

210060



TECK II
Concealed
Flushometer

83T _____ - _____ **series**

Write purchase model number here for future reference

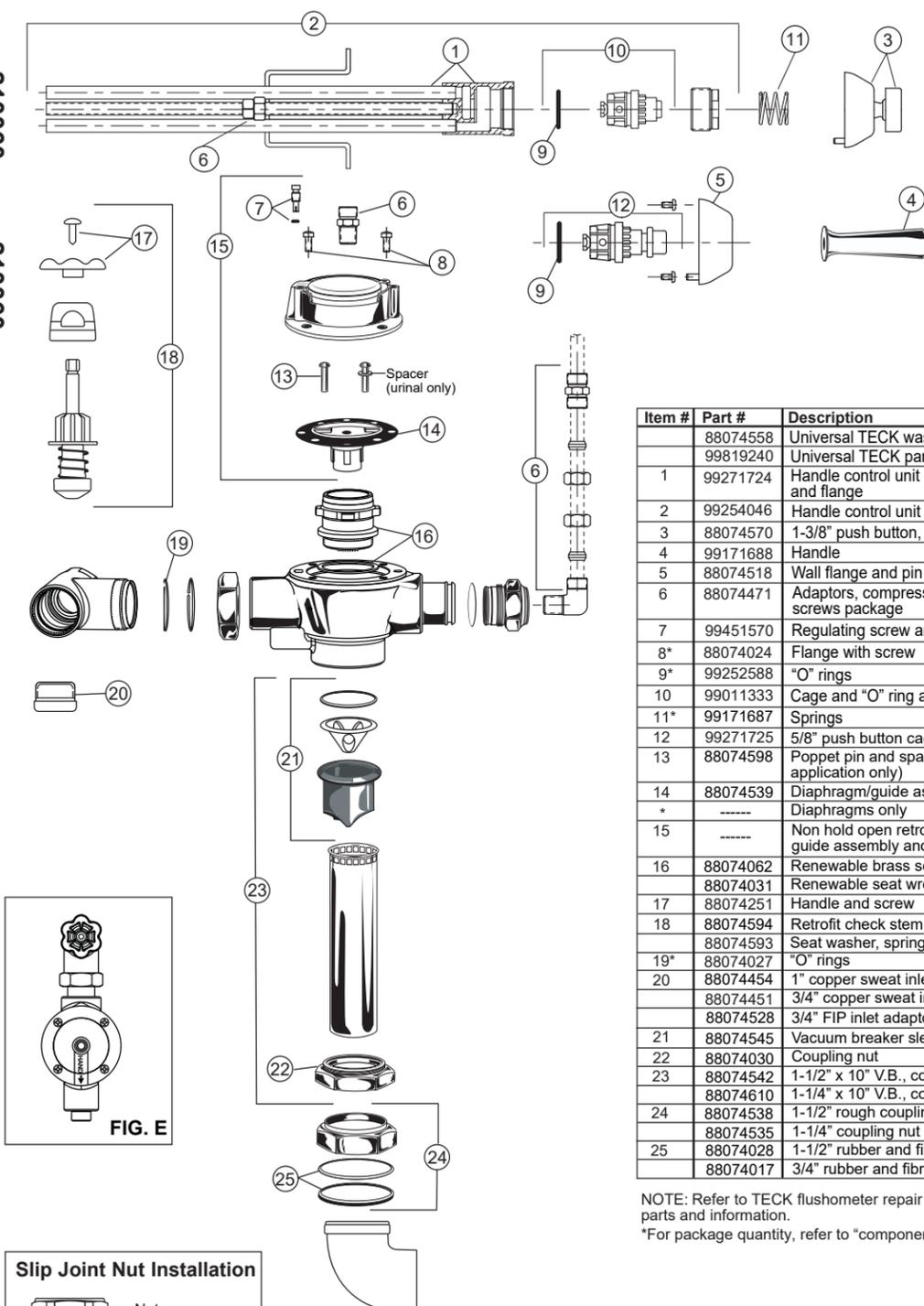
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Item #	Part #	Description
	88074558	Universal TECK washers and O-rings repair kit
	99819240	Universal TECK parts washers and O-rings repair kit
1	99271724	Handle control unit complete with 5/8" diameter push button and flange
2	99254046	Handle control unit complete less flange, handle and spring
3	88074570	1-3/8" push button, flange and pin assembly
4	99171688	Handle
5	88074518	Wall flange and pin
6	88074471	Adaptors, compression L nuts and sleeves, locknuts and flange screws package
7	99451570	Regulating screw and "O" ring
8*	88074024	Flange with screw
9*	99252588	"O" rings
10	99011333	Cage and "O" ring assembly
11*	99171687	Springs
12	99271725	5/8" push button cage assembly
13	88074598	Poppet pin and spacer package (Note: spacer used for urinal application only)
14	88074539	Diaphragm/guide assembly complete
*	-----	Diaphragms only
15	-----	Non hold open retrofit complete (includes cast cap, diaphragm/guide assembly and piston)
16	88074062	Renewable brass seat and fibre washer
	88074031	Renewable seat wrench for both plastic and brass seats
	88074251	Handle and screw
18	88074594	Retrofit check stem unit, capnut and handle complete
	88074593	Seat washer, spring, cover and "O" ring only
19*	88074027	"O" rings
20	88074454	1" copper sweat inlet adaptor
	88074451	3/4" copper sweat inlet adaptor
	88074528	3/4" FIP inlet adaptor
21	88074545	Vacuum breaker sleeve complete
22	88074030	Coupling nut
23	88074542	1-1/2" x 10" V.B., coupling ring and tube complete
	88074610	1-1/4" x 10" V.B., coupling ring and tube complete
24	88074538	1-1/2" rough coupling nut and washers
	88074535	1-1/4" coupling nut and washer
25	88074028	1-1/2" rubber and fibre slip joint washers
	88074017	3/4" rubber and fibre slip joint washers

NOTE: Refer to TECK flushometer repair parts and maintenance manual for additional parts and information.

*For package quantity, refer to "component parts price list".

Slip Joint Nut Installation

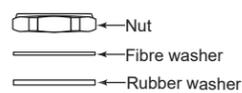


FIG. D

PLEASE LEAVE this sheet with the owner, maintenance plumber, etc. as items relating to ongoing maintenance suggestions and procedures are included.

PROBLEM SOLVING & MAINTENANCE SUGGESTIONS:

NOTE: DO NOT USE EXCESSIVE FORCE to close the inlet stop stem. We RECOMMEND that the flushometer be flushed while closing the inlet stop. The noise created by the water flow or the flow into the fixture will stop when the inlet water is shut off.

NOTE: Always use DELTA COMMERCIAL GENUINE PARTS to maintain the warranty.

EXCESSIVE NOISE:

1. PARTIALLY close the inlet stop.
2. Pressures OVER 75 PSI may lead to an increase in NOISE, water could SPLASH out of the fixture more easily and the LIFE of any plumbing valve may be SHORTENED.
3. INSTALL a Pressure Reducing Valve set at a lower pressure if actual pressure is over 75 PSI. While the TECK Flushometer will operate up to 125 PSI, the preferred operating range is between 35 to 65 PSI.
4. On flushometers that have been installed for a number of years, check the Renewable Seat (060182A, item #16) for wear and replace if necessary.

EXCESSIVE WATER FLOW RATE:

1. OPEN inlet stop (060479A, item #17) ONE TURN and adjust Regulating Screw (061024A, item #7) to the fixture requirement (except on -6 and -48 models which are fixed volume).
2. Operation of flushometer with inlet stop BELOW ONE TURN OPEN may cause EXCESSIVE NOISE and PREVENT the non hold open feature from functioning. The lowest open setting for the inlet stop may vary dependent on the installation.

SHORTAGE OF WATER TO PROPERLY FLUSH BOWL:

1. OPEN inlet stop fully.
2. CHECK pipeline for size or obstruction, partially closed gate or other supply line valve, corroded or undersize water piping.
3. CHECK water pressure.
4. Water flow rate is determined by BOTH the water pipe size AND the water pressure available.
5. A water closet flush valve requires a minimum water supply of 1" (or larger), depending on a number of different factors including water pressure (PSI) available, pipe size and length of pipe run, number of fixtures per washroom and per building, fixture type, fixture usage factor, elevation of valve above the water main, etc. We strongly recommend that pipe size calculations be done to insure proper water supply sizes. A Piping Calculation Guide is available on request.

Flushometers do NOT provide a water supply; they are merely automatically timed self-closing valves. The inlet supply piping is the water reservoir that must supply sufficient water volume in a short period of time (4 to 10 seconds) to properly flush and clear the fixture.

CONTINUOUS FLUSHING:

1. The Regulating Screw (061024A, item #7) may be turned RIGHT (clockwise) TOO FAR. Adjust by slowly turning the Regulating Screw LEFT (counter-clockwise) (except -6 and -48 models which are fixed volume).
2. If flush is still continuous, remove 061024A Regulating Screw, CLEAN bypass slot in the Screw, REPLACE it in the valve and ADJUST slowly for proper flush.
3. CHECK the relief valve in the handle cage (060810A, item #10 or 060755A, item #12) and see if it is stuck in the open position or fouled by debris. Replace the handle cage (060810A, item #10 or 060755A, item #12) if necessary.
4. Remove the cast cap assembly and Diaphragm/Guide assembly (060779A, item #14) and check for contaminants at renewable seat and diaphragm, and check for debris in the cap for blockage. Also CHECK that the Diaphragm/Guide slides easily in the Renewable Seat.
5. After replacing the diaphragm, be sure the sintered bronze valve silencer and the flat, white plastic washer are correctly aligned with the cast guide and do not catch on the top of the renewable seat (060182A, item #16). To assure PROPER ALIGNMENT, slide the diaphragm/guide assembly (060779A, item #14) into the renewable seat (060182A, item #16) until the diaphragm/guide slides and seats smoothly and easily.

VALVE WILL NOT FLUSH:

1. When the valve has been taken apart for servicing and re-assembled and does NOT operate, check that the Cast Cap has been put on the body properly. The indicating ARROW labelled "handle" on top of the cast top cap should point to the handle of the valve (Fig. E).
2. After a number of years, the valve will only flush when the handle is depressed, but shuts off immediately when the handle is released. The diaphragm (060079A, item #14) is worn or split and needs replacing.

VALVE WILL NOT REFLUSH:

When the valve flushes once and then will not flush a second time after 10 seconds, CHECK the handle cage (060810A, item #10 or 060755A, item #12) for sediment under the seat washer or for a STUCK open relief valve. If necessary, replace the handle cage (060810A, item #10 or 060755A, item #12).

SLIGHT WATER LEAK INTO FIXTURE:

1. EXAMINE the seating surface of the Diaphragm Seat (060779A, item #14) for imbedded sediment.
2. EXAMINE the seat surface of the handle cage (060810A, item #10 or 060755A, item #12) seat washer for wear and for sediment under the relief valve. It may be necessary to REPLACE the handle cage (060810A, item #10 or 060755A, item #12).

LEAK AT HANDLE:

When the actuator is activated for a flush and there is a LEAK at or around the handle, REPLACE the handle cage (060810A, item #10 or 060755A, item #12).

TECK

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