

Operating and Service Instructions

LavCare™ 500 Repair Parts Booklet With Flush Valve Trouble-Shooting Guide

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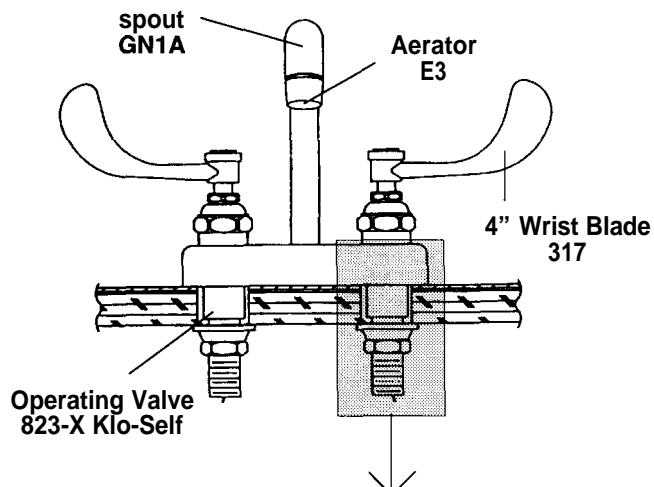
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Repair Parts for the Chicago Faucets IO" Wrist Blade Centerset Faucet (Chicago Faucets Part Number 895317; Bradley Part Number 269-878)

Operating Valve

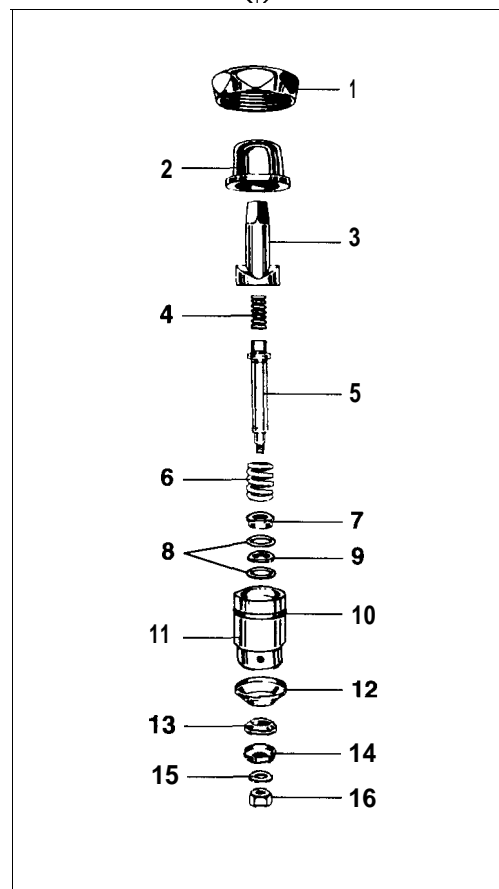
Chicago Faucets Part Number 895317
Bradley Part Number 269-878 (Faucet Only)

All repair parts have Chicago Faucets part numbers.



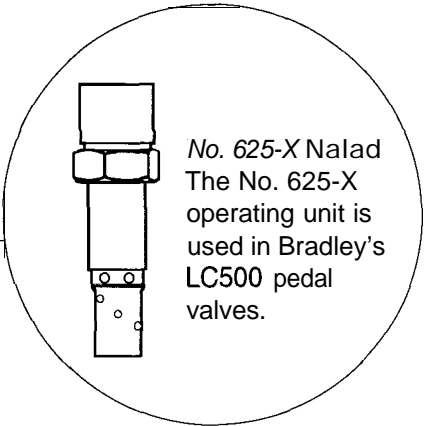
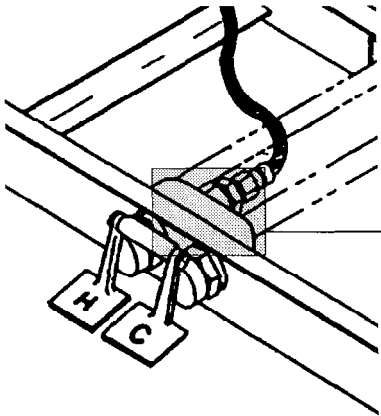
Parts List

Item	Part No.	Description
1	823-4	Nut
2	823-9	Bonnet
3	823-7	Stem
4	823-1 3	Spring
5	823-1	Plunger
6	823-10	Spring
7	1 7 1 1 - 7	Gland
8	319-40	O-Rings*
9	319-35	Leather Washer*
10	823-1 5	O-Rings*
11	823-2	Sleeve
12	1-27	Seal*
13	244-6	Washer*
14	1-22	Retainer
15	1-31	Washer
16	333-097	Nut



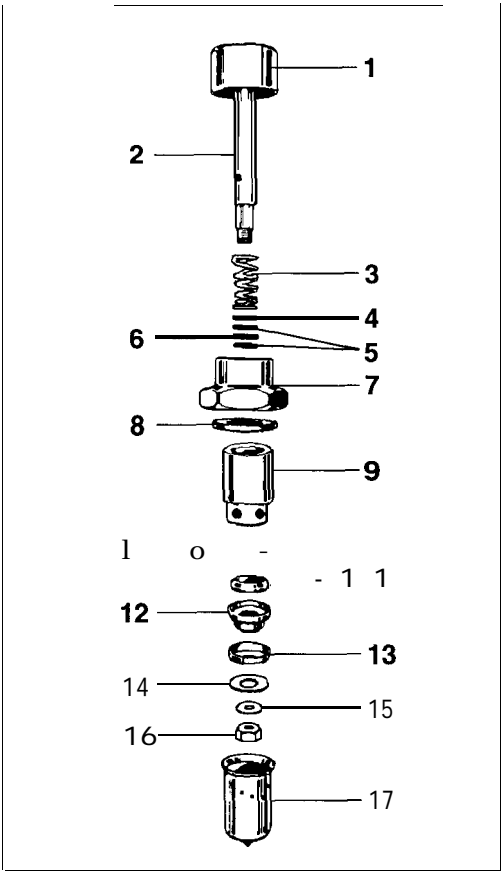
* Those parts listed in the "Description" column that are marked with an asterisk (*) are parts that are recommended for replacement when renewing these operating units. Other parts not marked may require replacement depending on the amount of wear they have received and their condition when examined.

Repair Parts for the Chicago Faucets Foot Pedal Valve
 (Chicago Faucets Part Number 625; Bradley Part Number 269-669)



Operating Valve

No. 625-X Nalad
 The No. 625-X operating unit is used in Bradley's LC500 pedal valves.



Parts List

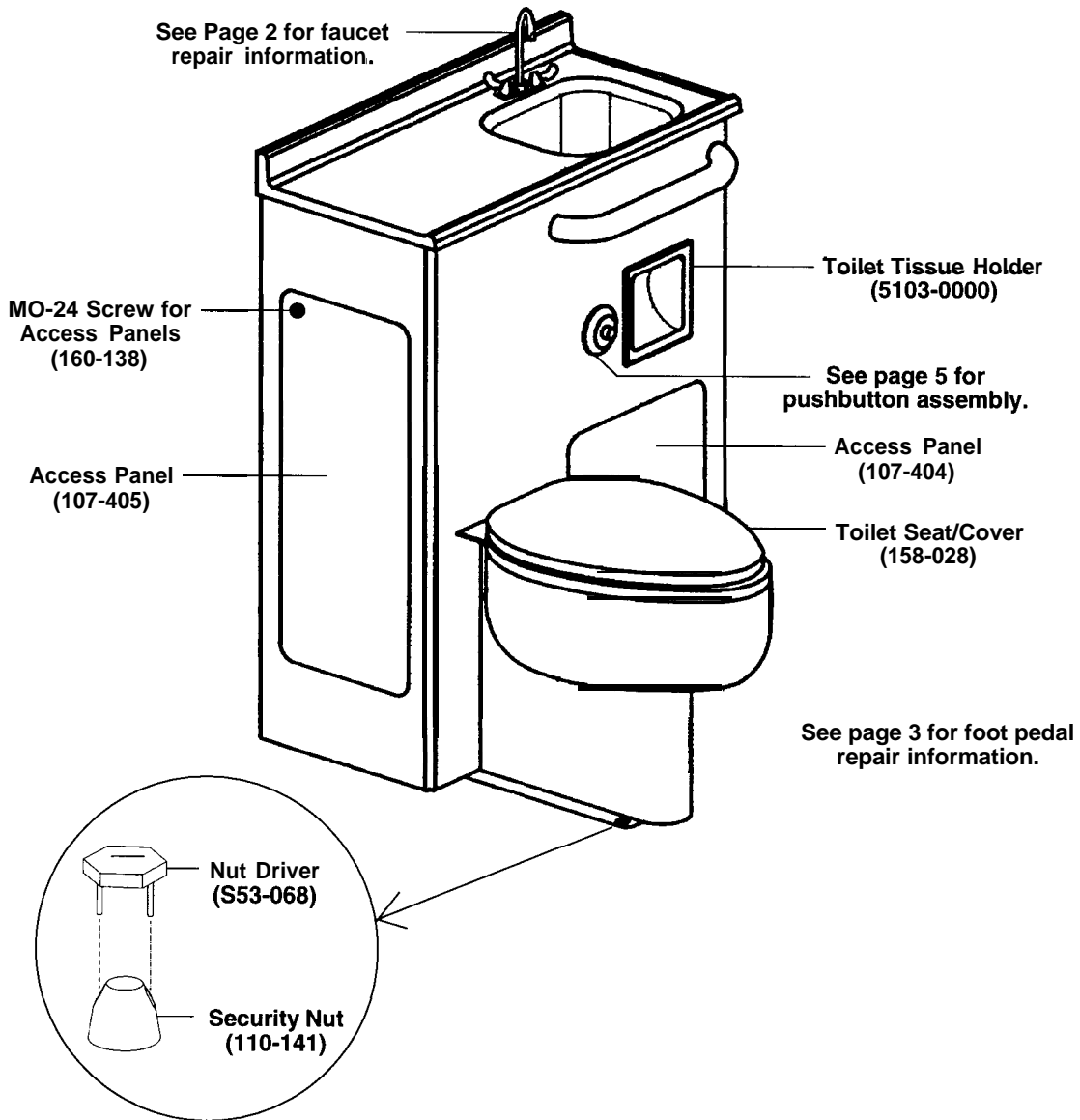
All repair parts have Chicago Faucets part numbers.

Item	Description	625-X
1	Button	625-12
2	Stem	333-20
3	Spring	395-18
4	Washer	319-12
5	"O"-Rings*	319-40
6	Leather Washer*	319-35
7	Cap	319-3
8	Gasket*	1-43
9	Sleeve	433-42
10	Seat*	1-27
11	Washer*	244-6
12	Retainer	333-26
13	cup*	33340
14	Washer	333-39
15	Washer	1-31
16	Nut	333-97
17	Dash Pot	333-75

* Those parts in the "Description" column marked with an asterisk (*) are parts that are recommended for replacement when renewing these operating units. Other parts not so marked may require replacement depending on the amount of wear they have received and their condition when examined.

Part numbers and figures courtesy of the Chicago Faucet Company, Des Plaines, Illinois.

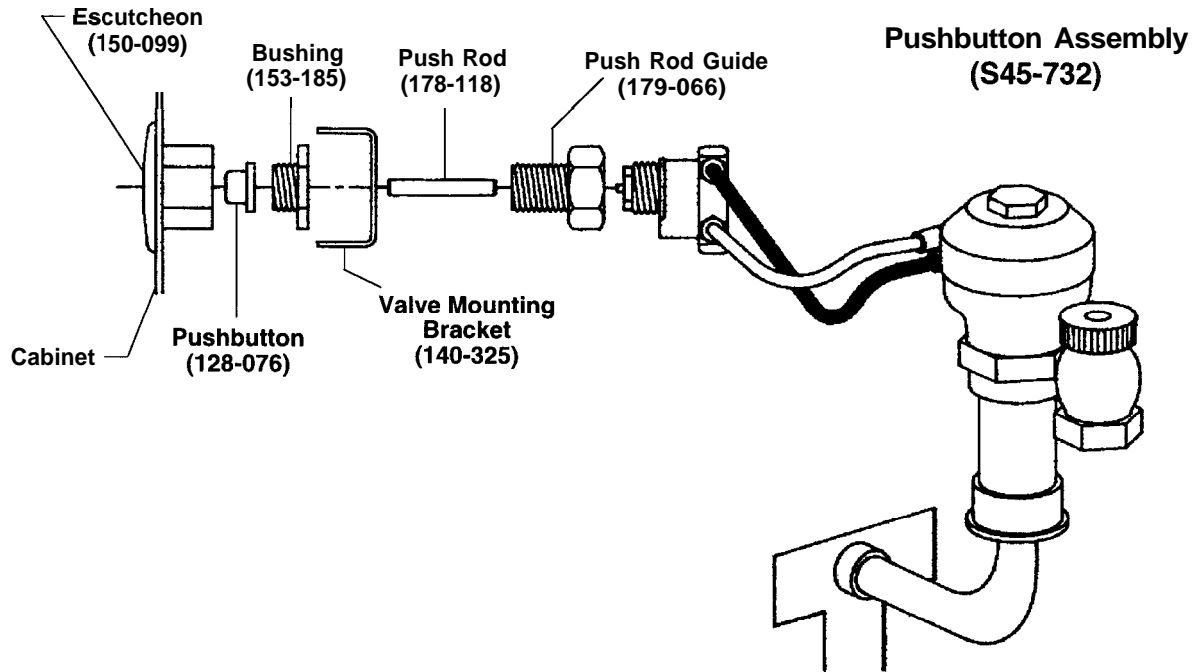
LC500 Component Parts



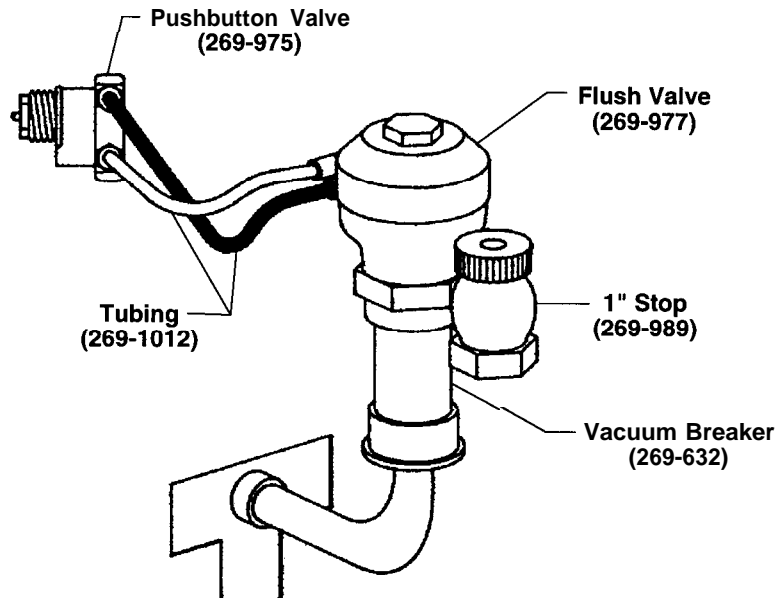
Miscellaneous Part Description	Part Number
Water Closet Anchor	269-676
Setting Tool	130-032
Water Closet Mounting Stud	109-021

Cabinetry, countertop, and other components not listed above, have been customized for your application. To insure that the correct parts are ordered for your units, please contact your Bradley Representative for assistance.

Pushbutton Repair Parts



Flush Valve Repair Parts



Royal Flush Valve Trouble-Shooting

Problem	Cause	Solution
1. Valve does not function.	Control stop or main valve is closed.	Open control stop or main valve.
2. Insufficient volume of water to adequately siphon fixture.	<p>(a) Control stop is not open enough.</p> <p>(b) Urinal Valve parts installed in Closet Valve.</p> <p>(c) Inadequate volume or pressure at supply.</p>	<p>(a) Adjust control stop for desired delivery of water.</p> <p>(b) Replace inside urinal valve parts with proper closet valve parts.</p> <p>(c) If no gauges are available to properly measure supply pressure or volume of water at the valve, then completely remove the entire Diaphragm Assembly and open the control stop to allow water to pass through the empty valve. If the supply is adequate to siphon the fixture in this manner the Restriction Ring (A-32 on brass guides, A-I 64 on Cyclocac guides) may be removed from the bottom of the guide to provide additional flow or a Sloan Guide Assembly (A-I 3-A Fullback) may be installed in the valve. Should neither of these steps prove satisfactory, steps should be taken to increase the pressure and/or supply.</p>
3. Valve closes off immediately.	<p>(a) Ruptured or damaged diaphragm.</p> <p>(b) Enlarged by-pass orifice from corrosion or damage.</p>	<p>(a) Install inside parts kit to correct problem and update the Flush Valve.</p> <p>(b) Install inside parts kit to correct problem and update the Flush Valve.</p>
4. Length of flush too short (short flushing).	<p>(a) Diaphragm assembly and Guide assembly are not hand tight.</p> <p>(b) Enlarged by-pass orifice from corrosion or damage.</p> <p>(c) A-19-AU Urinal Relief Valve in Closet Flush Valve.</p>	<p>(a) Screw the two assemblies hand tight.</p> <p>(b) Install inside parts kit to correct problem and update Flush Valve.</p> <p>(c) Replace the Urinal Relief Valve with HY-34-A Closet Relief Valve.</p>

Royal Flush Valve Trouble-Shooting Continued . . .

Problem	Cause	Solution
5. Length of flush too long (long flushing) or failing to close off.	(a) Relief Valve (HY-34-A) 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 "over-treated" water.	(a) Disassemble the working parts and wash them thoroughly. NOTE: The size of the orifice in the by-pass is of the utmost importance for the proper metering of water into the upper chamber of the valve. DO NOT enlarge or damage this orifice.
	(b) Line pressure has dropped and is not sufficient to force Relief Valve to seat.	(b) Shut off all control stops until pressure has been restored, then open them again.
6. Water splashes out of fixture.	(a) Supply volume is more than is necessary.	(a) Throttle down control stop.
	(b) Lime accumulation on vortex or spreader holes.	(b) Remove lime build-up.

Cabinet and Countertop Cleaning Instructions

Stainless steel Brad-Glazed fixtures are extremely durable, and maintenance is simple and inexpensive, but proper care, particularly under corrosive conditions, is essential.

Regular and frequent cleaning will greatly prolong the service life of Brad-Glazed fixtures and, at the same time maintain a pleasing surface appearance. The amount and frequency of cleaning depends on the service conditions involved. For best results, fixtures should be cleaned as often as films or deposits become apparent. Periodic cleaning will remove built-up deposits which may eventually cause concentration cells to set on the surface.

Follow these suggestions:

1. **ALWAYS READ THE LABEL ON ANY CLEANER CAREFULLY BEFORE APPLYING THE CLEANER TO YOUR BRAD-GLAZED FIXTURE.**

Give the fixture a thorough cleaning with a non-abrasive liquid tub and tile cleaner to remove soil and maintain the glossy finish. You may safely use the following cleaners*:

Calgon® Bath Oil Beads
Formula 409®
Liquid Comet®
Soft Scrub®

Spic and Span® Powder
Mr. Clean®
Windex®
Glass Plus®

Avoid harsh chemicals and disinfectants. *DO NOT USE: Lysol® Disinfectant Spray, Whitecap®, Dow® Disinfectant Bathroom Cleaner, Lestoil®, Pinesol®, acetone, alcohol, steel wool, and steel brushes.

2. Cleanliness is of the utmost importance. Ordinary deposits of dirt and grease are quickly removed with soap and water. Whenever possible, the surface should be thoroughly rinsed and dried after washing.
3. Remove material and deposits that tend to adhere to the surface of the fixture, especially in crevices and corners.

*NOTE: Use of proprietary names is intended only to indicate a type of cleanser, and does not constitute endorsement nor is omission of any proprietary cleanser to imply its inadequacy. It should be emphasized that all products should be used in strict accordance with instructions on package.

Stainless Steel Cleaning Instructions

Periodic and frequent cleaning will greatly prolong the service life of stainless steel equipment and, at the same time, maintain a bright surface of pleasing appearance. The amount and frequency of cleaning depends on service conditions involved.

Follow these suggestions:

1. **CLEANLINESS IS OF UTMOST IMPORTANCE:** Ordinary deposits of dirt and grease are quickly removed with soap and water. Whenever possible, the metal should be thoroughly rinsed and dried after washing. To get rid of tightly adhering deposits, use stainless steel polishing powder. In all cases, rubbing should be in the direction of polishing lines.

WARNING: Never use ordinary steel wool or steel brushes on stainless steel. Always use stainless steel wool or stainless steel brushes.

2. **DO NOT PERMIT SALTY SOLUTIONS TO EVAPORATE** and dry on stainless steel.
3. **RUST:** Sometimes the appearance of rust streaks on stainless steel leads to the belief that the stainless steel is rusting. Look for the source of the rust in some iron or steel not actually a part of the stainless steel structure. A steel nail or screw may cause the trouble. **NOTE:** Strongly acidic or caustic cleaners may attack the steel causing a reddish film to appear. The use of these cleaners should be avoided.

LavCare™ 500 Module Warranty Information

Bradley Corporation warrants to commercial and institutional purchasers only each unit free from defects in material and workmanship under normal use and service upon the following terms and conditions:

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|---|---|
| <ol style="list-style-type: none">1. This warranty is limited to replacing or repairing, at our option, transportation charges prepaid by the purchaser, any Bradley unit or part thereof which our inspection shall show to have been defective within the limitations of this warranty.2. The period during which LC500 components are warranted is one (1) year, measured from the date of our invoice.3. This warranty does not cover installation or any other labor charges and does not apply to any units which have been damaged by accident, abuse, improper installation or improper maintenance.4. The replacement or repair of defective units as stated in this warranty shall constitute the sole | <p>remedy of the purchaser and the sole liability of Bradley Corporation under this warranty. Bradley Corporation shall not otherwise be liable under any circumstances for incidental, consequential or indirect damages caused by defects in the repair or replacement thereof.</p> <ol style="list-style-type: none">5. This warranty extends only to commercial and institutional purchasers and does not extend to any others, including consumer customers of commercial and institutional purchasers.6. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE. |
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