

Installation Instructions

SERIN™ Deck Mount Electronic Proximity Lavatory Faucet



Optional 206P400.XXX, 4" Deck Plate



Optional 206P800.XXX, 8" Deck Plate

Certified to comply with ASME A112.18.1
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M965612 REV. 1.3 (2/15)

MODEL NUMBERS

| | | |
|----------|----------|----------|
| 2064.142 | 2064.145 | 2064.146 |
| 2064.153 | 2064.155 | 2064.156 |
| 2064.162 | 2064.165 | 2064.166 |
| 2064.172 | 2064.175 | 2064.176 |
| 2064.192 | 2064.195 | 2064.196 |

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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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

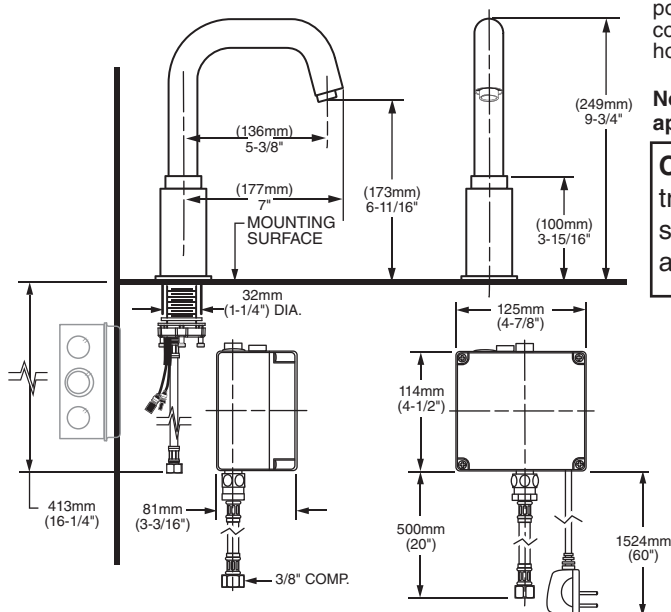
All American Standard Faucets Are Water Tested At Our Factory. Some Residual Water May Remain In The Faucet During Shipping.

1. Remove the fitting and loose items from the carton. 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 | 6c. AC Power Supply (for .162, .165, .166) |
| 2. Spout Assembly | 6d. AC Power Transformer (.192, .195, .196) |
| 3. Mounting Kit | 7. Y-Adapter |
| 4. Electrical Enclosure | 8. 10 ft. Extension |
| 5. Supply Hose | 9. 4" Deck plate (optional, must be ordered separately) |
| 6a. DC Long Life Power Pack (for .142, .145, .146) | 10. 8" Deck plate (optional, must be ordered separately) |
| 6b. DC Standard Battery (for .153, .155, .156) | 11. Mixing Valve (optional, must be ordered separately) |

| How to order the Series™ Proximity Product | Spout | | | | | |
|--|----------------------------------|---|---|--|---|--|
| | PRODUCT No.s All 2064. SERIES | DC Long Life Power Pack 2064.142 2064.145 2064.146 | DC Standard Battery 2064.153 2064.155 2064.156 | AC Plug-in 2064.162 2064.165 2064.166 | AC Hardwire 2064.192 2064.195 2064.196 | AC Multi 2064.172 2064.175 2064.176 |
| Base Product + Deck Plate (optional) + Mixing Valve (optional) | | | | | | |
| | 206P400.XXX | 206P800.XXX | | | | |
| | 605XTMV1070 | | | | | |

Roughing-in Dimensions

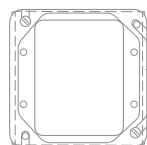


GENERAL DESCRIPTION:

Electronic faucet with proximity operation. Vandal resistant solid brass construction single post mounting. Operates on DC (battery/power pack) or AC permanent power (plug-in/hardwire). In-line strainer for solenoid is integral. Single inlet 3/8 compression, built-in check valves, and flexible stainless steel 16-1/4" reach inlet hose for spout connection.

Note: All plumbing and electrical wiring must be installed in accordance with applicable codes, regulations and standards.

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.



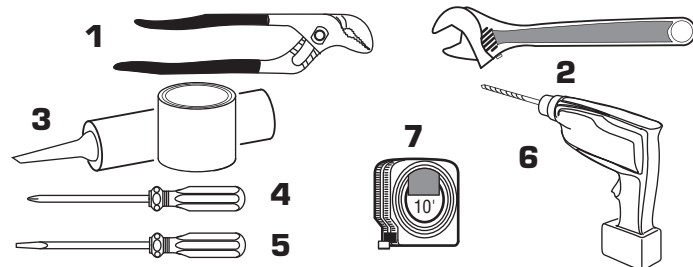
RECOMENDED ELECTRICAL BOX OR EQUIVALENT BY OTHERS

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

HARD-WIRED AC ONLY 10' MAX. CABLE LENGTH

RECOMMENDED TOOLS

- | | |
|-------------------------------|-----------------------------------|
| 1 Slip Joint Pliers | 5 Flat Blade Screwdriver |
| 2 Adjustable Wrench | 6 Electric Drill & 1/4" Drill Bit |
| 3 Plumbers' Putty or Caulking | 7 Tape Measure |
| 4 Phillips Screwdriver | |



1 SPOUT ASSEMBLY INSTALLATION; Fig. 1

CAUTION Turn off hot and cold water supplies before beginning

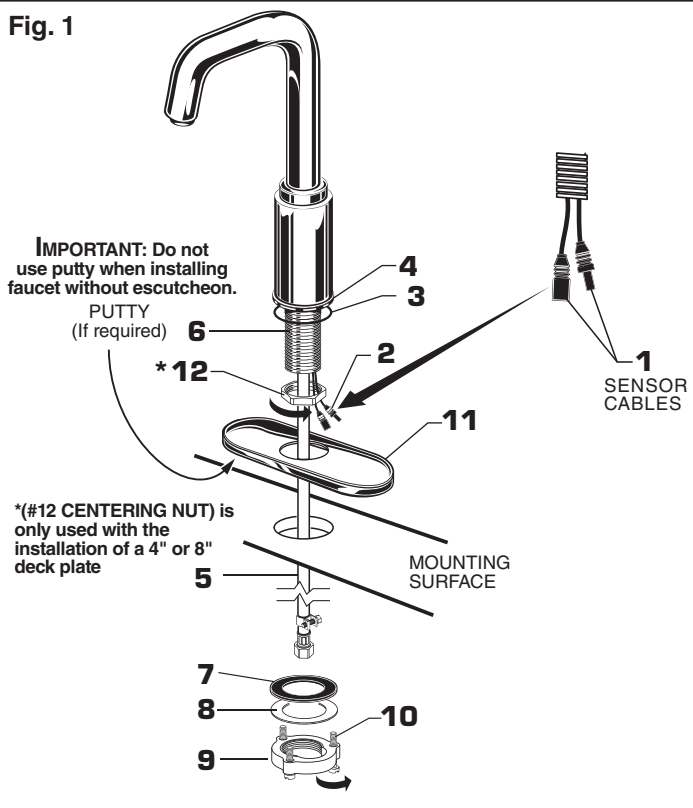
1. Make sure O-RING (3) is installed into groove in ESCUTCHEON RING (4).
2. Insert SENSOR CABLES (1), SPOUT HOSE (5) and SPOUT SHANK (6) through center hole of mounting surface. Fig. 1.
3. Assemble RUBBER WASHER (7), BRASS WASHER (8) and LOCKNUT (9) onto SHANK (6) from underside of sink or mounting surface. Hand tighten LOCKNUT (9).
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.

Note: 4" and 8" Deck Plates (11) are available for other installations, see page one for information.

5. When using optional 4" or 8" DECK PLATE (11) first thread the DECK PLATE CENTERING NUT (12) onto SHANK (6). Thread the DECK PLATE CENTERING NUT (12) tight against the underside of the faucet base.

6. Follow steps 1-4 above for the spout installation.

Fig. 1



2 MOUNT ENCLOSURE; Fig. 4

Important: For AC installation, make sure power supply connector is inserted into enclosure through power supply grommet before enclosure is mounted to the wall. Reference electrical installation section (pages 5 & 6).

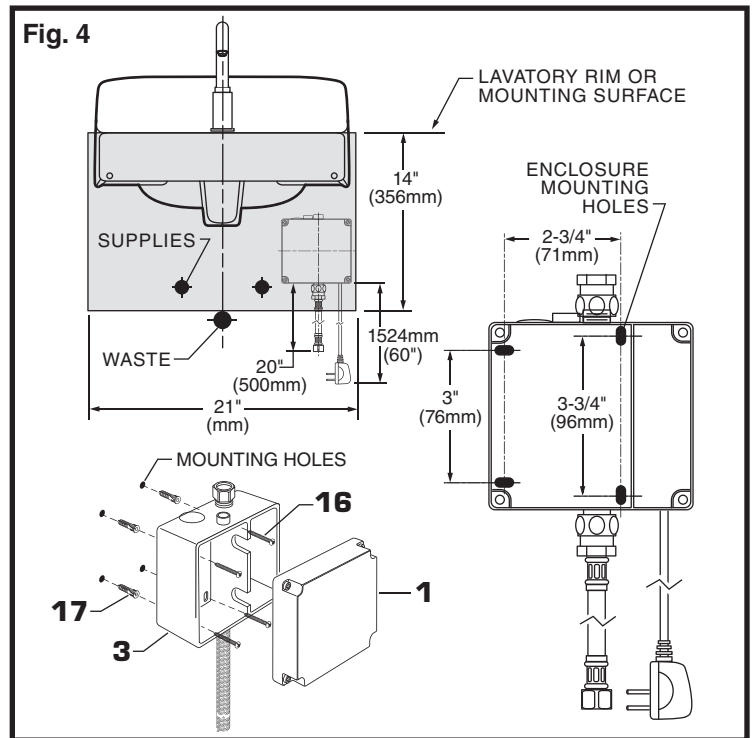
1. Determine location of ENCLOSURE (3). It must be located with-in the 14" (356mm) by 21" (533mm) shaded area shown in **Figure 4** in order for electrical connections from the spout assembly to be made.

NOTE: ENCLOSURE SUPPLY HOSE is 20". Distance between wall supply and ENCLOSURE (3) must be taken into consideration.

2. Remove 4 screws from ENCLOSURE COVER (1) and pull off COVER (1). Hold the ENCLOSURE (3) in desired location and mark the four mounting hole locations as shown. **Fig. 4**.

NOTE: For AC installation, make power supply connection before mounting ENCLOSURE (3) to wall.

3. It is recommended that the ENCLOSURE (3) be secured to a wall stud or cross brace within the wall using the SCREWS (16) supplied. If the ENCLOSURE (3) is to be installed on tile or plaster walls, the ANCHORS (17) and SCREWS (16) should be used.



3 CONNECT SPOUT HOSE TO ENCLOSURE; Fig. 5

1. Connect SUPPLY NUT (18) from spout hose to nipple on top of ENCLOSURE (3). Tighten with adjustable wrench to make a water tight connection. **Fig. 3**.

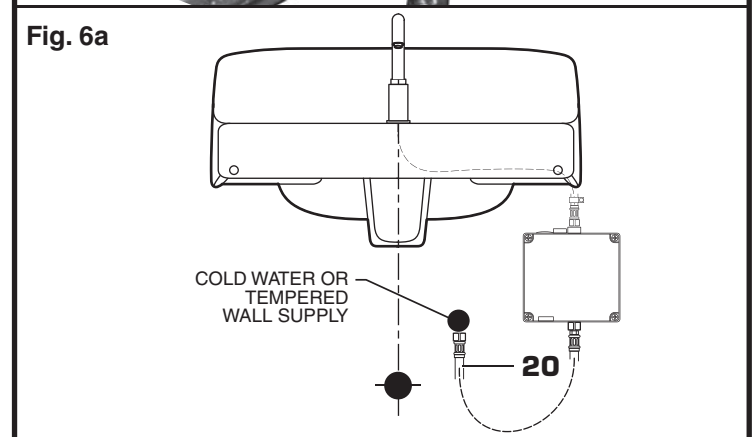
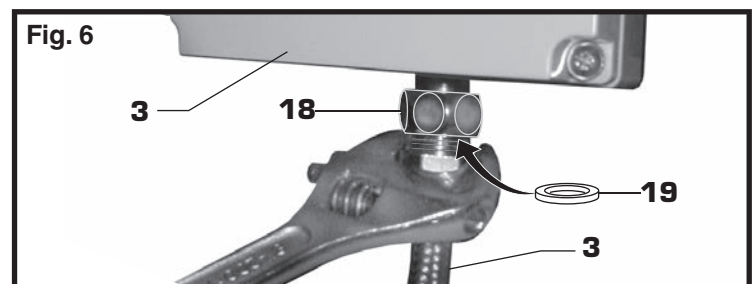
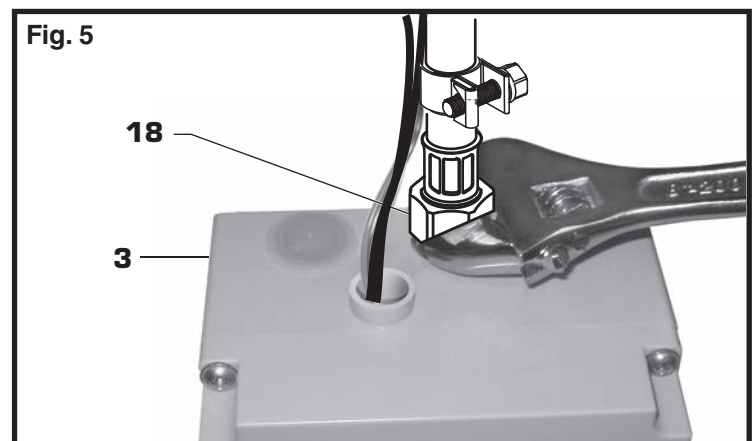
4 CONNECT WATER SUPPLY TO ENCLOSURE AND WALL SUPPLY; Fig. 6, 6a

NOTE: If using the optional Mixing Valve See Sheet #M968808 for installation instructions.

1. Insert FIBER WASHER (19) into SUPPLY NUT (18) on ENCLOSURE (3).
2. Connect FLEXIBLE SUPPLY HOSE (20) to SUPPLY NUT (18) on ENCLOSURE (3). Tighten to make a water tight connection. Use two wrenches to tighten if necessary. **Fig. 6**.
3. Connect FLEXIBLE SUPPLY HOSE (20) directly to wall supply. Connection on FLEXIBLE SUPPLY HOSE (20) is 3/8" compression. Use adjustable wrench to tighten connection. Do not over tighten. **Fig. 6a**.

Note: FLEXIBLE SUPPLY HOSE (20) measures 20" from the bottom of the ENCLOSURE (3) base. If additional supply length is required, installer must purchase parts separately.

Important: If FLEXIBLE SUPPLY HOSE (20) is too long, loop to avoid kinking.



ELECTRICAL INSTALLATION

| Product | Page |
|---|------|
| DC Long Life Power Pack (2064.142 /.145) | 4 |
| DC Standard Battery (2064.153 /.155) | 4 |
| AC Plug-in (2064.162 /.165) | 5 |
| AC Hardwire (2064.192 /.195) | 5 |
| AC Multi Hook-up (2064.172 /.175) | 6 |

A DC VERSIONS (LONG LIFE POWER PACK & STANDARD BATTERY); Fig. 1

1. Remove ENCLOSURE COVER (1). **Fig. 1.**
2. Feed the SENSOR CABLES (2) through the top of ENCLOSURE (3). **Fig. 1a.**
3. Insert BATTERY (4) into BATTERY HOLDER (5), make sure the shape of the BATTERY (4) follows the shape of the BATTERY HOLDER (5) and terminal end is inserted first. **Fig. 1b.**
4. Insert the BATTERY CONNECTOR (5a) for the Standard Battery or Long Life Power Pack through side GROMMET (6) as shown. **Fig. 1c.**
5. Connect SOLENOID CABLE (7) and BATTERY CONNECTOR (5a) to SENSOR CABLES (2). Place Standard Battery or Long Life Power pack into Housing. **Fig. 1d.**
6. Replace ENCLOSURE COVER (1). Tighten cover screws firmly.

Prior to making power connection, make sure detection zone is not obstructed. Sensor is self adjusting. Keep detection zone clear for 15 seconds after power is connected.

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.

Fig. 1

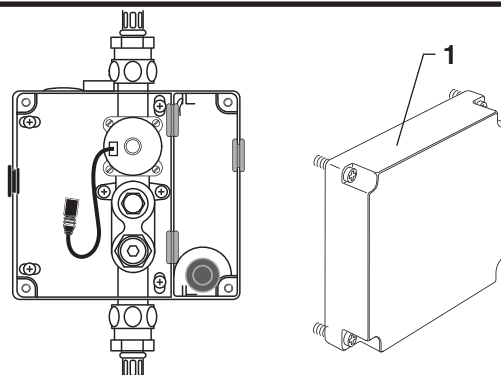


Fig. 1a

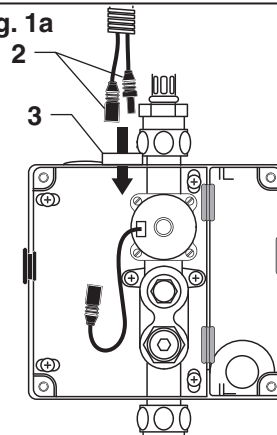


Fig. 1b

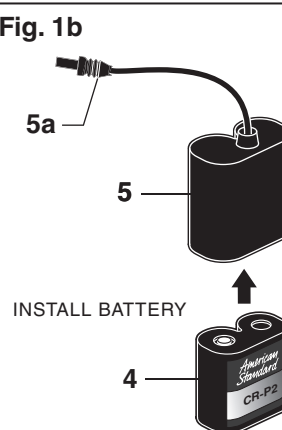


Fig. 1c

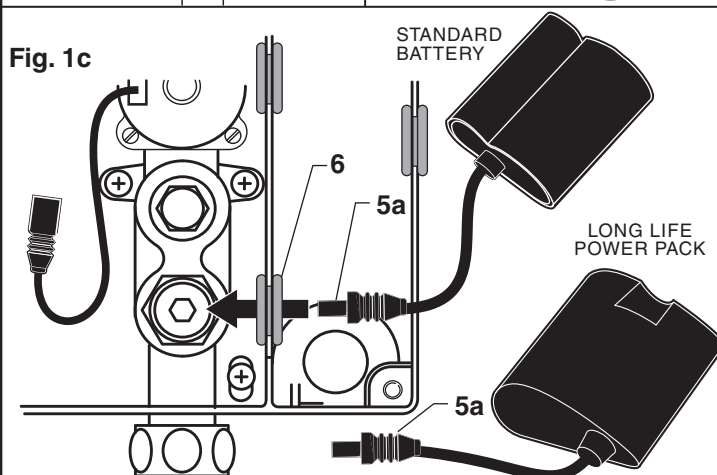
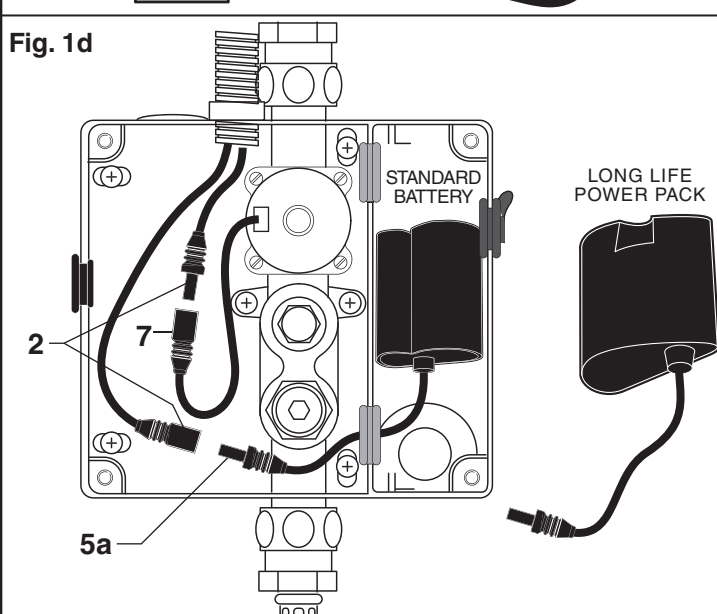


Fig. 1d



B AC VERSIONS (HARDWIRE / PLUG-IN);

Fig. 2

CAUTION

Before opening ENCLOSURE disconnect AC power supply.

NOTE: For AC installation, make power supply connection before mounting ENCLOSURE (3) to wall.

1. Remove ENCLOSURE COVER (1). Fig. 2. Feed the EXTENSION CABLES (2) from the Faucet through the top of ENCLOSURE (3). Fig. 2.

FOR PLUG-IN HOOKUP ONLY

- 2a. Insert POWER CORD (8) through POWER SUPPLY GROMMET (9) Fig. 2a.
- 3a. Insert POWER CORD (8) through side GROMMET (6) as shown. Fig. 2a.
- 4a. Connect SENSOR CABLES (2) to SOLENOID CABLE (7) and POWER CORD (8). Fig. 2a.
- 5a. Mount ENCLOSURE to wall. Replace ENCLOSURE COVER (1). Tighten cover screws firmly.

Prior to making power connection, make sure detection zone is not obstructed. Sensor is self adjusting. Keep detection zone clear for 15 seconds after power is connected.

- 6a. Plug AC POWER SUPPLY into wall outlet. Fig. 2a.

FOR HARDWIRE HOOK-UP ONLY;

- 2b. Insert one end of the 10' EXTENSION (10a) through POWER SUPPLY GROMMET (9). Fig. 2b.
- 3b. Insert 10' EXTENSION (10a) through side GROMMET (6) as shown. Fig. 2b.
- 4b. Connect 10' EXTENSION (10a) to single terminal of Y-ADAPTER (11). Fig. 2b.
- 5b. Connect EXTENSION CABLES (2) from Faucet Sensor to SOLENOID CABLE (7) and to either of the two terminals at the one end of the Y-ADAPTER (11).
- 6b. Mount ENCLOSURE (3) to wall. Replace ENCLOSURE COVER (1). Tighten cover screws firmly.

Contractor to supply ELECTRICAL BOX (12) and power to POWER SUPPLY (13).

- 7b. Mount POWER SUPPLY (13) into ELECTRICAL BOX (12). Connect White and Black connections to POWER SUPPLY CONNECTIONS (14). Fig. 2c.

Prior to making power connection, make sure detection zone is not obstructed. Sensor is self adjusting. Keep detection zone clear for 15 seconds after power is connected.

- 8b. Connect the 10' EXTENSION (10b) to the POWER SUPPLY CABLE (15). Fig. 2c.

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Fig. 2

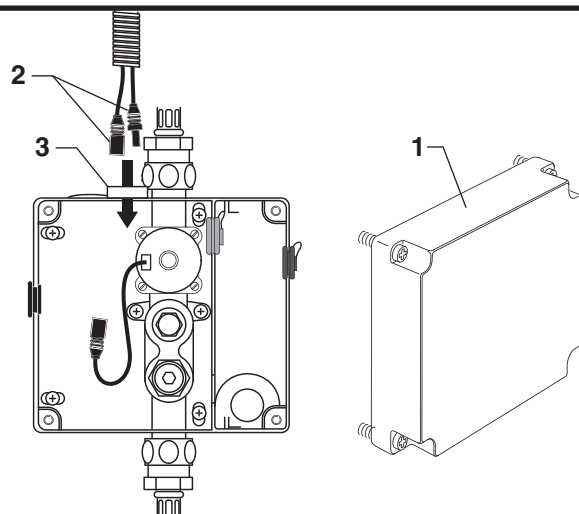


Fig. 2a

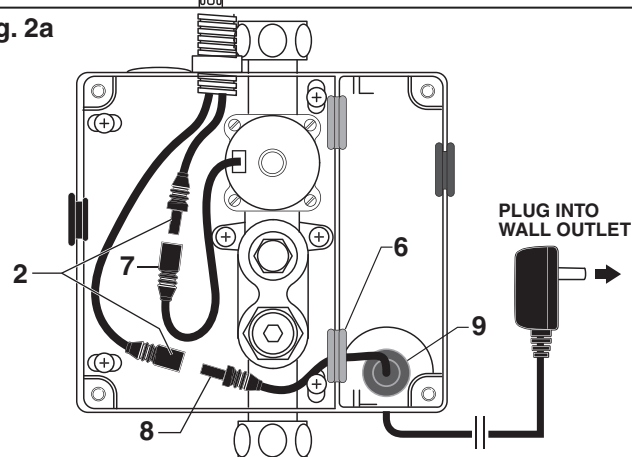


Fig. 2b

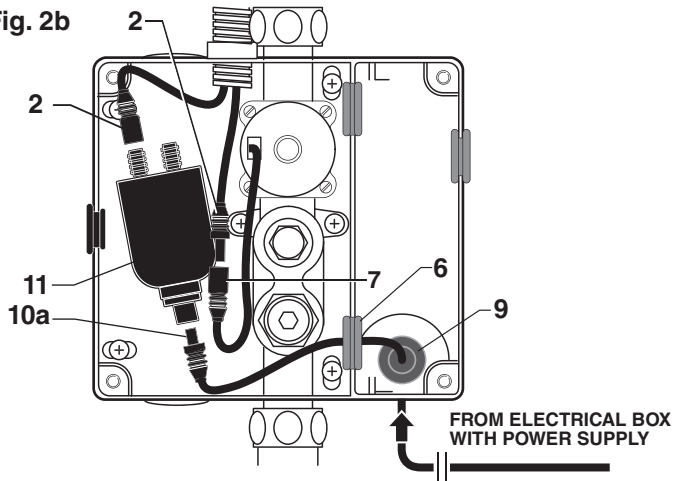
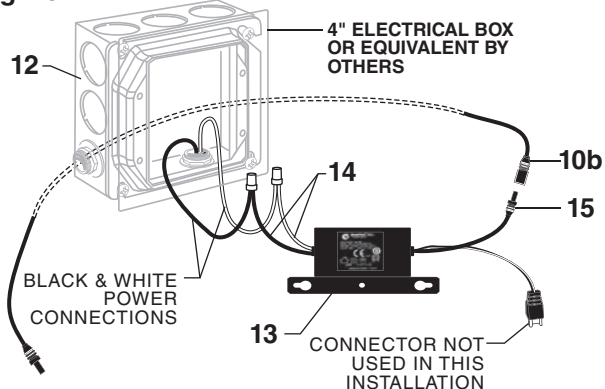
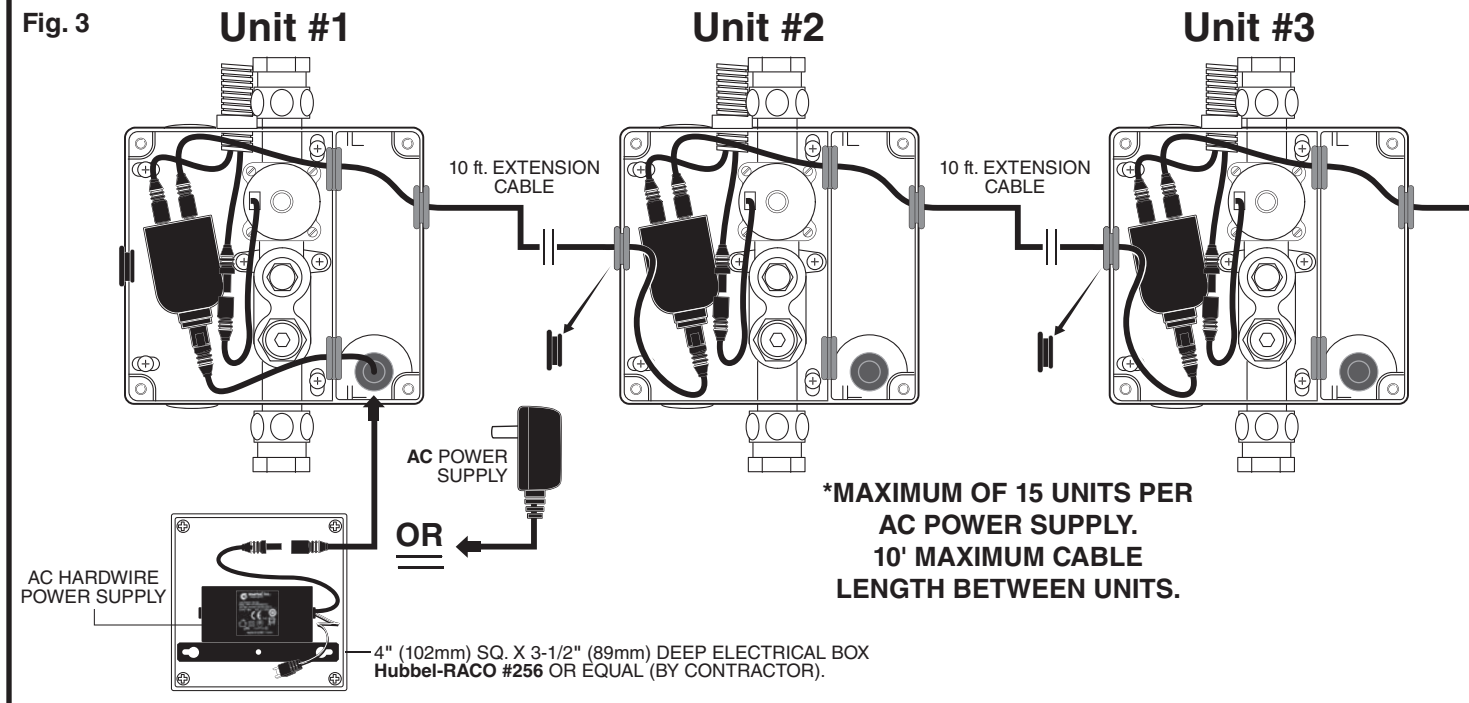


Fig. 2c





FOR AC-VERSION (MULTI HOOK-UP); Fig. 3, 3a, 3b

1. Remove COVERS from all ENCLOSURES (2).
2. Remove SOLID BLACK PLUG GROMMET (5) from left side of all ENCLOSURES (2), except from **Unit #1**. Replace with GRAY GROMMET (9). (Supplied with each Faucet).
3. Feed SENSOR CABLES (2) through the top of ENCLOSURE (3). Connect one SENSOR CABLE (2) to the SOLENOID CABLE (7), and the other to either of the two terminals at the one end of the Y-ADAPTER (11). Connect the 10' EXTENSION (10a) to the other terminal at the same end of the Y-ADAPTER (11).
4. Feed the other end of the 10 ft.EXTENSION (10b) through the two GRAY GROMMETS (6a and 6b) and connect to the single terminal end of the next unit's Y-ADAPTER (11). Place Y-ADAPTER (11) into ENCLOSURE (3).
5. Repeat Steps above for each additional **Unit**, for a **Max. of 15 Units** on one AC POWER SUPPLY (7).
6. Replace ENCLOSURE COVERS. Tighten cover screws firmly.

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Fig. 3a **Unit #1 Detail**

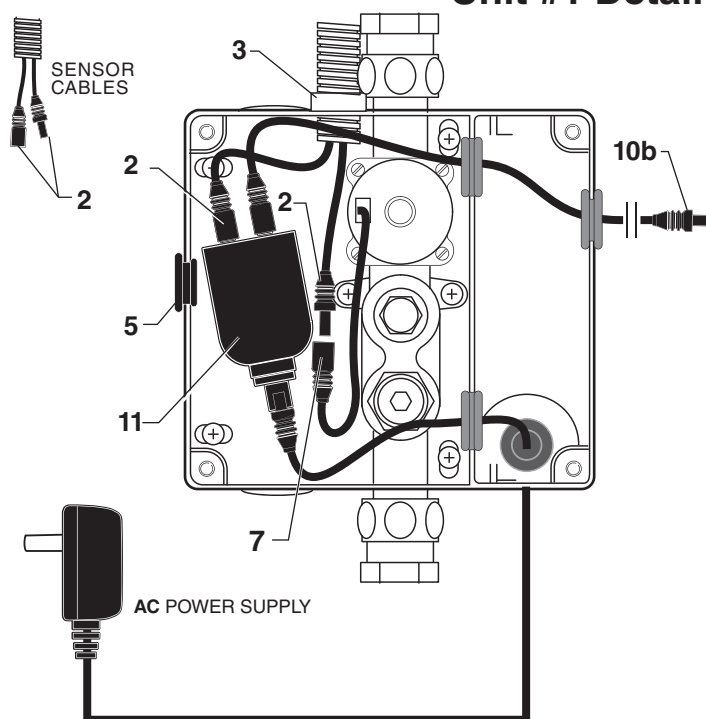
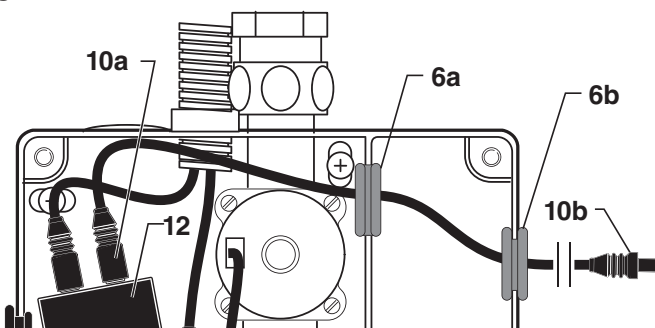


Fig. 3b



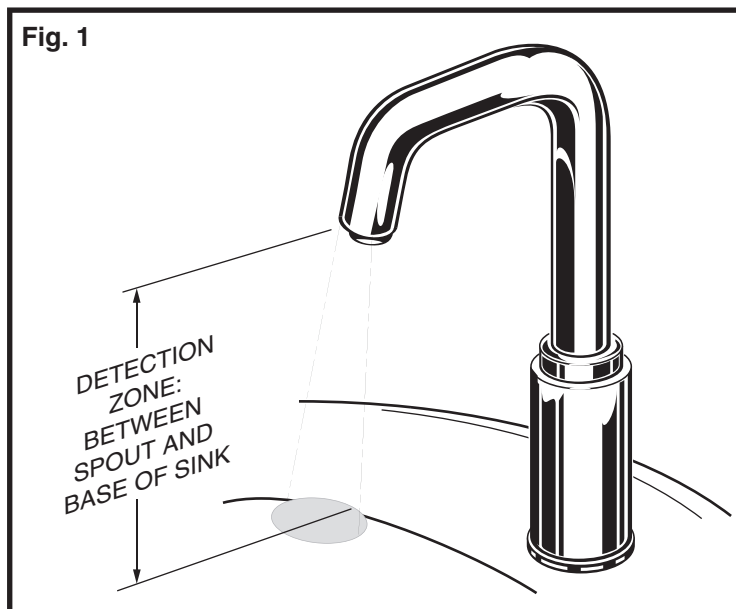
START-UP / MAINTENANCE

A HAND WASH SENSOR OPERATION; Fig. 1

! Prior to making power connection, make sure detection zone is not obstructed. Sensor is self adjusting. Keep detection zone clear for 15 seconds after power is connected.

When the Sensor detects a user, the water immediately starts to flow. Water flow will stop 1.5 seconds after user is out of sensor range. This comfort timer allows the user to move his hands without the flow cycling on and off. As a precaution, a safety timer will turn off the water after the sensor has been blocked for 55 seconds. Water flow will resume when the blockage is removed from the detection zone and the sensor is activated again.

Fig. 1



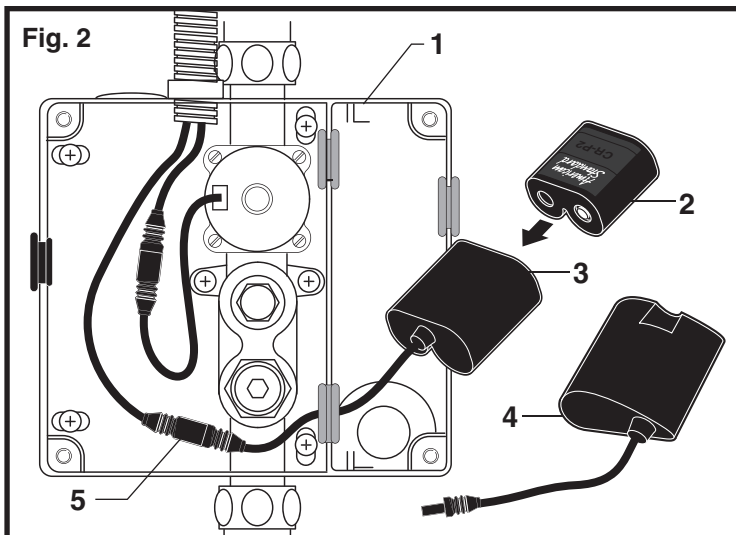
B HOW TO INSTALL AND CHANGE BATTERY; Fig. 2

1. Remove COVER from ENCLOSURE (1).
2. Disconnect BATTERY HOLDER (3) from SENSOR CABLE (5).
3. Remove old BATTERY from BATTERY HOLDER (3). Install new BATTERY (2) making sure the terminal side is inserted first and shape of the battery follows the shape of the BATTERY HOLDER (3).

! Prior to making power connection, make sure detection zone is not obstructed. Sensor is self adjusting. Keep detection zone clear for 15 seconds after power is connected.

4. To change LONG LIFE POWER PACK (4), unplug and replace with new Power Pack.
5. Reconnect BATTERY HOLDER (3) to SENSOR CABLE (5).
6. Replace ENCLOSURE COVER. Tighten cover screws firmly.

Fig. 2



C HOW TO CLEAN FILTER ASSEMBLY; Fig. 3

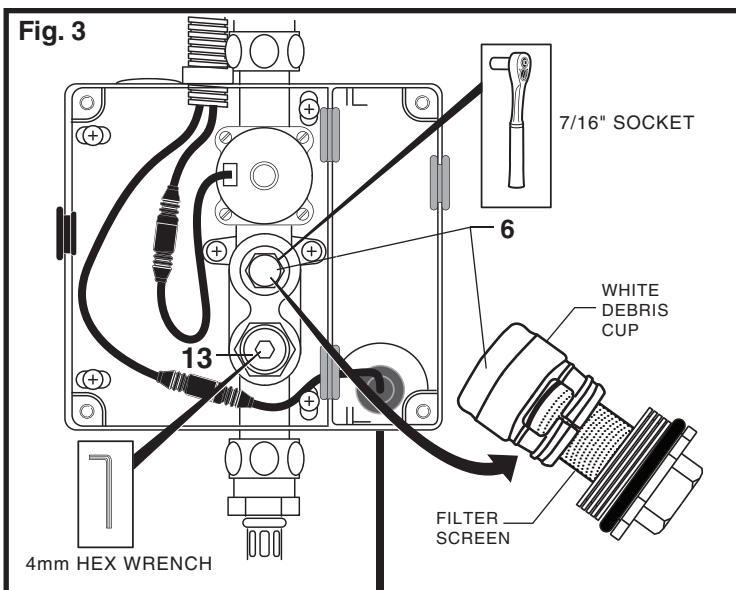
CAUTION Before opening ENCLOSURE disconnect AC power supply.

1. Remove ENCLOSURE COVER.
2. Close SUPPLY STOP (13) with 4mm Hex wrench.
Note: Activate sensor to keep water flowing out of faucet while shutting off.
3. Unthread FILTER ASSEMBLY (6) using a 7/16" socket.
4. Pull out the FILTER ASSEMBLY (6), remove and clean white debris cup and filter screen.
5. Install the FILTER ASSEMBLY (6) back in its place and tighten with a 7/16" socket.

Caution: Do not over tighten.

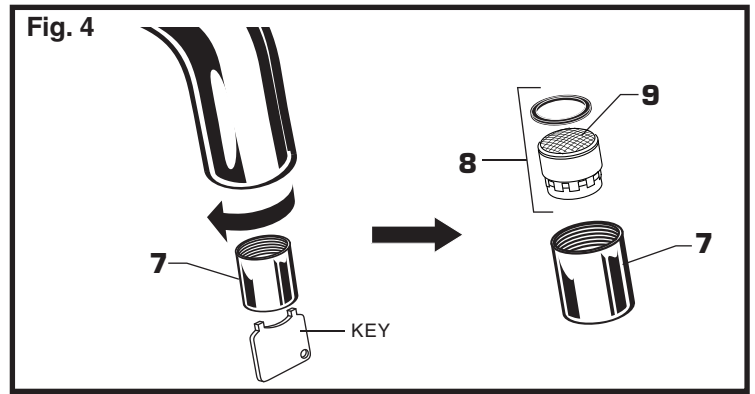
6. Open SUPPLY STOP (13) with 4mm Hex wrench.
7. Replace ENCLOSURE COVER. Tighten cover screws firmly.

Fig. 3



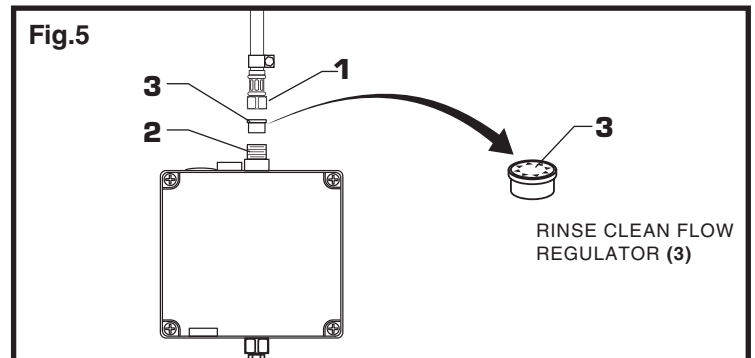
D HOW TO CLEAN AND REMOVE THE AERATOR OR SPRAY; Fig. 4

1. Remove AERATOR or SPRAY HOUSING (7) with KEY supplied with faucet.
2. Remove AERATOR or SPRAY (8) from HOUSING (7).
3. Clean the AERATOR or SPRAY SCREEN (9).
4. Reassemble and install into spout end. Be sure the black seal washer is in place.



E HOW TO CLEAN FLOW REGULATOR; Fig. 5

1. Remove SUPPLY HOSE (1) from top of CONTROL BOX ASSEMBLY (2). Pull out FLOW REGULATOR (3) from CONTROL BOX ASSEMBLY (2).
2. Rinse clean FLOW REGULATOR (3). Reassemble SUPPLY HOSE (1) to top of CONTROL BOX ASSEMBLY (2).



F GENERAL CLEANING; Fig. 5

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.



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?

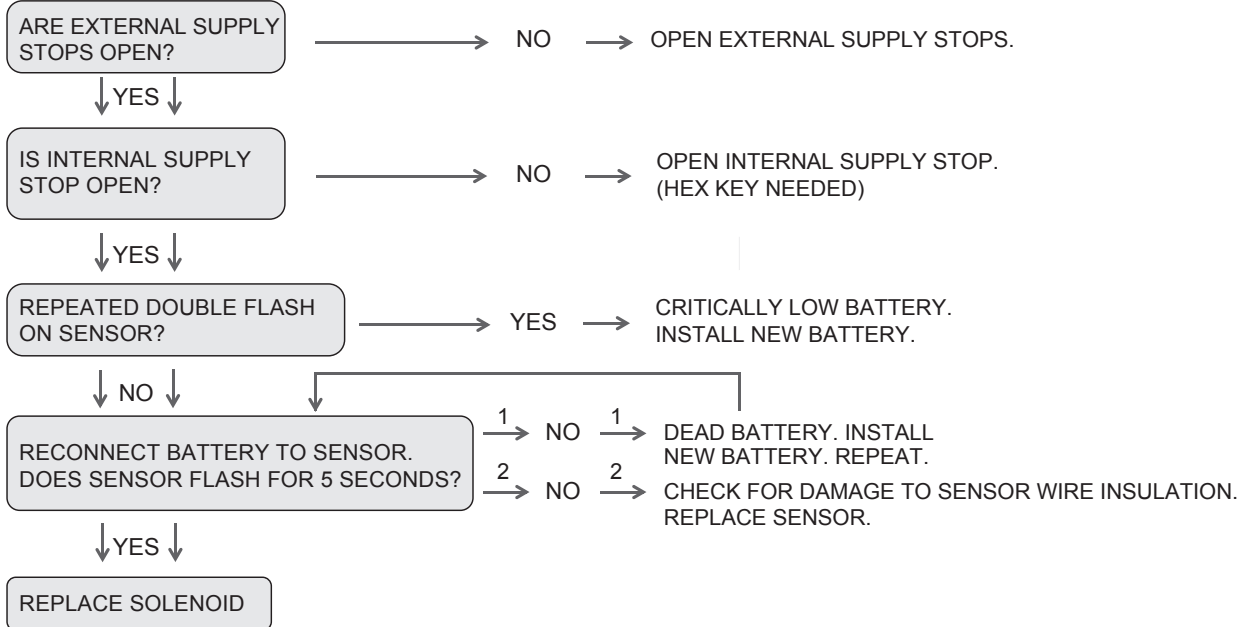
A: Battery may need replacement. Check. If sensor continuously blinks 2 times interrupted by pause, replace battery or call (855) 752-9259.

Q: What is the normal operating pressure range?

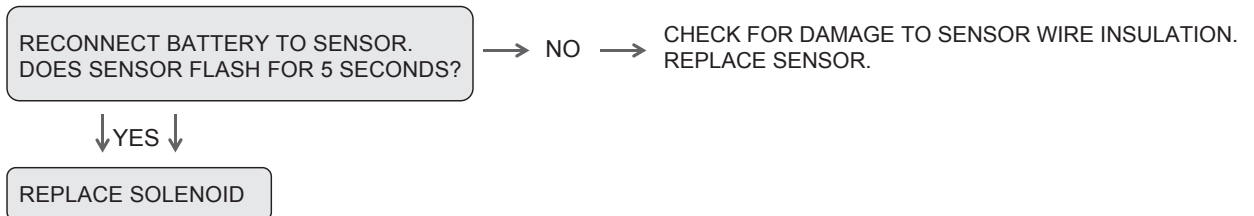
A: Faucet will operate with supply pressures ranging from 20-80 psi.

TROUBLESHOOTING FLOW CHARTS

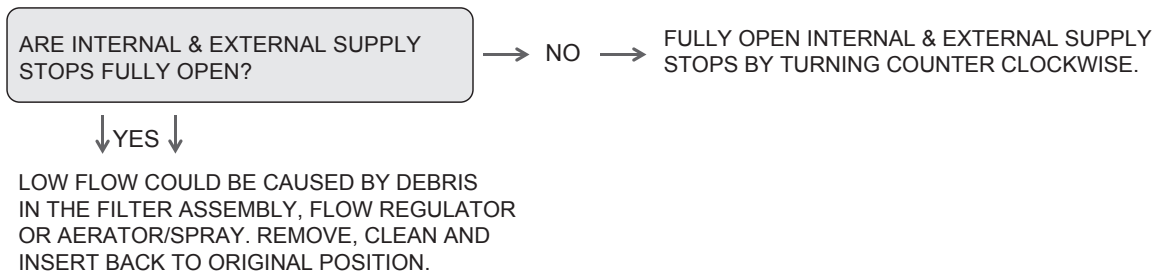
UNIT DOES NOT FUNCTION



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
Weekdays 8:00 a.m. to 6:00 p.m. EST
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

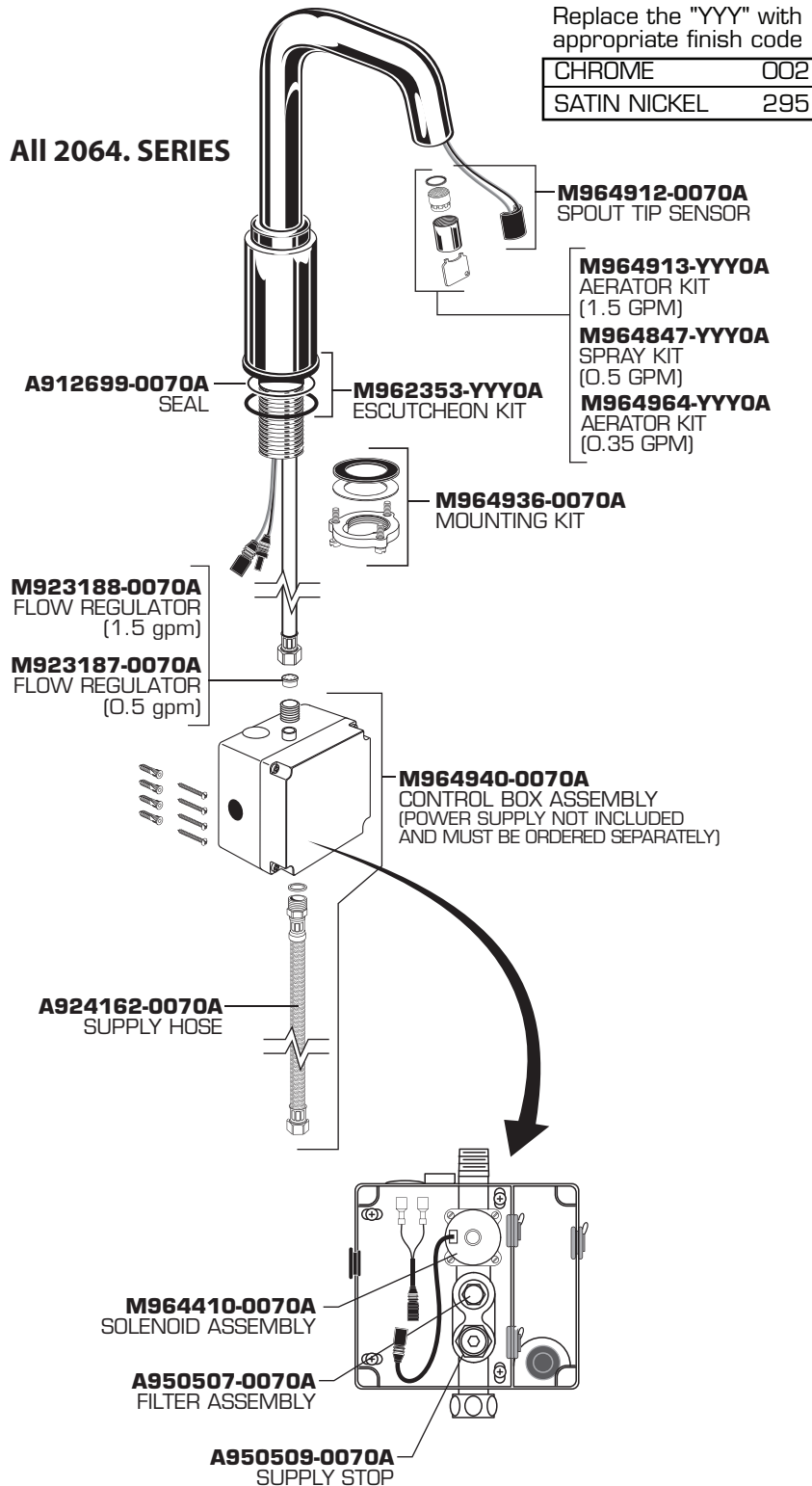
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American Standard

SERIN™ Deck Mount Electronic Proximity Lavatory Faucet

All 2064. SERIES



2064P400.XXX
4" DECK PLATE

2064P800.XXX
8" DECK PLATE

| MODEL NUMBERS | | |
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DC LONG LIFE POWER PACK

2064.142
2064.145
2064.146

M950357-0070A
LONG LIFE BATTERY

DC STANDARD BATTERY

2064.153
2064.155
2064.156

M950514-0070A
BATTERY HOLDER

A923654-0070A
BATTERY 6V CR-P2

AC Plug-in

2064.162
2064.165
2064.166

M950338-0070A
POWER SUPPLY

AC Hardwire

2064.192
2064.195
2064.196

M950511-0070A
10' MULTI
EXTENSION CABLE

M950520-0070A
POWER SUPPLY

M950512-0070A
Y CONNECTOR

AC Multi

2064.172
2064.175
2064.176

M950511-0070A
10' MULTI
EXTENSION CABLE

M950512-0070A
Y CONNECTOR



HOT LINE FOR HELP
For toll-free information and answers to your questions, call:
(844) CRT-TEAM / (844) 278-8326
Weekdays 8:00 a.m. to 6:00 p.m. EST
IN MEXICO 01-800-839-1200
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