

SS-3N/IR-WH/LSD-3

Installation

SS-3N/IR/STD SS-3N/IR-WH

Express® Lavatory System SS-Series

Express Lavatory Systems are ADA and TAS compliant U.S. Pat. Nos. 5,611,093, 5,369,818, D398,969 Other Patents Pending

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P.O. Box 309, Menomonee Falls, WI USA 53052-0309 PHONE 800.BRADLEY (800.272.3539) FAX 262.251.5817 bradleycorp.com

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Read this entire installation manual to ensure proper installation. When finished with the installation, file this manual with the owner or maintenance department. Compliance and conformity to local codes and ordinances is the responsibility of the installer.



Separate parts from packaging and make sure all parts are accounted for before discarding any packaging material. If any parts are missing, do not begin installation until you obtain the missing parts.



Make sure that all water supply lines have been flushed and then completely turned off before beginning installation. Debris in supply lines can cause valves to malfunction.



Turn OFF electrical power to the electrical outlets, then unplug all electrical units prior to installation. Electrical power MUST remain off until unit and optional water heater have been plumbed. After installation is complete, turn on the water supply first, then turn on the electrical power.



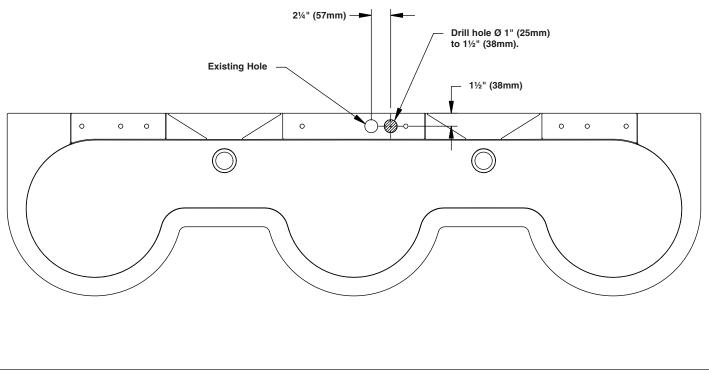
Hardware supplied by installer must be appropriate for wall construction. Wall anchors must have a minimum pull-out rating of 1,000 lbs. Follow appropriate dimensions for standard or juvenile height based on configuration and required rim height. Overtightening fasteners can damage the Terreon[®] material. Use caution when tightening bowl and sprayhead fasteners.

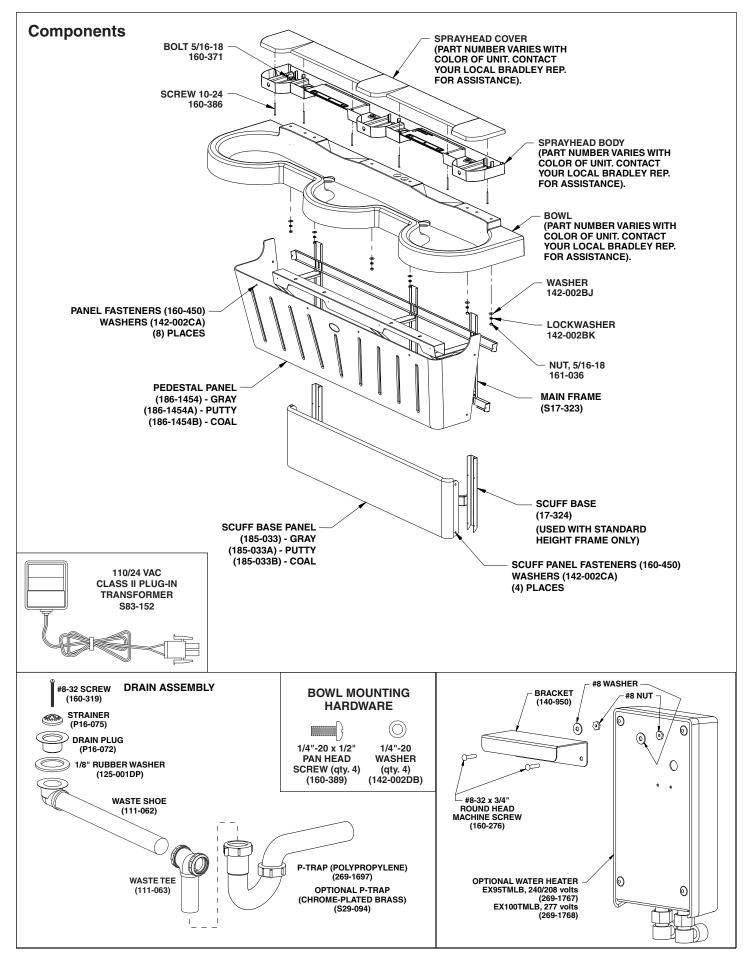


Product warranties may be found in the "Products" section on our Web site at bradleycorp.com.

Special Note for Sprayhead/Bowl retrofit

to retrofit new SS-3N sprayhead onto existing SS-3 bowl



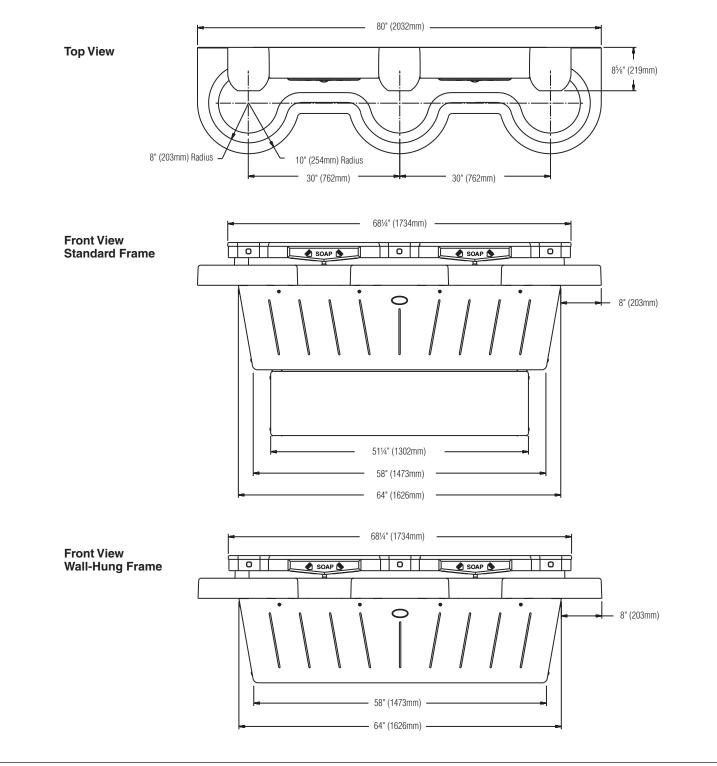


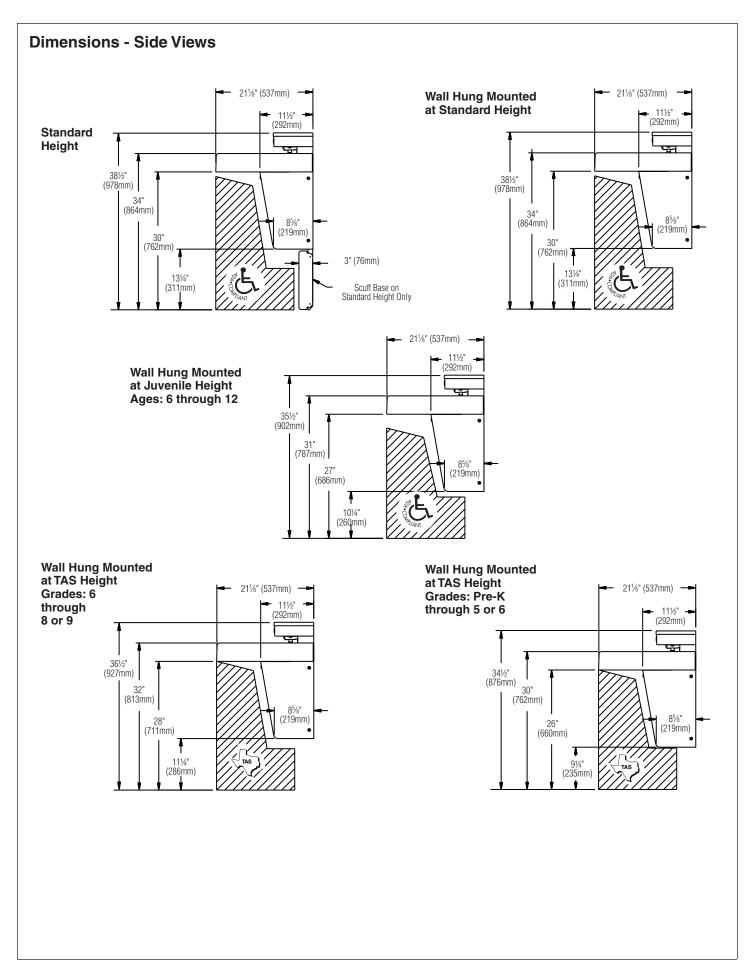
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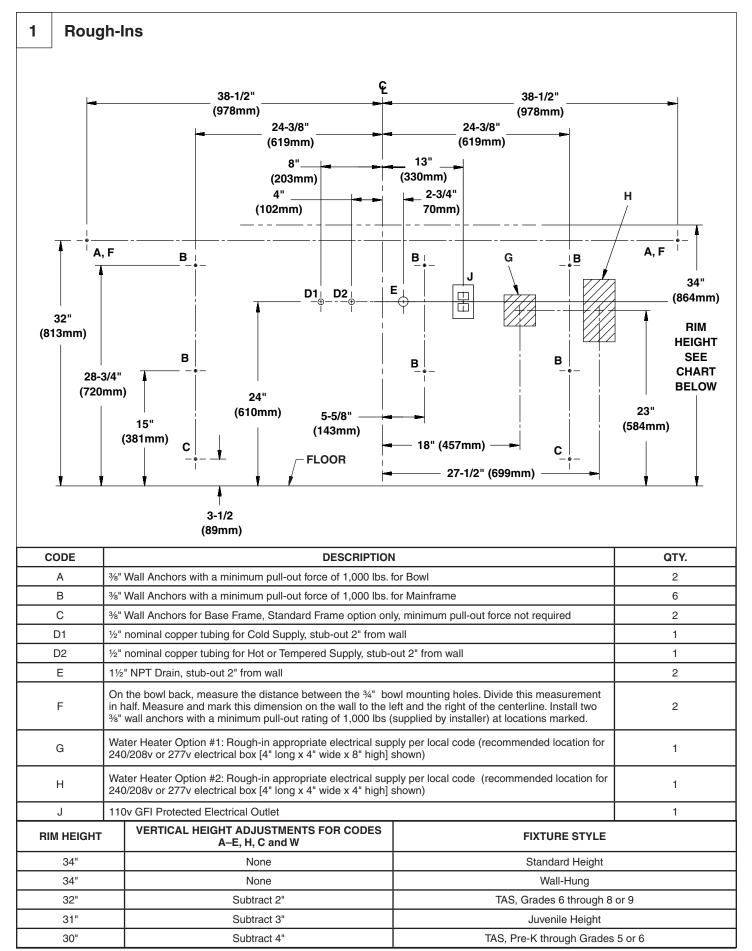
Supplies Required:

- (8) 3/8" wall anchors, bolts and 1" min. O.D. washers to mount main frame and bowl to wall (minimum pull-out rating of 1,000 lbs.)
- STD. HEIGHT ONLY: (2) 3/8" wall anchors, bolts and 1" min. O.D. washers to mount scuff base to wall
- $\frac{1}{2}$ " nominal copper tubing for hot and cold supplies and $\frac{1}{2}$ " NPT drain piping
- 110 volt GFCI protected electrical outlet for 1110/24 VAC plug-in transformer (supplied)
- OPTIONAL: 240/208-volt or 277-volt electrical box for electric tankless water heater

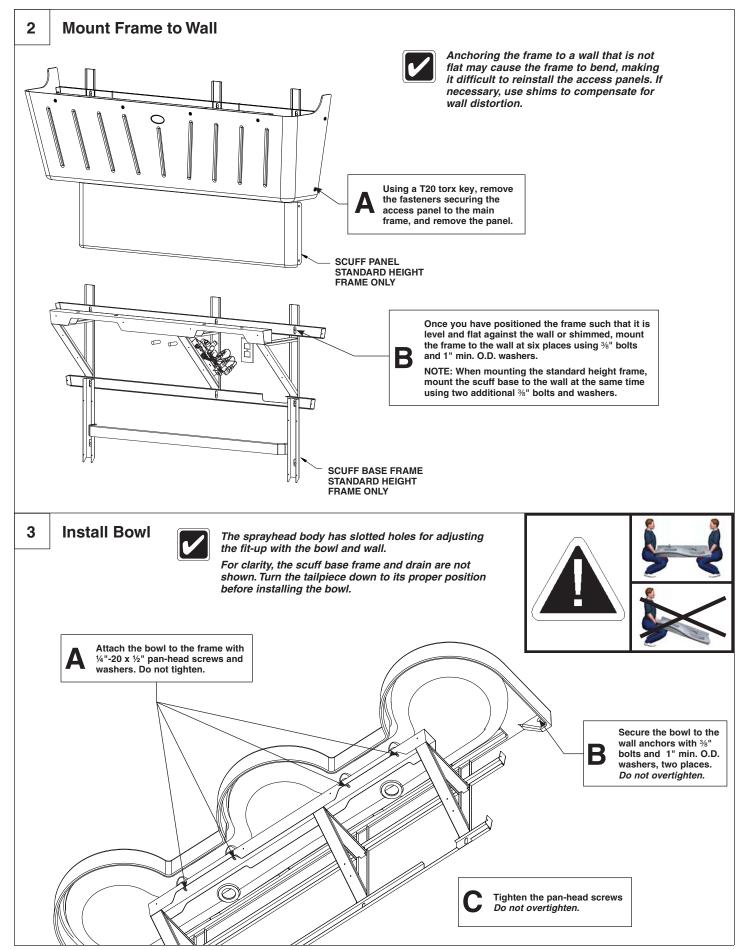
Dimensions - Front and Top Views



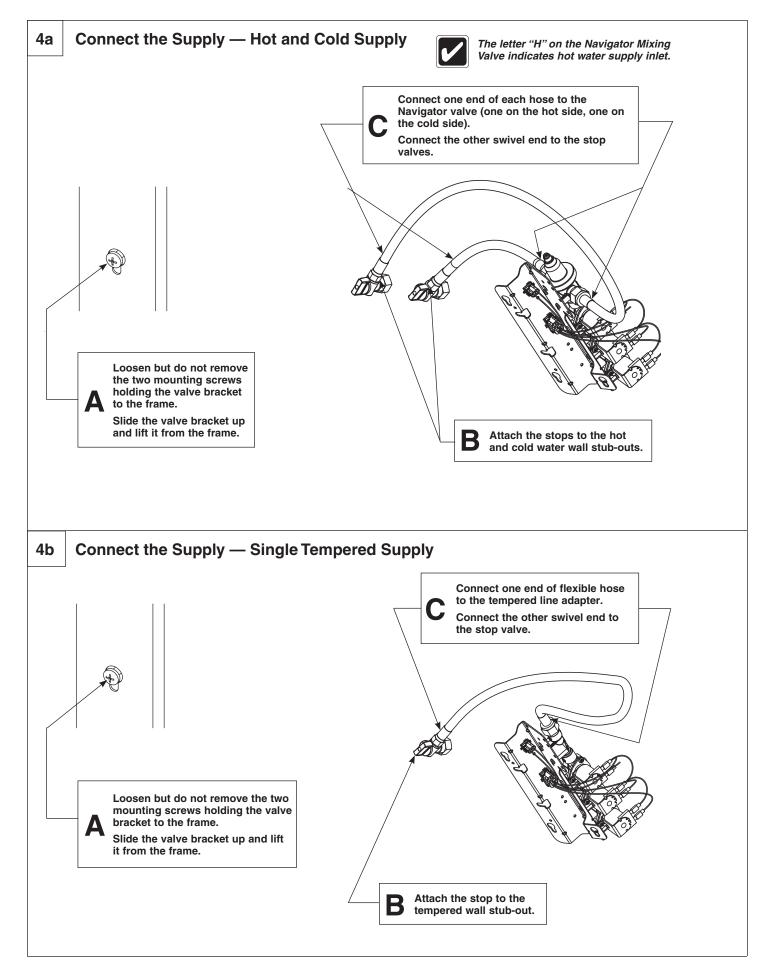


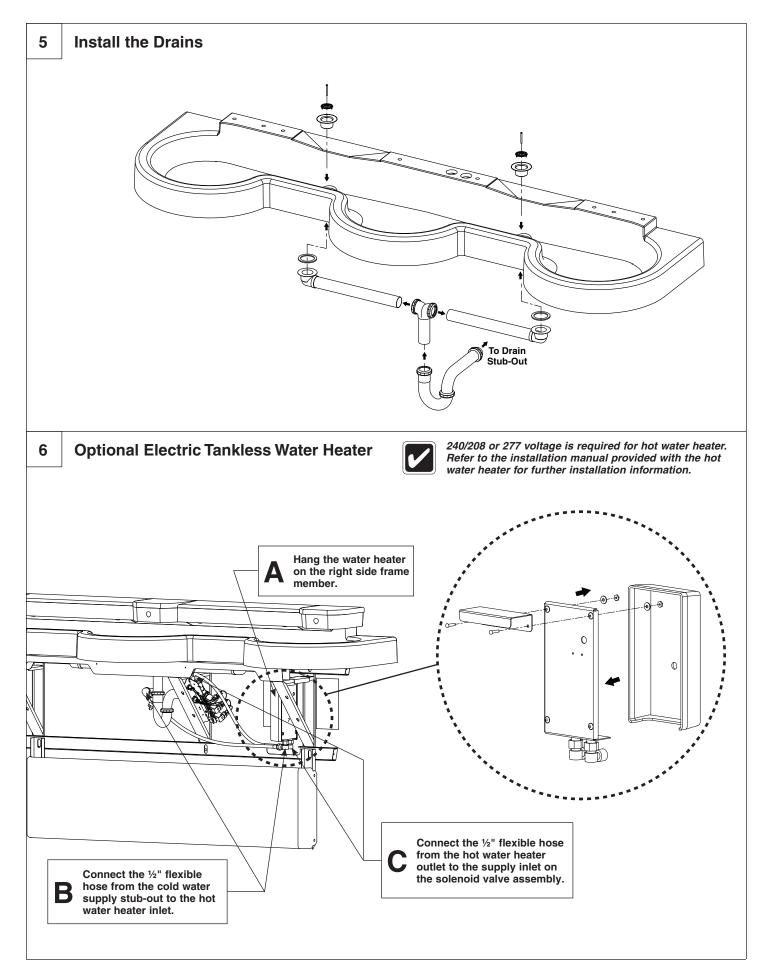


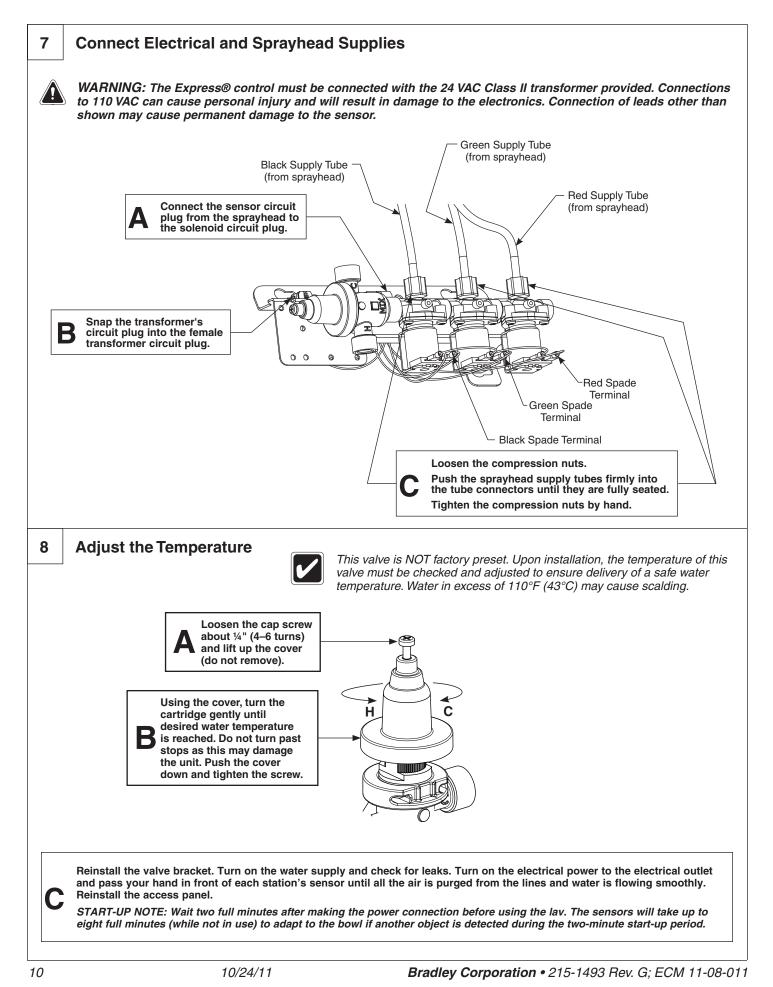
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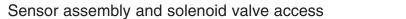


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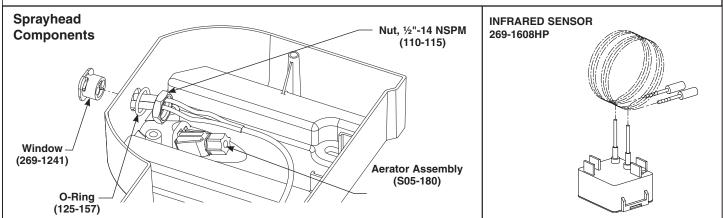






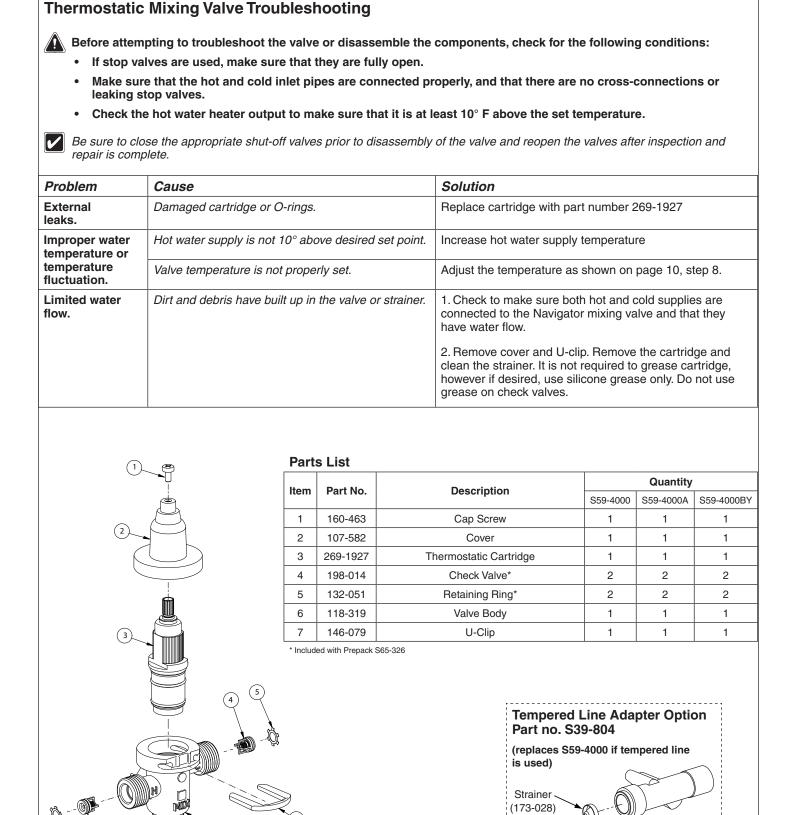


- To access sensors: Remove the Phillips-head screws located in the bottom of the sprayhead body and lift the Terreon cover/shelf off.
- To reinstall sprayhead cover/shelf: Position the cover/shelf on the sprayhead body and secure it to the sprayhead body using the screws provided.



Troubleshooting – Solenoid Valve: Part nos. S07-067 (closed body) & S07-067A (thru body) Turn off water supplies to the unit before troubleshooting. Item Qty. Part No. Description 1 1 118-307 Valve Body, 1/4" Closed Valve Body, 1/4" Thru 1 118-307A 1 2 1 269-983 Diaphram 3 1 269-577 Armature 6 1 4 269-578 Spring 5 1 269-1729 Armature Housing 5 6 269-1730 1 Clamp, Armature Housing 7 1 269-579 Coil, Solenoid Valve 8 3 160-447 Screw, #8 x 5/8 4 9 1 125-165 O-Ring, #2-013 2 Repair Kit S65-113 Qty. Description Item 2 1 Diaphram 3 1 Armature 4 1 Spring Problem Cause Solution An individual Debris is Remove debris between diaphragm and the valve seat. operating trapped station fails to between the 1. Remove the three #8 Phillips-head screws that hold the solenoid valve assembly together. Be careful not shut off and diaphragm to lose the armature or spring. and the drips. valve seat. 2. Remove the diaphragm. Remove any particles that have been trapped between the diaphragm and the valve seat. Rinse off the diaphragm and inspect for damage. Make sure the center orifice and both small side orifices are open. 3. Reassemble in reverse order (do not overtighten the Phillips-head screws or the plastic valve body may crack). Tighten until the armature plate makes contact with the plastic body.

		4. Reconnect the wiring.
An individual operating		
station fails to turn on.	loose electrical connection to the terminal.	1. Disconnect the wires from the coil of an adjacent valve. Disconnect the wires from the problem valve and reconnect to the adjacent valve.
		Turn on electrical and water supplies to the unit. Pass your hand in front of the sensor of the problem station, and the adjacent station should turn on.
		If the adjacent station turns on and cycles normally, replace the coil on the problem valve.
		If the adjacent valve fails to turn on, inspect the wires from the sensor cable and do the following:
		• make sure there are no breaks and that the fully insulated disconnect terminals are firmly crimped in place;
		 turn off the electrical and water supplies;
		 reconnect to the adjacent valve and turn on the water supplies to the unit;
		• pass your hand in front of the sensor. If the station still fails to turn on, replace the sensor.



Stop Valve Troubleshooting

Problem	Cause	Solution
Water dribbles or does not flow from the sprayhead.	Stop Valves may not be functioning properly.	 Close the stops and inspect the valves that supply water to the lavatory system. Inspect the stop valves to see that they have been properly installed.
Sprayhead delivers ONLY hot OR cold water. Stop Valves may not be functioning properly.		 Close the stops and inspect the valves that supply water to the lavatory system. Inspect the stop valves to see that they have been properly installed. Inspect the thermostatic mixing valve for proper installation and connection to hot and cold supplies.

Cleaning and Maintenance for Terreon®

Material Description: Terreon is an NAHB-certified densified solid surface material composed of polyester resin and is resistant to chemicals, stains, burns and impact. Surface damage can be easily repaired with everyday cleansers or fine grit abrasives.

Routine Cleaning: Clean daily or as often as conditions require using a standard commercial or household cleaner such as Formula 409[®] or Windex[®].

Stubborn Stains: Remove tough stains with Ajax[®], Comet[®], or Soft-Scrub[®] and a green Scotch-Brite[®] pad or lightly sand in a circular motion with 240 grit wet/dry sandpaper. The finish can be renewed with a maroon Scotch-Brite pad.

Special Situations for Terreon Material

Scratches: Remove scratches with a green Scotch-Brite pad. The finish can then be renewed with a maroon Scotch-Brite pad, followed by a white Scotch-Brite pad or 30-micron sandpaper.

Hard Water Deposits: Remove hard water deposits with a mild solution of vinegar and water. Always rinse the unit thoroughly after cleaning.

Restoring the surface: Use Hope's[®] Solid Surface cleaner and polish to refresh and protect the Terreon Solid Surface material. Bradley recommends additional care and maintenance for the darker colored Terreon. For complete instructions on this additional maintenance, visit bradleycorp.com.

Do not use strong acid or alkaline chemicals and cleansers to clean Terreon. If these chemicals come in contact with the surface, wipe them off immediately and rinse with soapy water. Avoid contact with harsh chemicals such as paint remover, bleach, acetone, etc. Avoid contact with hot pans and objects.

Repair Kits: Terreon repair kits are available. Contact your Bradley representative or distributor for part numbers and pricing. Repair kits are made to order and have a shelf life of 30 days.

Terreon[®] is a unique, cast solid surface material. Aggregate flow and distribution as well as shades of color can vary from product to product creating natural characteristics.

Brand Names

Use of brand names is intended only to indicate a type of cleaner. This does not constitute an endorsement, nor does the omission of any brand name cleaner imply inadequacy. Many products named are regional in distribution, and can be found in local supermarkets, department and hardware stores, or through your cleaning service. It is emphasized that all products should be used in strict accordance with package instructions.

Fill Soap Dispenser

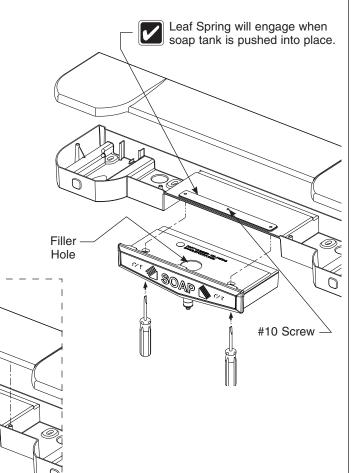


The soap valve will dispense vegetable/coconut oil liquid soaps, synthetic detergents, viscous lotion soaps, and antiseptic solutions. A 10-15% concentration is recommended for vegetable or coconut oil liquid soaps. Before filling, rinse out each soap tank with hot water to remove packing dust. Shake water out thoroughly and allow to dry. DO NOT OVERFILL!

Soap Tank Kits

S65-291 (Gray) includes:	S65-291A (Putty) includes:	S65-291B (Coal) includes:
Gray Tank w/Valve	Putty Tank w/Valve	Coal Tank w/Valve
(S11-220)	(S11-220A)	(S11-220B)
Leaf Spring	Leaf Spring	Leaf Spring
(S39-350)	(S39-350)	(S39-350)
Screw	Screw	Screw
(160-385)	(160-385)	(160-385)

Soap Valve Repair Kit (S65-258) (includes Nut, Spring, Washer and Plunger)



Clean Soap Dispenser

Soap Blank Gray (133-143) Putty (133-143A) Coal (133-143B)

Do not use abrasive cleansers to clean the soap tank. Abrasive cleaners can damage the surface.

Regular cleaning of the soap dispenser is recommended to ensure optimum performance and maximum service life. Cleaning the soap dispenser monthly to remove soap residue, dirt, and other accumulations should become a regular part of your washroom cleaning routine and general maintenance program.

Clean exterior: Use warm water and soap to clean the exterior of the soap dispenser. Dry with a soft cloth.

Clean interior: Inspect the interior of the tank for residue or coagulation of soap. If necessary, clean the tank according to the following procedure:

- 1. Pour out any remaining soap in the tank.
- 2. Full the tank half-full of hot water and shake the tank to dislodge the soap residue.
- 3. Empty the water from the container and repeat steps 1 and 2 until the soap container is clean.

If rinsing alone does not remove the soap residue, place a small chain (24 inches long) into the tank with hot water and shake the container until the chain dislodges the residue. Then remove the chain and rinse out the tank.

Clean internal components: Pump hot water through the soap dispenser until a clean flow of water comes out of the valve.

To change soap, pour out all of the soap from the dispenser ans rinse with hot water several times until all residue is removed. Pump the valve until clean water appears. Rinse the dispenser with ethyl alcohol; air dry before refilling.