

INSTALLATION INSTRUCTIONS PATIO URINAL ANTI-MICROBIAL (REAR)

18645IN-SS-0(0.5 L)/16321IN-SS-0(1 L, TOUCHLESS)

BEFORE YOU BEGIN

- Read these instructions carefully to familiarize yourself with the required tools, materials, and installation sequences. Follow the sections that pertain to your particular installation. This will help you avoid costly mistakes. In addition to proper installation, read all operating and safety instructions.
- All information in these instructions is based upon the latest product information available at the time of publication. Kohler Co. reserves the right to make changes in product characteristics, packaging, or availability at any time without notice.
- These instructions contain important care, cleaning, and warranty information - leave these instructions for the consumer.
- In case a product is damaged when unpacked for the first time, **do not install the product and immediately report to customer care.**

NOTES

- Follow all local plumbing and building codes.
- Turn OFF the water supply.
- Carefully inspect the new fixture for any signs of damage.
- Be very careful while handling vitreous china products.

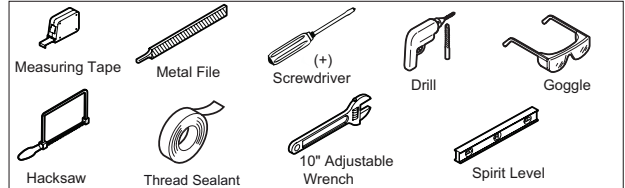
RECOMMENDED URINAL SENSORS: (18645IN-SS-0)

PATIO™ Urinal Sensor 24199IN-C01/C03-**
PATIO™ Urinal Sensor DC 8791T-C01-**

SENSOR SPECIFICATIONS: (16321IN-SS-0)

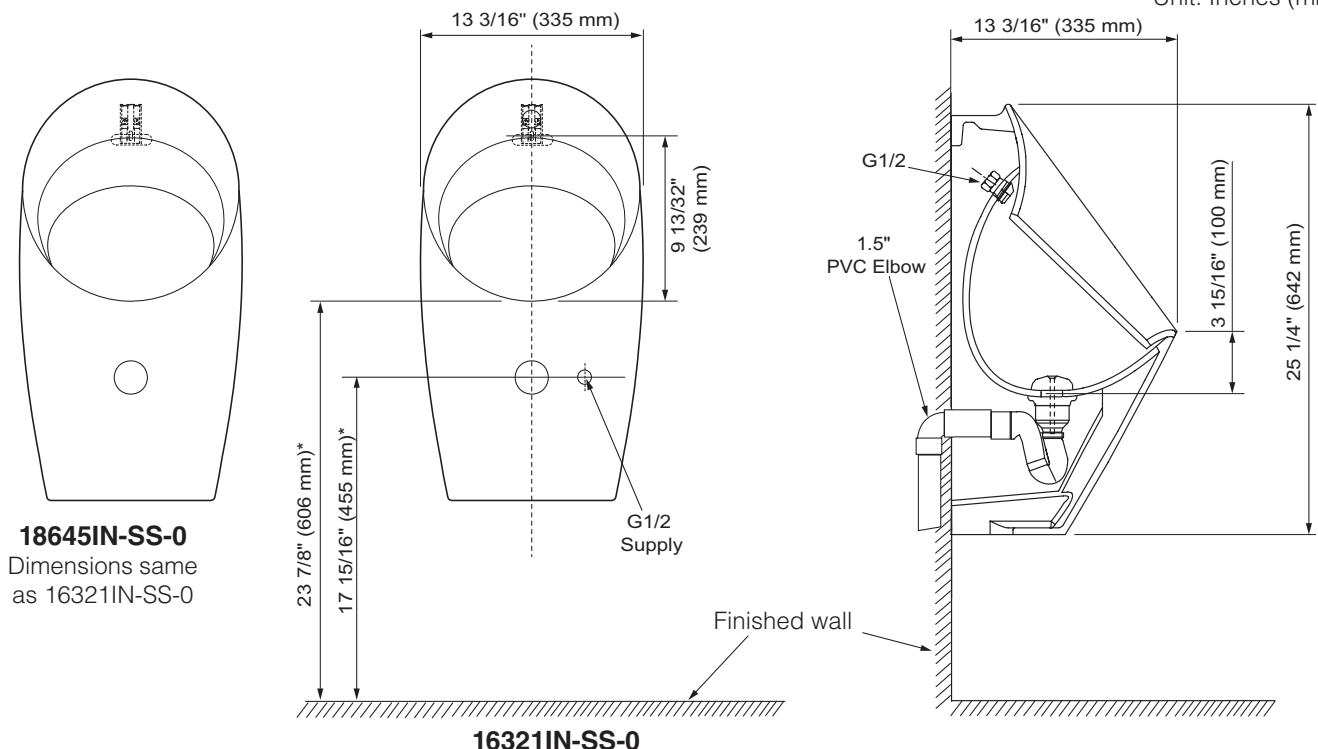
Model	16321IN-SS-0
Power	2 "AAA" size alkaline batteries
Operating conditions	Water pressure between 0.18~0.55 MPa: Environmental temperature: 1° to 55°C
Flush volume	No more than 1 L (for single flush)
Sensing distance	700 mm away from sensing window (automatic adjustment range: 500~700 mm)
Sensor confirmation time	About 2 seconds or 5 seconds (automatic adjustment)
Flushing mode	Dual Flush

TOOLS & MATERIALS REQUIRED (Not supplied)



ROUGH-IN DIMENSIONS

Unit: Inches (mm)



Notice:

- Fixture dimensions are nominal and conform to tolerances according to ASME Standard A112. 19.2M.
- Product illustrations shown are representative only, actual products may vary.
- Kohler Co. reserves the right to make changes in product characteristics, packaging, or availability at any time without notice.
- * Recommended dimensions for installation, please adjust according to site conditions if needed.

INSTALLATION INSTRUCTIONS

1. PREPARATION

- Turn OFF the water supply.
- Install or relocate the supply tubing and waste pipe as necessary to conform to the rough-in dimensions.
- Install the shut-off valve.
- Install adequate support framing if required.



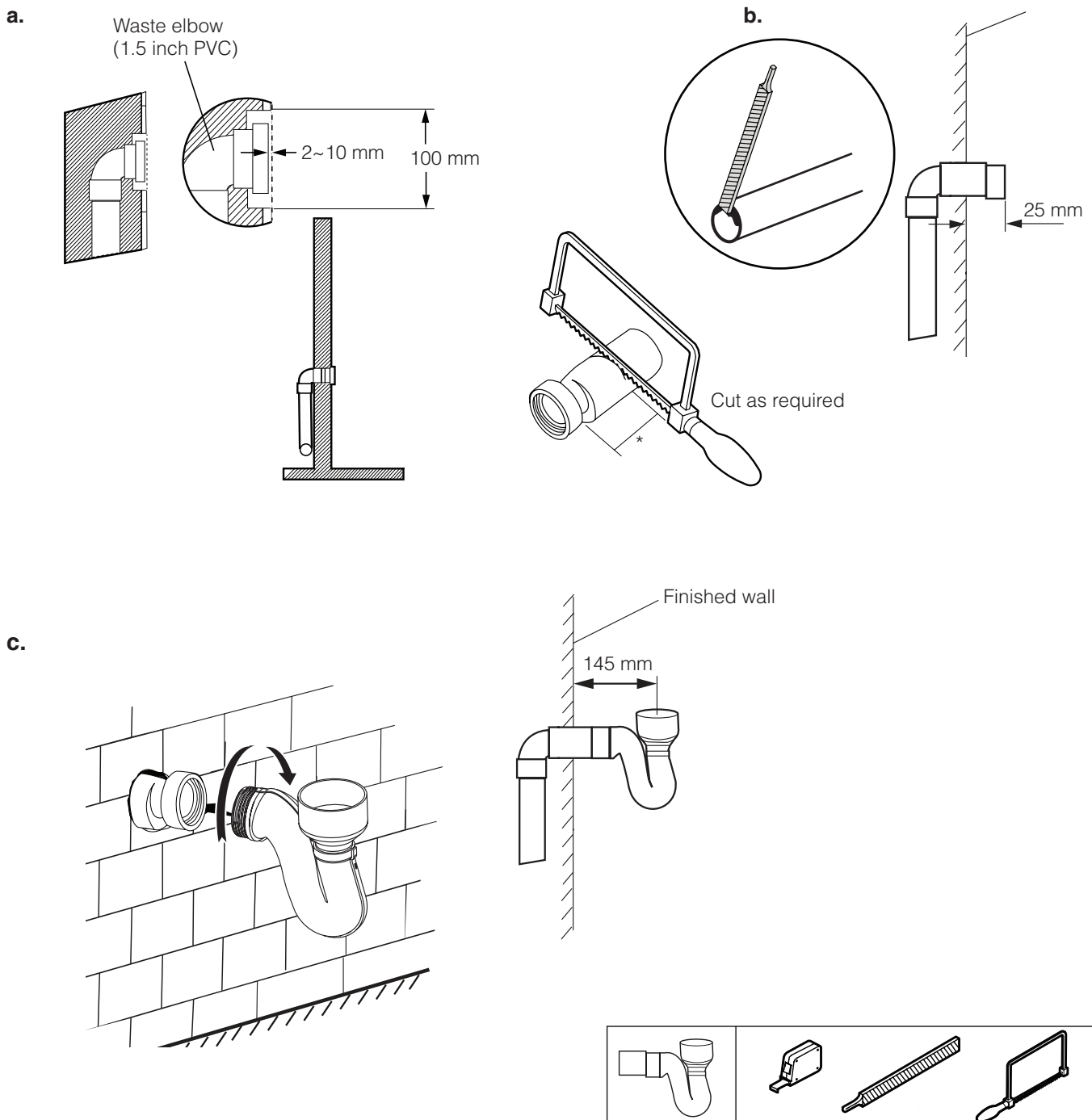
CAUTION:

Do not under size waste piping as the waste will lead to clogging of the outlet and reduction in the rate of waste outflow.

INSTALLATION INSTRUCTIONS

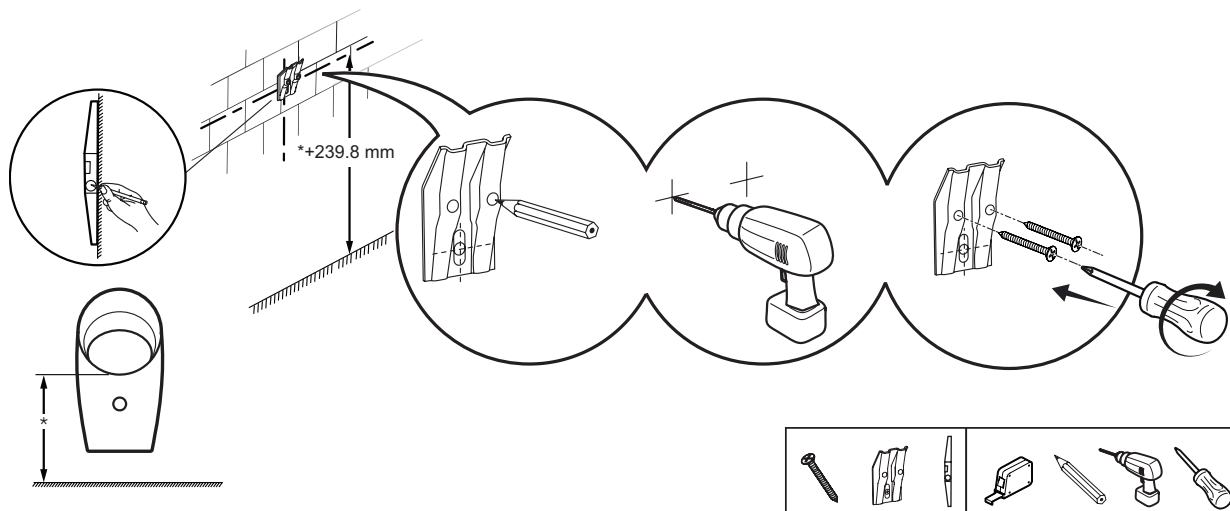
1 INSTALL OUTLET CONNECTION

Position for waste elbow (1.5" PVC) according to rough-in dimensions. Connect the outlet connection with the S-trap way. Insert the gasket into the S-trap way as shown. Apply sealant on the outlet pipe, connect the outlet pipe with the waste elbow.



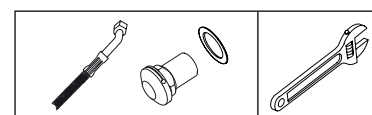
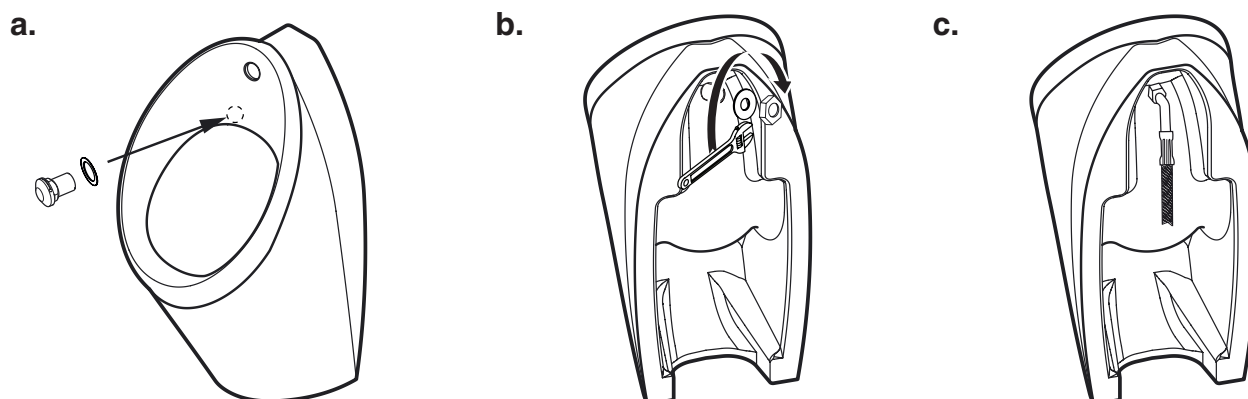
2 INSTALL HANGER

Drill 2 mounting holes on the wall and install a hanger. Install the hanger on the wall by tightening screws and anchors.



3 INSTALL INLET PIPE

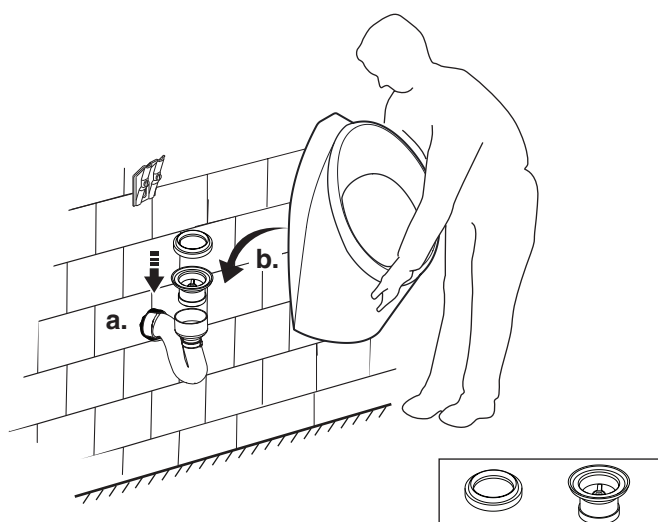
Connect the water distributor with the urinal as shown. Connect supply hose from back side.



INSTALLATION INSTRUCTIONS (18645IN-SS-0)

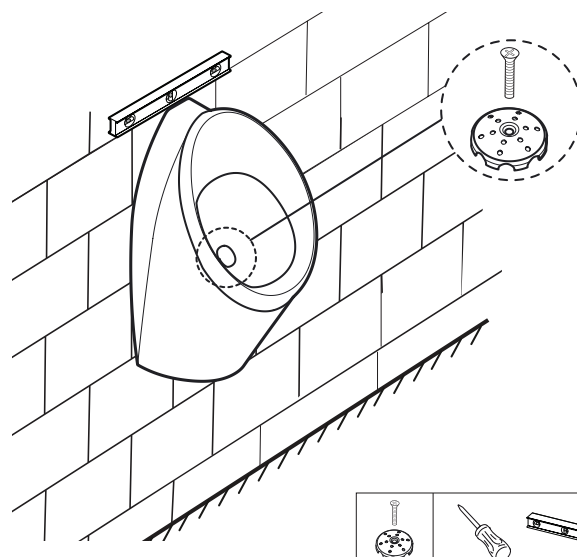
4 INSTALL URINAL

Install the urinal on the hanger and align the center of the S-trap with the waste hole in the urinal.



5 INSTALL BEEHIVE STRAINER

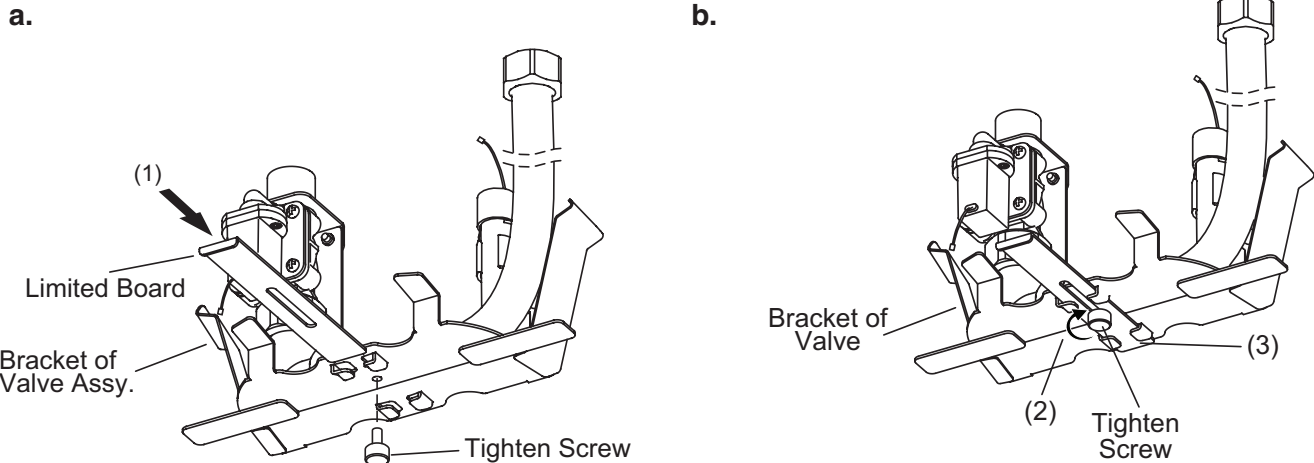
Install the beehive strainer by tightening the screw.



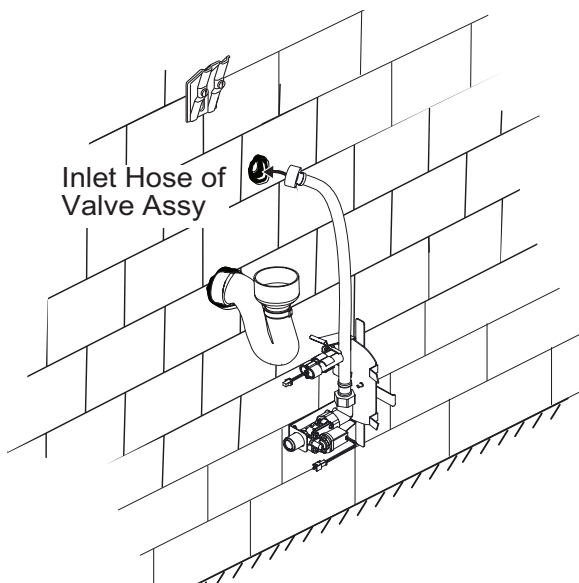
INSTALLATION INSTRUCTIONS (16321IN-SS-0)

6 INSTALL THE INLET HOSE OF VALVE ASSEMBLY.

Take out the valve assembly bracket. Install the limited board (1). Tighten the tightening screw (2). The inserting depth position is shown as (3). Connect the inlet pipe with the water supply on the wall.



7



8

INSTALL URINAL

Lift up the urinal and level the installing hole on the back of the urinal with the hook. Level the outlet connection, which is installed together with the strainer and the gasket on the trap way. Then insert the outlet connection into the gasket and hang the urinal on the hooks.

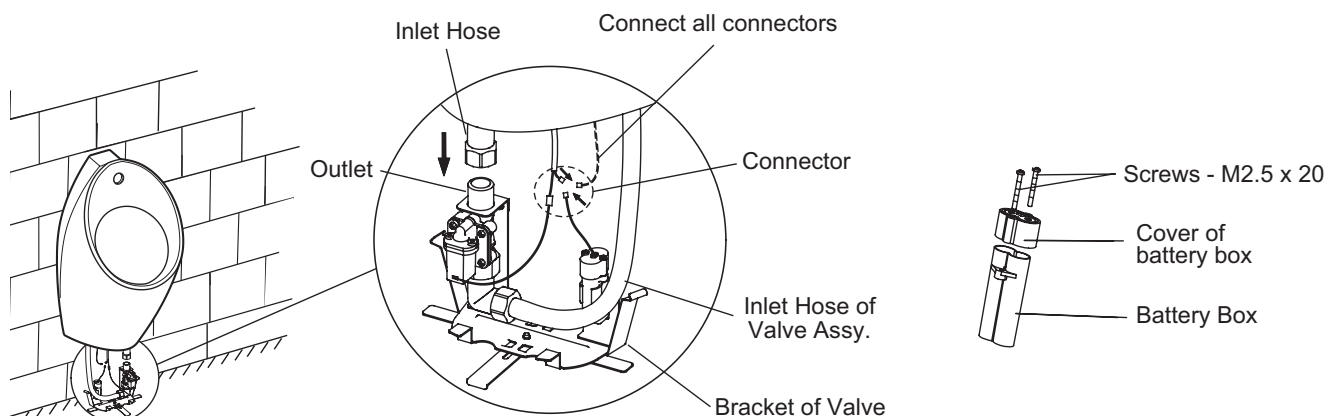


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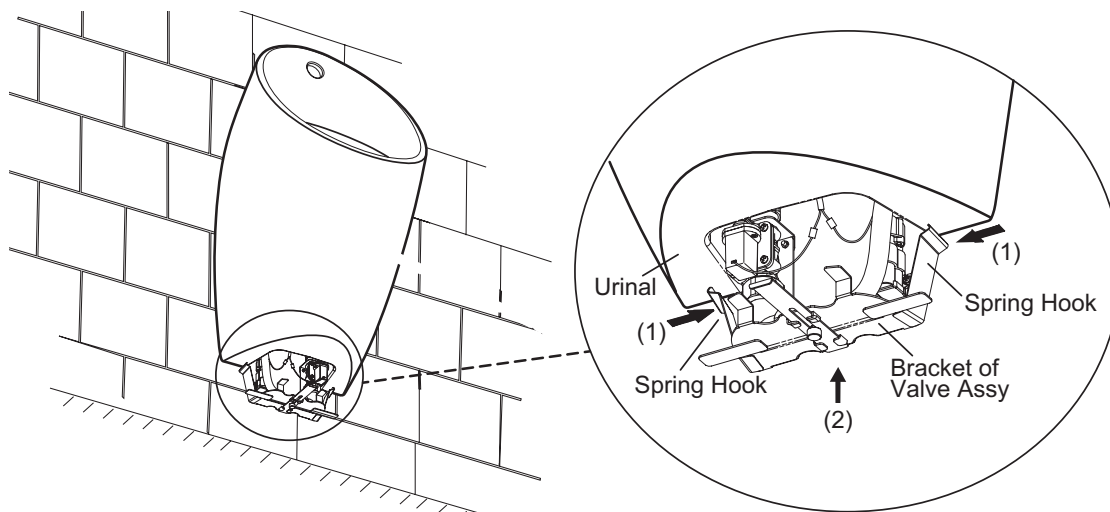
INSTALL THE BRACKET ASSEMBLY.

Connect the outlet of valve assembly with the inlet hose. Take out the battery box from the bracket assembly. Loose the screws of the battery box assembly with a screw driver. Install 2 "AAA" size alkaline batteries and tighten the battery box's cover with the screws. Replace the battery box. Connect the wires with the same color wires.

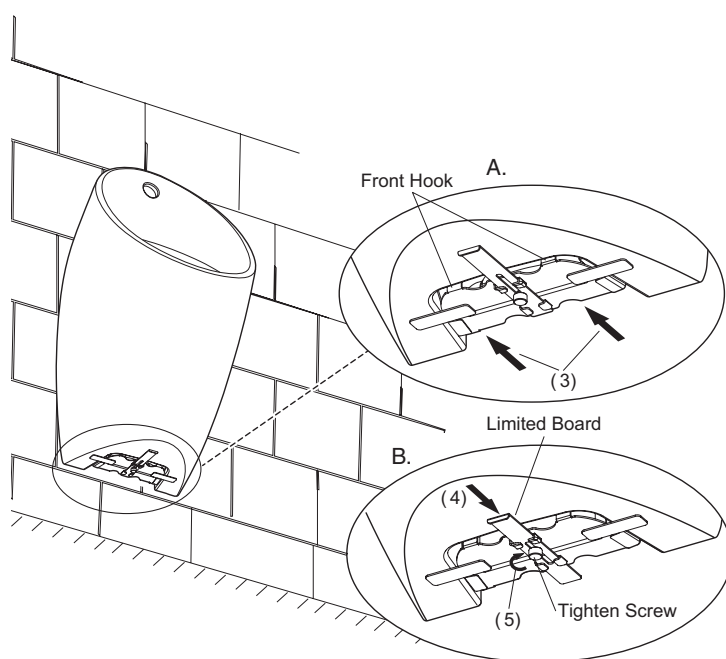
Notice: Do not mistake the polarity of the batteries and do not mix the new and used batteries together.



- 10** Press the 2 springs inward towards the center of the bracket (1). Press the bracket against the wall (2) and push the bracket up until the springs hang on the urinal.

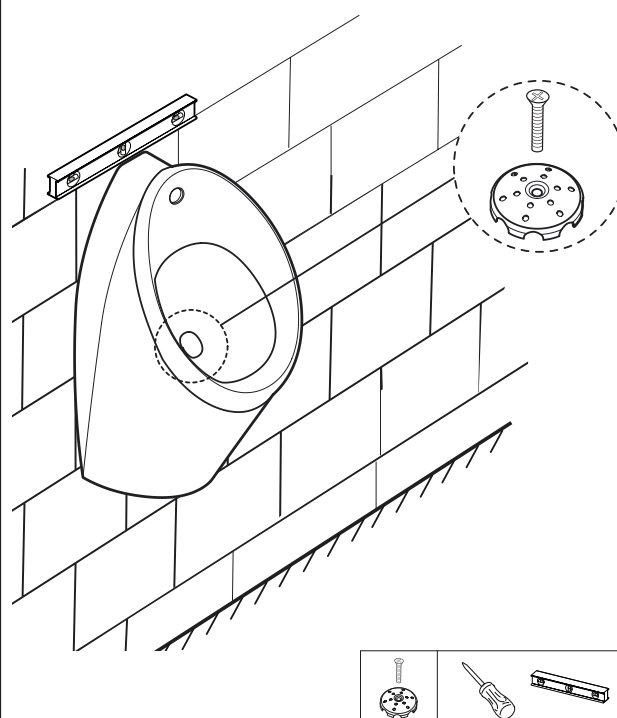


- 11** A. Push the bracket away from the wall until the front hooks of the bracket hang on the urinal (3).
B. Loosen the tightening screw, push the limiting board to the wall (4) and then tighten the screw (5).



12 INSTALL BEEHIVE STRAINER

Install the beehive strainer by tightening the screw.



USER'S GUIDE (16321IN-SS-0)

After the system powers on, the initial 10 minutes is set up time. The sensing distance will be adjusted during this period. Do not use the system during this period.

Set Working Status:

1. The default flushing type is set as dual flush. If you want to change to single flush, place manual flush stick adjacent to right side of sensing window for more than 1 second during the 10-minute standby period (Human presence in sensing range would cause the indicator to flash fast). The sensor would generate a flushing cycle to indicate the setup of the sensor has been adjusted to only a single flush. If the adjustment is not made during the initial 10 minutes set up time or you want to restore dual flush, plug off the power and reconnect the power supply, wait until the indicator stops flashing, and repeat the above procedure.
2. The sensor confirmation time is set to 2 s to avoid false flushing. The sensor automatically adjusts between 2 s to 5 s.

Replacement of Batteries:

When out of power, the indicator will flash every 2 seconds and the sensor will not work until new batteries are supplied. When replacing batteries, open the cover of the battery box and put in new batteries.

Deodorizing Flushing:

The urinal will take a flush automatically when the urinal used 3 or 4 times in 2 minutes.

Manual Flushing:

In case a manual flush is required, bring the manual flush stick close to the sensor window once. The system is now in manual mode and is indicated by the indicator flashing every second. Bring the manual flush stick close again to flush once. The system remains in manual state for about 8 minutes before returning to the normal working state.

Notice: In case manual flushing mode needs to be reverted sooner than 8 minutes, keep the manual flush stick near the sensing window for 30 seconds. The system will return to normal working state.

MAINTENANCE (16321IN-SS-0)**Urinal repair:**

During repair, you do not need to remove the sensor. Cover the sensing window with tape.

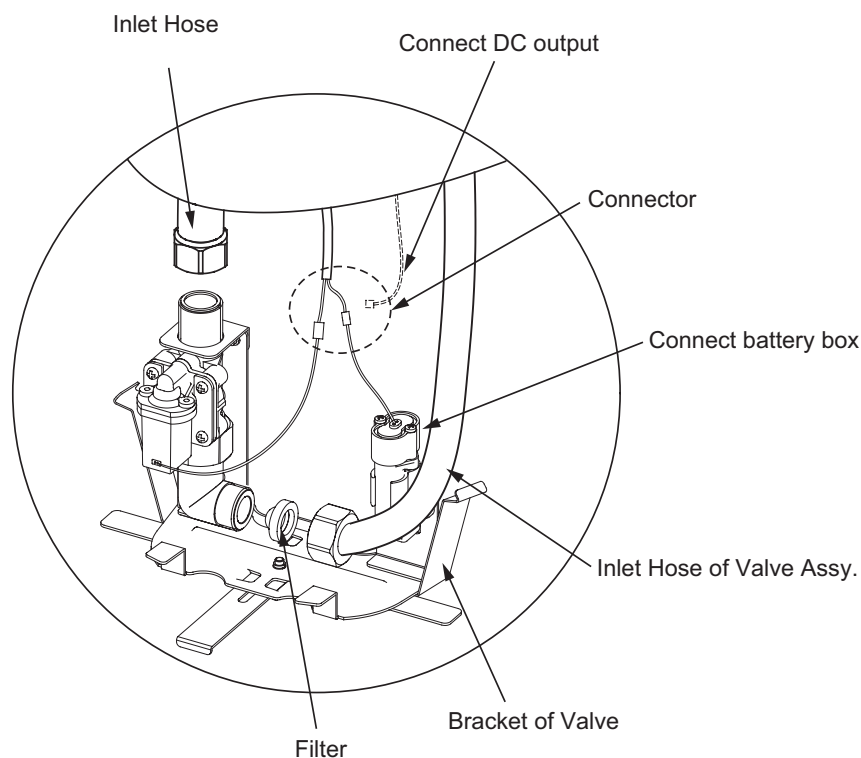
NOTICE: Do not use very strong adhesive tape as the scar maybe hard to remove.

Cleaning the filter:

If the flushing volume declines sharply after usage for a long time without any fall in water supply pressure, the filter may need a wash.

Remove the valve assembly bracket. Remove the water inlet hose and then take out the filter. Clean the filter with a brush and reassemble.

Caution: Turn off the water supply before cleaning the filter.



Care & Clean: Keep the sensing window clean. Wipe with soft cloth and mild cleaner.

Notice:

- A. Do not use dust-removing powder, abrasive powder or cleaner containing oil, acid or alkaline ingredient.
- B. Do not spray air-refresher, disinfection, or other deodorizing, cleaning solvent directly into the sensing window.
- C. Keep wires and connectors away from water.

TROUBLESHOOTING (16321IN-SS-0)

Please make the following checks before repair:

SYMPTOMS	PROBABLE CAUSES	CORRECTIVE ACTIONS
No flushing (Indicator not flashing).	1. No power. 2. There is an object within the sensing distance. 3. The sensing window needs cleaning.	1. Check the power connection. 2. Remove the object . 3. Clean the window.
No flushing or poor flushing while the indicator is flashing.	1. Still in the waiting status. 2. Control stop not open. 3. Low water pressure. 4. The filter is obstructed.	1. Wait for 10 minutes. 2. Open the control stop completely. 3. Improve the water pressure. 4. Clean the filter.
The indicator keeps flashing and there is no flush.	Out of electricity.	Replace the batteries.

CONSUMER RESPONSIBILITIES (18645IN-SS-0)

1. In hard water areas, Verify that the opening in the “slip nut assembly” should be cleaned and unclogged to achieve proper flushing.
2. Please follow the ceramic cleaner manufacturer’s instruction carefully
3. Do not use abrasives cleaners or solvents.

To Achieve Desired Performance:

1. Flushing Performance at 0.5 L with Patio Urinal Sensor 24199IN-C01/C03-** can be obtained under the following conditions:
 - Pre Flush OFF.
 - Post Flush Time- 4 sec.
 - Minimum Water Supply Line Pressure- 50 psi.
 - Minimum Flow Rate- 7.5 lpm.
2. Filter of urinal sensor should be cleaned once in 6 weeks (normal water). Once in 3 weeks (treated water).
3. Drain Line of Urinal should be cleaned once in 8 weeks (normal water). Once in 4 weeks (treated water).

NOTE : However, actual cleaning frequency to be decided according to site conditions & usage frequency.

CONSUMER RESPONSIBILITIES (16321IN-SS-0)

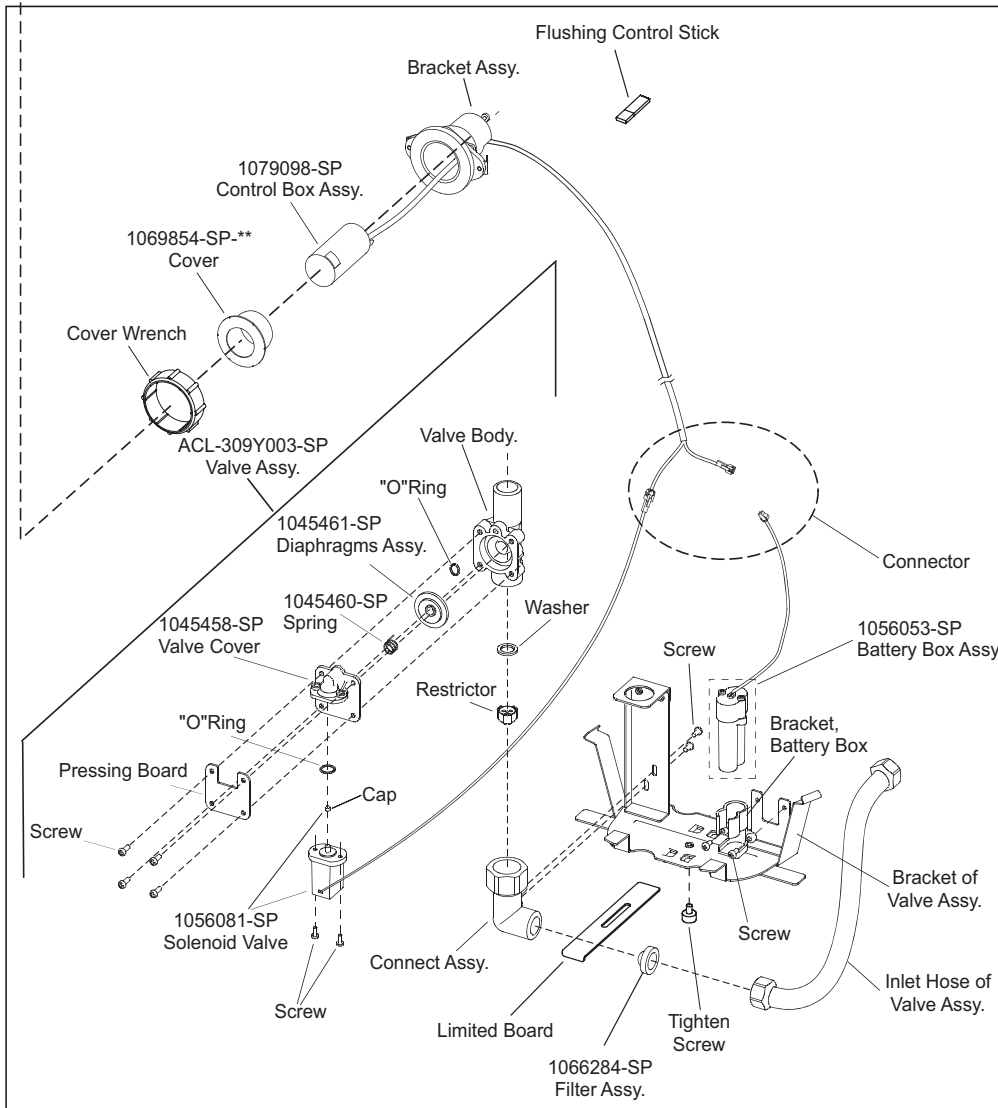
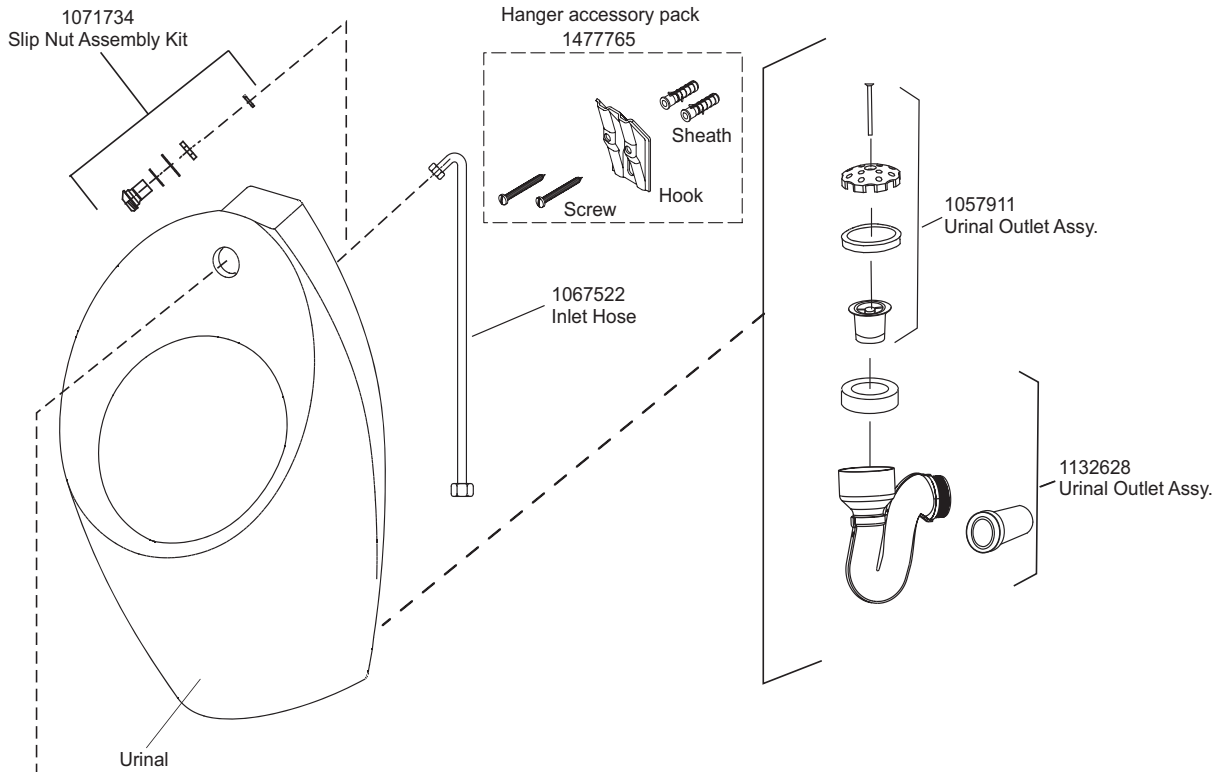
1. In hard water areas, Verify that the opening in the “slip nut assembly” should be cleaned and unclogged to achieve proper flushing.
2. Please follow the ceramic cleaner manufacturer’s instruction carefully
3. Do not use abrasives cleaners or solvents.
4. Do not let sunlight or other light sources enter or be reflected into the Sensor Window.
5. Do not hang any reflective items or install a light/electronic sensor on the wall opposite the sensor window.
6. Verify there are no strong electromagnetic fields near the sensor window.
7. Keep the sensor window clean. The sensor cover can be cleaned by soft rag with neutral liquid detergent. Do not use eradicator, abrasive powder or oil, acid or alkali liquid detergent. Do not spray air freshener, disinfectant or other kinds of odor removing, cleaning organic liquid to the sensor directly.
8. Urinal is designed for use with potable water. Avoid water that includes a lot of contaminants or acid/alkali water.
9. All installation staff should be well familiar with installation instruction.



WARNING: Risk of product damage.

- Products containing chlorine (Calcium hypochlorite) can seriously damage fittings in urinal. This damage can cause leakage and property damage.
- Do not use white cement or high lime content cements to install this toilet. The expansion of cement due to a rise in temperature may make the toilet crack or cause damage.
- Kohler co. shall not be responsible or liable for any damage to the product or user caused by installation or by the use of cleaners containing chlorine (Calcium hypochlorite).

SPARE PARTS



(16321IN-SS-0)

** Finish/color code to be specified while ordering.