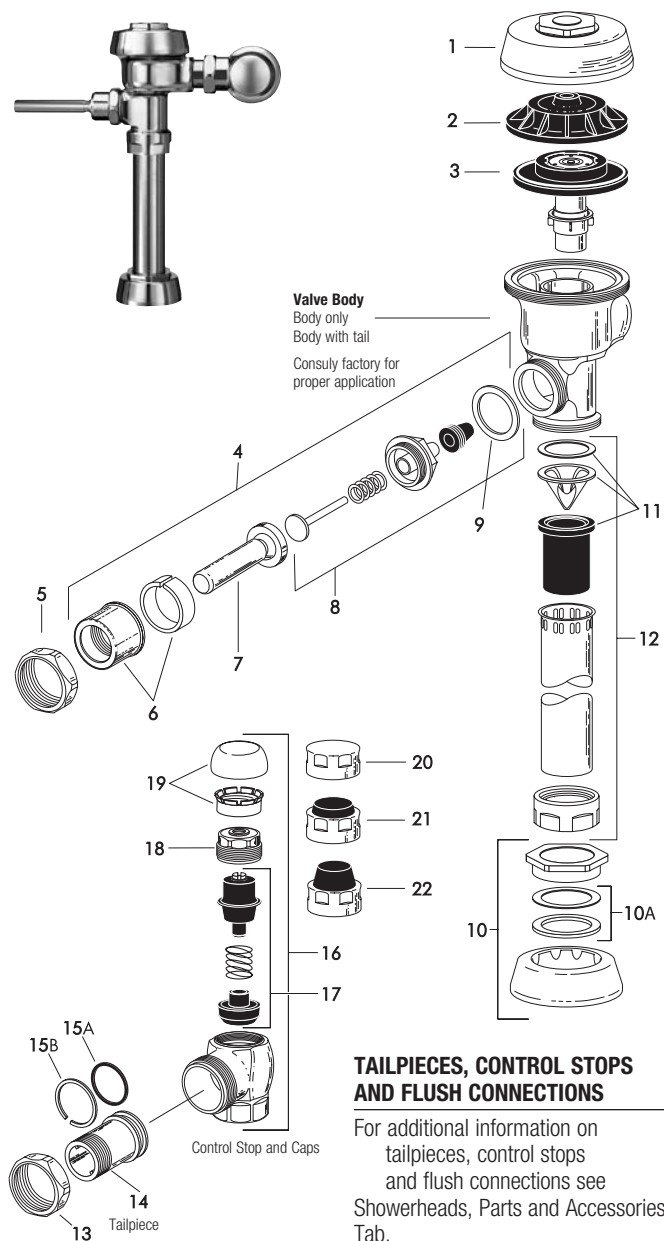


Royal® Flushometer



ITEM 10A. SLIP JOINT GASKETS AND RINGS

Size	Code No.	Part No.	Description
1-1/2"	5306058	F-3	Red Friction Ring
	5322001	VBF-5	Black Slip Joint Gasket
	0319086/5319086	S-30	Flexible Seat
	0319079	S-21	Rigid Seat (rubber over brass)
1-1/2" x 1-1/4"	0396062	F-105	Slip Joint Gasket – Rigid
1-1/4"	5306057	F-3	Red Friction Ring
	5322176	VBF-5	Black Slip Joint Gasket
	0307052/5307052	G-21	Rigid Seat (rubber over brass)
1"	5306056	F-3	Red Friction Ring
	5306115	F-5	Black Slip Joint Gasket
3/4"	5306055	F-3	Red Friction Ring
	5306113	F-5	Black Slip Joint Gasket

* See pages 102-103 for additional lengths

† For use with 1" and 3/4" H-700-A and 1" H-600-A Bak-Chek® screwdriver control stop

‡ For use with 3/4" H-600-A Bak-Chek® screwdriver control stop

RW for use with Reclaimed Water Flushometers

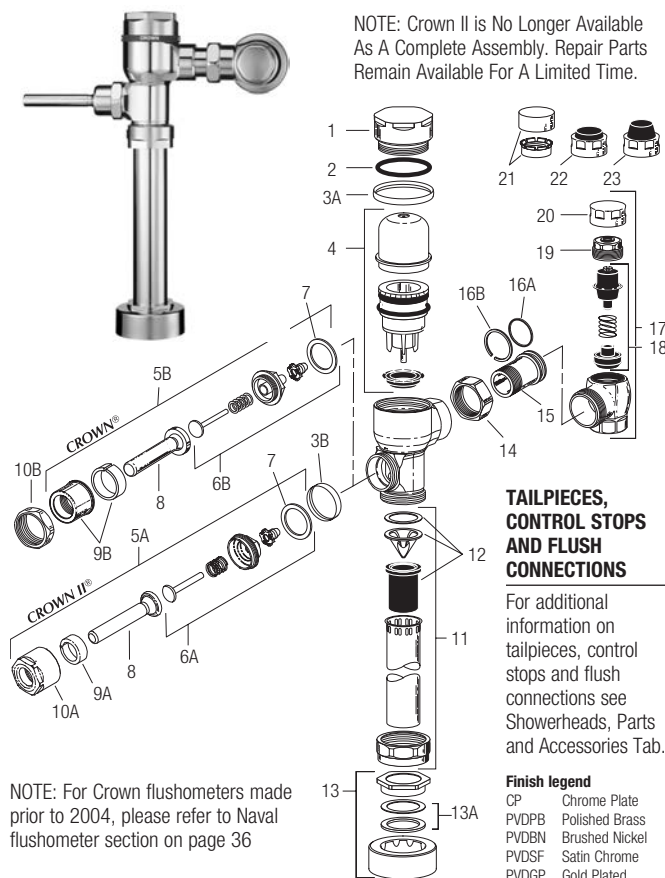
Sloan products are also available in satin, brushed nickel, chrome, gold and polished brass finishes – contact factory for part numbers.

PARTS LIST

Item No.	Code No.	Part No.	Description
1.	0301172PKA-72		CP Cover
	0301435PKA-72-HE		CP High Efficiency Cover
	0301168	A-71	Inside Cover
2.	0301336	A-71-1	Inside Cover (Purple)
	—		Dual-Filtered Bypass Diaphragm Assembly (refer to table and diagram on following page)
4.	0302390	B-73-A	CP ADA-Compliant Triple Seal Handle Assembly
	0302267	B-73-A-PH	CP ADA-Compliant Triple Seal Handle Assembly
5.	0301082	A-6	CP Handle Coupling
6.	0302109	B-7-A	CP Socket Assembly
7.	0302389	B-74-A	CP ADA-Compliant Handle
	0302264	B-74-A-PH	CP ADA-Compliant Handle (Purple Handle)
8.	3302306	B-51-A	Triple Seal Handle Repair Kit
9.	5301139	A-31	Handle Gasket – 48 per package
10.	0306125	F-5-AW	3/4" (19 mm) CP Spud Coupling Assembly
	0306140	F-5-AU	1-1/4" (32 mm) CP Spud Coupling Assembly
	0306146	F-5-AT	1-1/2" (38 mm) CP Spud Coupling Assembly
10A. SEE SLIP JOINT GASKETS AND RINGS TABLE BELOW LEFT			
11.	3323182	V-651-A	High Back Pressure Vacuum Breaker Repair Kit
12.	3393004	V-600-AA	3/4" (19 mm) x 9" (228 mm) CP Vacuum Breaker
	3393006	V-600-AA	1-1/4" (32 mm) x 9" (228 mm) CP Vacuum Breaker
	3393007	V-600-AA	1-1/2" (38 mm) x 9" (228 mm) CP Vacuum Breaker
13.	0308676	H-550	CP Stop Coupling
14.	0308801	H-551-A	CP Adjustable Tailpiece 2-1/16" (52 mm long) Standard Length*
15A.	5308696	H-553	O-ring – 24 per package
15B.	5308381	H-552	Locking Ring – 12 per package
16.	3308386	H-700-A	1" (25 mm) CP Bak-Chek® Screwdriver Stop
	0388141	H-700-A-RW	1" (25 mm) CP Bak-Chek® Screwdriver Stop
	3308384	H-700-A	3/4" (19 mm) CP Bak-Chek® Screwdriver Stop
	0388142	H-700-A-RW	3/4" (19 mm) CP Bak-Chek® Screwdriver Stop
17.	3308853	H-541-ASD	Control Stop Repair Kit †
	3308856	H-543-ASD	Control Stop Repair Kit †
18.	0308612	H-622	CP Bonnet †
	0308892	H-608-RW	CP Bonnet †
	0308843	H-577	CP Bonnet † – DISCONTINUED
19.	3308772	H-1010-A	Vandal Resistant Control Stop Cap Assembly †
	3308790	H-1009-A	Vandal Resistant Control Stop Cap Assembly † H-600 3/4" Stop only
20.	0308738	H-573	Control Stop Cap CP †
	0308848	H-582	Control Stop Cap CP †
21.	3308866	H-574	Control Stop Cap with Bumper † (–YO Variation)
22.	3308867	H-576	Control Stop Cap with Extended Bumper † (–YG Variation)
23.	3388015	H-1015	Flow Control Kit (not Shown) (HEU Only)
24.	3308735	H-634-AA-RW	1" (25 mm) Sweat Solder Kit w/ Cast Set Screw Purple Flange (not shown)
	3308736	H-636-AA-RW	3/4" (19 mm) Sweat Solder Kit w/ Cast Set Screw Flange (not shown)
	3308785	H-636-AA	1" (25 mm) Sweat Solder Kit w/ Cast Set Screw Purple Flange (not shown)
	3308788	H-636-AA	3/4" (19 mm) Sweat Solder Kit w/ Cast Set Screw Flange (not shown)

Crown® Flushometer

Crown® II (Obsolete)



PARTS LIST

Item No.	Code No.	Part No.	Description
1.	0332006	CR-116	CP Cover
2.	0332030	CR-133	Cover O-ring
3.	0332045	CR-132-A	CP Handle and Cover Trim Ring Kit (Includes items 3A & 3B) (CROWN® II ONLY)
	0332046	CR-132-A	PVDPB Handle and Cover Trim Ring Kit (Includes items 3A & 3B) (CROWN® II ONLY)
	0332048	CR-132-A	PVDBN Handle and Cover Trim Ring Kit (Includes items 3A & 3B) (CROWN® II ONLY)
	0332049	CR-132-A	PVDSF Handle and Cover Trim Ring Kit (Includes items 3A & 3B) (CROWN® II ONLY)
3A.	0332035	CR-134	Cover Trim Ring (CROWN® ONLY)
	0332009	CR-120	PVDPB Cover Trim Ring (CROWN® II ONLY)
	0332032	CR-120	PVDGP Cover Trim Ring (CROWN® II ONLY)
	0332033	CR-120	PVDBN Cover Trim Ring (CROWN® II ONLY)
	0332034	CR-120	PVDSF Cover Trim Ring (CROWN® II ONLY)
3B.	0332005	CR-113	PVDPB Handle Trim Ring (CROWN® II ONLY)
	0332028	CR-113	PVDBN Handle Trim Ring (CROWN® II ONLY)
	0332029	CR-113	PVDSF Handle Trim Ring (CROWN® II ONLY)
4.	3332003	CR-1004-A	Piston Kit – 1.6 gpf (6.0 Lpf) Water Closet
	3332013	CR-1011-A	Piston Kit – 1.28 gpf (4.8 Lpf) Water Closet
	3332004	CR-1005-A	Piston Kit – 1.0 gpf (3.8 Lpf) Urinal
	3332005	CR-1006-A	Piston Kit – 0.5 gpf (1.9 Lpf) Urinal
	3332017	CR-1015-A	Piston Kit – 0.25 gpf (1.0 Lpf) Urinal
	3332016	CR-1014-A	Piston Kit – 0.125 gpf (0.5 Lpf) Urinal

ALL PISTON KITS INCLUDE MAIN SEAT (see item 4 table to right) AND CR-124-A INSIDE COVER ASSEMBLY AS SHOWN IN ITEM 4. PISTON KIT COMPONENTS TABLE TO THE RIGHT.

Item No.	Code No.	Part No.	Description
5A.	0302353	B-30-A	ADA-Compliant Handle Assembly CP
5B.	0302390	B-73-A	ADA-Compliant Handle Assembly CP
6A.	3332006	CR-1007	Handle Repair Kit
6B.	3302306	B-51-A	Handle Repair Kit
7.	5301139	A-31	Handle Gasket – 48/pkg
8.	0302389	B-74-A	Handle Grip Sub-Assembly ADA
9A.	0302309	B-56	Sleeve
9B.	0302109	B-7-A	CP Socket Assembly
10A.	0302354	B-53	Handle Socket
10B.	0301082	A-6	CP Handle Coupling
11.	3393004	V-600-AA	3/4" x 9" (19 x 229 mm) Vacuum Breaker - 6/pkg
	3393006	V-600-AA	1-1/4" x 9" (32 x 229 mm) Vacuum Breaker - 6/pkg
	3393007	V-600-AA	1-1/2" x 9" (38 x 229 mm) Vacuum Breaker - 6/pkg
12.	3323182	V-651-A	High Back Pressure Vacuum Breaker Repair Kit
13.	3332000	CR-1008-A	3/4" (19 mm) Spud Coupling Assembly
	3332001	CR-1009-A	1-1/4" (32 mm) Spud Coupling Assembly
	3332002	CR-1010-A	1-1/2" (38 mm) Spud Coupling Assembly
13A.	SEE SLIP JOINT GASKETS AND RINGS TABLE ON BOTTOM, PAGE 25		
14.	0308676	H-550	Stop Coupling
15.	0308801	H-551-A	Adjustable Tailpiece (2-1/16" (52 mm) long)
16A.	5308696	H-553	O-ring – 24/pkg
16B.	5308381	H-552	Locking Ring – 12/pkg
17.	0388000	H-700-A	1" Screwdriver Bak-Chek® Stop CP
	0388001	H-700-A	3/4" Screwdriver Bak-Chek® Stop CP
18.	3308853	H-541-ASD	Control Stop Repair Kit†
	3308856	H-543-ASD	Control Stop Repair Kit† for 3/4" Stops H-600, H-640
19.	0308612	H-622	CP Bonnet †
	0308843	H-577	CP Bonnet † – OBsolete
20.	3308840	H-573-A	Locking Vandal Resistant Control Stop Cap includes H-573 Stop Cap CP and H-648 Friction Ring †
	0308848	H-582	Locking Vandal Resistant Control Stop Cap CP †
21.	3308651	H-651	Vandal Resistant Control Stop Cap Assembly †
22.	3308866	H-574	Control Stop Cap w/Bumper (-YO Variation) †
23.	3308867	H-576	Control Stop Cap w/Extended Bumper (-YG Variation)†
24.	3388017	H-1017	Flow Control (HEU Only) (Not Shown)
—	0305190	EL-190-A	Handle Adapter (manual only) for Optima® version

† For use w/H-700-A 1" & 3/4" and H-600-A 1" Screwdriver Bak-Chek® Control Stops.

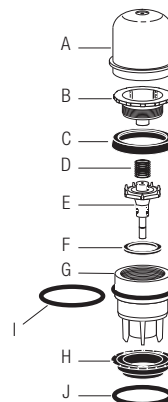
‡ For use w/H-600-A 3/4" Screwdriver Bak-Chek® Control Stops.

ITEM 4. PISTON KIT COMPONENTS

Item	Code No.	Part No.	Description
A.	***	CR-124-A	Inside Cover Sub-Assembly
B.	***	***	Piston Cover
C.	5332095	CR-68-A	Molded Cup – 12/pkg
D.	5328019	SH-406	Spring – 12/pkg
E.	***	***	Relief Valve
F.	0307116	G-95	Relief Valve Seat
G.	***	***	Piston Body
H.	***	CR-125-A	Main Seat – 6/pkg (1.0 gpf)
	***	CR-170-A	Main Seat – 6/pkg (0.125 gpf, 0.25 gpf and 0.5 gpf)
I.	0307210	G-85	Filter O-ring
J.	0332124	CR-169	O-ring (for use with CR-125-A main seat ONLY)*
	5308958	H-589	O-ring* 6/pkg

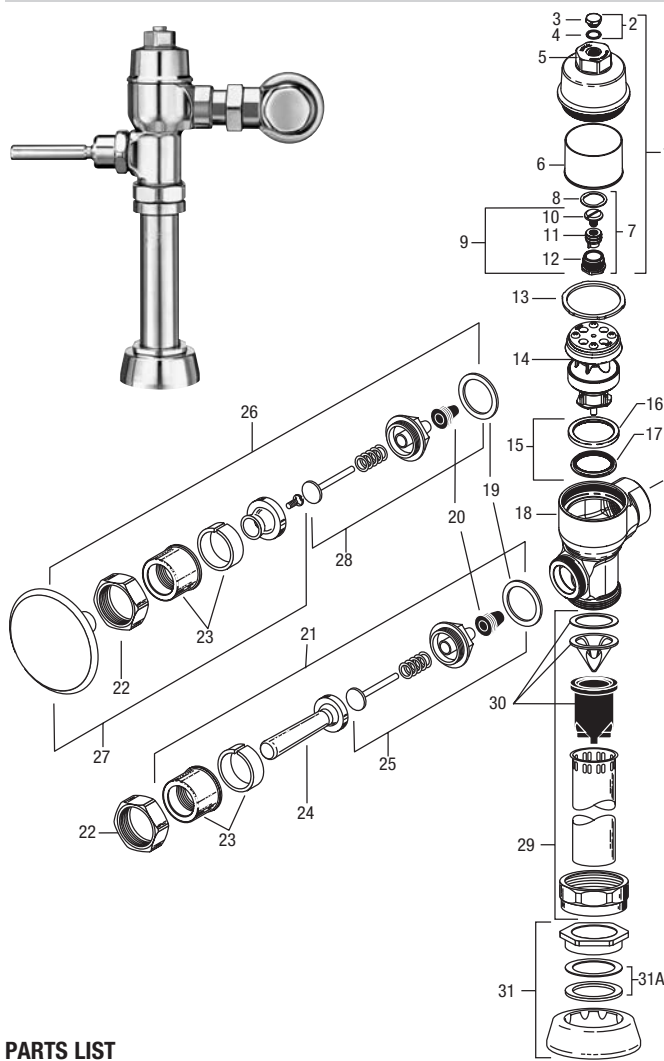
* Components are NOT interchangeable

*** Indicates component is NOT available separately



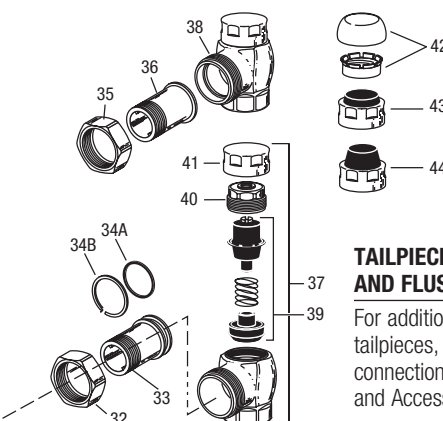
Naval® Flushometer

Also for use with Crown® (Old style),
Star and Marine



PARTS LIST

Item No.	Code No.	Part No.	Description
1.	0314229	CN-86-A	Cover Assembly CP
	0314310	CN-89-A	Cover Assembly CP One Pint* 1.6 gpf/6.0 Lpf, 1.0 gpf/3.8 Lpf
2.	5314010	CN-1007-A	Cap Screw Repair Kit – 6 per package
3.	0314208	CN-36	Cover Screw CP
4.	0314209	CN-30	Cover Screw Gasket
5.	0314304	CN-84	Cover
6.	0214019	CN-55	Cover Liner
7.	3314015	CN-1008-A	Regulating Screw Repair Kit**
8.	0314303	CN-81	Volume Adjustment Gasket
9.	0314315	CN-88-A	Low Consumption Volume Adjustment Sleeve Sub-Assembly 1.6 gpf/6.0 Lpf, 1.0 gpf/3.8 Lpf
10.	0314302	CN-80	Volume Adjustment Screw
11.	0314300	CN-78	Volume Adjustment Sleeve
	0314307	CN-87	Volume Adjustment Sleeve One Pint***
12.	0314301	CN-79	Volume Adjustment Housing
13.	5314243	CN-76	Cover Gasket – 12 per package
14.	0314016	CN-1002-A	Piston – Closet
	0314017	CN-1003-A	Piston – Urinal
15.	0314234	CN-21-A	Main Seat Assembly
16.	0314224	CN-111-A	Main Seat
17.	0314220	CN-113	Main Seat Ring
18.	0314020	CN-3	Body CP (Not sold separately)
19.	5301139	A-31	Handle Gasket – 48 per package



TAILPIECES, CONTROL STOPS AND FLUSH CONNECTIONS

For additional information on tailpieces, control stops and flush connections see Showerheads, Parts and Accessories Tab.

Item No.	Code No.	Part No.	Description
20.	5302297	B-39	Handle Seal – 12 per package
21.	0302390	B-73-A	Triple Seal Handicap Handle Assembly (ADA Compliant)
22.	0301082	A-6	Handle Coupling CP
23.	0302109	B-7-A	Socket Assembly CP
24.	0302389	B-74-A	Handicap Handle Grip CP (ADA Compliant)
25.	3302306	B-51-A	Triple Seal Handle Repair Kit – 1 per package
26.	0303351	C-42-A	3" Push Button Assembly CP
27.	3303347	C-1000-A	3" Push Button Replacement Kit
28.	3303396	C-64-A	3" Push Button Repair Kit
29.	5323005	V-500-AA	3/4" x 9" Vacuum Breaker
	5323006	V-500-AA	1-1/4" x 9" Vacuum Breaker
	5323007	V-500-AA	1-1/2" x 9" Vacuum Breaker
30.	3323192	V-551-A	Vacuum Breaker Repair Kit
31.	0306125	F-5-AW	3/4" Spud Coupling CP
	0306140	F-5-AU	1-1/4" Spud Coupling CP
	0306146	F-5-AT	1-1/2" Spud Coupling CP
31A.	SEE SLIP JOINT GASKETS AND RINGS TABLE ON BOTTOM, PAGE 30		
32.	0308676	H-550	Stop Coupling CP
33.	0314289	NH-551-A	Adjustable Tailpiece 2-1/16" CP
34A.	5308696	H-553	O-ring – 24 per package
34B.	5308381	H-552	Locking ring – 12 per package
35.	0308063	H-6	Ground Joint Stop Coupling CP
36.	0314028	NH-5	Ground Joint Tailpiece 1-5/8"
37.	0388022	H-710-A	1" Adjustable Tailpiece SD Bak-Chek® Control Stop CP
	0388025	H-710-A	3/4" Adjustable Tailpiece SD Bak-Chek® Control Stop CP
38.	0388024	H-710-AG	1" Ground Joint Screwdriver Bak-Chek® Control Stop CP
	0388026	H-710-AG	3/4" Ground Joint Screwdriver Bak-Chek® Control Stop CP
39.	3308853	H-541-A	Control Stop Repair Kit †
	3308856	H-543-A	Control Stop Repair Kit †
40.	0308612	H-622	Bonnet CP †
	0308843	H-577	Bonnet CP † – OBSOLETE
41.	0308840	H-573	Control Stop Cap CP †
	0308848	H-582	Control Stop Cap CP †
42.	3308772	H-1010-A	Vandal Resistant Stop Cap Assembly †
	3308790	H-1009-A	Vandal Resistant Stop Cap Assembly †
43.	3308866	H-574	Control Stop Cap with Bumper †
44.	3308867	H-576	Control Stop Cap with Extended Bumper†

* Use CN-89-A Cover Assembly One-Pint for reduced flush volumes 1.6 gpf/6.0 Lpf, 1.0 gpf/3.8 Lpf

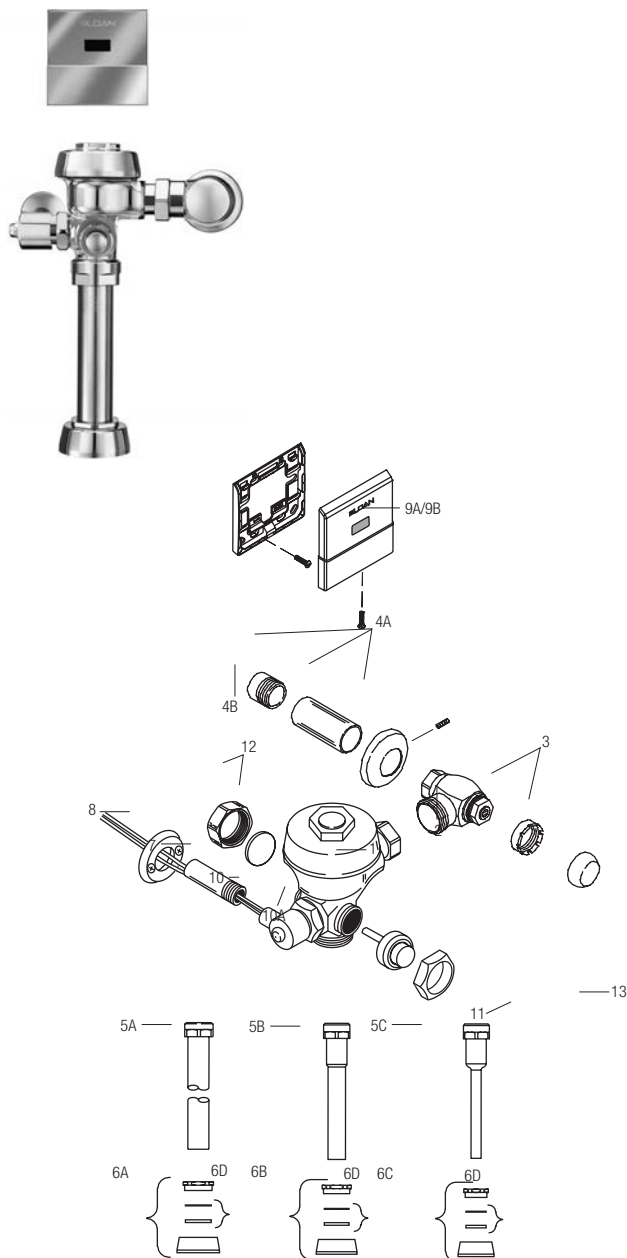
** CN-1008-A Regulating Screw Repair Kit contains the parts shown plus the parts for old style adjusting screw as currently shown on the repair guide (CN-24, CN-25, CN-26, CN-61)

*** Use CN-87 Volume Adjustment Sleeve One-Pint for reduced flush volumes

† For use with 1" and 3/4" H-740-A-CP (less cap) and 1" H-540-A-CP (w/H-37 cap) Bak-Chek® screwdriver control stops

‡ For use with 3/4" H-740-A-CP Bak-Chek® screwdriver control stops

Optima® Royal® ES-S TMO Exposed Flushometers



ROYAL® OPTIMA® ES-S TMO EXPOSED FLUSHOMETER PARTS LIST

Item No.	Code No.	Part No.	Description
1.	‡		Solenoid Activated Valve Assembly
2.	‡	H-700-A	Bak-Chek® Control Stop
3.	3308772	H-1010-A	Vandal Resistant Stop Cap
4A.	3308782	H-633-AA	1" (25 mm) Sweat Solder Kit
4B.	3308603	H-532	Adapter, 1" NPT to 1" Tube
	3308607	H-535.	Adapter, 3/4" NPT to 3/4" Tube
5A.	—	V-600-AA	1-1/2" (38 mm) Vacuum Breaker Assembly CP (Models 110/111, 115, and 116)
5B.	—	V-600-AA	1-1/4" (32 mm) x 9" (229 mm) Vacuum Breaker Assembly CP (Model 180 ES-S)
5C.	—	V-600-AA	3/4" (19 mm) x 9" (229 mm) Vacuum Breaker Assembly CP (Model 186 ES-S)
6A.	0306146	F-5-AT	1-1/2" (38 mm) Spud Coupling Assembly CP (Models 110/111, 115, and 116)
6B.	0306140	F-5-AU	1-1/4" (32 mm) Spud Coupling Assembly CP (Model 180)
6C.	0306125	F-5-AW	3/4" (19 mm) Spud Coupling Assembly CP (Model 186)
6D.	SEE SLIP JOINT GASKETS AND RINGS ON TABLE BELOW		
7.	‡	F-15	Tail Assembly
8.	0302323PK	B-110-A	Flange Assembly
9A.	3305107	EL-635-A	CP Cover Plate with Sensor (Mounting Plate and Screws included) (Models 110/111, 115, and 116)
9B.	3305101	EL-645-A	CP Cover Plate with Sensor (Mounting Plate and Screws included) (Models 180 and 186)
10.	0305329	EL-124-2	CP 24V Solenoid Assembly Only
10A	3305043	EL-128-A	Actuator Cartridge Assembly Only
	3305045	EL-1028-A	Solenoid Assembly w/ Cartridge Assembly
11.	0303009	C-2-A	True Mechanical Override Button
12.	3325814	EBV-1017-A	CP Valve Handle Cap
13.	0301082PK	A-6	CP Nut
—	3345080	EL-1026-A	ES-S to ES-S-TMO Conversion Kit Exposed includes Body/Tail assembly (no inside parts or covers) #11, #12, #13, DO-22 and EL-110 o-rings
—	3305043	EL-128-A	Actuator Cartridge
14.	3302306	B-51-A	Triple Seal Handle Repair Kit
15.	3345080	EL-126-A	ESS to TMO Retrofit Conversion Kit (Exposed*)
	3388015	H-1015-A	Flow Control Kit (HEU Only (not Shown))

‡ Part number varies with valve model variation; consult factory.

* Not shown

ITEM 6D. SLIP JOINT GASKETS AND RINGS

Size	Code No.	Part No.	Description
1-1/2"	5306058	F-3	Red Friction Ring
	5322001	VBF-5	Black Slip Joint Gasket
	0319086/5319086	S-30	Flexible Seat
	0319079	S-21	Rigid Seat (rubber over brass)
1-1/2" x 1-1/4"	0396062	F-105	Slip Joint Gasket – Rigid
1-1/4"	5306057	F-3	Red Friction Ring
	5322176	VBF-5	Black Slip Joint Gasket
	0307052/5307052	G-21	Rigid Seat (rubber over brass)
1"	5306056	F-3	Red Friction Ring
	5306115	F-5	Black Slip Joint Gasket
3/4"	5306055	F-3	Red Friction Ring
	5306113	F-5	Black Slip Joint Gasket