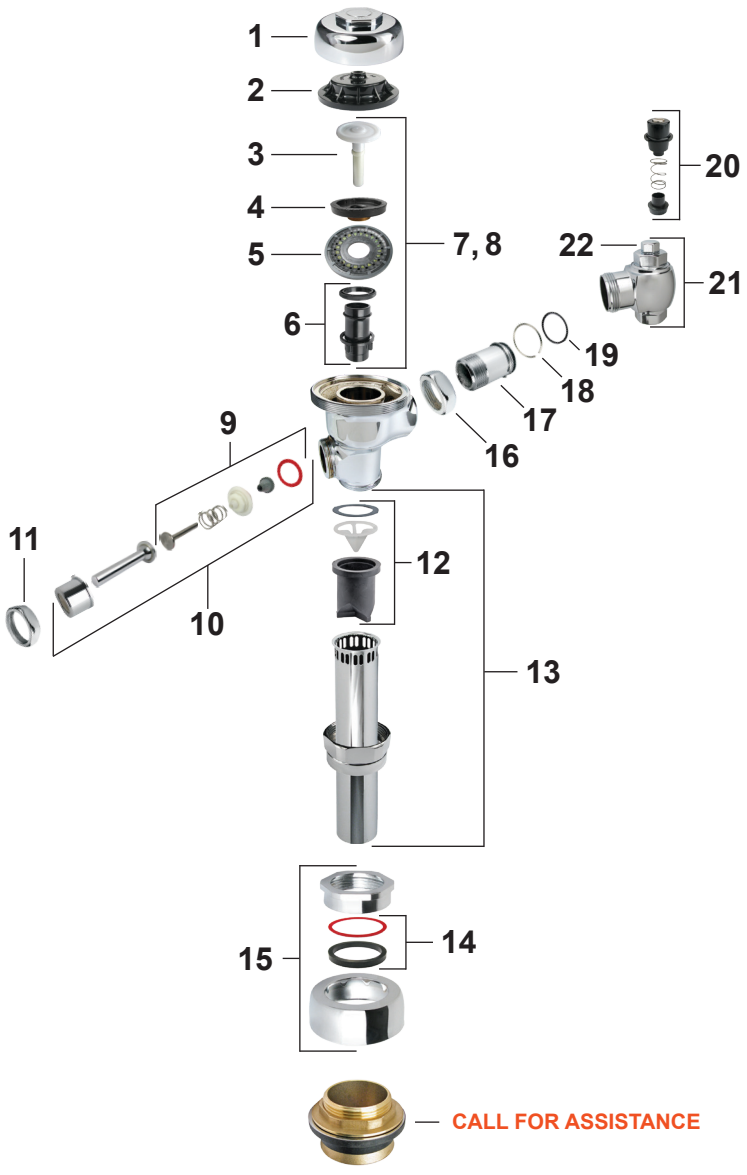
SLOAN REGAL

COMPETITIVE STYLE



1	**#08083**	R10	C.P. Cover
2	**#08050**	A71	Inside Cover
3	**#08004**	A19AC	Closet R. Valve(White)
	#08005	A19AU	Urinal R. Valve(Black)
	#08345	A19ALC	Closet/Urinal R. Valve(Green)
4	**#08003**	A15A	Molded Disc
5	**#08002**	A156A	Diaphragm
6		**ADJUSTABLE GUIDES**	
	#08006	A163A	Standard Guide
	#08252	A152A	For 3.5 GPF Closet
	#08348	A151A	For 1.6 GPF Closet
	#08349	A155A	For 1.0 GPF Urinal
7	**#08000**	A38A	3.5 Closet Water Saver Kit
	#08114	A41A	1.6 Closet Low Consumption
8	**#08001**	A37A	Urinal Retro Kit - 1.5 GPF
	#08115	A42A	Urinal Retro Kit - 1.0 GPF
9	**#08007**	B50A	Handle Repair Kit *(Plastic)*
10	**#08008**	B32A	C.P. Handle Assy.
	#08069	B73A	A.D.A. Handle Assy.
11	**#08054**	A6	C.P. Handle Nut
12	**#08012**	V551A	V/B Repair Kit
13		**CHROME PLATED VACUUM BREAKERS**	
	#08014	V500AA	1-1/2" x 9" Closet
	#08015	V500AA	1-1/4" x 9" Urinal
	#08016	V500AA	3/4" x 9" Urinal
14	**#08020**		1-1/2" Gasket Kit
	#08021		1-1/4" Gasket Kit
	#08022		3/4" Gasket Kit
15	**#08142**	F56A	1-1/2" Coupling Assy
	#08143	F55A	1-1/4" Coupling Assy
	#08144	F54A	3/4" Coupling Assy
16	**#08040**	H550	Tailpiece Coupling Nut
17	**#08039**	H551A	Adj. Tailpiece 2-1/16" *(Other Lengths Available)*
18	**#08038**	H552	Locking Ring
19	**#08037**	H553	"O" Ring
20	**#08033**	H543ASD	3/4" Control Stop Repair Kit
	#08032	H541ASD	Control Stop Repair Kit For 3/4" or 1"
21	**#08471**	H790A	1" Screwdriver Stop
	#08469	H790A	3/4" Screwdriver Stop
22	**#80793**	H1012A	C. P. Cover

SLOAN REGAL

TROUBLESHOOTING AND MAINTAINING THE REGAL FLUSH VALVE

1 PROBLEM: ***VALVE CLOSES OFF IMMEDIATELY***

CAUSE:
- **A)** Ruptured or damaged diaphragm.
- **B)** Enlarged by-pass orifice from corrosion or damage.

SOLUTION: **A&B)** Install new diaphragm or inside parts kit to correct above problems and update flushometer.

2 PROBLEM: ***LEAKING AT HANDLE ASSEMBLY***

CAUSE:
- **A)** Handle seal may have deteriorated.
- **B)** Handle gasket has been omitted.
- **C)** Valve is old style and handle packing is worn.

SOLUTION:
- **A)** Install new seal or handle repair kit. **NOTE:** The handle seal will easily slide right onto the bushing if it is wet.
- **B)** Install handle gasket.
- **C)** Install handle repair kit.

3 PROBLEM: ***LENGTH OF FLUSH TOO SHORT***

CAUSE:
- **A)** Diaphragm assembly and guide assembly are not hand tight.
- **B)** Enlarged by-pass orifice from corrosion or damage.
- **C)** Black urinal relief valve in closet flushometer.
- **D)** Low consumption kit installed in non-low consumption fixture.
- **E)** Handle assembly is worn.

SOLUTION:
- **A)** Screw the two assemblies hand tight.
- **B)** Install diaphragm or inside parts kit.
- **C)** Install proper white closet relief valve.
- **D)** Replace with proper inside parts kit .
- **E)** Install handle repair kit.

4 PROBLEM: ***LENGTH OF FLUSH TOO LONG OR FAILS TO CLOSE OFF***

CAUSE:
- **A)** Relief valve is not seating properly or by-pass orifice is clogged because of foreign material, or by-pass orifice is closed by an invisible gelatinous film from “overtreated" water.
- **B)** Line pressure has dropped and is not sufficient to force relief valve to seat.
- **C)** White closet relief valve has been used in a urinal valve.
- **D)** Inside cover is cracked or damaged.

SOLUTION:
- **A)** Disassemble the working parts and wash thoroughly. **NOTE:** Size of the orifice in the by-pass is of utmost importance in the proper metering of water into the upper chamber of the valve. Do not enlarge or damage this orifice. Replace inside kit if cleansing does not correct problem.
- **B)** Shut off all control stops until pressure has been restored, then open them again.
- **C)** Replace with black urinal relief valve.
- **D)** Replace the inside cover.

CALL FOR TECHNICAL ASSISTANCE!

5 PROBLEM: ***INSUFFICIENT VOLUME OF WATER TO ADEQUATELY SIPHON FIXTURE***

CAUSE:
- **A)** Control stop not open enough.
- **B)** Urinal valve parts inside a closet valve.
- **C)** Low consumption valve installed on a non-low consumption valve fixture.
- **D)** Water saver kit installed in old, non-water saver bowl.
- **E)** Inadequate volume or pressure at supply.

SOLUTION:
- **A)** Adjust control stop for desired delivery of water.
- **B)** Replace inside urinal parts with proper closet valve parts from EQUIPARTS.
- **C)** Replace with proper inside parts kit.
- **D)** Position refill head on guide so that side 1 is in up position.
- **E)** If no gauges are available to properly measure supply pressure or volume of water at the valve, then remove the relief valve from the inside parts kit, reassemble the valve, and open the control stop.

  If the fixture siphons, more water volume is required. If a 3.5 GPF inside parts kit is installed in the valve, then first flip the refill head (under the diaphragm) to obtain a 4.5 GPF volume. If this volume is still inadequate, remove the flow ring from the guide to obtain a 6.5 GPF volume. If additional flow is still required, try a low pressure guide kit.

  If fixture does not siphon or if a low consumption fixture is installed, or if the above steps do not prove satisfactory, steps must be taken to increase the pressure and/or supply.

6 PROBLEM: ***LEAKING AT TOP OF VACUUM BREAKER***

CAUSE:
- **A)** Rubber vacuum breaker boot or gasket has deteriorated.

SOLUTION:
- **A)** Install new vacuum breaker repair kit.

7 PROBLEM: ***LEAKING AT BOTTOM OF VACUUM BREAKER TUBE OR AROUND COUPLING***

CAUSE:
- **A)** Coupling gaskets have deteriorated.
- **B)** Spud washer and/or spud have deteriorated.

SOLUTION:
- **A)** Install proper new coupling gasket kit.
- **B)** Install proper new spud washer and/or complete new spud assembly.

8 PROBLEM: ***LEAKING BETWEEN VALVE AND CONTROL STOP***

CAUSE: “O" ring and/or locking ring have deteriorated.

SOLUTION: Replace “O" ring and locking ring simultaneously.

9 PROBLEM: ***CHATTERING NOISE IN FLUSHOMETER***

CAUSE:
- **A)** Diaphragm has been installed upside down.
- **B)** Inside cover has become distorted from wear, freezing or abuse.

SOLUTION:
- **A)** Replace the segment diaphragm to the proper position as instructed by markings on the diaphragm.
- **B)** Replace inside cover.