

Spare parts book HA450



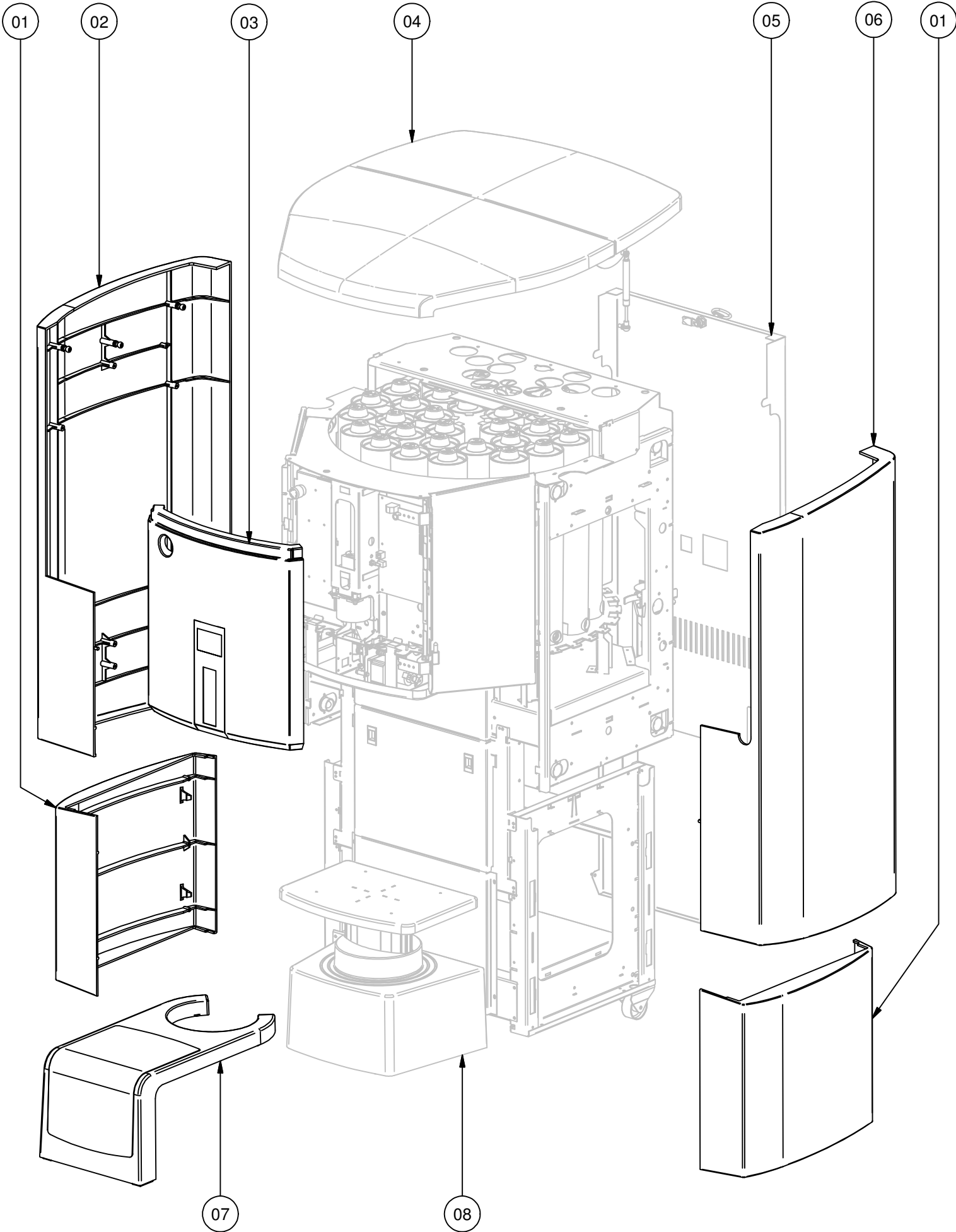
INDEX

Description	remarks	page
Panels		6900
Top frame parts.....		6901
Top panel.....		6905
Back panel.....		6906
Left door.....	Up to W01,2014 S.N.944545.....	6907-A
Left door.....	From W01,2014 S.N.944626.....	6907-B
 Frame		 6910
Can table.....		6911
 Mechanics		 6920
Valve motor		6921
Power supply.....	Part of cable tree 1818082	6922
Pump gripper.....		6923
 Sub frame		 6930
Canister plate		6931
Beam sub frame.....	Up to W02,2014 S.N.944338	6932-A
Beam sub frame.....	From W02,2014 S.N.944339	6932-B
Turntable motor		6933
High speed motor. (option).....		6934
Brush.....	Up to W18,2013 S.N. 931570	6935-A
Brush.....	From W18,2013 S.N.931570, till W02,2014 S.N.944338	6935-B
Brush.....	From W02,2014 S.N.944339	6935-C
Brush refill (option)	Up to W18,2013 S.N.931570.....	6936-A
Brush refill (option)	From W18,2013 S.N.931570, till W02,2014 S.N.944626	6936-B
Brush refill (option)	From W02,2014 S.N.944626	6936-C
 Canisters & pumps overview		 6940
 Canisters		 6940-1
2L,SST can,turn,1ex,POM agit. (option) 1814989..		6941
3L,SST can,turn,1ex,POM agit. (option) 1816186		6942
6L,SST can,turn,1ex,POM agit.(option) 1815737....		6943
2L,SST can, std,1ex,SST agit. 1814147.....		6944
3L,SST can,std,1ex,SST agit. 1863215.....		6945
6L,SST can,std,1ex,SST agit. 1863216.....		6946
10L,SST can,std,1ex,SST agit. 1810599		6947

INDEX

Description	remarks	page
Canisters (continued)		
2L,SST can,std,1ex,POM agit. 1814988		6948
3L,SST can,std,1ex,POM agit. 1809888		6949
6L,SST can,std,1ex,POM agit. 1810596.....		6950
6L,SST can,std,2ex,SST agit. 1864708		6951
10L,SST can,inn,2ex,SST agit. 1810602.....		6952
6L,SST can,std,2ex,POM agit. 1814168		6956
2L,POM can,std,1ex,POM agit. 1865000.....	Up to W52,2014 S.N.966294	6957-A
2L,POM can,std,1ex,POM agit. 1865010	From W01,2015 S.N.966294	6957-B
3L,POM can,std,1ex,POM agit. 1862307.....	Up to W31,2013 S.N.936405	6958-A
3L,POM can,std,1ex,POM agit. 1865001.....	From W31,2013 S.N.936405, till W52,2014 S.N.966294	6958-B
3L,POM can,std,1ex,POM agit. 1865011.....	From W01,2015 S.N.966294	6958-C
6L,POM can,std,1ex,POM agit. 1862380.....	Up to W32,2013 S.N.936405	6959-A
6L,POM can,std,1ex,POM agit. 1865002.....	From W32,2013 S.N.936405, till W52,2014 S.N.966294	6959-B
6L,POM can,std,1ex,POM agit. 1865002.....	From W01,2015 S.N.966294	6959-C
Ball valves		6940-1
1oz RVS Ball valve. 1814533		6961
2oz RVS Ball valve. 1863711		6962
5oz RVS Ball valve. 1863712.....		6963
10oz RVS Ball valve. 1863713.....		6964
Tubes overview		6940-2
Options		
Punch.....		6971
Heating set.....		6972
Piston detector	Up to W43,2010 S.N.871237	6975-A
Piston detector. 1864594.....	From W43,2010 S.N.871238	6975-B
Can position indicator		6977
Spanner mechanism		6980

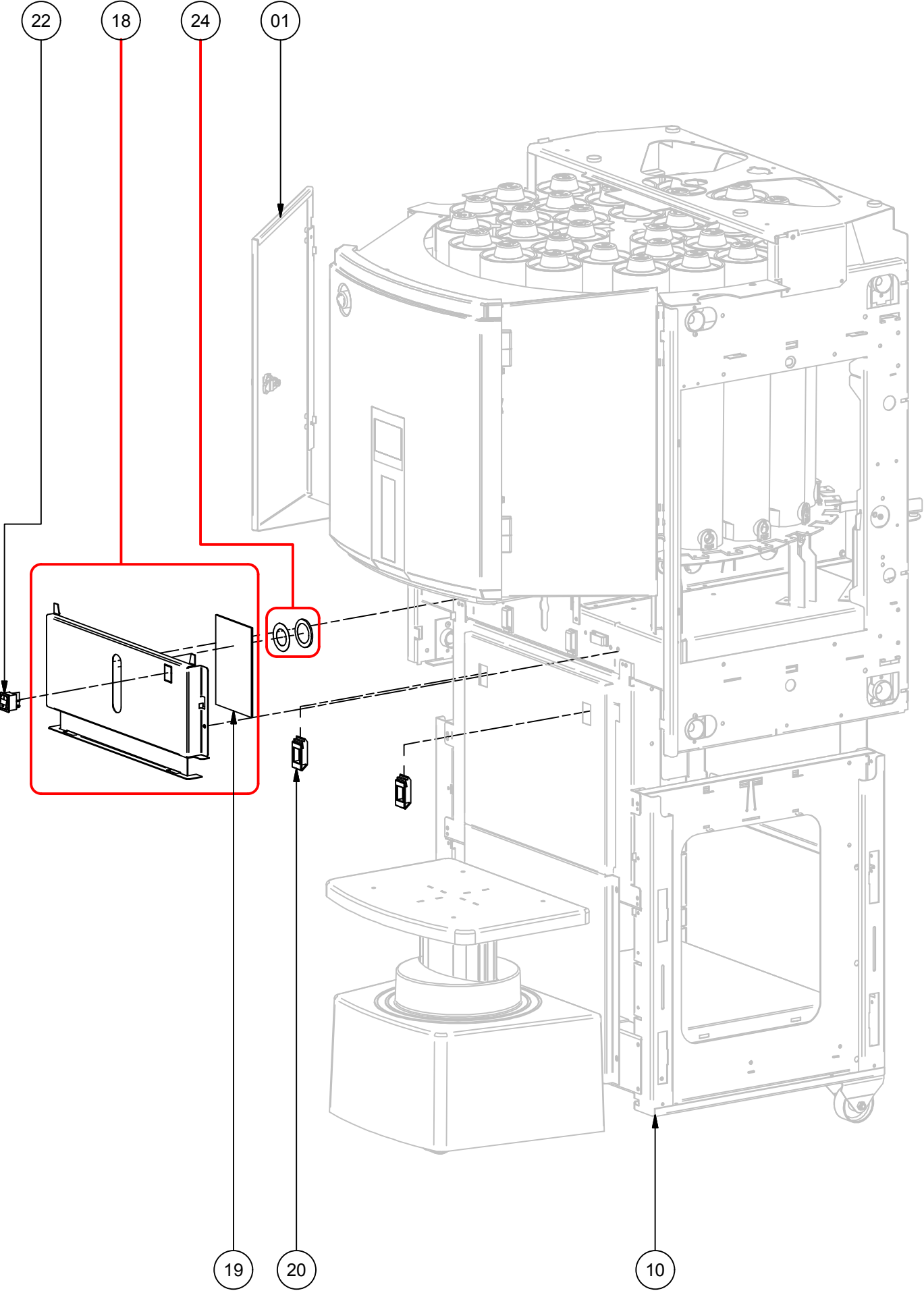
6900 Panels



6900 Panels

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1863914-SP	Panel,LR,bottom,HA450	
02	1863912-SP	Panel,L,HA450	
02	1863912-D-SP	Panel,L,HA450,RAL7016	
03	1817842-SP	Panel,front,HA,STD	
03	1817842-D-SP	Panel,front,HA,CE,RAL7016	
04			Page 6905
05			Page 6906
06	1863913-SP	Panel,R,HA450	
06	1863913-D-SP	Panel,R,HA450,RAL7016	
07	1864480-SP	Step,Hx50	
08			Page 6901

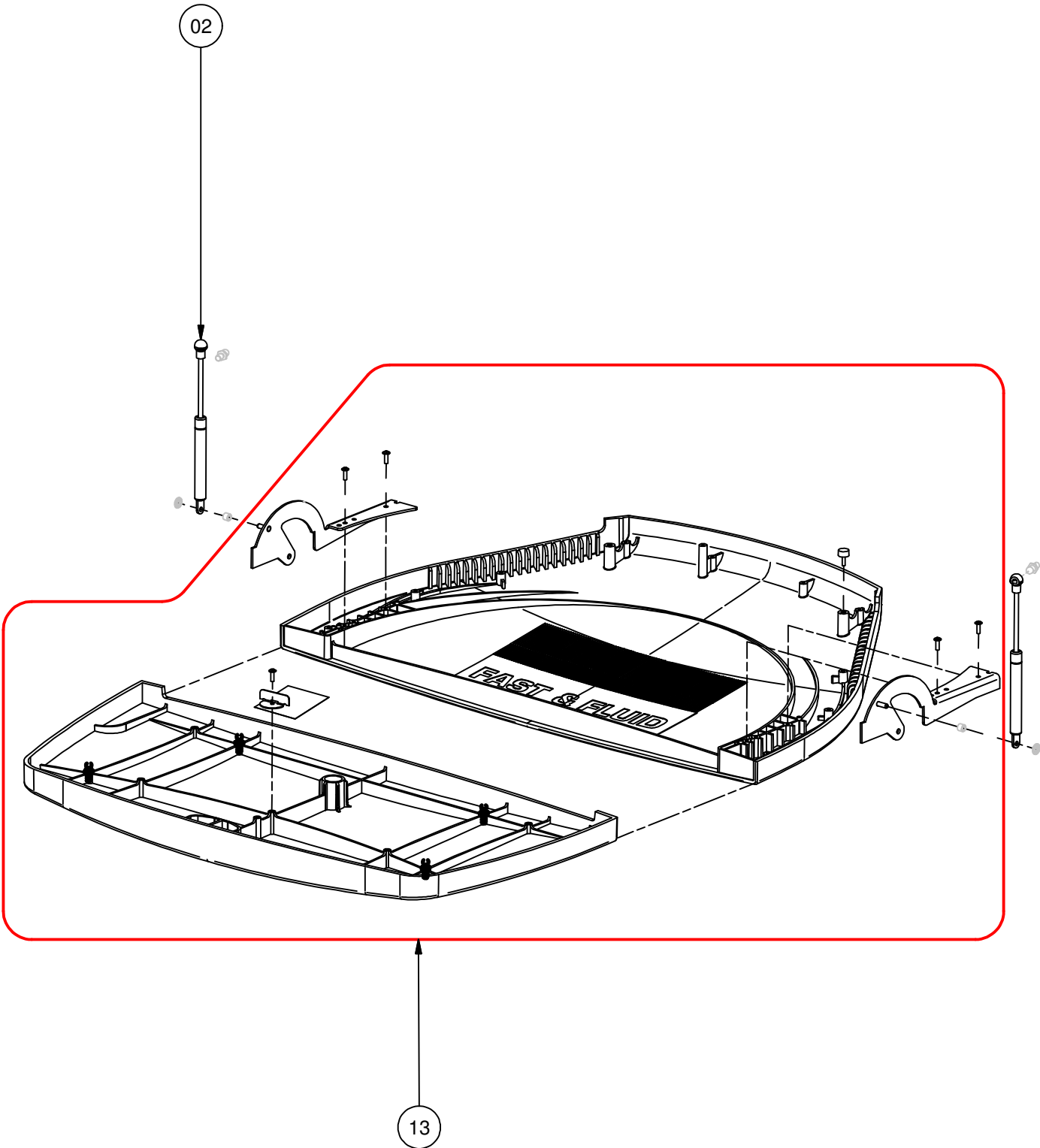
6901 Top frame parts



6901 Top frame parts

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01		Door left	Page 6907
10		Frame	Page 6910
18	1814534-SP	panel,front,up,std & multisens	
19	1864374-SP	Glass,cansensor,110x163x3	
20	1862332-SP	Latch,slide,40-525, 2 pcs	
22	1170076-SP	Switch,on/off,red,16A	
24	1861128-SP	Glass,cansensor D50x2 + tape	

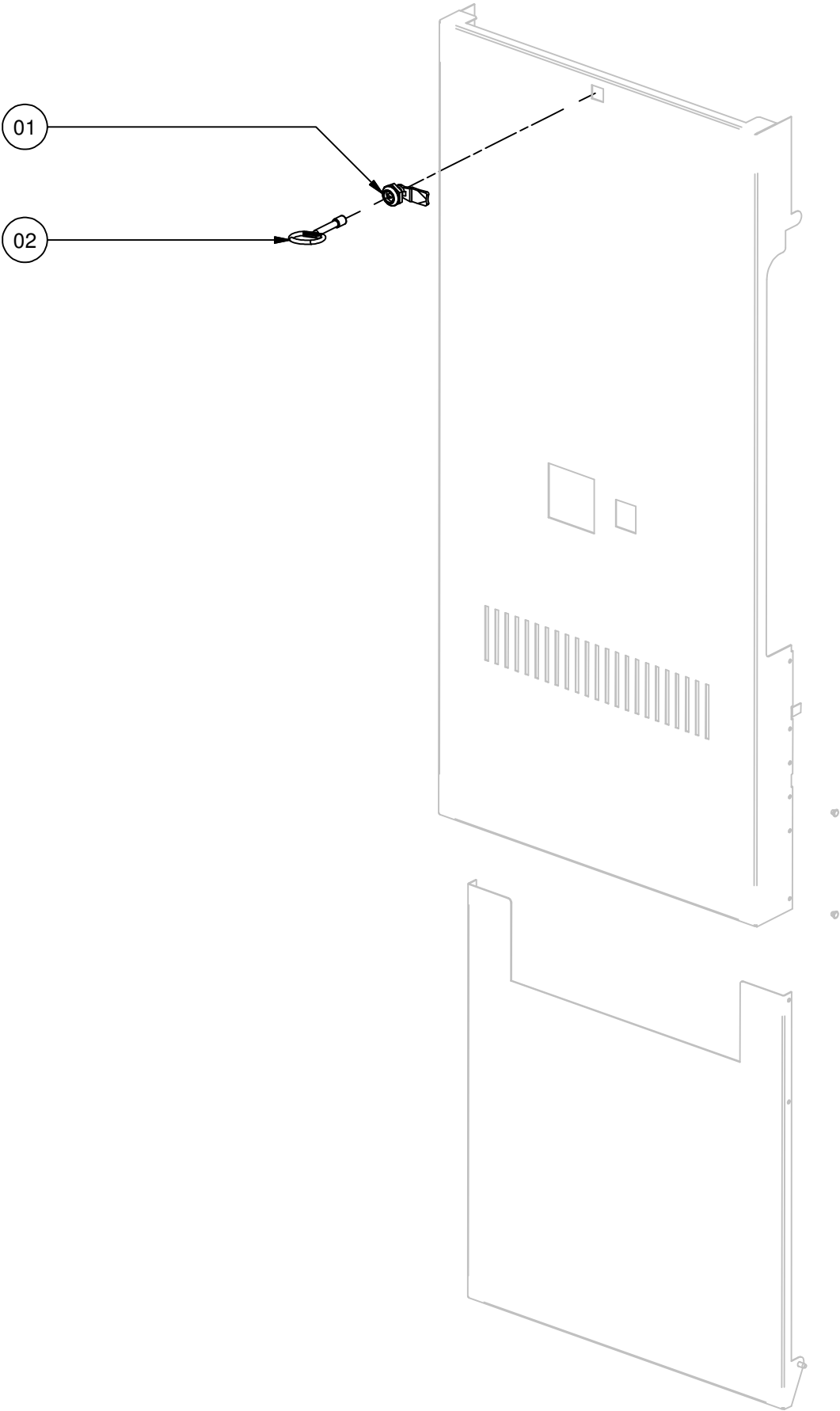
6905 Top panel



6905 Top panel

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
02	1814.025-SP	Gas-spring,50N,0849RX,2pcs	
13	1865610-SP	Top cover set, 499B5	
13	1865611-SP	Top cover set, RAL7016	

6906 Back panel

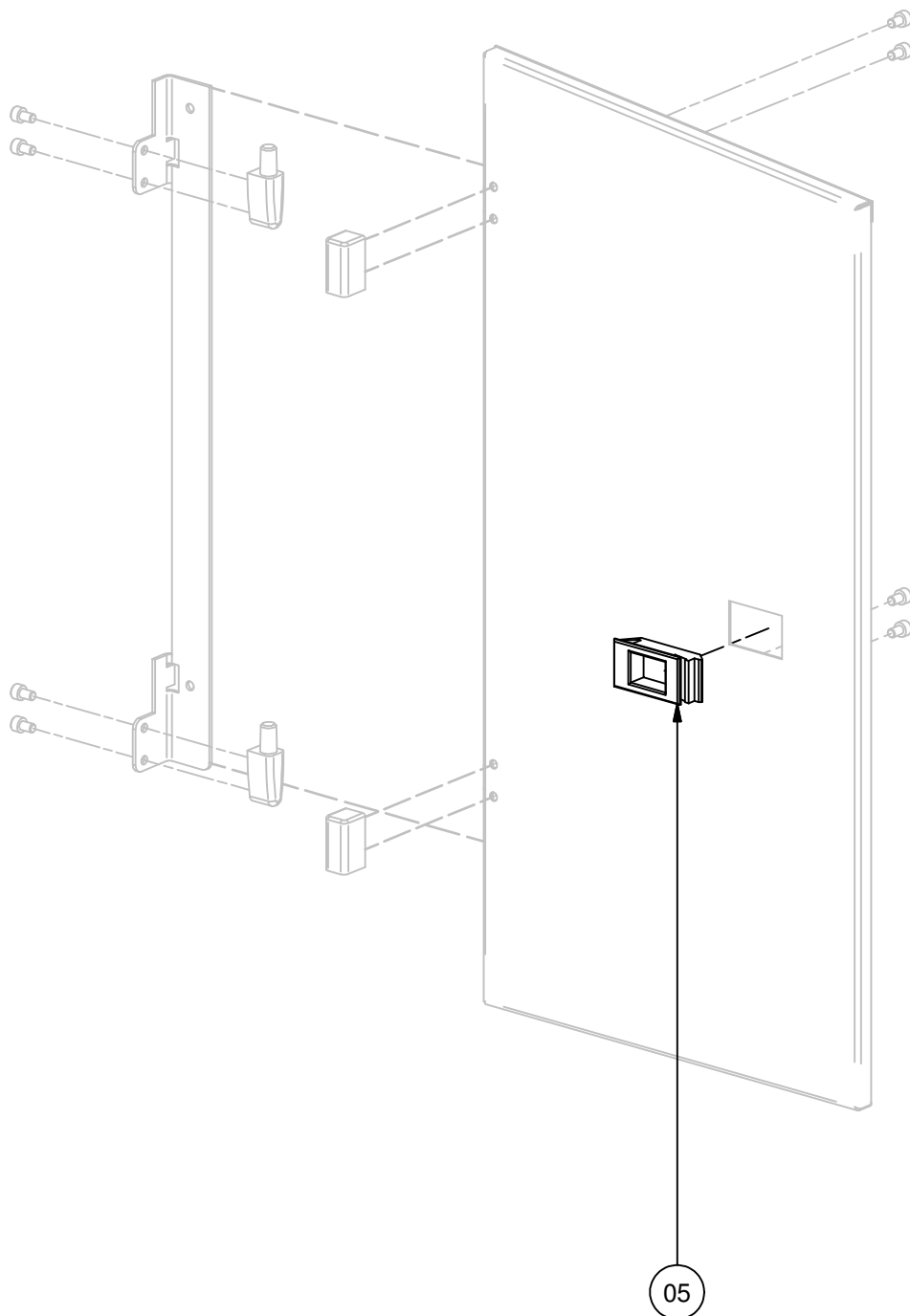


6906 Back panel

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1862860-SP	Quad,panel,lat che	
02	1111010-SP	Key,triangle	

6907-A Left door

Up to W01,2014 S.N.944338



6907-A

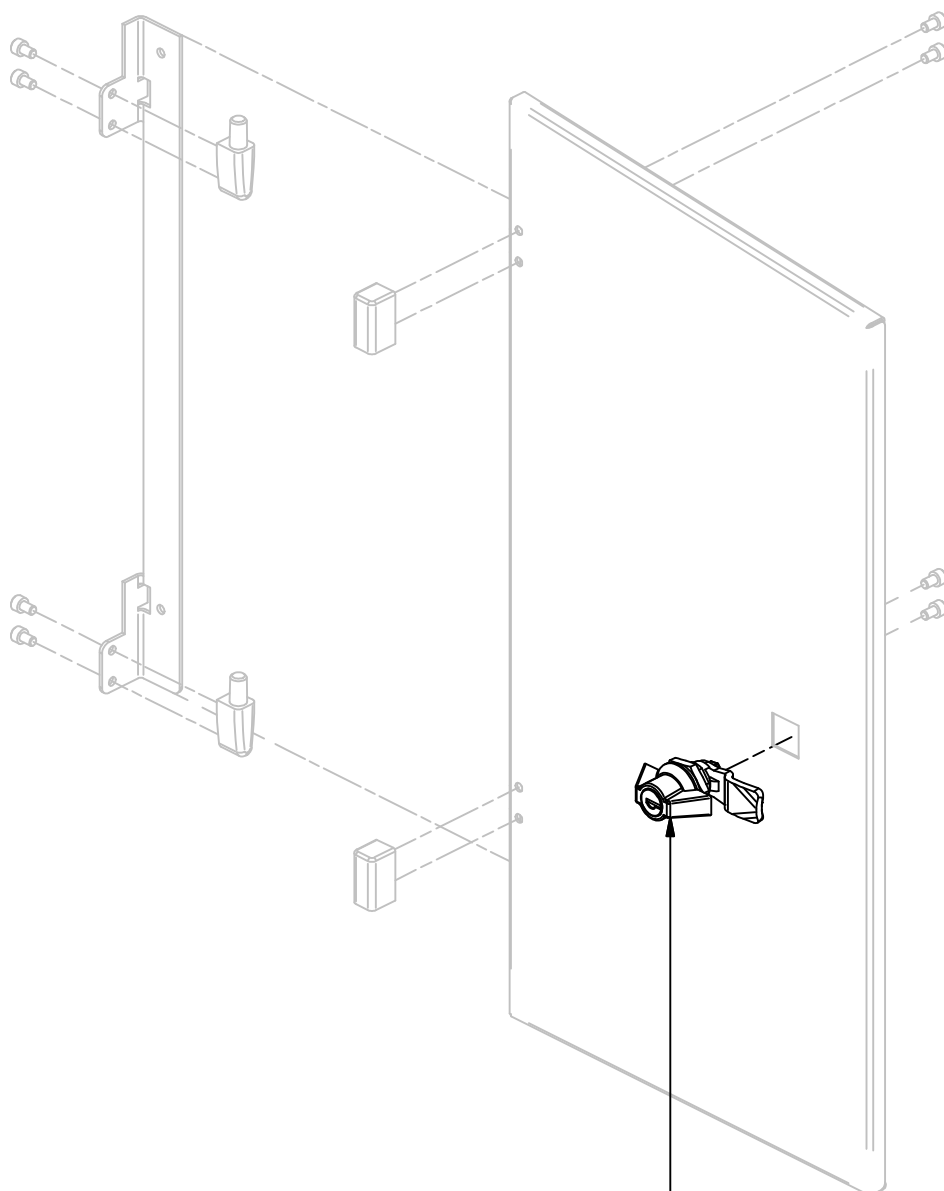
Left door

Up to W01,2014 S.N.944338

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
05	1862332-SP	Latch,slide,40-525, 2 pcs	

6907-B Left door

From W01,2014 S.N.944339



05

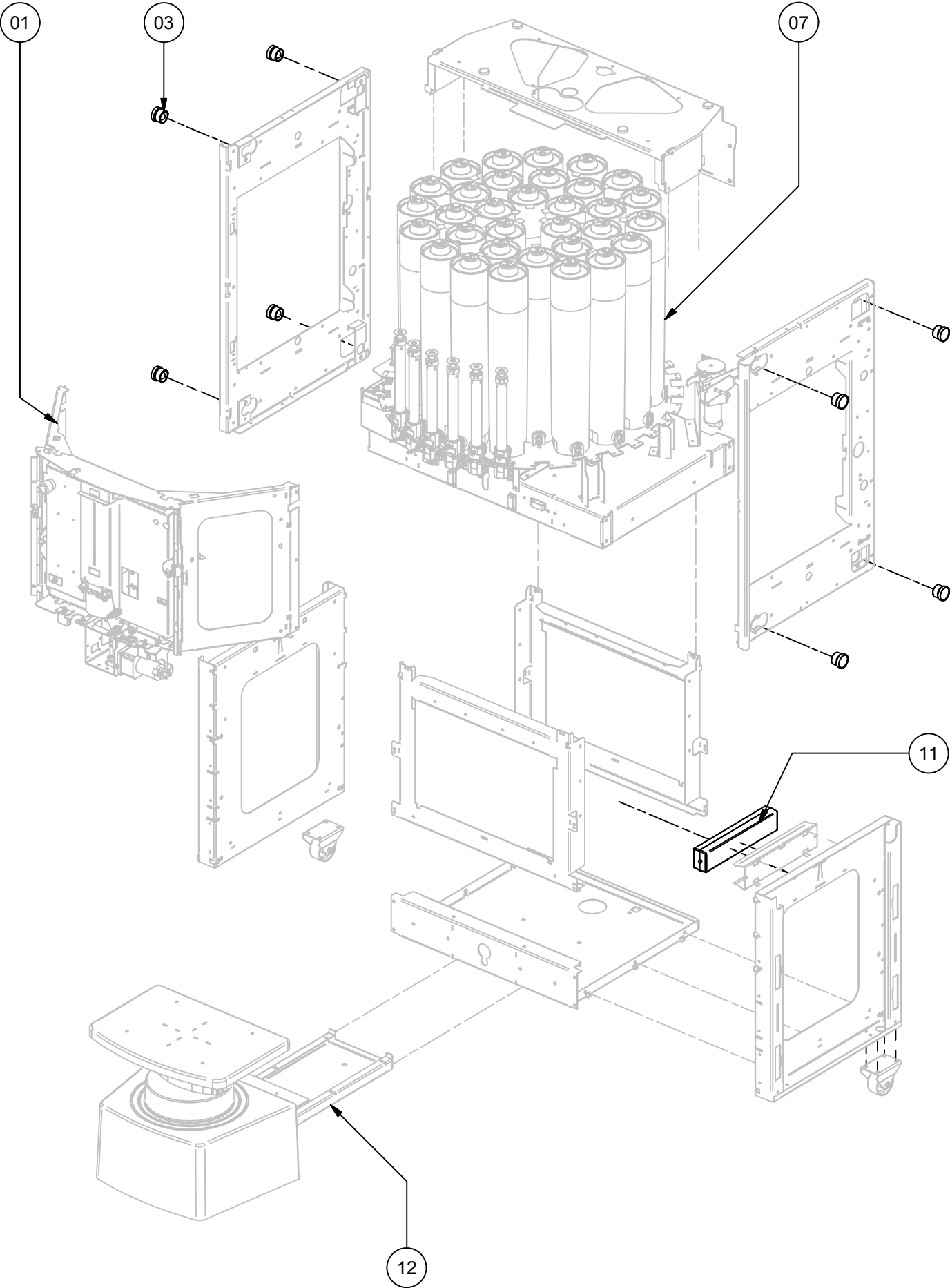
6907-B

Left door

From W01,2014 S.N.944339

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
05	1817805-SP	Lock,key,†wist	

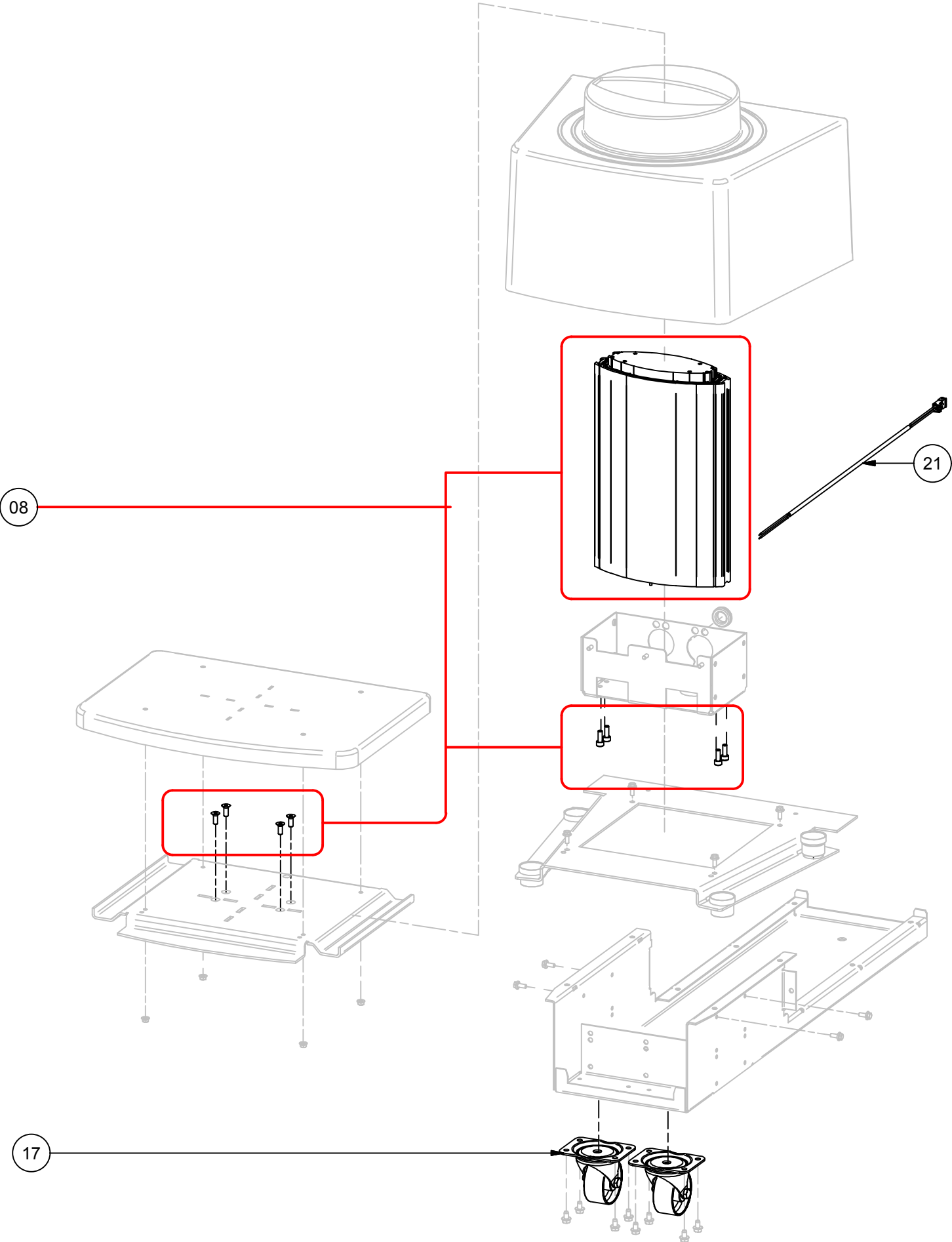
6910 Frame



6910 Frame

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01		Mechanics	Page 6920
03	1863901-SP	Coupling,snaplock,Ø15,black,4x	
07		Subframe	Page 6930
11	1815331-SP	Cable,netentry-WCD	
12		Cantable	Page 6911

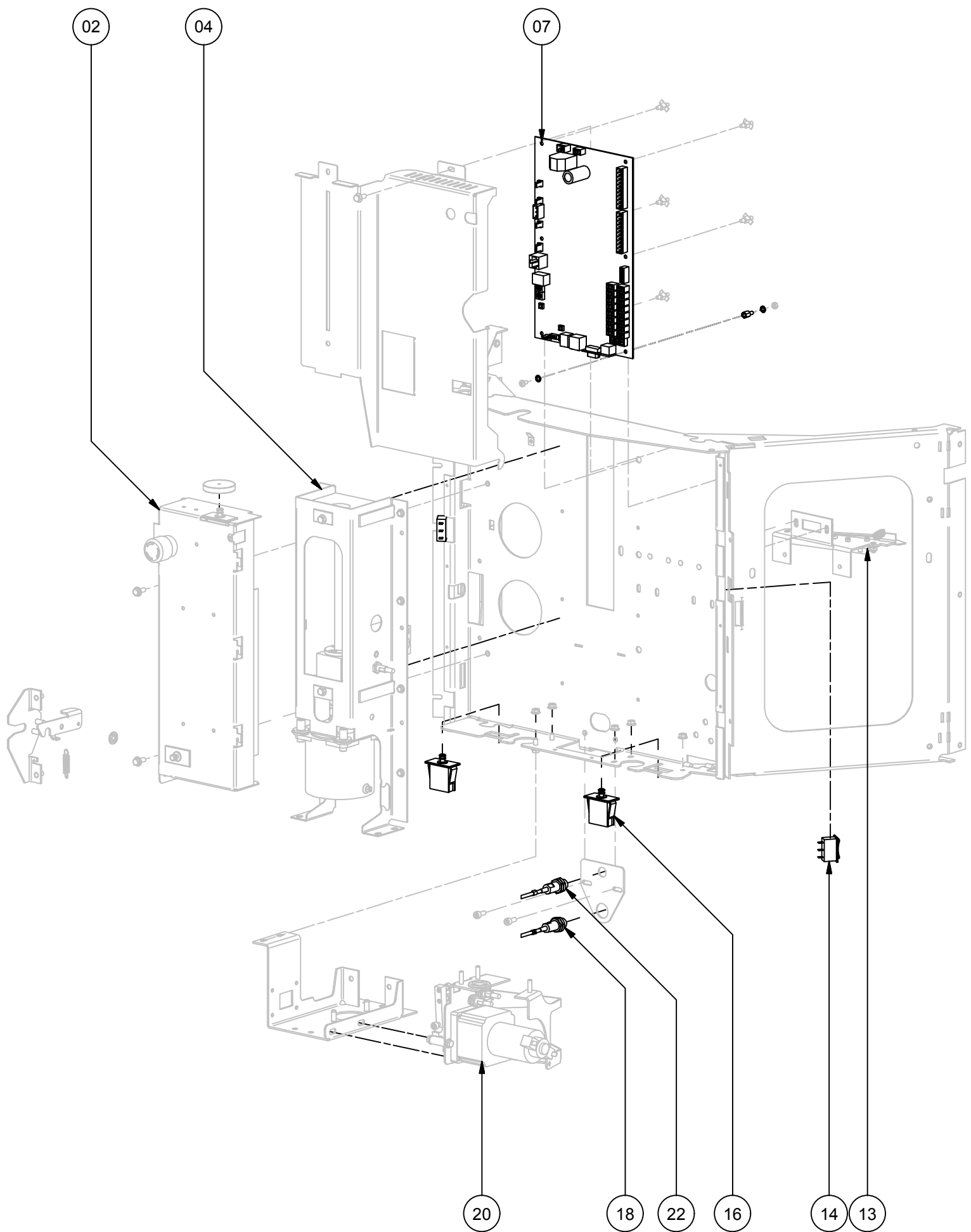
6911 Cantable



6911 Cantable

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
08	1862015-SP	Actuator,cantable+ screws,8x	
17	1110340-SP	Wheel,swiveling,set 4 pcs	
21	1863480-SP	Repair kit,cable defect cant.	

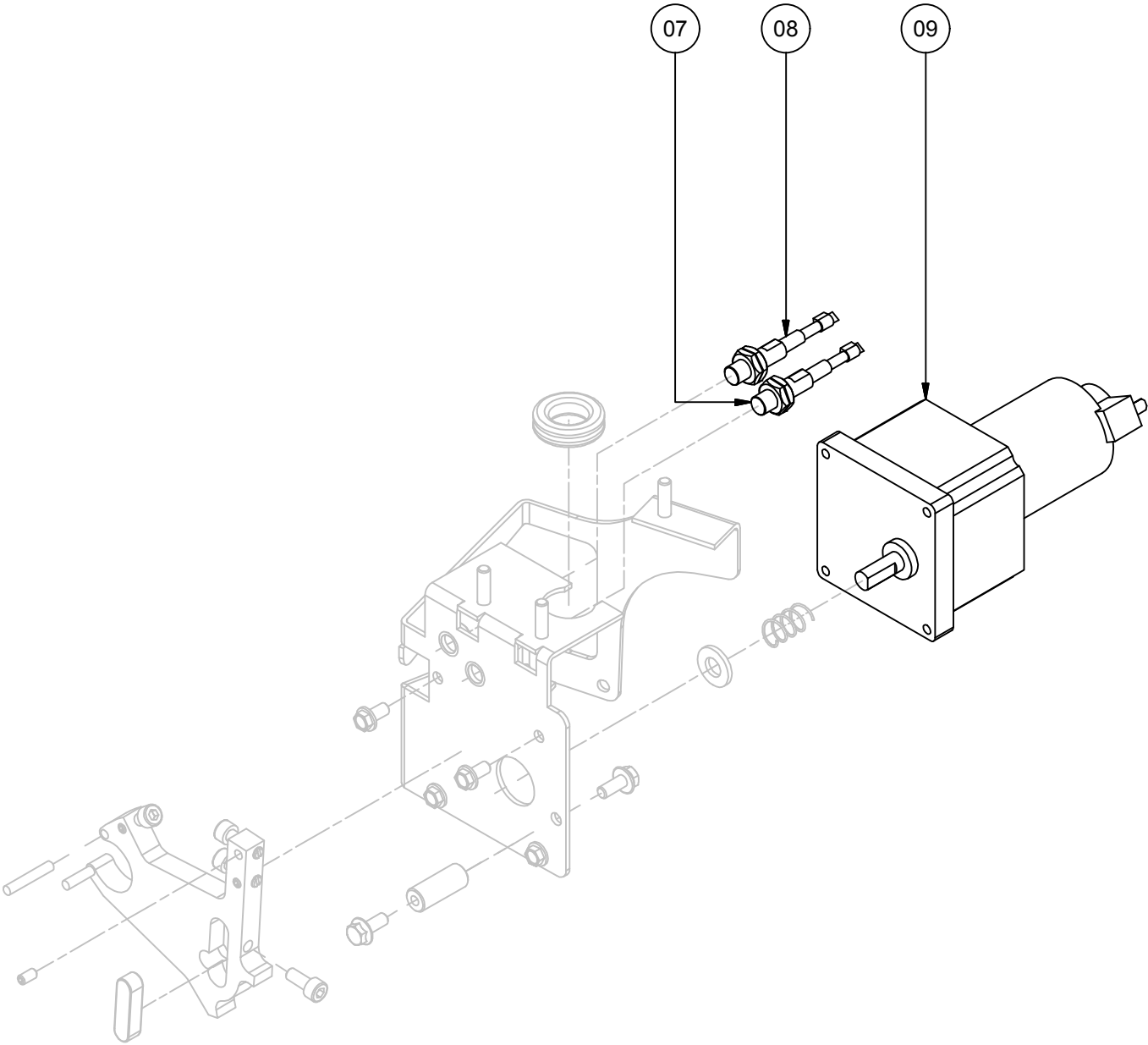
6920 Mechanics



6920 Mechanics

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
02		Power supply	Page 6922
04			Page 6923
07	1864860-SP	Control board V4	
07	1864876-SP	Controlboard V4 upgrade kit	
13		Pistondetector	Page 6975-B
14	1170078-SP	Switch,up/down,single,6A,250V	
16	1812528-SP	Switch,D2D 1100	
18	1863284-SP	Sensor6,table,pos.,HA	Part of cable harness 1818082
20		Valve motor	Page 6921
22	1861979-SP	Sensor5,table,home,HA	Part of cable harness 1818082

6921 Valve motor



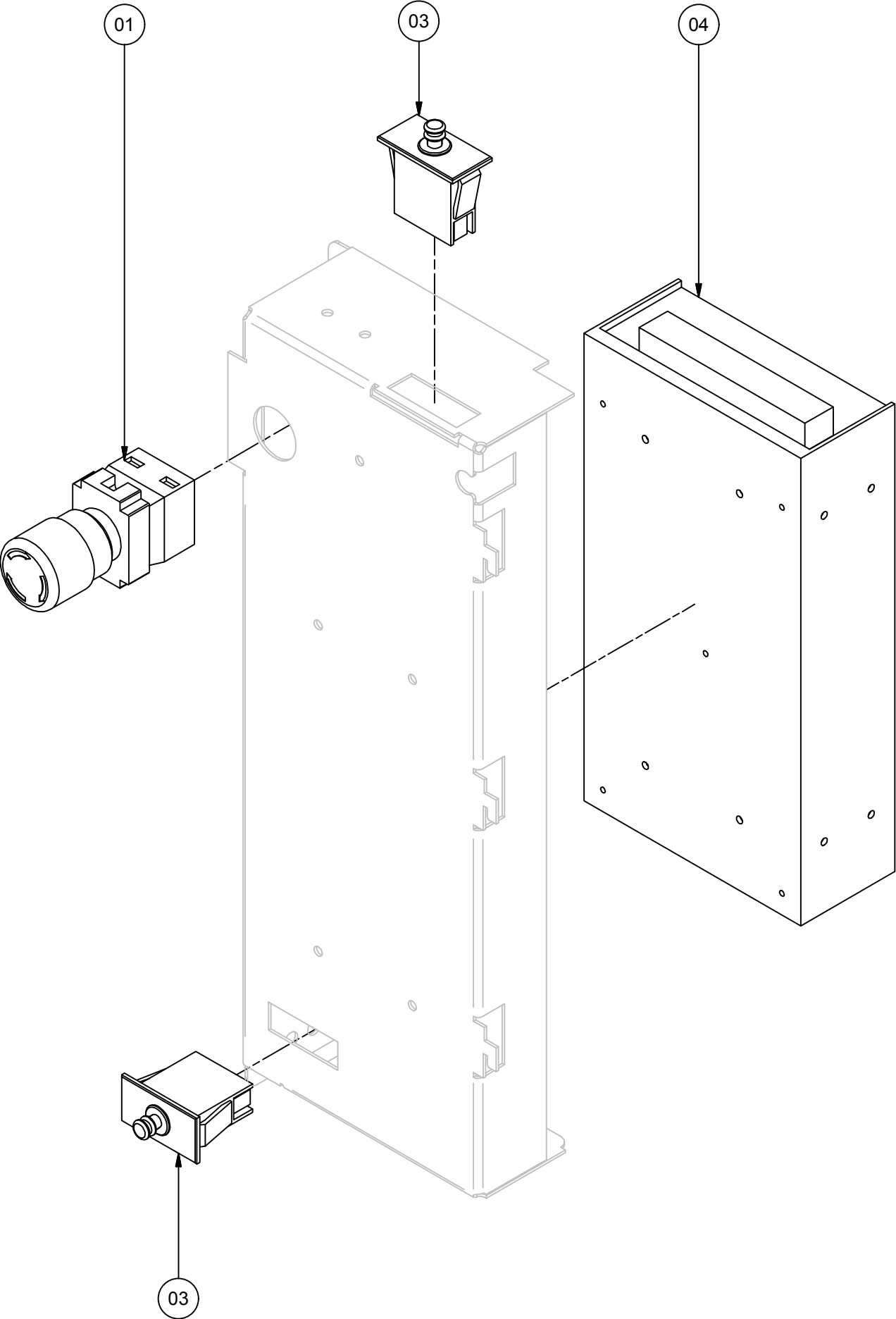
6921 Valve motor

Spareparts List			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
07	1864020-SP	Sensor2/4/8,HA450	Part of cable harness 1818082
08	1864020-SP	Sensor2/4/8,HA450	Part of cable harness 1818082
09	1861943-SP	Motor,80.805.0,24V,i=245	

6922

Power supply

Part of cable harness 1818082



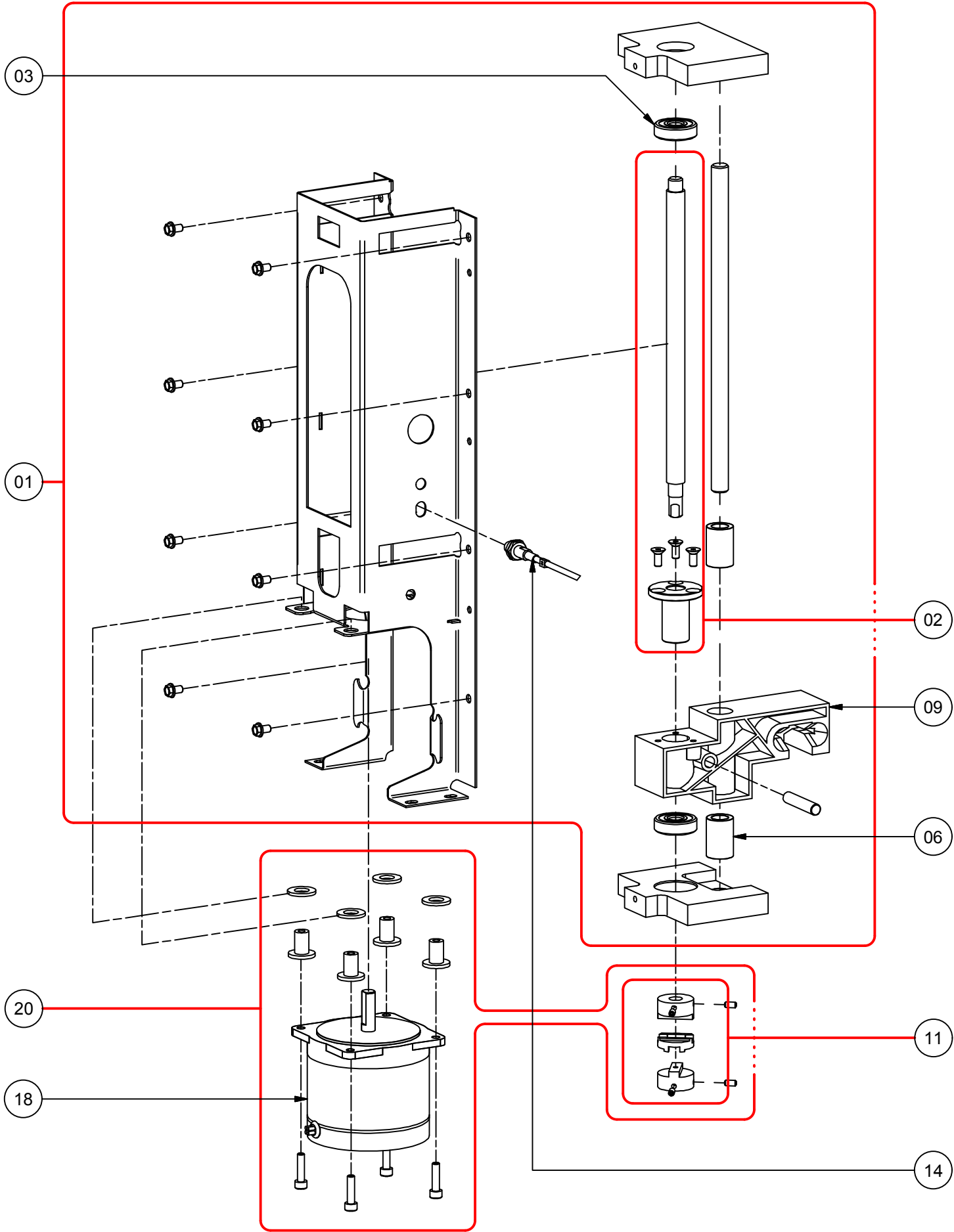
6922

Power supply

Part of cable harness 1818082

Spareparts List			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1864937-SP	Emergency,switch,complete	
03	1812528-SP	Switch,D2D 1100	
04	1863891-SP	Power supply,48VDC 300W,SC-48	

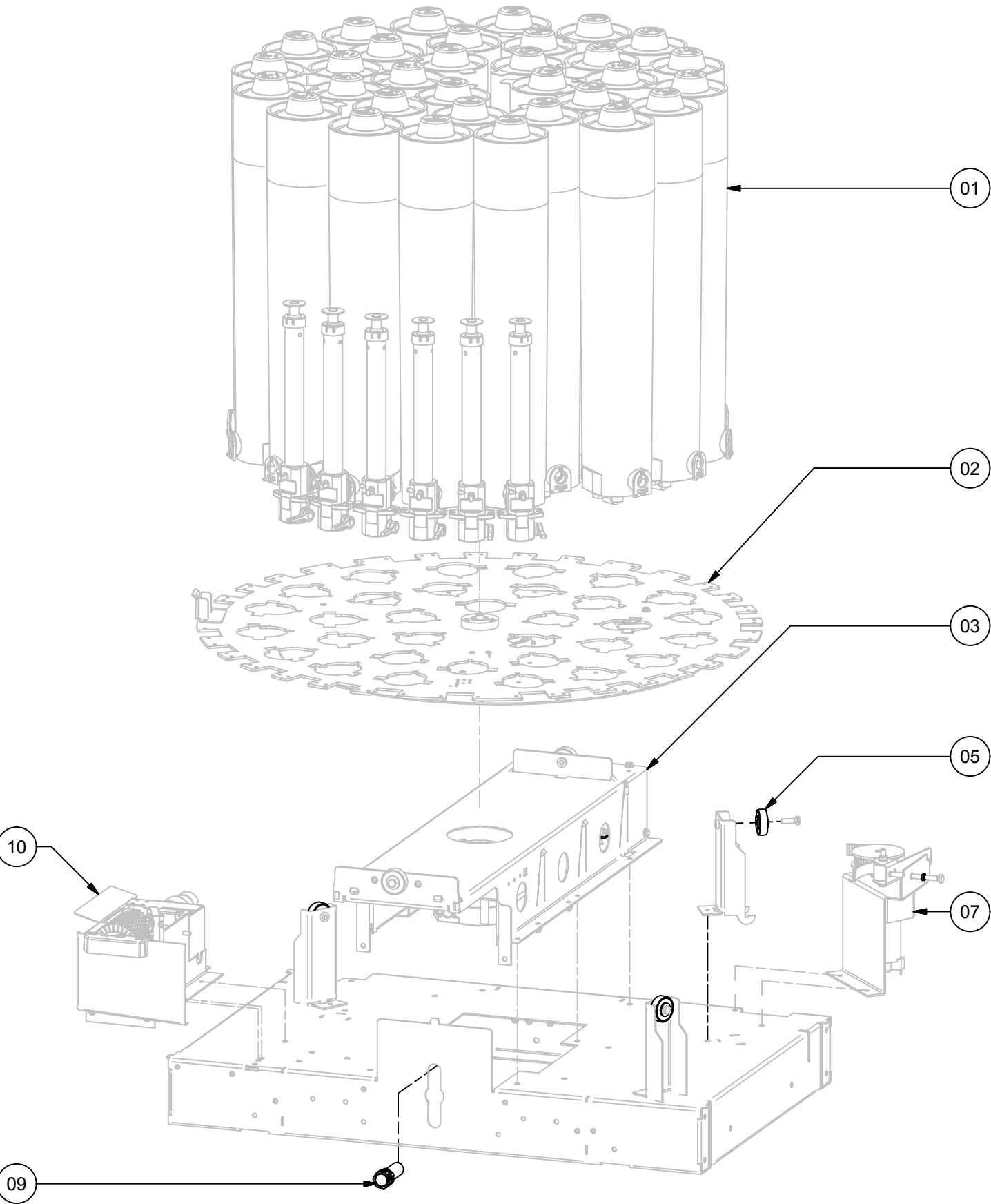
6923 Pump gripper



6923 Pump gripper

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1813733-SP	Complete gripper assy	
02	1809295-SP	Spindle,with nut,set 1pcs.	
03	1860091-SP	Bearing,ball,6200ZZ, set, 2pcs	
06	1860092-SP	Bearing,lin,set 2pcs	
09	1810651-SP	Gripper,block,pump,assy,2002SD	
11	1860066-SP	Coupling,Motor,Gripper,kit	
14	1864020-SP	Sensor2/4/8,HA450	Part of cable harness 1818082
18	1861988-SP	Stepmotor,2-fase,HA2/4/6/TM	Till w28 2013, S.N.935821.
18	1864249-SP	Stepmotor,Harbils,TM300	From w28 2013, S.N.935821. Not in combination with Control Board V1/V2/V3
20	1818110-SP	Stepmotor,2-fase,with coupling	From w28 2013, S.N.935821. Not in combination with Control Board V1/V2/V3
20	1860071-SP	Stepmotor,2-fase,with coupling	Till w28 2013, S.N.935821.

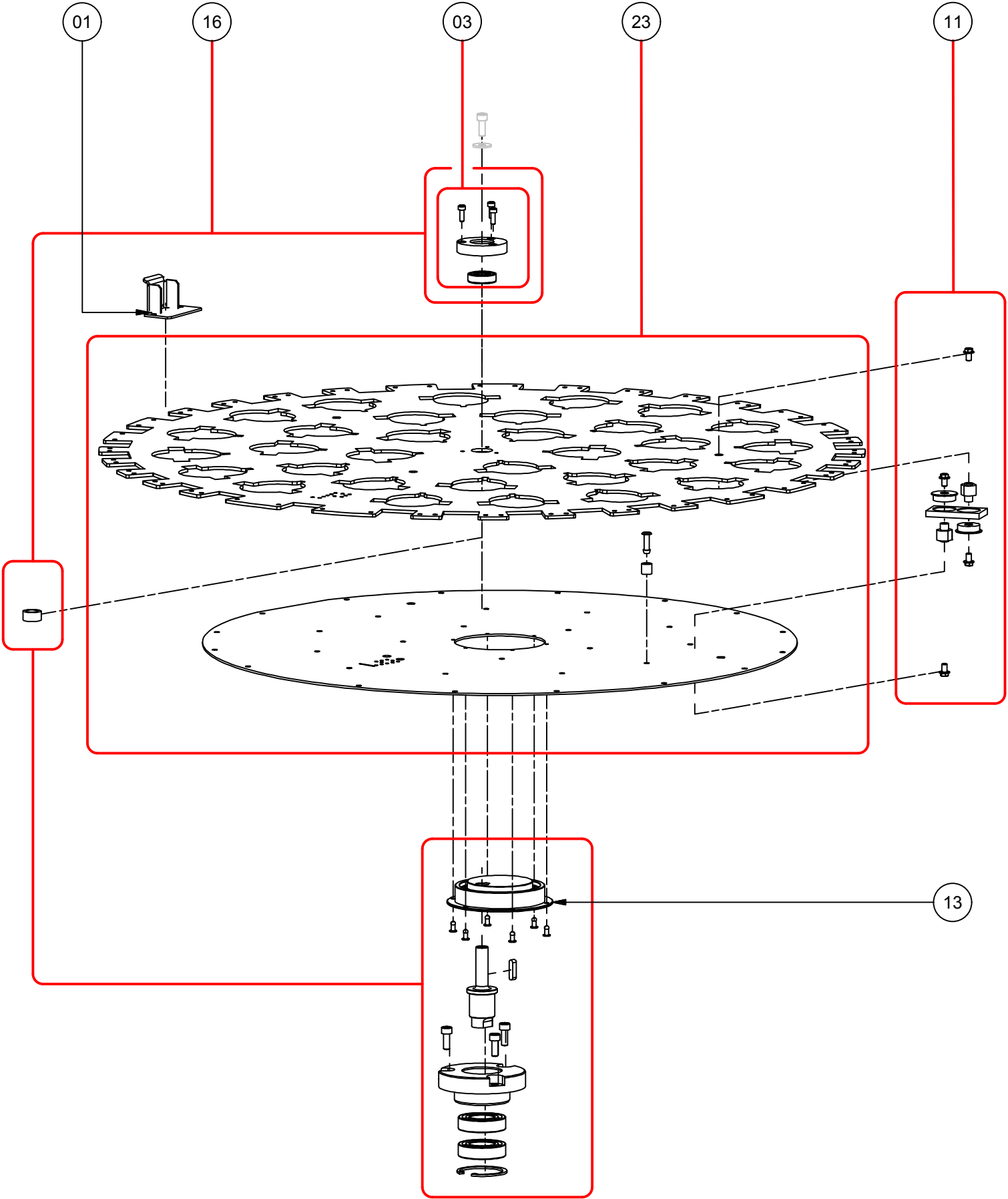
6930 Subframe



6930 Subframe

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01		Canisters, pumps and tubes	Page 6940
02		Canister plate	Page 6931
03		Beam subframe	Page 6932-B
05	1862422-SP	Wheel, traversing, centric, 35mm	
07		Turntable motor	Page 6933
07		Turntable motor (high speed)	Page 6934
09	1861975-SP	Sensor1, HA450	Part of cable harness 1818082
10		Brush	Page 6935-C

6931 Canister plate

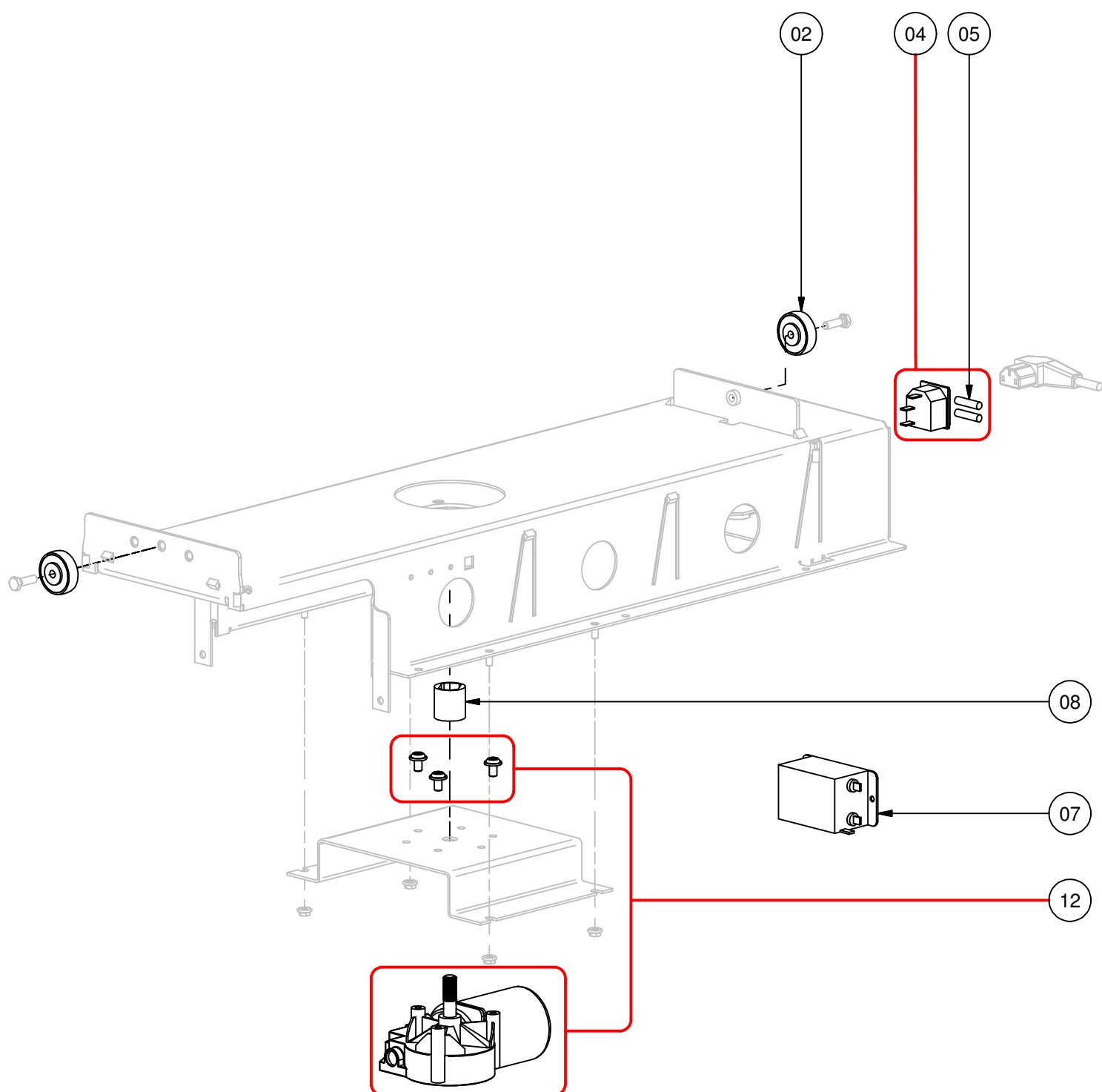


6931 Canister plate

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1807491-SP	Bracket,belt,turntable	
03	1801284-SP	Bearing,hous,agitation crank	
11	1809251-SP	Plate,crank,support,2002SD	
13	1864414-SP	Turntable bearing assembly	
16	1864531-SP	Crank,assy,HA450/650	
23	1810141-SP	Turntable(02)+agit.plate,std	
23	1810142-SP	Turntable(03)+agit.plate,std	
23	1816187-SP	Turntable(03)+agit.plate,turn	
23	1810143-SP	Turntable(04)+agit.plate,std	
23	1810144-SP	Turntable(05)+agit.plate,std	
23	1816188-SP	Turntable(05)+agit.plate,turn	
23	1810147-SP	Turntable(09)+agit.plate,std	
23	1810155-SP	Turntable(10)+agit.plate,std	
23	1814092-SP	Turntable(11)+agit.plate,std	
23	1814087-SP	Turntable(12)+agit.plate,std	
23	1815788-SP	Turntable(12)+agit.plate,turn	
23	1815495-SP	Turntable(13)+agit.plate,std	
23	1814914-SP	Turntable(15)+agit.plate,std	
23	1864577-SP	Turntable(16)+agit.plate,std	

6932-A Beam subframe

Up to W02,2014 S.N.944338



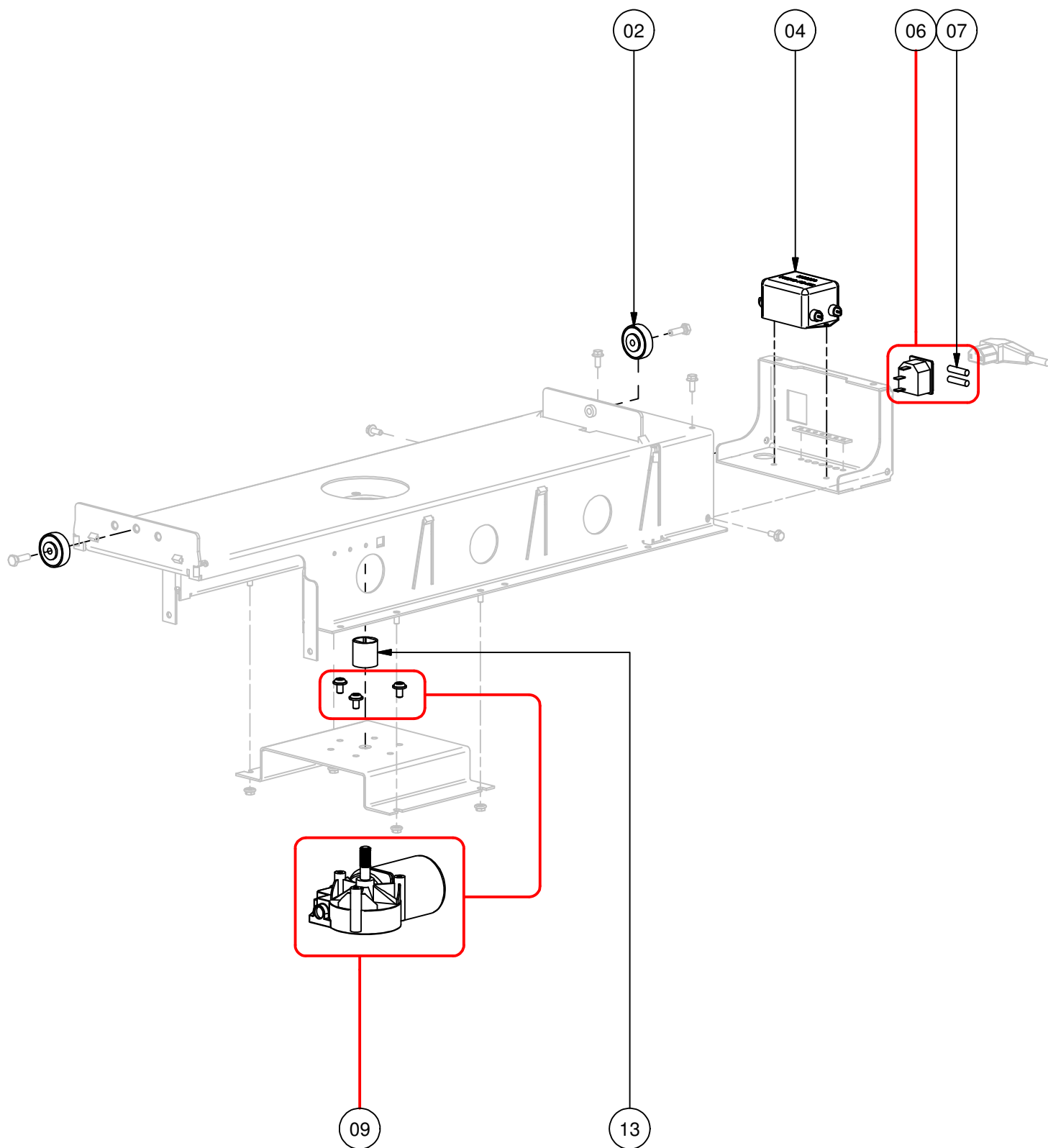
6932-A Beam subframe

Up to W02,2014 S.N.944338

Spareparts List			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
02	1862422-SP	Wheel, traversing, centric, 35mm	
04	1864618-SP	Netentry, PF0033/20/63	
05	1602782-SP	Fuse, 10A, set, 10pcs	
07	1862924-SP	Filter, FB-10Z, 10A	
08	1813254-SP	Coupling, motor, subframe, HA	
12	1863708-SP	Motor 404.938	

6932-B Beam subframe

From W02,2014 S.N.944339



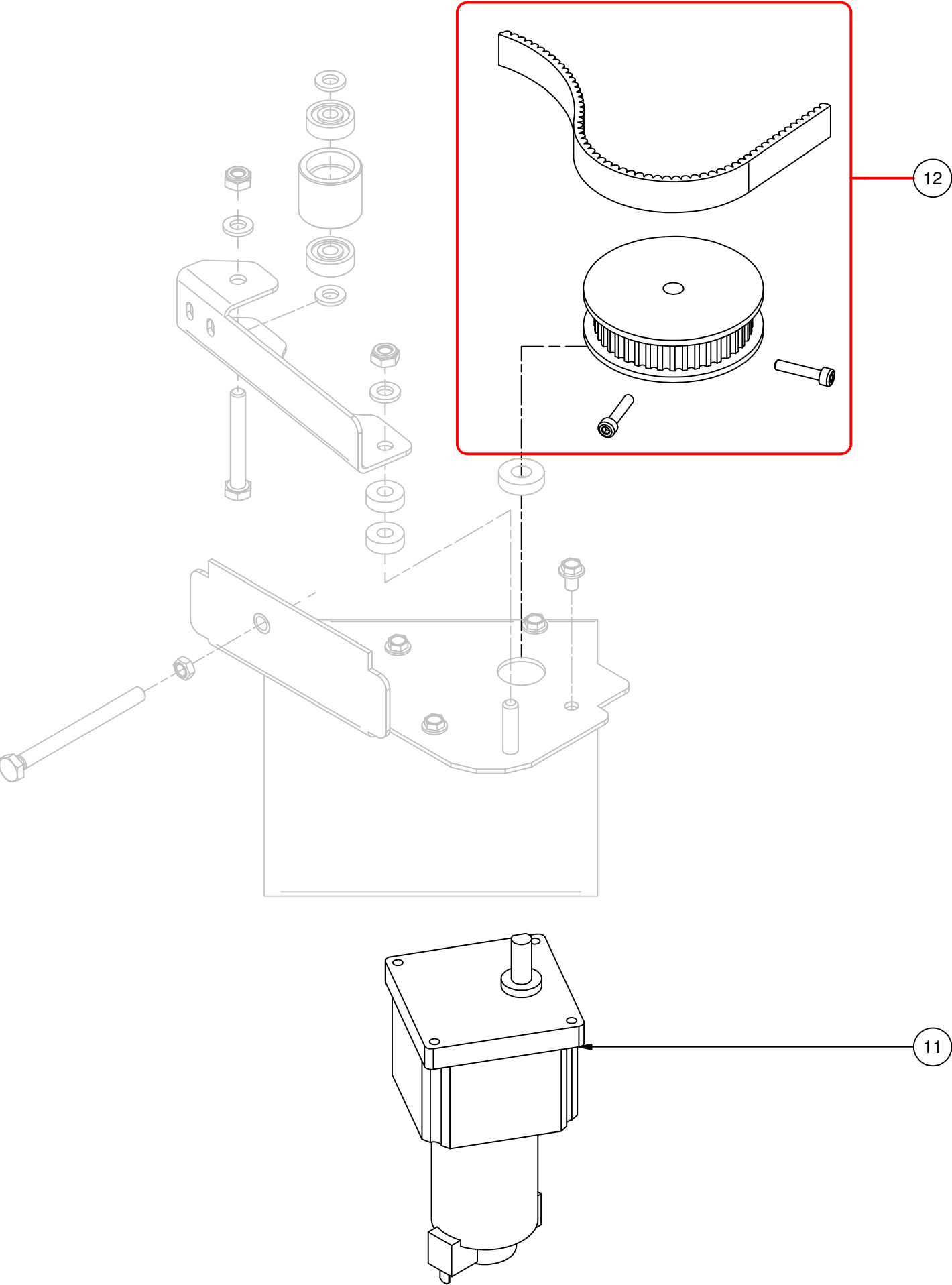
6932-B

Beam subframe

From W02,2014 S.N.944339

Spareparts List			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
02	1862422-SP	Wheel, traversing, centric, 35mm	
04	1862924-SP	Filter, FB-10Z, 10A	
06	1864618-SP	Netentry, PF0033/20/63	
07	1602782-SP	Fuse, 10A, set, 10pcs	
09	1863708-SP	Motor 404.938	
13	1813254-SP	Coupling, motor, subframe, HA	

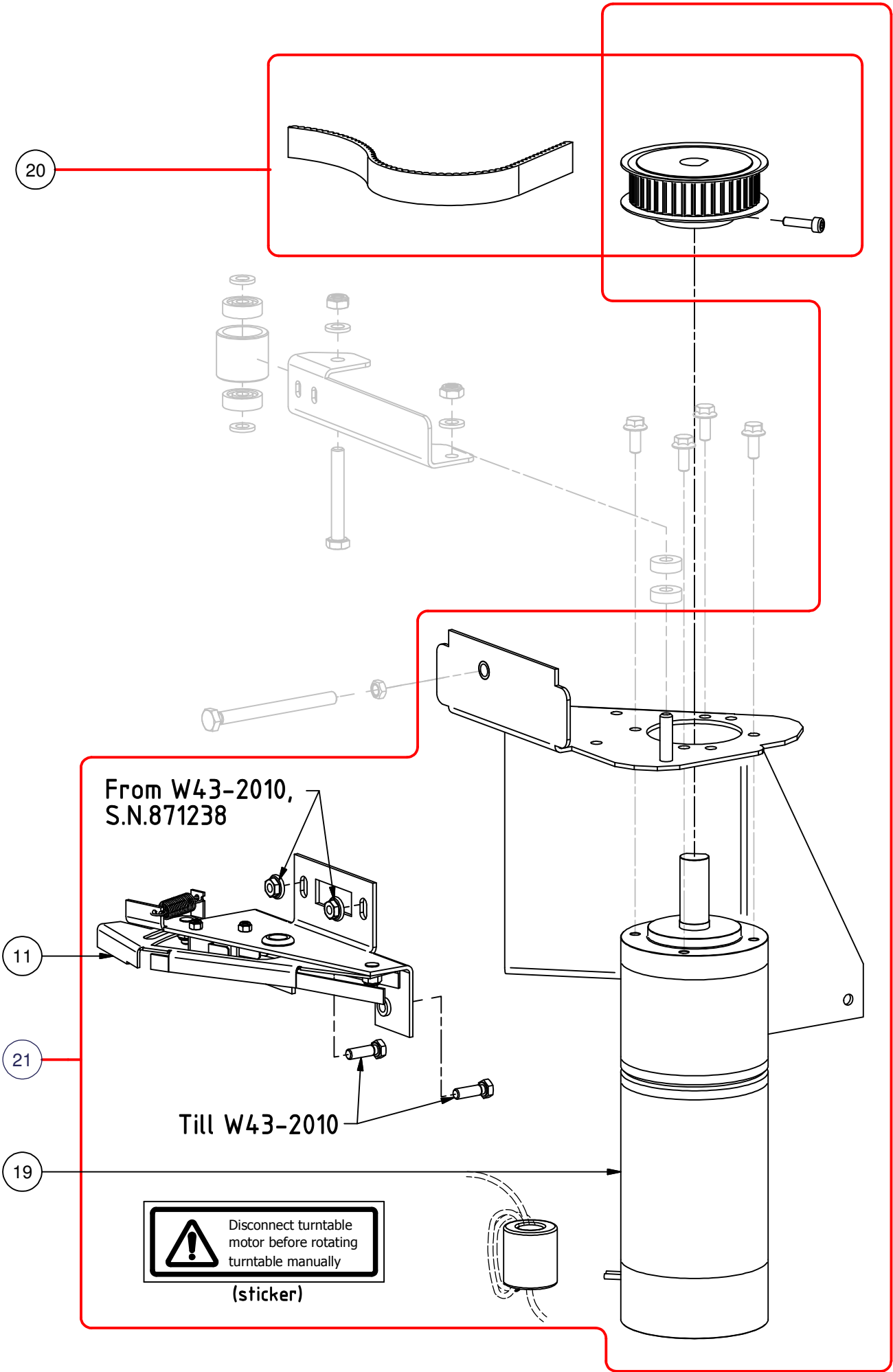
6933 Turntable motor



6933 Turntable motor

Spare Parts List			
ITEM	SPARE PART NUMBE	DESCRIPTION	REMARKS
11	1861940-SP	Motor,80.805.0,24V,i=49	
12	1860380-SP	Belt,timing+pulley,HA-M,set	

6934 High speed motor. (option)

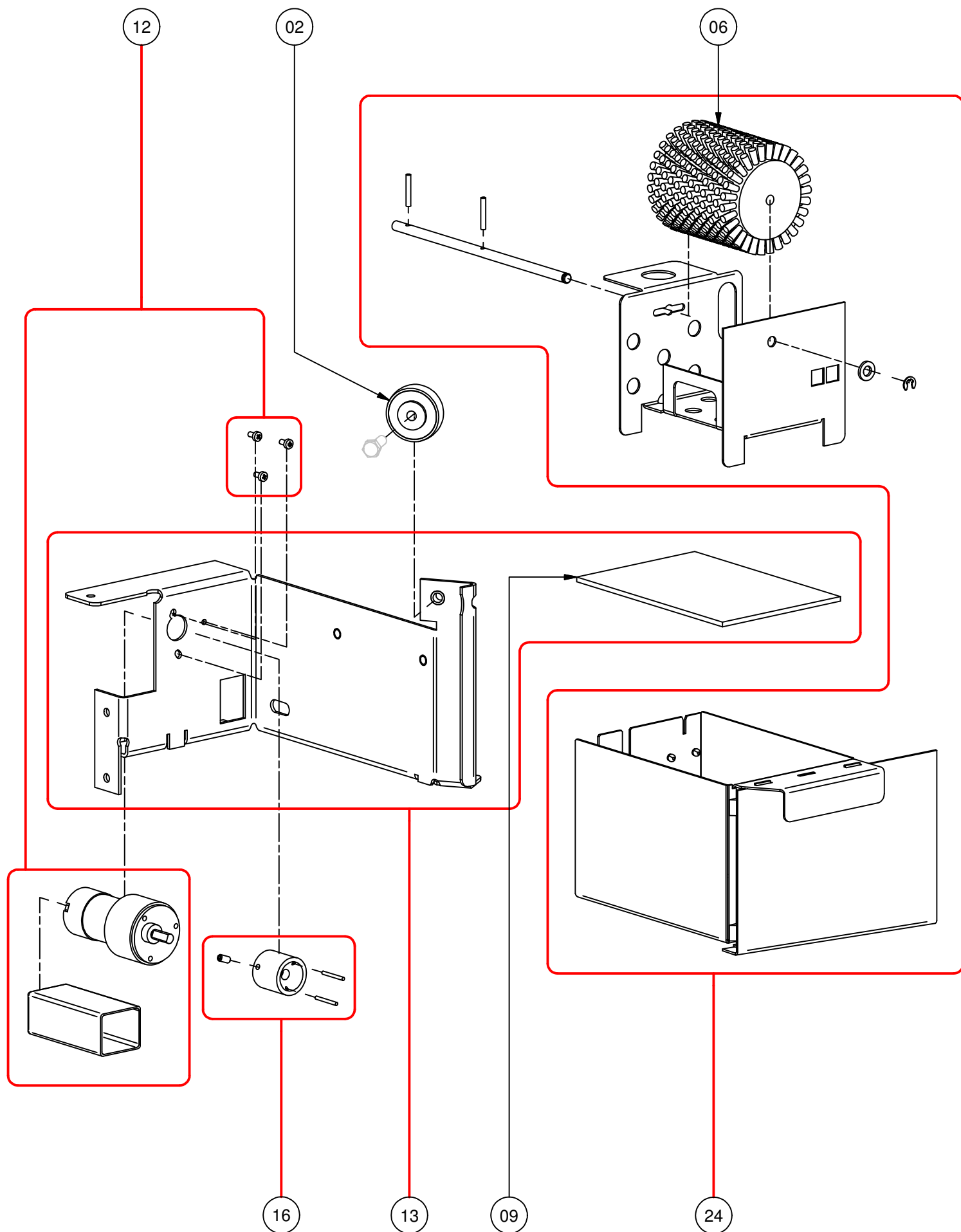


6934 High speed motor. (option)

SPARE PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
11	1864594-SP	Pistondetector	Page 6975-B
19	1814849-SP	High speed motor,HA450	
20	1860384-SP	Belt,timing+HS-pulley,HA,set	
21	1864591-SP	Speedset,HA450,complete	

6935-A Brush.

Up to W18,2013 S.N. 931570



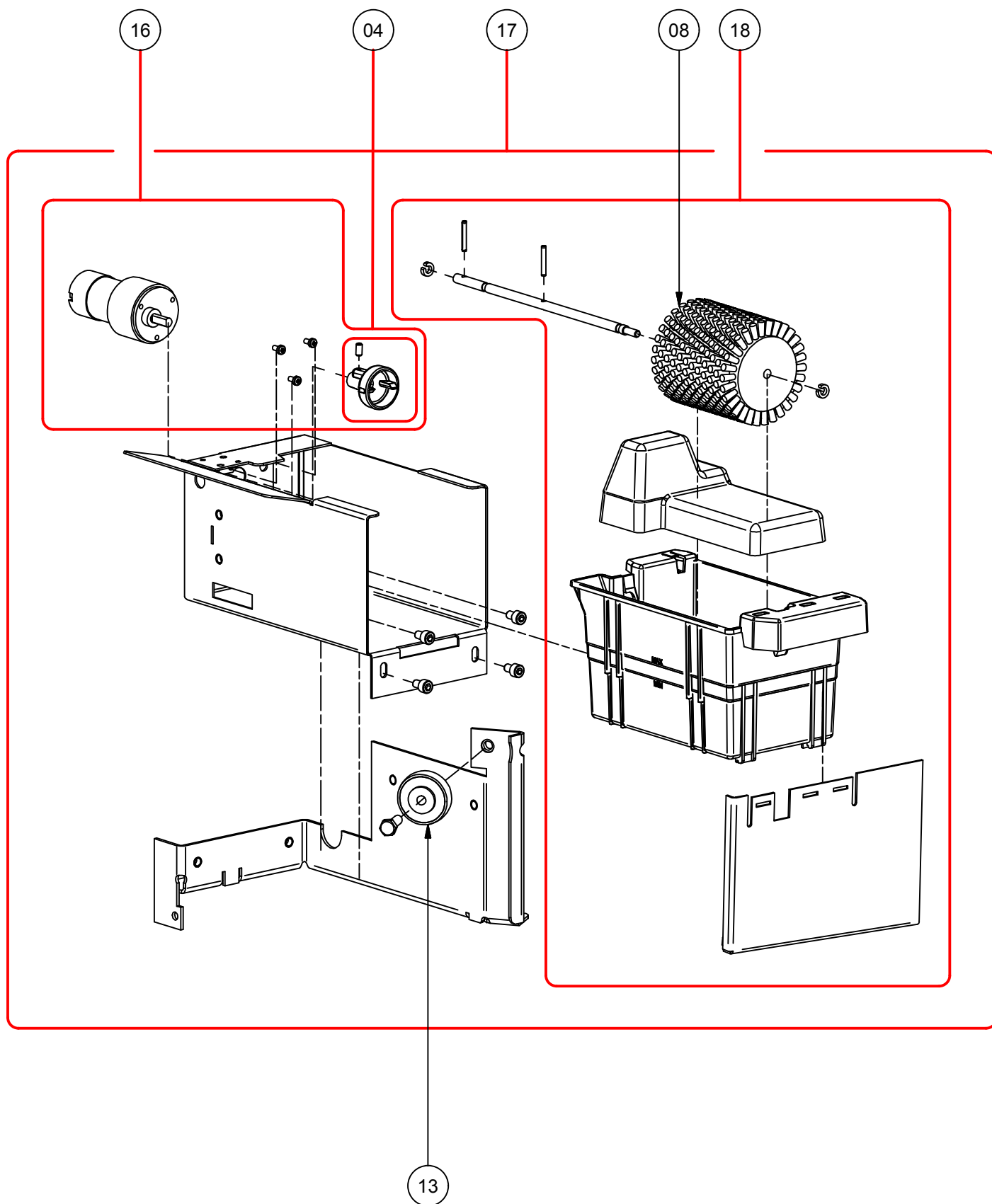
6935-A Brush.

Up to W18,2013 S.N. 931570

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
	1864890-SP	Brushcontainer,retro kit,HA450	Page 6935-B
02	1862422-SP	Wheel,traversing,centric,35mm	
06	1814029-SP	Brush,D70x78.3	
09	1814956-SP	plate,brush container	
12	1863862-SP	Motor,micro,RH158-24-200	
13	1815201-SP	Brush,height,adjust,set,HA450	
16	1801842-SP	Fork,container,brush	
24	1813952-SP	Brush container,assy	

6935-B Brush.

From W18,2013 S.N.931570, till W02,2014 SN.944338



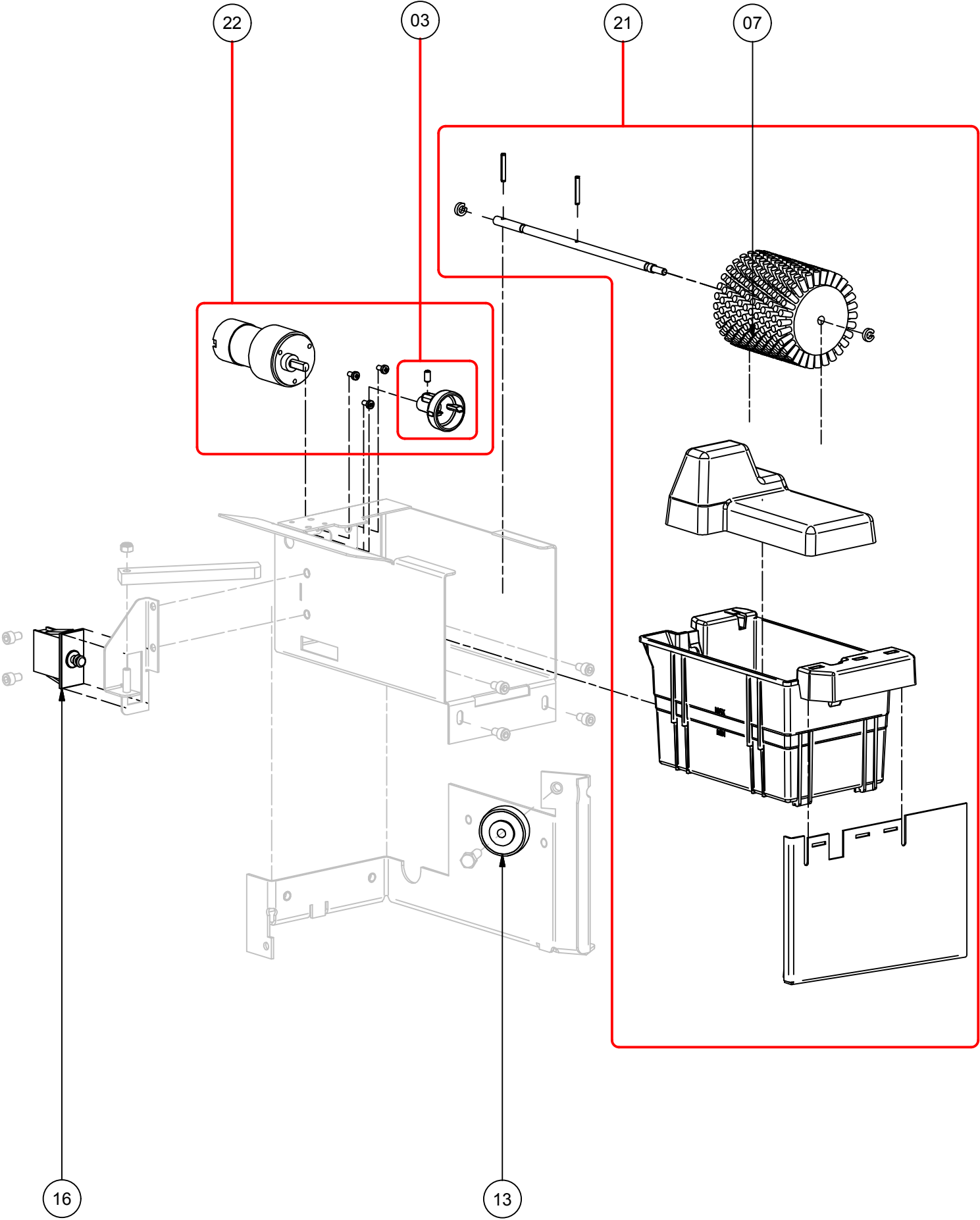
6935-B Brush.

From W18,2013 S.N.931570, till W02,2014 SN.944338

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
04	1817271-SP	Fork coupling,brush,pm	
08	1814029-SP	Brush,D70x78.3	
13	1862422-SP	Wheel,traversing,centric,35mm	
16	1864889-SP	Brush motor-coupling, kit,HA	
17	1864890-SP	Brushcontainer,retro kit,HA450	Up to S.N. 931570, W18,2013
18	1864888-SP	Container-brush,kit	

6935-C Brush

From W02,2014 S.N.944626



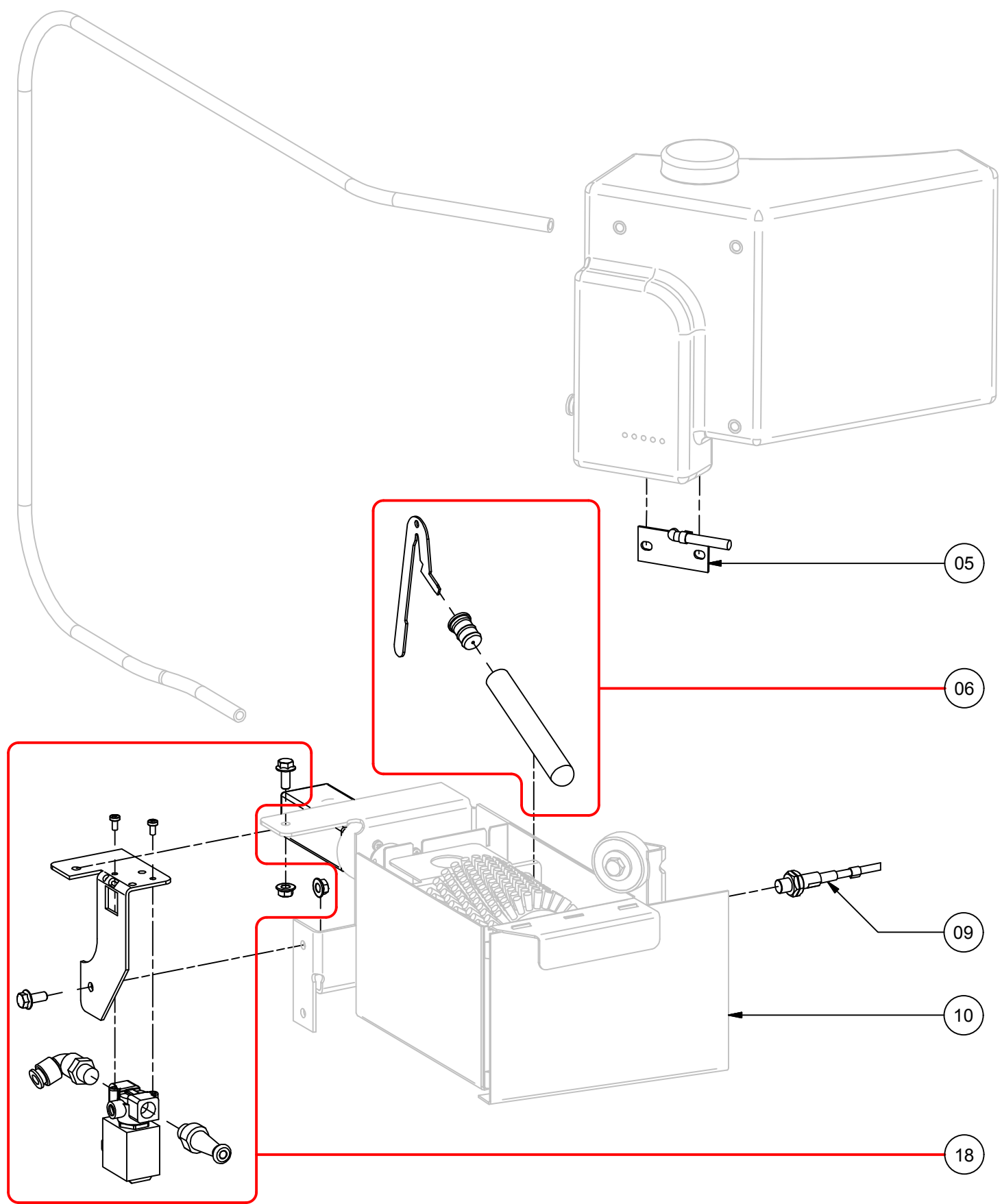
6935-C Brush

From W02,2014 S.N.944626

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
03	1817271-SP	Fork coupling,brush,pm	
07	1814029-SP	Brush,D70x78.3	
13	1862422-SP	Wheel,traversing,centric,35mm	
16	1812528-SP	Switch,D2D 1100	
21	1864888-SP	Container-brush,kit	
22	1864889-SP	Motor-coupling,kit	

6936-A Brush refill (option)

Up to W18,2013 S.N.931570



6936-A

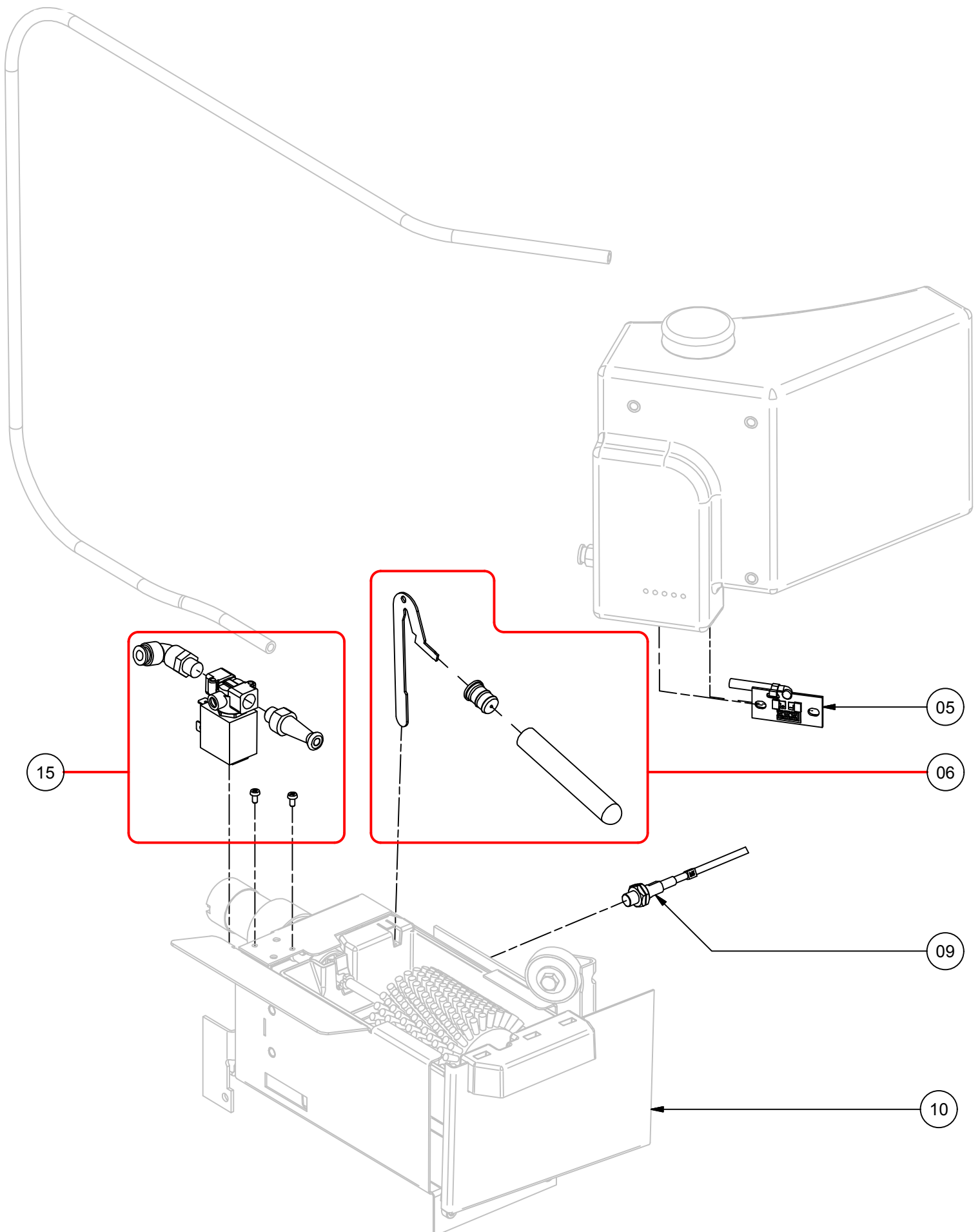
Brush refill (option)

Up to W18,2013 S.N.931570

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
05	1864072-SP	Refill light including cable	
06	1815200-SP	Float,sensor,brush	
09	1864071-SP	Sensor24,brushunitlevel,HA	Part of cable harness 1818082
10		Brush	Page 6935-A
18	1814983-SP	Kit, valve, brush-unit	

6936-B Brush refill (option).

From W18,2013 S.N.931570, till W02,2014 S.N.944338



6936-B

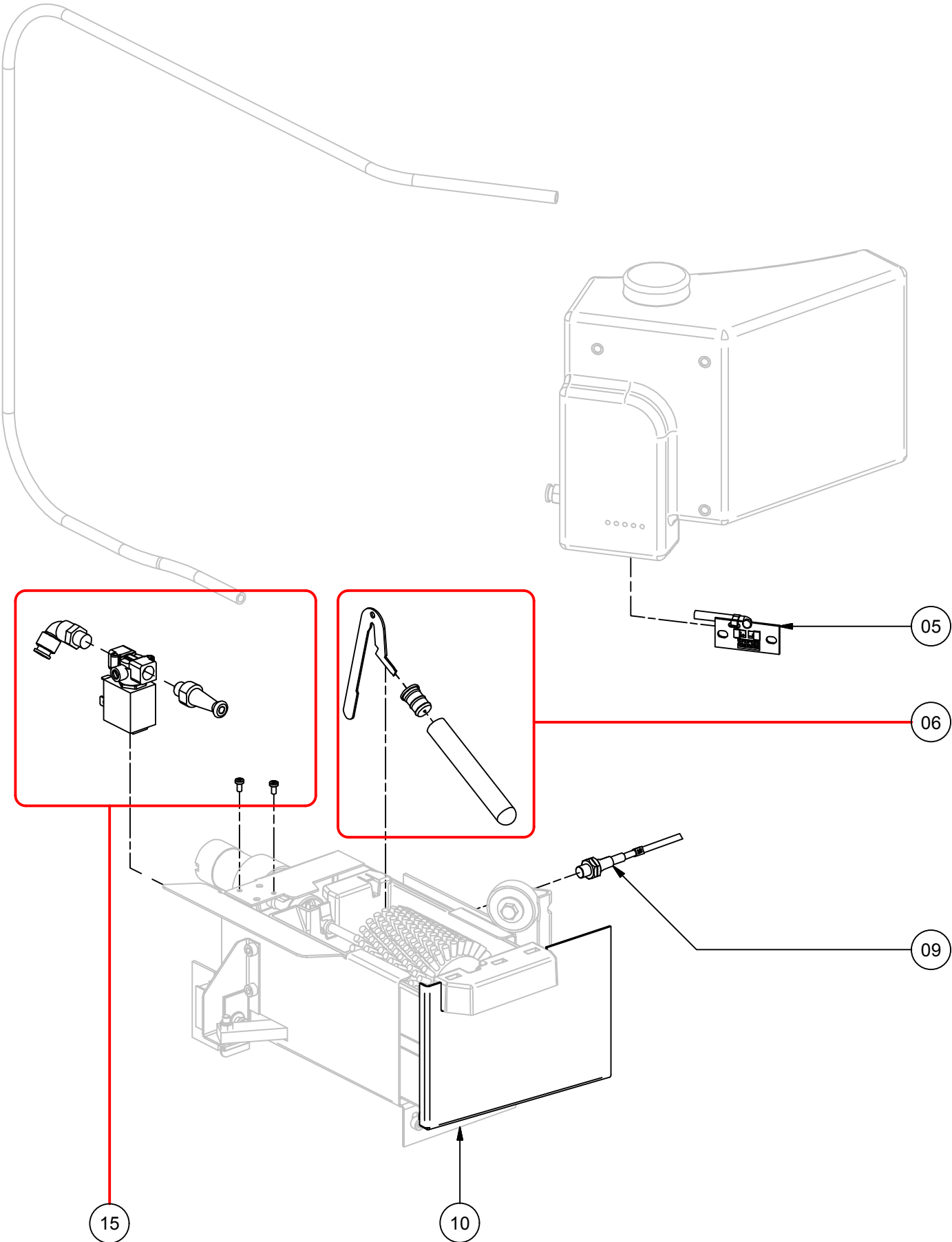
Brush refill (option).

From W18,2013 S.N.931570, till W02,2014 S.N.944338

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
05	1864072-SP	Refill light including cable	
06	1815200-SP	Float,sensor,brush	
09	1864071-SP	Sensor24,brushunitlevel,HA	Part of cable harness 1818082
10		Brush	Page 6935-B
15	1814983-SP	Kit, valve, brush-unit	

6936-C Brush refill (option)

From W02,2014 S.N.944339



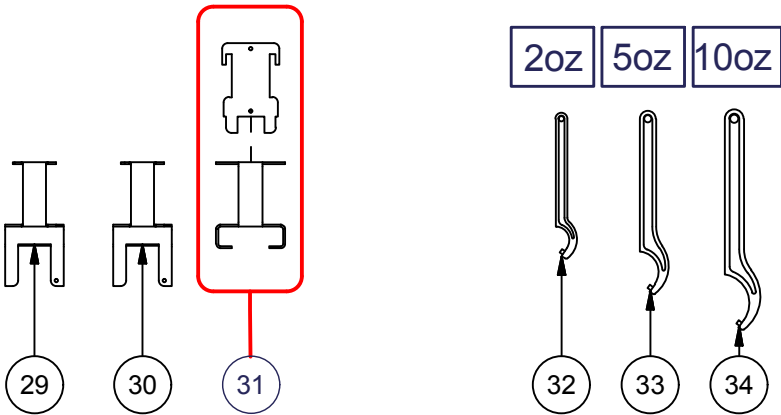
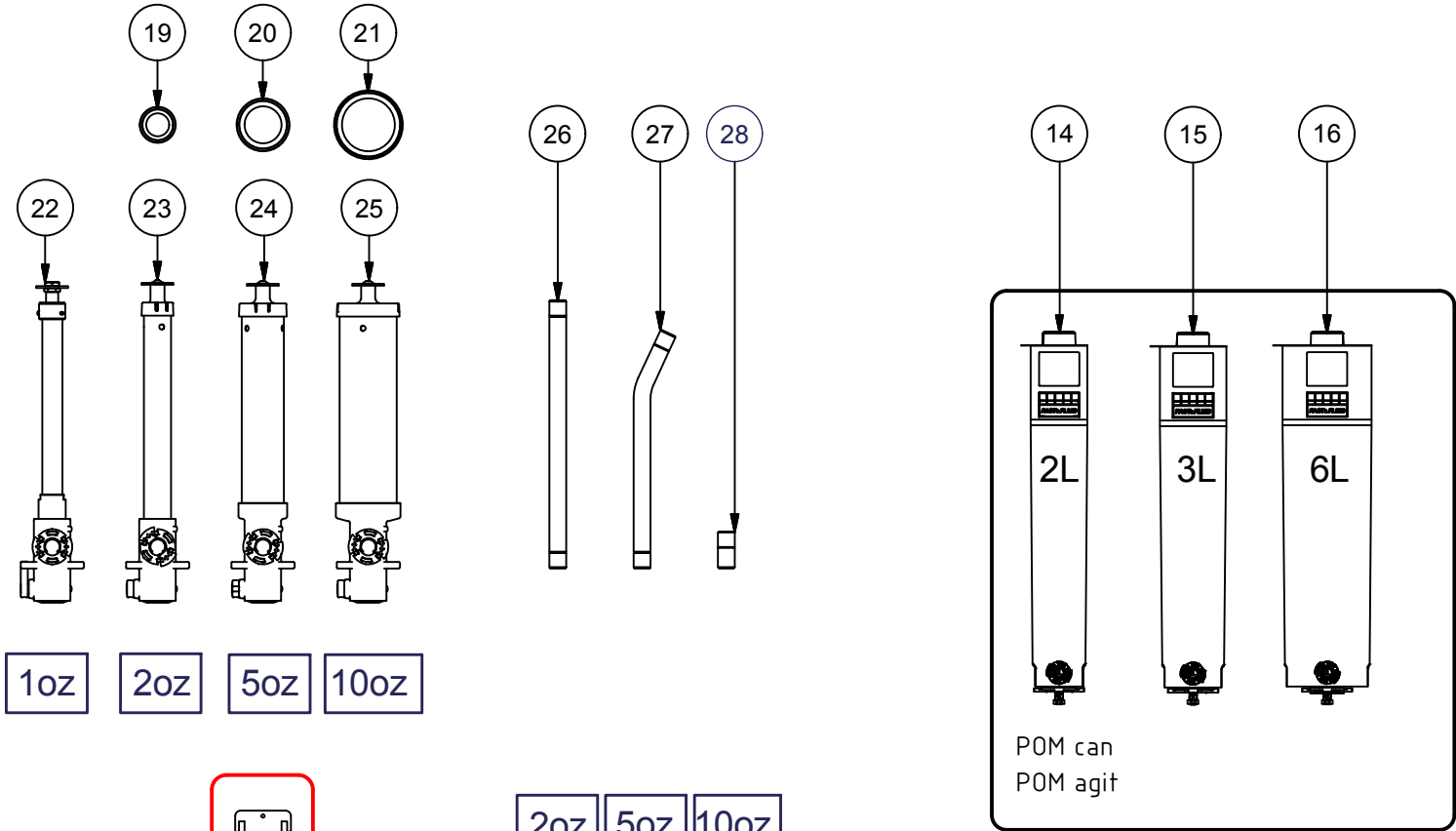
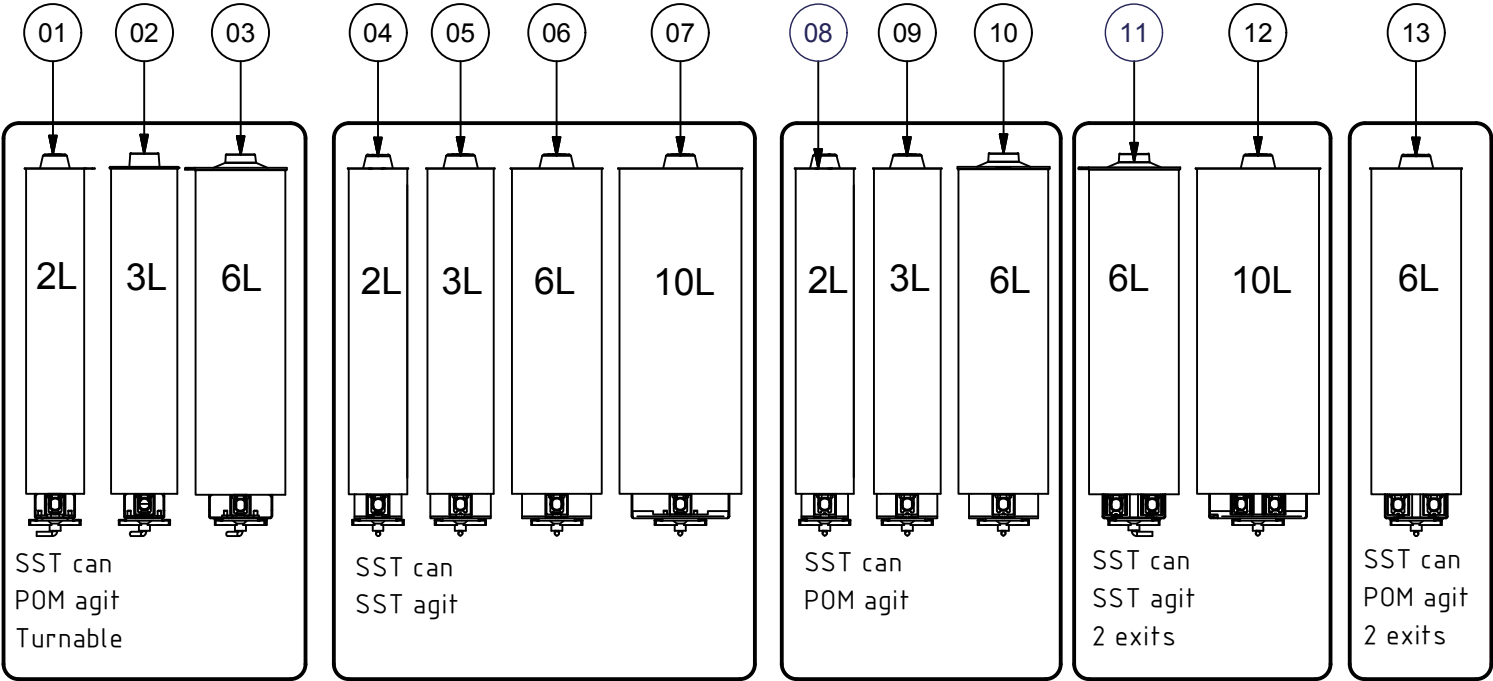
6936-C

Brush refill (option)

From W02,2014 S.N.944339

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
05	1864072-SP	Refill light including cable	
06	1815200-SP	Float,sensor,brush	
09	1864071-SP	Sensor24,brushunitlevel,HA	Part of cable harness 1818082
10		Brush	Page 6935-C
15	1814983-SP	Kit, valve, brush-unit	

6940 Canisters, pumps and tubes



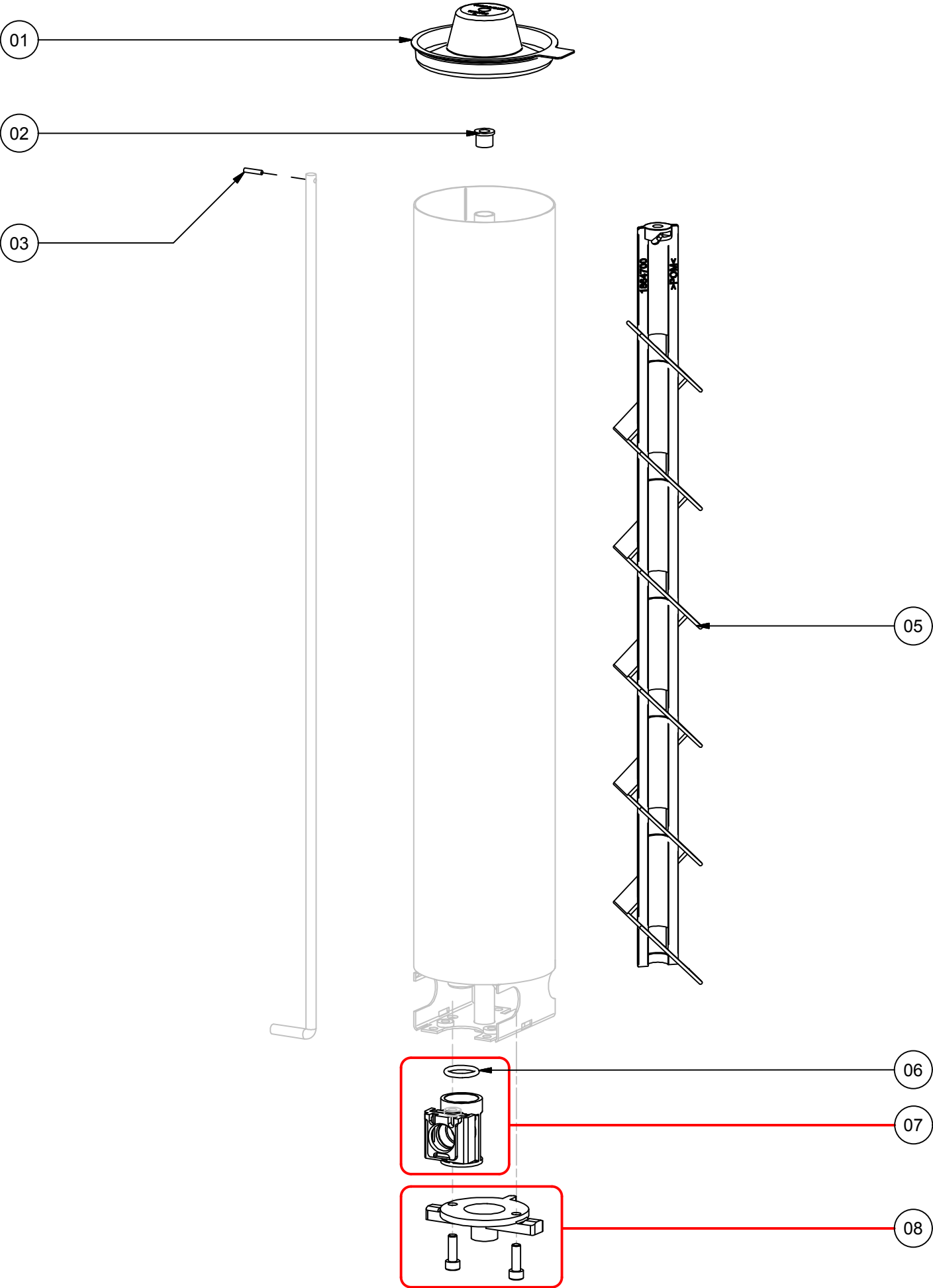
6940 Canisters, pumps and tubes

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1814989-SP	2L,SST can,turn,1ex,POM agit	Page 6941
02	1816186-SP	3L,SST can,turn,1ex,POM agit	Page 6942
03	1815737-SP	6L,SST can,turn,1ex,POM agit	Page 6943
04	1814147-SP	2L,SST can,std,1ex,SST agit	Page 6944
05	1863215-SP	3L,SST can,std,1ex,SST agit	Page 6945
06	1863216-SP	6L,SST can,std,1ex,SST agit	Page 6946
07	1810599-SP	10L,SST can,std,1ex,SST agit	Page 6947
08	1814988-SP	2L,SST can,std,1ex,POM agit	Page 6948
09	1809888-SP	3L,SST can,std,1ex,POM agit	Page 6949
10	1810596-SP	6L,SST can,std,1ex,POM agit	Page 6950
11	1864708-SP	6L,SST can,std,2ex,SST agit	Page 6951
12	1810602-SP	10L,SST can,inn,2ex,SST agit	Page 6952
13	1814168-SP	6L,SST can,std,2ex,POM agit	Page 6956
14	1865000-SP	2L,POM can,std,1ex,POM agit	Page 6957-A Up to S.N. 966294
14	1865010 -SP	2L,POM can,std,1ex,POM agit	Page 6957-B From S.N. 966294
15		Canister,POM,3L,POM agit,1ex	Page 6958-A Up to S.N 936405
15	1865001-SP	3L,POM can,std,1ex,POM agit	Page 6958-B From S.N. 936405 till 966294
15	1865011 -SP	3L,POM can,std,1ex,POM agit	Page 6958-C From S.N. 966294
16		Canister,POM,6L,POM agit	Page 6959-A Up to S.N. 936405
16	1865002-SP	6L,POM can,std,1ex,POM agit	Page 6959-B From S.N. 936405 till 966924
16	1865012-SP	6L,POM can,std,1ex,POM agit	Page 6959-C From S.N. 966924
19	1813625-SP	Piston replace tool 2-oz,V2	
20	1813623-SP	Piston replace tool 5-oz,V2	
21	1813627-SP	Piston replace tool 10-oz,V2	
22	1814533-SP	Ballvalve,2006,1-oz	Page 6961
23	1863711-SP	ballvalve,2006,2-oz	Page 6962
24	1863712-SP	ballvalve,2006,5-oz	Page 6963
25	1863713-SP	ballvalve,2006,10-oz	Page 6964
29	1817775-SP	Bracket,reset,1-0z,2013	
30	1817770-SP	Bracket,reset,2-0z,2013	
31	1817782-SP	Bracket,reset,5-0z,2013,set	
32	1864318-SP	Key, tube, 2oz	
33	1864319-SP	Key, tube, 5oz	
34	1864320-SP	Key, tube, 10oz	

6940 Canisters, pumps and tubes

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
26	1810579-SP	Tube,ø16x190.3,HA	
26	1810590-SP	Tube,ø16x254.3,HA	
26	1810577-SP	Tube,ø16x 59.3,HA	
26	1810576-SP	Tube,ø16x151.3,HA	
26	1810575-SP	Tube,ø16x134.3,HA	
26	1816198-SP	Tube,ø16x44.7,HA	Turnable canisters
26	1810578-SP	Tube,ø16x173.3,HA	
26	1816201-SP	Tube,ø16x61.6,HA	Turnable canisters
26	1864579-SP	Tube,ø16x193.3,HA	
26	1810580-SP	Tube,ø16x180.3,HA	
26	1810582-SP	Tube,ø16x117.3,HA	
26	1810574-SP	Tube,ø 16x 42.3,HA	
26	1805202-SP	Tube,ø16x 48.5,HA	
26	1810583-SP	Tube,ø16x232.3 HA	
26	1810584-SP	Tube,ø16x 74.3,HA	
26	1810591-SP	Tube,ø16x333.3,HA	
26	1810585-SP	Tube,ø16x 91.3,HA	
26	1810586-SP	Tube,ø16x263.3,HA	
26	1810588-SP	Tube,ø16x316.3,HA	
26	1810589-SP	Tube,ø16x237.3,HA	
27	1814136-SP	Tube,ø16x193.7,angle 10deg,HA	
27	1816199-SP	Tube,ø16x222, angle 25deg,HA	Turnable canisters
27	1814135-SP	Tube,ø16x148.2,angle 27deg,HA	
27	1816204-SP	Tube,ø16x140.3, angle 25deg,HA	Turnable canisters
27	1816207-SP	Tube,ø16x265, angle 15deg,HA	Turnable canisters
27	1816205-SP	Tube,ø16x153, angle 25deg,HA	Turnable canisters
27	1816200-SP	Tube,ø16x183, angle 25deg,HA	Turnable canisters
27	1816202-SP	Tube,ø16x228.5, angle 25deg,HA	Turnable canisters
27	1816208-SP	Tube,ø16x165.5, angle 5deg,HA	Turnable canisters
27	1810592-SP	Tube,ø16x139.8,angle 7deg,HA	
27	1814139-SP	Tube,ø16x216,angle 4.5,HA	
27	1814138-SP	Tube,ø16x139,angle 16deg,HA	
28	1810605-SP	Plug,canister,16x35mm,set 5pcs	

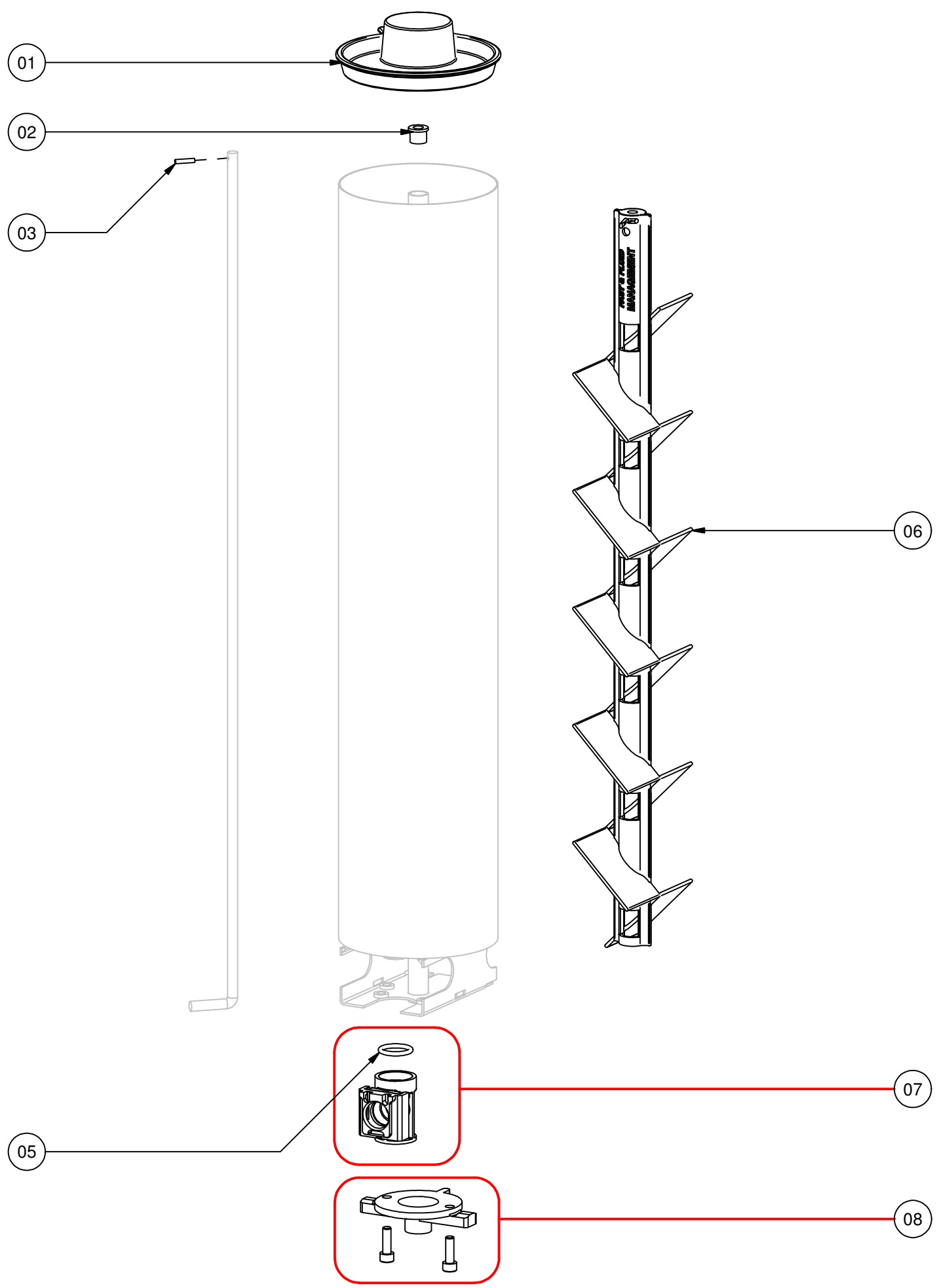
6941 2L,SST can,turn,1ex,POM agit. (option) 1814989



6941 2L,SST can,turn,1ex,POM agit. (option) 1814989

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1802502-SP	Lid POM,2L can,5pcs	
02	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
03	1860110-SP	Pin,spiro1,f2.5x12,Sst,25pcs.	
05	1864700-SP	Agit POM, 2L SST can, 5pcs	
06	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
07	1814871-SP	Fitting, turning, HA	
08	1816106-SP	Cap,bottom,sst can with screws	

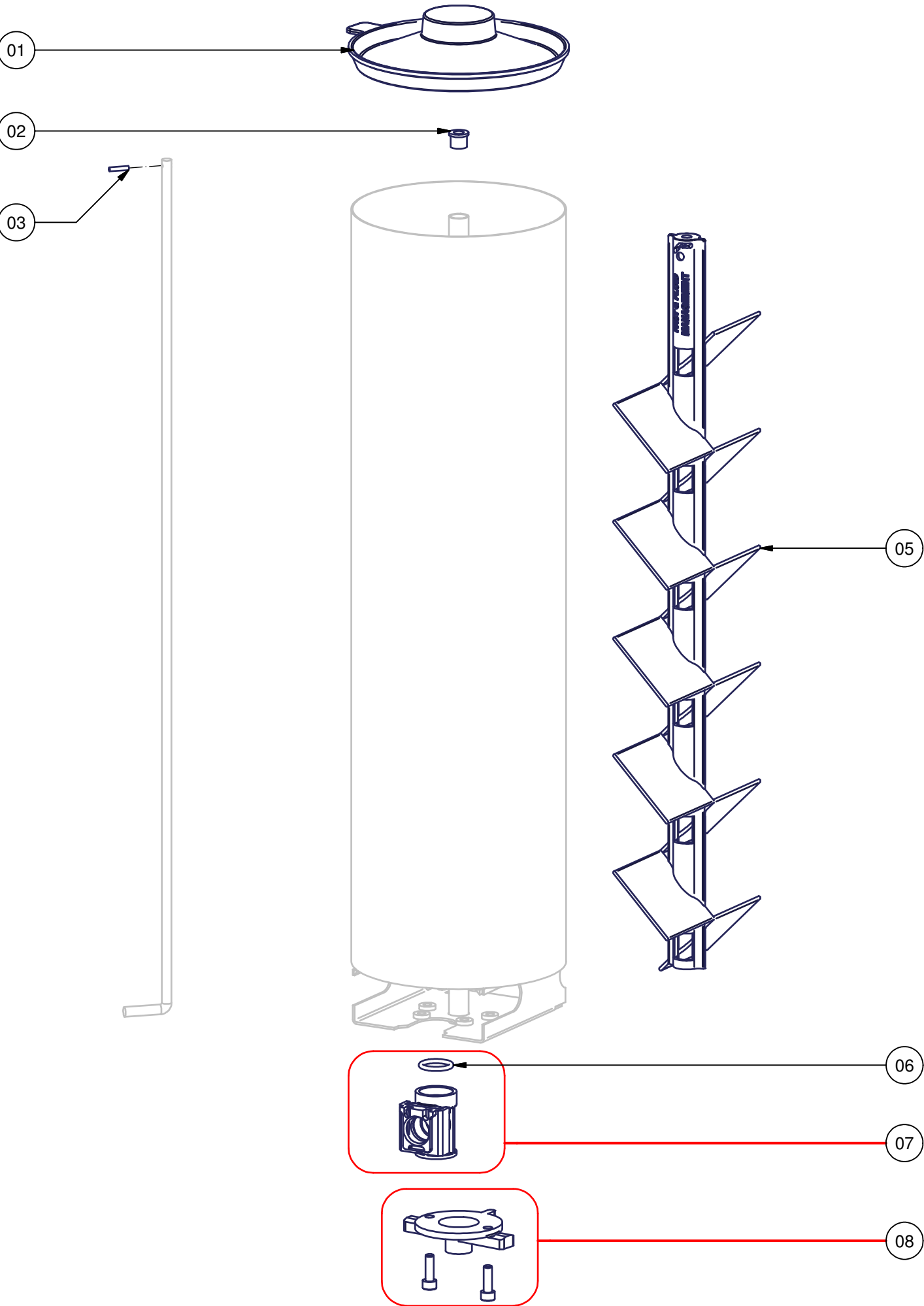
6942 3L,SST can,turn,1ex,POM agit. (option) 1816186



6942 3L,SST can,turn,1ex,POM agit. (option) 1816186

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1802503-SP	Lid POM,3L can,5pcs	
02	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
03	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs.	
06	1860394-SP	Agit POM,3L Sst can,5pcs	
05	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
07	1814871-SP	Fitting, turning, HA	
08	1816106-SP	cap,bottom,sst can with screws	

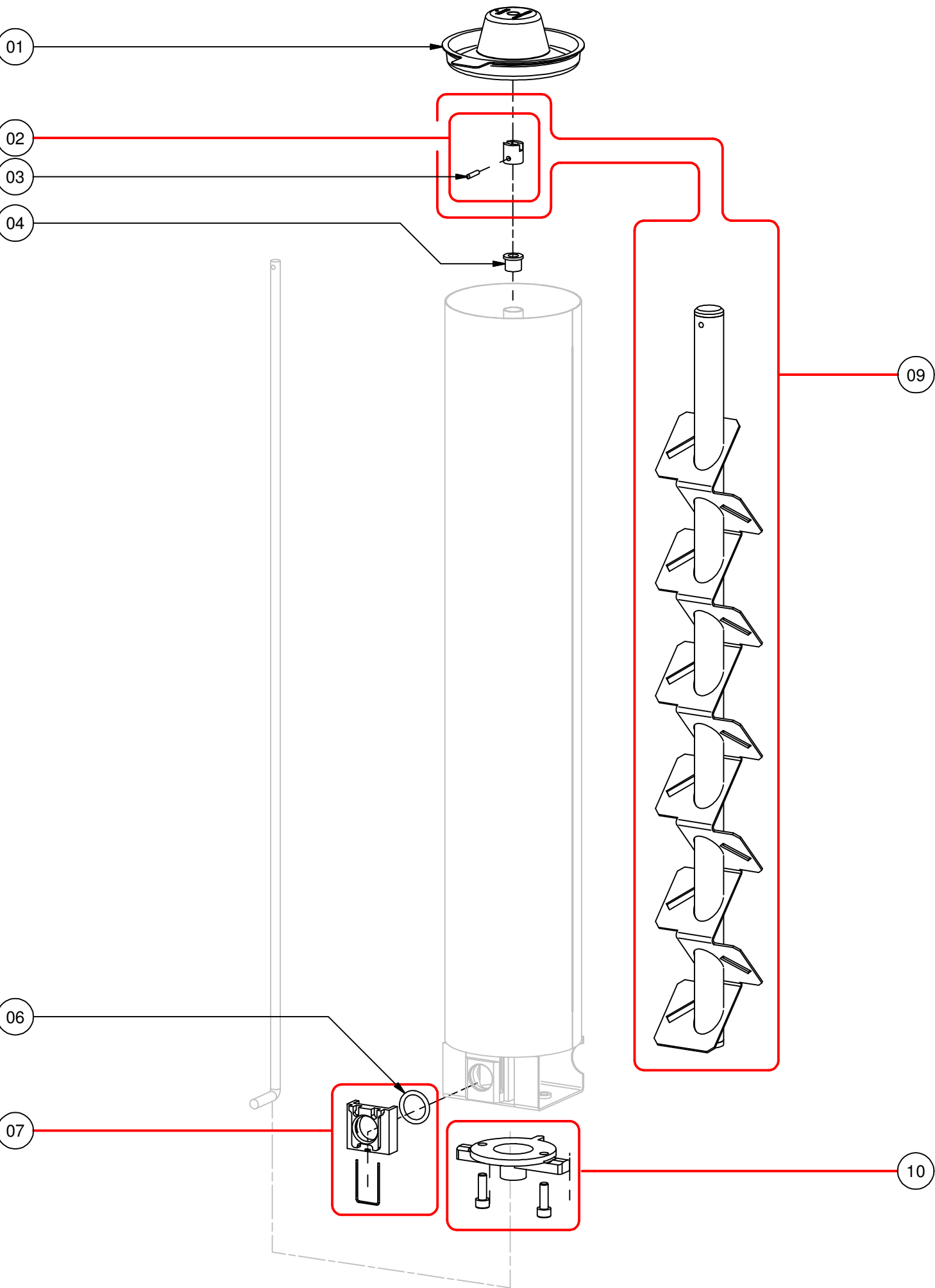
6943 6L,SST can,turn,1ex,POM agit.(option) 1815737



6943 6L,SST can,turn,1ex,POM agit.(option) 1815737

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1802504-SP	Lid POM,4.5/6L can,5pcs	
02	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
03	1860110-SP	Pin,spiro, f2.5x12,Sst,25pcs.	
05	1860395-SP	Agit POM,6L Sst can,5pcs	
06	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
07	1814871-SP	Fitting, turning, HA	
08	1816106-SP	Cap,bottom,sst can with screws	

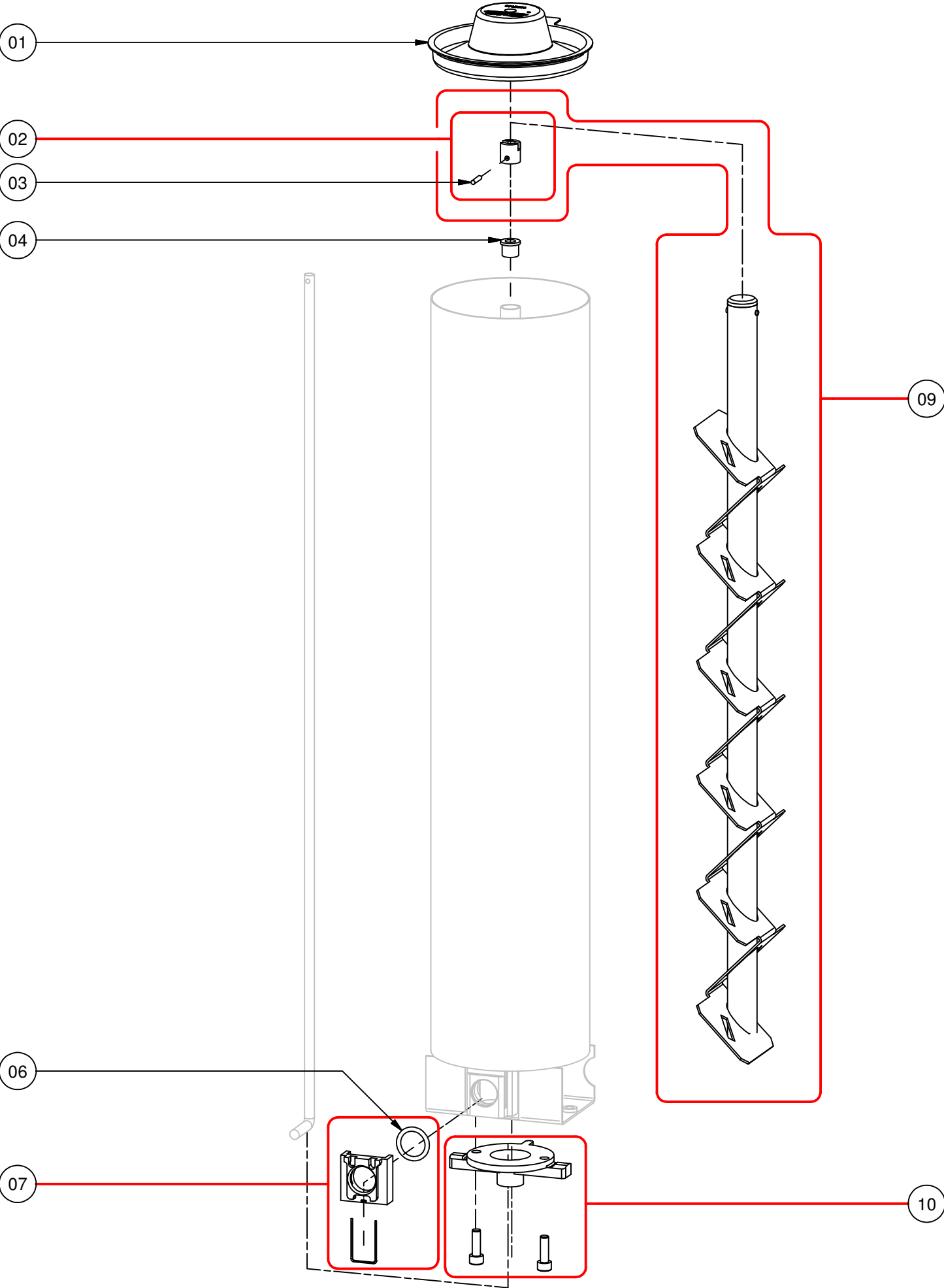
6944 2L,SST can, std,1ex,SST agit. 1814147



6944 2L,SST can, std,1ex,SST agit. 1814147

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1802502-SP	Lid POM,2L can,5pcs	
02	1801798-SP	Bush,center,agit.shaft,HA	
03	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs.	
04	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
06	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
07	1810767-SP	Clip,spring,tube,(Set 5pcs)	
09	1814153-SP	Agit SST, 2L SST can	
10	1816106-SP	Cap,bottom,sst can with screws	

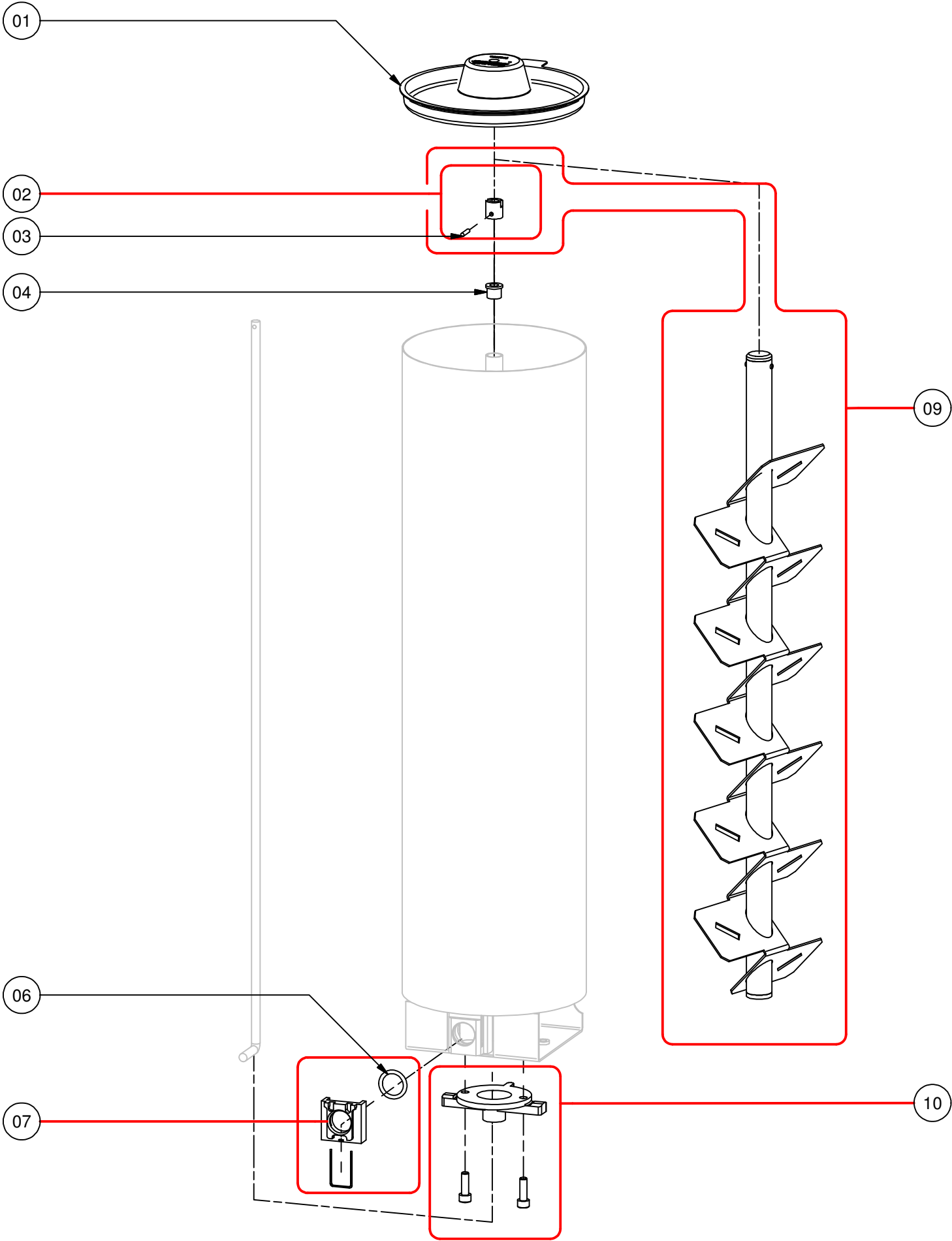
6945 3L,SST can,std,1ex,SST agit. 1863215



6945 3L,SST can,std,1ex,SST agit. 1863215

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1802503-SP	Lid POM,3L can,5pcs	
02	1801798-SP	Bush,center,agit.shaft,HA	
03	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs.	
04	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
06	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
07	1810767-SP	Clip,spring,tube,(Set 5pcs)	
09	1803439-SP	Agit SST, 3L SST can	
10	1816106-SP	Cap,bottom,sst can with screws	

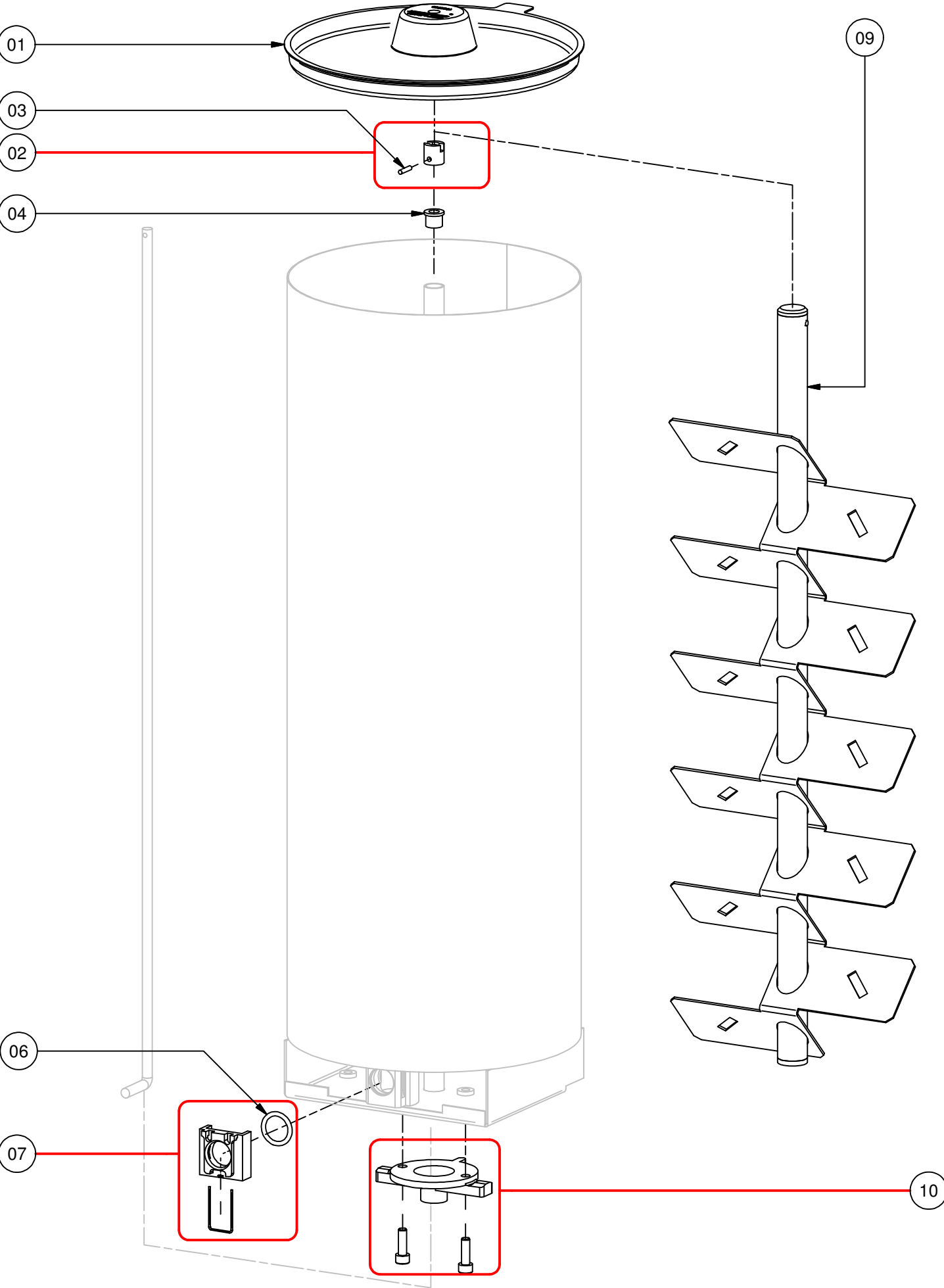
6946 6L,SST can,std,1ex,SST agit. 1863216



6946 6L,SST can,std,1ex,SST agit. 1863216

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1802504-SP	Lid POM,4.5/6L can,5pcs	
02	1801798-SP	Bush,center,agit.shaft,HA	
03	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs.	
04	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
06	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
07	1810767-SP	Clip,spring,tube,(Set 5pcs)	
09	1803441-SP	Agit SST, 6L SST can	
10	1816106-SP	Cap,bottom,sst can with screws	

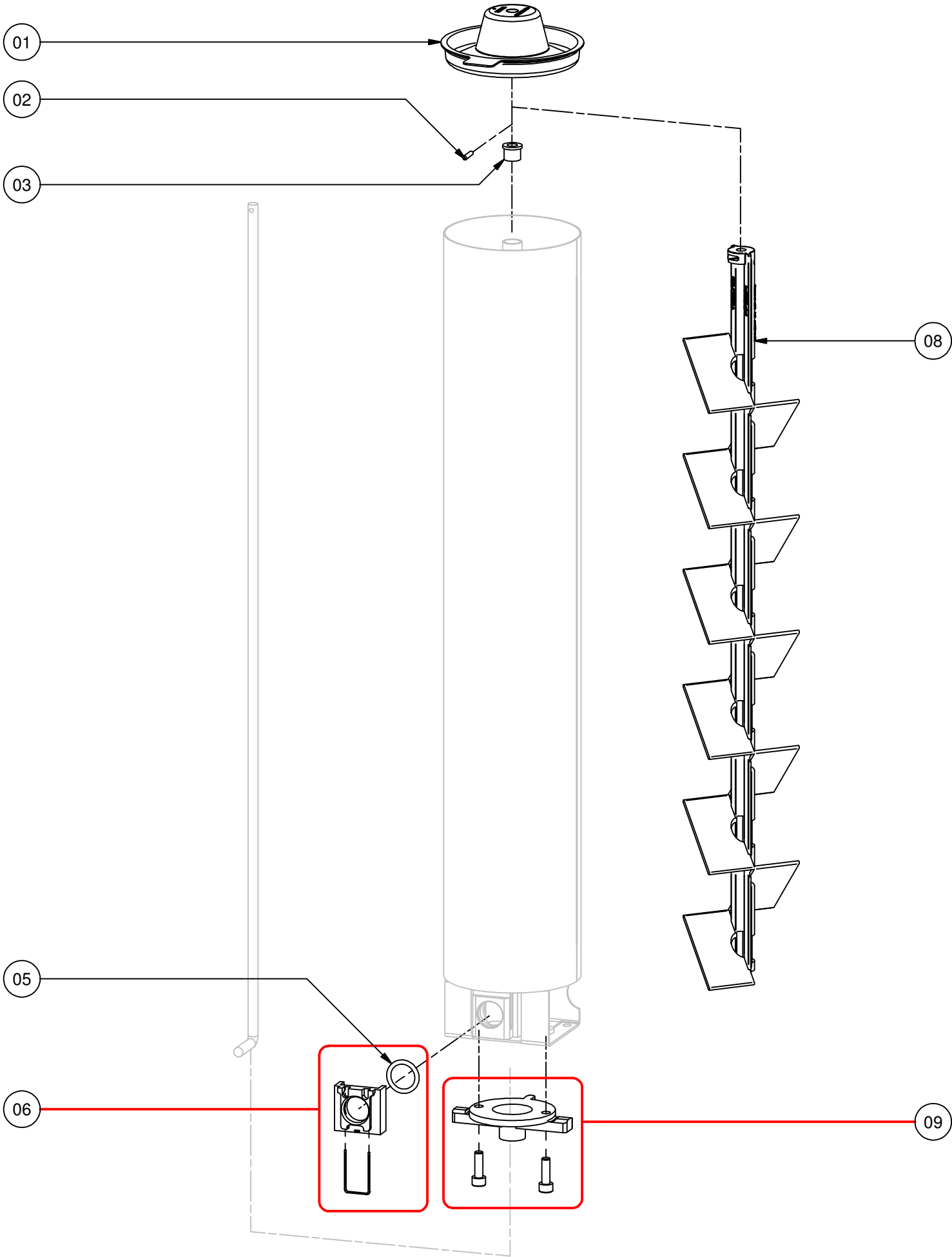
6947 10L,SST can,std,1ex,SST agit. 1810599



6947 10L,SST can,std,1ex,SST agit. 1810599

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1802505-SP	Lid POM,10L can,5pcs	
02	1801798-SP	Bush,center,agit.shaft,HA	
03	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs.	
04	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
06	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
07	1810767-SP	Clip,spring,tube,(Set 5pcs)	
09	1803443-SP	Agit SST, 10L SST can	
10	1816106-SP	Cap,bottom,sst can with screws	

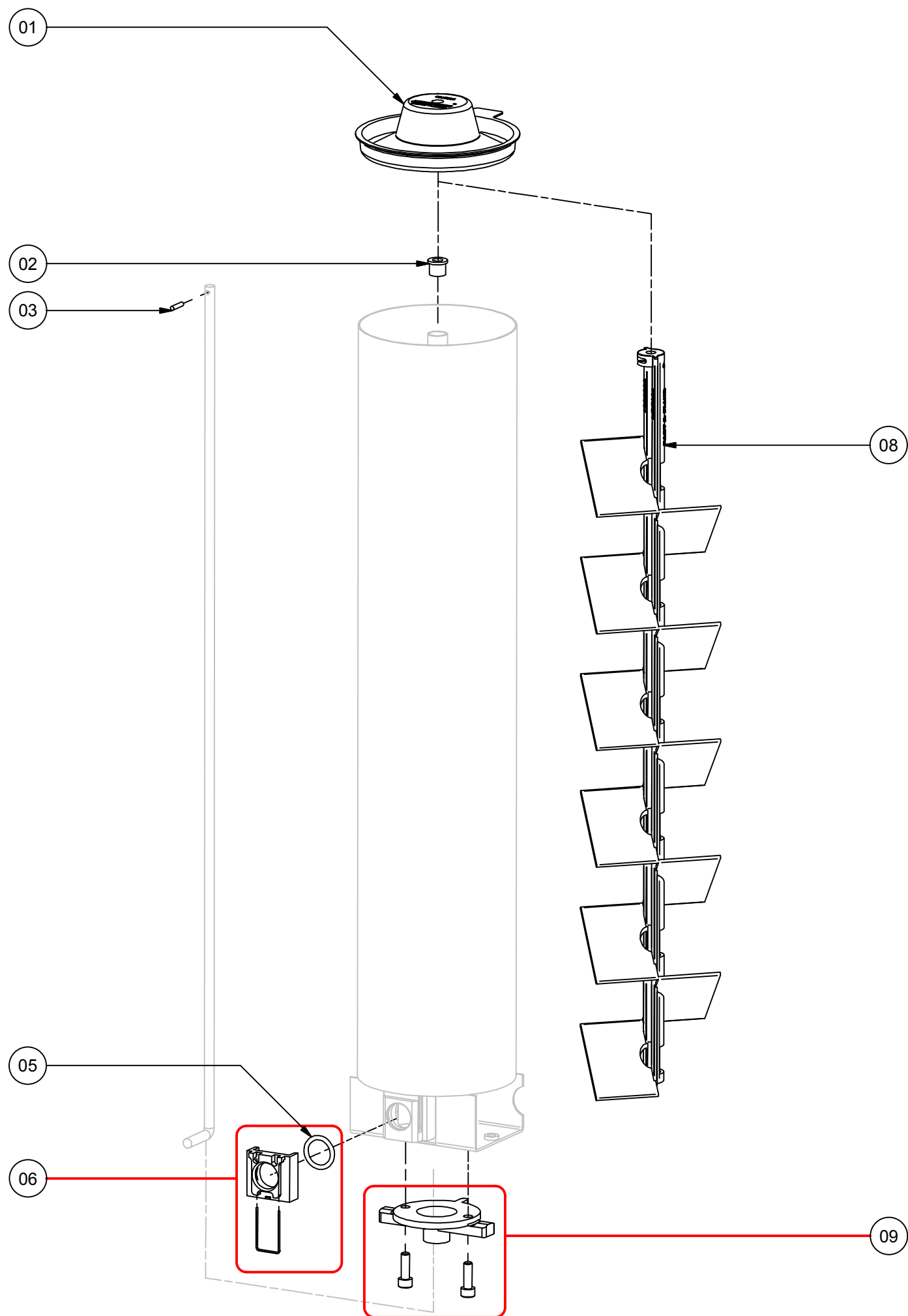
6948 2L,SST can,std,1ex,POM agit. 1814988



6948 2L,SST can,std,1ex,POM agit. 1814988

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1802502-SP	Lid POM,2L can,5pcs	
02	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs.	
03	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
05	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
06	1810767-SP	Clip,spring,tube,(Set 5pcs)	
08	1864700-SP	Agit POM, 2L SST can, 5pcs	
09	1816106-SP	Cap,bottom,sst can with screws	

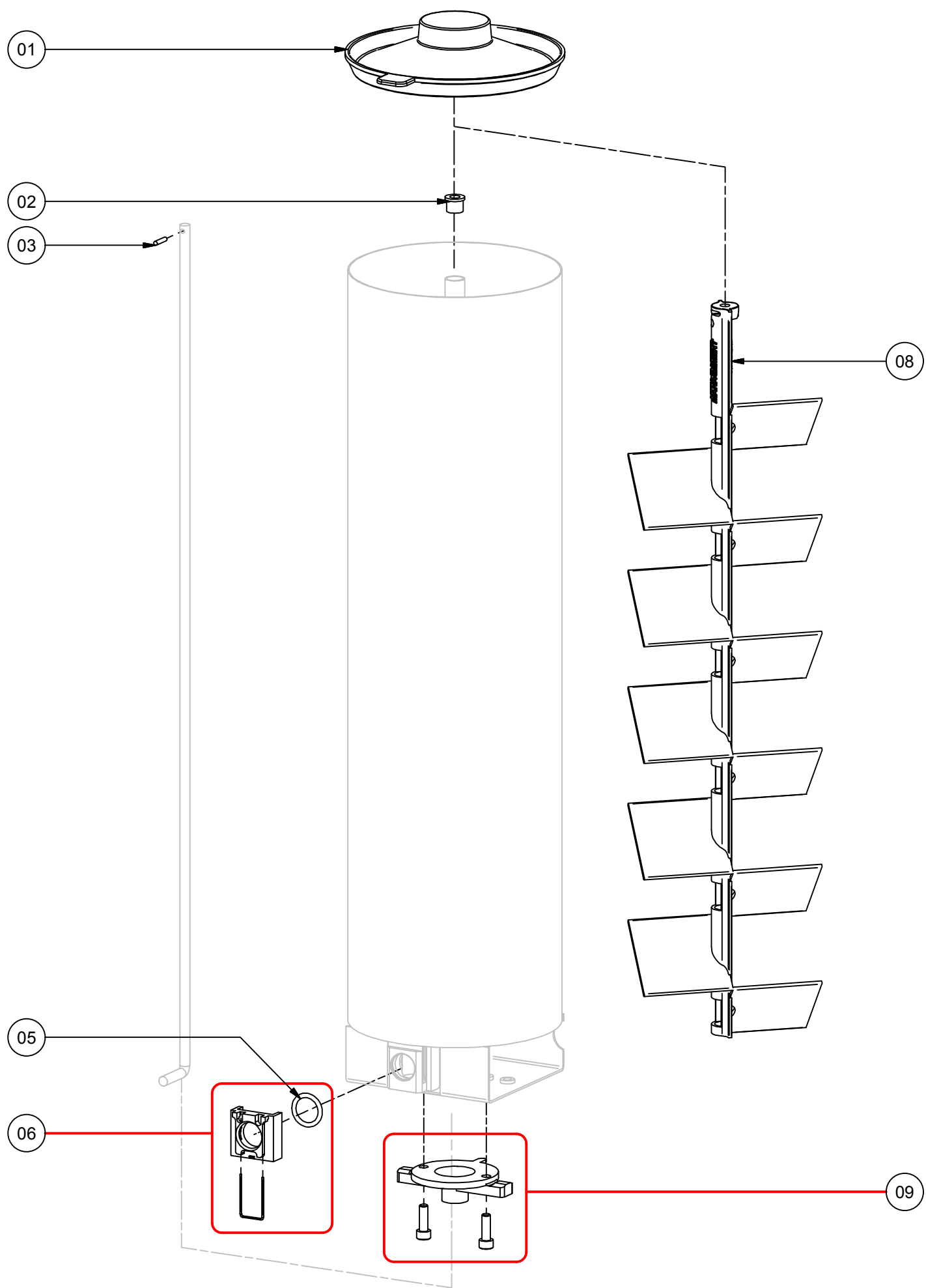
6949 3L,SST can,std,1ex,POM agit. 1809888



6949 3L,SST can,std,1ex,POM agit. 1809888

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1802503-SP	Lid POM,3L can,5pcs	
03	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs.	
02	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
05	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
06	1810767-SP	Clip,spring,tube,(Set 5pcs)	
08	1860394-SP	Agit POM,3L Sst can,5pcs	
09	1816106-SP	Cap,bottom,sst can with screws	

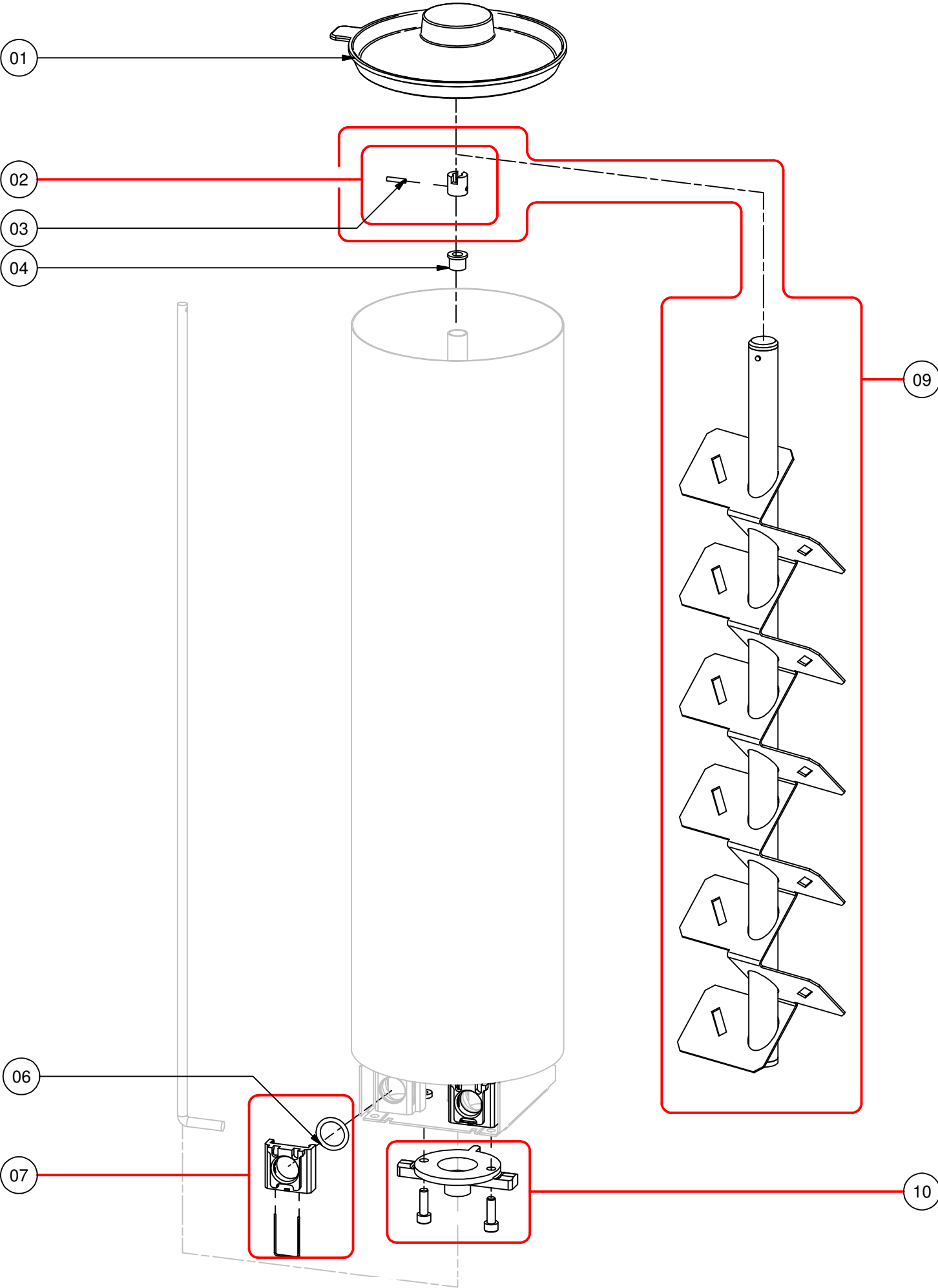
6950 6L,SST can,std,1ex,POM agit. 1810596



6950 6L,SST can,std,1ex,POM agit. 1810596

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1802504-SP	Lid POM,4.5/6L can,5pcs	
02	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
03	1860110-SP	Pin,spirof,2.5x12,Sst,25pcs.	
05	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
06	1810767-SP	Clip,spring,tube,(Set 5pcs)	
08	1860395-SP	Agit POM,6L Sst can,5pcs	
09	1816106-SP	Cap,bottom,sst can with screws	

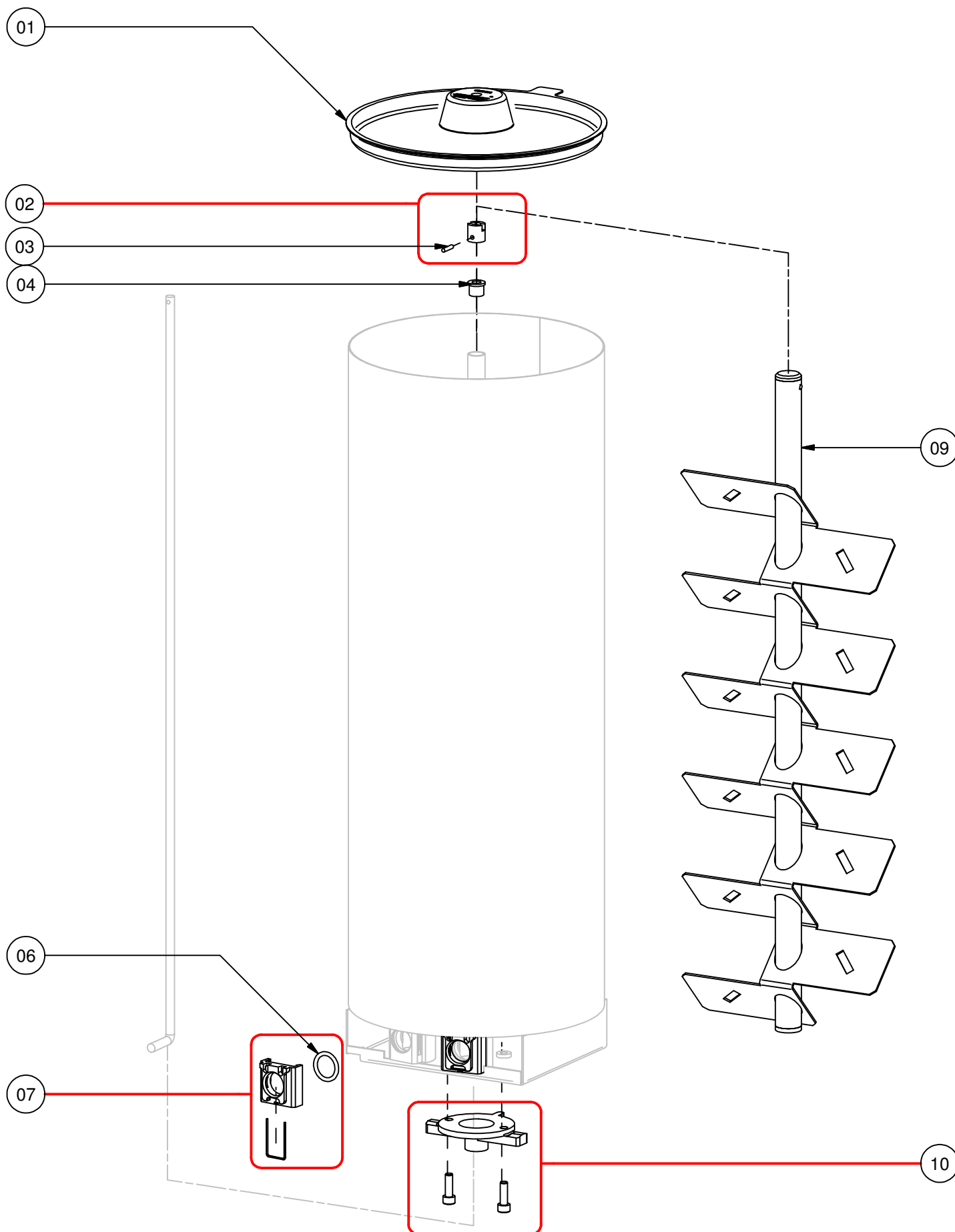
6951 6L,SST can,std,2ex,SST agit. 1864708



6951 6L,SST can,std,2ex,SST agit. 1864708

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1802504-SP	Lid POM,4.5/6L can,5pcs	
02	1801798-SP	Bush,center,agit.shaft,HA	
03	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs.	
04	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
06	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
07	1810767-SP	Clip,spring,tube,(set 5pcs)	
09	1803441-SP	Agit SST, 6L SST can	
10	1816106-SP	Cap,bottom,sst can with screws	

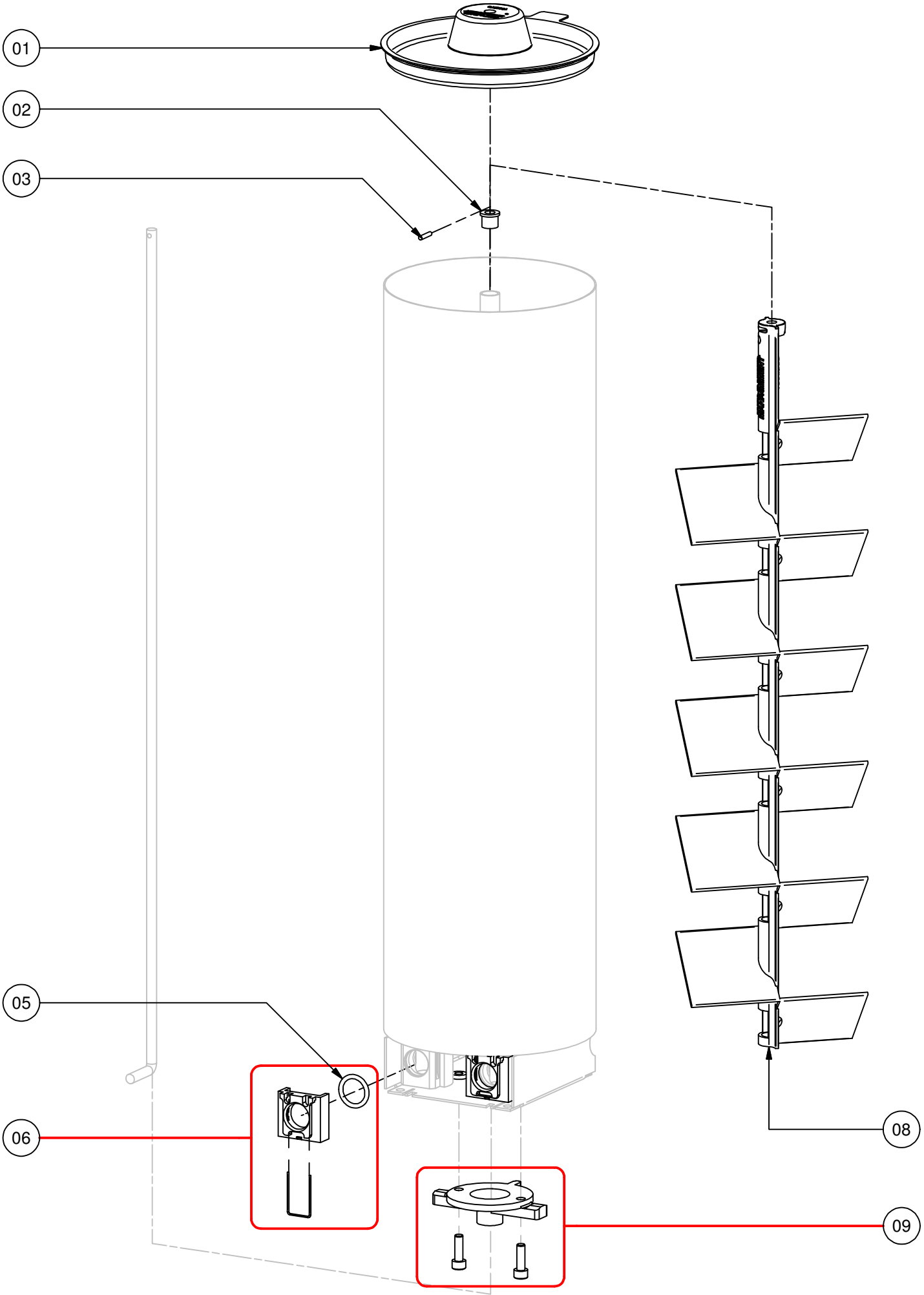
6952 10L,SST can,inn,2ex,SST agit. 1810602



6952 10L,SST can,inn,2ex,SST agit. 1810602

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1802505-SP	Lid POM,10L can,5pcs	
02	1801798-SP	Bush,center,agit.shaft,HA	
03	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs.	
04	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
06	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
07	1810767-SP	Clip,spring,tube,(set 5pcs)	
09	1803443-SP	Agit SST, 10L SST can	
10	1816106-SP	Cap,bottom,sst can with screws	

6956 6L,SST can,std,2ex,POM agit.1814168

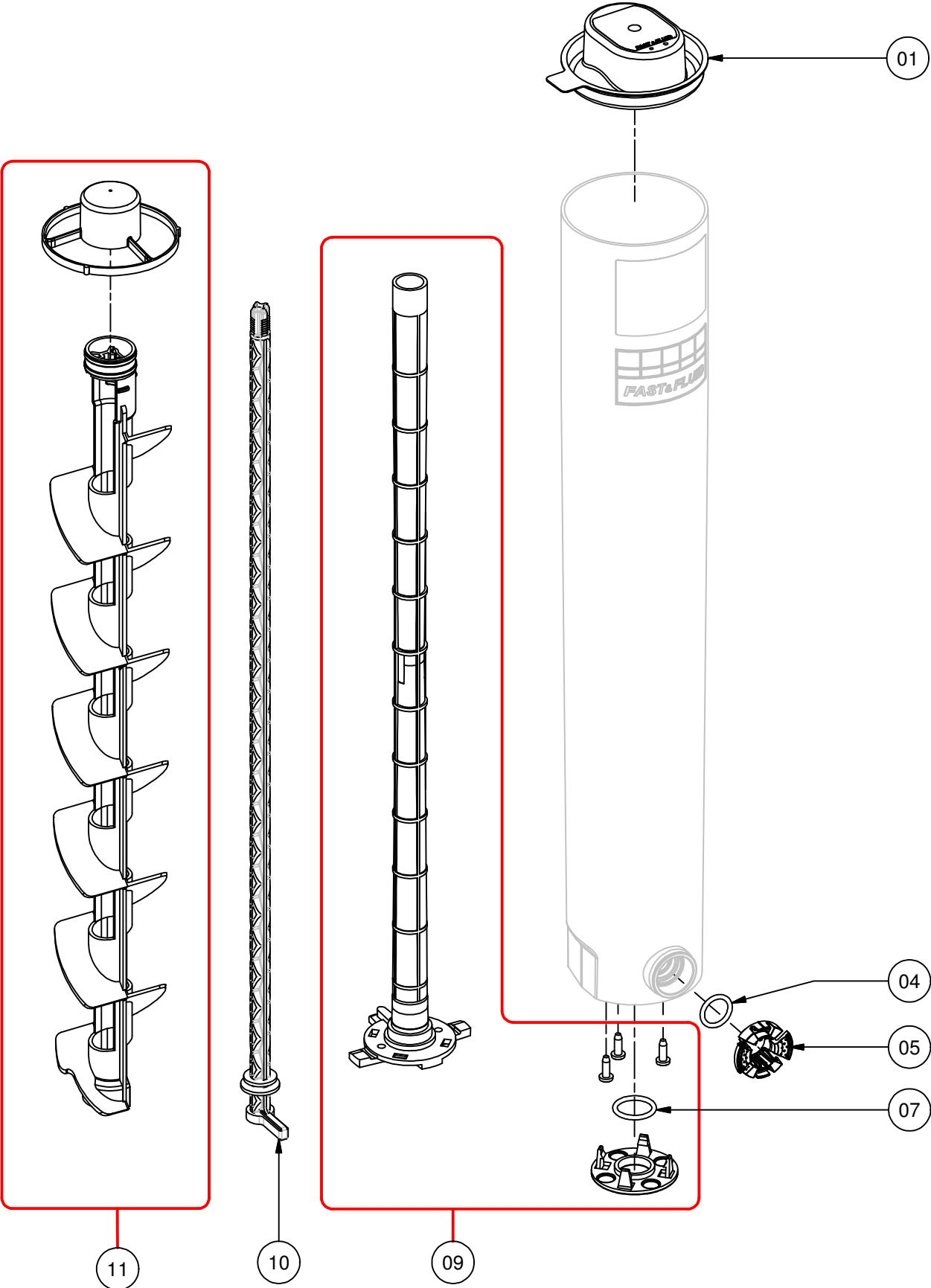


6956

6L,SST can,std,2ex,POM agit.1814168

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1802504-SP	Lid POM,6L can,5pcs	
02	1801447-SP	Bush,shaft-pipe,set,HA,10pcs	
03	1860110-SP	Pin,spiro1,f2.5x12,Sst,25pcs.	
05	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
06	1810767-SP	Clip,spring,tube,(Set 5pcs)	
08	1860395-SP	Agit POM,6L Sst can,5pcs	
09	1816106-SP	Cap,bottom,sst can with screws	

6957-A 2L,POM can,std,1ex,POM agit. 1865000
Up to W52,2014 S.N.966293



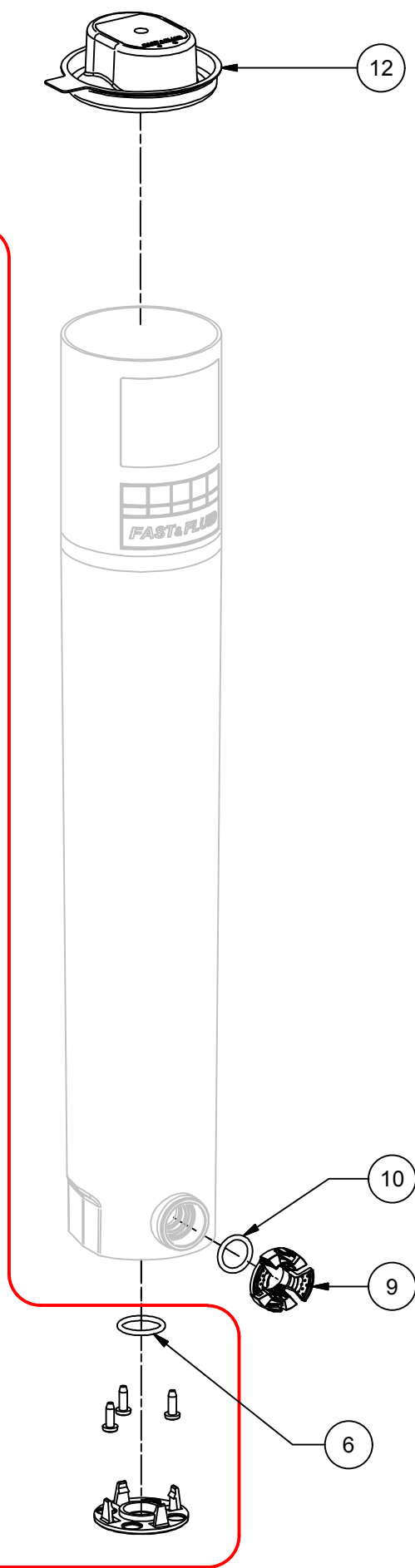
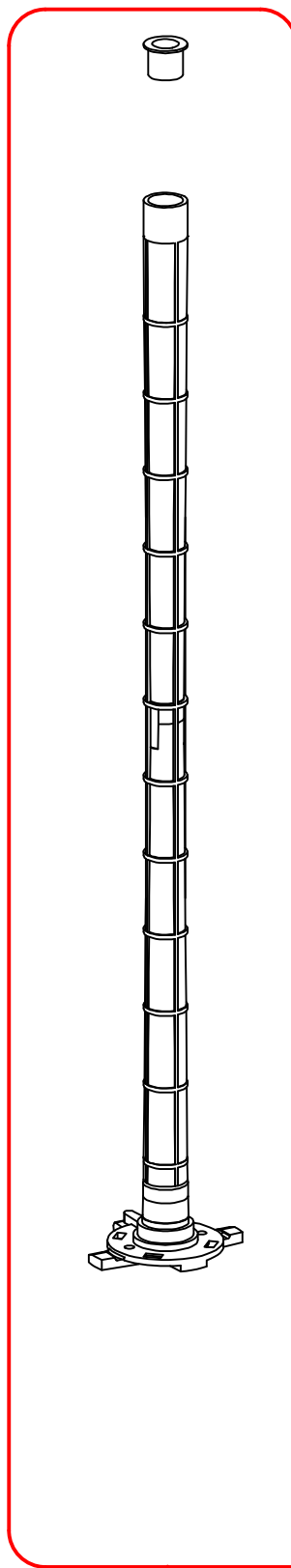
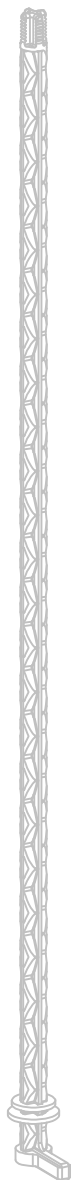
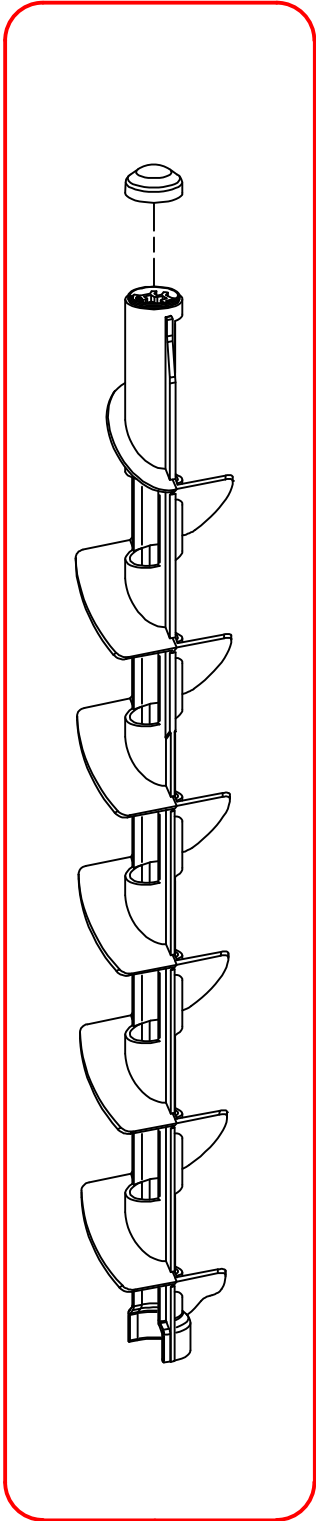
6957-A 2L,POM can,std,1ex,POM agit. 1865000

Up to W52,2014 S.N.966293

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1817421-SP	Lid POM,2L can,5pcs	
04	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
05	1817841-SP	Clip,pump,canister,HA,5pcs	
07	1362231-SP	O-ring,cann.vit.20.29 set 10pc	
09	1817427-SP	Inner tube,canister,kit	
10	1817917-SP	Shaft,canister,HA,5pcs	
11	1817424-SP	Agit POM kit,2L POM can,5pcs	

6957-B 2L,POM can,std,1ex,POM agit. 1865010

From W1,2015 S.N. 966294



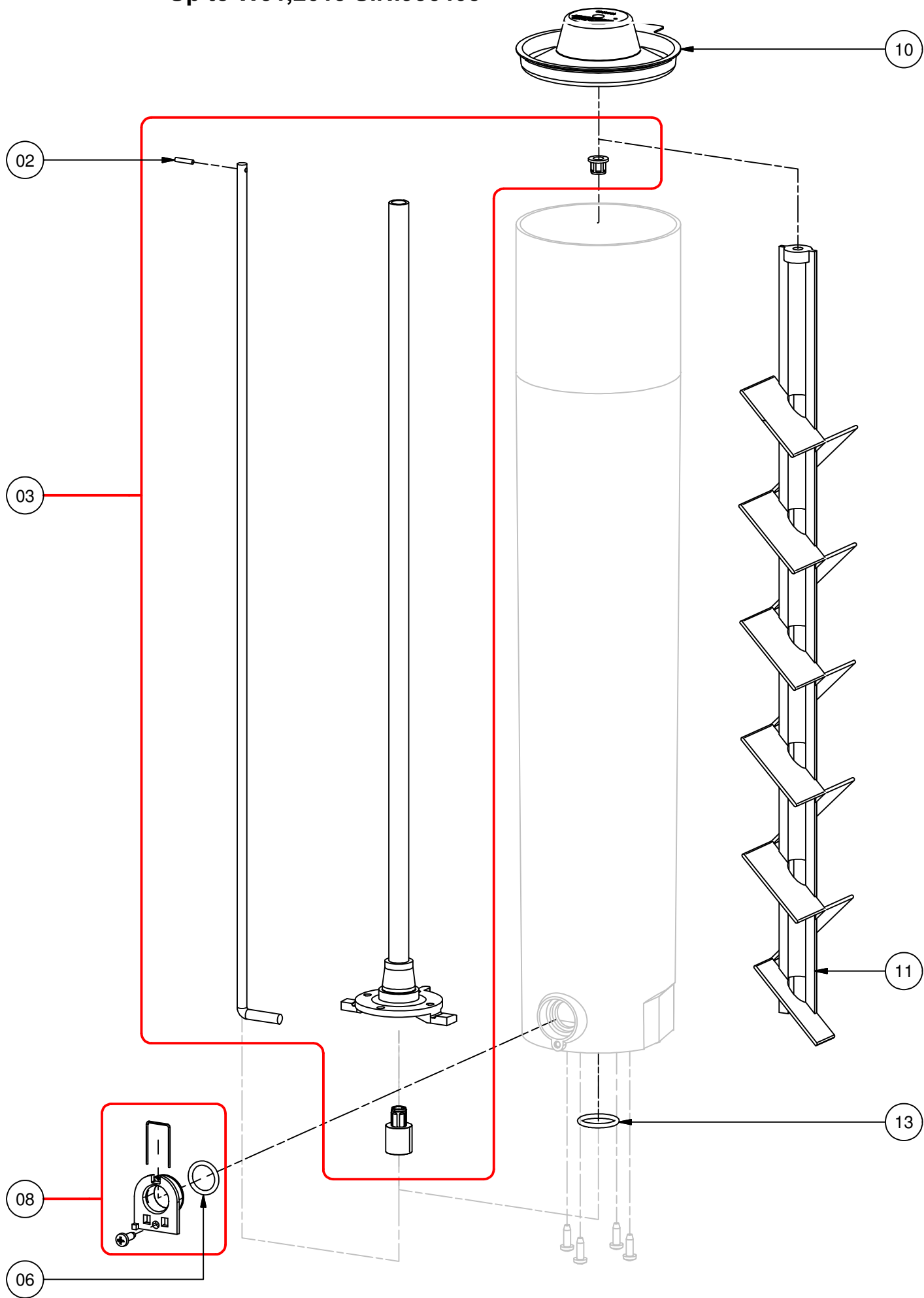
6957-B

2L,POM can,std,1ex,POM agit. 1865010

From W1,2015 S.N. 966294

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
3	1817911 -SP	Agitator,2L,POM,2014,5pcs	
6	1362231-SP	O-ring,cann.vit.20.29 set 10pc	
5	1817427-SP	Inner tube,canister,kit	
9	1817841-SP	Clip,pump,canister,HA,5pcs	
10	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
12	1817421-SP	Lid POM,2L can,5pcs	

6958-A Canister,POM,3L,POM agit,1ex 1862307
Up to W31,2013 S.N.936405

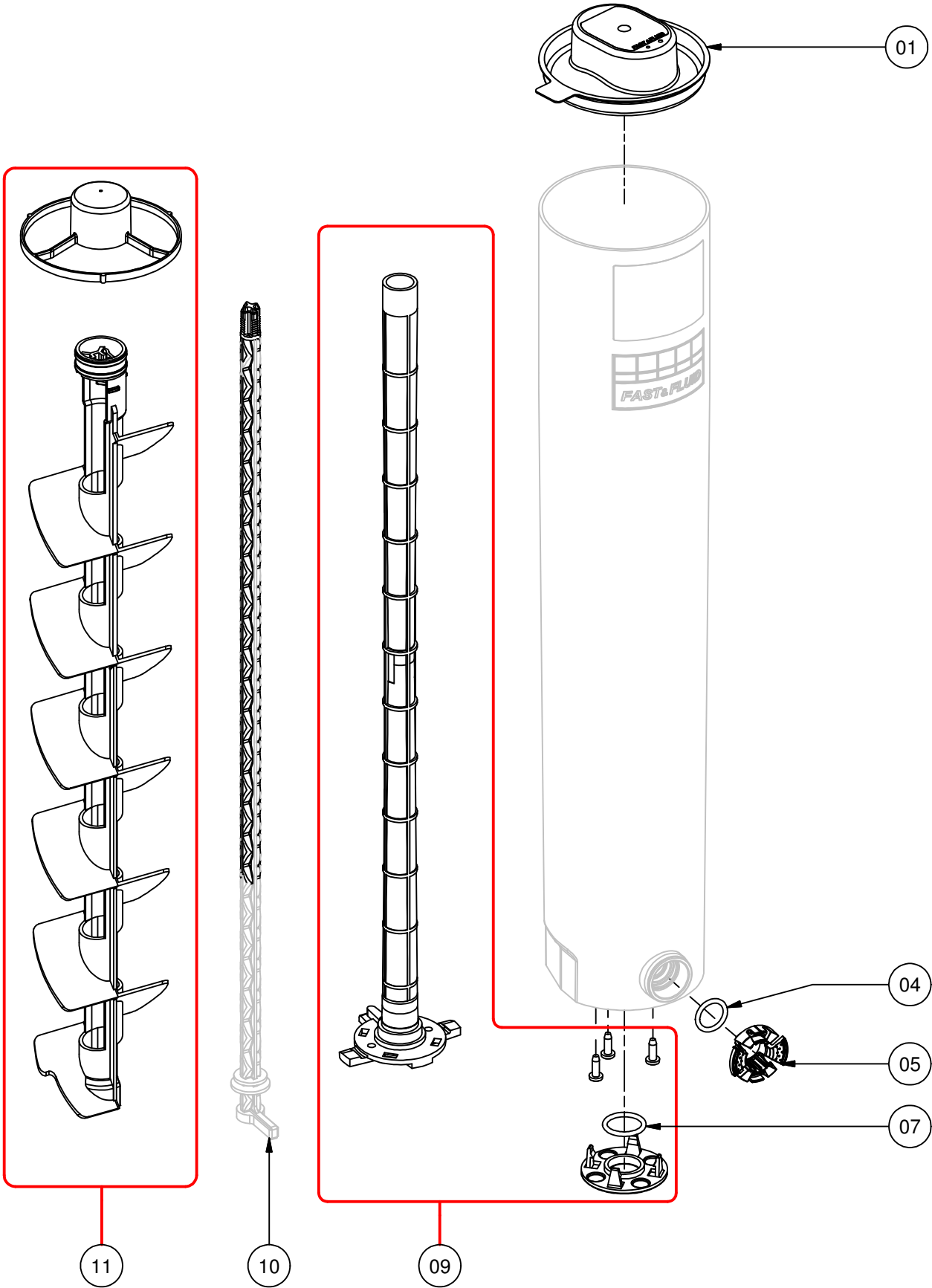


6958-A Canister,POM,3L,POM agit,1ex

Up to W31,2013 S.N.936405

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
02	1860110-SP	Pin,spiral,f2.5x12,Sst,25pcs.	
03	1864282-SP	Cap bottom+agit shaft+spiral	
06	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
08	1809561-SP	Guiding,br,can-mount,5 sets	
10	1802503-SP	Lid POM,3L can,5pcs	
11	1860392-SP	Agit POM, 3L POM can, 5pcs	
13	1362231-SP	O-ring,cann.vit.20.29 set 10pc	

6958-B 3L,POM can,std,1ex,POM agit. 1865001
From W31,2013 S.N.936405, till W52,2014 S.N. 966294

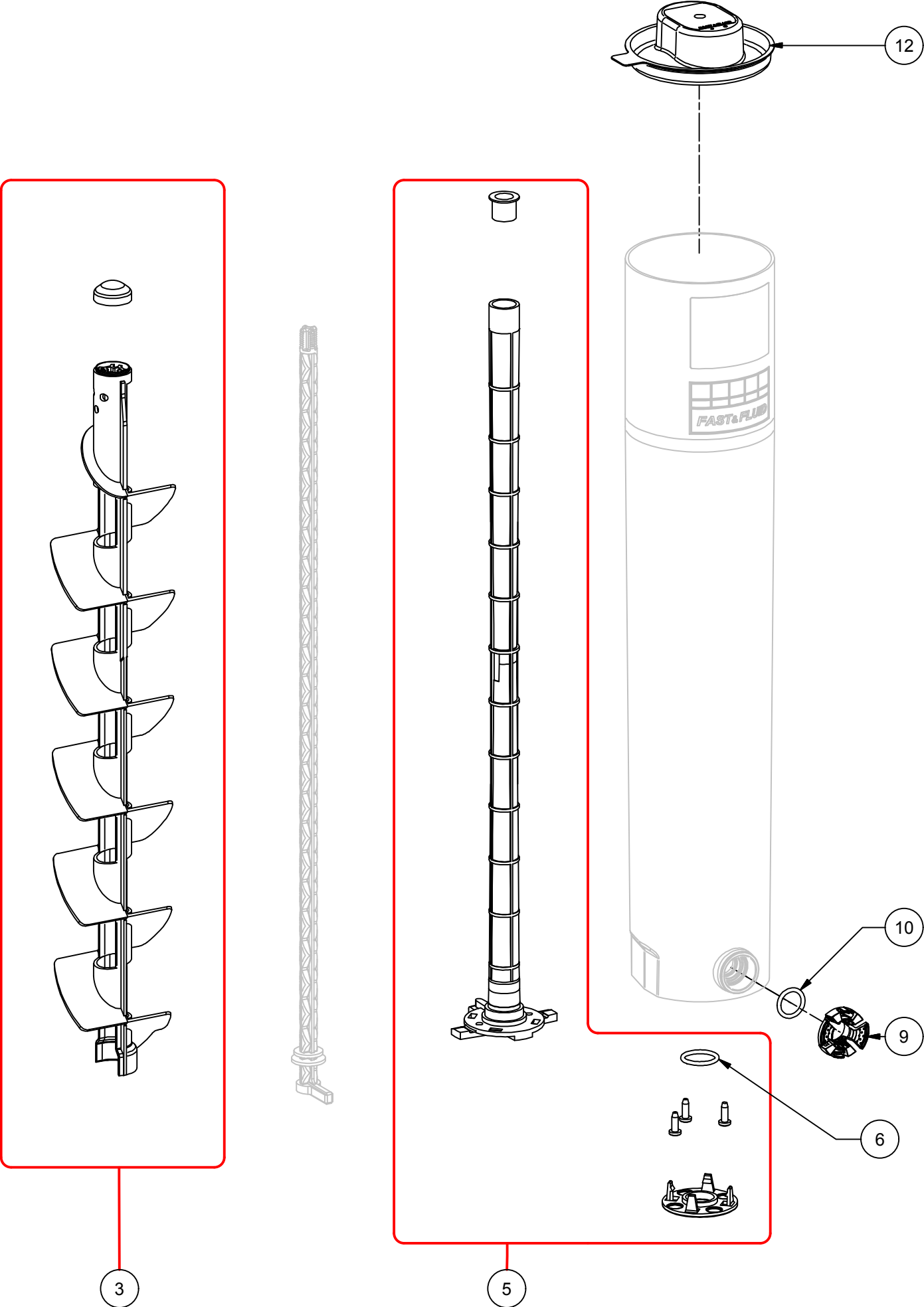


6958-B 3L,POM can,std,1ex,POM agit. 1865001

From W31,2013 S.N.936405, till W52,2014 S.N. 966294

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1817422-SP	Lid POM,2.5/3L can,5pcs	
04	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
05	1817841-SP	Clip,pump,canister,HA,5pcs	
07	1362231-SP	O-ring,cann.vit.20.29 set 10pc	
09	1817427-SP	Inner tube,canister,kit	
10	1817917-SP	Shaft,canister,HA,5pcs	
11	1817425-SP	Agit POM, 3L POM can, 5pcs	

6958-C 3L,POM can,std,1ex,POM agit 1865011
From W1,2015 S.N. 966294



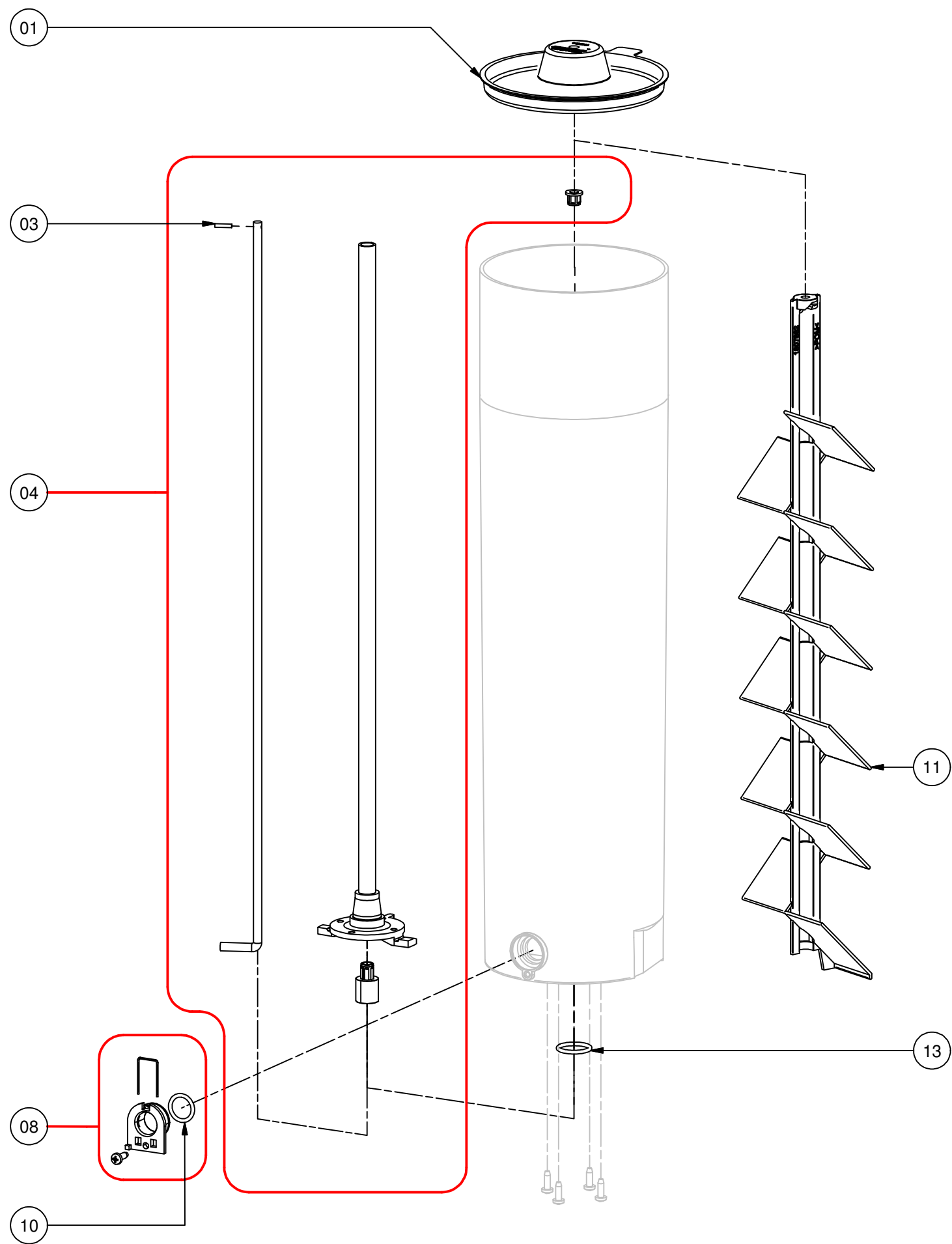
6958-C

3L,POM can,std,1ex,POM agit 1865011

From W1,2015 S.N. 966294

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
3	1817910-SP	Agitator,3L,POM,2014,5pcs	
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	

6959-A Canister,POM,6L,POM agit 1862380
Up to W32,2013 S.N.936405

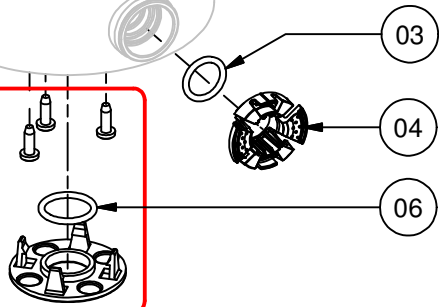
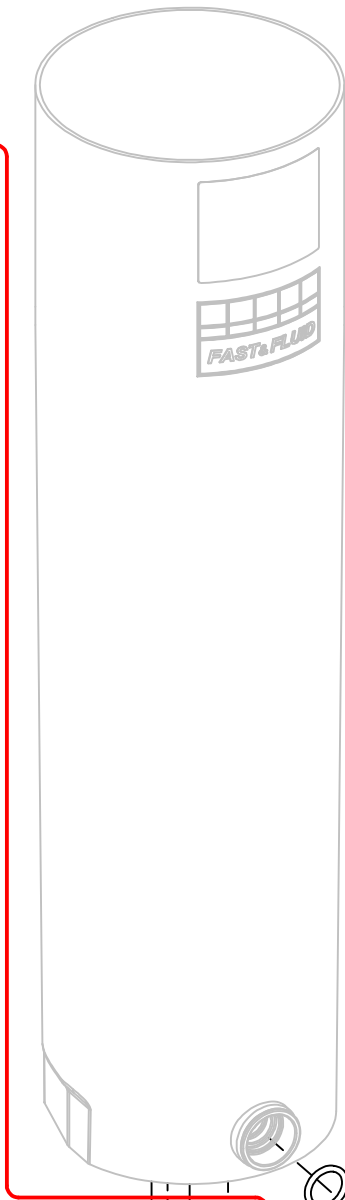
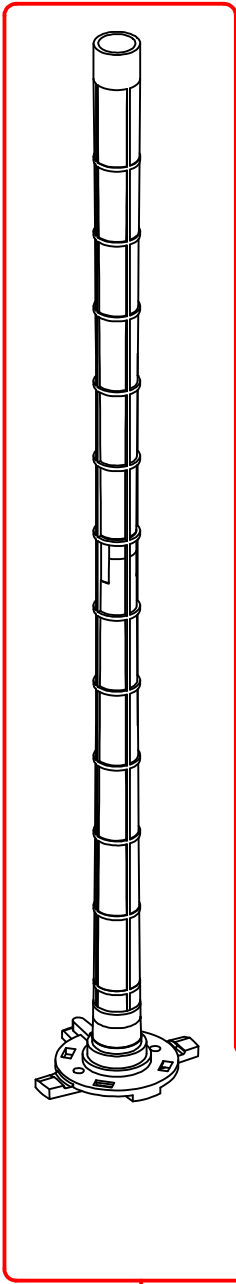
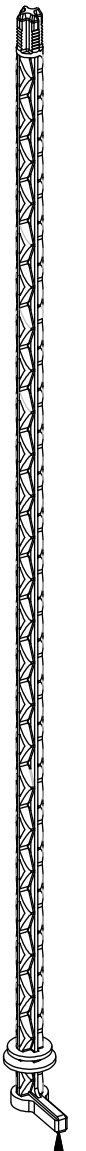
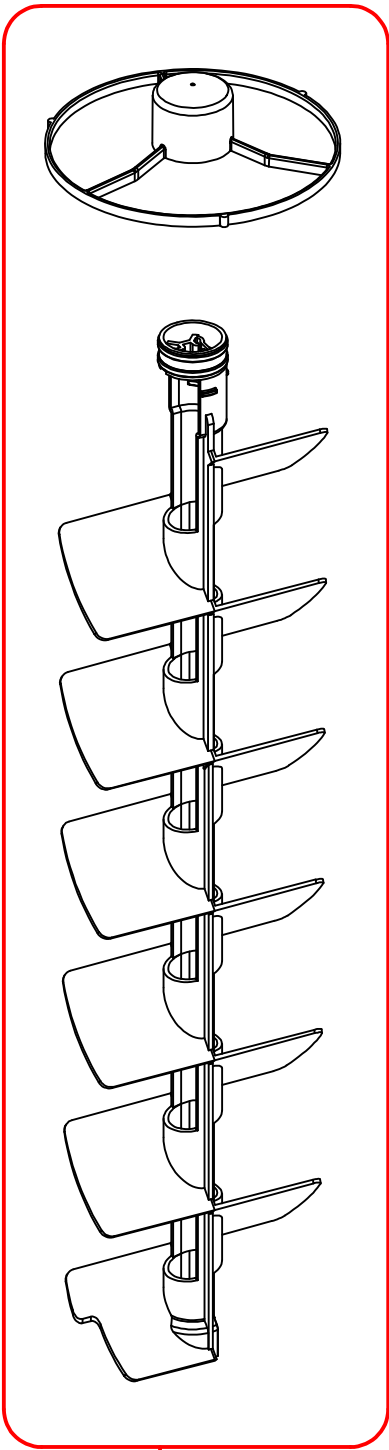
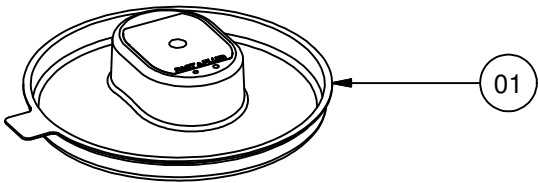


6959-A Canister,POM,6L,POM agit 1862380

Up to W32,2013 S.N.936405

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1802504-SP	Lid POM,4.5/6L can,5pcs	
03	1860110-SP	Pin,spirol,f2.5x12,Sst,25pcs.	
04	1864282-SP	Cap bottom+agit shaft+spirol	
08	1809561-SP	Guiding,br,can-mount,5 sets	
10	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
11	1860393-SP	Agit POM, 6L POM can, 5pcs	
13	1362231-SP	O-ring,cann.vit.20.29 set 10pc	

6959-B 6L,POM can,std,1ex,POM agit 1865002
From W32,2013 S.N.936405, till W52,2014 S.N. 966294



10

09

08

01

03

04

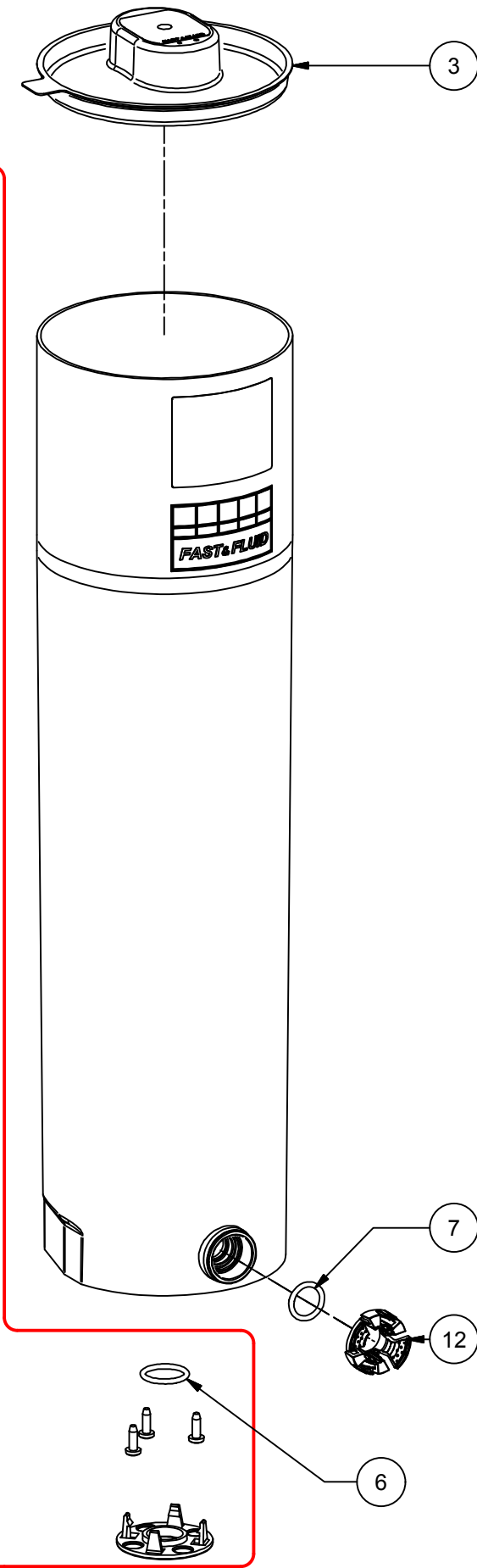
06

6959-B 6L,POM can,std,1ex,POM agit 1865002

From W32,2013 S.N.936405, till W52,2014 S.N. 966294

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1817423-SP	Lid POM,5/6L can,5pcs	
03	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
04	1817841-SP	Clip,pump,canister,HA,5pcs	
06	1362231-SP	O-ring,cann.vit.20.29 set 10pc	
08	1817427-SP	Inner tube,canister,kit	
09	1817917-SP	Shaft,canister,HA,5pcs	
10	1817426-SP	Agit POM kit,6L POM can,5pcs	

From W1,2015 S.N. 966294



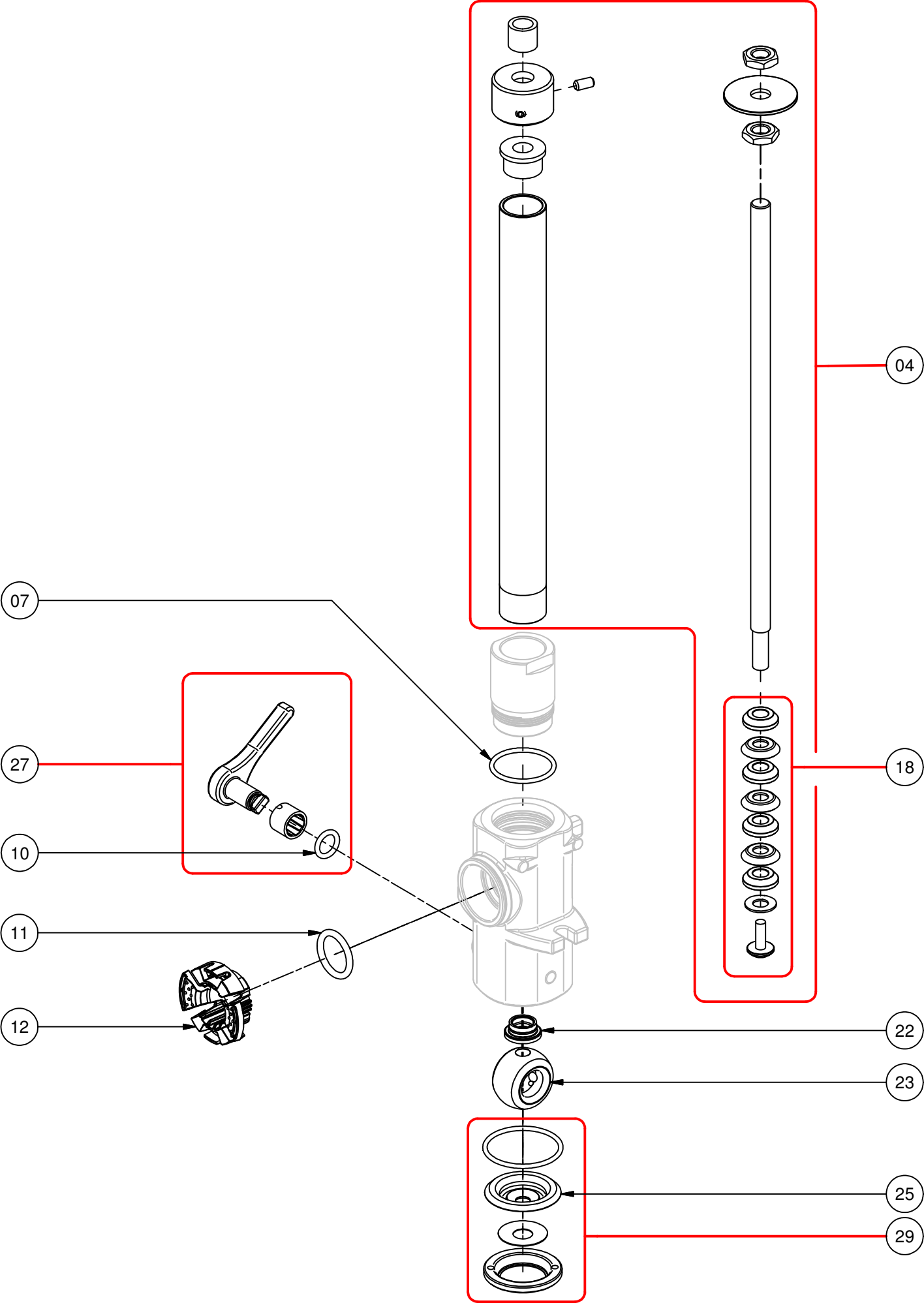
6959-C

6L,POM can,std,1ex,POM agit. 1865012

From W1,2015 S.N. 966294

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
3	1817423-SP	Lid POM,5/6L can,5pcs	
4	1817427-SP	Inner tube,canister,kit	
6	1362231-SP	O-ring,cann.vit.20.29 set 10pc	
7	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
9	1817912-SP	Agitator,6L,POM,2014	
12	1817841-SP	Clip,pump,canister,HA,5pcs	

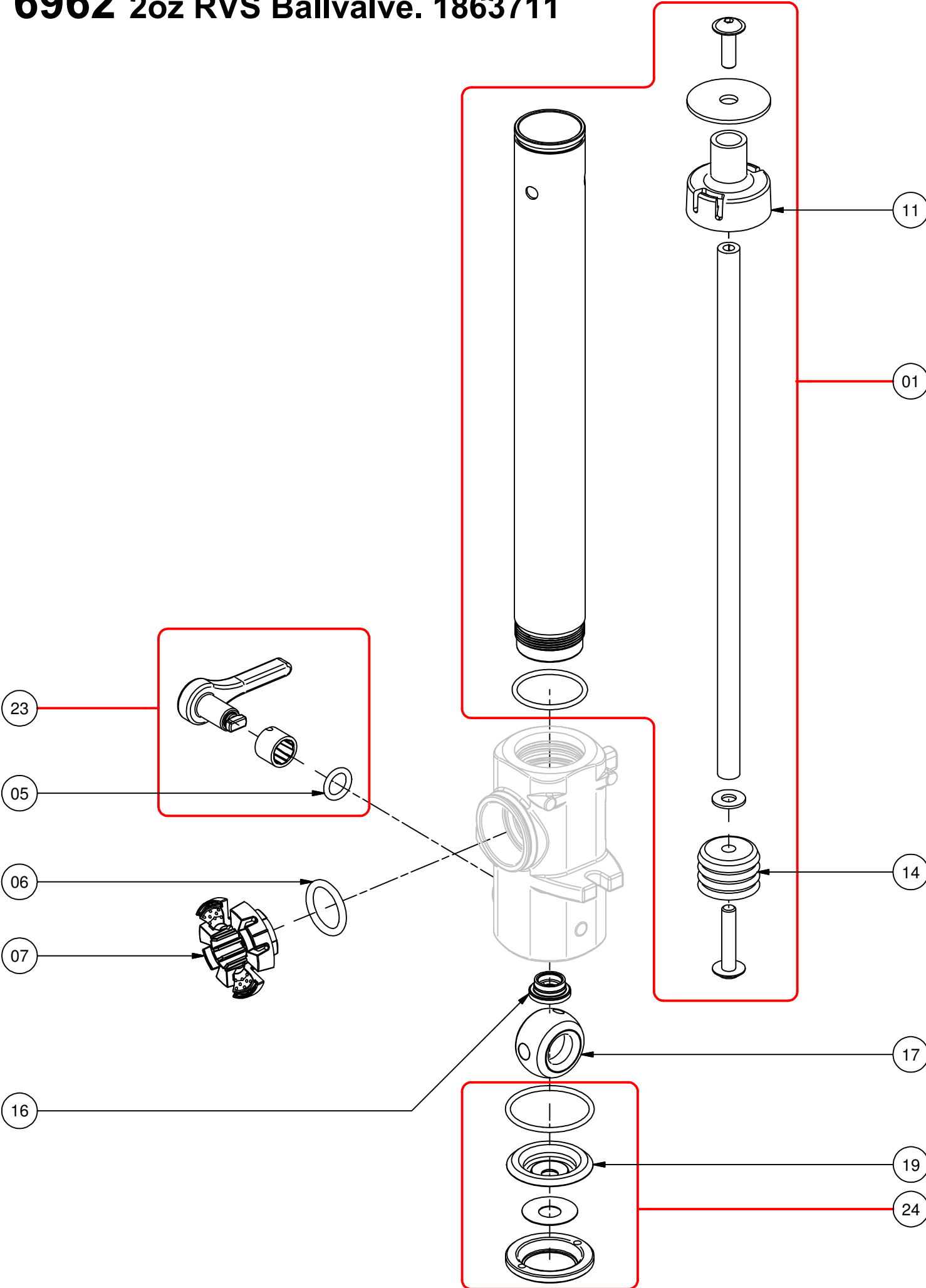
6961 1oz RVS Ballvalve. 1814533



6961 1oz RVS Ballvalve. 1814533

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
04	4221100-SP	Pumpt&rod&pist&cap,assy,1ozUS	
07	1861350-SP	O-ring,23.52x1.78.vit/set10pcs	
10	1863649-SP	O-ring,8,5x2,lever,ballv,10pcs	
11	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
12	1817841-SP	Clip,pump,canister,HA,5pcs	
18	4223110-SP	Piston,teflon,1-oz,US,set,3pcs	
22	1813371-SP	Topseal,1/2/5oz (set 25 pcs)	
23	1813535-SP	ball,medium,ballvalve,5pcs	
25	1810997-SP	Seal,ball-valve (set 50pcs)	
28	1810556-SP	Arm,assy,ballvalve	
29	1863527-SP	Ballvalve,Disk 5pcs + gloves + 1 tool	
29	1863528-SP	Ballvalve,Disk 5pcs	
29	1863528X-SP	Ballvalve,Disk 100pcs	

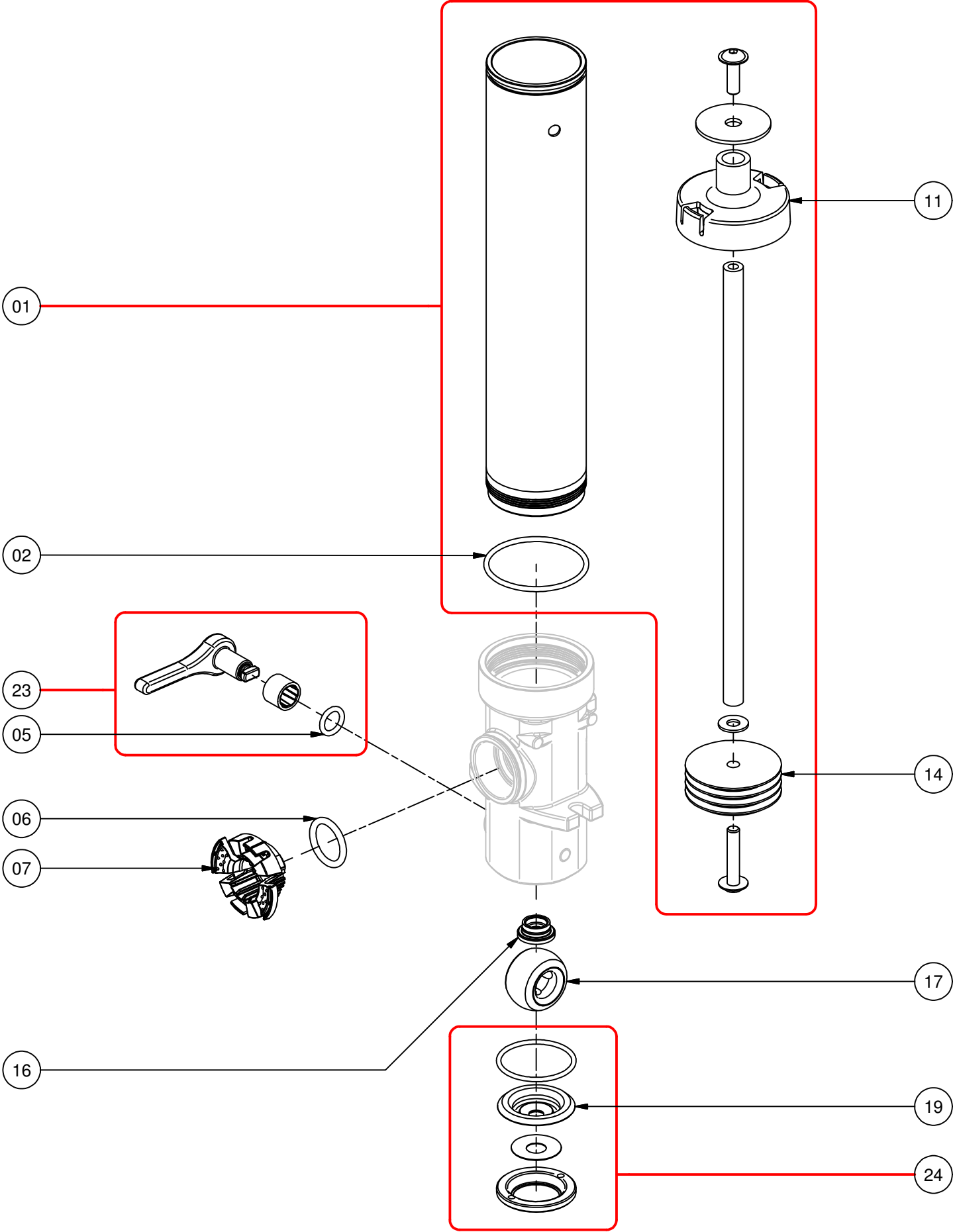
6962 2oz RVS Ballvalve. 1863711



6962 2oz RVS Ballvalve. 1863711

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1813327-SP	tube,HAx50,ballvalve,2oz,compl	
02	1861350-SP	O-ring,23.52x1.78.vit/set10pcs	
05	1863649-SP	O-ring,8,5x2,lever,ballv,10pcs	
06	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
07	1817841-SP	Clip,pump,canister,HA,5pcs	
11	1813428-SP	cap,tube,2-oz,5pcs	
14	1810936-SP	Piston,teflon,2oz,HA,10pcs	
14	1810936X-SP	Piston,teflon,2oz,HA,100pcs	
16	1813371-SP	Topseal,1/2/5oz (set 25 pcs)	
17	1813535-SP	ball,medium,ballvalve,5pcs	
19	1810997-SP	Seal,ball-valve (set 50pcs)	
23	1810556-SP	Arm,assy,ballvalve	
24	1863527-SP	Ballvalve,Disk 5pcs + gloves + 1 tool	
24	1863528-SP	Ballvalve,Disk 5pcs	
24	1863528X-SP	Ballvalve,Disk 100pcs	

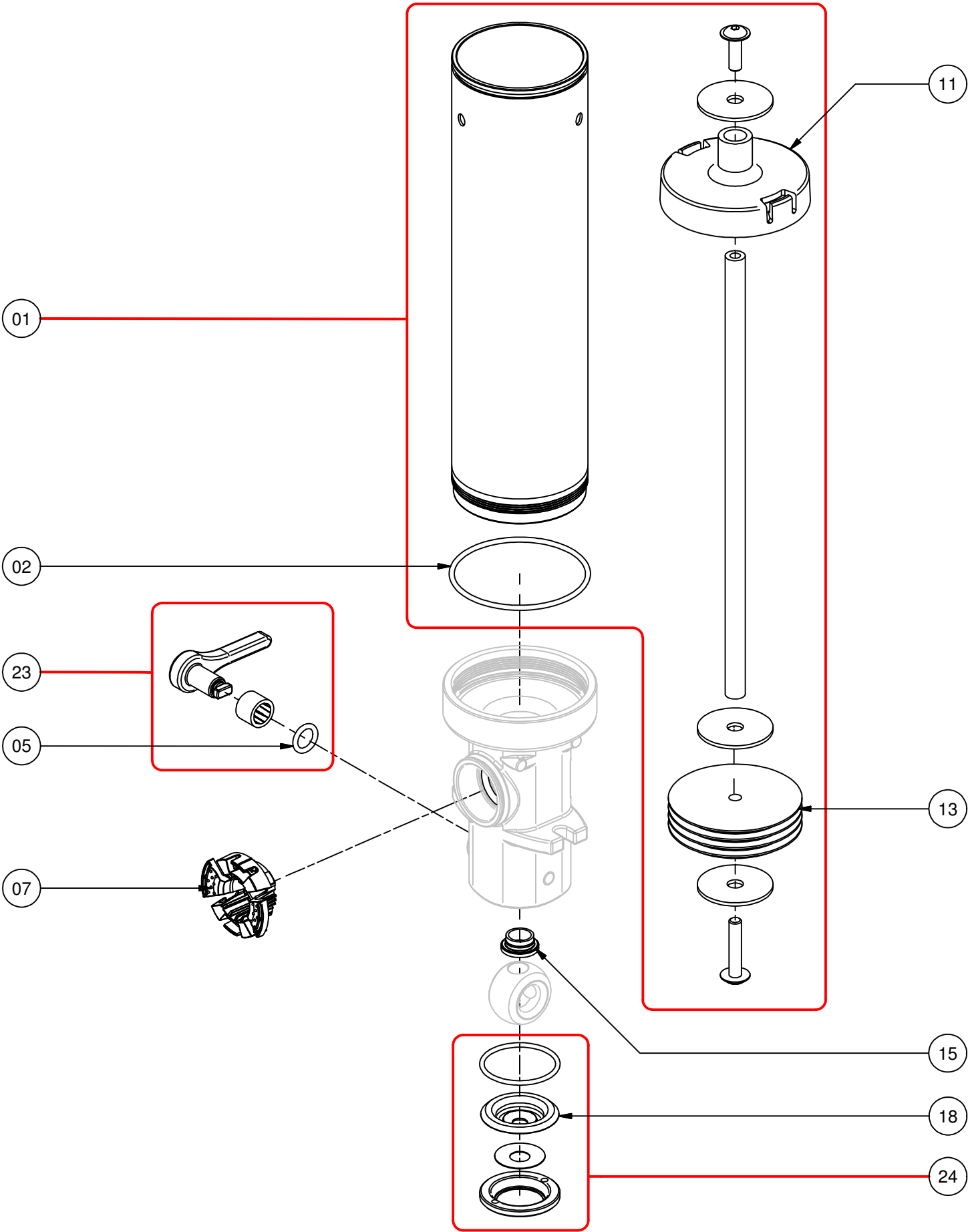
6963 5oz RVS Ballvalve. 1863712



6963 5oz RVS Ballvalve. 1863712

Spareparts List			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1813419-SP	tube,ballvalve,5-oz,complete	
02	1863714-SP	O-ring,38x2,viton,5oz,10pcs	
05	1863649-SP	O-ring,8,5x2,lever,ballv,10pcs	
06	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
07	1817841-SP	Clip,pump,canister,HA,5pcs	
11	1863759-SP	cap,tube,5-oz,5pcs	
14	1810933-SP	Piston,teflon,5oz,4seals,10pcs	
16	1813371-SP	Topseal,1/2/5oz (set 25 pcs)	
17	1813535-SP	ball,medium,ballvalve,5pcs	
19	1810997-SP	Seal,ball-valve (set 50pcs)	
23	1810556-SP	Arm,assy,ballvalve	
24	1863527-SP	Ballvalve,Disk 5pcs + gloves + 1 tool	
24	1863528-SP	Ballvalve,Disk 5pcs	
24	1863528X-SP	Ballvalve,Disk 100pcs	

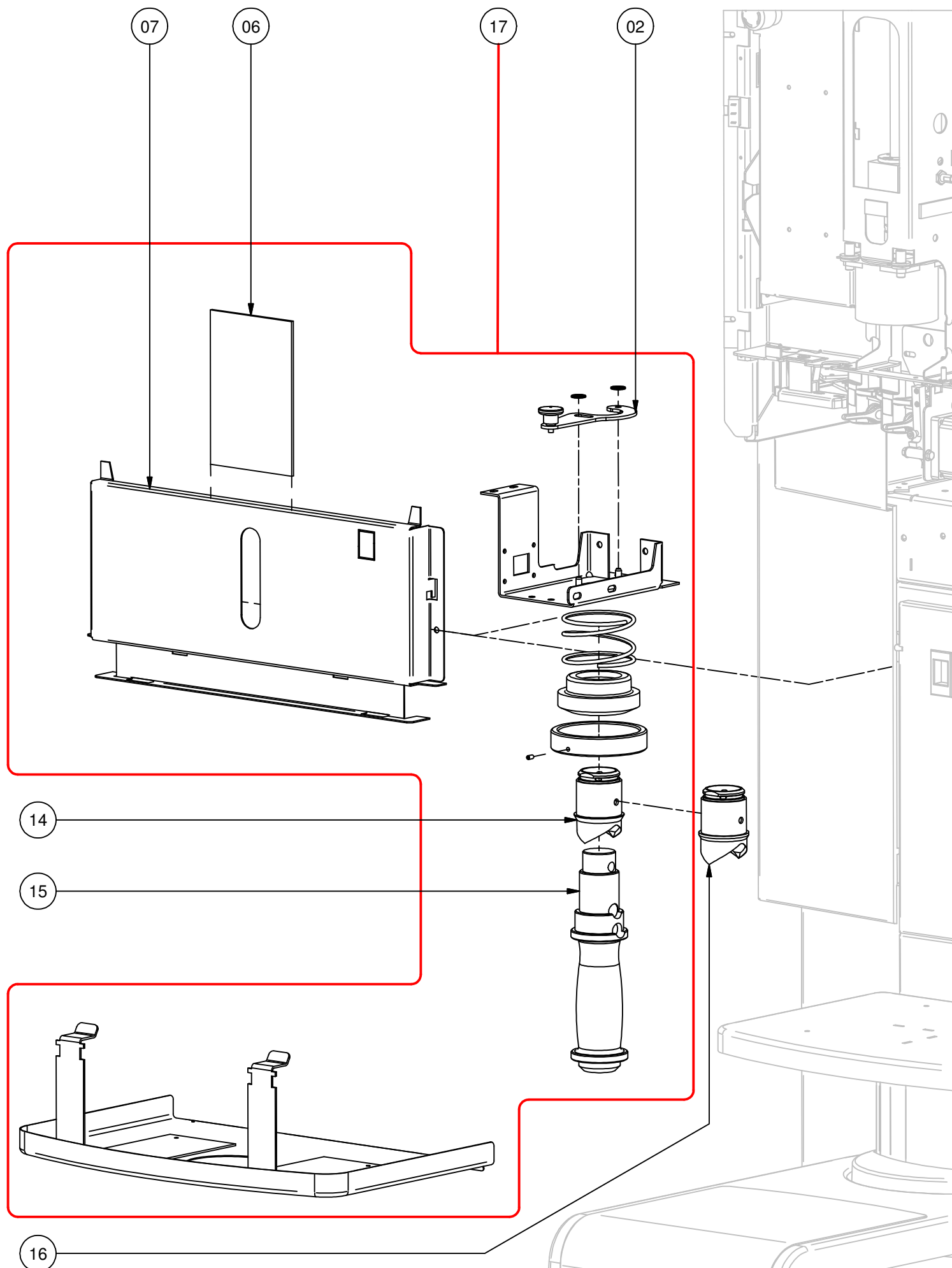
6964 10oz RVS Ballvalve. 1863713



6964 10oz RVS Ballvalve. 1863713

Spareparts List			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
01	1813326-SP	tube,ballvalve,10-oz,complete	
02	1863653-SP	O-ring,52x2,viton,tube,10-oz, 10pcs	
05	1863649-SP	O-ring,8,5x2,lever,ballv,10pcs	
06	1362230-SP	O-ring,viton,15.88x2.62,10pcs	
07	1817841-SP	Clip,pump,canister,HA,5pcs	
11	1863710-SP	cap,tube,10-oz, 5pcs	
13	1813322-SP	Piston,teflon,10oz,4seals,10pcs	
15	1813268-SP	Topseal,10-oz (set 25pcs)	
18	1810997-SP	Seal,ball-valve (set 50pcs)	
23	1810556-SP	Arm,assy,ballvalve	
24	1863527-SP	Ballvalve,Disk 5pcs + gloves + 1 tool	
24	1863528-SP	Ballvalve,Disk 5pcs	
24	1863528X-SP	Ballvalve,Disk 100pcs	

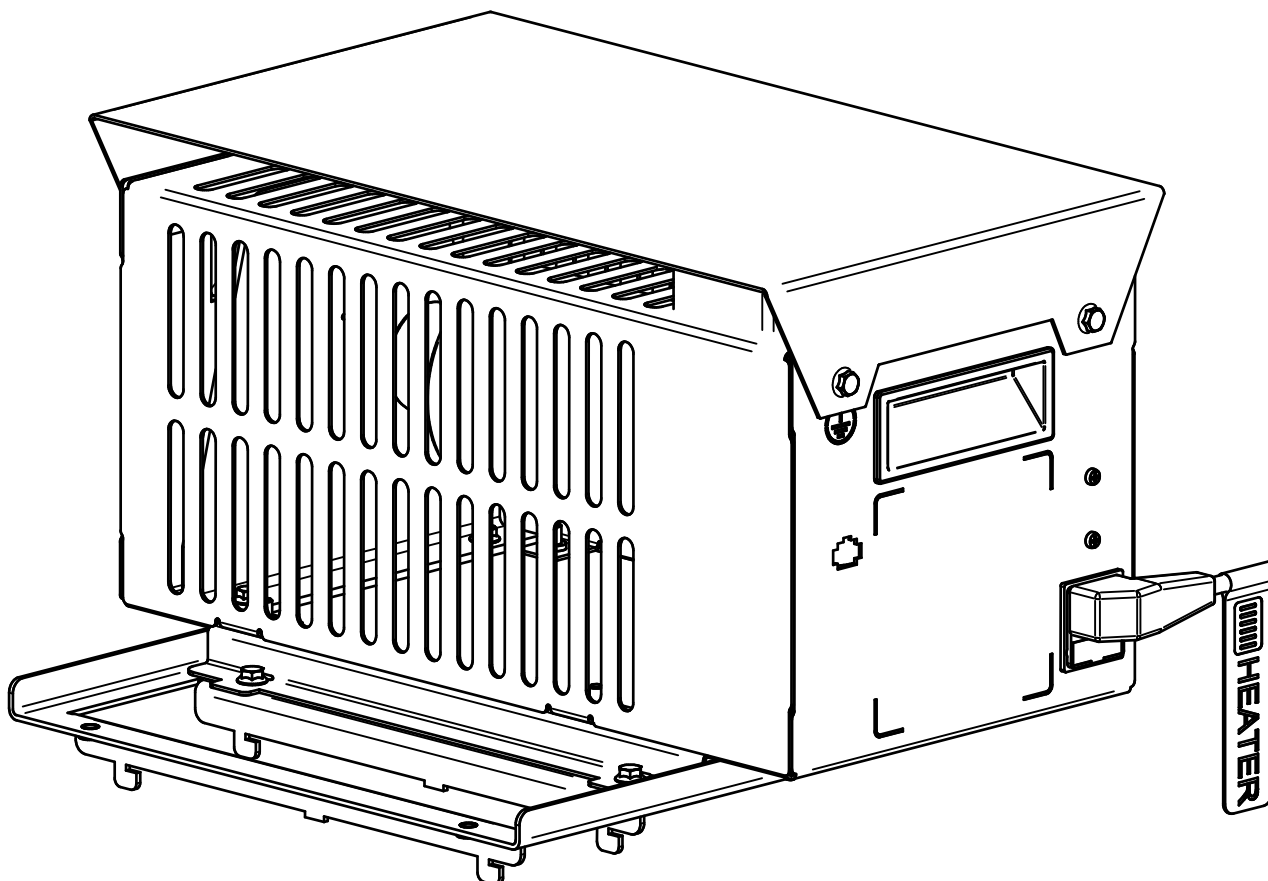
6971 Punch (option)



6971 Punch (option)

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
02	1815366-SP	Plate,lock,punch,HAX50	
06	1864374-SP	Glass,cansensor,110x163x3	
07	1814534-SP	panel,front,up,multisens	
14	1814896-SP	Blade,punch,46mm,HA450,2pcs	
15	1817197-SP	tool,punch,HA,HP	
16	1814898-SP	Blade,punch,48mm,2pcs	
17	1814024-SP	Electric Punch HA450, complete	

6972 Heating set (option 1865765)

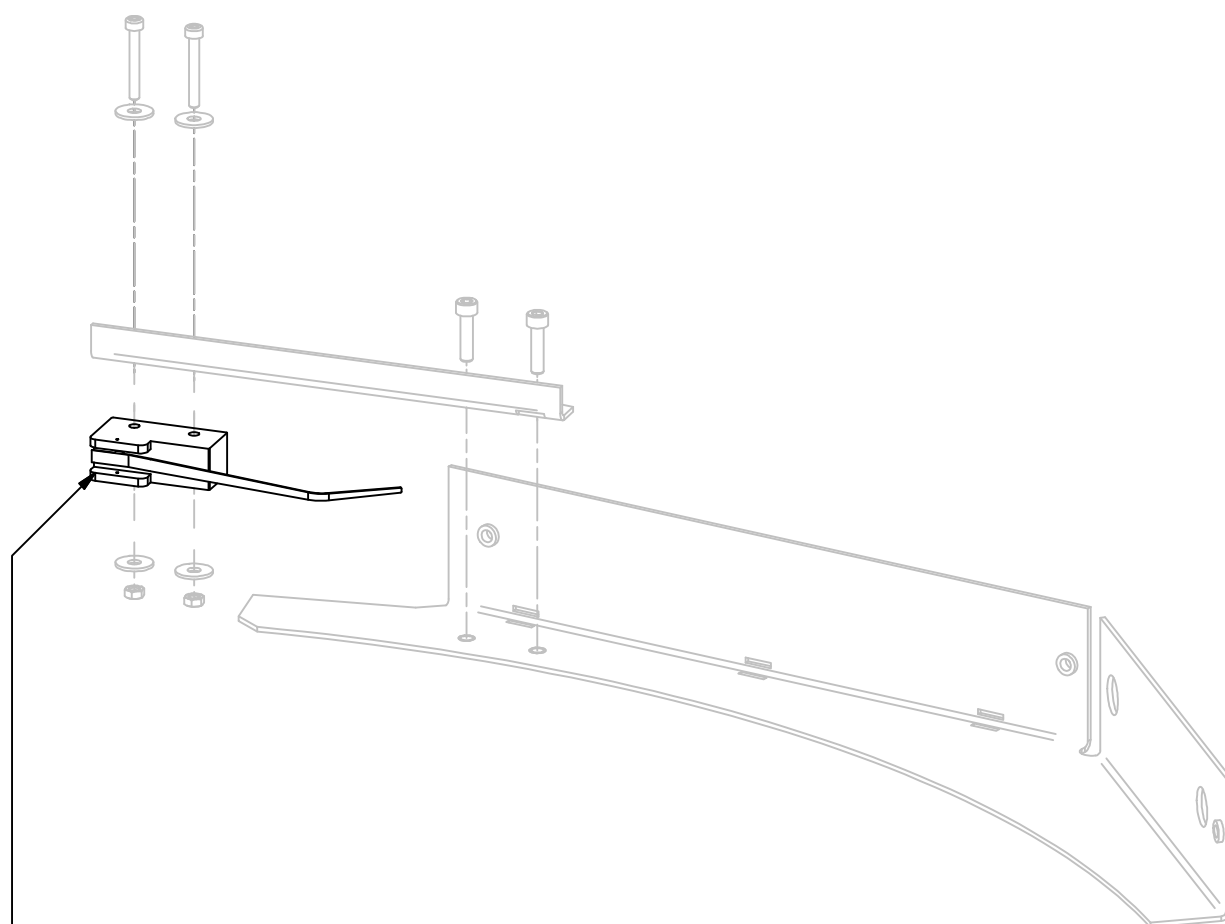


6972 Heating set (option 1865765)

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
12	1819274-SP	Heating module	

6975-A Pistondetector

Up to W43,2010 S.N.871237



06

6975-A Pistondetector

Up to W43,2010 S.N.871237

SPAREPARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
06	1815318-SP	Switch, OMRON Z-15HW24-B	

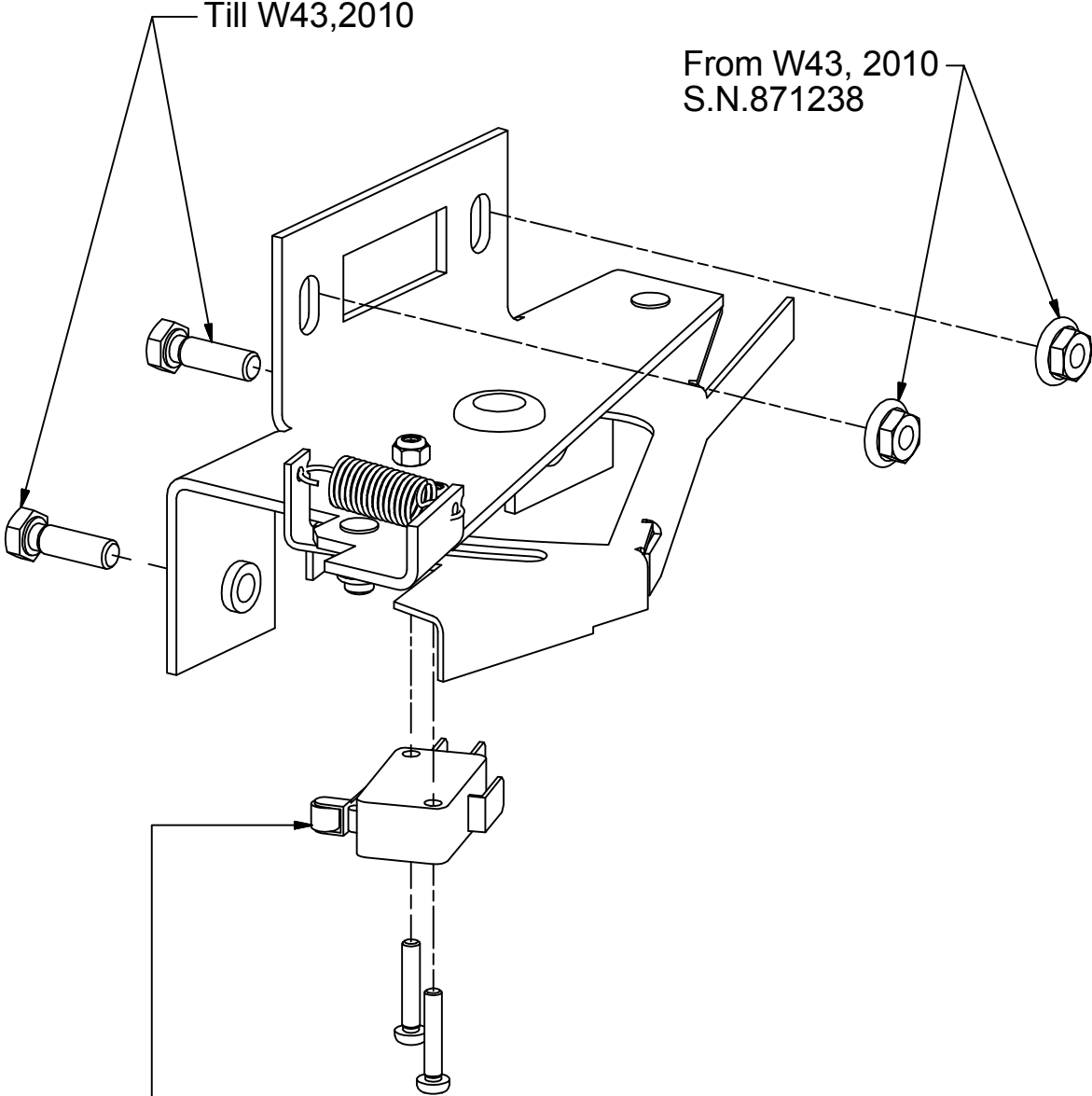
6975-B Pistondetector.

From W43,2010 S.N.871238

12

Till W43,2010

From W43, 2010
S.N.871238



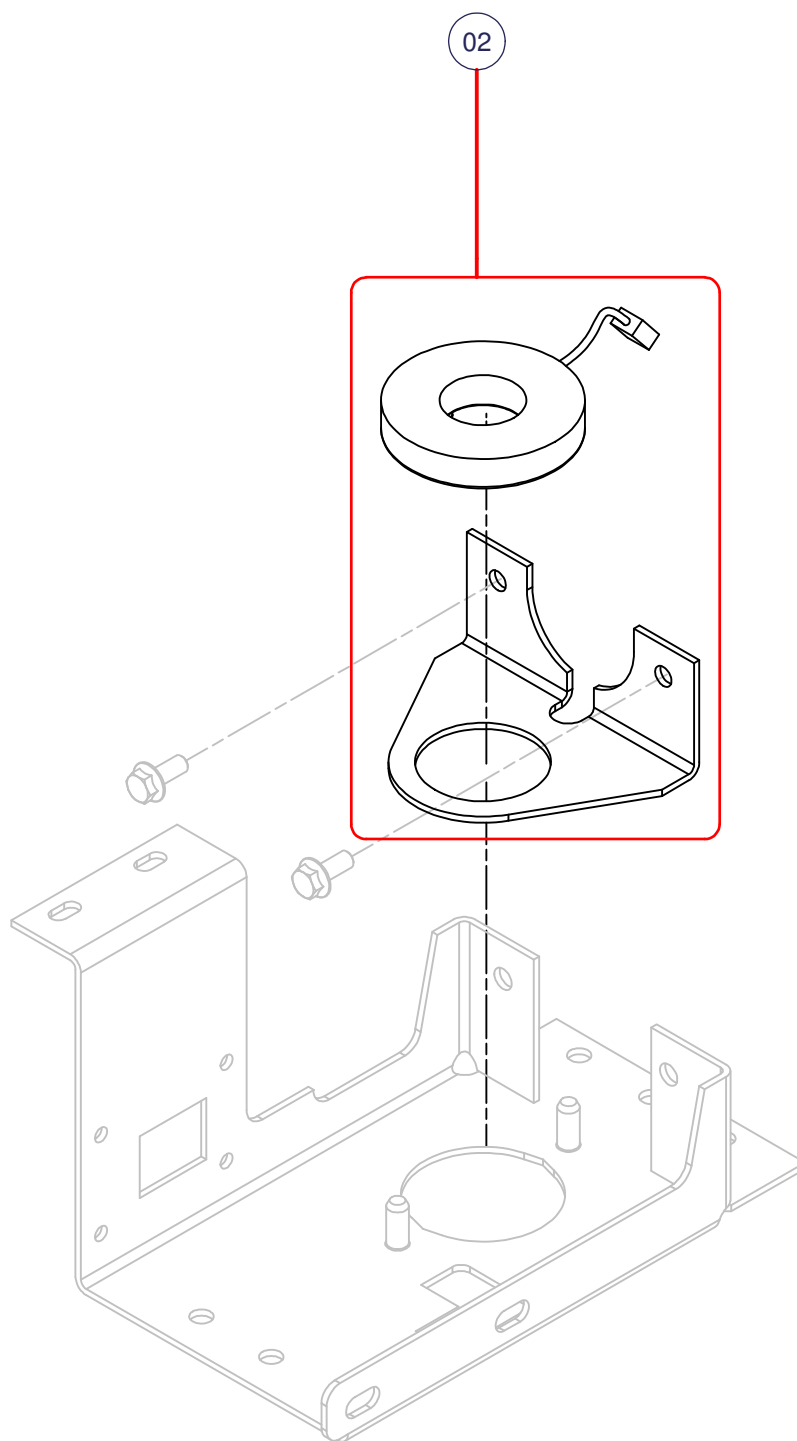
04

6975-B Pistondetector.

From W43,2010 S.N.871238

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
04	1862616-SP	Switch,micro,V-165-1C5	
12	1864594-SP	Pistondetector	

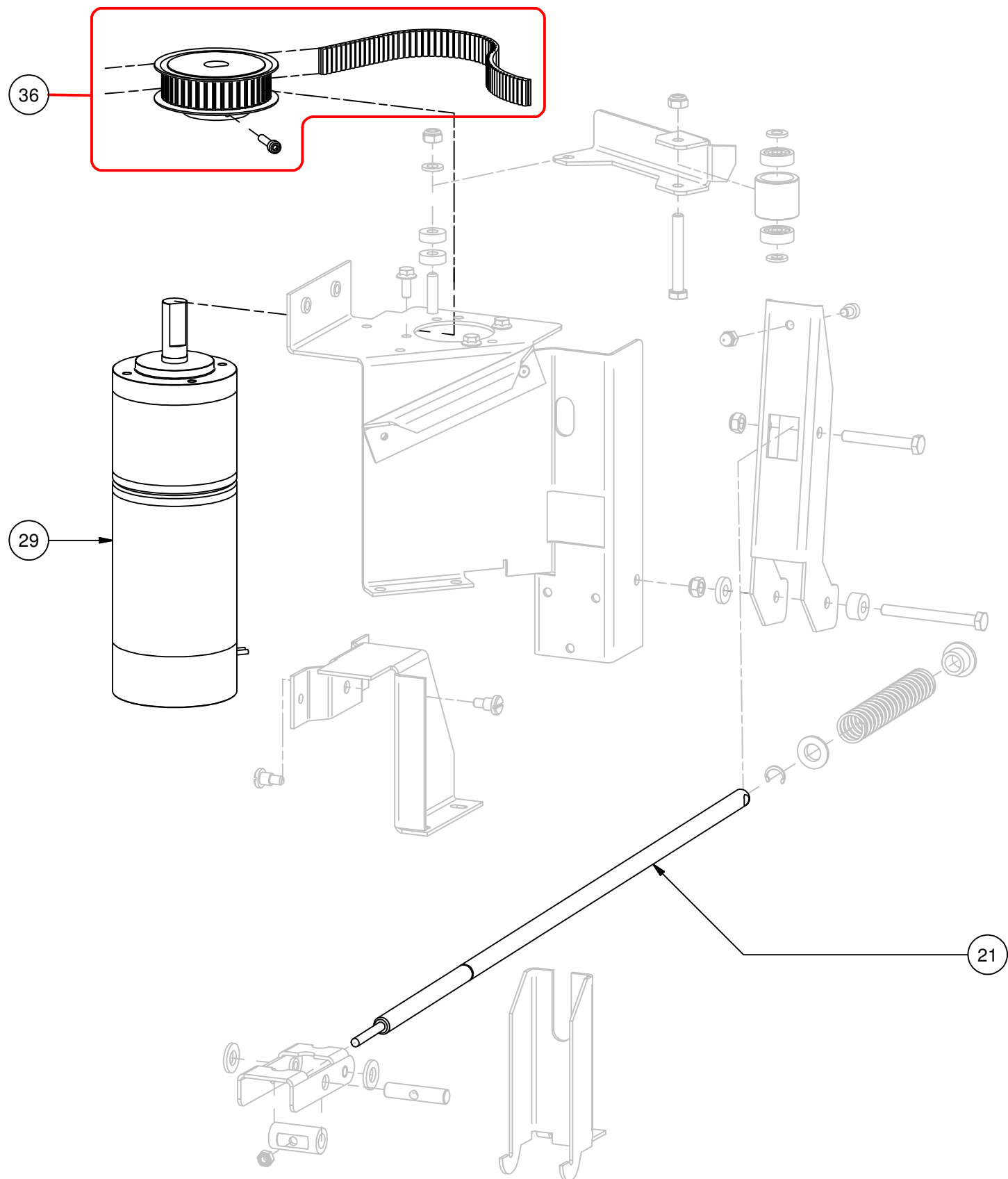
6977 Can position indicator (option)



6977 Can position indicator (option)

SPAREPARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
02	1864262-SP	LED,canpos	

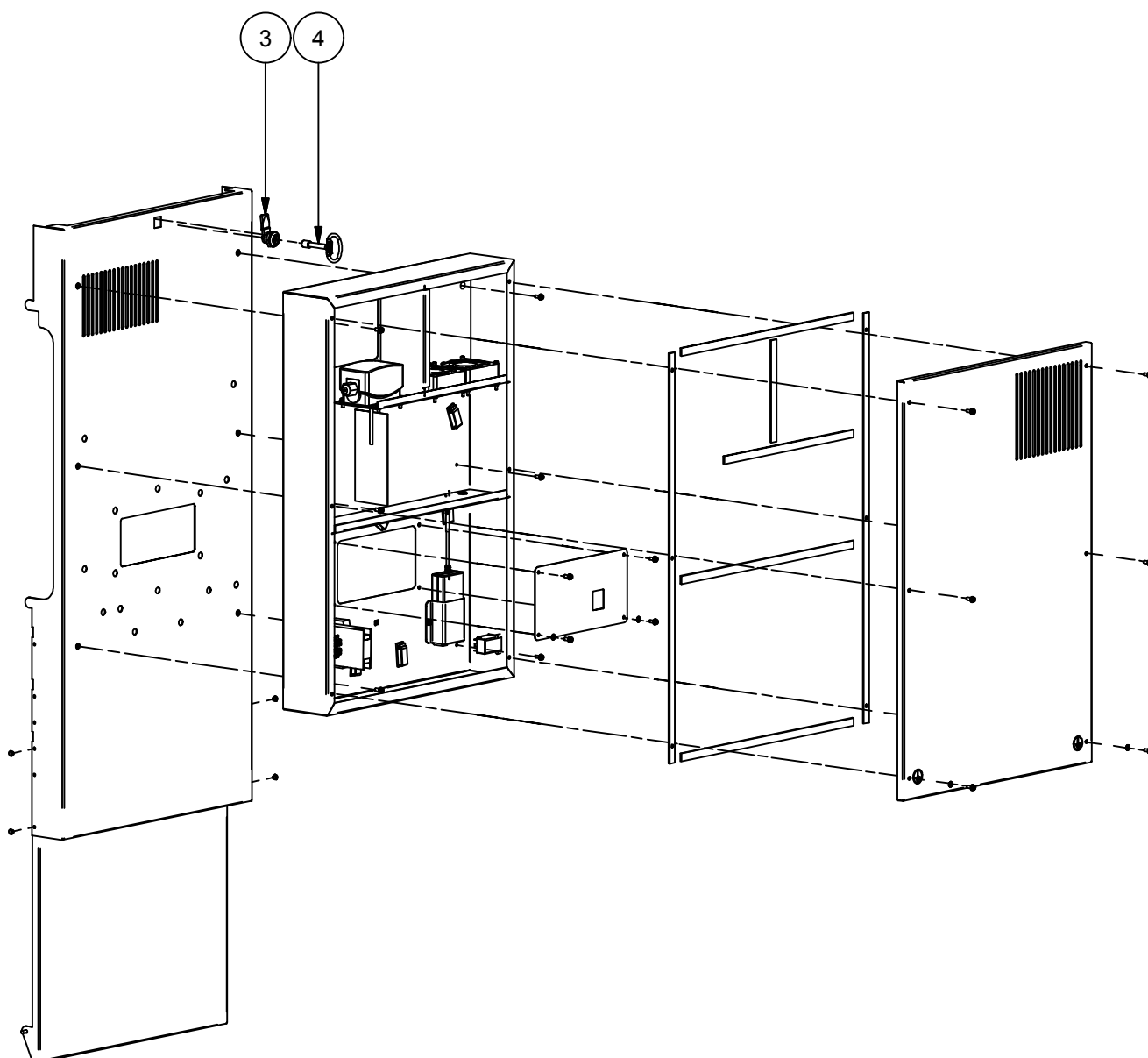
6980 Spanner mechanism (option)



6980 Spanner mechanism (option)

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARK
03	1860380-SP	Belt,timing+pulley,HA-M,set	
21	1815928-SP	rod, spanner	
29	1814849-SP	High speed motor,HA450	
36	1860384-SP	Belt,timing+HS-pulley,HA,set	

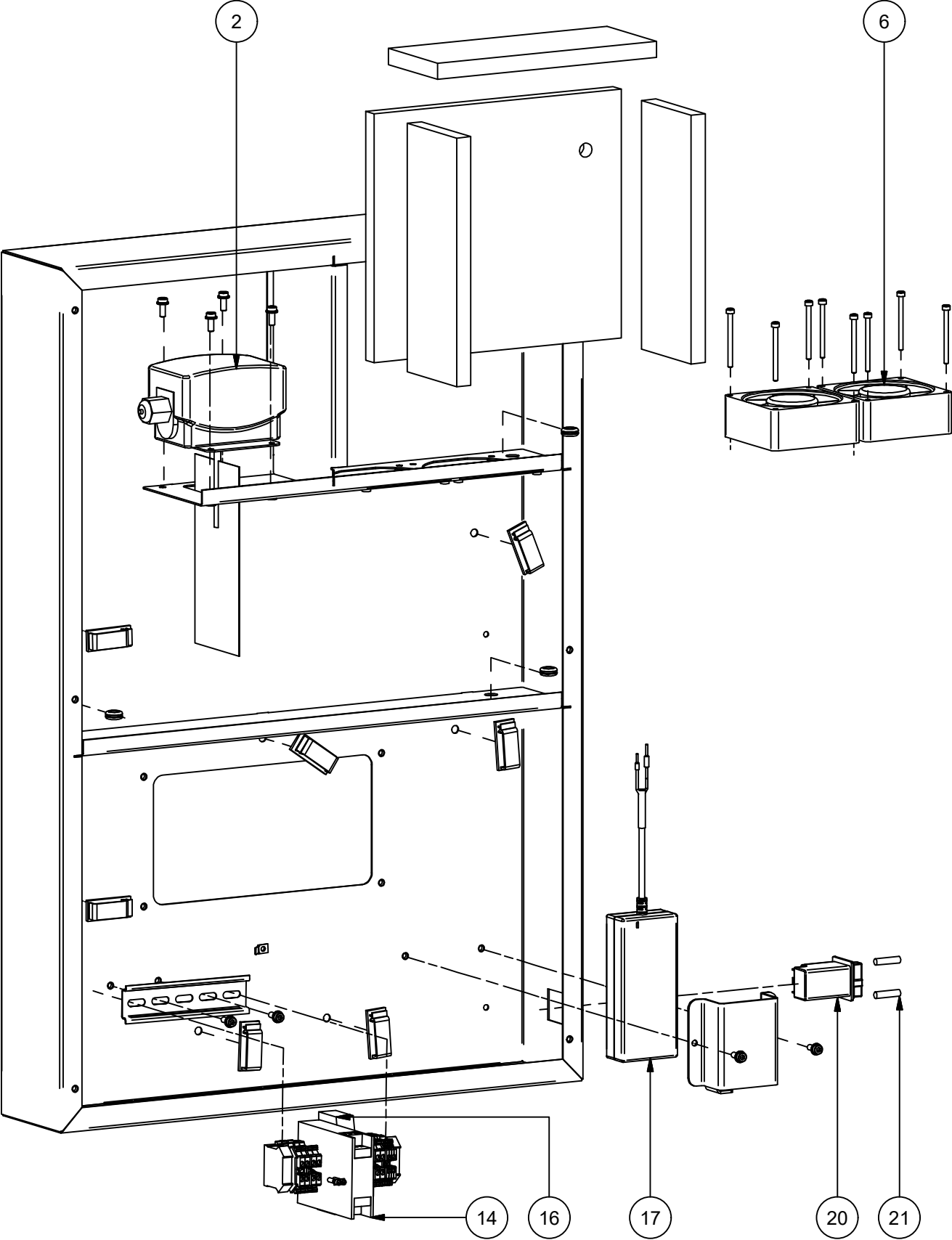
6981 Ventilated back cover



6981 Ventilated back cover

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
3	1862860-SP	Quad,panel,latche	
4	1111010-SP	Key,triangle	

6982 Ventilated back cover box



6982 Ventilated back cover box

PARTS LIST			
ITEM	SPARE PART NUMBER	DESCRIPTION	REMARKS
6	1818972-SP	Fan	
10	1865681-SP	End clamp,ENS35N,DIN rail	
11	1870223-SP	terminal,endplate,UK5-Ex	
14	1818970-SP	Switching module,EXL-IRU-1	
16	1819065-SP	on-delay timing relay	
17	1862749-SP	Powersupply,assy,TM300/HA150	
20	1818326-SP	Netentry with filter	
21	1860745-SP	Fuse,3.15A,T,250V	