

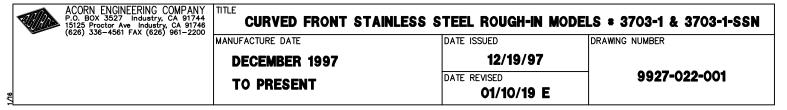
ROUGH-IN FOR THE FOLLOWING:

- FRONT VIEW
- 1- LAVY WASTE OUTLET 1-1/2" O.D. TUBE FOR COMPRESSION JOINT.
- 2- MIXING VALVE INLET 1/2" NPS HOT AND COLD VALVE SUPPLIES.
- 3- MOUNTING LOCATIONS 9/16" DIAMETER MOUNTING HOLES (6) PLACES, 9/16" x 1-1/8" SLOTS (6) PLACES.
- 4- BACKSPLASH MOUNTING (3) "S" TYPE MOUNTING CLIPS. CLIPS HAVE (2) 9/32" x 3/4" SLOTS FOR FASTENERS.
- 5- TRAP COVER MOUNTING (2) MOUNTING BRACKETS. EACH BRACKET HAS (2) 3/8" x 9/16" SLOTS FOR FASTENERS.
- 6- BOTTOM RETURN MOUNTING (3) 8-3/4" "S" TYPE MOUNTING CLIPS WITH (2) 9/32" x 3/4" SLOTS FOR FASTENERS.
- 7- FOR -SO SENSOR OPERATED CONTROLS. PROVIDE 120V/60Hz/3 AMPS(MAX.) ELECTRIC RECEPTACLE TO CONNECT FACTORY SUPPLIED 120 VAC TO 9VDC 100 mA PLUG-IN TRANSFORMER. NOTE: RECEPTACLE MUST BE WIRED TO A GFI PROTECTED CIRCUIT. FIXTURE MUST BE EARTH GROUNDED PER N.E.C. (NATIONAL ELECTRICAL CODE).

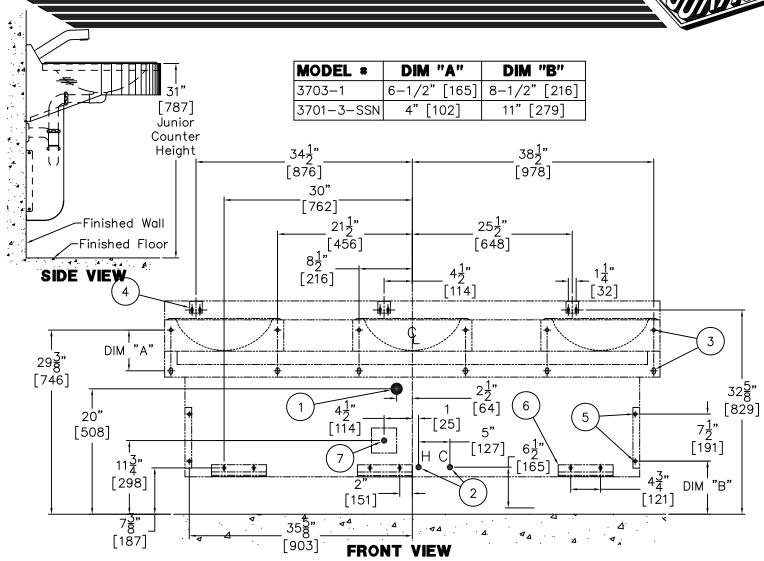
NOTE: THESE INSTRUCTIONS ARE NOT INTENDED FOR INSTALLATION OF UNITS WITH SUFFIX OPTION — EB (ENCLOSED BOTTOM).

INSTALLATION INSTRUCTIONS:

SOME AVAILABLE OPTIONS FOR THIS UNIT MAY ALTER THESE ROUGH—IN INSTRUCTIONS. CONTACT FACTORY FOR DETAILS. UNIT IS INTENDED FOR INSTALLATION ON A FINISHED WALL WITH APPROPRIATE WALL BACKING. 3/8" UNC WALL







ROUGH-IN FOR THE FOLLOWING:

- 1- LAVY WASTE OUTLET 1-1/2" O.D. TUBE FOR COMPRESSION JOINT.
- 2- MIXING VALVE INLET 1/2" NPS HOT AND COLD VALVE SUPPLIES.
- 3- MOUNTING LOCATIONS 9/16" DIAMETER MOUNTING HOLES (2) PLACES, 9/16" x 1-1/8" SLOTS (2) PLACES.
- 4- BACKSPLASH MOUNTING (3) "S" TYPE MOUNTING CLIPS. CLIPS HAVE (2) 9/32" x 3/4" SLOTS FOR FASTENERS.
- 5- TRAP COVER MOUNTING (2) MOUNTING BRACKETS. EACH BRACKET HAS (2) 3/8" x 9/16" SLOTS FOR FASTENERS.
- 6- BOTTOM RETURN MOUNTING (3) 8-3/4" "S" TYPE MOUNTING CLIPS WITH (2) 9/32" x 3/4" SLOTS FOR FASTENERS.
- 7- FOR -SO SENSOR OPERATED CONTROLS. PROVIDE 120V/60Hz/3 AMPS(MAX.) ELECTRIC RECEPTACLE TO CONNECT FACTORY SUPPLIED 120 VAC TO 9VDC 100 mA PLUG-IN TRANSFORMER. NOTE: RECEPTACLE MUST BE WIRED TO A GFI PROTECTED CIRCUIT. FIXTURE MUST BE EARTH GROUNDED PER N.E.C. (NATIONAL ELECTRICAL CODE).

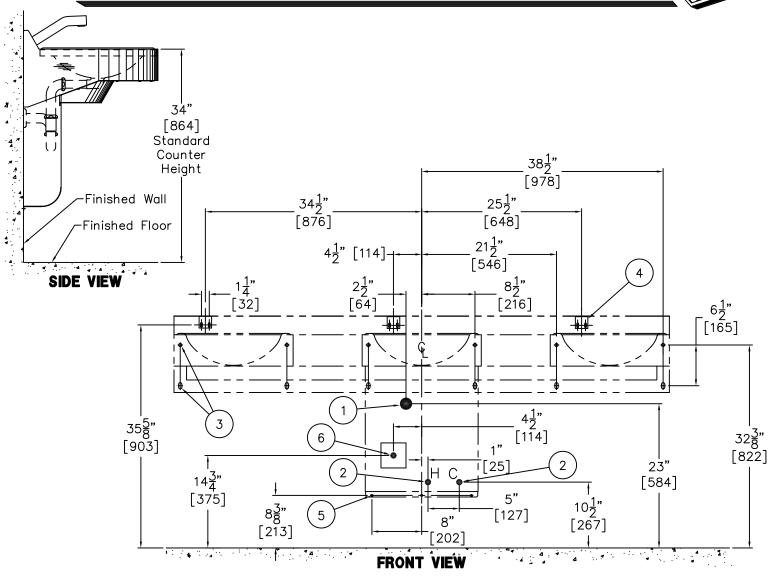
NOTE: THESE INSTRUCTIONS ARE NOT INTENDED FOR INSTALLATION OF UNITS WITH SUFFIX OPTION — EB (ENCLOSED BOTTOM).

INSTALLATION INSTRUCTIONS:

SOME AVAILABLE OPTIONS FOR THIS UNIT MAY ALTER THESE ROUGH—IN INSTRUCTIONS. CONTACT FACTORY FOR DETAILS. UNIT IS INTENDED FOR INSTALLATION ON A FINISHED WALL WITH APPROPRIATE WALL BACKING. 3/8" UNC WALL

46		TO PRESENT	DATE REVISED 01/10/19 D	9927-023-001	
		DECEMBER 1997	06/30/99		
	(010) 000 100 110 (010) 001 1100	MANUFACTURE DATE	DATE ISSUED	DRAWING NUMBER	
	D.O. DOY 7507	CURVED FRONT STAINLESS ST	EEL ROUGH-IN MODELS :	3703-1-JH & 3703-1-SSN-JH	





ROUGH-IN FOR THE FOLLOWING:

- 1- LAVY WASTE OUTLET 1-1/2" O.D. TUBE FOR COMPRESSION JOINT.
- 2- MIXING VALVE INLET 1/2" NPS HOT AND COLD VALVE SUPPLIES.
- 3- MOUNTING LOCATIONS 9/16" DIAMETER MOUNTING HOLES (6) PLACES, 9/16" x 1-1/8" SLOTS (6) PLACES.
- 4- BACKSPLASH MOUNTING (3) "S" TYPE MOUNTING CLIPS. CLIPS HAVE (2) 9/32" x 3/4" SLOTS FOR FASTENERS.
- 5- TRAP ENCLOSURE FLANGE MOUNTING 7/32" x 3/8" SLOTS (3) PLACES.
- 6- FOR -SO SENSOR OPERATED CONTROLS. PROVIDE 120V/60Hz/3 AMPS(MAX.) ELECTRIC RECEPTACLE TO CONNECT FACTORY SUPPLIED 120 VAC TO 9VDC 100 mA PLUG-IN TRANSFORMER. NOTE: RECEPTACLE MUST BE WIRED TO A GFI PROTECTED CIRCUIT. FIXTURE MUST BE EARTH GROUNDED PER N.E.C. (NATIONAL ELECTRICAL CODE).

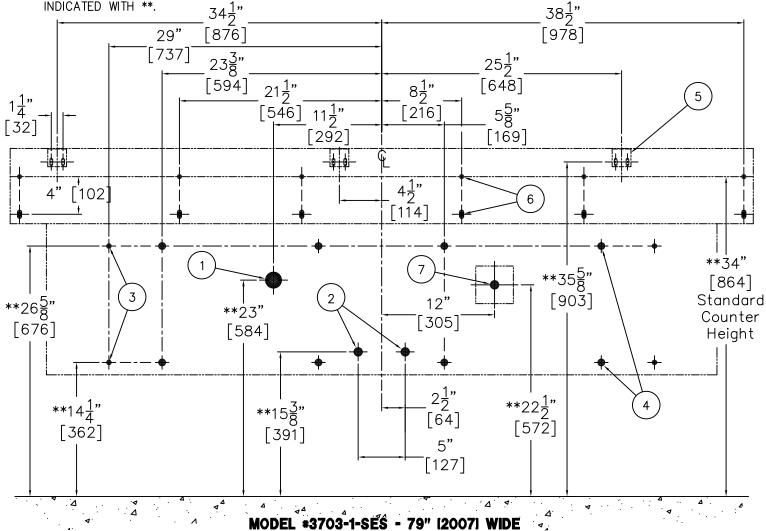
INSTALLATION INSTRUCTIONS:

SOME AVAILABLE OPTIONS FOR THIS UNIT MAY ALTER THESE ROUGH—IN INSTRUCTIONS. CONTACT FACTORY FOR DETAILS. UNIT IS INTENDED FOR INSTALLATION ON A FINISHED WALL WITH APPROPRIATE WALL BACKING. 3/8" UNC WALL

ACORN ENGINEERING CO P.O. BOX 3527 Industry, C 15125 Proctor Ave Industry, (626) 336-4561 FAX (626) 8	CURVED FRONT STN.	STL. ROUGH-IN MODEL # 3703	-1-EB (ENCLOSED BOTTOM)
(===, === ,== ,==, ==, ==, ==, ==, ==, =	MANUFACTURE DATE	DATE ISSUED	DRAWING NUMBER
	DECEMBER 1997	12/29/97	
ω.	TO PRESENT	DATE REVISED 01/10/19 E	9927-024-001
3		31/10/10 L	

NOTE: UNITS WITH 34" STANDARD HEIGHT COUNTERTOP MEET ANSI, UFAS, AND ADA ACCESSIBILTY REQUIREMENTS. REFER TO APPLICABLE GUIDELINES FOR COMPLETE INSTALLATION REQUIREMENTS.

FOR UNITS WITH RIM HEIGHTS OTHER THAN STANCDARD, SUBTRACT DIFFERENCE FROM ALL VERTICAL DIMENSIONS

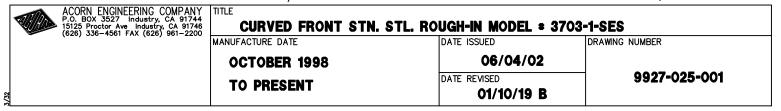


ROUGH-IN FOR THE FOLLOWING:

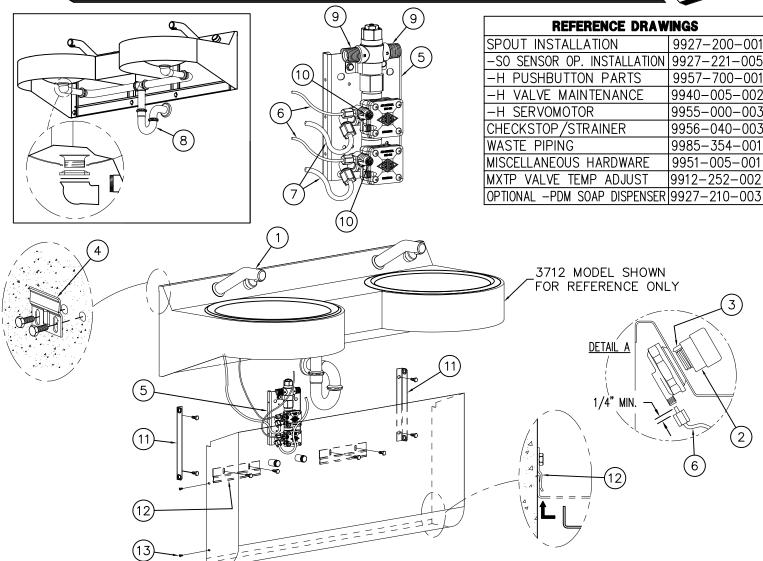
- 1- LAVY WASTE OUTLET 1-1/2" O.D. TUBE FOR COMPRESSION JOINT.
- 2- MIXING VALVE INLET 1/2" NPS HOT AND COLD VALVE SUPPLIES.
- 3- OPTIONAL ANCHORING 9/16" DIA. MOUNTING HOLES (4) PLACES. 3/8" UNC MOUNTING HARDWARE RECOMMENDED.
- 4- PRIMARY ANCHORING 9/16" DIA. MOUNTING HOLES (8) PLACES. 3/8" UNC MOUNTING HARDWARE RECOMMENDED.
- 5- BACKSPLASH MOUNTING (3) "S" TYPE MOUNTING CLIPS. CLIPS HAVE (2) 9/32" x 3/4" SLOTS FOR FASTENERS.
- 6- LAVATORY ANCHORING (6) 9/16" DIA. UPPER MOUNTING HOLES AND (6) 9/16" x 1-18" LOWER MOUNTING HOLES.
- 7- FOR -SO SENSOR OPERATED CONTROLS. PROVIDE 120V/60Hz/3 AMPS(MAX.) ELECTRIC RECEPTACLE TO CONNECT FACTORY SUPPLIED 120 VAC TO 9VDC 100 mA PLUG-IN TRANSFORMER. NOTE: RECEPTACLE MUST BE WIRED TO A GFI PROTECTED CIRCUIT. FIXTURE MUST BE EARTH GROUNDED PER N.E.C. (NATIONAL ELECTRICAL CODE).

INSTALLATION INSTRUCTIONS:

SOME AVAILABLE OPTIONS FOR THIS UNIT MAY ALTER THESE ROUGH—IN INSTRUCTIONS. CONTACT FACTORY FOR DETAILS. UNIT IS INTENDED FOR INSTALLATION ON A FINISHED WALL WITH APPROPRIATE WALL BACKING. 3/8" UNC WALL







INSTALLATION INSTRUCTIONS:

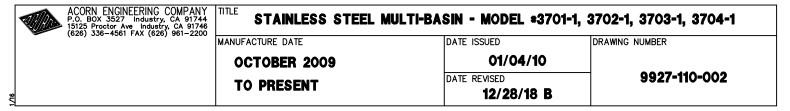
NOTE, SOME AVAILABLE OPTIONS MAY AFFECT INSTALLATION. REFER TO ALL INSTALLATION SHEETS FOR SPECIFIED OPTIONS BEFORE PROCEEDING.

- A- PROVIDE REQUIRED ROUGH-INS AND INSTAL WASHBASIN SUPPORT FRAME AS DETAILED ON APPROPRIATE DRAWINGS.
- B- INSTALL SPOUTS (1) AND PUSHBUTTONS (2) TO FIXTURE. ALIGN ANTI-ROTATION PIN (3) WITH SPOUT PUNCHING SLOT BEFORE TIGHTENING. SEE DETAIL 'A'.
- C- ANCHOR S-CIPS (4) TO WALL AND POSITION FIXTURE BACKSPLASH OVER JOGGLE ON S-CLIPS.
- D- ANCHOR VALVE (5) TO WALL WHERE NOTED ON ROUGH-IN SHEET. CONNECT 1/8" O.D. AIR LINES (6) TO PUSHBUTTONS (2) AND TO AIR-CONTROL VALVE ASSEMBLY (5) BY HAND TIGHTENING THE FERRULE NUTS PROVIDED. SEE DETAIL 'A'. CONNECT 1/4" O.D. WATERLINES (7) FROM SPOUTS (1) TO VALVE (5) & WATERTIGHT WITH FERRULE NUTS PROVIDED.

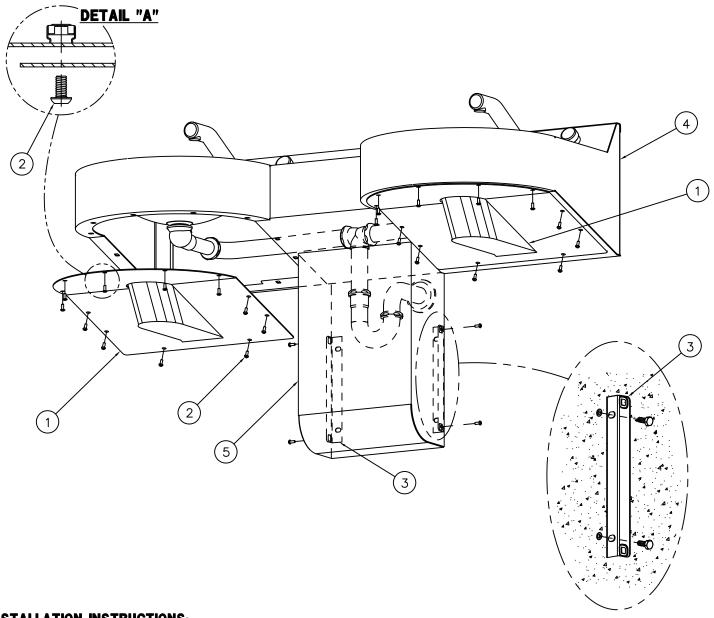
NOTE

MAXIMUM RECOMMENDED WORKING WATER PRESSURE IS 100 PSI; TEMPERATURE IS 130°F; OUTLET TEMPERATURE IS RECOMMENDED AT A MAXIMUM OF 105°F. PRIOR TO MAKING INSTALLATION, SUPPLY LINES MUST BE FLUSHED OF ALL FOREIGN MATERIAL SUCH AS PIPE DOPE, CHIPS, ETC. VALVE MUST BE DRAINED PRIOR TO BEING SUBJECTED TO FREEZING TEMPERATURES.

- E- ASSEMBLE WASTE PIPING (8) PROVIDED AND MAKE UP LAVY WASTE CONNECTION (1-1/2" O.D. COMPRESSION). SEE APPROPRIATE REFERENCE DRAWING FOR PARTS.
- F- AFTER THOROUGHLY FLUSHING SUPPLY LINES, MAKE UP CONNECTIONS FROM 1/2" NPTE VALVE INLETS (9) TO SUPPLY STUB OUTS. CONNECTOR HOSES AND SUPPLY STUB OUTS PROVIDED BY THE INSTALLER.
- G- TURN ON WATER SUPPLY. CHECK FOR LEAKS ON VALVE (5) & ADJUST TIMERS (10) TO OBTAIN DESIRED CYCLE DURATION.
- H- ANCHOR "L" BRACKETS (1) AND S-CLIP BRACKETS (2) TO WALL. MOUNT TRAP ENCLOSURE TO BRACKETS WITH VANDAL RESISTANT FASTENERS (3) PROVIDED.







INSTALLATION INSTRUCTIONS:

- A- REMOVE BOTTOM ENCLOSURES ① BY UNSCREWING BUTTON HEAD SCREWS ② . SEE DETAIL "A".
- B- REFERENCE DRAWING #9927-110-002 FOR WASHBASIN (4) MOUNTING AND CONNECTIONS.
- C- ANCHOR BRACKETS ③ TO WALL. FASTENERS AND ANCHORS BY OTHERS.
- D- ASSEMBLE -EB ENCLOSED BOTTOM:

3701/3703 MODELS ONLY:

MOUNT THE ONE PIECE TRAP/BOTTOM ENCLOSURE TO WASHBASIN (4).

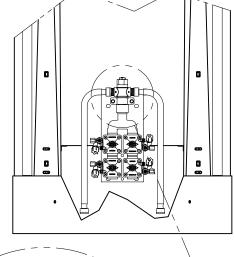
3702/3704 MODELS ONLY:

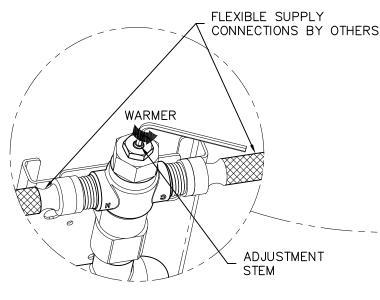
ASSEMBLE TRAP ENCLOSURES (5) TO BRACKETS (3) WITH SCREWS PROVIDED. REASSEMBLE BOTTOM ENCLOSURES (1) TO WASHBASIN (4).

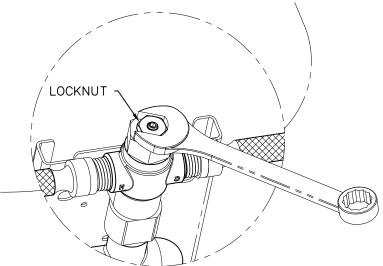
	ACORN ENGINEERING COMPANY P.O. BOX 3527 Industry, CA 91744 15125 Proctor Ave Industry, CA 91746 (626) 336-4561 FAX (626) 961-2200	CURVED FRONT ENCLOSED BO	OTTOM ASSYCAT. *3	701/3702/3703/3704 -1 -EB
		MANUFACTURE DATE	DATE ISSUED	DRAWING NUMBER
		AUGUST 1997	11/26/97	
/64		TO PRESENT	DATE REVISED 12/28/18 D	9927-115-001



REFERENCE DRAWINGS							
REPAIR PARTS	DRAWING						
NON-METERING SERVOMOTOR (-F)	9955-001-003						
METERING SERVOMOTOR (-H)	9955-000-003						
AIR-CONTROL VALVE BODY	9975-090-001						
CHECKSTOP (-ST Single Temp. Only)	9956-040-003						
SENSOR/SOLENOID (-SO) (24VAC)	9955-015-002						
SENSOR/SOLENOID/PPZ (-SO) (9VDC)	9955-019-002						
HAND BUTTON	9957-300-001						
FOOT BUTTON	9957-200-001						







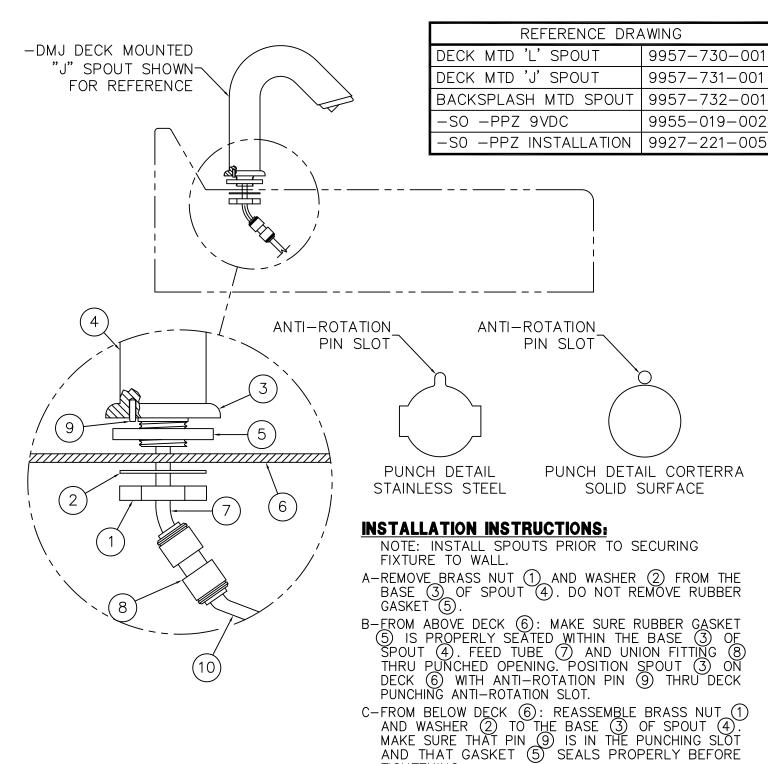
VALVE INSTALLLATION:

- A- MX-T/P VALVES: AFTER THOROUGHLY FLUSHING SUPPLY LINES, MAKE UP CONNECTIONS TO SUPPLY STUB OUTS AND VALVE INLETS WITH INSTALLER PROVIDED FLEXIBLE HOSE. NOTE: MX-T/P VALVE SUPPLY INLETS ARE 1/2" NPTE.
- B- OPTIONAL -ST (Single Temp): AFTER THOROUGHLY FLUSHING SUPPLY LINE, MAKE UP CONNECTION TO SUPPLY STUB OUT AND VALVE INLET WITH FLEXIBLE HOSE PROVIDED. NOTE: -ST VALVES INCLUDE FLEXIBLE HOSE WITH 1/2" NPSI CONNECTIONS. FLEXIBLE HOSE ENDS WILL ACCOMMODATE 1/2" NPT MALE ADAPTER.
- C- SEE APPROPRIATE SERVOMOTOR REFERENCE DRAWINGS FOR VALVE DETAILS AND TIMING INSTRUCTIONS.

MX T/P TEMPERATURE VALVE ADJUSTMENT

- D- LOOSEN LOCKNUT SHOWN.
- E- TURN ON FIXTURE AND RUN WATER FOR AT LEAST 2 MINUTES. ALLOW WATER TO STABILIZE.
- F- USE AN 1/8" ALLEN WRENCH TO TURN ADJUSTMENT STEM COUNTER-CLOCKWISE FOR WARMER OR CLOCKWISE FOR COOLER OUTLET WATER TEMPERATURE.
- G- TIGHTEN LOCKNUT TO PREVENT ACCIDENTAL OR UNAUTHORIZED TEMPERATURE ADJUSTMENT.
- H- RE-CHECK OUTLET TEMPERATURE.

*	ACORN ENGINEERING COMPANY P.O. BOX 3527 Industry, CA 91744 15125 Proctor Ave Industry, CA 91746 (626) 336-4561 FAX (626) 961-2200	VALVE INSTALL & MIXING VALVE ADJUSTMENT					
	. ,	MANUFACTURE DATE	DATE ISSUED	DRAWING NUMBER			
		MARCH 2014	03/25/14				
		TO PRESENT	DATE REVISED	9912-252-002			
3/32							

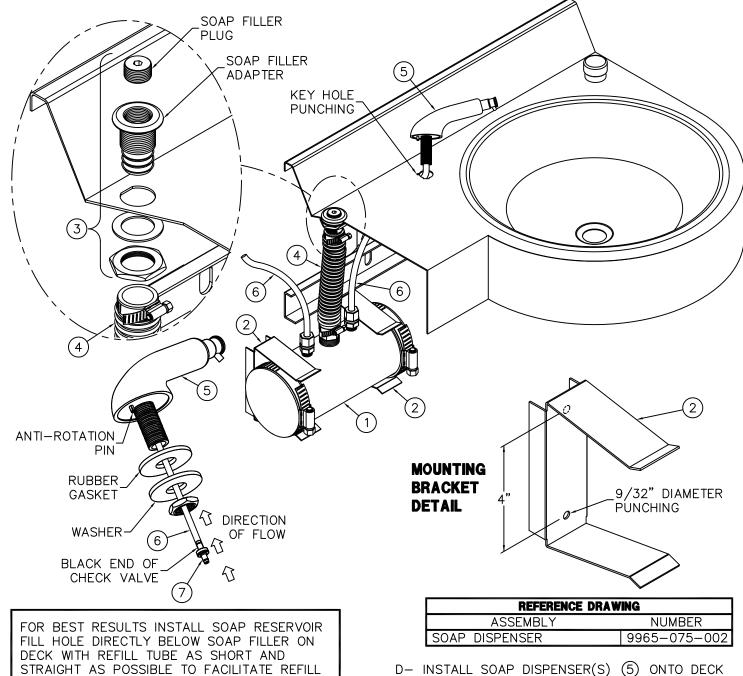


MORRIS GROUP 15125 Proctor Ave In INTERNATIONAL (626) 336-4561 FAX		TYPICAL SPOU	T INSTALLATION DETAIL	
INTERNATIONAL (626) 336-4561 FAX	(626) 961-2200 MANUF	ACTURE DATE	DATE ISSUED	DRAWING NUMBER
	JU	ILY 1997	11/26/97	
7/64	TO	PRESENT	DATE REVISED 03/25/14	9927-200-001 F

TIGHTENING.

D-CONNECT POLYETHYLENE 1/4" O.D. WATER LINE (1) TO UNION FITTING (8) WATERTIGHT WITH THE FERRULE NUT PROVIDED. REFER TO THE GENERAL INSTALLATION

INSTRUCTIONS FOR ADDITIONAL DETAILS.



A- INSTALL SOAP RESERVOIR (1) TO WALL INSIDE THE TRAP ENCLOSURE USING THE MOUNTING BRACKETS (2) PROVIDED. WALL ANCHORS AND FASTENERS ARE BY OTHERS.

OF SOAP WITHOUT BACKUP OR OVERFLOW.

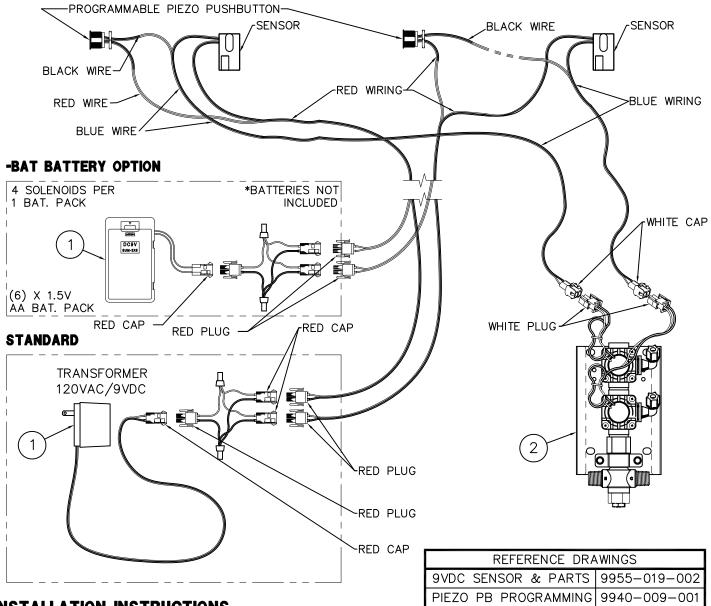
- B- INSTALL SOAP FILLER ASSEMBLY (3) TO DECK.
- C- ATTACH THE 1-1/4" O.D. REFILL TUBE (4) TO SOAP FILLER ASSEMBLY (3) & SOAP RESERVOIR (1) WITH THE HOSE CLAMPS PROVIDED.
- D- INSTALL SOAP DISPENSER(S) (5) ONTO DECK BY ALIGNING ANTI-ROTATION PIN WITH KEY HOLE. NOTE THAT GASKET AND WASHER ARE LOCATED BENEATH THE DECK.
- E- ATTACH THE 3/8" O.D. TUBING (6) TO THE DISPENSER(S) (5) & RESERVOIR (1).

 NOTE: CHECK VALVE(S) (7) MUST BE FIELD SPLICED INTO TUBING (6) & INSTALLED WITH RESPECT TO DIRECTION OF FLOW.
- F- TO FILL SOAP RESERVOIR, REMOVE THE FILLER PLUG FROM THE SOAP FILLER ADAPTER. SLOWLY POUR SOAP DOWN OPENING AND REPLACE PLUG.

P.O. BOX 3527 Industry, CA 91744 MORRIS GROUP 15125 Proctor Ave Industry, CA 91746	-PDM SOAP DISPENSER INST	ALLATION DETAIL	
INTERNATIONAL (626) 336-4561 FAX (626) 961-2200	MANUFACTURE DATE	DATE ISSUED	DRAWING NUMBER
	JUNE 2001	08/24/01	
755	TO PRESENT	DATE REVISED 06/22/04	9927-210-003



TWO STATION WIRING DIAGRAM SHOWN



- **INSTALLATION INSTRUCTIONS:**
- A- USING APPROPRIATE INSTALLATION INSTRUCTIONS, MOUNT FIXTURE TO WALL AND MAKE-UP WASTE PIPING CONNECTIONS. SENSOR OR ELECTRONIC PUSHBUTTON ARE FACTORY INSTALLED. POWER SUPPLY (1) AND VALVE (2) SHIPPED LOOSE.
- B- INSTALL SOLENOID VALVE ASSEMBLY ② ON THE WALL (FASTENERS AND WALL ANCHORS BY OTHERS), MAKING SURE THAT THE VALVE WILL BE WITHIN BOTTOM ENCLOSURE.
- C- CONNECT WATER SUPPLY (AFTER FLUSHING LINES) TO VALVE, AND VALVE RISER TO SPOUTS AS PER UNIT INSTALLATION INSTRUCTIONS.

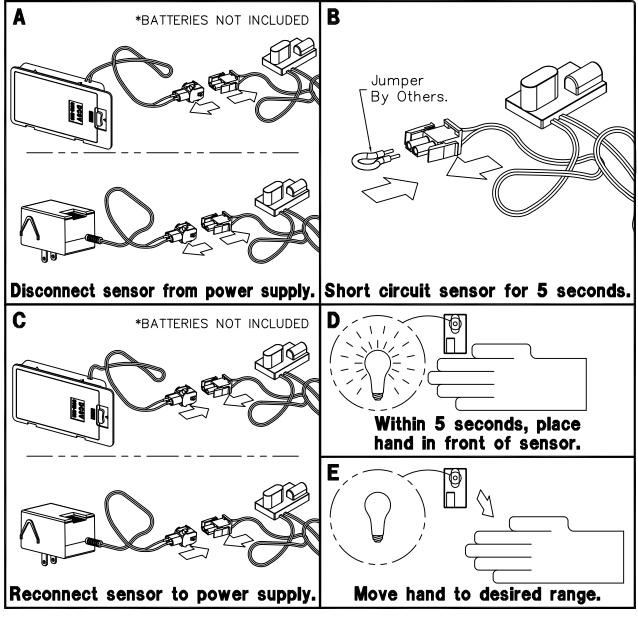
- D-CONNECT SOLENOID VALVE, POWER SUPPLY AND SENSOR WIRING AS SHOWN ON DETAIL.
- E-COMPLETE THE INSTALLATION OF THE UNIT ACCORDING TO THE UNITS INSTALLATION INSTRUCTIONS.

NOTE:

- 1- PLUG-IN TRANSFORMER INCLUDES BUILT-IN SECONDARY FUSE. IN THE EVENT OF POWER SURGE TRANSFORMER MAY REQUIRE REPLACEMENT.
- 2— ELECTRICAL RECEPTACLE MUST BE WIRED TO A GFI PROTECTED CIRCUIT. FIXTURE MUST BE EARTH GROUNDED PER N.E.C. (NATIONAL ELECTRICAL CODE).

	ACORN ENGINEERING COMPANY P.O. BOX 3527 Industry, CA 91744 15125 Proctor Ave Industry, CA 91746 (626) 336-4561 FAX (626) 961-2200	-SO SENSOR/ -PP2	Z PIEZO ELECTRONIC PUSHBUTT	ON INSTALLATION
	. , , , , , , , , , , , , , , , , , , ,	MANUFACTURE DATE	DATE ISSUED	DRAWING NUMBER
		OCTOBER 2009	09/06/13	
1/32		TO PRESENT	DATE REVISED 03/25/14	9927-221-005





NOTE: THESE INSTRUCTIONS ONLY APPLY TO 9 VOLT SENSORS THAT DO NOT HAVE A RANGE ADJUSTMENT SCREW ON THE BACK. SEE DRAWING # 9927-222-001.

INSTRUCTIONS:

- A— Disconnect sensor from power supply.
- B— Create a short circuit between the positive and negative connections on the sensor for five seconds. **WARNING:** Do not create a short circuit on the power supply or while the sensor is connected to the power supply.
- C- Reconnect the sensor to the power supply.

- D— Within 5 seconds of making the connection, place hand 2 to 4 inches from the sensor.
- E— Once red light begins flashing quickly, move hand to preferred distance and wait for light to stop flashing.
- F— Check distance. If unsatisfactory, repeat steps A through E.

	MORRIS GROUP INTL P.O. BOX 3527 Industry, CA 91744 INTERNATIONAL (626) 336—4561 FAX (626) 961–2200	9 VOLT DC SENSOR RANGE	ADJUSTMENT	
-	INTERNATIONAL (626) 336-4561 FAX (626) 961-2200	MANUFACTURE DATE	DATE ISSUED	DRAWING NUMBER
		SEPTEMBER, 2001	09/06/01	
*		TO PRESENT	DATE REVISED 02/18/14	9927-222-002

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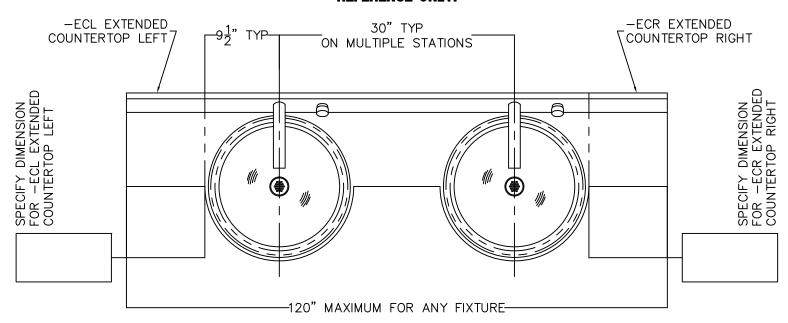
3701 UNI-BASIN QUANTITY:	ECL	ECR
3702 DUAL-BASIN QUANTITY:	ECL	ECR
3703 TRI-BASIN QUANTITY:	ECL	ECR
3704 QUAD BASIN QUANTITY:	ECL	ECR

STANDARD WIDTHS *LESS -ECL/-ECR

3701 UNI-BASIN	19"
3702 DUAL-BASIN	49"
3703 TRI-BASIN	79"
3704 QUAD-BASIN	109"

SPECIFY EXTENDED COUNTERTOP WIDTH BELOW.

MERIDIAN® STAINLESS STEEL DUAL-BASIN, 3702 SHOWN FOR REFERENCE ONLY.



ORDERING INSTRUCTIONS:

SPECIFY WHERE INDICATED COUNTERTOP SIDE(S) TO BE EXTENDED AND DIMENSION(S) REQUIRED. MAXIMUM OVERALL WIDTH IS 120".

NOTE: WHEN -ECL OR -ECR OPTIONS ARE SELECTED, ONLY THE COUNTERTOP IS EXTENDED; TRAP ENCLOSURES REMAIN THE SAME AS STANDARD. LENGTHS ARE SUBJECT TO FACTORY APPROVAL. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCE OF PLUS OR MINUS $\frac{1}{4}$ " WITH OVERALL TOLERANCE OF PLUS OR MINUS $\frac{1}{4}$ ".

	ACORN ENGINEERING COMPANY P.O. BOX 3527 Industry, CA 91744 15125 Proctor Ave Industry, CA 91746 (626) 336–4561 FAX (626) 961–2200	3700 SERIES MULTI-BASIN FIXTURES -ECL / -ECR		
	, ,	MANUFACTURE DATE	DATE ISSUED	DRAWING NUMBER
		AUGUST 1997	07/15/10	
5/64		TO PRESENT	DATE REVISED 12/28/18	9927-128-001

Programable Piezo Pushbutton Programming Instructions (Flow Time Adjustment)

The Button is factory set an 8 sec. timing cycle, if an 8 sec. cycle is adequate, then **no** programming adjustment is required.



NOTE: Read the entire document before trying to program the piezo pushbutton.

THE TIME SETTINGS PROGRAM USES 3 DIFFERENT TIMING MODES:

- 1 second timing mode: Each push of the button adds 1 second to the total timing cycle.
- <u>5 second timing mode:</u> Each push of the button adds 5 seconds to the total timing cycle.
- 20 second timing mode: Each push of the button adds 20 seconds to the total timing cycle.

To program the piezo pushbutton, you will need to be able to see the back of the piezo pushbutton.

Prevision must be made to access the back of the piezo pushbutton. There is an LED on the back of the piezo pushbutton under a layer of transparent epoxy, used as a programming indicator light.



NOTE: This programming procedure moves along rapidly, there is only about 2 or 3 seconds between programming operations.

In order to start the programming the piezo pushbutton, the button must be powered down. Disconnect the red power cable and wait 20 seconds, then reconnect the red power cable.

As soon as the cable is reconnected the LED will start flashing, it will flash 4 times, then stays on for 3 seconds. During the 3 second period, push the piezo button once, the LED will go out, now you are in the **1 sec timing mode** and each time the button is pushed the LED will flash, adding 1 sec to the total timing cycle.

To move on to the **5 sec timing mode**, pause and wait for the LED to flash 2 times, now you are in the 5 sec timing mode. Each time the button is pushed the LED will flash, adding 5 sec to the total timing cycle.

To move on to the **20 sec timing mode**, pause and wait for the LED to flash 3 times, now you are in the 20 sec timing mode and each time the button is pushed the LED will flash, adding 20 sec to the total timing cycle. After programing is complete, pause and wait for the LED to flash 4 times and then 5 times, which completes the programming.

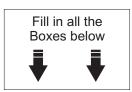
- When a **timing mode is not required** then **do not** push the button and wait for the next timing mode.
- Each timing mode (1 sec, 5 sec or 20 sec timing mode) can be sequenced up to 100 times, that is the number of times, the button can be pushed, to increase the total timing cycle in each timing mode.

Part #: 9940-009-001 New: 10/01/13

Programmable Piezo Pushbutton Programming Instructions (Flow Time Adjustment)

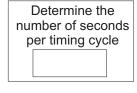
WORKSHEET

(FILL IN ALL BOXES, WHICH WILL SIMPLIFY THE PROGRAMMING PROCEDURE)



PROGRAMING STEPS:

- Power down piezo button for 10 seconds.
- · Reconnect power.
- LED flashes, then stay on.
- · While the LED is steady on, push button.
- · LED turns off.



1 Push = 1 Second

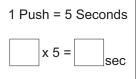
x 1 =



- You are in the 1 sec timing mode, immediately push the button, 1 push equals 1 sec added to the total timing cycle.
- Pause and wait for the LED to flash 2 times.

ADD 👭

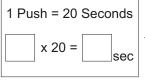
sec





- You are in the 5 sec timing mode, immediately push the button, 1 push equals 5 sec added to the total timing cycle.
- Pause and wait for the LED to flash 3 times.

ADD ₩





You are in the 20 sec timing mode, immediately push the button, 1 push equals 20 sec added to the total timing cycle.

EQUALS ↓

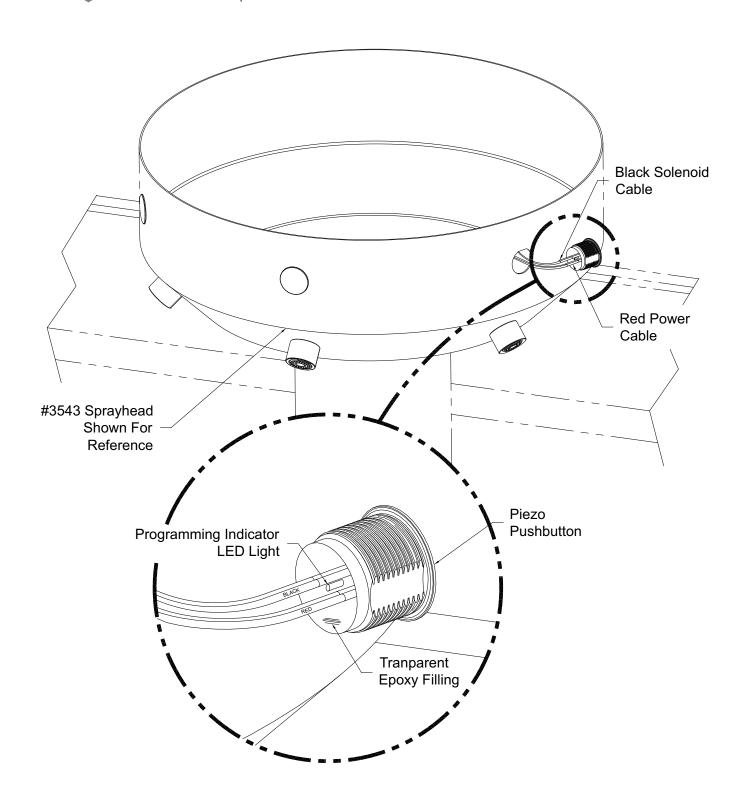
Total timing cycle equals				
	seconds			

Part #: 9940-009-001 New: 10/01/13

INSTALLATION, OPERATIONS & MAINTENANCE MANUAL



Please visit **www.acorneng.com** for most current specifications.



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