

Installation Instructions

SELECTRONIC® Integrated Faucet with Above-Deck Mixing

MODEL NUMBERS

705X.105	705X.205
705X.115	705X.215

- Flexible Selectronic Platform with Universal Sensor
- Easy installation. All electronics in the spout; nothing below deck
- User adjustable above-deck mixing uses ceramic disc valve for dependability & long life
- Mixing handle can be removed for one time temperature setting during installation

CAUTION: Use only American Standard supplied transformers and cable sets. Using non-AS supplied cables, or cutting, splicing or modifying any components will void the warranty.

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Parts 11



Certified to comply with ASME A112.18.1
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American Standard

NOTE TO INSTALLER: Please give this manual to the customer after installation.

To learn more about American Standard Selectronic® Products visit our website at: www.americanstandard-us.com
or e-mail us at: CRTTEAM@americanstandard.com

For Parts, Service, Warranty or other Assistance,
please call (844) CRT-TEAM / (844) 278-8326 (In Canada: 1-800-387-0369)
(In Toronto Area only: 1-905-306-1093)

American Standard
CRT
Certified Response Technician

Thank you for selecting American-Standard...the benchmark of fine quality for over 100 years. To ensure that your installation proceeds smoothly--please read these instructions carefully before you begin.

UNPACKING

All American Standard Faucets Are Water Tested At Our Factory.
Some Residual Water May Remain In The Faucet During Shipping.

The illustration below shows the fitting and all loose items after they have been removed from the carton. Some items may be packaged partially assembled to other items.

- | | |
|------------------------------------|---|
| 1. Installation Instructions | 7. Y-Adapter |
| 2. Spout Assembly (less mixing) | 8. 10 ft. Extension |
| 2a. Spout Assembly (mixing) | 9. 4" Deck plate (optional, must be ordered separately) |
| 3. Mounting Kit | 10. Mixing Valve (optional, must be ordered separately) |
| 4a. PWRX 10 Year Battery Pack | 11. Connector Locking Device |
| 4b. Bracket | 12. Filter Screen(s) |
| 5. Plug-In AC Power Supply | 13. Assembly Parts |
| 6. Hard-Wired AC Power Transformer | |

How to order the Selectronic Product

1. Choose Above Deck Mixing or Less Mixing
2. Choose Desired Outlet
3. Choose Power Supply

- | | | |
|--|--|---|
| Base Product | Deck Plate (optional) | Mixing Valve (optional) |
| <ul style="list-style-type: none"> • Single Hole Sink • Single Inlet | <ul style="list-style-type: none"> • 1 and 3 Hole Sinks • Single Inlet | <ul style="list-style-type: none"> • 1 and 3 Hole Sinks • Hot and Cold Inlets |

Base Product	PWRX Battery Pack 7053. Series	Standard Battery 7055. Series	Plug-In AC 7056. Series	Hard-Wire AC 7059. Series	Multi AC 7057. Series

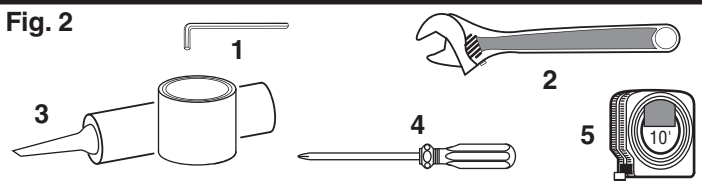
Fig. 1 **Roughing-in Dimensions**



← RECOMMENDED CONTROL BOX OR EQUIVALENT BY OTHERS
4" (102mm) SQ. X 3-1/2" (89mm) DEEP CONTROL BOX
Hubbel-RACO #256 OR EQUAL (BY OTHERS).

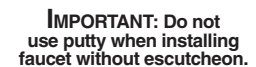
HARD-WIRED AND MULTI AC 10' MAX. CABLE LENGTH

1 Hex Wrench (Included) 4 Phillips Screwdriver
2 Adjustable Wrench 5 Tape Measure
3 Plumbers' Putty or Caulking



CAUTION Turn off hot and cold water supplies before beginning

4. Use a screwdriver to tighten SCREWS (10) on LOCKNUT (9). Work your way around LOCKNUT (9), tightening the screws slightly each time until all are snug to ensure even pressure.



PUTTY
(If required)

MOUNTING
SURFACE

—TIGHTEN
SPIN NUTS

- **IMPORTANT:** Do not use sealent on threads

ELECTRICAL INSTALLATION

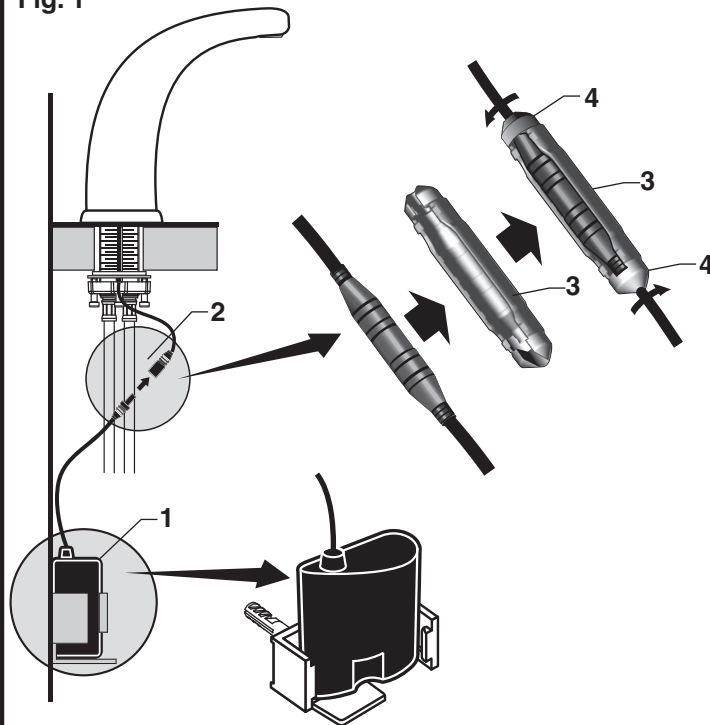
Product	Page
PWRX 10-Year Battery (7053. Series)	3
Plug-in AC (7056. Series)	3
Hard-Wired AC (7059. Series)	3
AC Multi (7057. Series)	4

A PWRX 10-Year Battery Pack

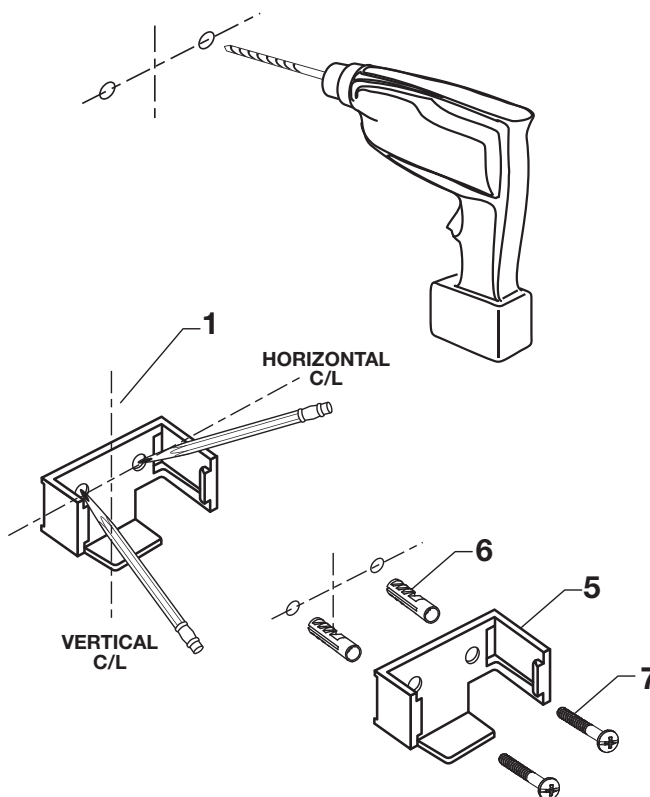
Important: The 7055 series faucets come with the standard CR-P2 lithium battery installed in the faucet. No further action required.

1. Connect PWRX BATTERY PACK (1) to SENSOR CABLE (2).
2. Secure the connections by installing into CONNECTOR LOCKING DEVICE (3) as shown. Rotate the END CAPS (4) to secure the connection within the CONNECTOR LOCKING DEVICE (3).
3. Determine the mounting location of the PWRX BATTERY PACK (1) by marking center lines as shown.
4. Place the BRACKET (5) on the horizontal center line and mark the location of the mounting holes to be drilled.
5. Using 1/4" diameter drill bit, drill two mounting holes approximately 1" deep.
6. Install the two ANCHORS (6) provided into the mounting holes. Use a hammer to lightly tap the ANCHORS (7) into place and flush with the finished wall.
7. Place the BRACKET (5) over the ANCHORS (6) and secure with the SCREWS (7) provided. Do not overtighten.
8. Insert PWRX BATTERY PACK (1) into BRACKET (5).

Fig. 1



BRACKET INSTALLATION



B AC VERSIONS (HARDWIRE / PLUG-IN); Fig. 2

Important: Turn off power to outlet or control box.

1. Connect PLUG-IN POWER SUPPLY (1) or 10' EXTENSION (2) if using HARDWIRE POWER SUPPLY (7) to single terminal of Y-ADAPTER (3).
2. Connect SENSOR CABLE (4) to either of the available terminals of the Y-ADAPTER (3).
3. Connect PLUG-IN POWER SUPPLY (5) to wall outlet, or connect other end of 10' EXTENSION (2) to the HARDWIRE POWER SUPPLY (7).

FOR HARDWIRE VERSION;

4. Contractor to supply CONTROL BOX (6).
5. Connect White and Black power connections to POWER SUPPLY (7). Mount POWER SUPPLY (7) into CONTROL BOX (6).

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Fig. 2

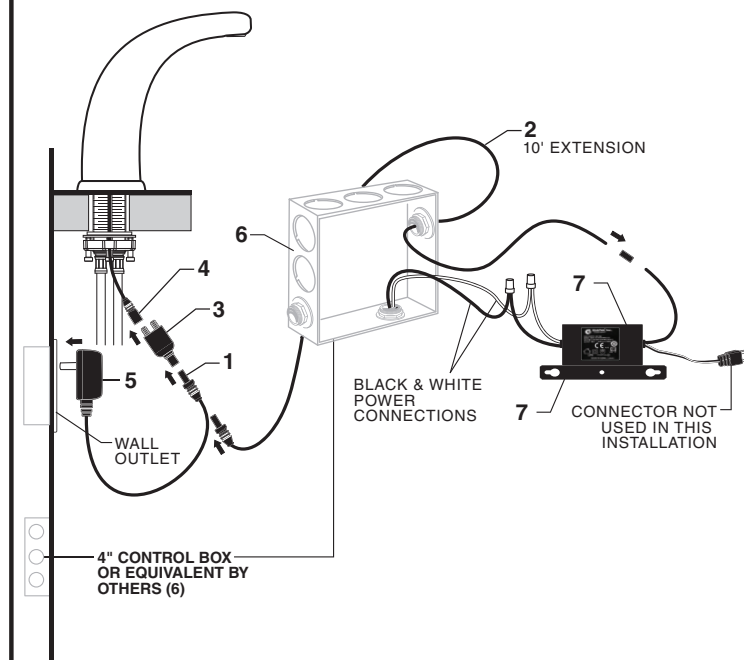
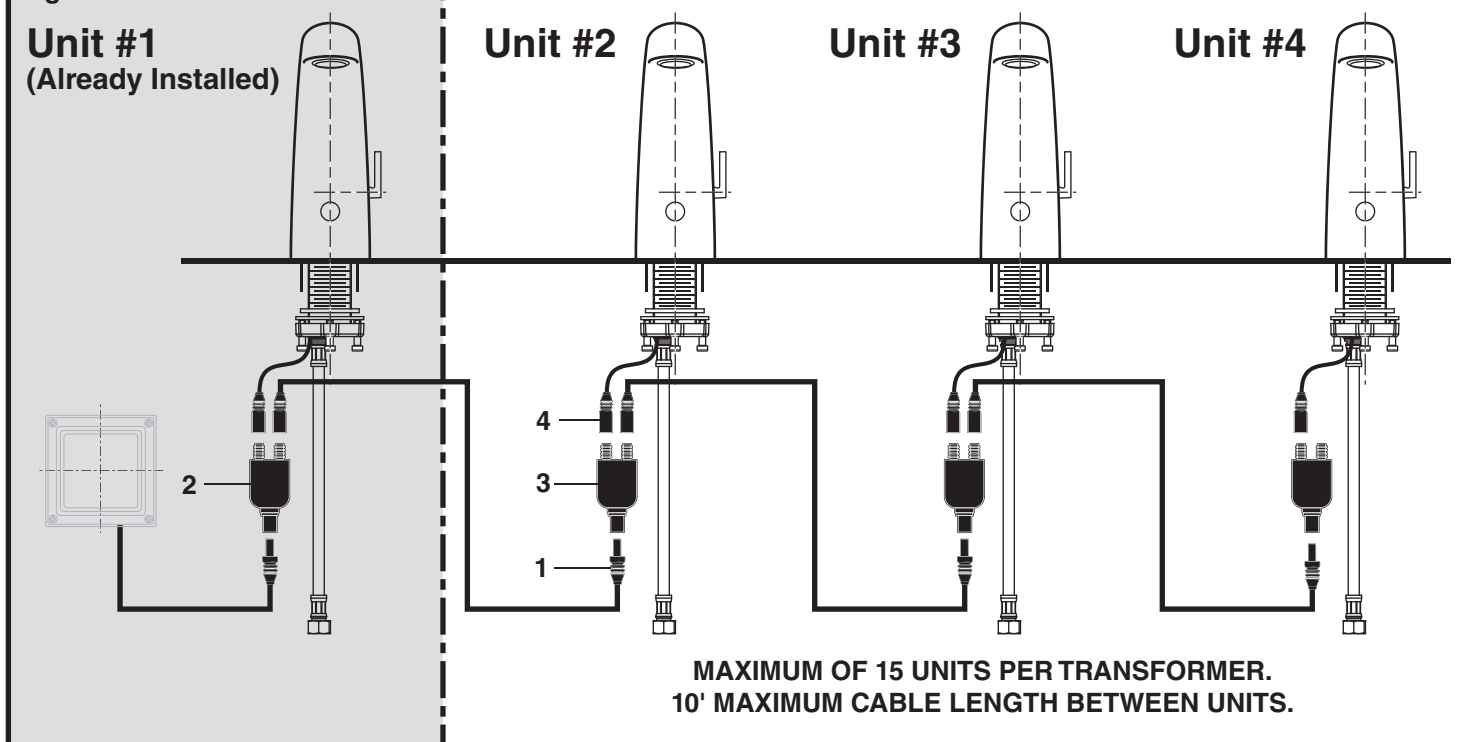


Fig. 3



C MULTI-AC VERSION (DAISY-CHAIN); Fig. 3

Important: Disconnect the first unit's Y-Adapter from power supply before making daisy-chain connections.

Note: For Unit #1 electrical instructions, refer to section B (page 3).
For subsequent Units, refer to instructions below...

1. Connect one end of the 10' EXTENSION (1) to the available terminal of the pervious unit's Y-ADAPTER (2), and the other end to the single terminal of the current unit's Y-ADAPTER (3).
2. Connect SENSOR CABLE (4) to either of the two available terminals of Y-ADAPTER (3).
3. Repeat Steps above for each additional Unit, for a Max. of 15 Units on one AC POWER SUPPLY.

D MAKE WATER SUPPLY CONNECTIONS; Fig. 4

1. Turn off hot and cold water supplies before beginning.
2. Place each SCREEN FILTER (3) on each wall supply outlet. Be sure that SCREEN FILTER (3) is inserted in the correct direction. (See Illustration)
3. Connect left supply (Marked with a Red Stripe) to Hot FLEXIBLE SUPPLY (1) and right supply (Marked with a Blue Stripe) to Cold FLEXIBLE SUPPLY (2) supply. Use adjustable wrench to tighten connections. Do not over tighten.
4. Faucet supplies are 18" long from faucet base.

Note; If additional supply length is required, installer must purchase those parts separately.

Important; If SUPPLY HOSES (1, 2) are too long, loop as illustrated to avoid kinking.

E INSTALL OPTIONAL MIXING VALVE; Fig. 5

Note: An optional Thermostatic Mixing Valve may be installed (sold separately) on faucets 705X.205 & 705X.215 in addition to Above Deck Mixing valve. See setup diagram Fig. 5.

Tee fitting is not supplied with Faucet or Thermostatic Mixing valve and must be purchased separately. If faucet inlet hoses will not reach water supplies, longer hoses must be purchased separately.

For complete detailed installation and operating instructions, see installations instructions (No. M968808) supplied with Thermostatic Mixing Valve.

MAINTENANCE

A HAND WASH SENSOR OPERATION; Fig. 1

REMOVE PROTECTIVE FILM FROM SENSOR EYE WHEN INSTALLATION IS COMPLETE.

When the Sensor detects a user, the water immediately starts to flow. Water flow will stop 2 seconds after user is out of sensor range. The off delay allows the user to comfortably move his hands without the flow cycling on to off. As a precaution, a safety timer will turn off the water, after the sensor has been blocked for 59 seconds. The water will stay off until the blockage is removed from the detection zone.

Detection Zone: 2" - 10" (50.8mm - 254mm)
Default: Set at Factory 6" (152.4mm)

Fig. 4

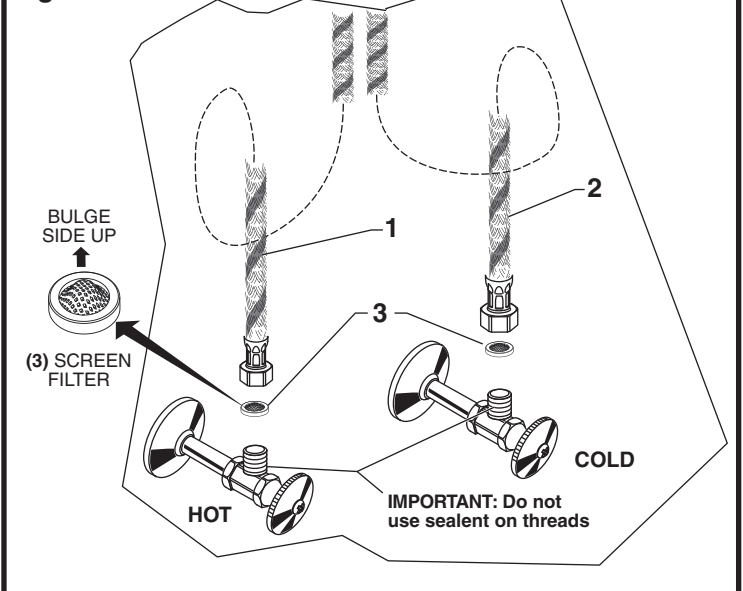


Fig. 5

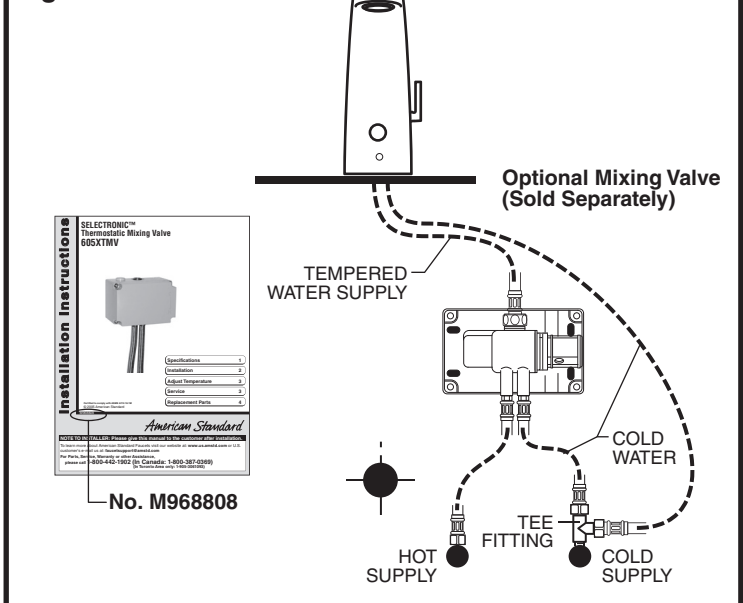


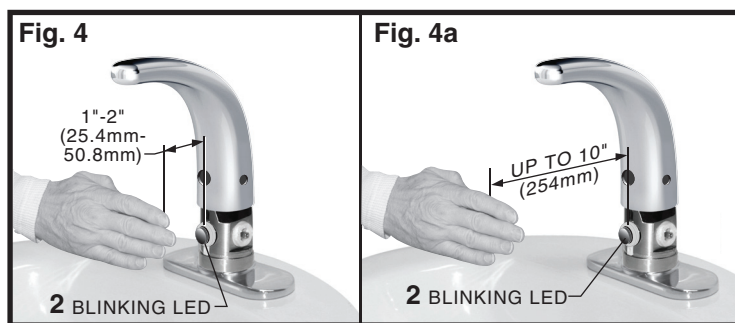
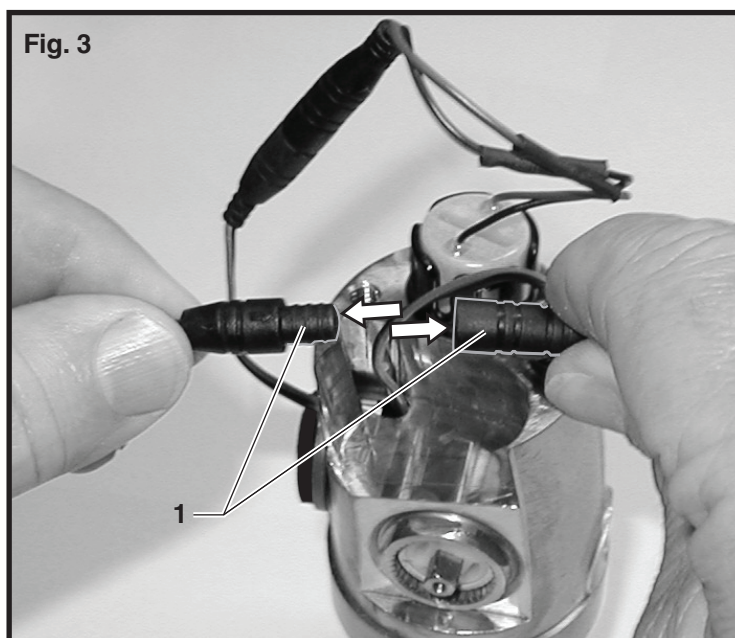
Fig. 1



CHANGE SENSOR RANGE; (Factory set at 6") Fig. 2, 3, 4, & 4a

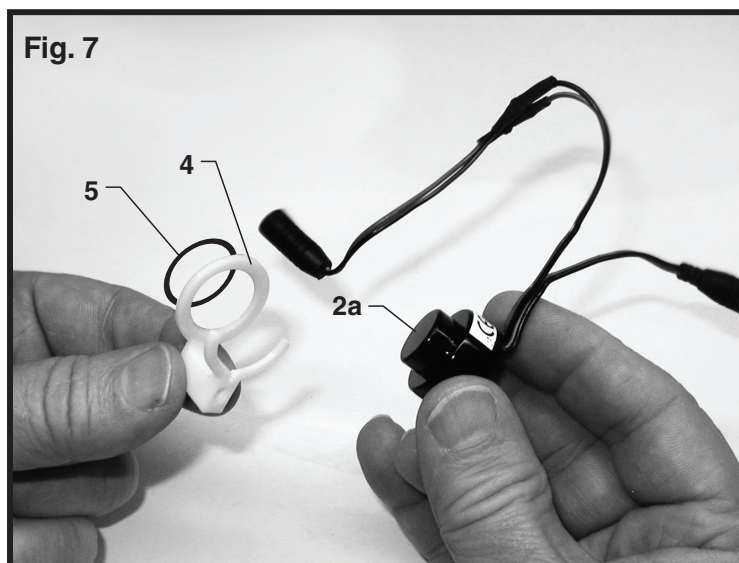
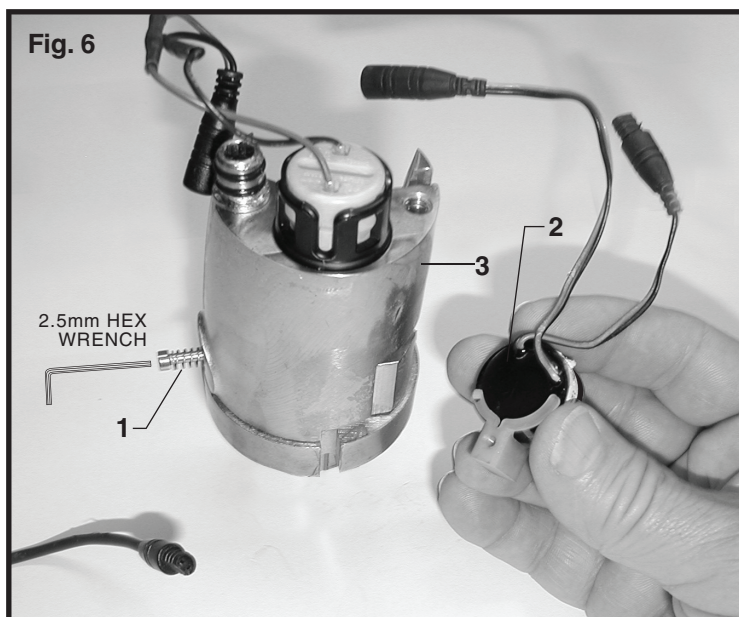
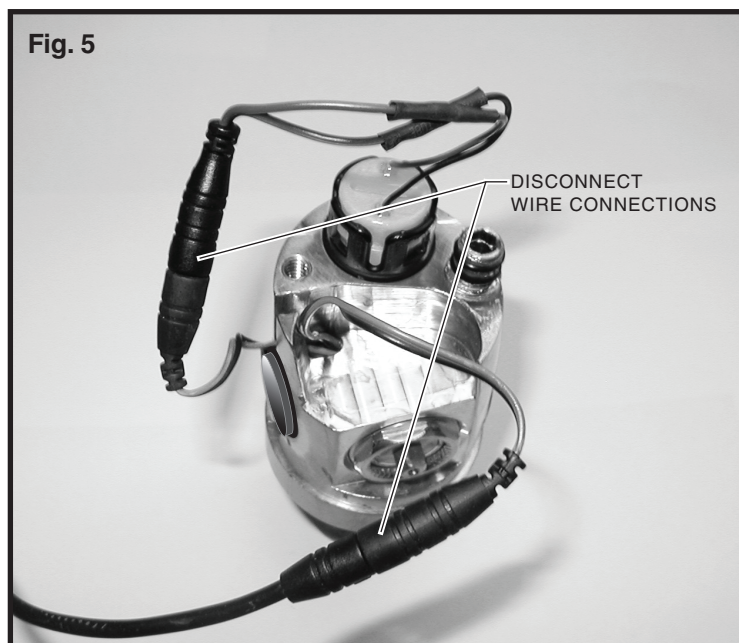
1. Remove the FAUCET COVER (1) by unthreading the LEVER SCREW (2) and pulling off the LEVER HANDLE (3). Unthread the FAUCET COVER SCREW (4) at the back of the FAUCET. Pull FAUCET COVER (1) up and off. **Fig. 2.**
2. Disconnect the BLACK POWER SUPPLY CONNECTOR (1) and reconnect. **Fig. 3.**
3. While the SENSOR CONTROL LED (2) is blinking slowly, place your hand 1 - 2 in. (25.4-50.8mm) in front of the sensor. **Fig. 4.**
4. When the LED stops blinking and stays "ON", move your hand to the desired position and hold in place until the LED begins to blink again. **Fig. 4a.**
5. Once the SENSOR CONTROL LED (2) begins to blink again, remove your hand from the detection zone. When the flashing stops, the detection distance is set.
6. Replace FAUCET COVER (1) and LEVER HANDLE (3). Install LEVER HANDLE SCREW (2), FAUCET COVER SCREW (4) and tighten. **Fig. 2.**

Note: The LEVER HANDLE (3) can be removed to prevent users from adjusting the water temperature. Replace the LEVER HANDLE (3) with PLUG BUTTON (5) as shown. Fig. 2.



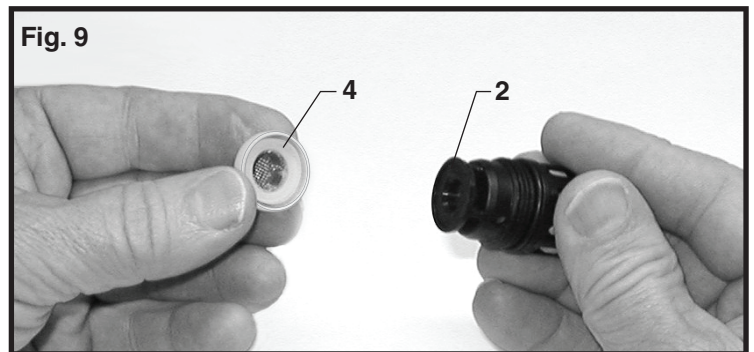
REPLACE SENSOR; Fig. 5, 6 & 7.

1. Remove the FAUCET COVER (1) by unthreading the LEVER SCREW (2) and pulling off the LEVER HANDLE (3). Unthread the FAUCET COVER SCREW (4) at the back of the FAUCET. Pull FAUCET COVER (1) up and off. See **Fig. 2** in this section.
2. Disconnect both ELECTRICAL CONNECTIONS. **Fig. 5.**
3. Untighten SENSOR SCREW (1) with a 2.5mm HEX WRENCH. Remove SENSOR ASSEMBLY (2) from FAUCET BODY (3). Remove O-RING (5). Remove SENSOR (2a) from CARRIER (4) and replace with new SENSOR (2a). Replace O-RING (5). Install SENSOR ASSEMBLY (2) into FAUCET BODY (3). Tighten SENSOR SCREW (1). **Fig. 6, 7.**
4. Replace FAUCET COVER (1) and LEVER HANDLE (3). Install LEVER HANDLE SCREW (2), FAUCET COVER SCREW (4) and tighten. See **Fig. 2** in this section.



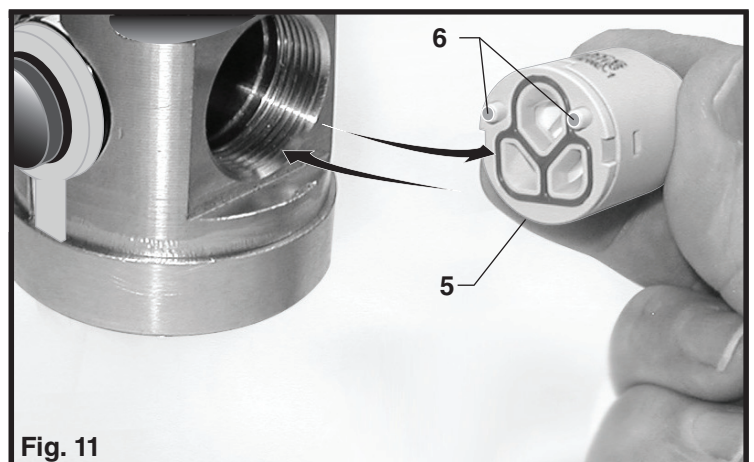
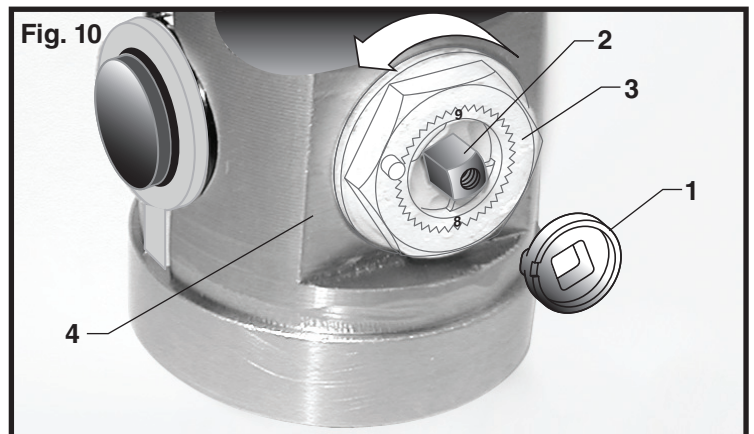
D CLEAN FILTER SCREEN ON SOLENOID VALVE; Fig. 8 & 9

1. Remove the FAUCET COVER (1) by unthreading the LEVER SCREW (2) and pulling off the LEVER HANDLE (3). Unthread the FAUCET COVER SCREW (4) at the back of the FAUCET. Pull FAUCET COVER (1) up and off. See **Fig. 2** in this section.
2. Disconnect SENSOR CABLE (1) from SOLENOID CABLE (2). **Fig. 8.**
3. Unthread SOLENOID VALVE (2) from VALVE BODY (3). **Fig. 9.**
4. Remove FILTER SCREEN (4) from base of SOLENOID VALVE (2). Clean and replace. **Fig. 9.**
5. Thread SOLENOID VALVE (2) into VALVE BODY (3) and hand tighten. Reconnect SENSOR and SOLENOID CABLES (1). **Fig. 8.**
6. Replace FAUCET COVER (1) and LEVER HANDLE (3). Install LEVER HANDLE SCREW (2), FAUCET COVER SCREW (4) and tighten. See **Fig. 2** in this section.



E REPLACE DIVERTER CARTRIDGE; Fig. 10 & 11

1. Remove the FAUCET COVER (1) by unthreading the LEVER SCREW (2) and pulling off the LEVER HANDLE (3). Unthread the FAUCET COVER SCREW (4) at the back of the FAUCET. Pull FAUCET COVER (1) up and off. See **Fig. 2** in this section.
2. Pull out LIMITER STOP (1) from the VALVE STEM (2). Unthread COLLAR NUT (3) from VALVE BODY (4). **Fig. 10.**
3. Pull DIVERTER CARTRIDGE (5) out and replace with new DIVERTER CARTRIDGE (5).
NOTE: Make sure the two ALIGNMENT PINS (6) in the base of the DIVERTER CARTRIDGE (5) are facing upward. **Fig. 11.**
4. Replace FAUCET COVER (1) and LEVER HANDLE (3). Install LEVER HANDLE SCREW (2), FAUCET COVER SCREW (4) and tighten. See **Fig. 2** in this section.



F CHANGE HOT LIMIT SETTING FROM 95% TO 85%; Fig. 12

1. Remove the FAUCET COVER (1) by unthreading the LEVER SCREW (2) and pulling off the LEVER HANDLE (3). Unthread the FAUCET COVER SCREW (4) at the back of the FAUCET. Pull FAUCET COVER (1) up and off. See **Fig. 2** in this section.
2. Replace LEVER HANDLE and rotate counter-clockwise to its stop position (100% cold). Remove HANDLE.
3. Pull out LIMITER STOP (1) from the VALVE STEM (2).
4. Rotate LIMITER STOP (1) 180 degrees and insert back onto VALVE STEM (2).
5. Replace FAUCET COVER (1) and LEVER HANDLE (3). Install LEVER HANDLE SCREW (2), FAUCET COVER SCREW (4) and tighten. See **Fig. 2** in this section.

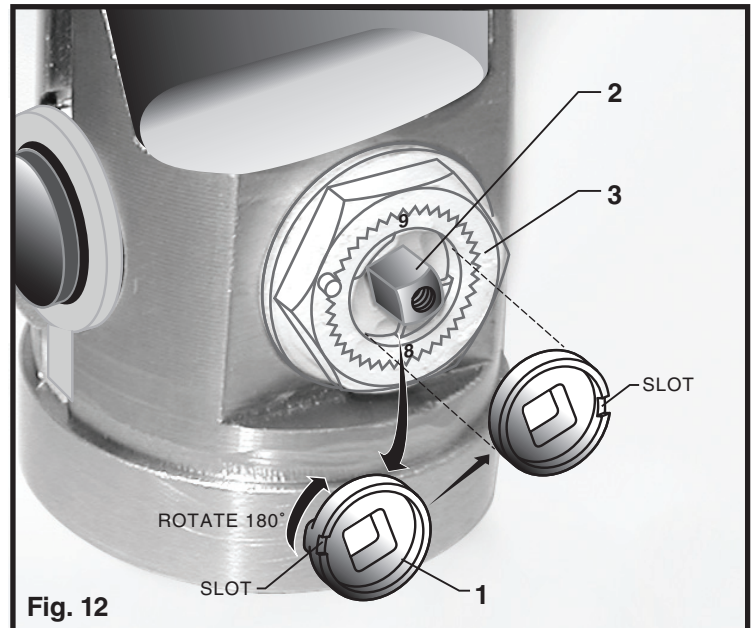


Fig. 12

G GENERAL CLEANING; Fig. 13

1. Only use a damp, soft cloth to clean the spout and the sensor.
2. For tougher dirt, use a soft cloth with diluted dish washing detergent. Wipe the area using a wet cloth and dry using a soft cloth.

CAUTION

Do not scratch the sensor when cleaning.
Avoid using any abrasives or harsh detergents or chemicals.



Fig. 13

FAQ'S

Q: How will I know if the battery needs to be replaced?

A: Valve will not open and sensor will continuously blink 2 times interrupted by a pause for up to 7 days.

Q: Why has the flow rate of the faucet reduced significantly?

A: The filter assembly, flow regulator or areator/spray may be clogged. Check and clean. Refer to Start-up/Maintenance, sections C, D and E.

Q: Why doesn't the water flow out of faucet when I'm within the sensor detection zone?

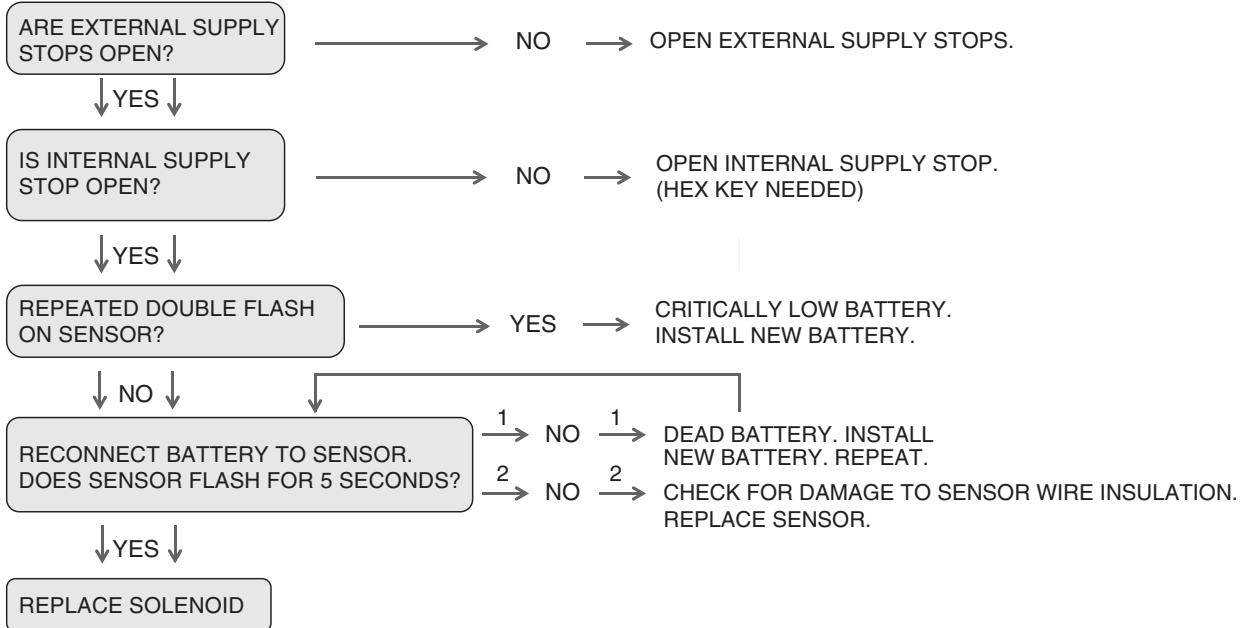
A: Battery may need replacement. Check. If sensor continuously blinks 2 times interrupted by pause, replace battery or call (844) CRT-TEAM / (844) 278-8326.

Q: What is the normal operating pressure range?

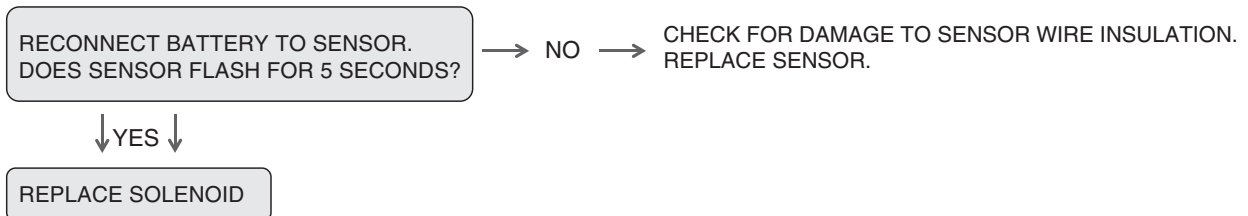
A: Faucet will operate with supply pressures ranging from 20-80 psi.

TROUBLESHOOTING FLOW CHARTS

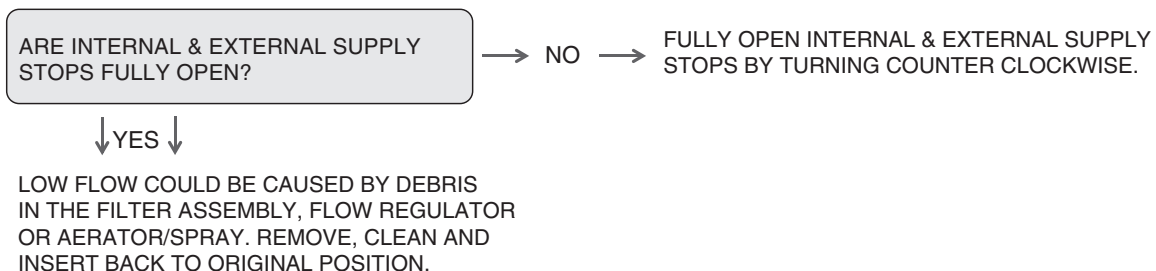
UNIT DOES NOT FUNCTION



WATER IS CONTINUOUSLY RUNNING



LOW FLOW ISSUES



HOT LINE FOR HELP
For toll-free information and answers to your questions, call:

(844) CRT-TEAM / (844) 278-8326
Mon. - Fri. 8:00 a.m. to 8:00 p.m. EST Saturday 10:00 a.m. to 4:00 p.m. EST
IN MEXICO 01-800-839-1200
IN CANADA 1-800-387-0369 (TORONTO 1-905-306-1093)
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American Standard

Appropriate finish code

CHROME

002

SELECTRONIC® Integrated Faucet with Above-Deck Mixing

MODEL NUMBERS

705X.105

705X.205

705X.115

705X.215

M964171-0070A
1.5 GPM AERATOR

M964172-0070A
0.5 GPM AERATOR

M954483-0070A
SOLENOID VALVE

M964173-0070A
SENSOR

A912790-0070A
VALVE STEM O-RINGS

A907405-0020A
PLUG BUTTON

M951479-0070A
DIVERTER CARTRIDGE

M911785-0070A
SPOUT O-RING

M964187-0020A
LEVER ASSEMBLY

M920013C-0070A
COLD SUPPLY HOSE

M920013H-0070A
HOT SUPPLY HOSE

M910513-0070A
FILTER SCREENS (2)

705P400.002
ESCUTCHEON

M962061-0070A
MOUNTING KIT

PWRX Battery Pack 7053. Series

M950361-0070A
PWRX POWER PACK

M964455-0070A
BRACKET

DC Standard Battery 7055. Series

M950514-0070A
BATTERY HOLDER

A923654-0070A
BATTERY 6V CR-P2

Plug-In AC 7056. Series

M950338-0070A
POWER SUPPLY

Hard-Wired AC 7059. Series

M950511-0070A
10' EXTENSION

M950520-0070A
POWER SUPPLY

M950512-0070A
Y-ADAPTER

Multi-AC 7057. Series

M950511-0070A
10' EXTENSION

M950512-0070A
Y-ADAPTER

PART OF **LIXIL**

HOT LINE FOR HELP

For toll-free information and answers to your questions, call:

(844) CRT-TEAM / (844) 278-8326

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IN MEXICO 01-800-839-1200

IN CANADA 1-800-387-0369 (TORONTO 1-905-306-1093)
Weekdays 8:00 a.m. to 7:00 p.m. EST

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