Whitehall Manufacturing®
Manufacturer of Healthcare and Rehabilitation Products since 1946

Model WH3779

LIGATURE RESISTANT CORTERRA®
ADA COMPLIANT DUAL BASIN
VANITY

WH3779-WH3375L-SO (SHOWN)

IMPORTANT

Important: Some options may slightly alter installation. To ensure proper installation review the manual thoroughly and verify rough-ins before beginning any work. File this manual with the owner or maintenance personnel upon completion of installation.

Industry standard wall backing, for wall hung fixtures, is required. Installer provided wall anchors and wall anchoring hardware must be appropriate for wall construction.

ANSI, UFAS or ADA compliance is subject to the interpretation and requirements of the local code authority and is the responsibility of the installer for verification.

Single Temp Valve Assembly: Recommended working water pressure is 30 psi (2.07 bars) minimum to 100 psi (6.89 bars) maximum. Maximum temperature is 130°F (54.4°C). Maximum outlet temperature recommended is 105°F (40.6°C). Valve assembly must be drained prior to being subjected to freezing temperatures. A checkstop is provided with this valve assembly.

T/P Mixing Valve Assembly: Recommended working water pressure is 30 psi (2.07 bars) minimum to 100 psi (6.89 bars) maximum. Maximum hot water temperature is 180°F (82°C). Temperature adjustment range is 85-115°F (29-46°C). Minimum hot water supply temperature must be 5°F (3°C) above desired set temperature. Valve assembly must be drained prior to being subjected to freezing temperatures. The valve assembly has checks integral to the inlets however, angle stops are to be provided by the installer.

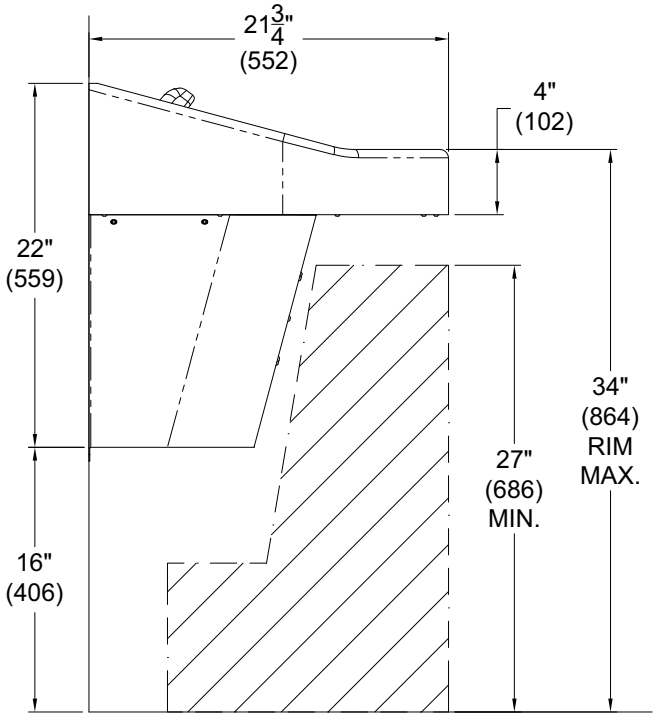
Prior to installation, supply lines must be flushed of all foreign material such as pipe dope, chips, or solder. Debris or foreign material in water supply may damage valve.

Teflon tape is recommended on all threaded waste and supply connections to reduce the possibility of leaks.

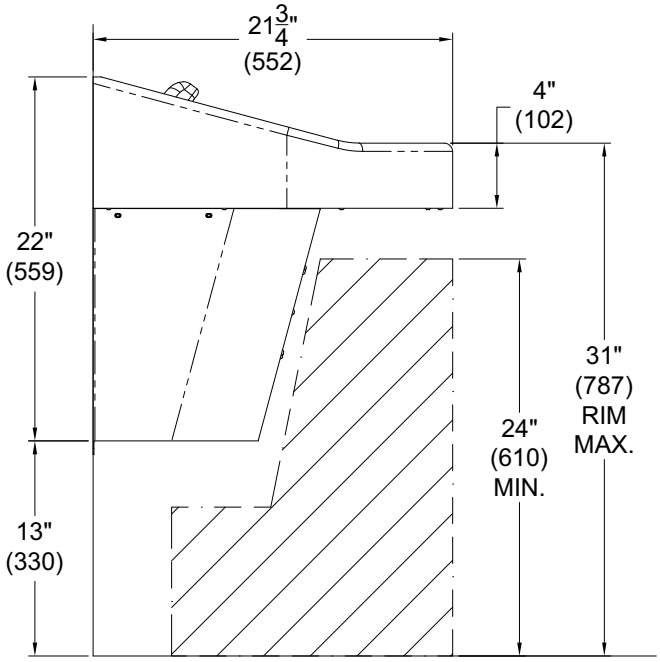
Provide 110-120VAC/60Hz/3A (MAX) electrical receptacle for optional factory supplied 120VAC/9VDC, 100mA plug-in transformer.

NOTE: Receptacle(s) must be wired to a GFCI protected circuit. Fixture must be earth grounded per N.E.C. (National Electrical Code).

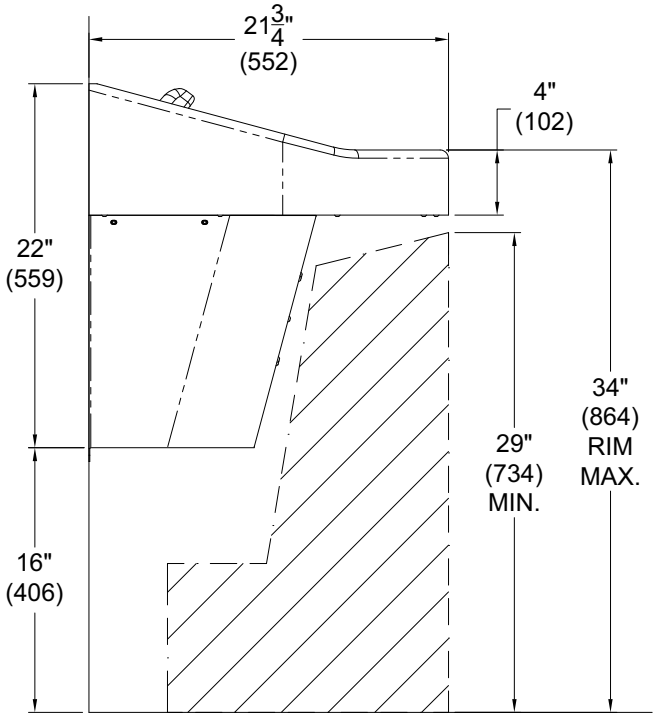
ACCESSIBILITY OVERVIEW



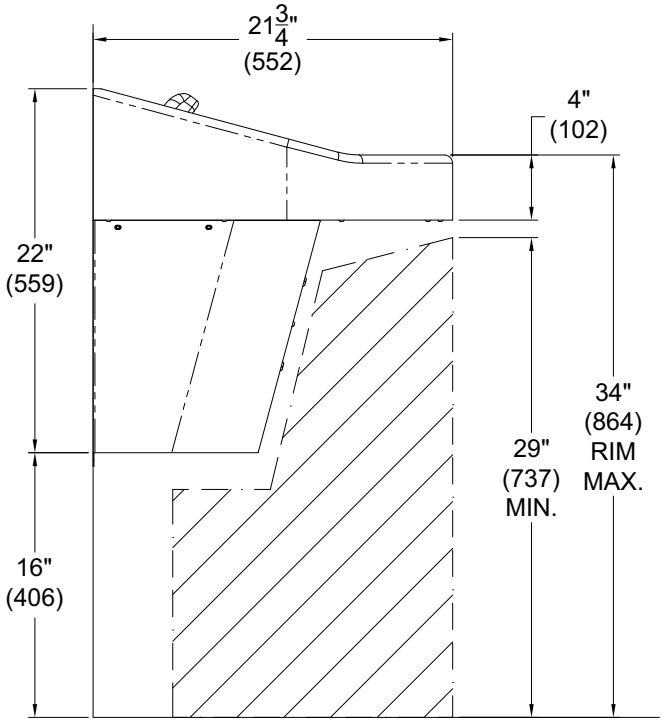
ADA
Adult



ADA ages
6 thru 12



CBC
(California Building Code)



OBC
(Ontario Building Code)

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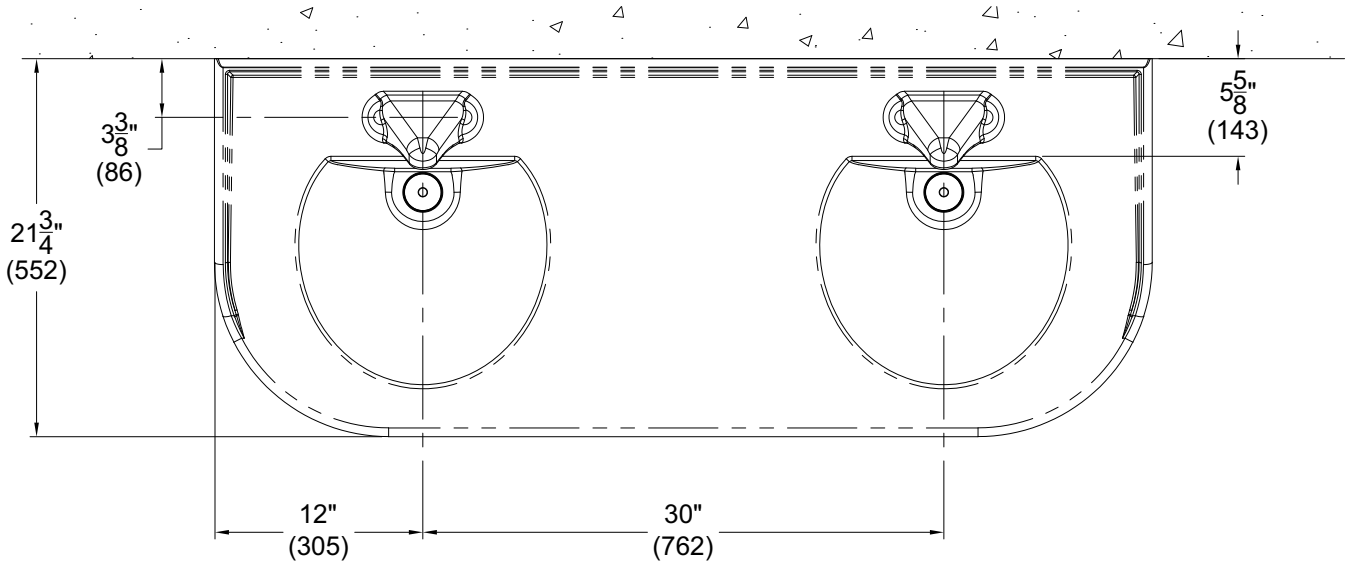
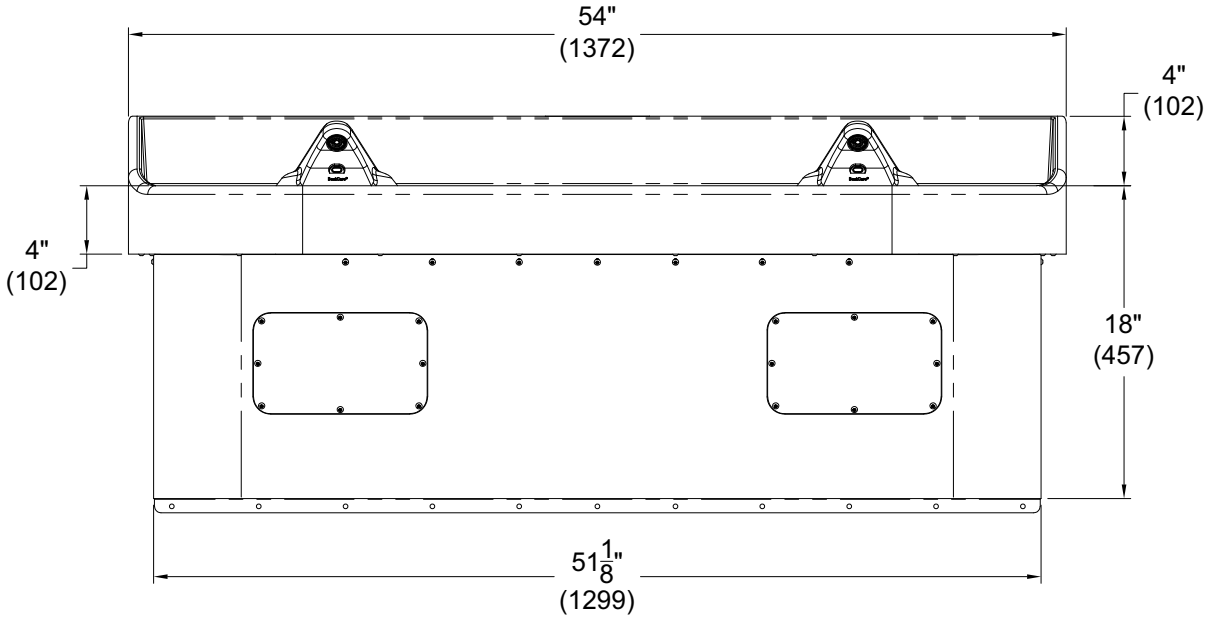
DIMENSIONAL DATA





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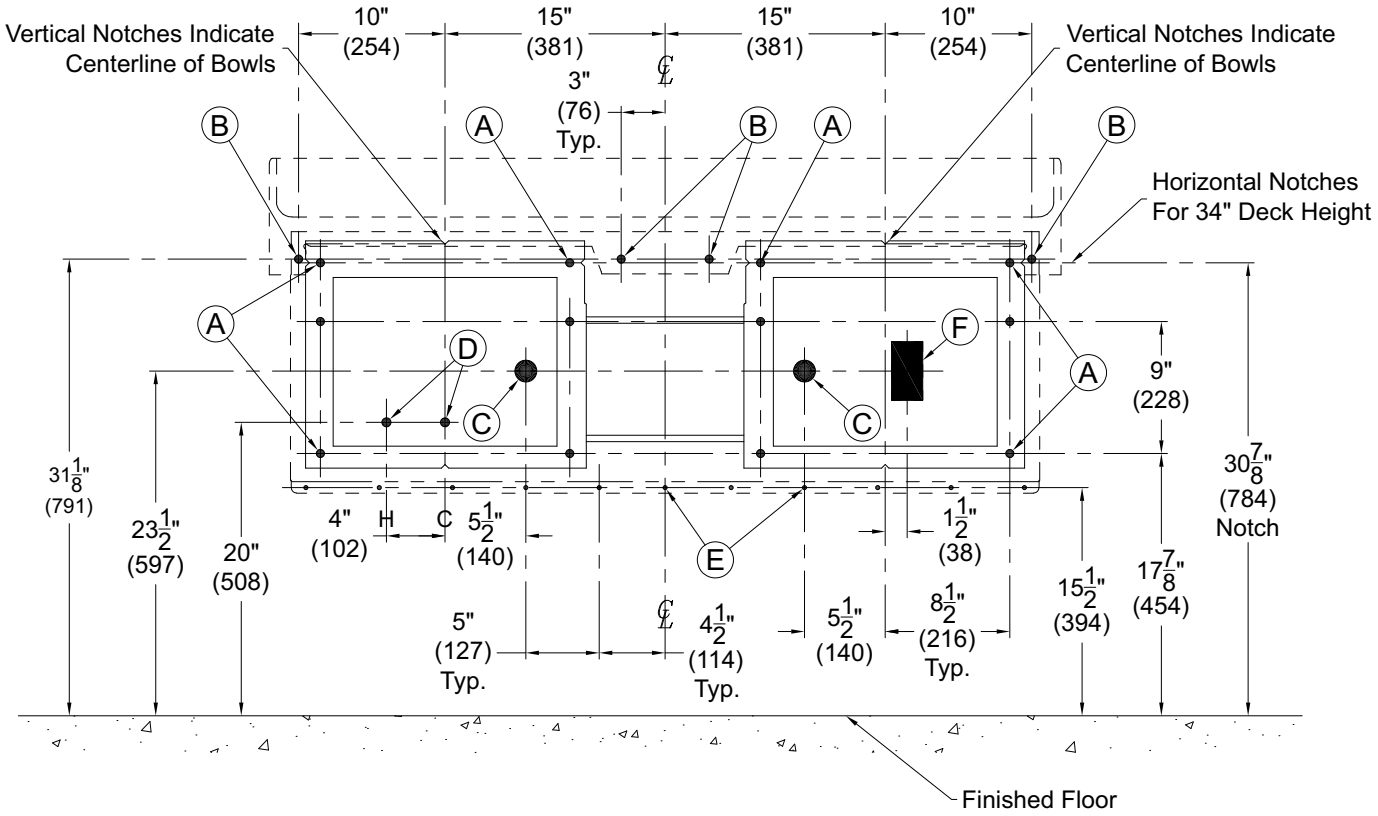
ROUGH-IN DIMENSIONS -ADA (Adult) And OBC Ontario Building Code (Canada)

NOTE: Fixture Weight is approximately 200 LBS (91 KGS) For compatable In-Wall Support Carriers refer to J.R. Smith Model # 0864-3-M31



VIEW FROM FRONT OF FIXTURE

- (A) (12) 9/16" Diameter Mounting holes provided. Fasteners and Wall Anchors are provided by others. Installer is to use Industry Standards of Best Practice to suit wall type and construction, weight of fixture and Application.
- (B) (4) 9/16" Diameter Mounting holes provided.
- (C) 1-1/2" O.D. Tube Lavy Waste Outlet for Compression Joint.
- (D) 1/2" NPS Hot & Cold Supplies for Angle Stops (By Others).
- (E) 1/4" Diameter Mounting Holes (11), Wall Anchors and Anchoring Hardware Provided by Installer.
- (F) For Optional Electronically Operated Faucets 120VAC, 60Hz, 3A (Max) GFCI Protected, Electrical Receptacle.

GENERAL NOTES:

1. All Dimensions Are In Inches (MM)

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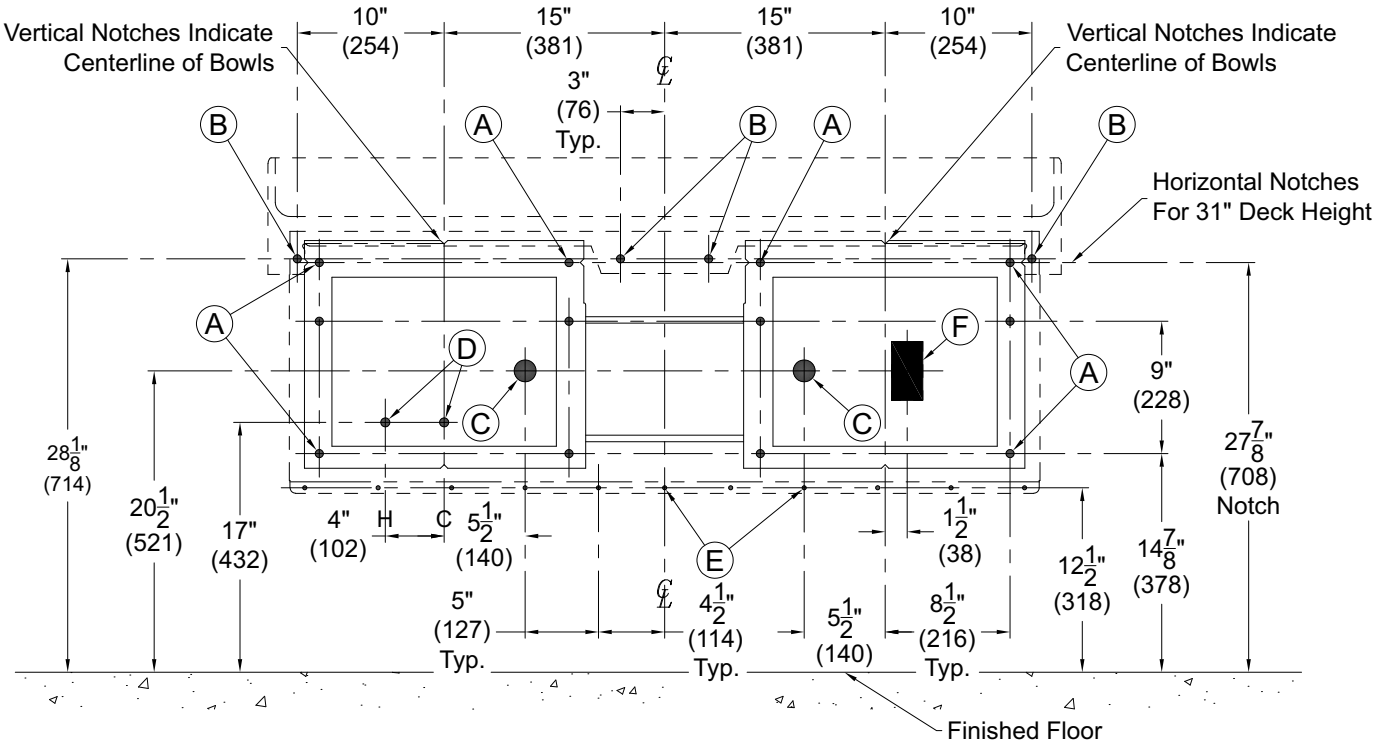
ROUGH-IN DIMENSIONS -ADA AGES 6 THRU 12 YEARS

NOTE: Fixture Weight is approximately 200 LBS (91 KGS) For compatable In-Wall Support Carriers refer to J.R. Smith Model # 0864-3-M31



VIEW FROM FRONT OF FIXTURE

Ⓐ (12) 9/16" Diameter Mounting holes provided. Fasteners and Wall Anchors are provided by others. Installer is to use Industry Standards of Best Practice to suit wall type and construction, weight of fixture and Application.

Ⓑ (4) 9/16" Diameter Mounting holes provided.

Ⓒ 1-1/2" O.D. Tube Lavy Waste Outlet for Compression Joint.

Ⓓ 1/2" NPS Hot & Cold Supplies for Angle Stops (By Others).

Ⓔ 1/4" Diameter Mounting Holes (11), Wall Anchors and Anchoring Hardware Provided by Installer.

Ⓕ For Optional Electronically Operated Faucets120VAC, 60Hz, 3A (Max) GFCI Protected, Electrical Receptacle.

GENERAL NOTES:

1. All Dimensions Are In Inches (MM)

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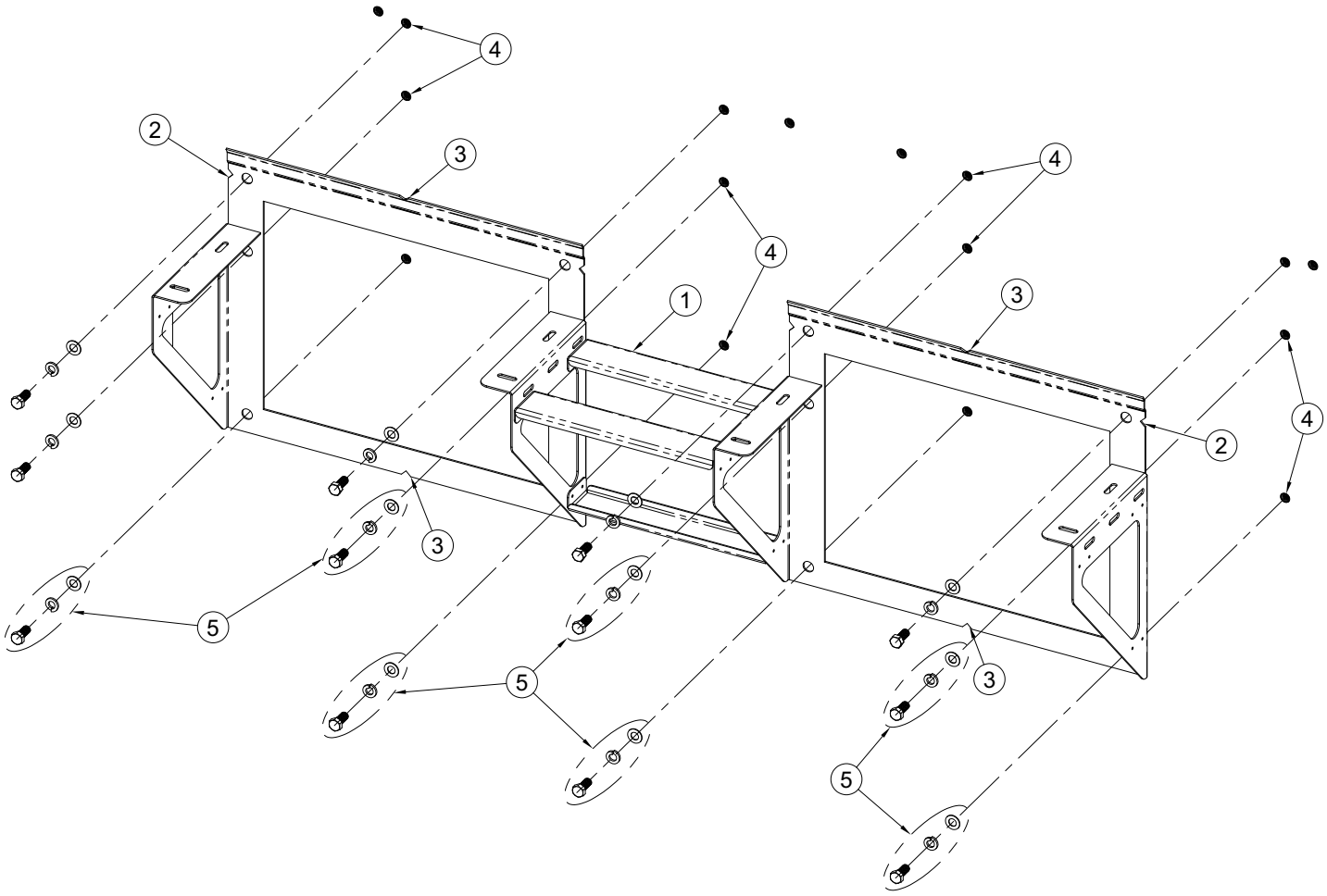
FRAME ANCHORING

1 Strike a horizontal chalk line on finished wall to indicate required deck height, based off dimensional drawing on pages 4 and 5. Strike a vertical chalk line to indicate centerline of basins. Align bottom frame assembly ***1*** horizontal notches ***2*** with horizontal chalk line and vertical ***3*** with vertical chalk lines. Mark for and install wall anchors ***4***, provided by installer (12 places). Anchor bottom frame assembly ***1*** to wall using installer provided 3/8" UNC mounting hardware ***5***.



NOTES:
1- Frame Assembly
2- Horizontal Notched (Rim Height)
3- Vertical Notches (Basin Center Lines)
4- Installer Provided Wall Anchors
5- Installer 3/8" UNC Mounting Hardware

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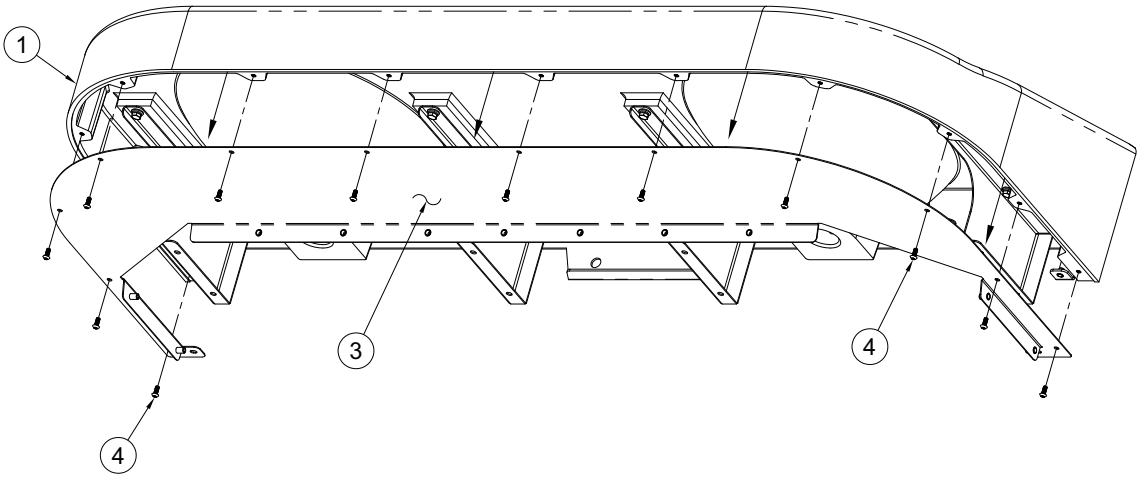
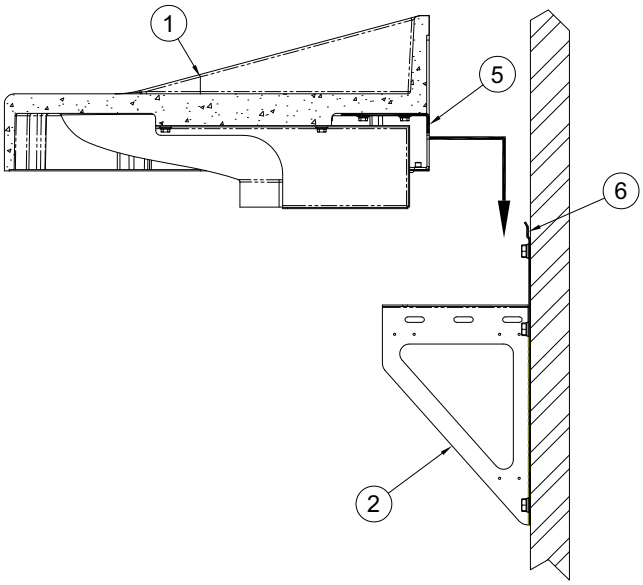
FIXTURE ASSEMBLY

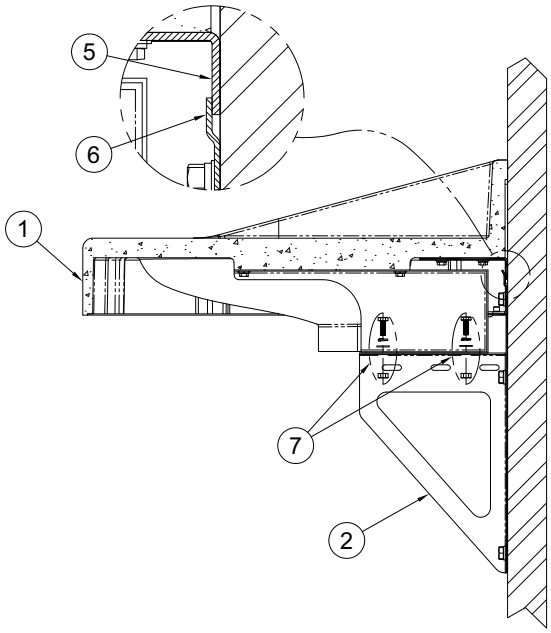
2 Prior to installing the deck ***1*** to the frame ***2*** the bottom cover ***3*** must be removed. Unscrew the #10-32 UNF screws ***4*** and remove bottom cover ***3.*** Locate bottom cover ***2*** and Screws ***3*** in a secure place so they do not get lost or damaged.



HINT: It may be advantages to install deck trim such as faucets, soap dispensers or other accessories prior to wall mounting.

3 Push the Deck Assembly ***1*** against the wall and push down until the Deck Assembly ***1*** rest on top of the Frame Assembly ***2*** and the Deck Angle ***5*** engages into the Frame clip ***6***. Secure Deck Assembly ***1*** to Frame assembly ***2*** using provided 1/4”-20 hardware ***7***. See Details ***A*** and ***B***





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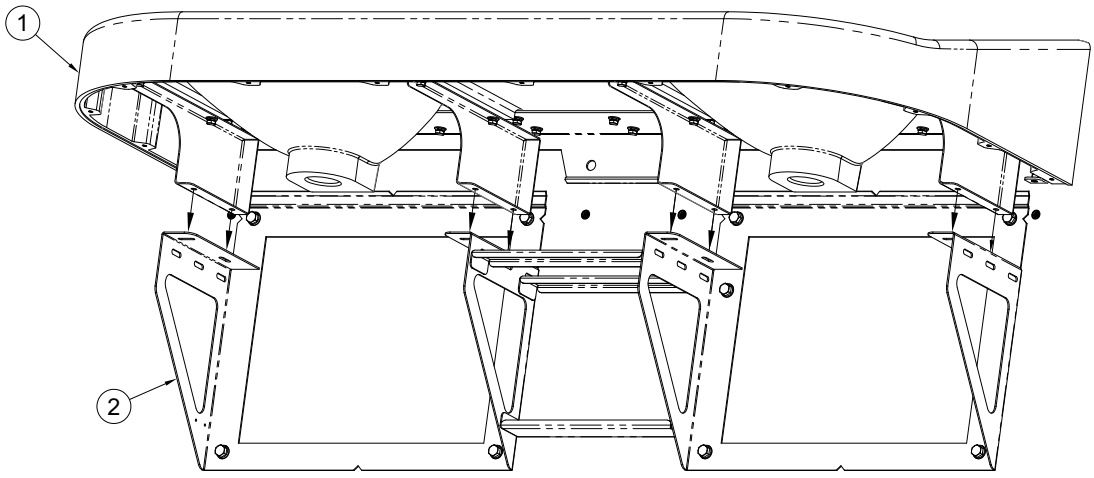
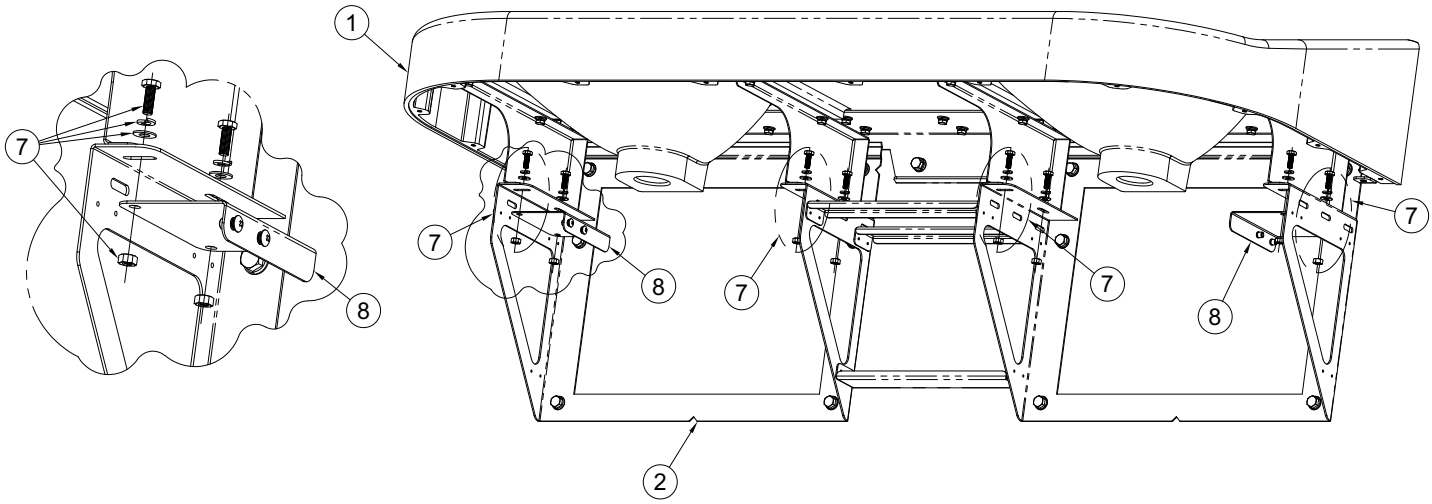
FIXTURE ASSEMBLY

A Push the Deck Assembly ***1*** against the wall and push down until the Deck Assembly ***1*** rest on top of the Frame Assembly ***2.***



HINT: It may be advantages to install deck trim such as faucets, soap dispensers or other accessories prior to wall mounting.

B Secure Deck Assembly ***1*** to Frame assembly ***2*** using provided 1/4”-20 hardware ***7***. While attaching Deck Assembly ***1*** to Frame Assembly ***2*** install Valve Mounting Bracket ***8*** on the end Frame Angles as shown.



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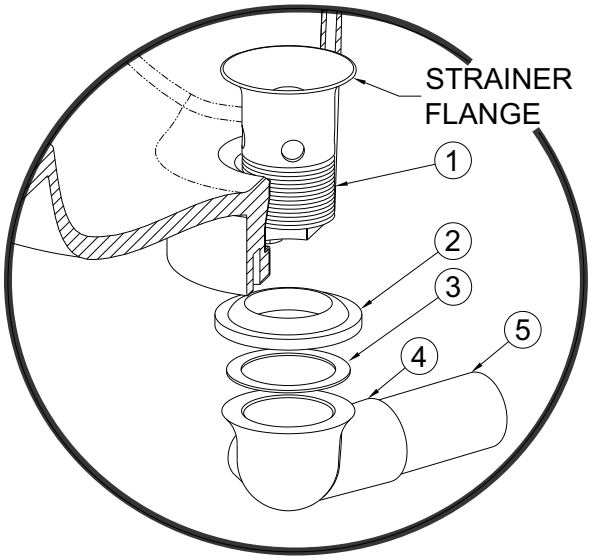
WASTE ASSEMBLY

HINT: Teflon tape is recommended on all threaded waste and supply connections.

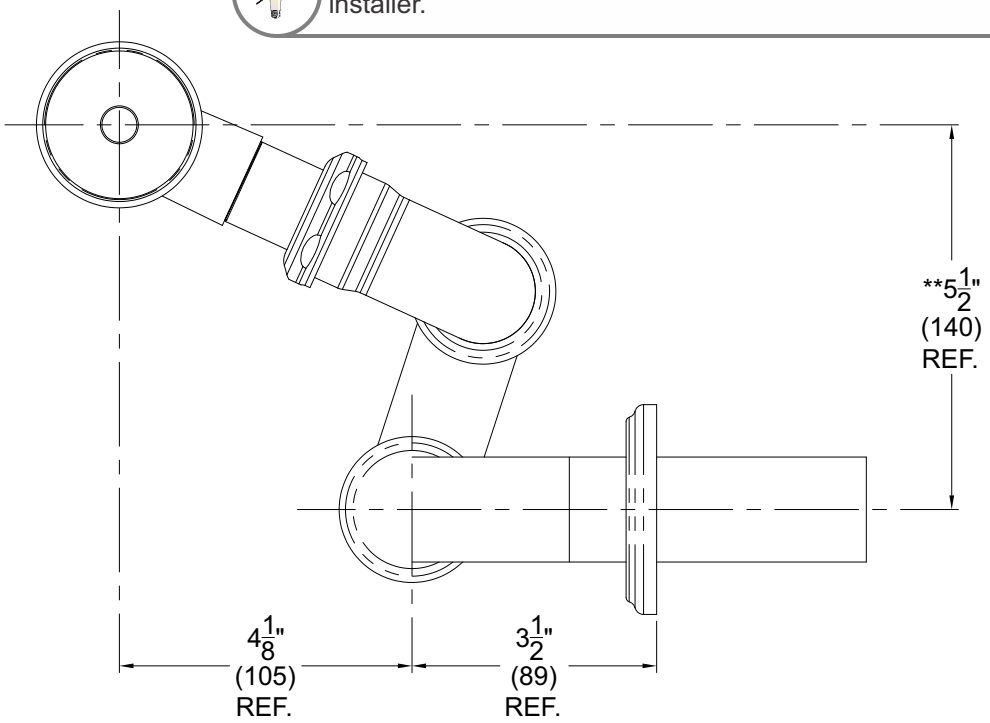


4 Install strainer to basin using plumbers putty on underside of grid strainer flange. From beneath basin, assemble gasket, washer and jam nut as shown to strainer and tighten securely. Add close elbow to strainer assembly as indicated.

① Strainer w/ 1-1/2" -16 UNE Threads
② Rubber Gasket (1) required
③ Flat Fiber Washer (1) required
④ 1-1/2"-16 x 1-1/4" UNI Close Ell with 3/8" NPT Clean-Out Plug
⑤ Waste Outlet Connection

NOTE: Waste Assembly may be provided with Extra items not required in this assembly.

NOTE: Waste assembly may require field cutting and fitting by the installer.



4 Assemble waste piping using TEFLON tape on all threaded connections and make up waste connections to 1-1/2" P-trap.

****LEFT HAND ASSEMBLY SHOWN.** Refer To Rough-in Details For Piping Offset Orientation.

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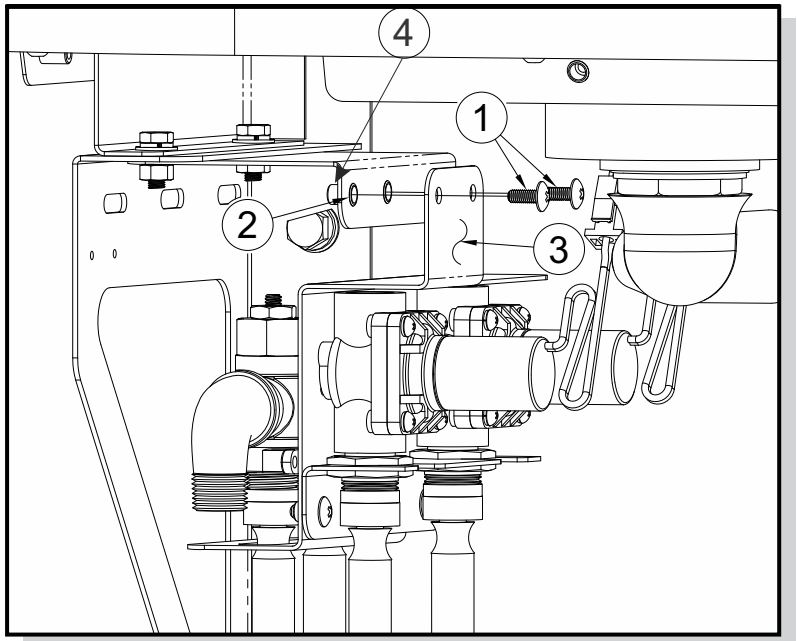
VALVE INSTALLATION
FOR OPTIONAL BEST-CARE® FAUCET

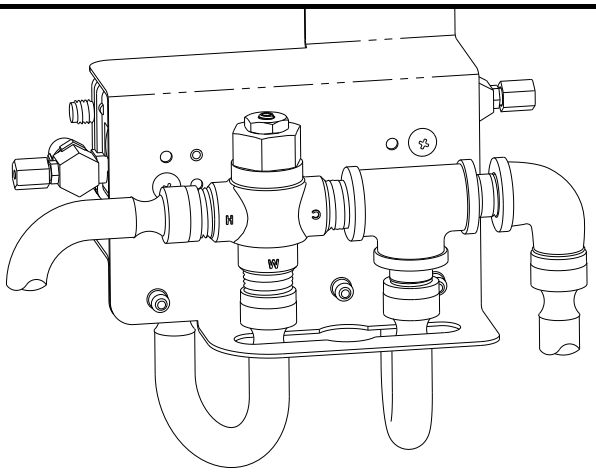
A Remove screws ***1*** from Valve Mounting Bracket ***2***. Hold Valve Assembly ***3*** against Mounting Bracket ***2*** and secure with Screws ***1*** into threaded insert **4**.



IMPORTANT

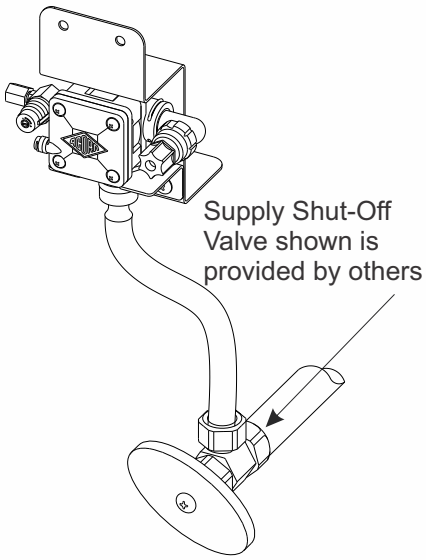
Before making up the supply connections, the supply lines must be flushed of all foreign material such as pipe dope, pipe chips, solder, sand, etc.

DUAL TEMP. WITH MX-TP VALVE



B For MXTP Valve (Hot & Cold), Flush Supply lines. Connect installer provided 1/2" NPS flex hoses to valve.

-03-M SINGLE TEMPERATURE METERING VALVE



C For -ST Single Temperature valves, flush supply line. Connect installer provided 1/2" NPS flex hose to valve.

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VALVE INSTALLATION & ADJUSTMENT

Valve Assembly Installation:

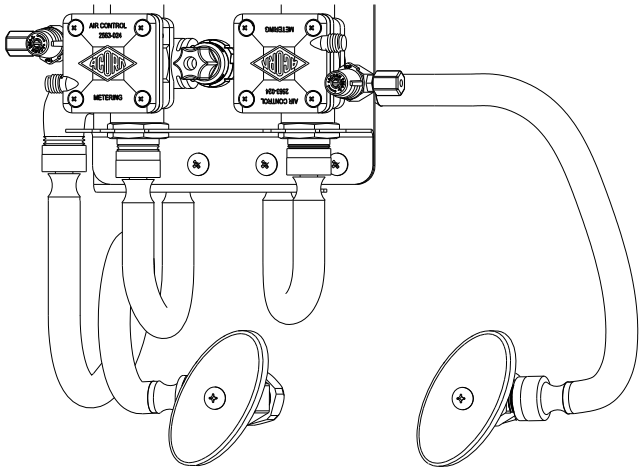
NOTE: Installation should be in accordance with accepted plumbing practices.

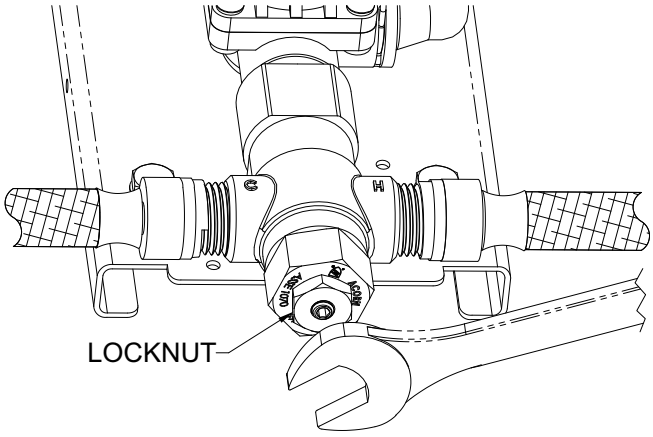
1) Locate suitable place for mounting the valve assembly. Valve assembly should be accessible for service and adjustment and as close to the point-of-use as possible. Wall anchors and anchoring hardware are by others.
2) Connect hot and cold water to supply valve using 1/2" NPTE connections.
3) Connect outlet of tempering valve to spout(s) using 1/4" O.D. tube connections provided.
4) Turn on hot and cold water supplies. If any leaks are observed, hand tighten connections as necessary to stop leaks before proceeding.
5) Turn on fixture and allow water to flow for 2 minutes. Measure water temperature at outlet. If water is not at desired temperature, adjust as necessary.

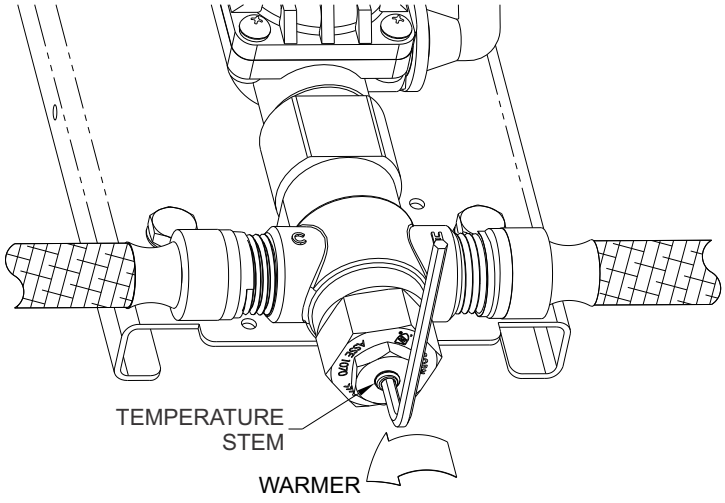
HINT: Angle stops are recommended and is the responsibility of the installer.

IMPORTANT

Flush supply lines of all foreign material such as pipe dope, pipe chips, solder, sand etc. before making up supply connections.







Temperature Adjustment:

NOTE: Factory set temperature is 105º F

1) Loosen locknut.
2) Turn on fixture and run water for at least 2 minutes. Allow supply temperature to stabilize.
3) Turn temperature stem counter-clockwise for hotter or clockwise for colder outlet temperature.
4) Tighten locknut to prevent accidental or unauthorized temperature adjustment.
5) Re-check outlet temperature.

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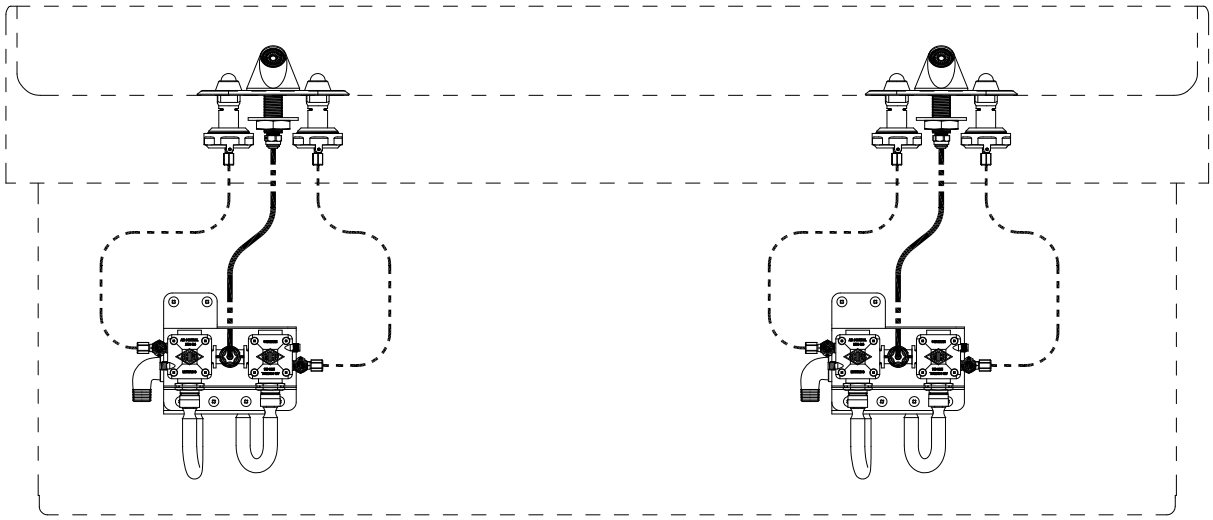
FAUCET CONNECTIONS
FOR OPTIONAL BEST-CARE® FAUCET

NOTE: Shown with optional Best-Care® "***L***" Series Faucet for reference only. Refer to specified Faucet installation details for more information. Valve Assembly locations shown are for schematic only. Refer to installation details for valve placement.

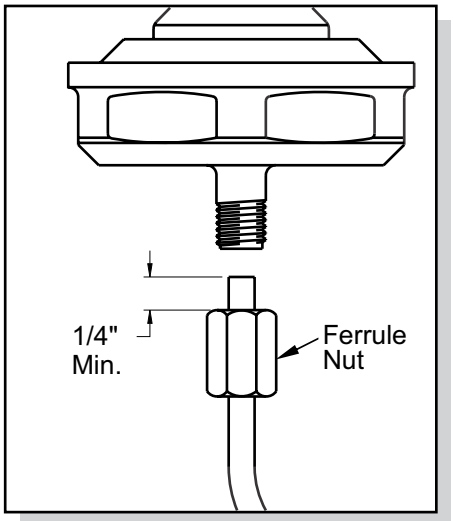


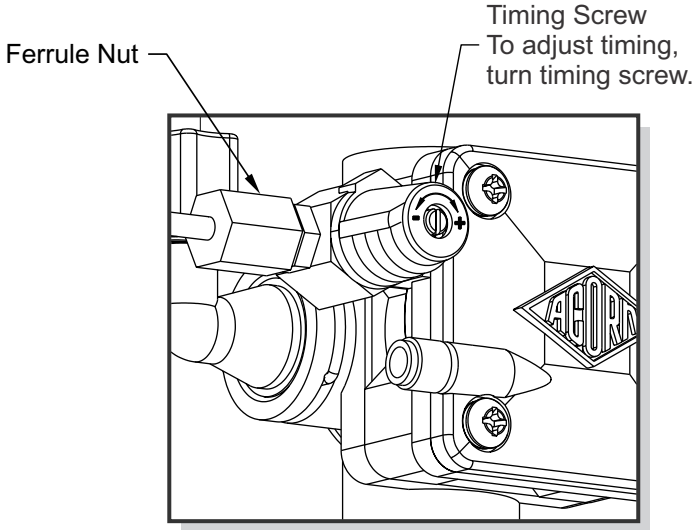
1/8" O.D. AIR TUBE

1/4" O.D. RISER TUBE

IMPORTANT

Leave a minimum 1/4" of polyethylene tubing through the Ferrule Nut on the pushbutton assembly. This is necessary to ensure proper tubing connection.





Turn timing screw clockwise to increase timing.

IMPORTANT

Do not over tighten ferrule nuts.

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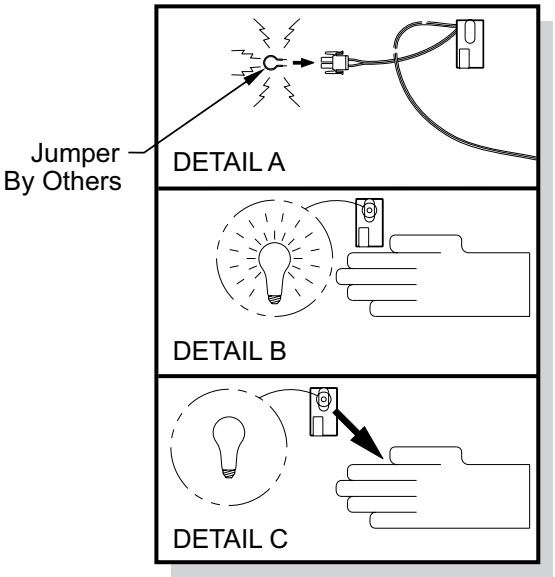
SENSOR OPERATION & CONNECTIONS
FOR OPTIONAL BEST-CARE® FAUCET

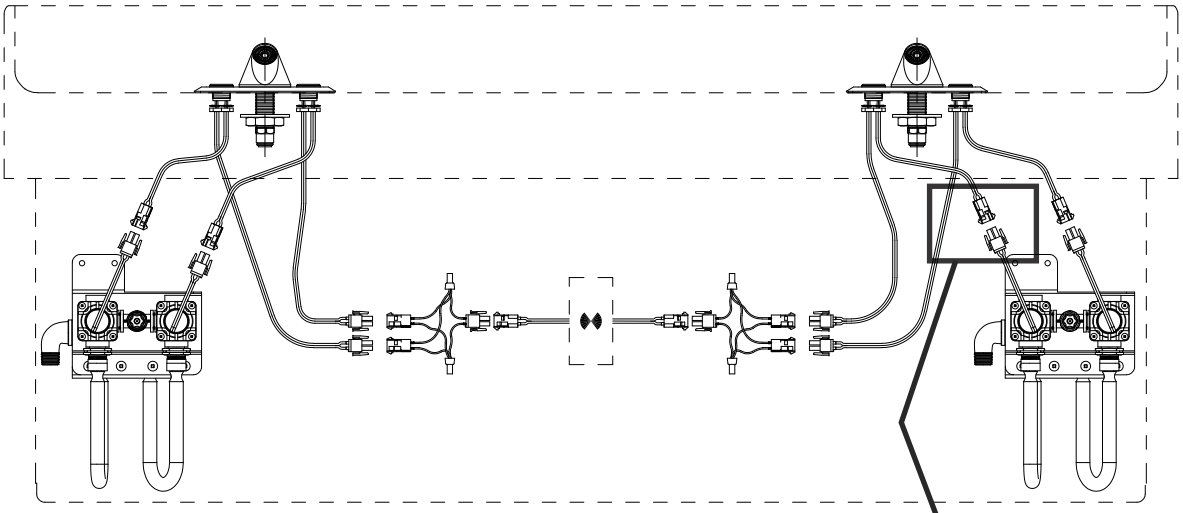
NOTE: Shown with optional Best-Care® "***L***" Series Faucet for reference only. Refer to specified Faucet installation details for more information. Valve Assembly locations shown are for schematic only. Refer to installation details for valve placement.

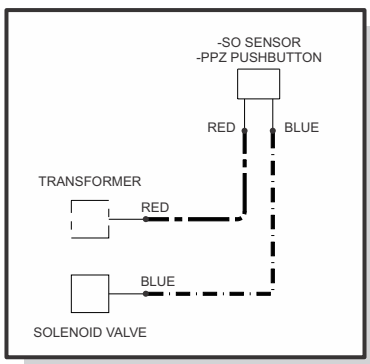
-SO Sensor Operation
Range Adjustment

1. Make sure power supply is disconnected from sensor and make short circuit on red wires. See DETAIL A.
2. Connect power supply to sensor. Red light should be flashing.
3. Move hand in front of sensor to distance of 2" to 4" within 5 seconds and wait until red light flashes quickly.
4. Move hand to desired sensing distance. See DETAIL B.
5. Hold hand at desired sensing distance until red light stops flashing and solenoid activates. See DETAIL C.



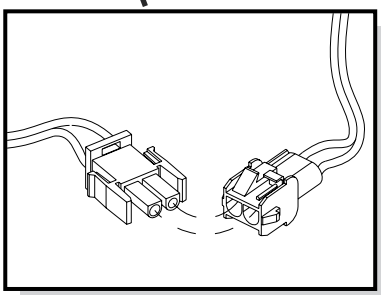
WH3377L-PPZ Programmable Piezo Pushbutton (Shown)





IMPORTANT

Transformer must be plugged into a GFI protected circuit. Fixture must be earth grounded per N.E.C. or applicable codes.



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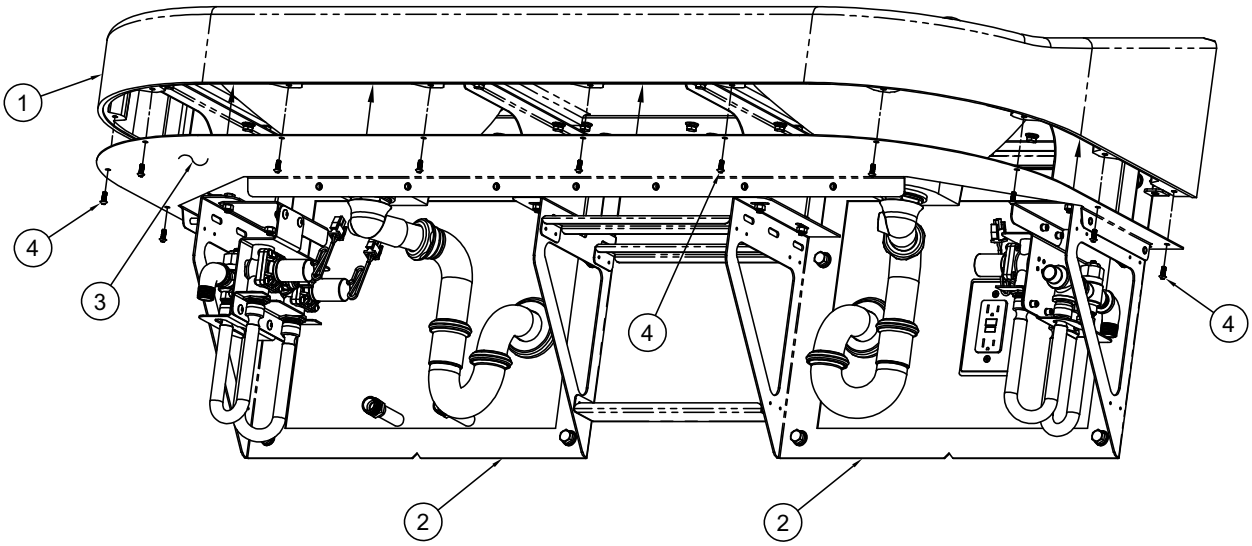
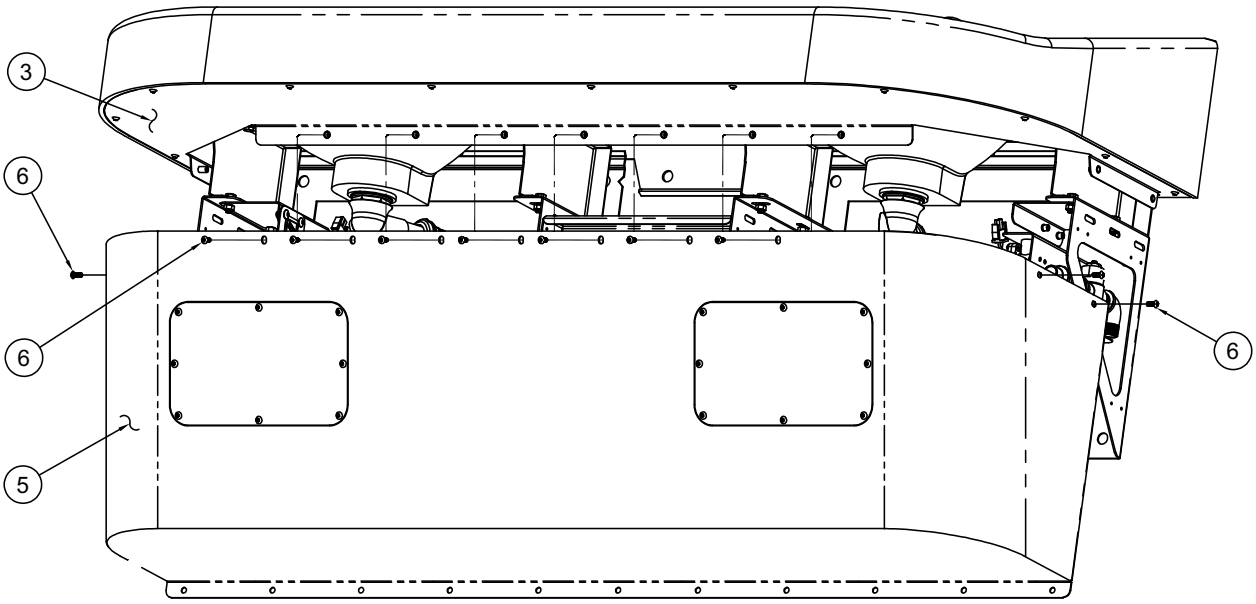
ACCESS PANEL INSTALLATION

5 With Deck ***1*** secured to frame ***2*** re-install bottom Cover ***3*** with #10-32 UNF Screws ***4***.



HINT: Prior to installing Trap Enclosure it is recommended to operate valve and ensure there are no leaks present and everything functions correctly.

6 Install p-trap cover ***5*** using #10-32 x 1/2" center reject hex head screws ***6*** provided. Secure bottom of p-trap cover to wall with anchoring hardware (by others) to suit wall construction.



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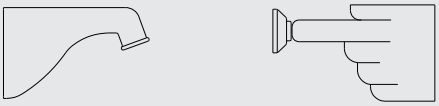
TROUBLE SHOOTING FOR OPTIONAL PUSHBUTTON OPERATED VALVES

Normal Valve Function: Hand pushbutton operated valve has an adjustable flow time from 5 to 60 seconds.

CONDITION: WATER DOES NOT FLOW

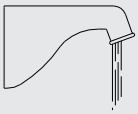


Probable Cause	*Solution*
Water main closed.	Open water main.
Checkstops closed.	Open checkstops.
Debris or scale in checkstop strainer	Remove checkstop strainer and clean.
Air leaks from 1/8” O.D. tubing or fittings.	Replace damaged tubing or fitting.
Pushbutton air diaphragm leaks.	Replace pushbutton air diaphragm.
Servomotor diaphragm center hole is blocked.	Remove blockage.
Servomotor upper diaphragm is damaged.	Replace servomotor upper diaphragm.
Low or no water pressure at supplies.	Increase water pressure to 30 PSI minimum.

CONDITION: WATER DRIPS, WON'T SHUT OFF

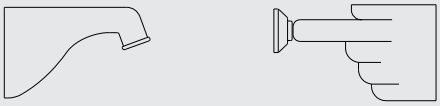
Probable Cause	*Solution*
Servomotor diaphragm offset hole is blocked.	Remove blockage.
Servomotor seat is damage	Replace servomotor seat.
Servomotor plate or diaphragm is obstructed.	Remove cause of obstruction.
Servomotor timer assembly is damaged.	Replace servomotor timer assembly.

CONDITION: REDUCED WATER FLOW



Probable Cause	*Solution*
Valve riser tubing is crimped.	Straighten valve riser tubing.
Debris or scale in checkstop strainer	Remove checkstop strainer and clean.
Blockage in valve flow control.	Remove blockage.
Low water pressure at supplies.	Increase water pressure to 30 PSI minimum.
Lime deposits in hot water pipes.	Remove lime deposits with appropriate cleaning solution.

CONDITION: PREMATURE WATER SHUT OFF



Probable Cause	*Solution*
Air leaks from 1/8" O.D. tubing or fittings.	Replace damaged tubing or fitting.
Pushbutton air diaphragm leaks.	Replace pushbutton air diaphragm.

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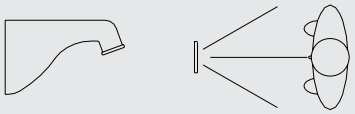
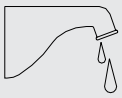
Troubleshooting for 9-Volt DC Sensor Operated Valves

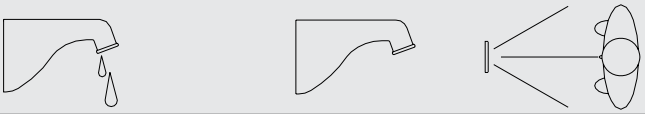
Normal Valve Function: 9-Volt DC sensor operated valve has flow time of 90 seconds maximum. To reactivate, the user must move out of and return to the sensing area.

CONDITION: WATER DOES NOT FLOW 

Indicators	*Probable Cause*	*Solution*
Sensor flashes continuously every 2 seconds when hands are within range.	Low battery warning	Replace battery
Sensor does not flash when the user's hands are within range.	Circuit breaker tripped.	Reset circuit breaker
	Battery completely used up.	Replace battery
	Defective 9V DC transformer	Replace transformer.
	Transformer polarity crossed	Replace transformer (sensor may be damaged and need replacement).
	Unit is in "Security Mode" after 90 seconds of constant detection.	Remove sources of detection and wait 30 seconds before checking.
	Range is too short.	Increase range.
	Range is too long.	Decrease range and wait 30 seconds.
	Sensor is picking up a highly reflective surface.	Eliminate cause of reflection and wait 30 seconds before checking.
	Defective sensor.	Replace sensor.
Sensor flashes once when user's hands are within range.	Stops or water main closed.	Open stops or water main.
	Bad sensor to solenoid connection.	Ensure wires make proper contact.
	Debris or scale in solenoid assembly.	Remove solenoid, pull out plunger and spring, and clean with scale remover solution or pressurized air.
	Debris or scale in diaphragm.	Remove diaphragm and clean
	Debris or scale in strainer.	Remove strainer and clean.

CONDITION: FALSE TRIGGERING; WATER FLOWS CONTINUOUSLY 

Indicators	*Probable Cause*	*Solution*
Sensor flashes when user's hands are within range.	Debris or scale in diaphragm	Remove diaphragm and clean.
	Diaphragm is defective or torn.	Replace diaphragm.
Sensor does not flash when users hands are within range.	Sensor is dirty or covered.	Clean or uncover sensor and wait 30 seconds.
	Range too long or highly reflective surface, sunlight, bright lights etc. are triggering sensor.	Decrease range and wait 30 seconds.
		Eliminate cause of reflection or correct lighting problem.

CONDITION: WATER FLOWS CONTINUOUSLY BUT STOPS WHEN HANDS ARE WITHIN RANGE 

Indicators	***Probable Cause***	***Solution***
Water runs continuously when sensor not activated. Sensor flashes when hands are within range and water shuts off.	Solenoid polarity crossed.	Disconnect solenoid and reverse polarity.

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CARE, CLEANING, AND REPAIR OF CORTERRA SOLID SURFACE

CORTERRA SOLID SURFACE

Acorn's densified solid surface material is composed of recycled solid-surface polymer resin, aluminum trihydrate and fillers. It is resistant to stains, impact and burns and complies with ANSI Z124.3. It is attractive, durable and easy to maintain.

ROUTINE CLEANING

Corterra should be kept clean at all times. If maintained, Corterra surfaces will retain their new, clean appearance indefinitely. Wash with a non-abrasive all purpose cleaner and water, then rinse. Wipe dry. (Never use cleaners with strong chemicals such as toilet bowl cleaners, rust removers, ceramic cook top cleaners, laquer thinners or oven cleaners). To remove persistent stains use a Scotch Brite pad and an abrasive cleaner or a solution of household bleach and water (1 part water to 1 part bleach).

REPAIRING SURFACE DAMAGE

Surface damage, such as minor chips, scratches, burn marks and graffiti can be repaired with a fine grit abrasive cleanser, such as a Scotch-Brite pad or fine grit sandpaper. For more serious physical damage caused by vandals, an Acorn Solid Surface Repair Kit is available. Contact the factory for details. Refer to drawing #9927-160-002.

CARE AND CLEANING OF STAINLESS STEEL SURFACE

NORMAL CLEANING

Clean weekly or more often, as needed (especially high polishing surfaces)

RECOMMENDED CLEANING MATERIALS

- Sponge – natural or artificial
- Nylon or other soft-bristle material brush
- Soft cloth (as used on automobile finishes)

RECOMMENDED CLEANING SOLUTIONS

- Hand dishwashing liquid/soft water solution
- Mild soap/soft water solution
- 3M Stainless Steel Cleaner/Polish
- White vinegar/soft water solution (for brightening, removing oil and hard water deposits)
- CLR Brand Cleanser or baking soda/soft water solution (for brightening, removing hard water deposits)
- Club soda and sponge

FOR HIGH POLISH STAINLESS STEEL

Note: High polish stainless steel surfaces should never come into contact with any abrasive cleaning brush, cloth or cleaning agent.

To remove smudges and fingerprints:

Wipe surfaces with a quality Stainless Steel Cleaner/Polish. Apply using a soft non-abrasive cloth, wipe surfaces with stainless steel cleaner/polish.

To remove rust stains:

Wipe surfaces with CRES (available from Acorn) or equivalent cleaner. Use recommended solutions. Apply using a soft non-abrasive sponge. Rinse surfaces immediately after application. Always follow cleaner product directions provided. Afterwards, using a soft, non-abrasive cloth, wipe surfaces with stainless steel cleaner/polish.

FOR TOUGH PROBLEMS

- CRES Cleaner specifically for rust stains (available from Acorn)
- Tarn-X for general stains
- #7 chrome polish
- Silver polish

To remove stubborn spots or to treat a scratch *(Standard Satin Finish Only)*:

Use of synthetic, abrasive, general-purpose pads such as Scotch Brite is recommended. Apply the stainless steel cleaner/polish to the synthetic, abrasive pads and CAREFULLY rub out spot with cleaner/ polish. Be sure to rub in the direction of the grain! Do not allow steel wool to come in contact with the stainless steel. Steel particles can embed into the stainless steel surface and create rust!

Stainless steel should be kept clean at all times. If maintained, stainless steel surfaces will retain their new, clean, polished appearance indefinitely. To remove water spots or rust spots, stainless steel cleaner/polish on a cloth is recommended.

IF SPOTS ARE STUBBORN OR IF YOU WISH TO TREAT A SCRATCH: synthetic, abrasive, general-purpose pads such as Scotch Brite are recommended. Apply the stainless steel cleaner/polish to the synthetic, abrasive pad and CAREFULLY rub out spot with cleaner/polish. **Be sure to rub in the direction of the grain!** Do not allow steel wool to come in contact with stainless steel. Steel particles can embed into the stainless steel surface and create rust.

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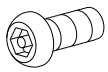
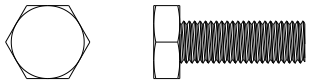
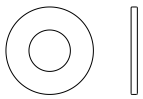
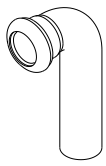
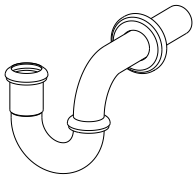
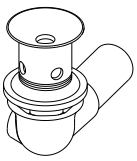
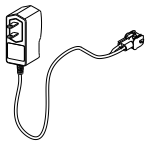
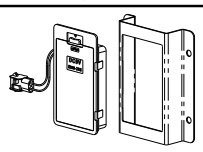
COMPONENTS & REPAIR PARTS

Description	Part No.	Diagram
HARDWARE		
#10-32 x 1/2” White Hex C/R BTN HD Screw (10 Pack)	0112-044-001	
1/4"-20 UNC x 3/4" Hex Head Cap Screw (10 Pack)	0206-008-001	
1/4" Lock Washer (10 Pack)	0337-050-001	
1/4" Flat Washer (10 Pack)	0331-004-001	
COMBINED WASTE ASSEMBLY		
1-1/4” OD Waste Bend Connection	4970-182-000	
1-1/2” OD Tubular P-Trap	4953-001-000	
Ligature Resistant Elbow Strainer	4926-080-001	
ELECTRONIC HARDWARE		
9VDC Plug-In Transformer	0710-735-001	
9 VDC Battery-Pak Assy (6 AA Batteries Not Included) Battery-Pak Mounting Bracket	0710-358-001 6155-013-199	

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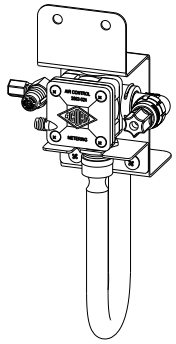
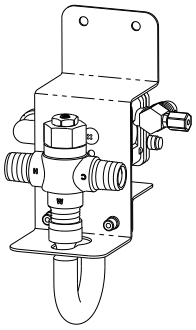
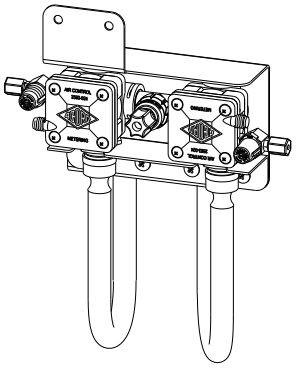
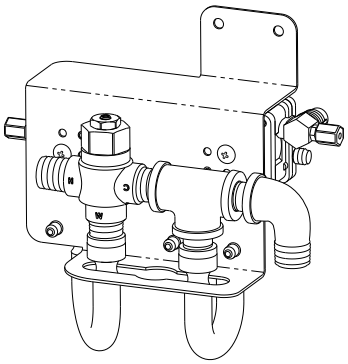
IMPORTANT Certain optional Best-Care® Faucet Parts are included for reference. When specified, refer to selected Faucet Model for additional details.

COMPONENTS & REPAIR PARTS

Description	Part No.	Diagram
VALVE		
-WH3376L Optional -03-M Single Temp, Metering Valve Assembly	2590-900-001	
-WH3376L-MXTP Optional -03-M-MXTP, Single Temp, Temperature-Pressure Balancing Mixing Valve, ASSE 1070 Compliant	2590-901-001	
-WH3377L Optional -04-M Hot & Cold, Metering Valve Assembly	2590-910-001	
-WH3377L-MXTP Optional -04-M-MXTP, Hot & Cold, Temperature-Pressure Balancing Mixing Valve, ASSE 1070 Compliant	2590-911-001	

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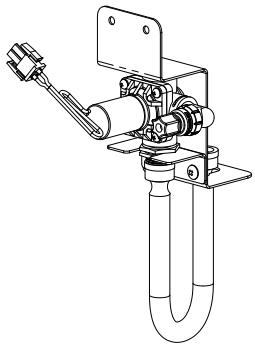
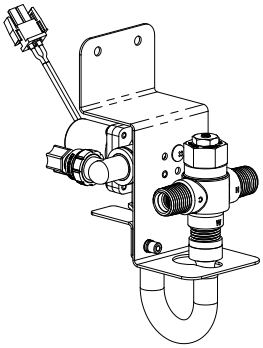
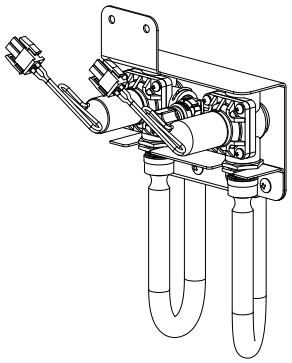
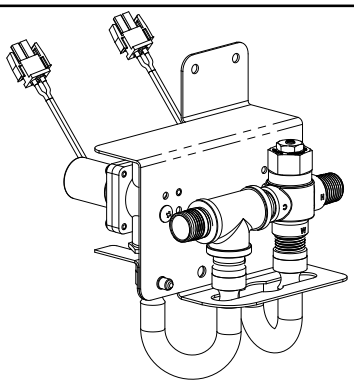
COMPONENTS & REPAIR PARTS

Description	Part No.	Diagram
VALVE		
-WH3377L-PPZ -WH3377L-WSF-SO -WH3375L-WSF-SO Optional Electronic Metering Valve Assembly, Single Temperature	2590-905-001	
-WH3377L-PPZ-MXTP -WH3377L-WSF-SO-MXTP -WH3375L-SO-MXTP Optional Electronic Metering Valve Assembly, Single Temp, Temperature-Pressure Balancing Mixing Valve, ASSE 1070 Compliant	2590-906-001	
-WH3377L-PPZ Optional Electronic Metering Valve Assembly, Hot and Cold	2590-915-001	
-WH3377L-PPZ-MXTP Optional Electronic Metering Valve Assembly, Hot and Cold, Temperature-Pressure Balancing Mixing Valve, ASSE 1070 Compliant	2590-916-001	

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