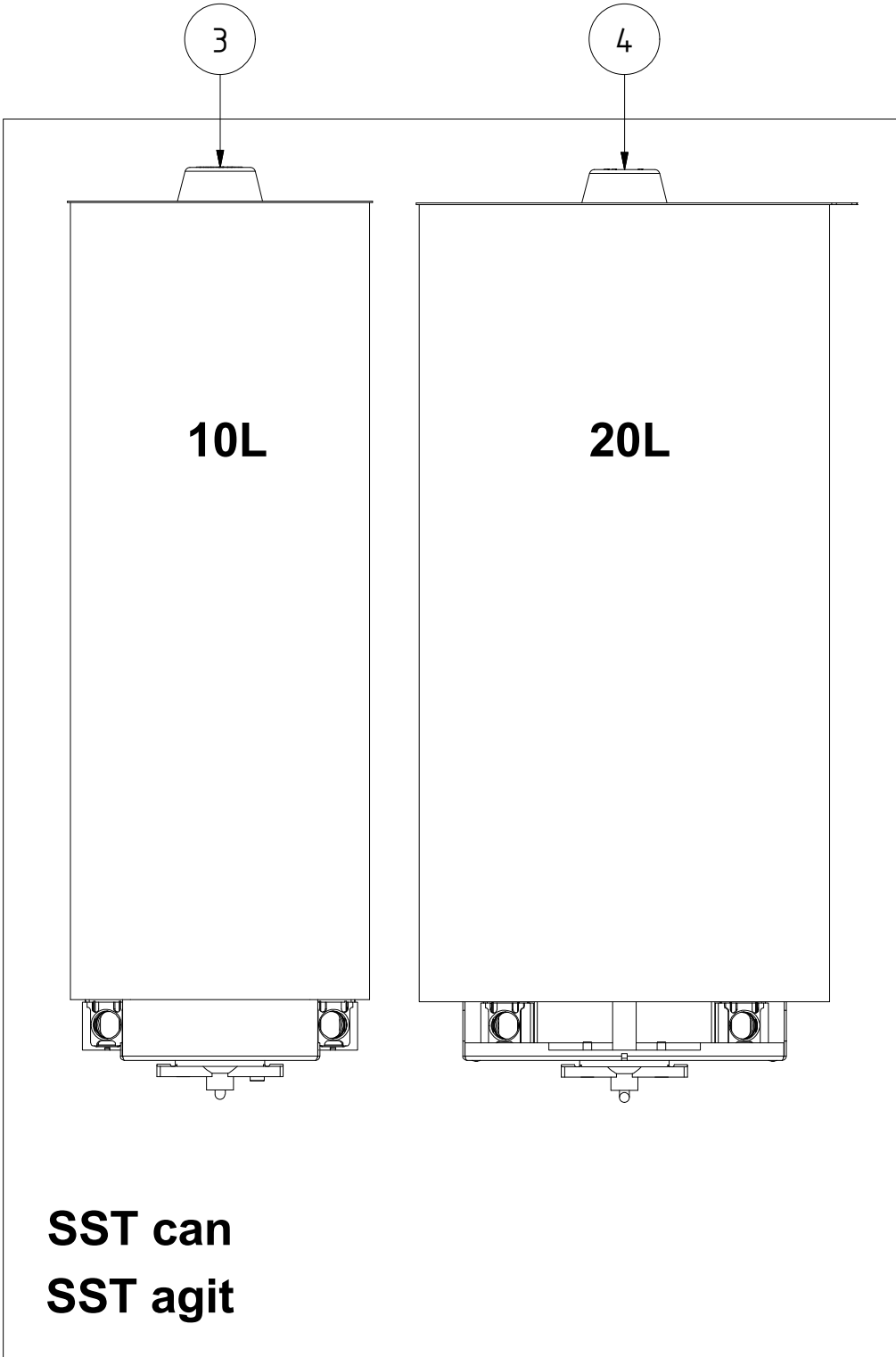
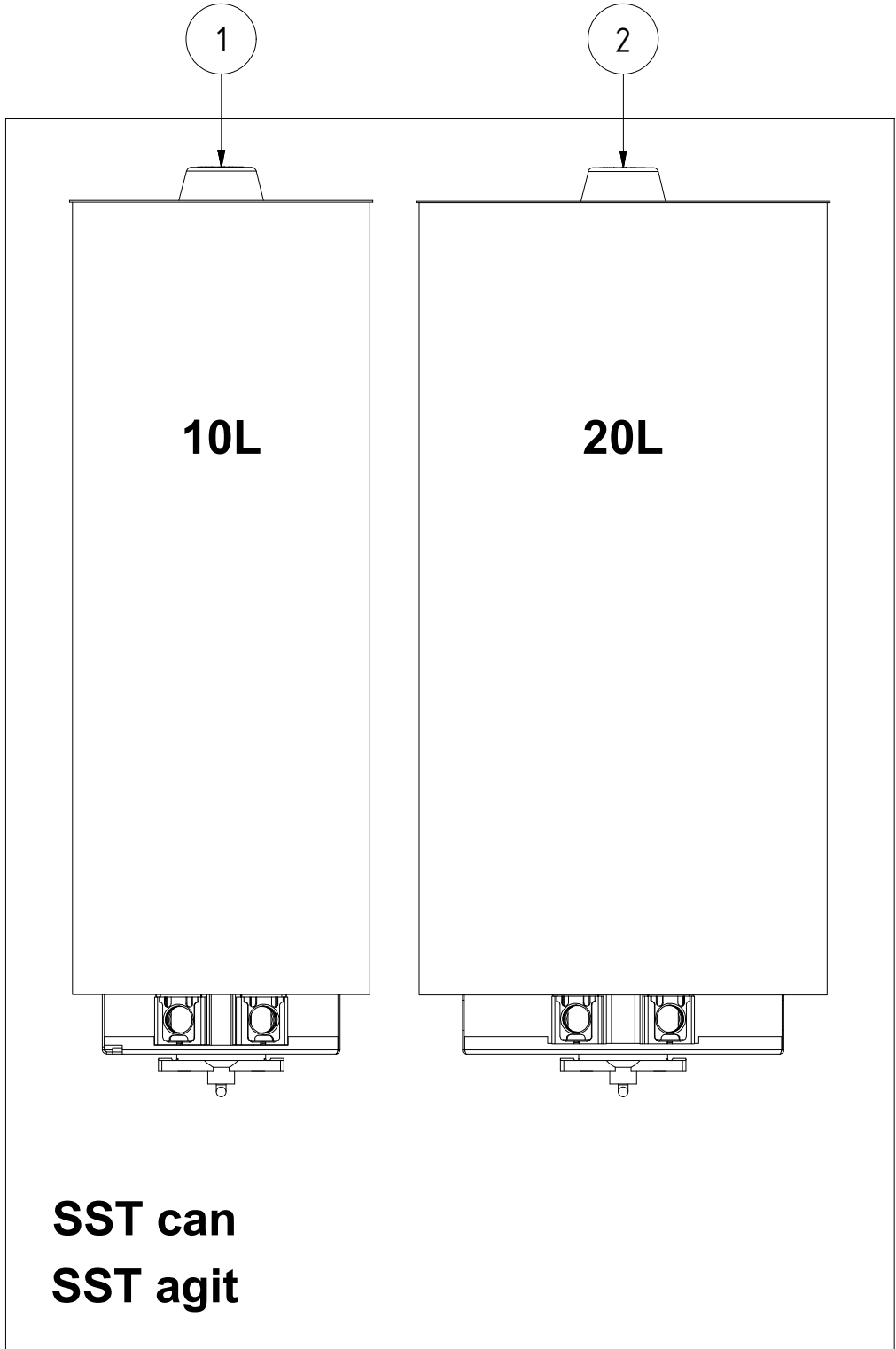
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
6	1818753-SP	Bearing,hous,agitation crank,NGH	
16	1864414-SP	Turntable bearing assembly	
18	1818660-SP	Crank,assy (set 3pcs)	
22	1818581-SP	Turntable,(06)+agit.plate,NGH	
22	1818600-SP	Turntable,(08)+agit.plate,NGH	
25	1819170-SP	Crank,turntable,compl(set 1pc)	

7340-1/2 Canisters



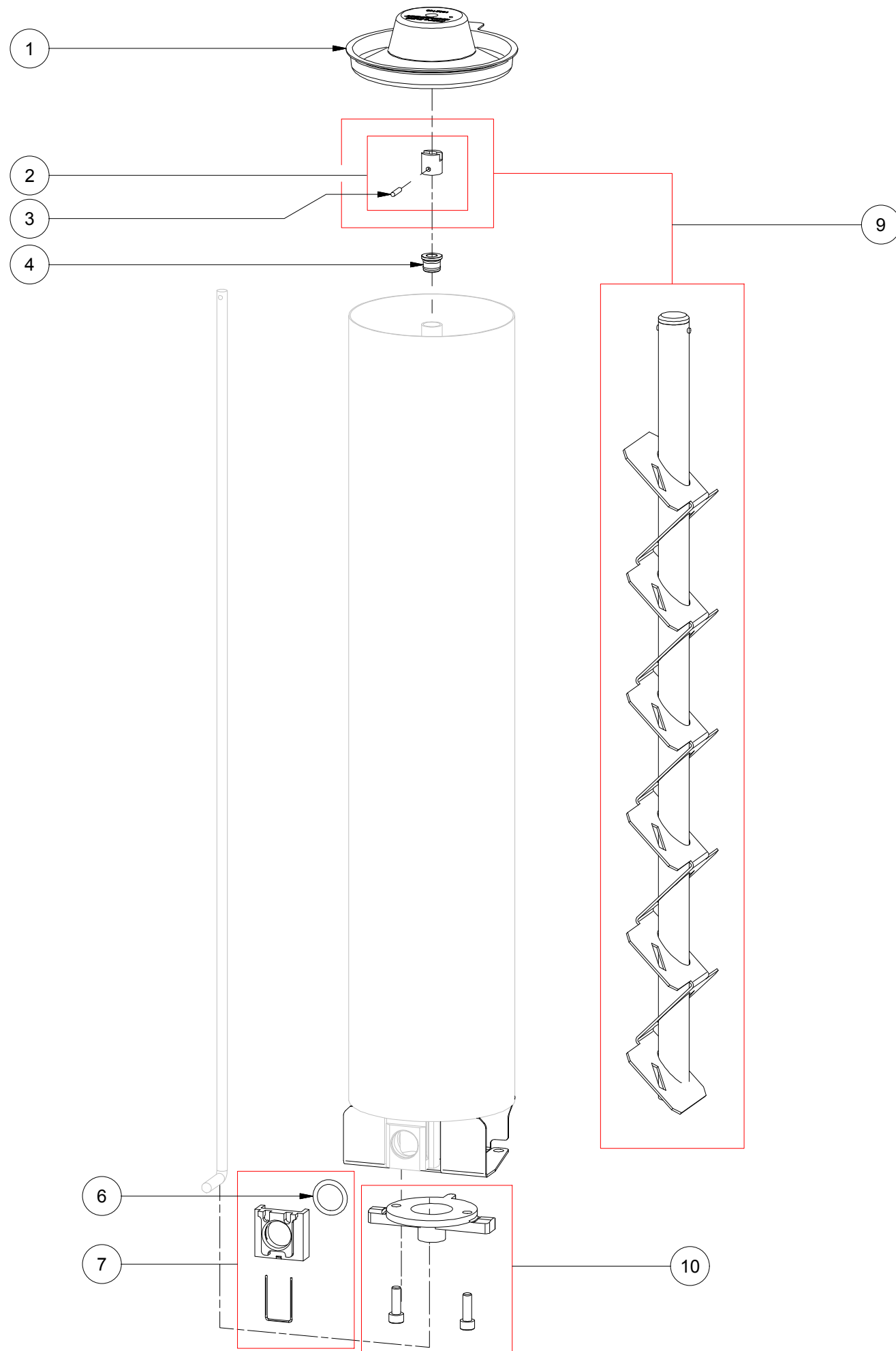
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1863215-SP	3L,SST can,std,1ex,SST agit	Page 7341
2	1863216-SP	6L,SST can,std,1ex,SST agit	Page 7342
3	1810599-SP	10L,SST can,std,1ex,SST agit	Page 7343
4	1810603-SP	20L,SST can,std,1ex,SST agit	Page 7344
5	1809888-SP	3L,SST can,std,1ex,POM agit	Page 7345
6	1810596-SP	6L,SST can,std,1ex,POM agit	Page 7346
7	1865011-SP	3L,POM can,std,1ex,POM agit	Page 7347
8	1865012-SP	6L,POM can,std,1ex,POM agit	Page 7348

7340-2/2 Canisters



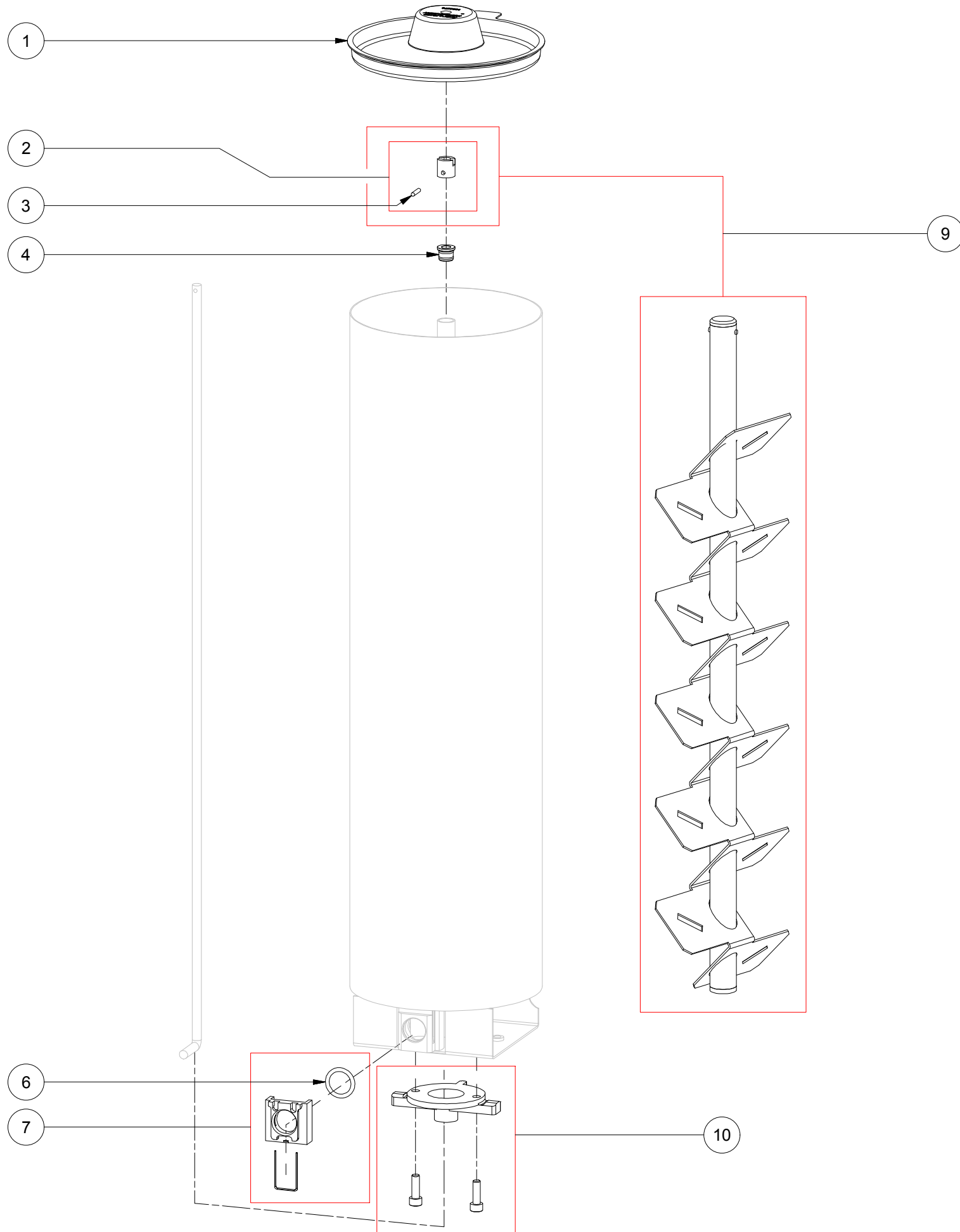
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1810602-SP	10L,SST can,inn,2ex,SST agit	Page 7349
2	1810761-SP	20L, SST can,inn,2ex,SST agit	Page 7350
3	1813689-SP	Canister,10L,2ex,cent,HA1.XX	Page 7351
4	1810763-SP	Canister,assy20L,2ex,mid,HA600	Page 7352

7341 3L,SST can,1ex,SST agit 1863215-SP



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1802503-SP	Lid POM,3L can,5pcs	
2	1801798-SP	Bush,center,agit.shaft,HA	
3	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs.	
4	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
6	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
7	1810767-SP	Clip,spring,tube,(Set 5pcs)	
9	1803439-SP	Agit SST, 3L SST can	
10	1816106-SP	Cap,bottom,sst can with screws	
18			
19			

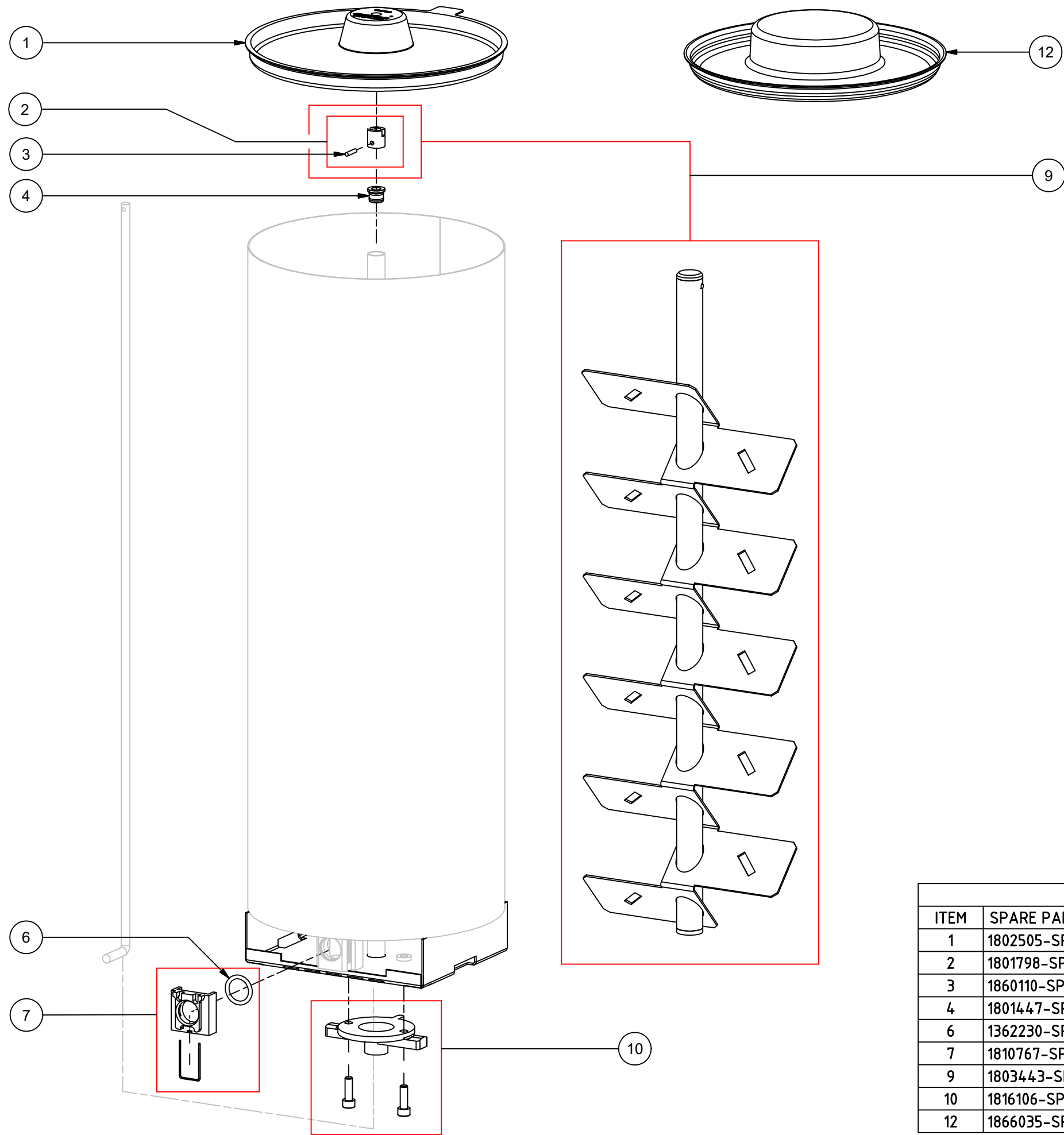
7342 6L,SST can,1ex,SST agit 1863216-SP



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1802504-SP	Lid POM,4.5/6L can,5pcs	
2	1801798-SP	Bush,center,agit.shaft,HA	
3	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs.	
4	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
6	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
7	1810767-SP	Clip,spring,tube,(Set 5pcs)	
9	1803441-SP	Agit SST, 6L SST can	
10	1816106-SP	Cap,bottom,sst can with screws	

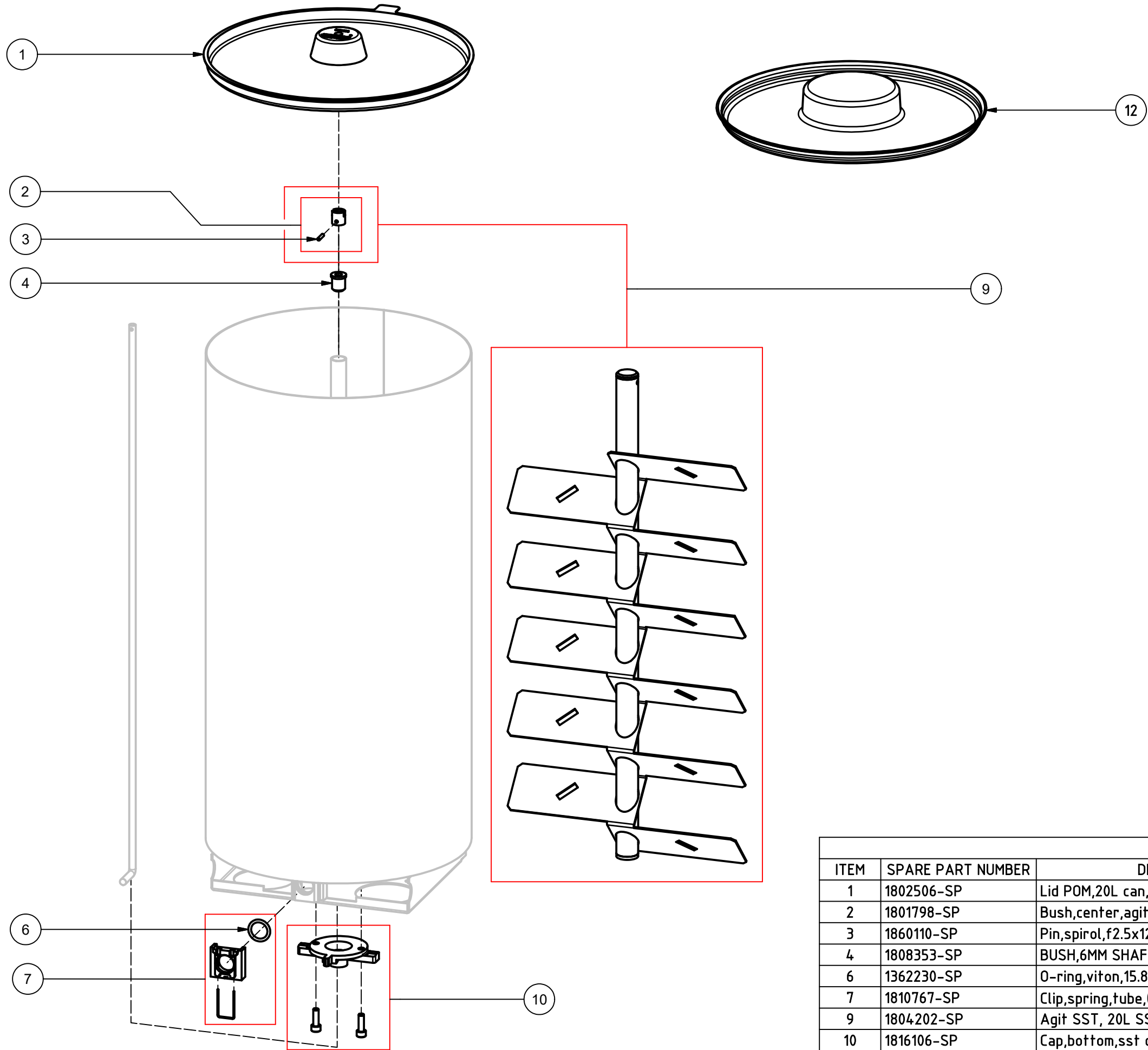
7343

10L,SST can,1ex,SST agit 1810599-SP



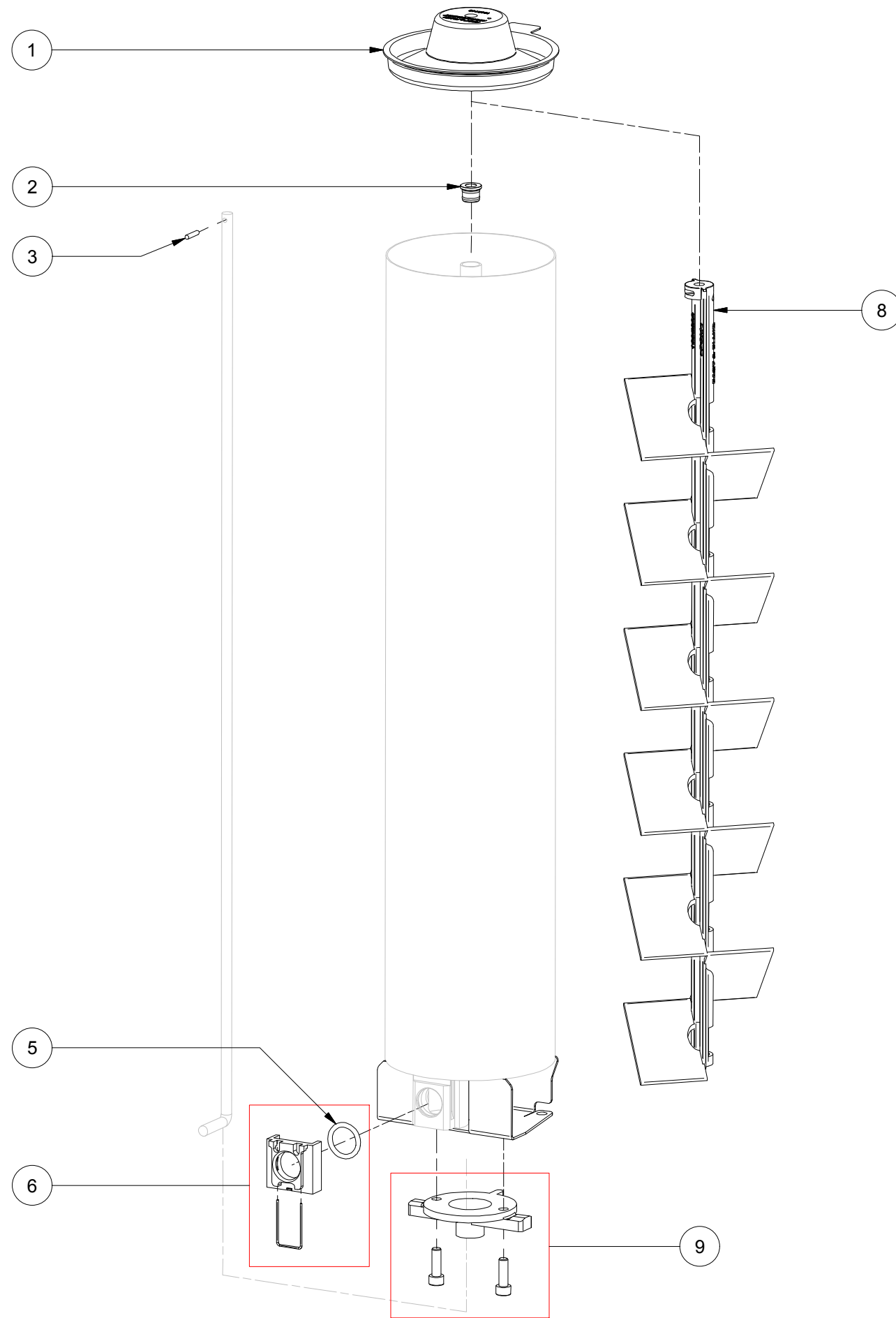
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1802505-SP	Lid POM,10L can,5pcs	
2	1801798-SP	Bush,center,agit.shaft,HA	
3	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs.	
4	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
6	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
7	1810767-SP	Clip,spring,tube,(Set 5pcs)	
9	1803443-SP	Agit SST, 10L SST can	
10	1816106-SP	Cap,bottom,sst can with screws	
12	1866035-SP	Lid SST, 10L SST can	

7344 20L,SST can,std,1ex,SST agit 1810603-SP



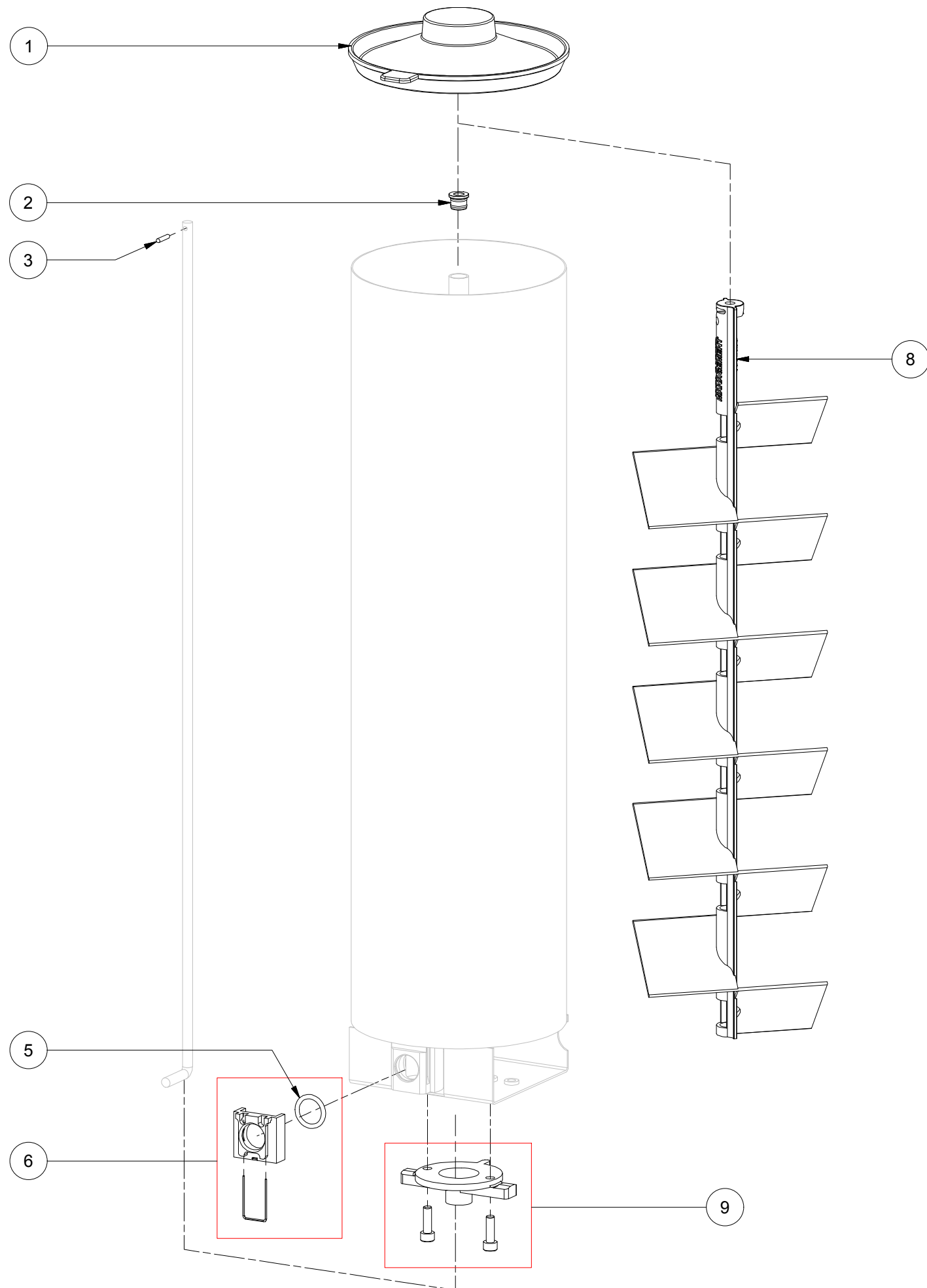
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1802506-SP	Lid POM,20L can,5pcs	
2	1801798-SP	Bush,center,agit.shaft,HA	
3	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs.	
4	1808353-SP	BUSH,6MM SHAFT,AGIT 20L,HAL	
6	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
7	1810767-SP	Clip,spring,tube,(Set 5pcs)	
9	1804202-SP	Agit SST, 20L SST can	
10	1816106-SP	Cap,bottom,sst can with screws	
12	1866036-SP	Lid SST, 20L SST can	

7345 3L,SST can,1ex,POM agit 1809888-SP



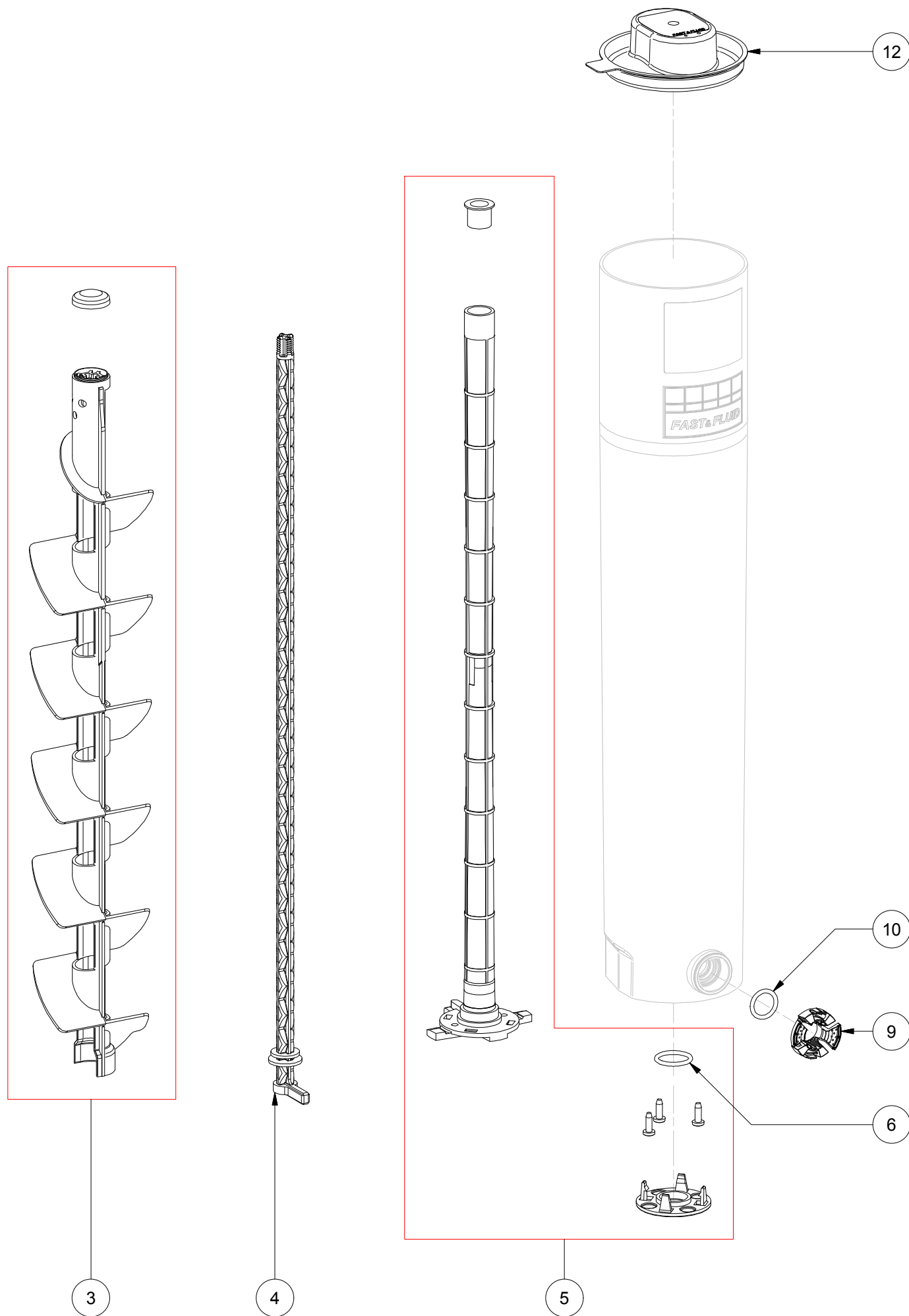
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1802503-SP	Lid POM,3L can,5pcs	
2	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
3	1860110-SP	Pin,spirof,f2.5x12,Sst,25pcs.	
5	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
6	1810767-SP	Clip,spring,tube,(Set 5pcs)	
8	1860394-SP	Agit POM,3L Sst can,5pcs	
9	1816106-SP	Cap,bottom,sst can with screws	

7346 6L,SST can,1ex,POM agit 1810596-SP



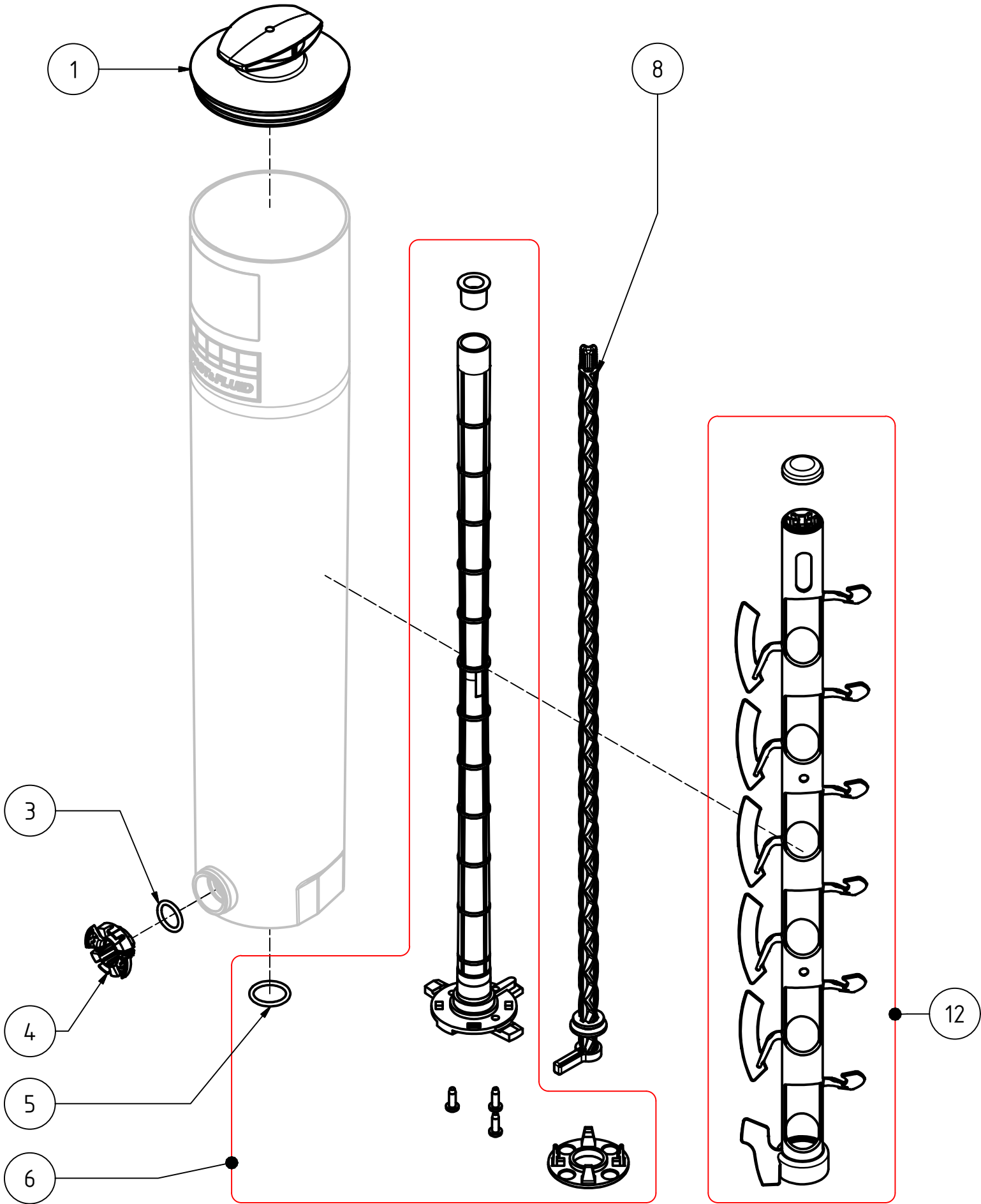
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1802504-SP	Lid POM,4.5/6L can,5pcs	
2	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
3	1860110-SP	Pin,spiro,f2.5x12,Sst,25pcs.	
5	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
6	1810767-SP	Clip,spring,tube,(Set 5pcs)	
8	1860395-SP	Agit POM,6L Sst can,5pcs	
9	1816106-SP	Cap,bottom,sst can with screws	

7347-A 3L,POM can,1ex,POM agit 1865011 -SP



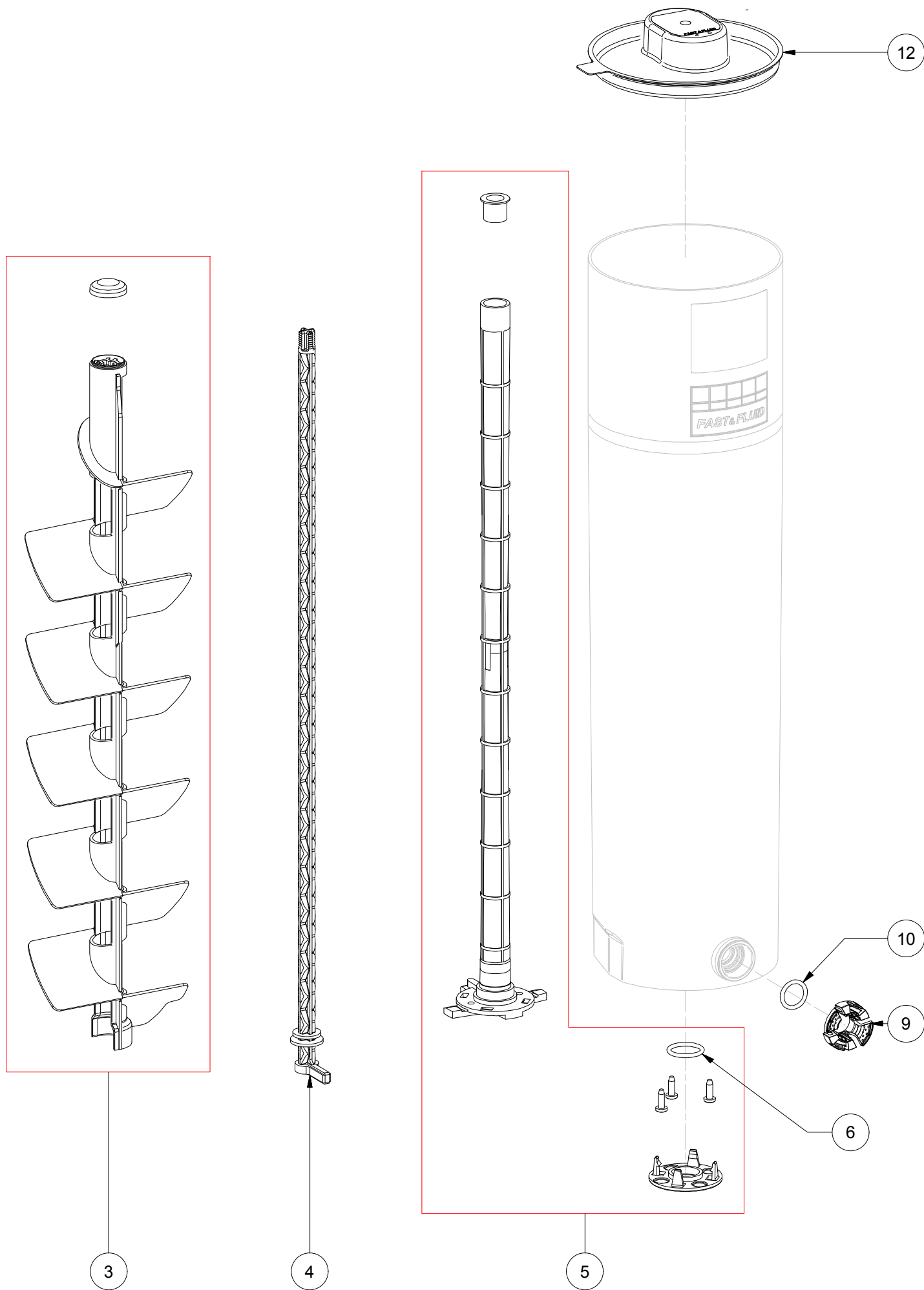
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
3	1817910-SP	Agitator,3L,POM,2014,5pcs	
4	1817917-SP	Shaft,canister,HA,5pcs	
5	1817427-SP	Inner tube,canister,kit	
6	1362231-SP	O-ring,cann.vit.20.29 set 10pc	
9	1817841-SP	Clip,pump,canister,HA,5pcs	
10	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
12	1817422-SP	Lid POM,2.5/3L can,5pcs	

7347-B 3L,canister,assy,POM 1865919-SP From 09-April-2023

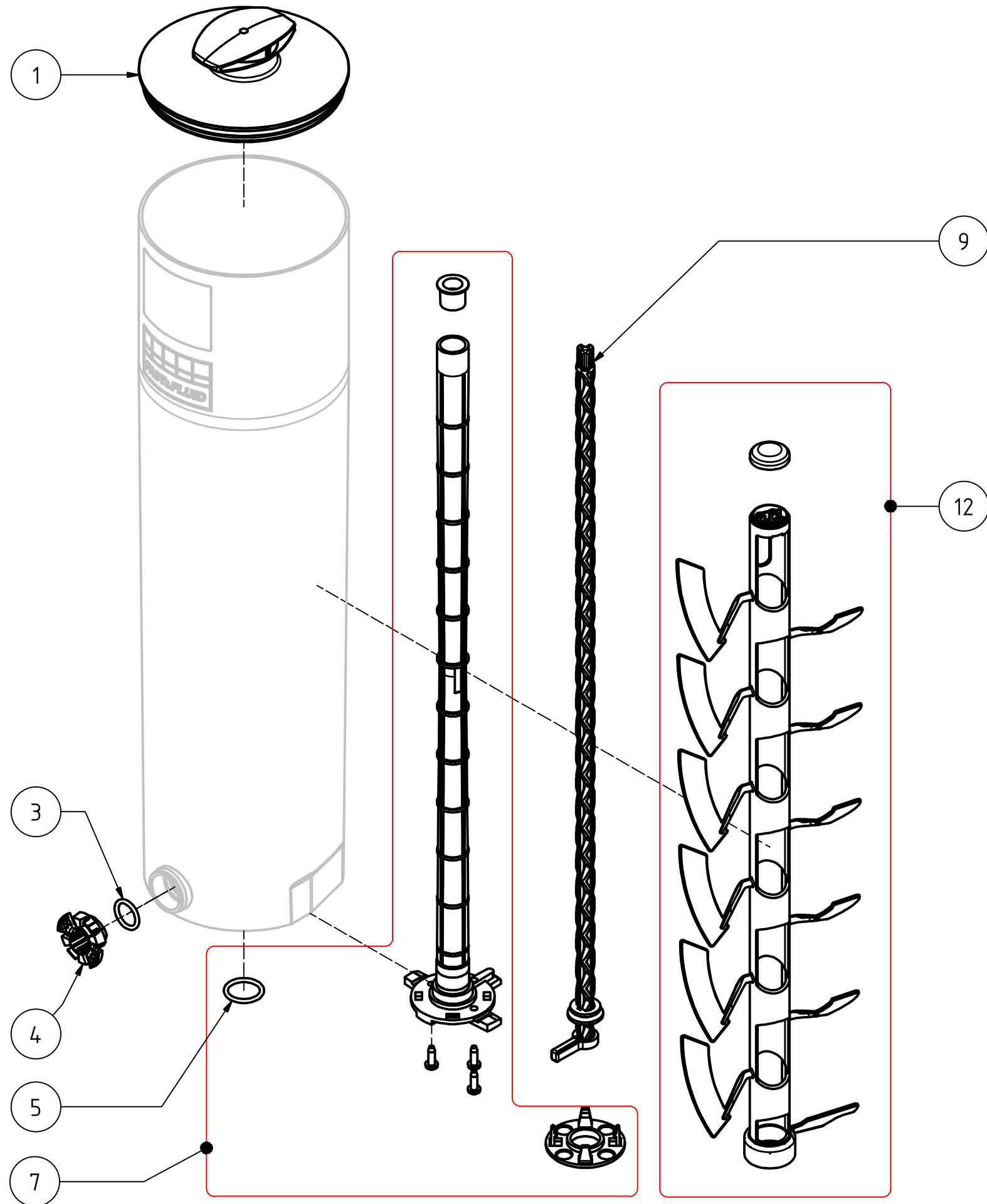


SPARE PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1819819-SP	Lid,canister,3L,5pcs	
3	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
4	1817841-SP	Clip,pump,canister,HA,5pcs	
5	1362231-SP	O-ring,cann.vit.20.29 set 10pc	
6	1817427-SP	Inner tube,canister,kit	
8	1817917-SP	Shaft,canister,HA,5pcs	
12	1820538-SP	Agitator,3ltr,HA480-680,5pcs	

7348-A 6L,POM can,1ex,POM agit 1865012-SP



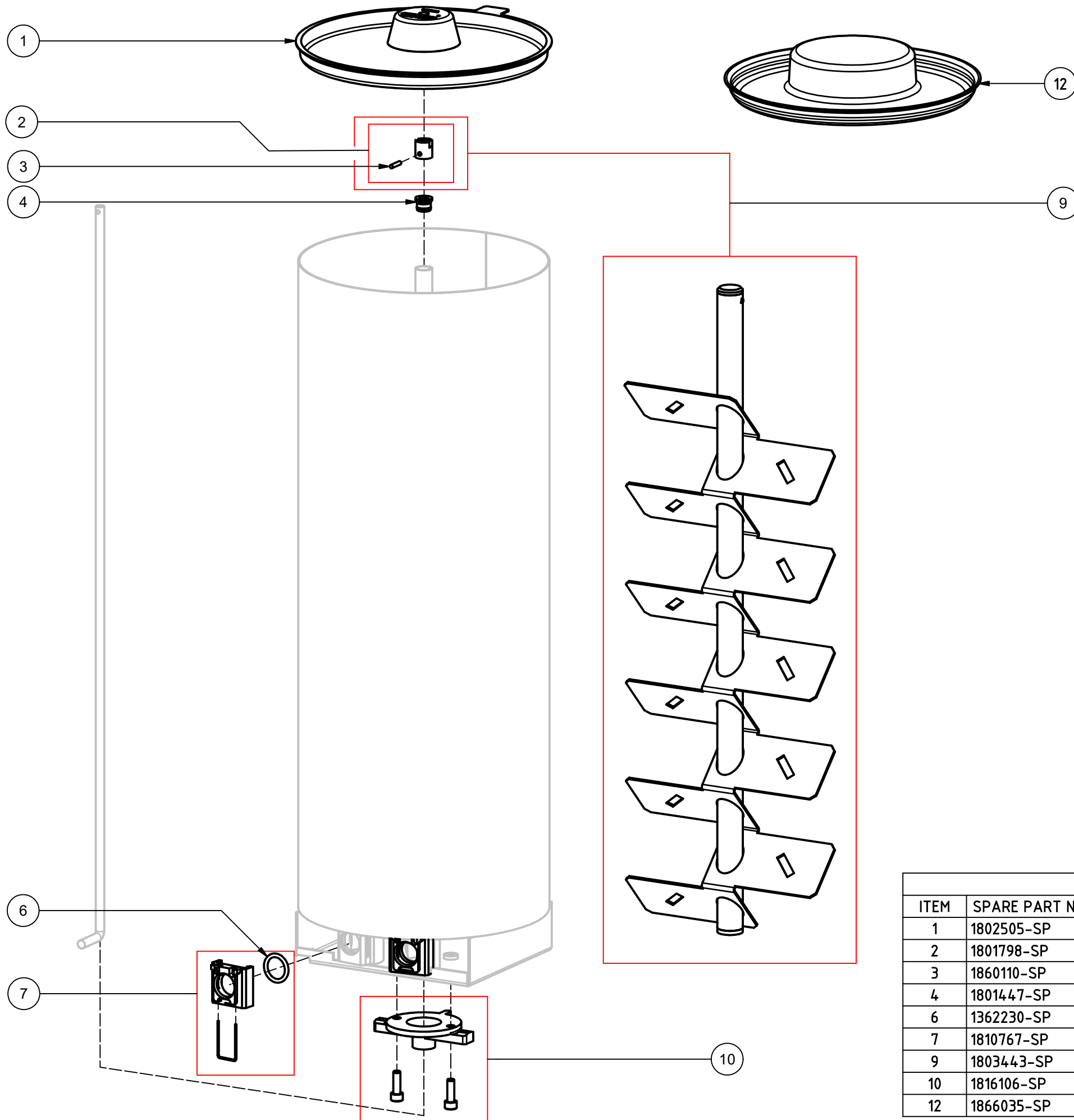
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
3	1817912-SP	Agitator,6L,POM,2014	
4	1817917-SP	Shaft,canister,HA,5pcs	
5	1817427-SP	Inner tube,canister,kit	
6	1362231-SP	O-ring,cann.vit.20.29 set 10pc	
9	1817841-SP	Clip,pump,canister,HA,5pcs	
10	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
12	1817423-SP	Lid POM,5/6L can,5pcs	



SPARE PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1819823-SP	Lid,Canister,6L,5pcs	
3	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
4	1817841-SP	Clip,pump,canister,HA,5pcs	
5	1362231-SP	O-ring,cann.vit.20.29 set 10pc	
7	1817427-SP	Inner tube,canister,kit	
9	1817917-SP	Shaft,canister,HA,5pcs	
12	1820539-SP	Agitator,6ltr,HA480-680,5pcs	

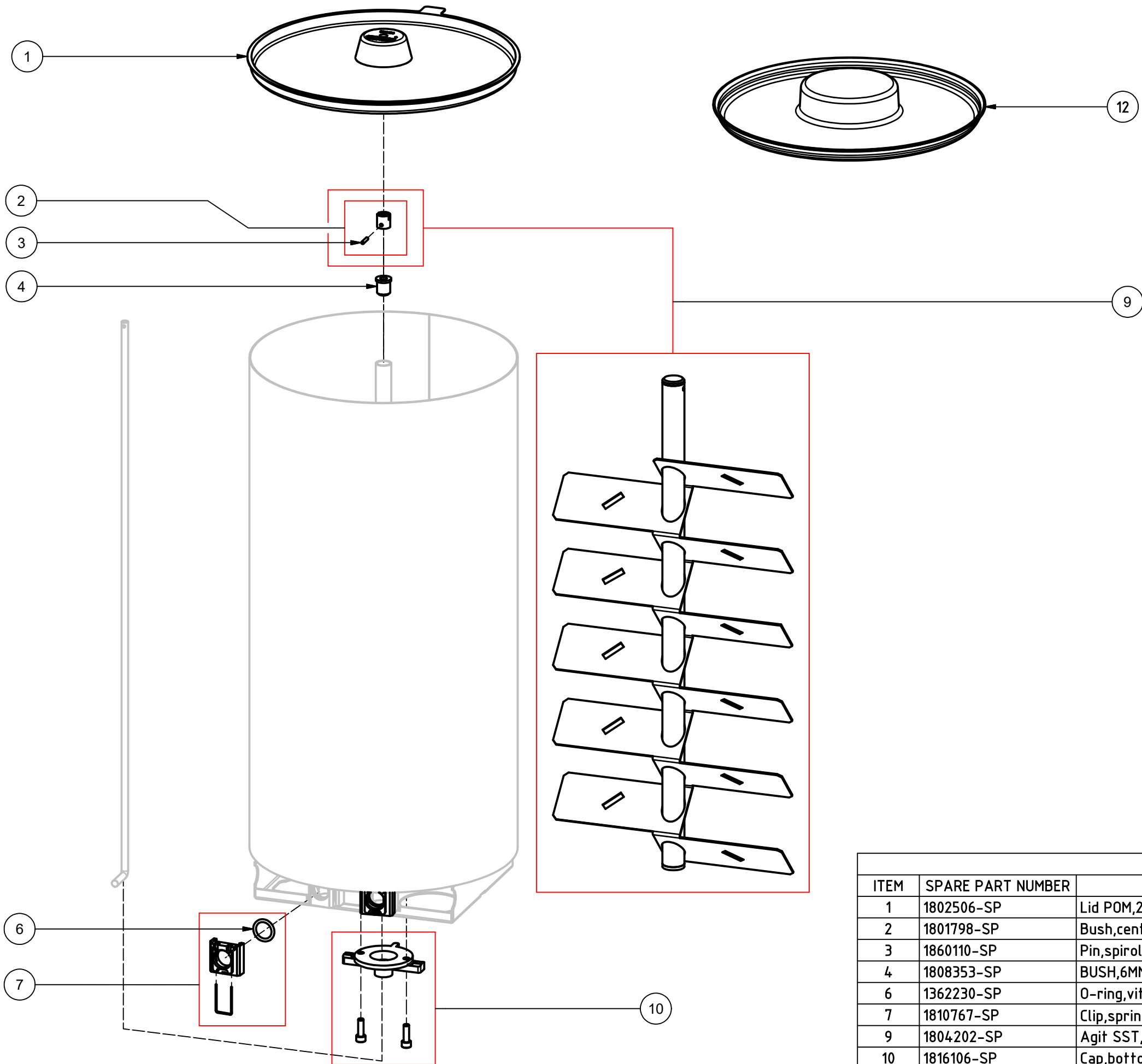
7349

10L,SST can,inn,2ex,SST agit 1810602-SP



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1802505-SP	Lid POM, 10L can,5pcs	
2	1801798-SP	Bush,center,agit.shaft,HA	
3	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs.	
4	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
6	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
7	1810767-SP	Clip,spring,tube,(set 5pcs)	
9	1803443-SP	Agit SST, 10L SST can	
10	1816106-SP	Cap,bottom,sst can with screws	
12	1866035-SP	Lid SST, 10L SST can	

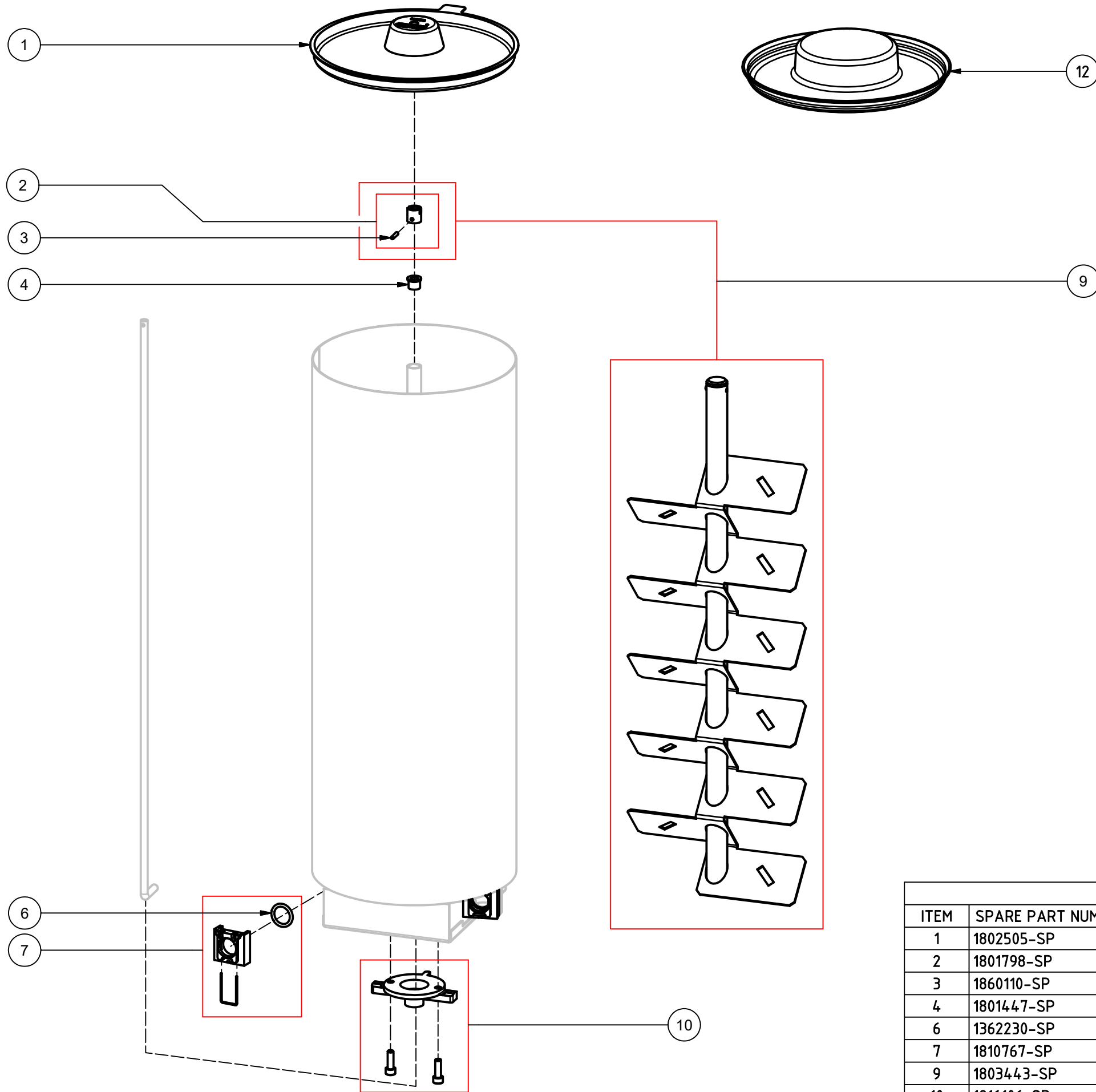
7350 20L,SST can,inn,2ex,SST agit 1810761-SP



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1802506-SP	Lid POM,20L can,5pcs	
2	1801798-SP	Bush,center,agit.shaft,HA	
3	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs.	
4	1808353-SP	BUSH,6MM SHAFT,AGIT 20L,HAL	
6	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
7	1810767-SP	Clip,spring,tube,(set 5pcs)	
9	1804202-SP	Agit SST, 20L SST can	
10	1816106-SP	Cap,bottom,sst can with screws	
12	1866036-SP	Lid SST, 20L SST can	

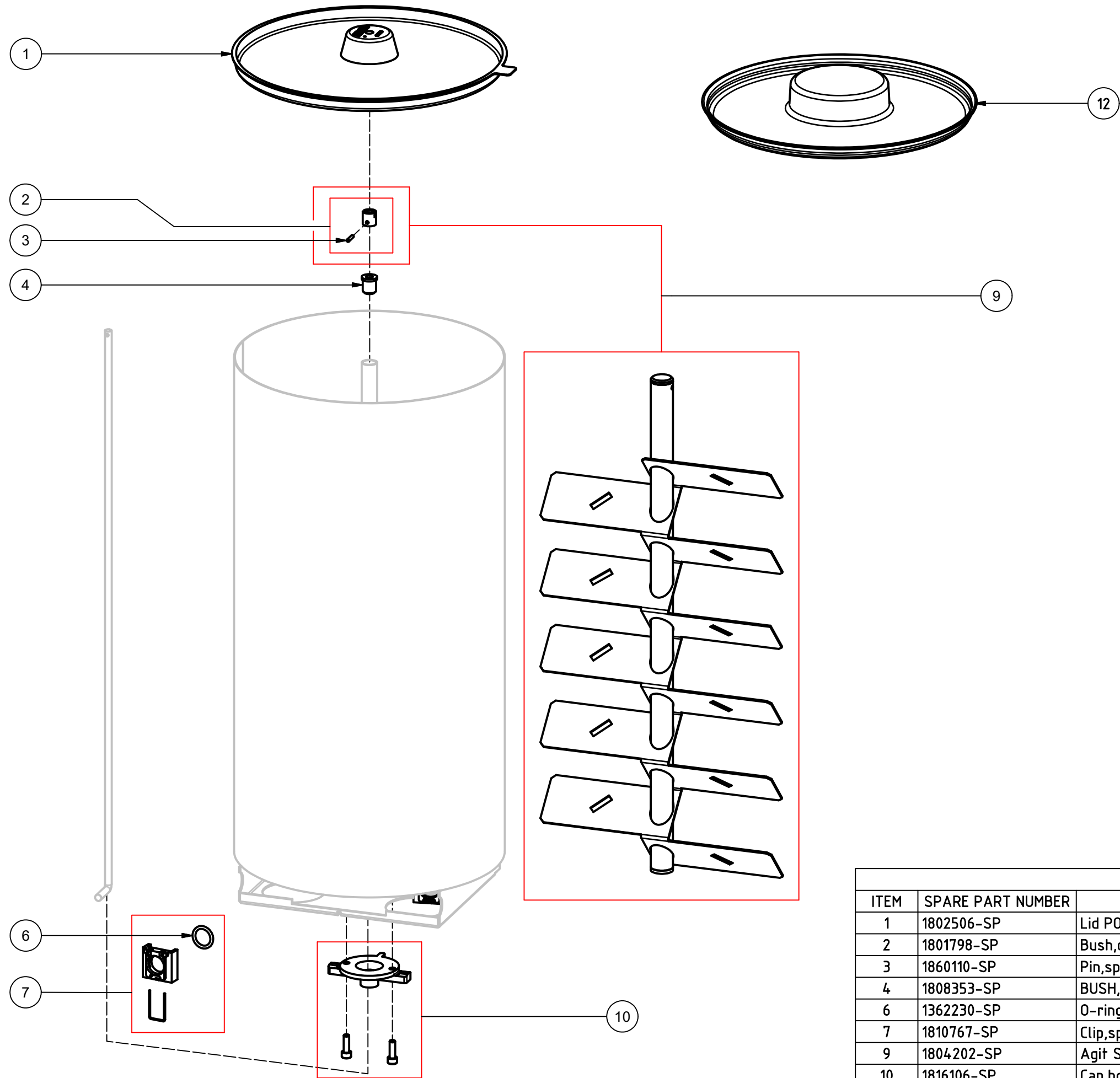
7351

10L,SST can,out,2ex,SST agit 1813689-SP

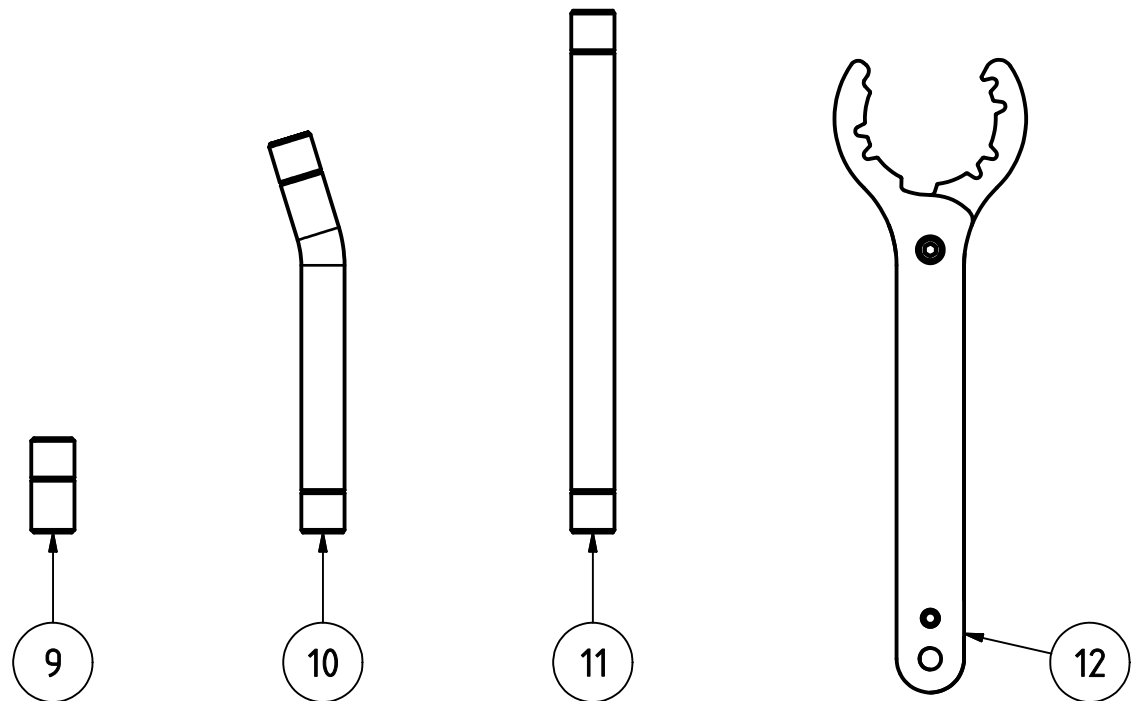
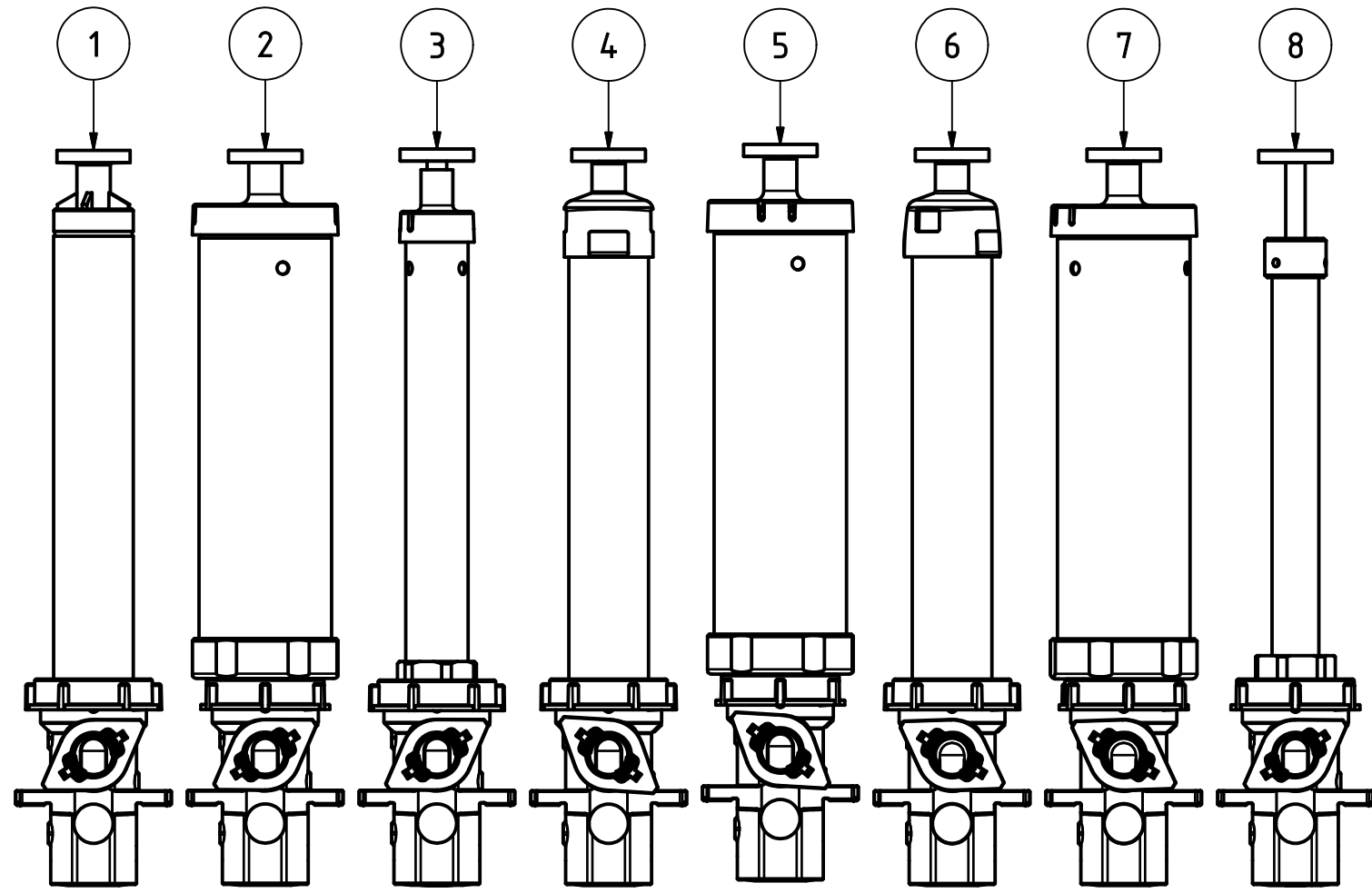


PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1802505-SP	Lid POM, 10L can,5pcs	
2	1801798-SP	Bush,center,agit.shaft,HA	
3	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs.	
4	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
6	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
7	1810767-SP	Clip,spring,tube,(Set 5pcs)	
9	1803443-SP	Agit SST, 10L SST can	
10	1816106-SP	Cap,bottom,sst can with screws	
12	1866035-SP	Lid SST, 10L SST can	

7352 20L,SST can,out,2ex,SST agit 1810763-SP



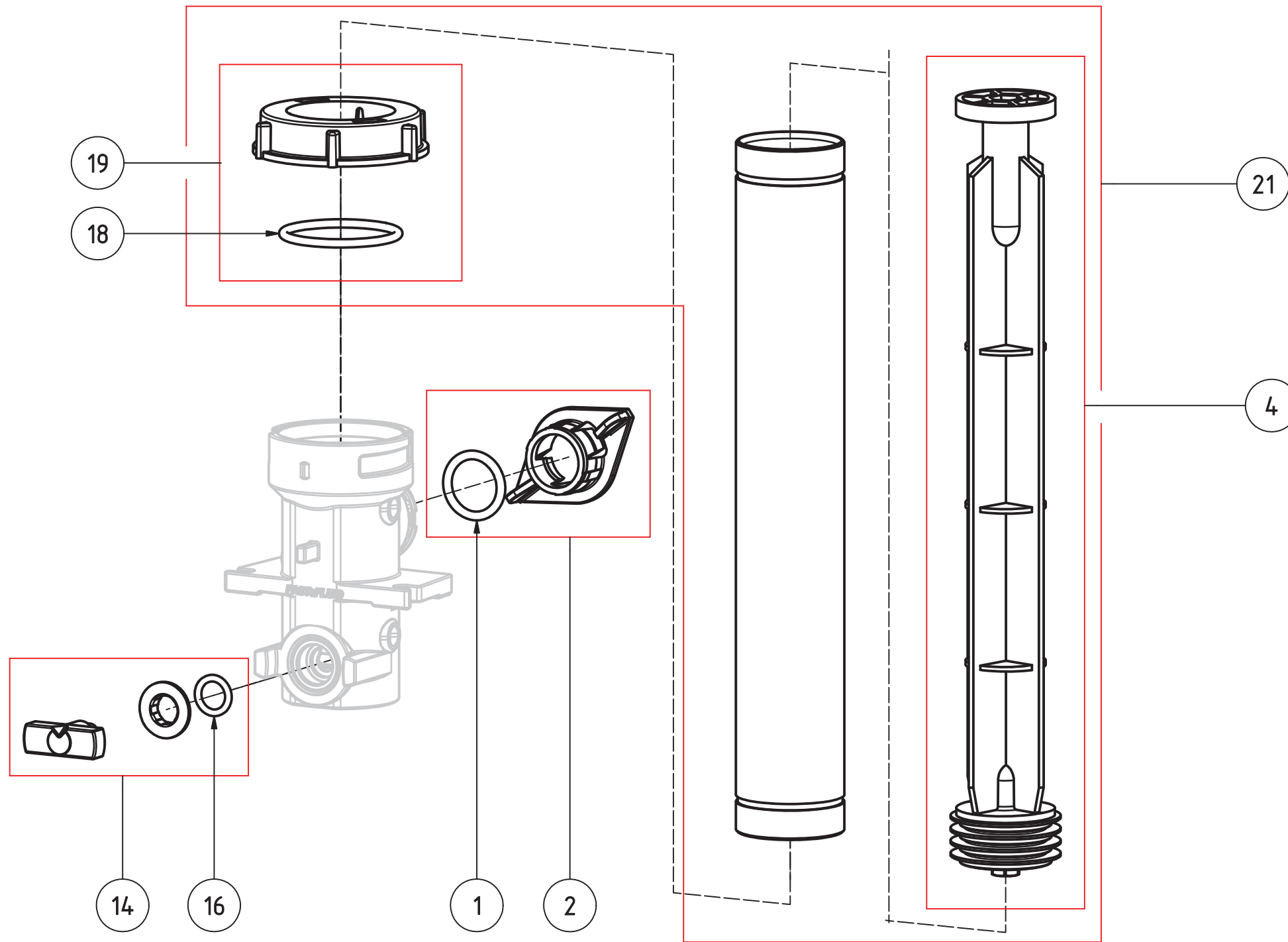
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1802506-SP	Lid POM,20L can,5pcs	
2	1801798-SP	Bush,center,agit.shaft,HA	
3	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs.	
4	1808353-SP	BUSH,6MM SHAFT,AGIT 20L,HAL	
6	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
7	1810767-SP	Clip,spring,tube,(Set 5pcs)	
9	1804202-SP	Agit SST, 20L SST can	
10	1816106-SP	Cap,bottom,sst can with screws	
12	1866036-SP	Lid SST, 20L SST can	



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1818238-SP	Pump,Ballvalve,100ml	Page 7361
2	1818310-SP	Pump,Ballvalve,300ml	Page 7362
3	1819612-SP	Pump,Ballvalve,55ml,Sample	Page 7363
4	1830356-SP	Pump,Ballvalve,100ml,Hybrid	Page 7364
5	1819917-SP	Pump,Ballvalve,300ml,Ind,3+1	Page 7365
6	1820345-SP	Pump,ballvalve,100ml,Industrial	Page 7366
7	1820328-SP	Pump,ballvalve,300ml,high performance	Page 7367
8	1819671-SP	Pump,Ballvalve,29ml,Sample	Page 7368
9	1810605-SP	Plug,canister,16x35mm,set 5pcs	
10	1810592-SP	Tube,ø16x139.8,angle 7deg,HA	
10	1814139-SP	Tube,ø16x216,angle 4.5,HA	
10	1814138-SP	Tube,ø16x139,angle 16deg,HA	
10	1814136-SP	Tube,ø16x193.7,angle 10deg,HA	
10	1814135-SP	Tube,ø16x148.2,angle 27deg,HA	
11	1810588-SP	Tube,ø16x316.3,HA	
11	1810579-SP	Tube,ø16x190.3,HA	
11	1810580-SP	Tube,ø16x180.3,HA	
11	1810582-SP	Tube,ø16x117.3,HA	
11	1810583-SP	Tube,ø16x232,3 HA	
11	1810584-SP	Tube,ø16x 74,3,HA	
11	1810587-SP	Tube,ø16x280.3,HA	
11	1810581-SP	Tube,ø16x197.3,HA	
11	1810594-SP	Tube,ø16x171.0,HA	
11	1810585-SP	Tube,ø16x 91.3,HA	
11	1804333-SP	Tube,ø16x127,HA	
11	1810586-SP	Tube,ø16x263.3,HA	
11	1805202-SP	Tube,ø16x 48.5,HA	
11	1810591-SP	Tube,ø16x333.3,HA	
11	1810590-SP	Tube,ø16x254.3,HA	
11	1810589-SP	Tube,ø16x237.3,HA	
11	1810578-SP	Tube,ø16x173.3,HA	
11	1810577-SP	Tube,ø16x 59.3,HA	
11	1810576-SP	Tube,ø16x151.3,HA	
11	1810575-SP	Tube,ø16x134.3,HA	
11	1810574-SP	Tube,ø 16x 42.3,HA	
11	1864579-SP	Tube,ø16x193.3,HA	
12	1819486-SP	Tool,nut,300ml-pump	Page 7369

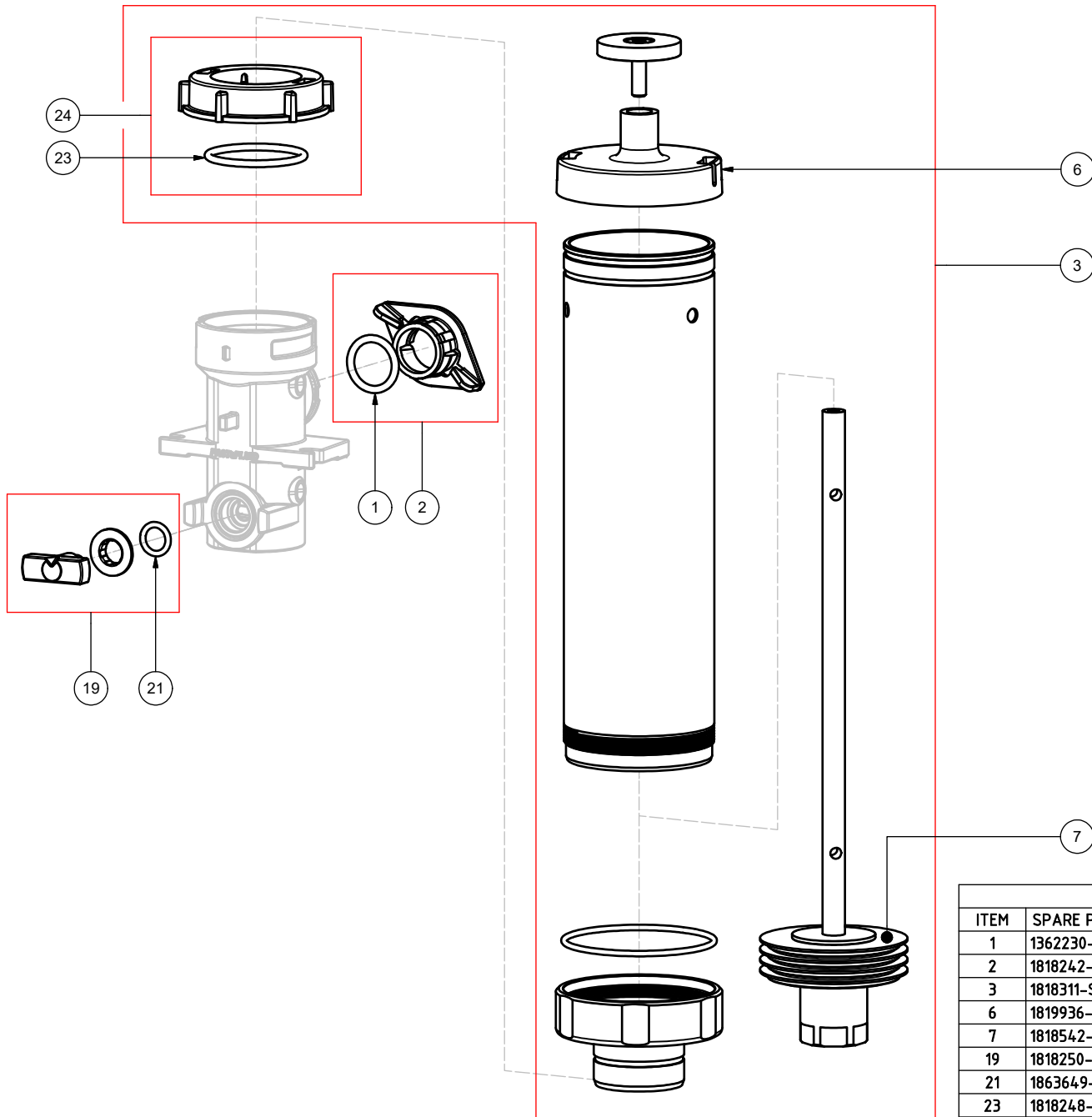
7361

Pump,Ballvalve,100ml 1818238-SP



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1362230-SP	O-ring,can,vit,15.88x2.62 10st	
2	1818242-SP	Tube clip, 16mm (set 5pcs)	
4	1818239-SP	Pistonrod, incl. teflon (set 10pcs)	
4	1865597-SP	Pistonrod, incl. teflon (set 100pcs)	
14	1818250-SP	lever, valve (set 5pcs)	
16	1863649-SP	O-ring,8,5x2,lever,ballv,10pcs	
18	1818248-SP	O-ring,32x2.5 (10 pcs)	
19	1818240-SP	Ring,tube,100ml, (set 5pcs)	
21	1819166-SP	Pumptube,100ml,compl.(set 1pc)	

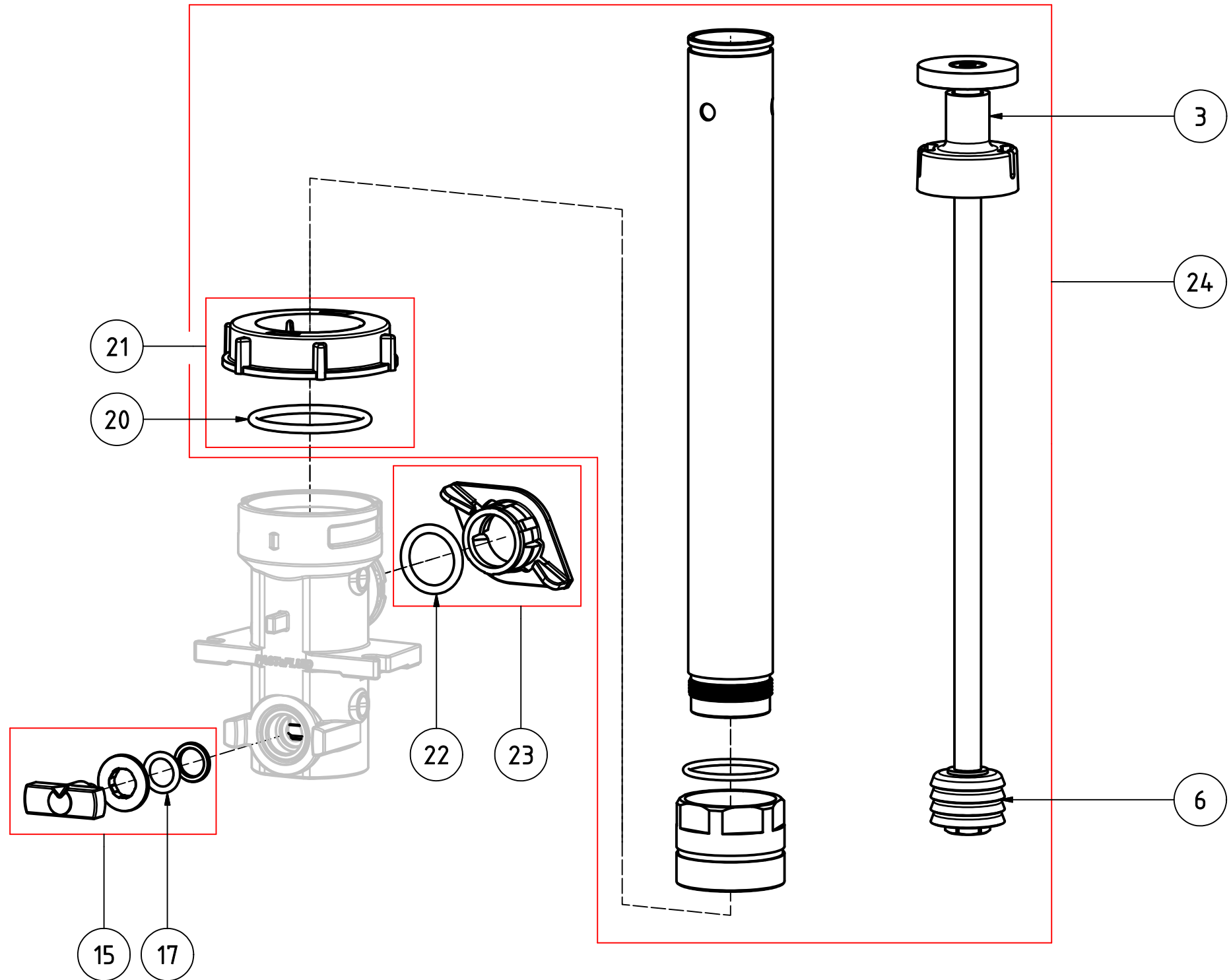
7362 Pump, Ballvalve, 300ml 1818310-SP



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1362230-SP	O-ring, can, vit, 15.88x2.62 10st	
2	1818242-SP	Tube clip, 16mm (set 5pcs)	
3	1818311-SP	Pumptube, 300ml, compl. (set 1 pc)	
6	1819936-SP	cap, tube, 10-oz, 5pcs	
7	1818542-SP	Piston, 300ml, 10pcs	
19	1818250-SP	lever, valve (set 5pcs)	
21	1863649-SP	O-ring, 8,5x2, lever, ballv, 10pcs	
23	1818248-SP	O-ring, 32x2.5 (10 pcs)	
24	1818240-SP	Ring, tube, 100ml, (set 5pcs)	

7363

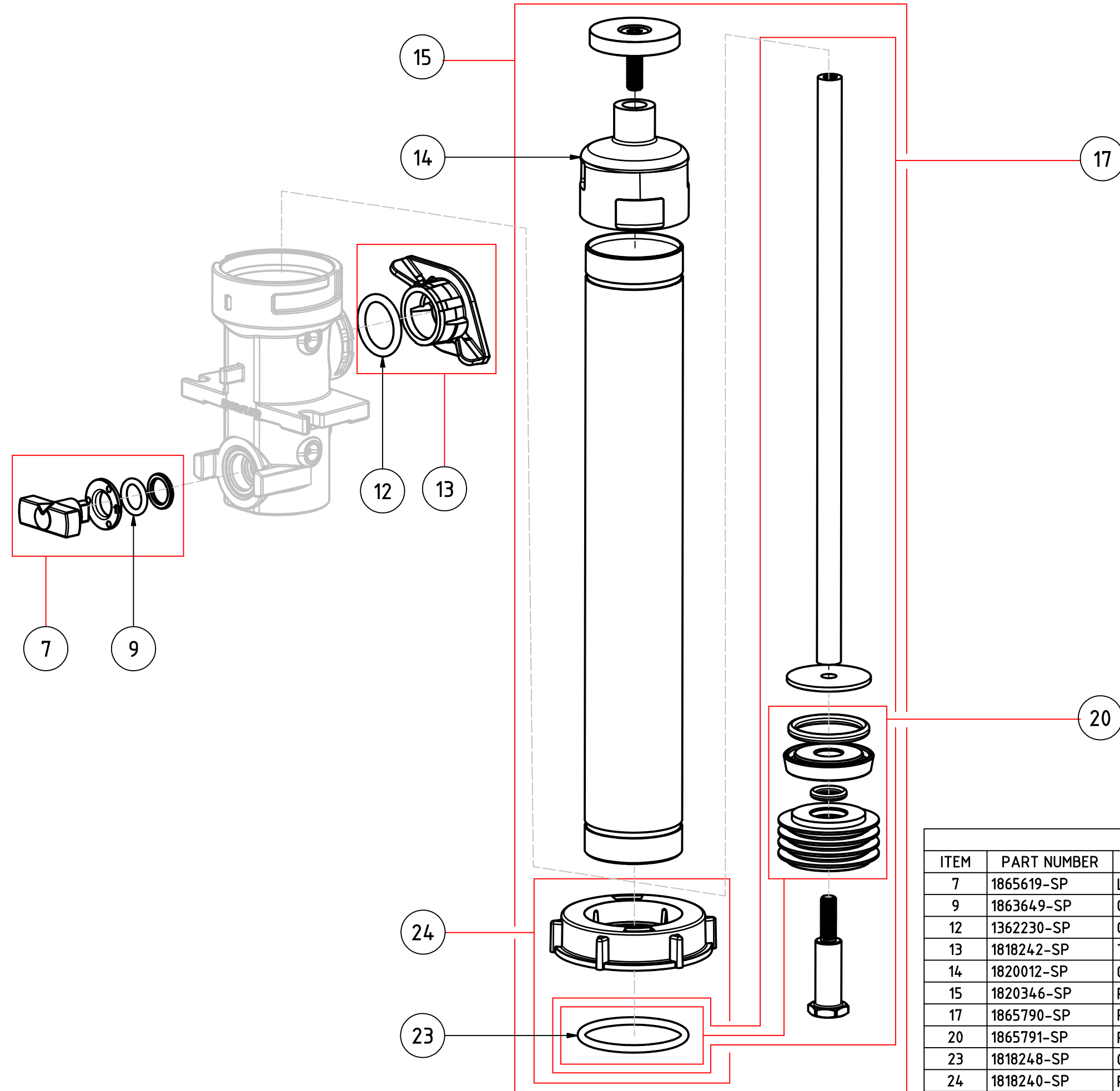
Pump,Ballvalve,55ml,Sample 1819612-SP



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
3	1813428-SP	cap,tube,2-oz,5pcs	
6	1820004-SP	Piston,55ml,Sample (set 5pcs)	
15	1865619-SP	lever,valve (set 5pcs)	
17	1863649-SP	O-ring,8,5x2,lever,ballv,10pcs	
20	1818248-SP	O-ring,32x2.5 (10 pcs)	
21	1818240-SP	Ring,tube,100ml, (set 5pcs)	
22	1362230-SP	O-ring,can,vit,15.88x2.62 10st	
23	1818242-SP	Tube clip, 16mm (set 5pcs)	
24	1865739-SP	Pumptube,assy,55ml,sample disp	

7364

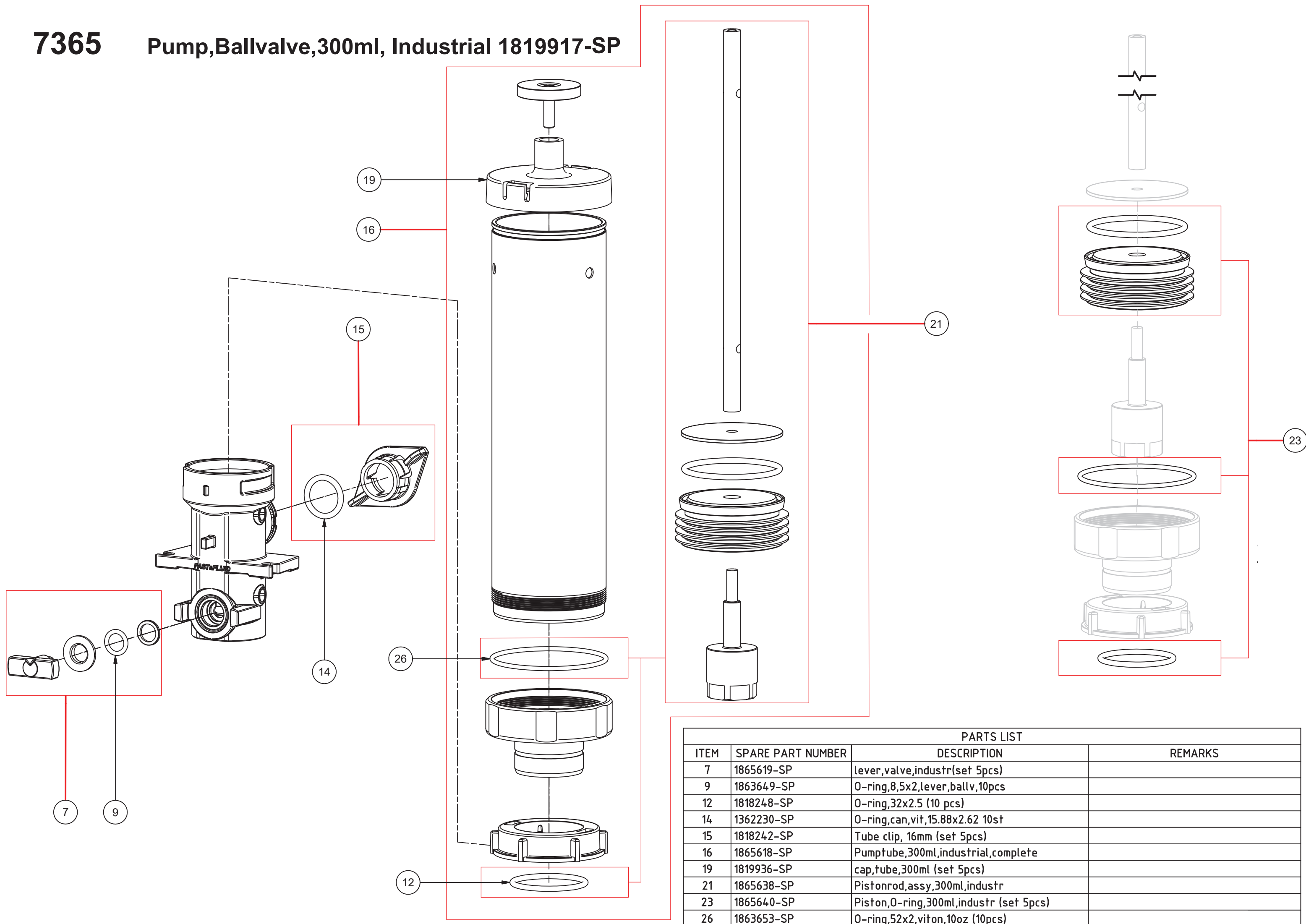
Pump,Ballvalve,100ml hybrid 1830356-SP



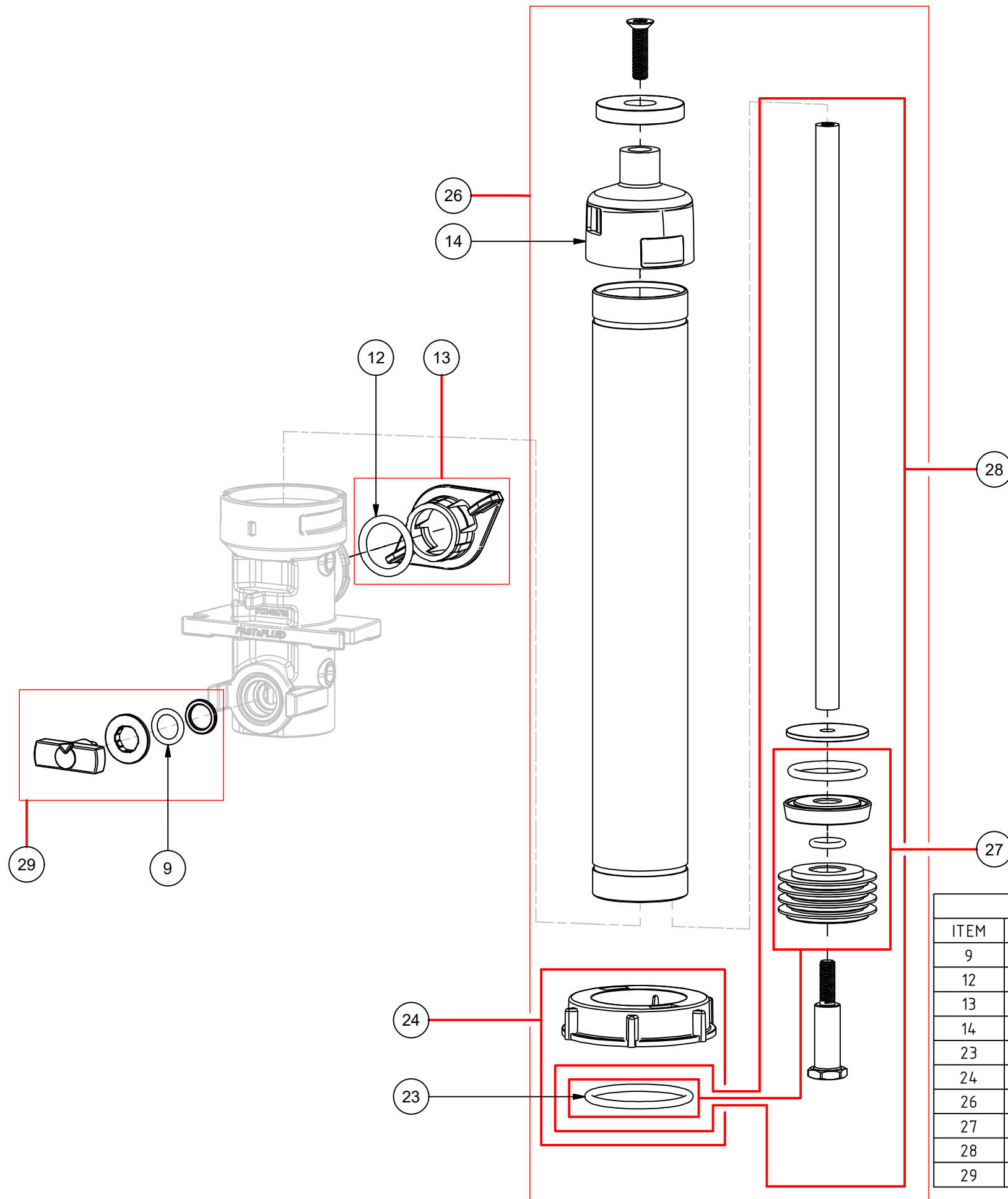
PARTS LIST				
ITEM	PART NUMBER	DESCRIPTION	REMARKS	QTY
7	1865619-SP	Lever, valve, industr (set 5 pcs)		1
9	1863649-SP	O-ring, 8.5x2, lever, ballv, 10pcs		1
12	1362230-SP	O-ring, can, vit, 15.88x2.62, 10pcs		1
13	1818242-SP	Tube clip, 16mm (set 5pcs)		1
14	1820012-SP	Cap, tube, industrial (set 5pcs)		1
15	1820346-SP	Pumptube, 100ml, HPP, compl (set 1pc)		1
17	1865790-SP	Piston, rod, assy, 100ml, HPP		1
20	1865791-SP	Piston, 100ml, HPP (set 5pcs)		1
23	1818248-SP	O-ring, 32x2.5 (10pcs)		1
24	1818240-SP	Ring, tube, 100ml (set 5pcs)		1

7365

Pump,Ballvalve,300ml, Industrial 1819917-SP



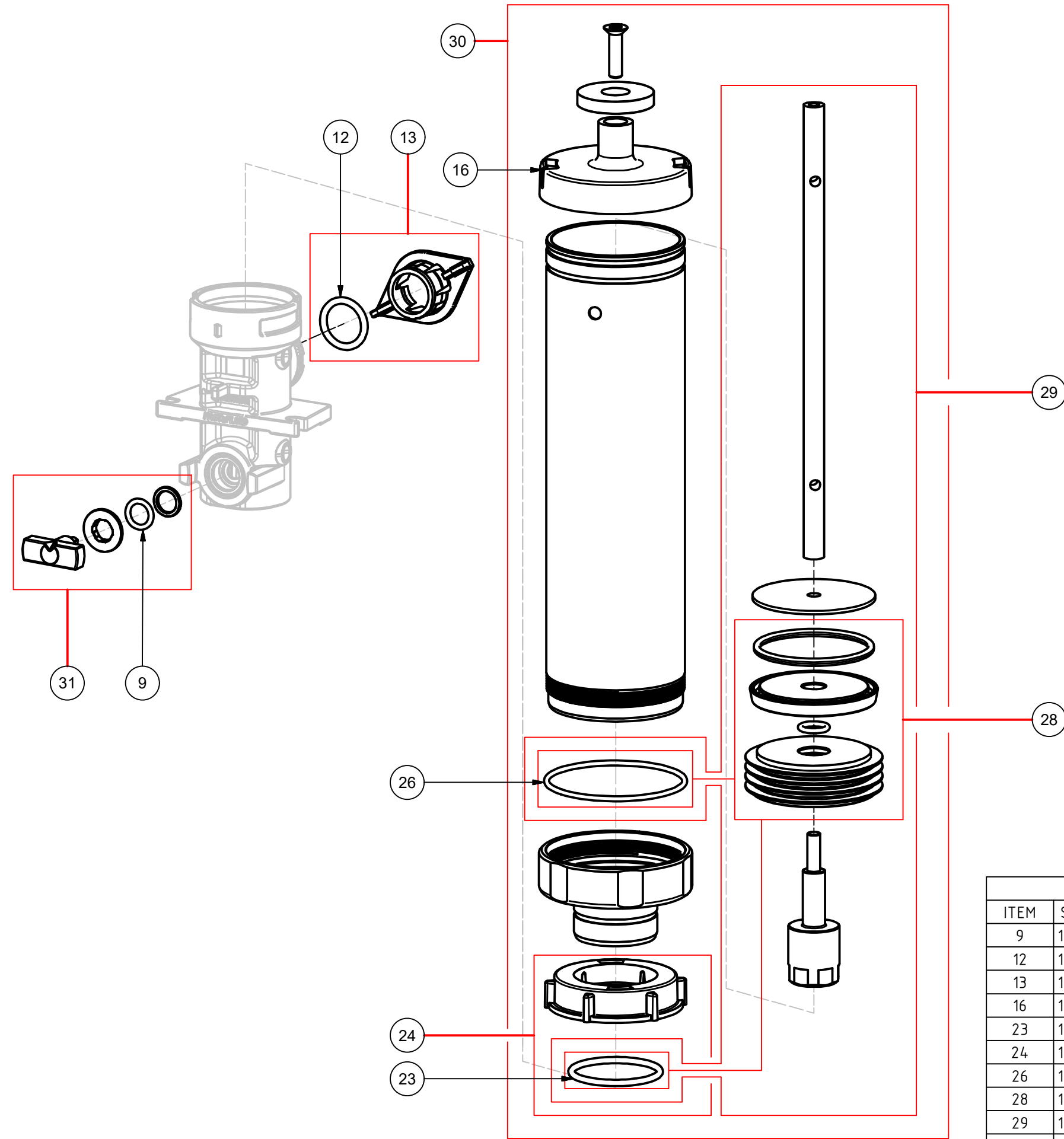
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
7	1865619-SP	lever, valve, industr(set 5pcs)	
9	1863649-SP	O-ring, 8,5x2, lever, ballv, 10pcs	
12	1818248-SP	O-ring, 32x2.5 (10 pcs)	
14	1362230-SP	O-ring, can, vit, 15.88x2.62 10st	
15	1818242-SP	Tube clip, 16mm (set 5pcs)	
16	1865618-SP	Pumptube, 300ml, industrial, complete	
19	1819936-SP	cap, tube, 300ml (set 5pcs)	
21	1865638-SP	Pistonrod, assy, 300ml, industr	
23	1865640-SP	Piston, O-ring, 300ml, industr (set 5pcs)	
26	1863653-SP	O-ring, 52x2, viton, 10oz (10pcs)	



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
9	1863649-SP	O-ring,8,5x2,lever,ballv,10pcs	
12	1362230-SP	O-ring,can,vit,15.88x2.62 10st	
13	1818242-SP	Tube clip, 16mm (set 5pcs)	
14	1820012-SP	Cap,tube,industrial (set 5pcs)	
23	1818248-SP	O-ring,32x2.5 (10 pcs)	
24	1818240-SP	Ring,tube,100ml, (set 5pcs)	
26	1820346-SP	Pumptube,100ml,HPP,compl.(set 1pc)	
27	1865791-SP	Piston,100ml,HPP (set 5pcs)	
28	1865790-SP	Piston,rod,assy,100ml,HPP	
29	1865619-SP	Lever, valve, industr(set 5 pcs)	

7367

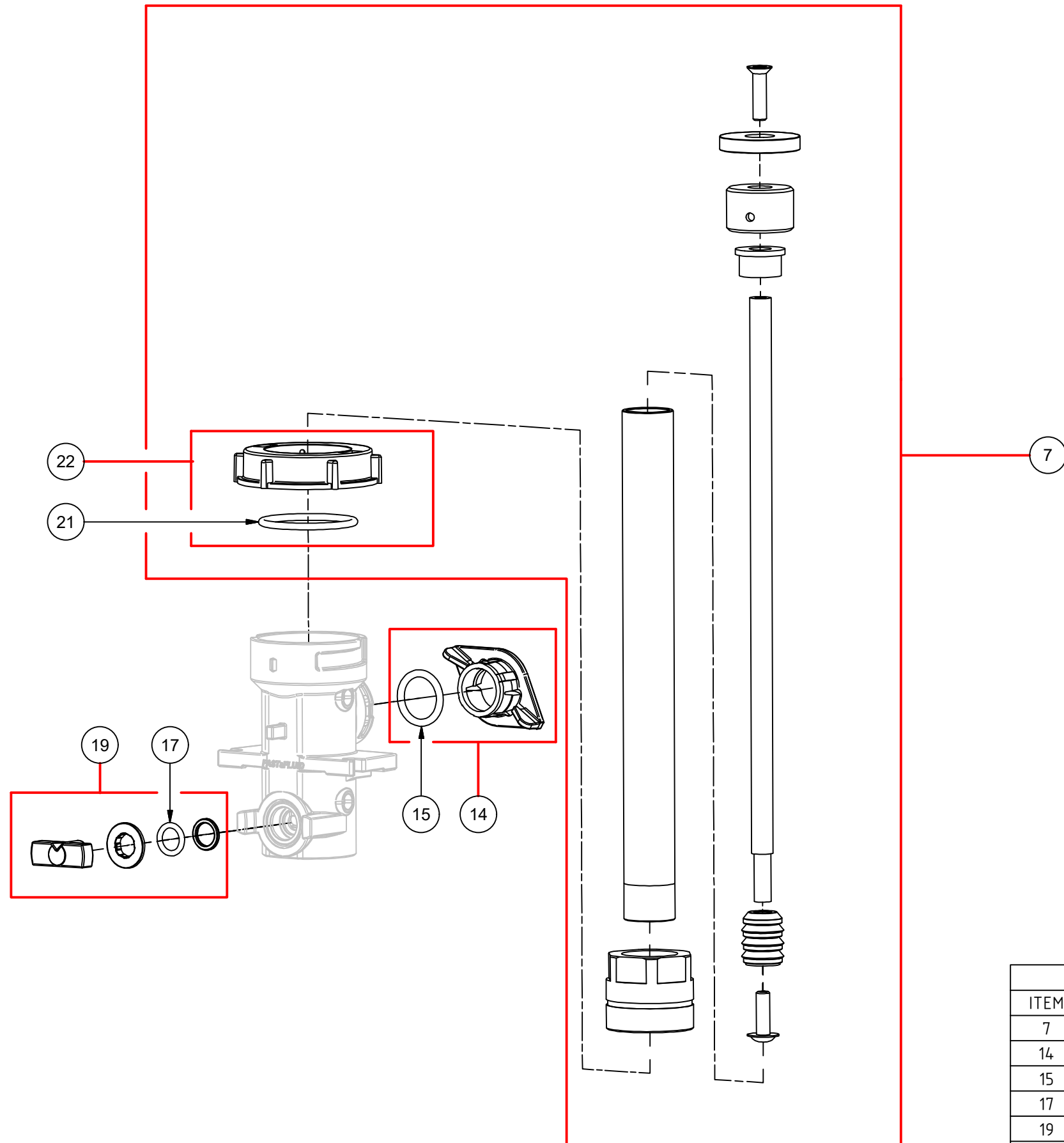
Pump,Ballvalve,300ml, high performance 1820328-SP



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
9	1863649-SP	O-ring,8,5x2,lever,ballv,10pcs	
12	1362230-SP	O-ring,can,vit,15.88x2.62 10st	
13	1818242-SP	Tube clip, 16mm (set 5pcs)	
16	1819936-SP	cap,tube,10-oz, 5pcs	
23	1818248-SP	O-ring,32x2.5 (10 pcs)	
24	1818240-SP	Ring,tube,100ml, (set 5pcs)	
26	1820423-SP	O-ring,52x2,viton,10oz (10pcs)	
28	1865794-SP	Piston,O-ring,300ml,HPP (set 5pcs)	
29	1865792-SP	Piston,rod,assy,300ml,HPP	
30	1820347-SP	HPP-tube,300ml,industr,compl	
31	1865619-SP	Lever, valve,industr(set 5 pcs)	

7368

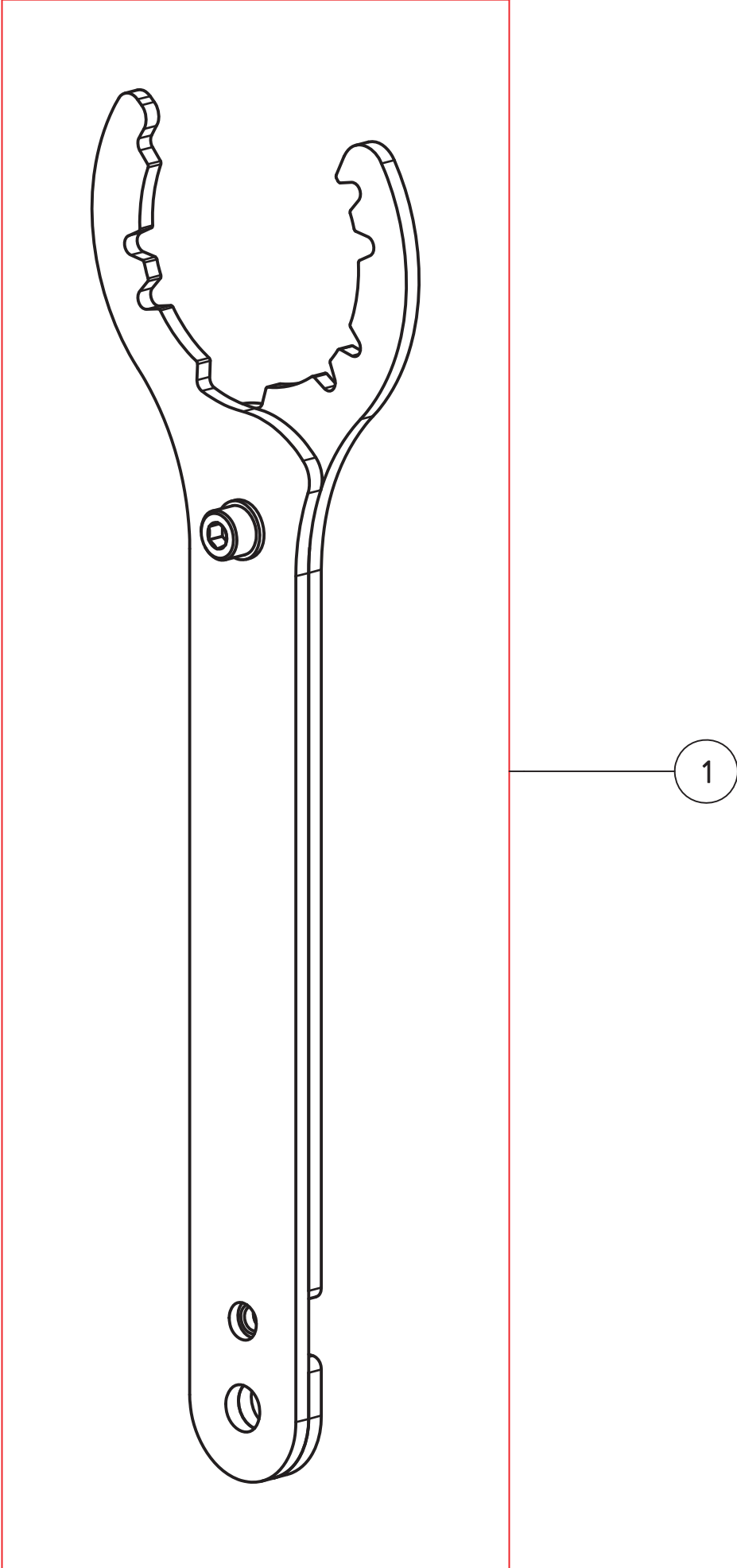
Pump,Ballvalve,29ml,Sample 1819671



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
7	1819668-SP	Pumptube,29ml,compl.(set 1pc)	
14	1818242-SP	Tube clip, 16mm (set 5pcs)	
15	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
17	1863649-SP	O-ring,8,5x2,lever,ballv,10pcs	
19	1865619-SP	lever,valve (set 5pcs)	
21	1818248-SP	O-ring,32x2.5 (10 pcs)	
22	1818240-SP	Ring,tube,100ml, (set 5pcs)	

7369

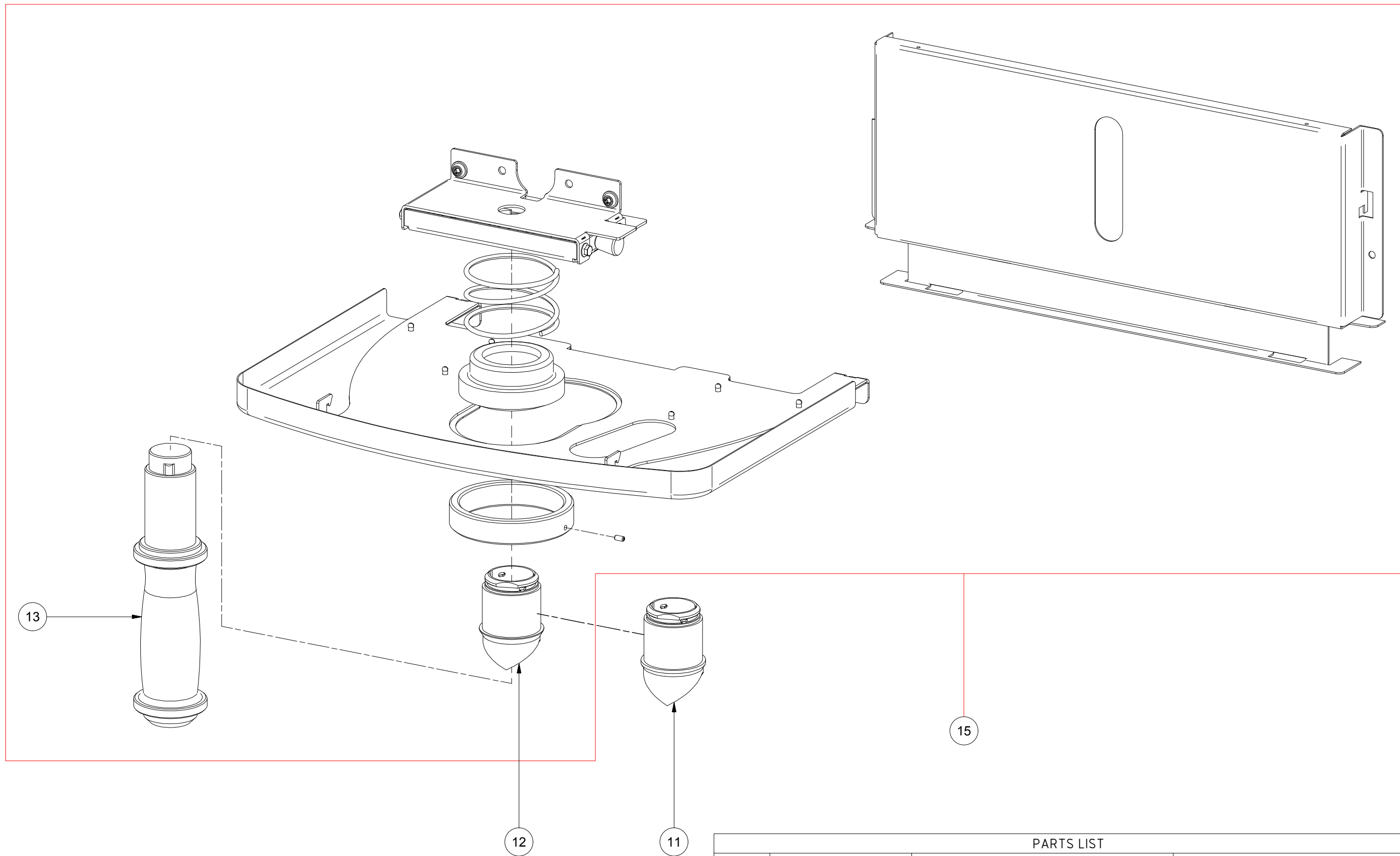
Tool 300 ml-pump



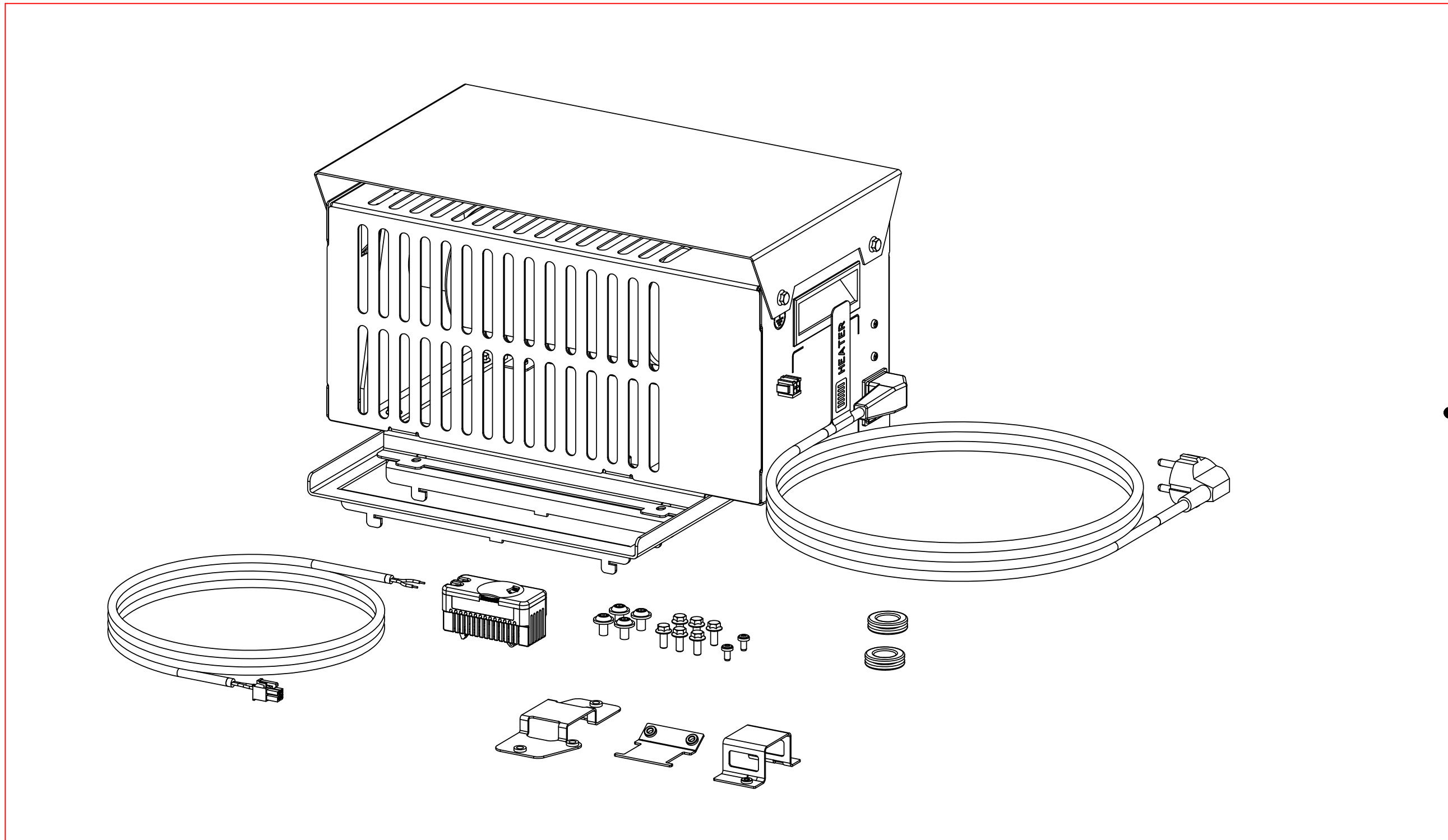
PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	18194.86-SP	Tool,nut,300ml-pump	

7371

Punch

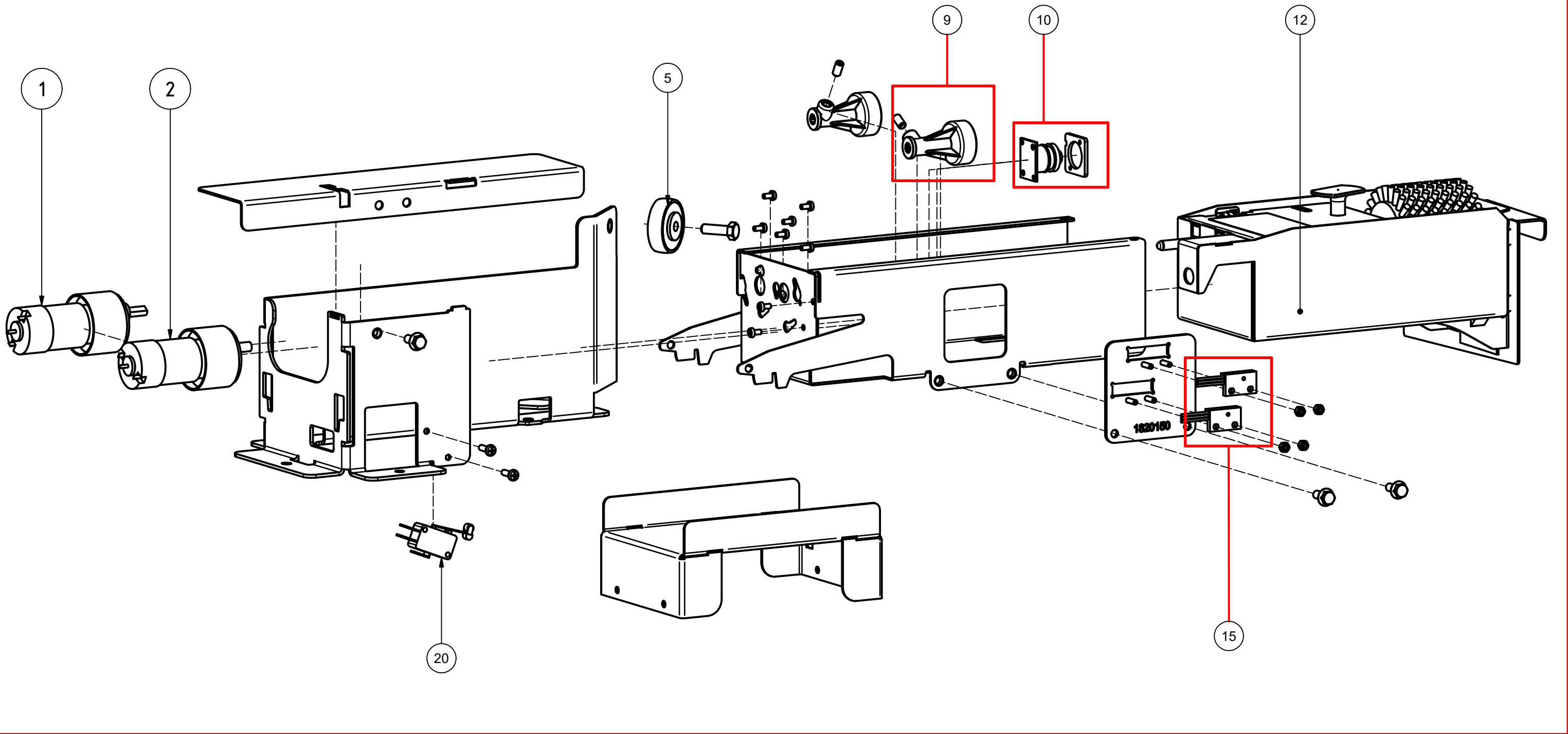


PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
11	1819444-SP	Blade,punch,4.8mm,2pcs	
12	1819370-SP	Blade,punch,4.6mm,2pcs	
13	1819362-SP	tool,punch,HA,HP	
15	1819009-SP	Electric punch HA480, complete	



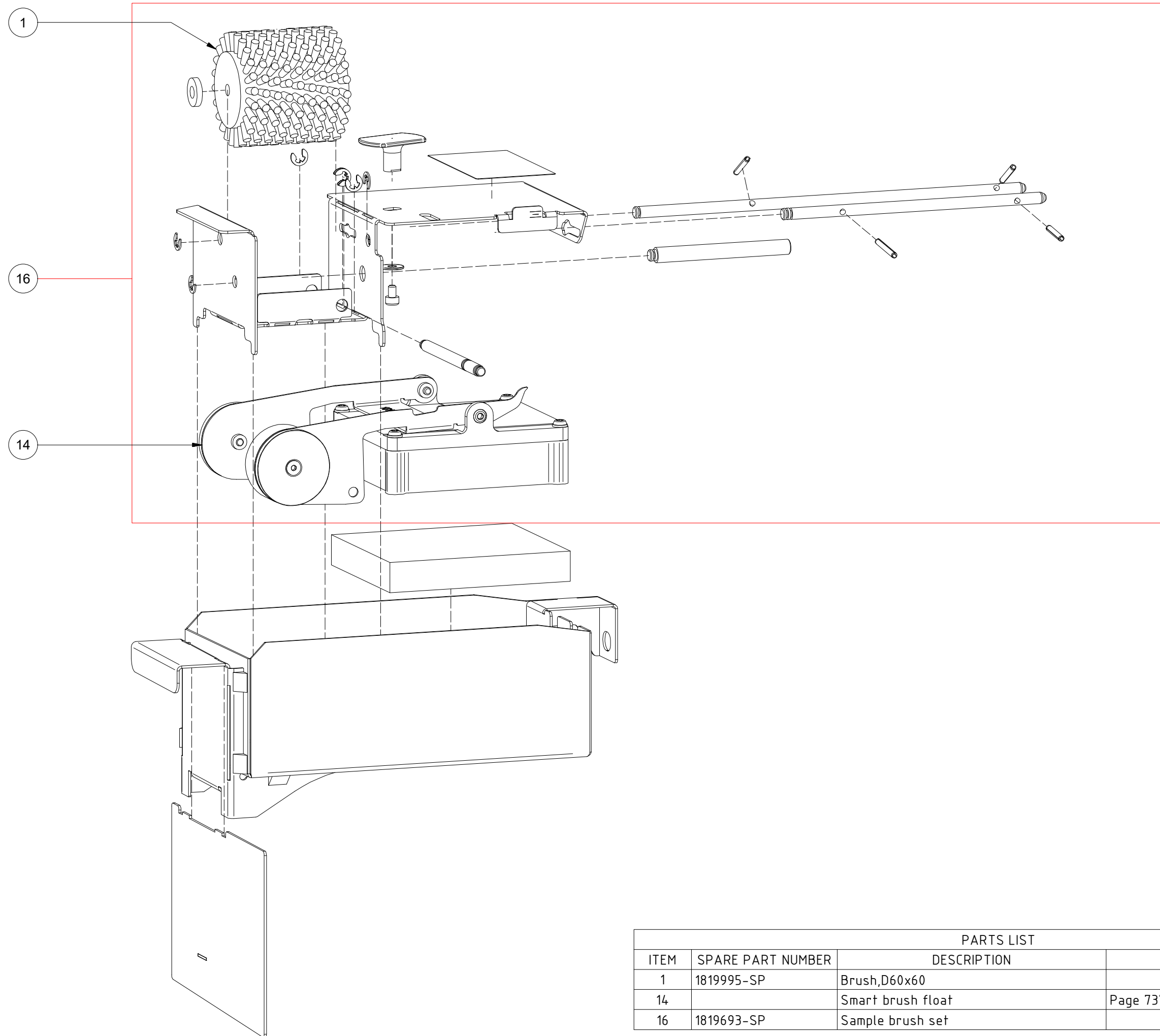
11

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
11	1819274-SP	Heating module	



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1863862-SP	Motor micro,158-24-200	
2	1862721-SP	Motor,micro,158-24-100	
5	1862422-SP	Wheel,traversing,centric,35mm	
9	1818735-SP	Coupling,fork,brush(set 1pc)	
10	1818541-SP	Latch,push-in/out	
12		Smart brush container	Page 7378
15	1820152-SP	Sensors set (2pcs)	
20	1160200-SP	Switch,micro,V-166-105(R)	
20	1819942-SP	Brush,Sample Dispenser	

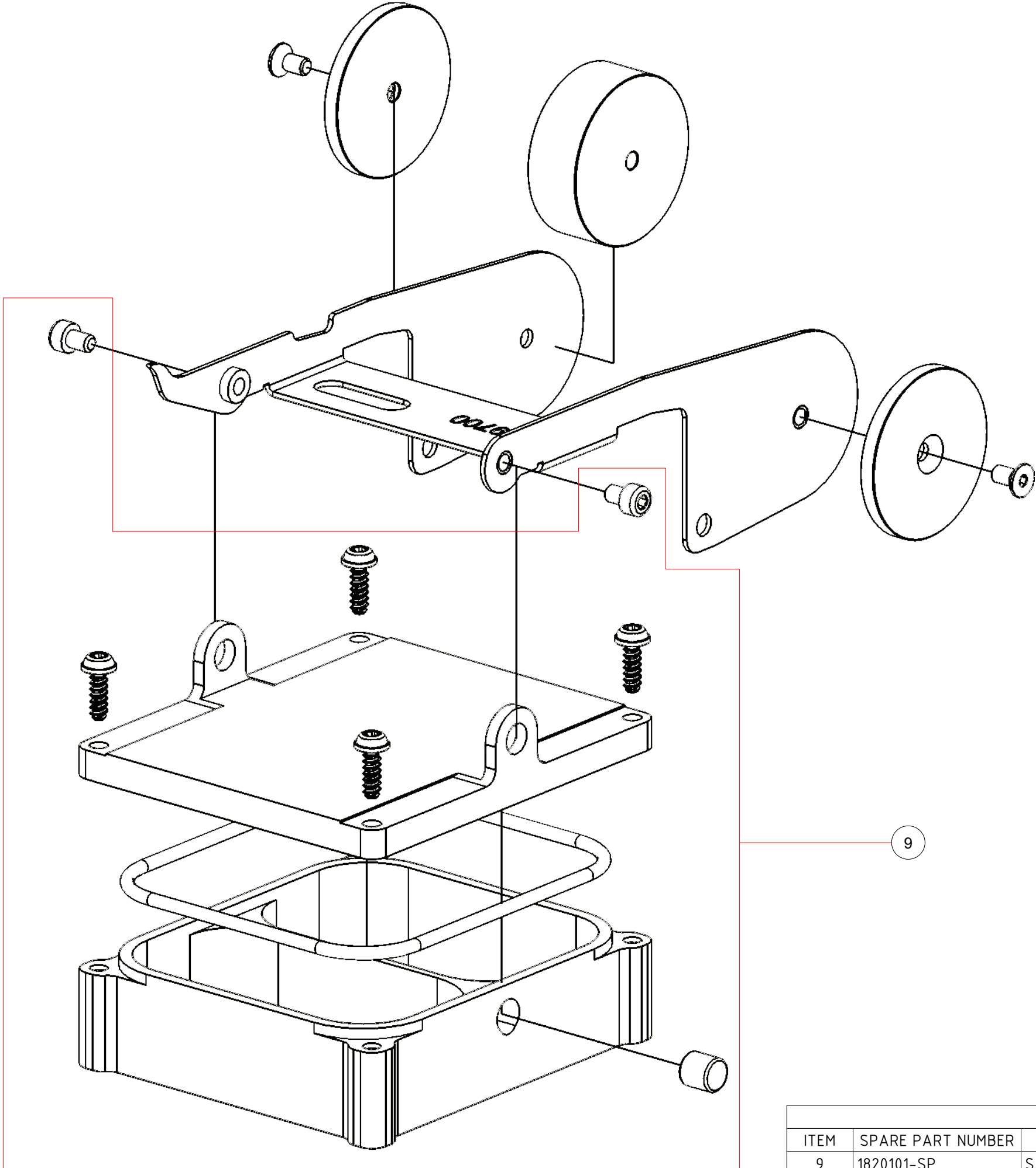
Sample brush container



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1819995-SP	Brush,D60x60	
14		Smart brush float	Page 7379
16	1819693-SP	Sample brush set	

7379

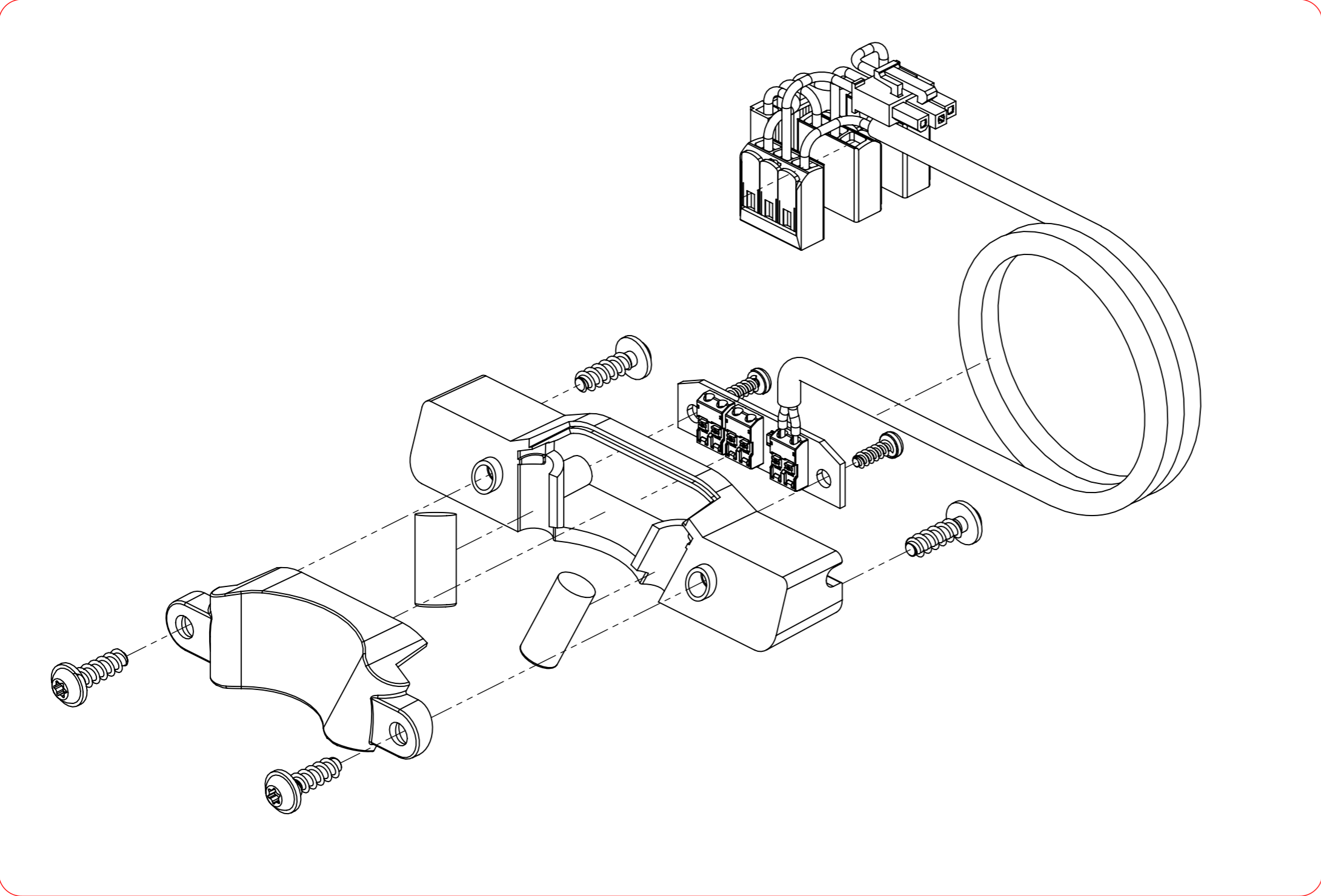
Sample brush float



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
9	1820101-SP	Sample brush float set	

7380

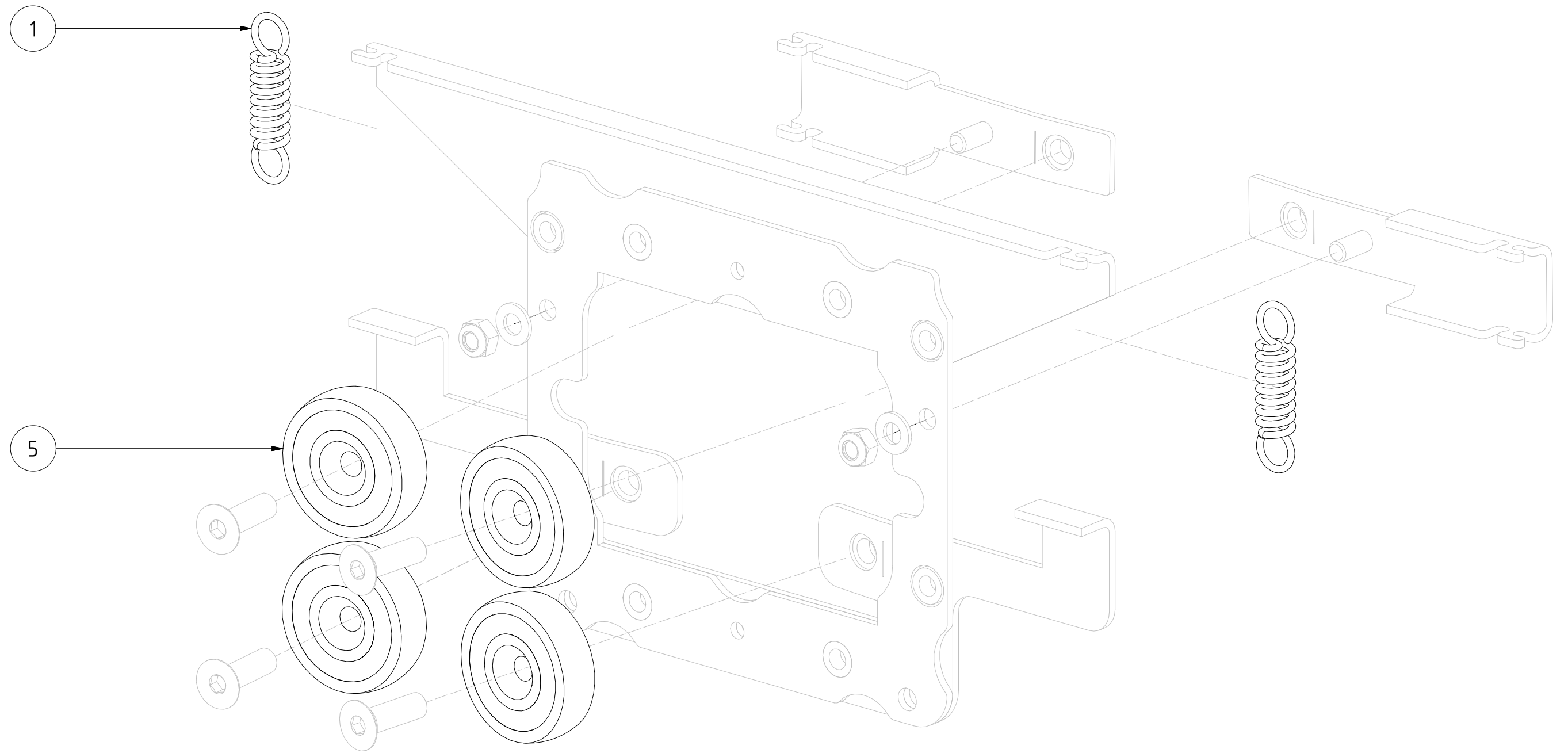
Can positioning light



SPARE PARTS LIST			
ITEM	PART #	DESCRIPTION	REMARK
1	1820312-SP	CPL, HAx80	

7381

Sample, bearing plate, valve motor



PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
1	1820536-SP	Spring (set 2pcs)	
5	1818698-SP	Wheel,asymmetric,35mm(set 4pcs)	