MEFE
MITCHELL ENGINEERING
FOOD EQUIPMENT PTY LTD

Sensor Tap

Master Operation Manual

Installation, Operation & Maintenance Guide

Revision 1

Product Description

- This sensor tap is designed to turn on with sensor activation and off when hands are removed.
- Features a micro-computer infrared sensor control module, low consumption microprocessor chip with stable performance and high anti-interference.
- Automatically calibrates sensing range according to the environment and stores this in the electronic chip.
- A water saving aerator is used in the faucet to prevent water splash back and allow for a soft flow.
- Supplied with both AC 240V Transformer and DC 6V Battery Pack or integrated DC 6V battery pack (CAT 673031).
- The faucet has been precisely manufactured and tested, ensuring the quality of the product satisfies international standards.

Pre-Install Instructions

Please choose an appropriate basin before installation, avoid basins with strong reflective surfaces.

Please ensure all pipes have been flushed for at least 60 seconds and are clear of dirt and impurities (water must be clear).

Installation must be in accordance with the National Plumbing and Drainage standard – AS/NZS 3500.

CAT 673031 Additional Instructions

When installing/removing batteries, remove the sensor first then the battery pack.

Do not use force when unplugging wires and removing the battery pack.

Ensure the flow adjustment is set correctly for your water pressure

The sensor tap should be installed 250mm minimum above the washbasin.

Sensing Range

The sensor tap will automatically calibrate the sensing range when first connected to power. Please ensure the tap has been installed in the correct and final position before connecting to power. When connected to power the sensing light will flash indicating it is in programming mode, please do not interfere or obstruct for at least 60 seconds.

WaterMark Certified
Australia and New Zealand WaterMark certified with approved licence number WM-022559.

6 Star WELS Rating
This guarantees that the product is in accordance with the standard set under the National Water Efficiency Labelling and Standards and has the highest possible water efficiency rated 6 Stars. Licence number 1718.

DDA Compliant
Suitable for use for AS 1428.1 design and access requirements when installed in reference to AS 1428.1 2009 Amendment 1 and the intent of the Disability Discrimination Act (DDA).

Cleaning and Maintenance

Regular cleaning is essential to keep your tap looking its best.

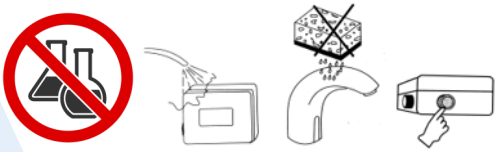
Do not use abrasive or chemical cleaners (including chlorine to clean the faucet as this can dull or damage the lustre and finish of the tap).

Do not rinse the control box with water.

Wash only with soap water and dry with a clean soft towel or microfibre cloth.

When cleaning the general area please ensure you protect the faucet from any cleaning acids or fluids as this can discolour or remove the chrome plating where applicable.

The filter screen on the solenoid valve inlet should be cleaned regularly to avoid excessive blockage and obstruction caused by impurities resulting in low water flow.



5. Warranty Conditions

1. The manufacturer's warranty covers a period of twelve (12) months from the date of delivery to the final user.
2. All spare parts supplied during the warranty period are not covered by a separate warranty, but included in the original warranty.
3. A prerequisite for the use of the guarantee is to use original parts recommended by the manufacturer, and that no modifications are made.
4. The warranty does not cover damage caused by deficient maintenance or installation.
5. The guarantor is not responsible for any damage caused by power supply other than 220V +/- 5-10% (for one phase) or inadequate frequency (other than 60Hz).
6. The manufacturer must agree to undertake within 14 days (from the date of notification by the user of the product for repair), how and when to repair, as well as free repair or parts replacement within the shortest realistic term (if the part was damaged due to defects in material or performance errors).
7. The manufacturer is liable only if the product is used in conformity with the user manual and it is revealed the defect arose from causes inherent in the goods sold.
8. Warranty does not cover damage caused by transportation and also in the case of:

   Improper operation.

   Improper storage and maintenance.

   Repairs carried out by unauthorized persons or establishments.

Fault Check

Before fault checking: please make sure the installation distance is adequate and correct by referring to the Pre-installation instructions.

The LED indicator will light up twice and then stop once after the batteries are installed. To confirm the sensor is working, place your hand within the sensing range and check that the LED indicators lights once.

Issue	Resolution
No Water Flow	To determine the cause of lack of water flow, check for sensor light. If there is no light, or if the light flashes every 1.5 seconds proceed to No Water Flow - Sensor. Otherwise if sensor light is on and activates continue to No Water Flow - Solenoid.
No Water Flow - Sensor	If there is no light, please check the power source (replace batteries, switch power point, or try a different power pack if available). If the sensor light is on and hold hands in sensing range for 5 seconds causes the sensor to flashing every 1.5 seconds, then the electrical supply is inadequate. When power is replaced, the sensor light should flash to indicate that the tap is in programming mode. If there is no flash, replace the sensor.
No Water Flow - Solenoid	Activate the sensor and listen for the click of the solenoid activation, which should occur if the solenoid is working normally. If the click occurs but there is no flow, check the solenoid valve for any obstructions and clean if necessary. If the click does not occur check the solenoid connection to the sensor. If issues persist, replace the solenoid valve.
Low Water Flow	Check the solenoid; low water flow can indicate the solenoid is not sealing correctly. Inspect the diaphragm for any damage and clean if necessary. If it's a new installation, ensure that the water pipes were flushed for a minimum of 60 seconds (until water is clear) to avoid debris entering the pressure bleed valve. If issues continue to persist, check local water pressure or replace the solenoid valve.
Constant Flow	Turn off power and disconnect the sensor. Check if water continues to flow without power or sensor; if yes, go to Constant Water Flow - Solenoid. If water doesn't flow without power continue to Constant Water Flow - Sensor.
Constant Water Flow - Sensor	Reconnect the sensor and power and restart sensor programming. Ensure that there is no reflection or obstacle to block the sensor and/or cause constant activation. If issues persist, check the power source and ensure adequate electrical supply; otherwise, replace the sensor.
Constant Water Flow - Solenoid	Check solenoid; contestant water flow can be caused by a damaged or torn diaphragm or blockage caused by debris. If blocked clear debris, if damaged or torn; replace diaphragm or solenoid valve.
Intermittent Activation	Ensure the sensor tap was installed correctly. The basin should be non-reflective, and the area around the sensor should not interfere (the sensor should be higher than the basin). Reset sensor programming by restarting power, and if needed, use cardboard to set sensor distance to remove any reflections and/or set maximum distance.
New Installation Issue	All sensor taps are confirmed tested and in working order before being dispatched. Please check and confirm all installation instructions were followed and all above troubleshooting checks have been tested.
Solenoid Leaking	When installing a solenoid ensure the inlet and outlet hoses are not reversed. The Inlet connection includes a filter mesh while the outlet connection is open.

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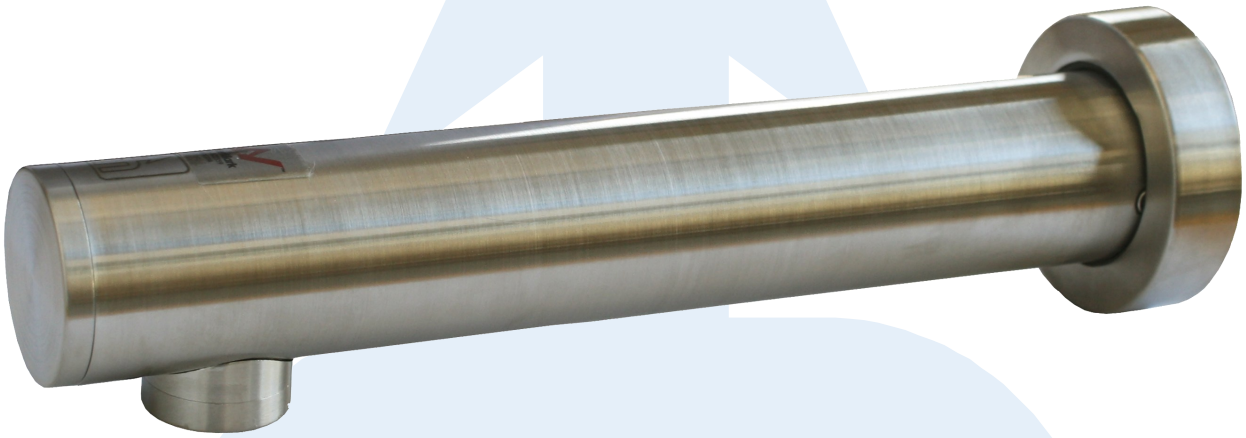


Automatic Sensor Tap

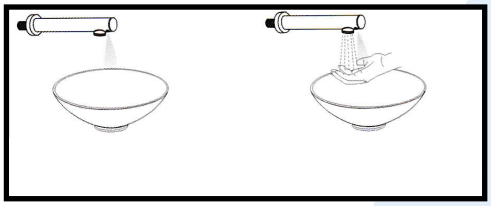
All-in-One

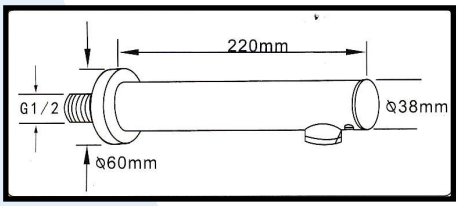
Wall Mounted

CAT 673031	CAT 673031B
Stainless Steel	Matte Black

Technical Data

1. Invisible light rays are continuously emitted from the faucet sensor.
2. When the user's hands comes into range of the senor detection zone, the solenoid valve is activated.
3. After the user removes their hands, the valve closes.
4. The circuit will automatically reset for the next user.
5. If an object is in view for 30—60 seconds, the faucet will automatically shut off. The faucet will remain off until the object is removed.



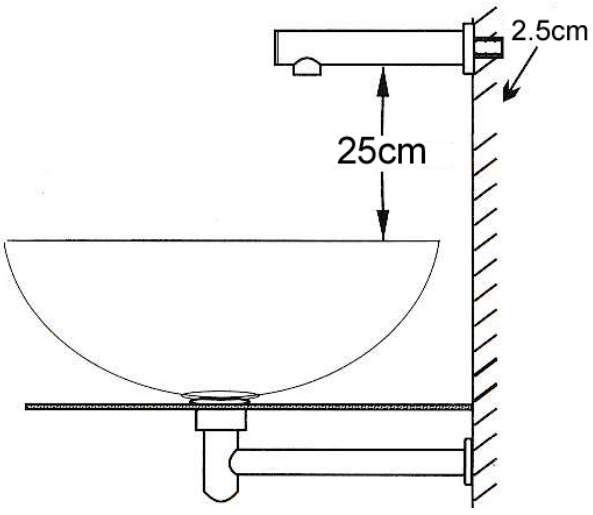


Specifications

Power	DC 6V 4 x AA alkaline batteries* (batteries not supplied)	**Installation Diameter**	Single hole to suit G 1/2"
Battery Life	150,000 cycles	**Response Time**	0.3 seconds
Sensing Distance	**Products before SN: 11044** Default approximately 10cm **Products including and after SN: 11044** Default approximately 10cm Reprogrammed with remote achieves min 0 to 5 or max 0 to 20cm**	**Water Stop Protection (Auto Shut Off)**	Approx. 60 seconds
Working Temperature	1°C - 60°C	**Working Pressure**	0.07Mpa—0.7Mpa
Inlet Size	G 1/2"	**Faucet Body Material**	Stainless Steel

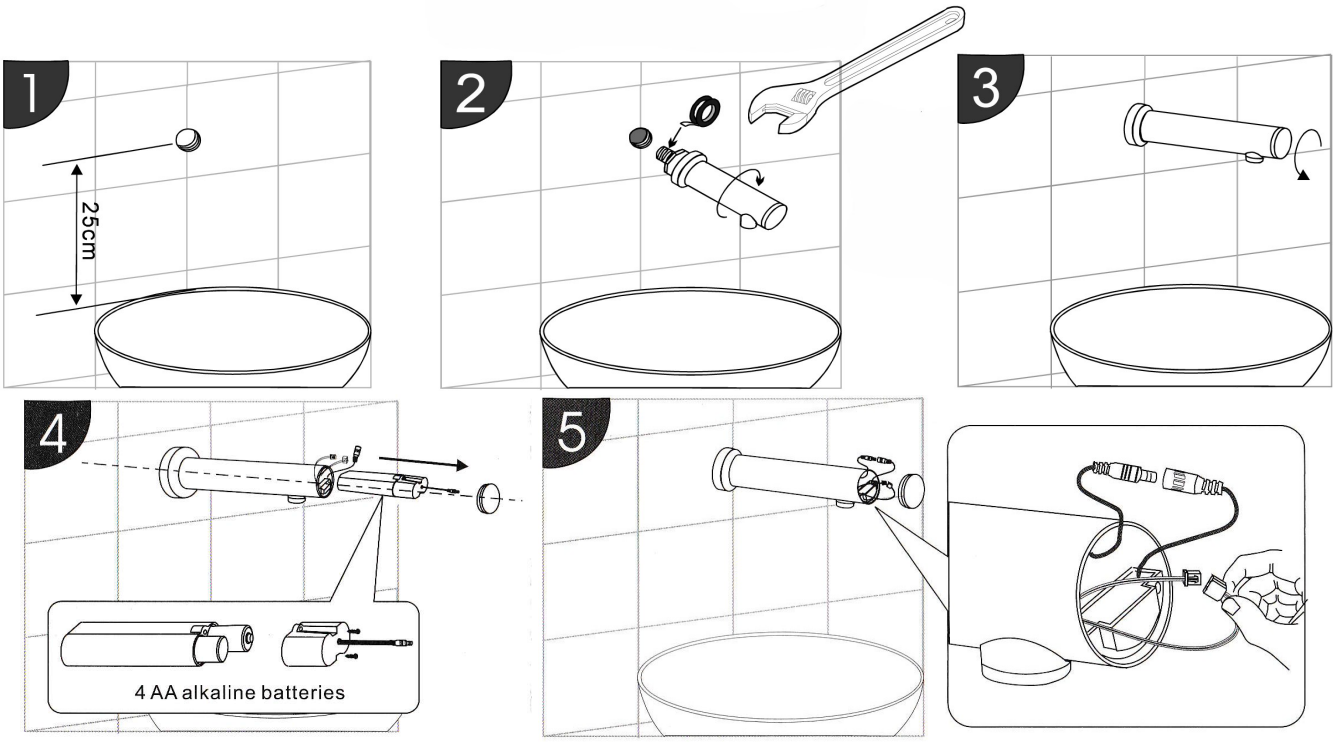
*AA Alkaline batteries must be maximum 14mm in diameter. If it seems you are forcing the batteries please choose a different brand as AA batteries can range between 13.5 and 14.5mm in diameter. We recommend Energizer Max E91 AA batteries.

**To reprogram sensing range use optional remote 673-100R.



Installation

1. Leave a hole of G1/2’ in diameter, 25mm inner thread depth in the wall (Figure 1).
2. Rest the thread end of the faucet with thread sealing tap into the G1/2’ thread hole. Use a spanner to fix it to avoid leakage of water (Figure 2).
3. Open the cap of the faucet by twisting anti-clockwise with your hand (Figure 3).
4. Take out the battery housing and install batteries. Once the batteries are installed, return the battery holder into position and put the sensor back into the faucet immediately. When the LED light does not flash, remove the sensor and plug in the solenoid valve to accurately adjust the sensing distance (Figure 4).
5. Connect the solenoid valve and the sensor. The faucet is now ready for use (Figure 5).



Sensor Range Adjustment

The unit automatically adjusts for local conditions. Once the batteries are installed, hold the sensor / battery pack in the position it would normally be situated and connect the battery terminals. The unit will flash while it is programming to the available sensing range. After 60 seconds the unit is ready for normal operation.

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Automatic Sensor Tap

Tube Design

Wall Mounted

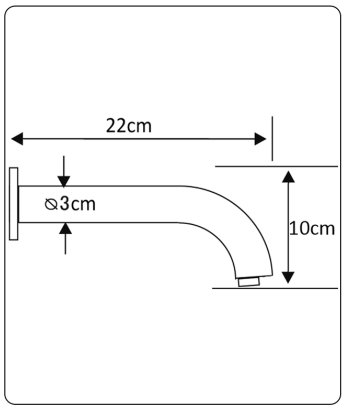
CAT 67305 CAT 67306	CAT 67305B	CAT 67305G
Chrome Plated	Matte Black	Gold Chrome Plated

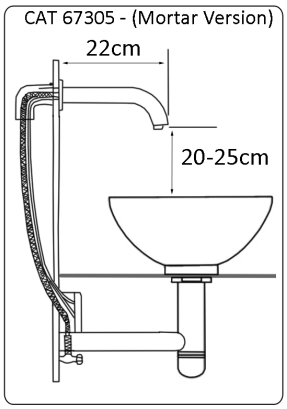
Specifications

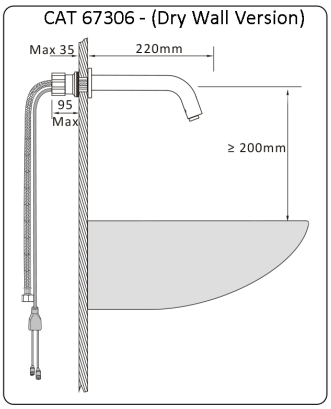
Power	AC 240V or DC 6V 4 x AA alkaline batteries* (batteries not supplied)	**Installation Diameter**	Single hole (32mm)
Battery Life	150,000 cycles	**Response Time**	Less than 0.7 seconds
Sensing Range	**Products before SN: 11044** Default approximately 10cm **Products including and after SN: 11044** Default approximately 10cm Reprogrammed with remote achieves min 0 to 5 or max 0 to 20cm**	**Water Stop Protection (Auto Shut Off)**	Approx. 60 seconds
Working Temperature	1°C - 60°C	**Flow Rate**	Less than 3 L/s at 0.3Mpa
Working Pressure	0.07Mpa—0.7Mpa	**Ambient Humidity**	95% or less
Inlet Size	BSP 1/2" (DN15) male thread	**Faucet Body Material**	Standard #65 brass, chrome plated

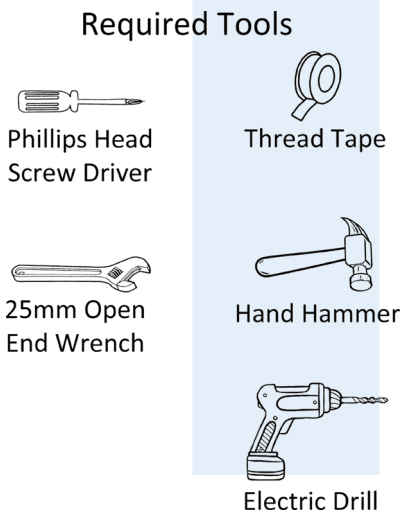
* AA Alkaline batteries must be maximum 14mm in diameter. If it seems you are forcing the batteries please choose a different brand as AA batteries can range between 13.5 and 14.5mm in diameter. We recommend Energizer Max E91 AA batteries.

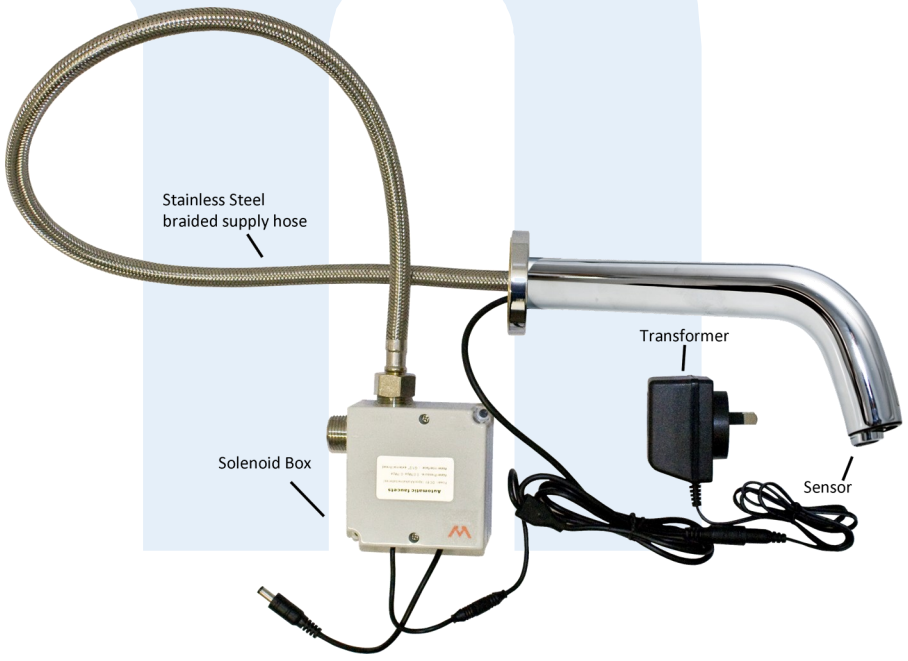
** To reprogram sensing range use optional remote 673-100R.







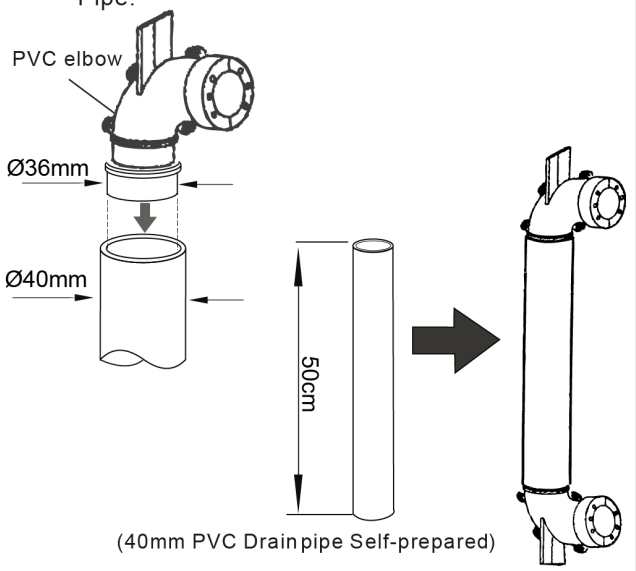




Installation of CAT 67305 (Mortar (Wet) Installation)

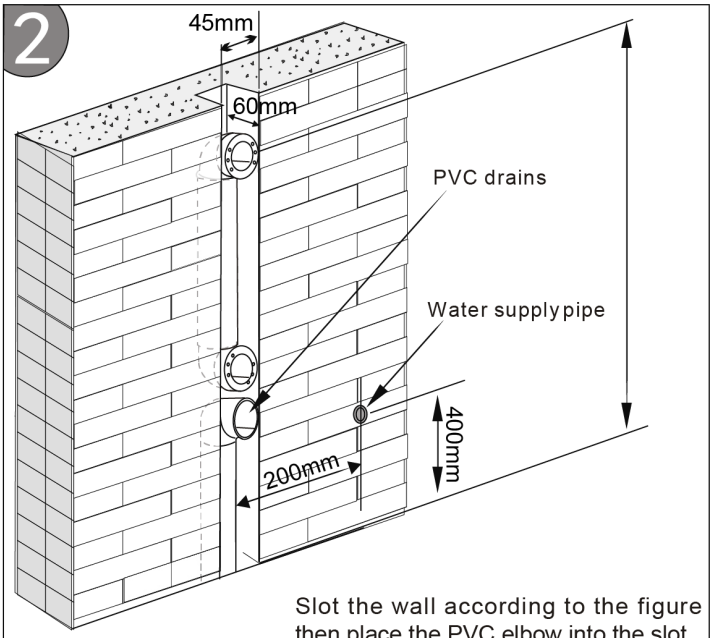
1

Prepare PVS drain pipe in advance according to the size above. Put PVC elbows into the PVC Pipe.



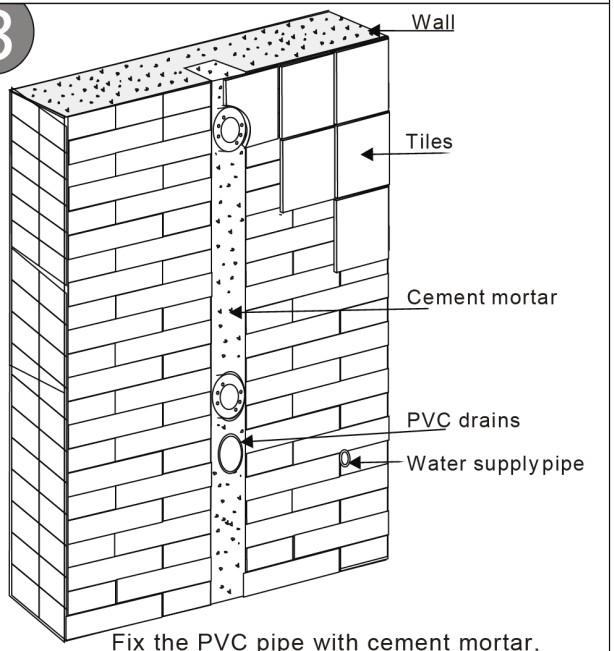
(40mm PVC Drain pipe Self-prepared)

2



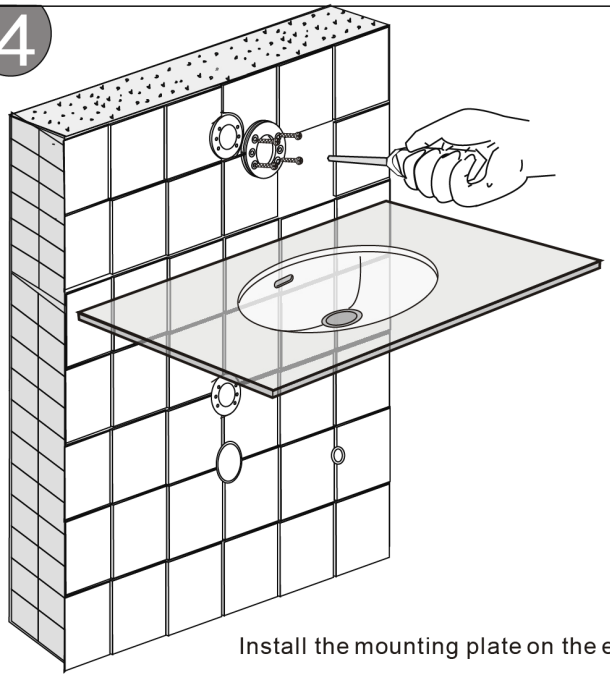
Slot the wall according to the figure then place the PVC elbow into the slot

3



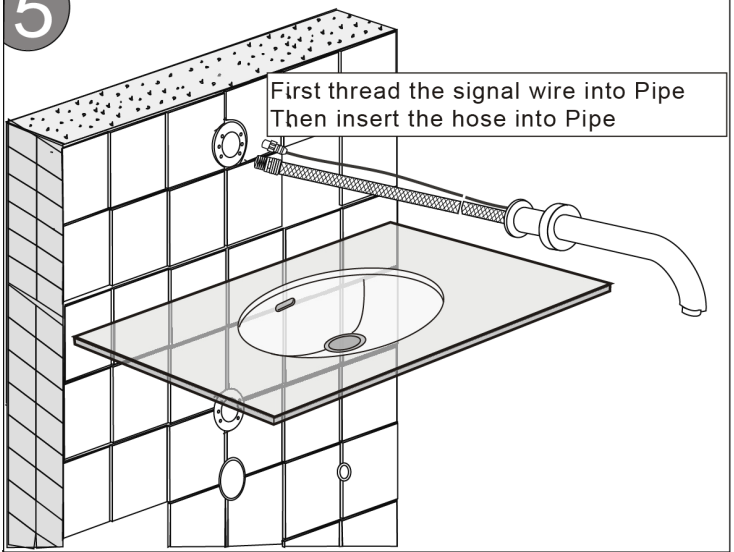
Fix the PVC pipe with cement mortar, Once this is complete,you can start tiling.

4

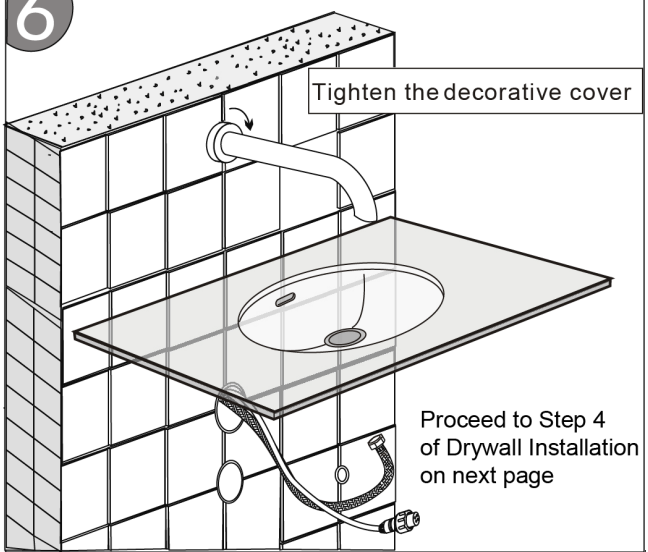


Install the mounting plate on the elbow.

5



6

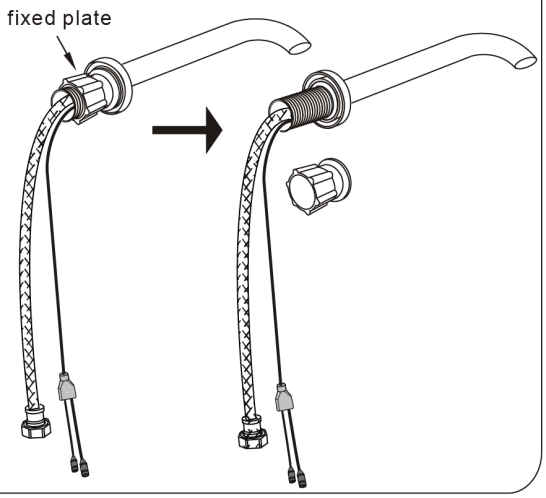


Proceed to Step 4 of Drywall Installation on next page

Installation of CAT 67305 (Dry wall Installation)

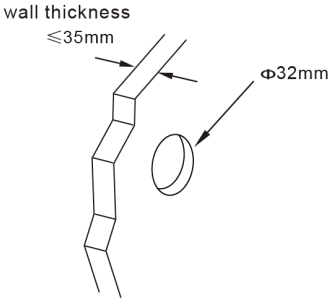
Step 1

Take the fixing plate out of the faucet



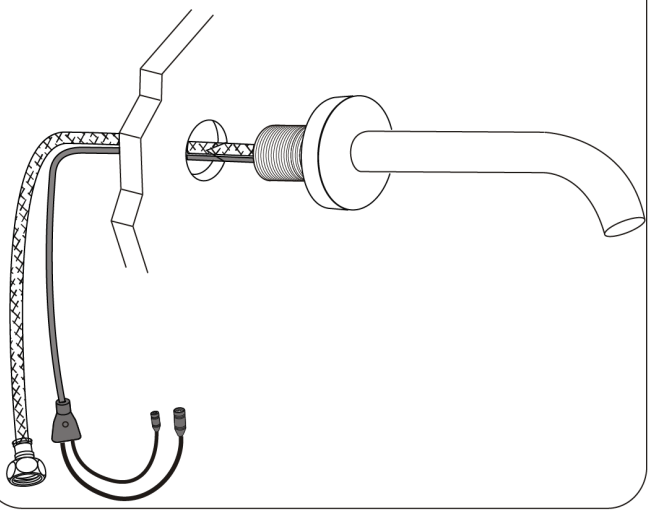
Step 2

Install the fixing plate



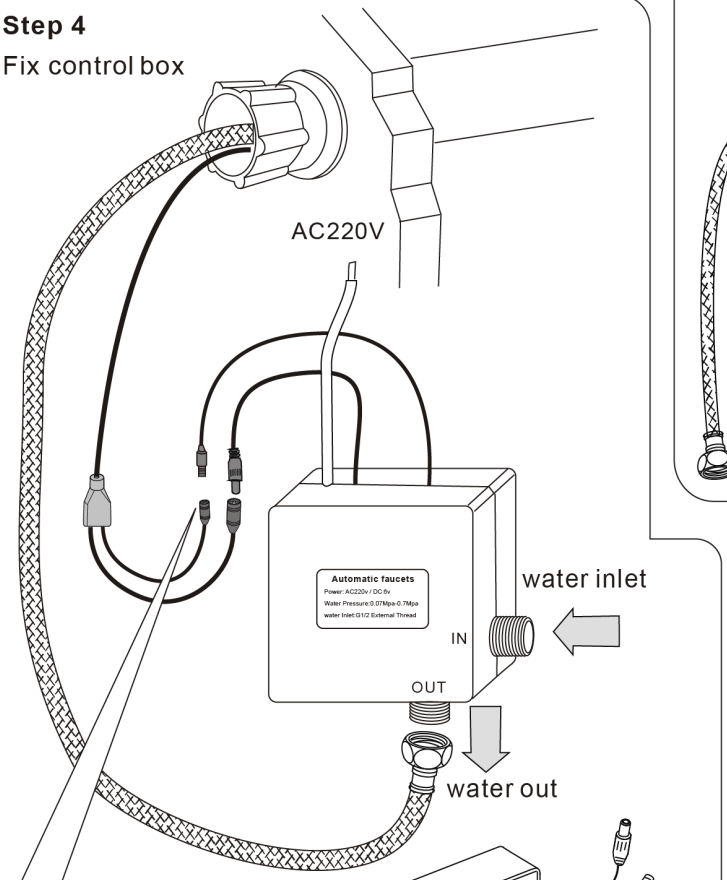
Step 3

Route the hose and signal wires through the fixing plate and wall plate

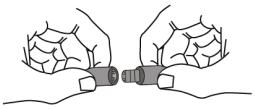


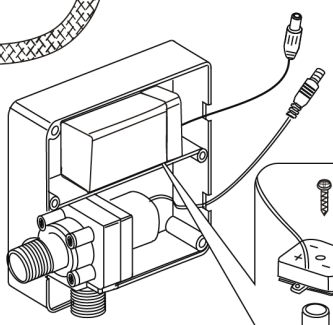
Step 4

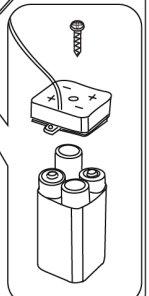
Fix control box



Pay attention to the direction of the solenoid valve plug, do not insert the reverse



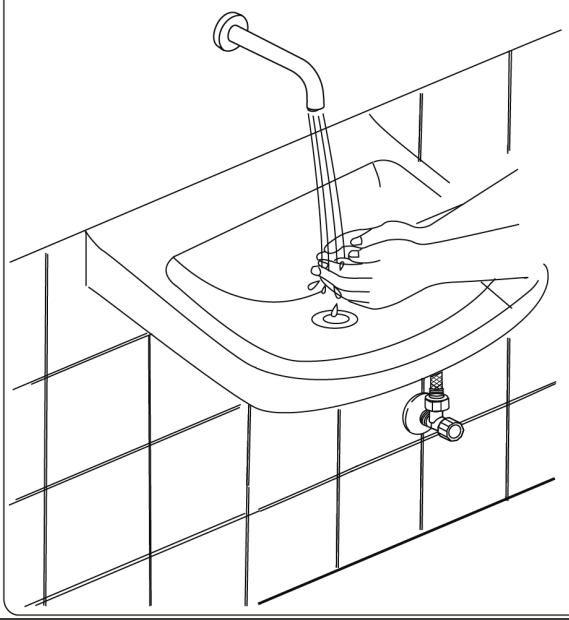




Install the battery:

When using the battery, please prepare 4 AA alkaline batteries, then open the box, remove the battery box, press the positive and negative polarity marked on the lid, insert the battery, then cover, and tighten

Insert the sensor cable into the socket on the control box. And tighten the nut。When the power is turned on, the LED on the sensor controller flashes
It can be used after the light goes out



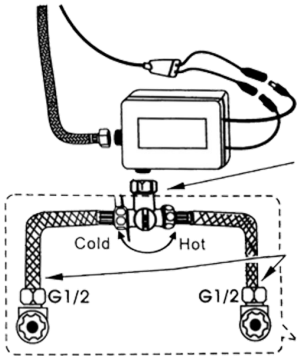
Installation cont.

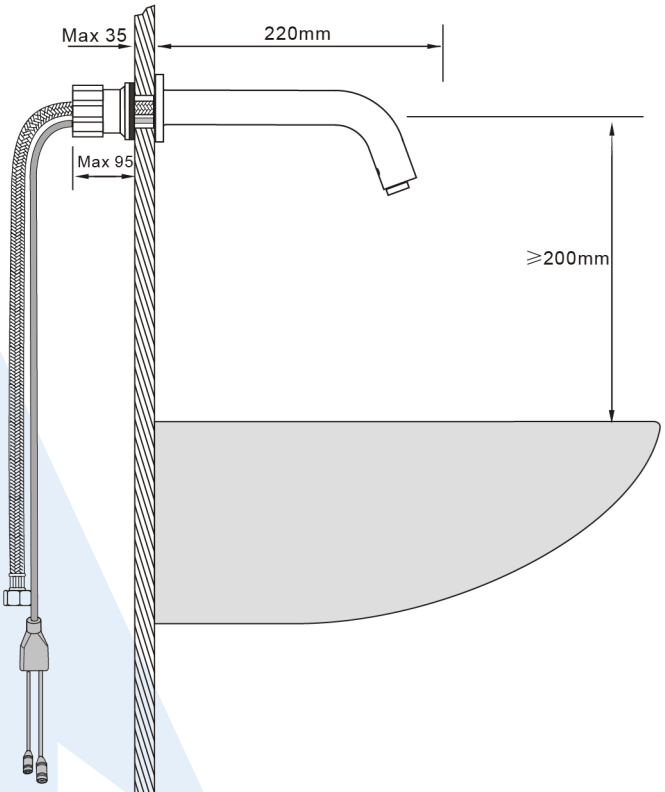
Optional: Hot and Cold Mixer

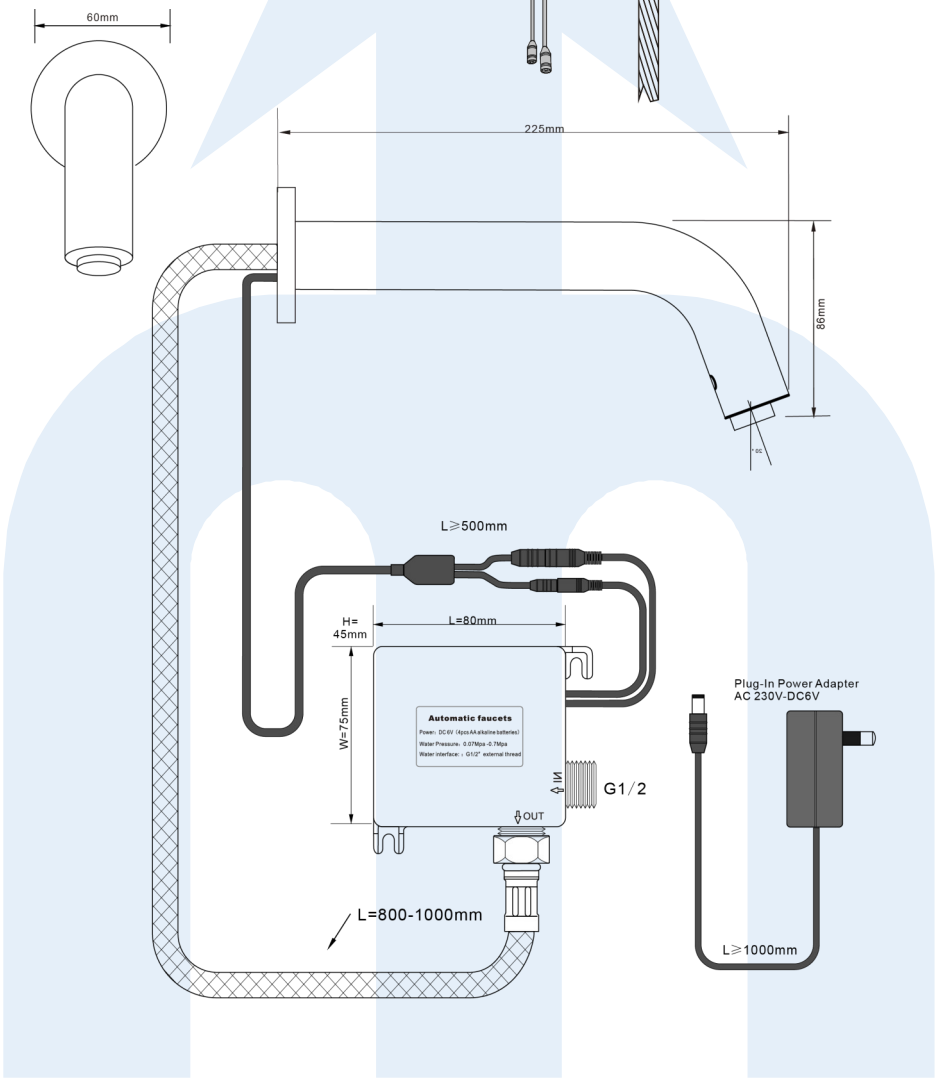
To control water temperature you will require the following to connect to your hot and cold water supply:

2 x Watermarked Braided Hoses (flexible) with a DN15 nut on both ends (**673-058L** 120cm / **673-058** 100cm)

1 x Watermarked Mixer Valve (**CAT 67 M2**)







MEFE	WALL SENSOR TAPS	DIS.:CAT 67305 - CAT 67306	Formato A4
			Scale 1:2

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Automatic Sensor Tap

Deck Mounted

CAT 67917	CAT 67917B	CAT 67917GM
Stainless Steel	Matte Black	Gun Metal Grey

Specifications

Power	AC 240V or DC 6V 4 x AA alkaline batteries* (batteries not supplied)	**Installation Diameter**	Single hole (32mm)
Battery Life	150,000 cycles	**Response Time**	Less than 0.7 seconds
Sensing Range	**Products before SN: 11044** Default approximately 10cm **Products including and after SN: 11044** Default approximately 10cm Reprogrammed with remote achieves min 0 to 5 or max 0 to 20cm**	**Water Stop Protection (Auto Shut Off)**	Approx. 60 seconds
Working Temperature	1°C - 60°C	**Flow Rate**	Less than 3 L/s at 0.3Mpa
Working Pressure	0.07Mpa—0.7Mpa	**Ambient Humidity**	95% or less
Inlet Size	BSP 1/2" (DN15) male thread	**Faucet Body Material**	304 Stainless Steel

* AA Alkaline batteries must be maximum 14mm in diameter. If it seems you are forcing the batteries please choose a different brand as AA batteries can range between 13.5 and 14.5mm in diameter. We recommend Energizer Max E91 AA batteries.

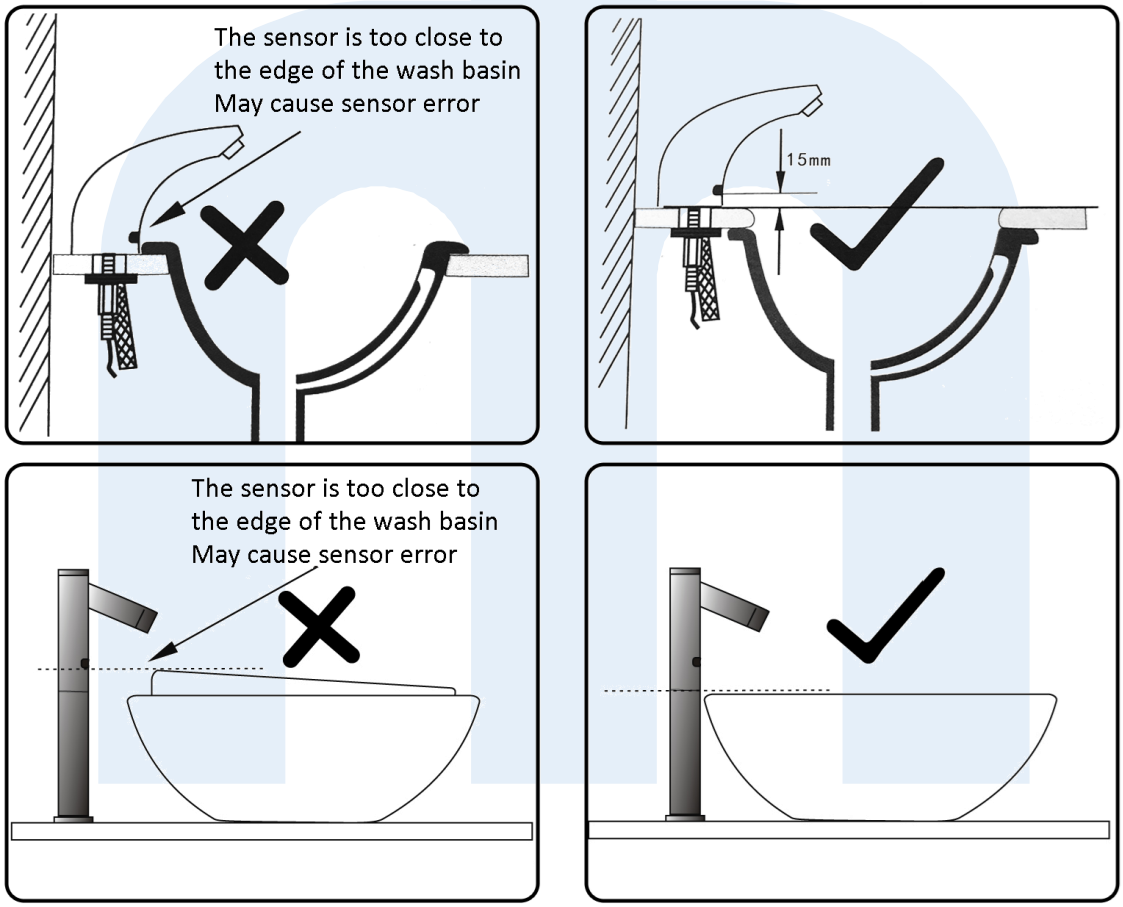
** To reprogram sensing range use optional remote 673-100R.

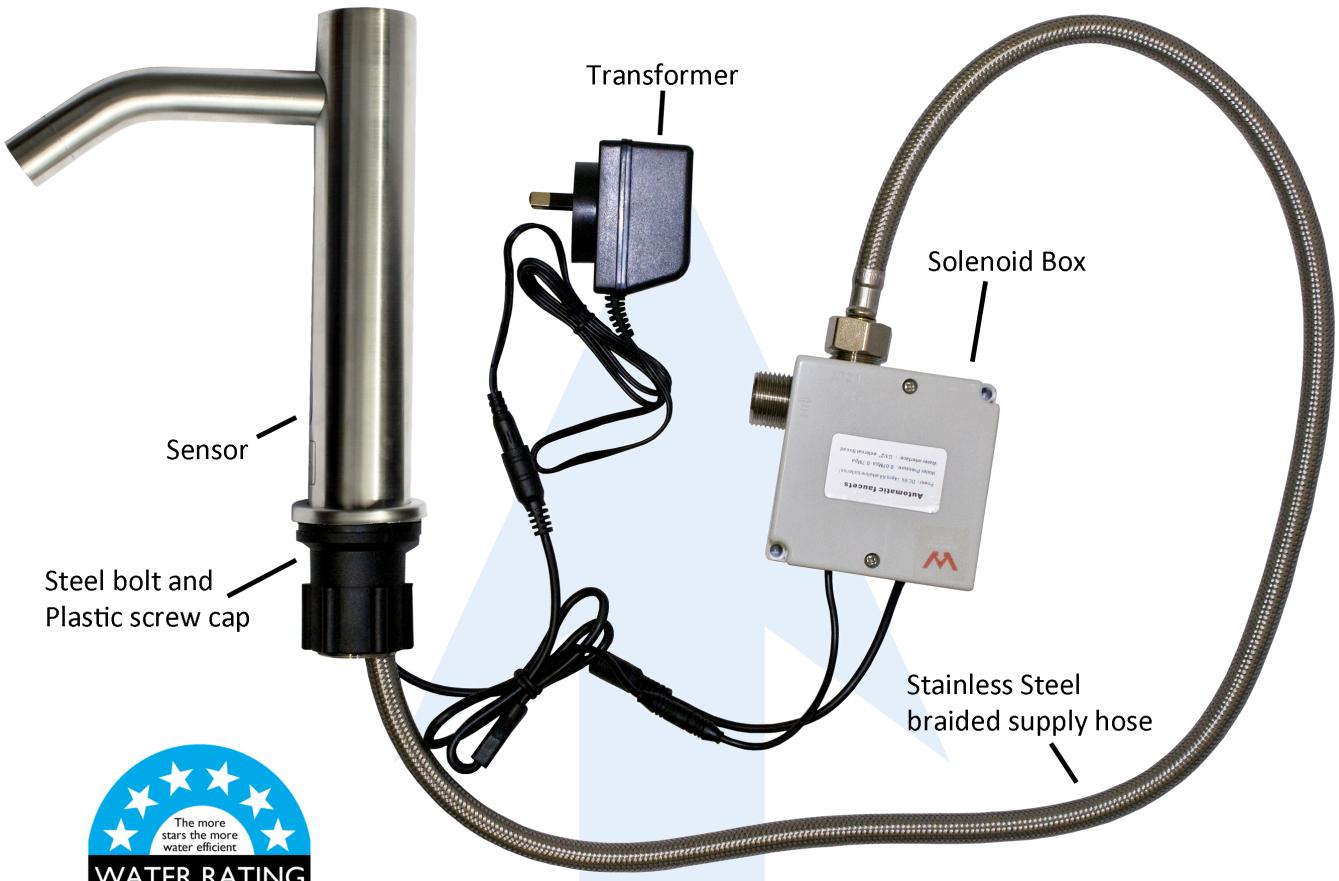
Choosing the Correct Basin

IMPORTANT:

Please avoid stainless steel and other highly reflective basins as these reflections can cause interference with the sensor.

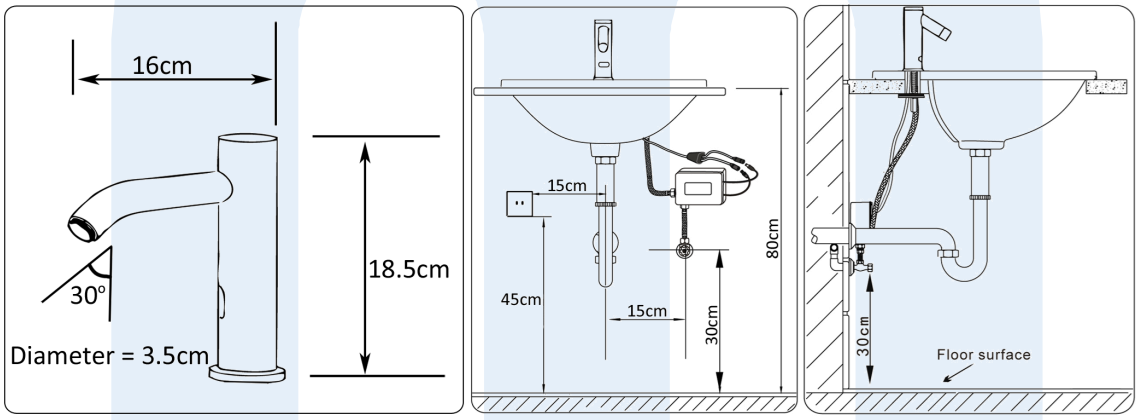
Warning: Sensor of the faucet must be higher than the basin or lavatory. Minimum of 15mm.



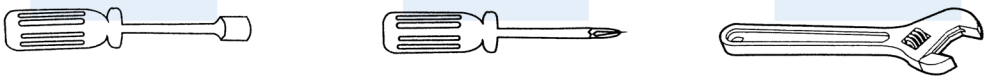


The more stars the more water efficient
WATER RATING
www.waterrating.gov.au
5.5 litres per minute
In accordance with AS/NZS 6400
Licence No. 1718
Mitchell Engineering Food Equipment Pty Ltd

WaterMark
WM - 022559
AS/NZS 3718

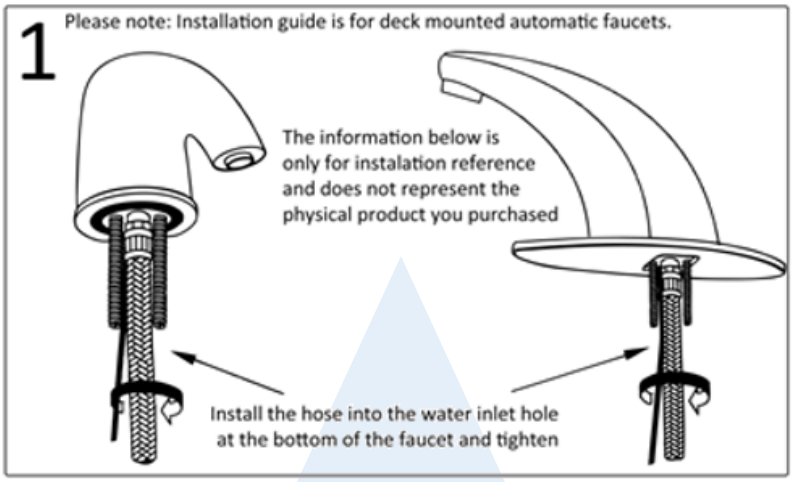


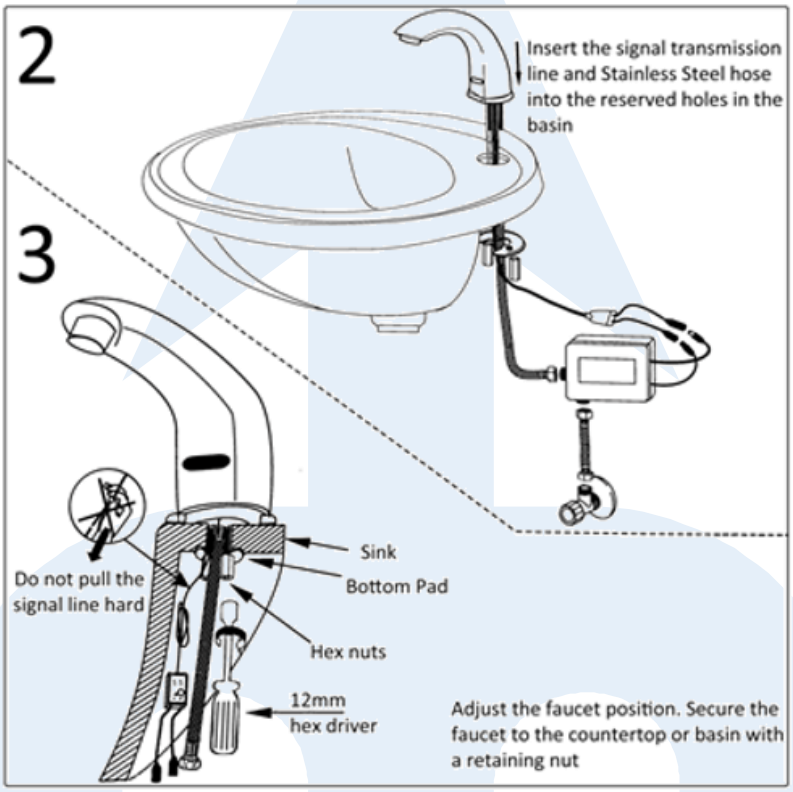
Required Tools

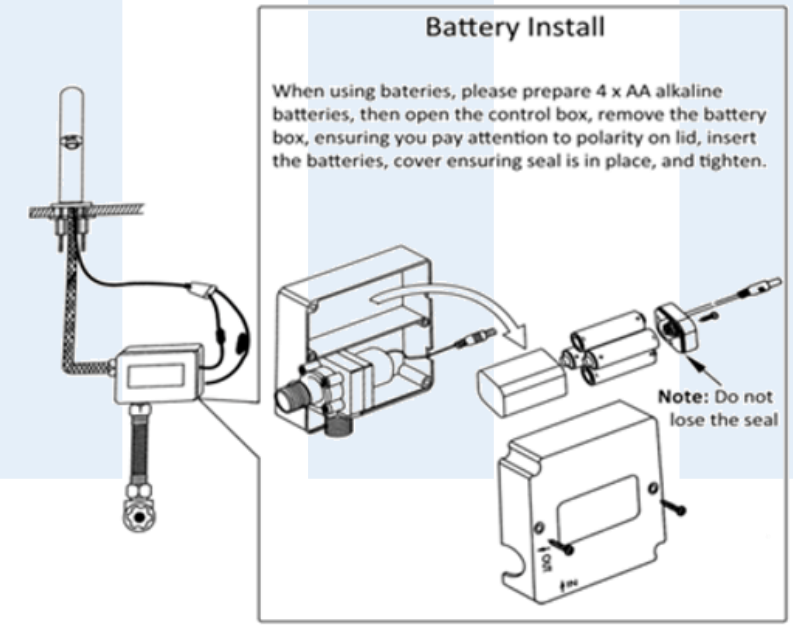


12mm Socket Screw Driver | Phillips Head Screw Driver | Shifter Spanner

Installation

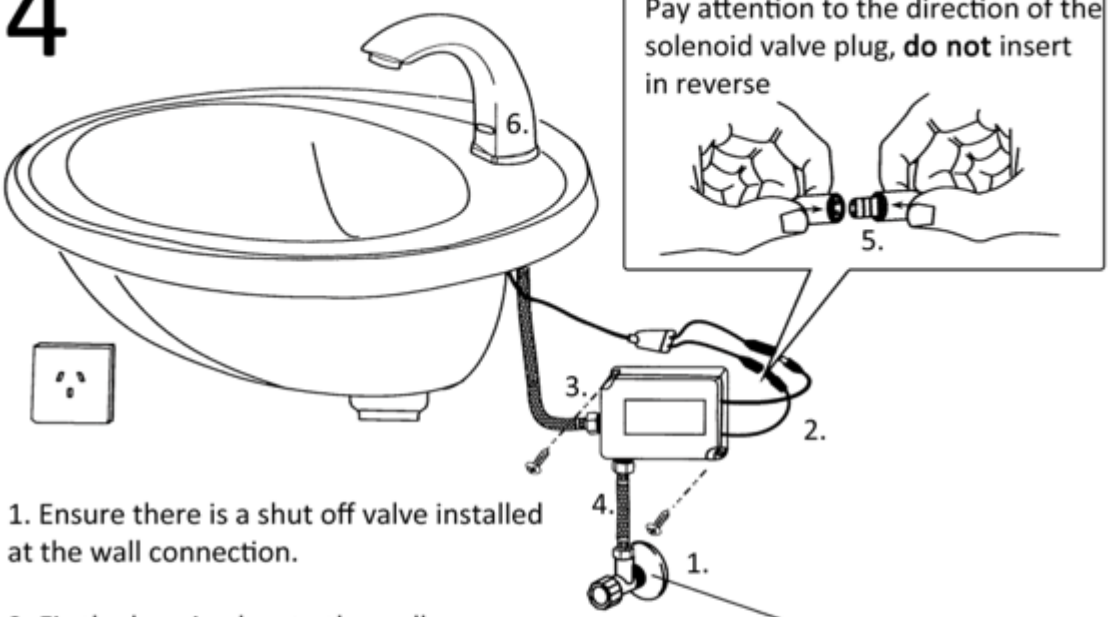






Installation Cont.

4



1. Ensure there is a shut off valve installed at the wall connection.

2. Fix the housing box to the wall.

3. Connect the other end of the hose coming from the faucet body to the water outlet of the control box.

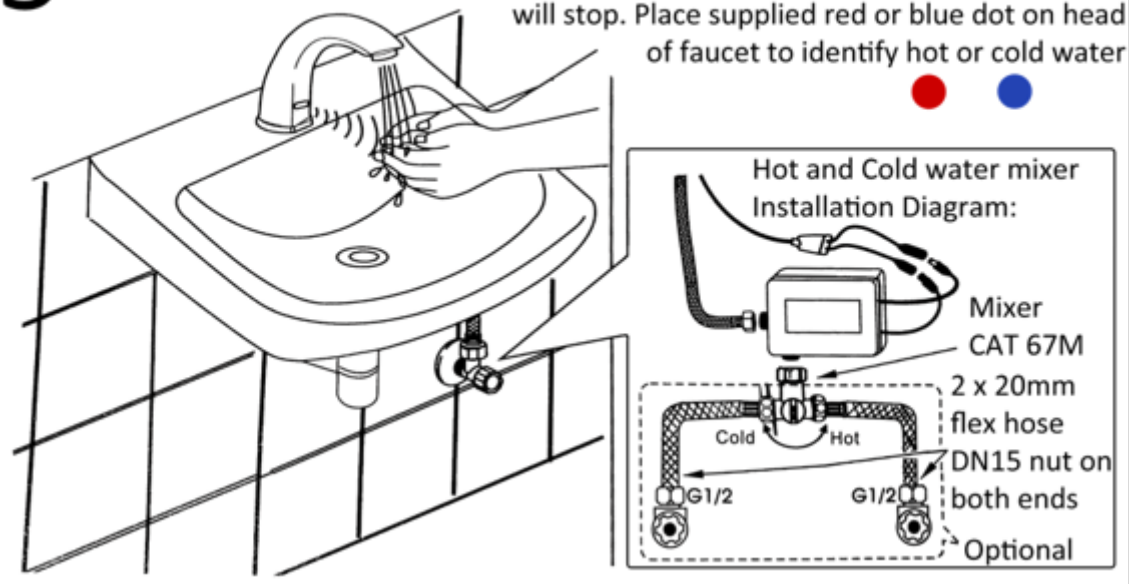
4. Use a 20cm long hose with 1/2" nut on both sides. Connect the water outlet of the shut off valve, and the water inlet of the control box.

5. Insert the sensor cable into the socket on the control box.

6. When the power is turned on, the LED on the sensor controller wil flash 3 times.

5

Place your hand under the water outlet and the solenoid valve will make a click The LED in the sensor will flash. Water is activated. Remove hand and water will stop. Place supplied red or blue dot on head of faucet to identify hot or cold water



MEFE
MITCHELL ENGINEERING
FOOD EQUIPMENT PTY LTD

Automatic Sensor Tap

Deck Mounted

CAT 679178 | CAT 679178S| CAT 679178B

Specifications

Power	AC 240V or DC 6V 4 x AA alkaline batteries* (batteries not supplied)	**Installation Diameter**	Single hole (32mm)
Battery Life	150,000 cycles	**Response Time**	Less than 0.7 seconds
Sensing Range	Default 5 to 22cm (auto adjusts) Reprogrammed with remote achieves min 0 to 5 or max 0 to 20cm**	**Water Stop Protection (Auto Shut Off)**	Approx. 60 seconds
Working Temperature	1°C - 60°C	**Flow Rate**	Less than 3 L/s at 0.3Mpa
Working Pressure	0.07Mpa—0.7Mpa	**Ambient Humidity**	95% or less
Inlet Size	BSP 1/2" (DN15) male thread	**Faucet Body Material**	304 Stainless Steel

* AA Alkaline batteries must be maximum 14mm in diameter. If it seems you are forcing the batteries please choose a different brand as AA batteries can range between 13.5 and 14.5mm in diameter. We recommend Energizer Max E91 AA batteries.

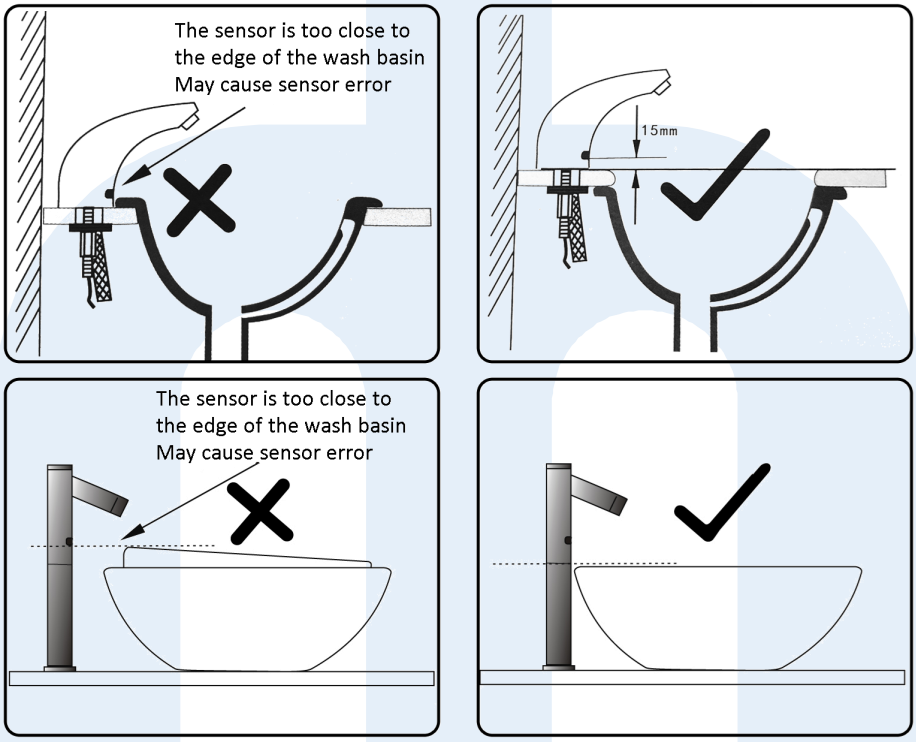
** To reprogram sensing range use optional remote 673-100R.

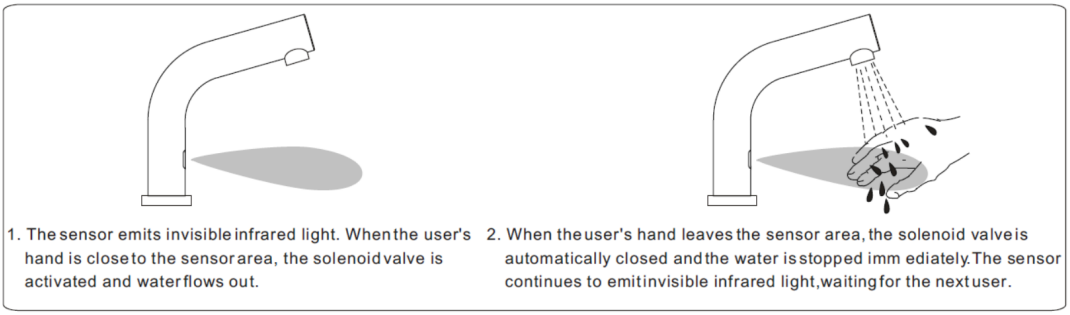
Choosing the Correct Basin

IMPORTANT:

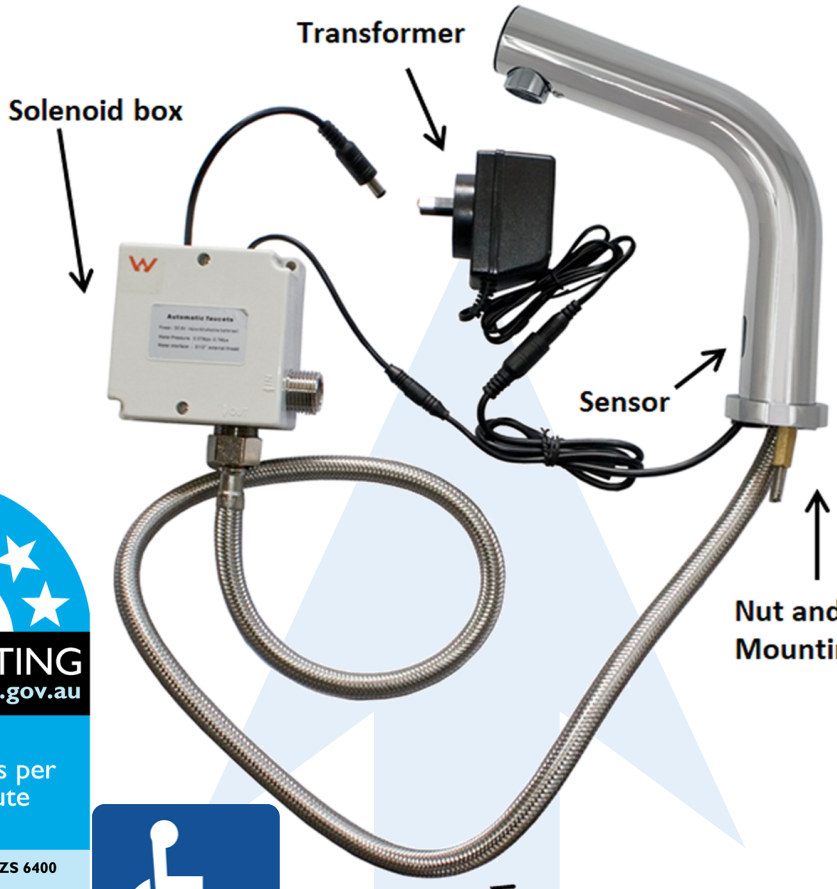
Please avoid stainless steel and other highly reflective basins as these reflections can cause interference with the sensor.

Warning: Sensor of the faucet must be higher than the basin or lavatory. Minimum of 15mm.





1. The sensor emits invisible infrared light. When the user's hand is close to the sensor area, the solenoid valve is activated and water flows out.
2. When the user's hand leaves the sensor area, the solenoid valve is automatically closed and the water is stopped imm ediately. The sensor continues to emit invisible infrared light, waiting for the next user.



The more stars the more water efficient

WATER RATING
www.waterrating.gov.au

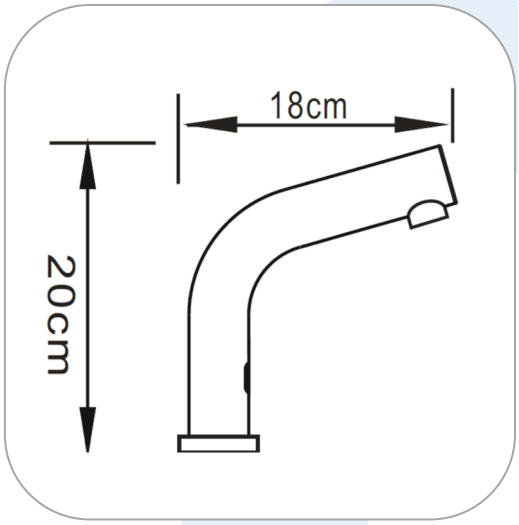
5.0 litres per minute

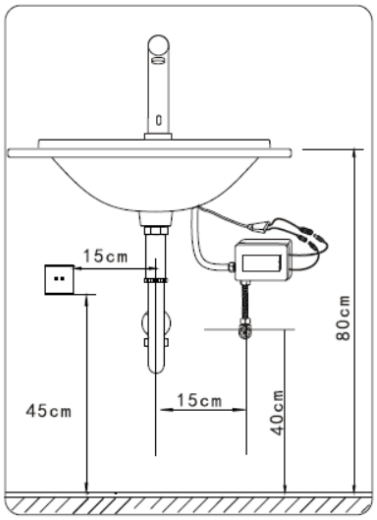
In accordance with AS/NZS 6400

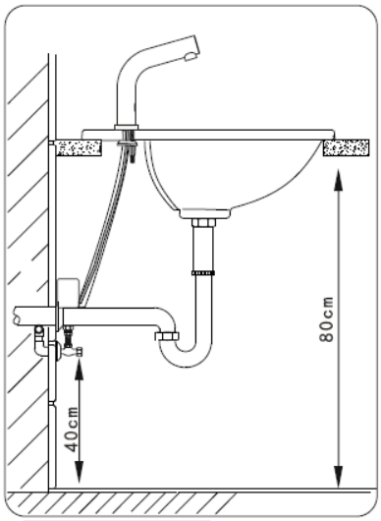
Licence No. 1718

Mitchell Engineering Food Equipment Pty Ltd

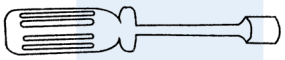
WaterMark
WM - 022559
AS/NZS 3718



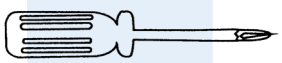




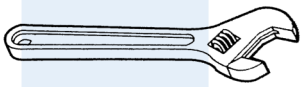
Required Tools



12mm Socket Screw Driver

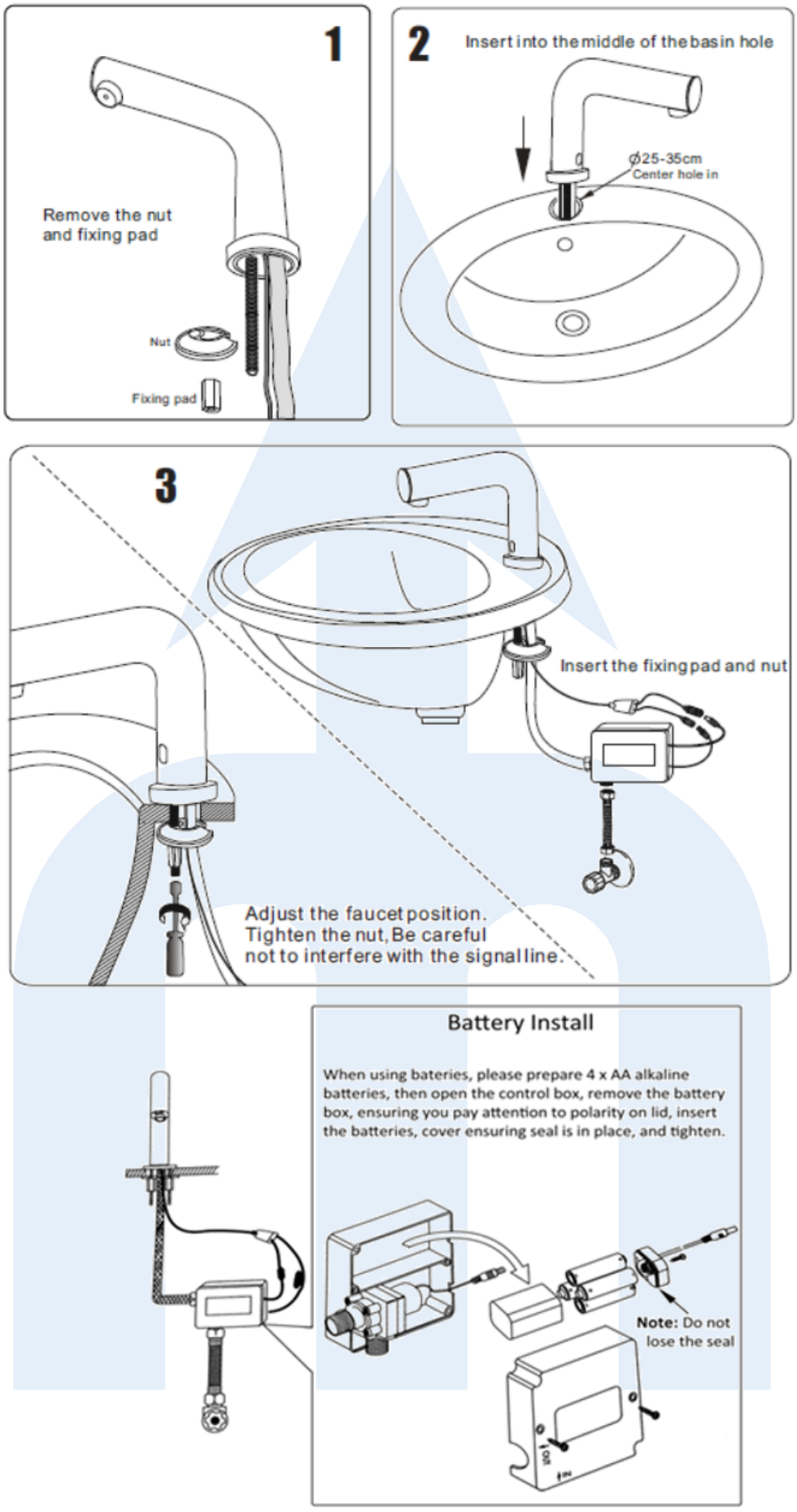


Phillips Head Screw Driver

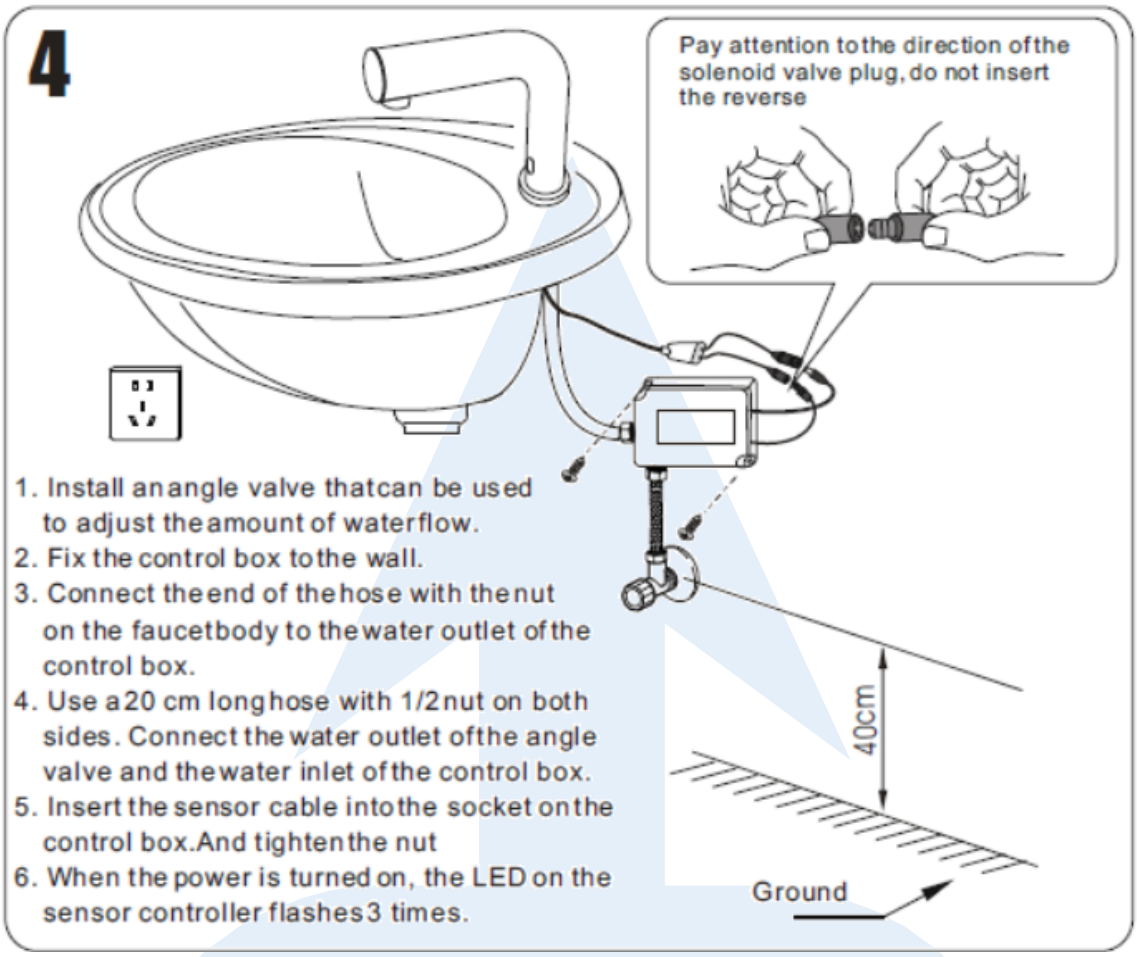


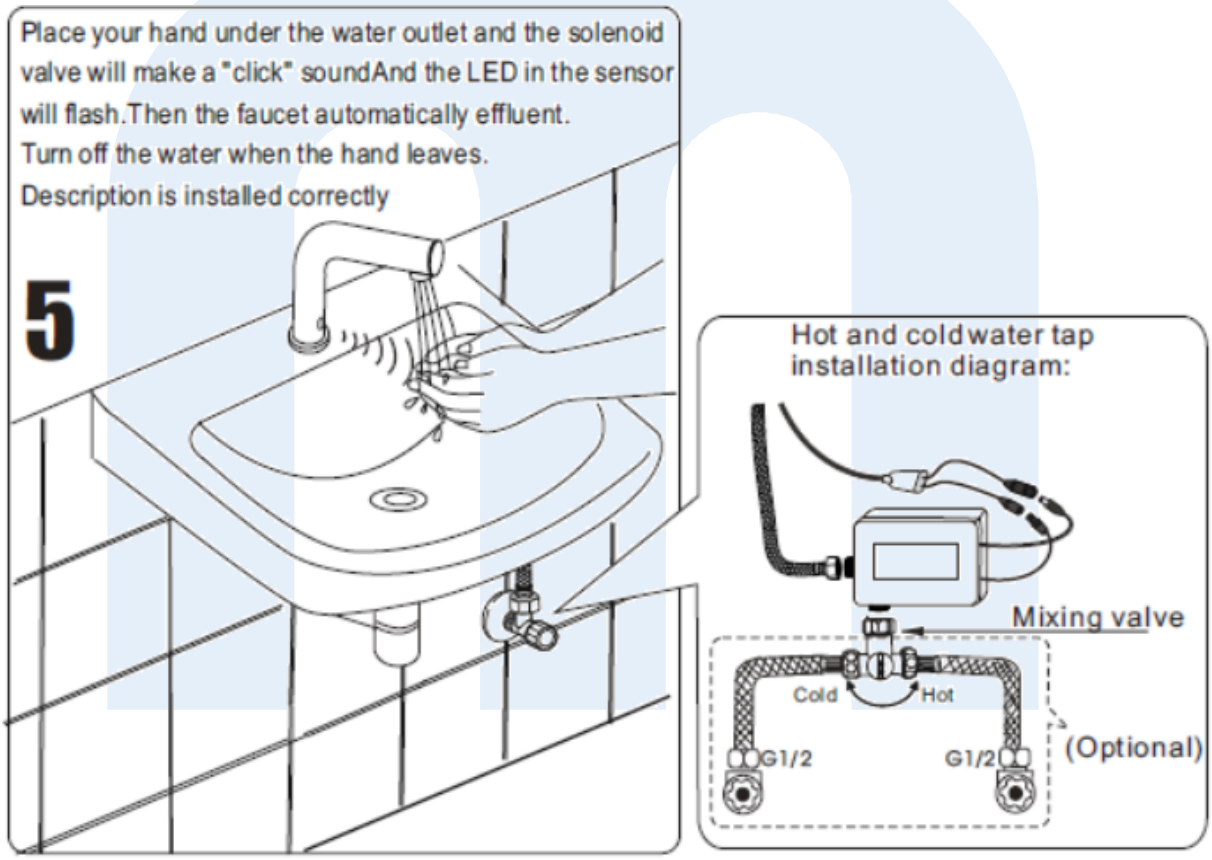
Shifter Spanner

Installation



Installation Cont.





MEFE
MITCHELL ENGINEERING
FOOD EQUIPMENT PTY LTD

Automatic Sensor Tap

Deck Mounted

CAT 67910 Chrome Plated	CAT 67910B Matte Black	CAT 67910G Gold Chrome Plated
CAT 6791032 Chrome Plated	CAT 6791032B Matte Black	CAT 6791032G Gold Chrome Plated

Specifications

Power	AC 240V or DC 6V 4 x AA alkaline batteries* (batteries not supplied)	**Installation Diameter**	Single hole (32mm)
Battery Life	150,000 cycles	**Response Time**	Less than 0.7 seconds
Sensing Range	**Products before SN: 11044** Default approximately 10cm **Products including and after SN: 11044** Default approximately 10cm Reprogrammed with remote achieves min 0 to 5 or max 0 to 20cm**	**Water Stop Protection (Auto Shut Off)**	Approx. 60 seconds
Working Temperature	1°C - 60°C	**Flow Rate**	Less than 3 L/s at 0.3Mpa
Working Pressure	0.07Mpa—0.7Mpa	**Ambient Humidity**	95% or less
Inlet Size	BSP 1/2" (DN15) male thread	**Faucet Body Material**	Standard #59 brass, chrome plated

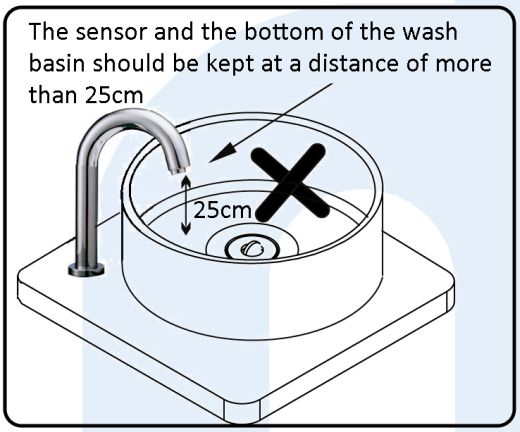
* To reprogram sensing range use optional remote 673-100R.

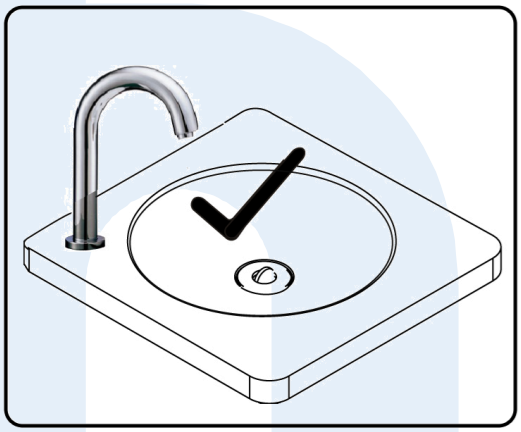
** AA Alkaline batteries must be maximum 14mm in diameter. If it seems you are forcing the batteries please choose a different brand as AA batteries can range between 13.5 and 14.5mm in diameter. We recommend Energizer Max E91 AA batteries.

Choosing the Correct Basin

IMPORTANT:

Please avoid stainless steel and other highly reflective basins as these reflections can cause interference with the sensor.

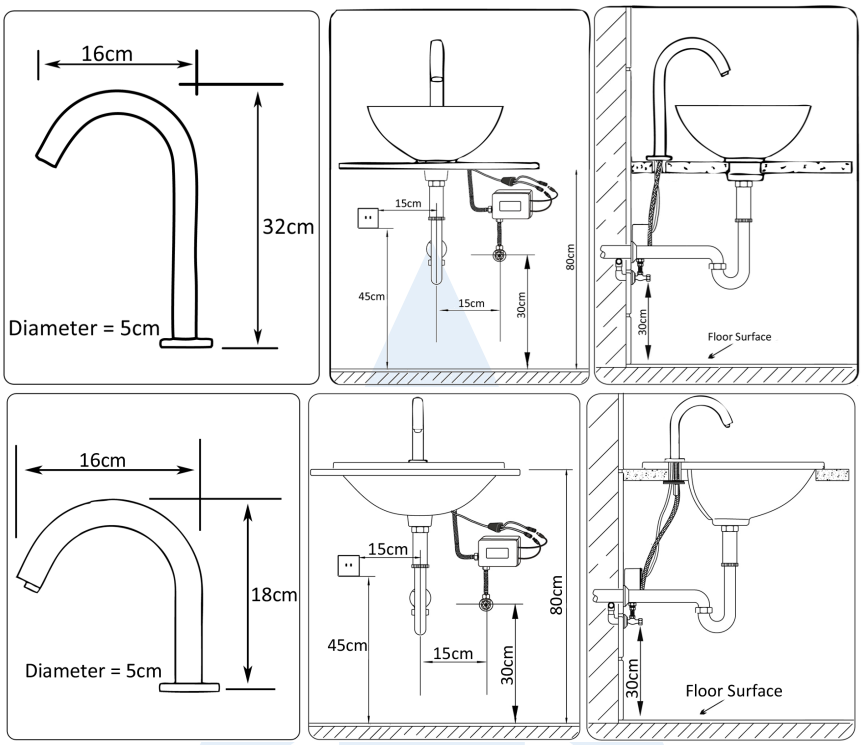


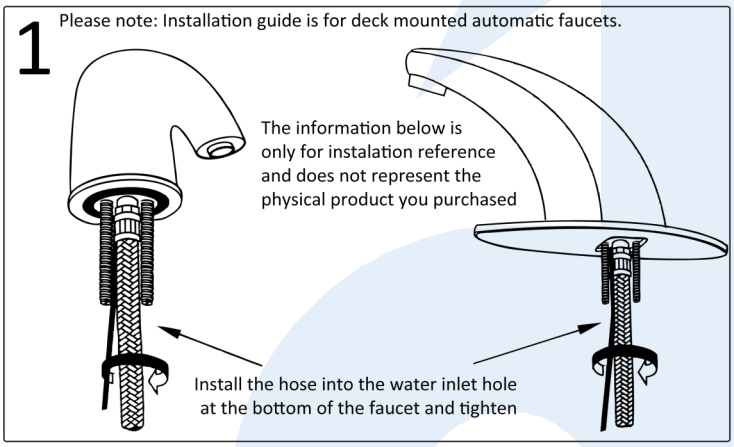


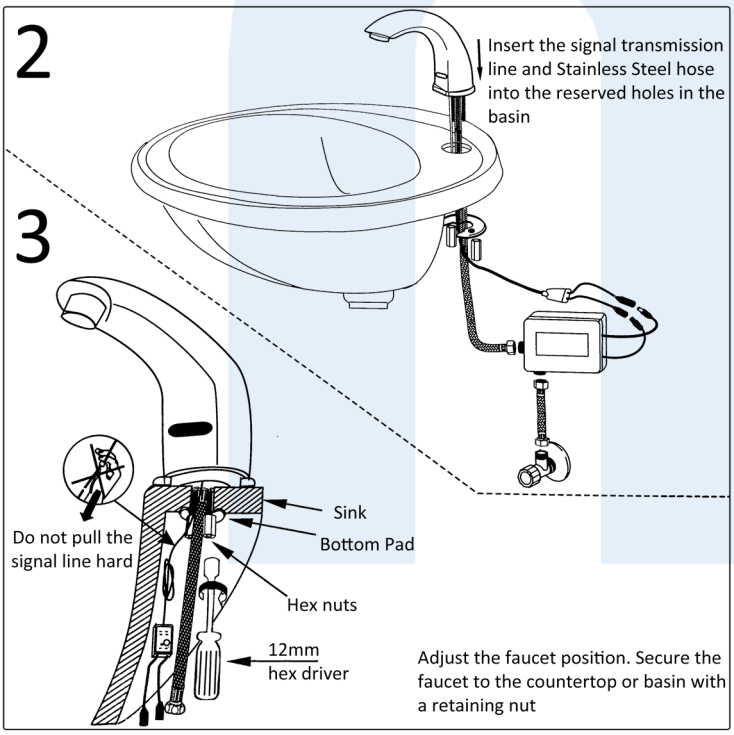
The more stars the more water efficient
WATER RATING
www.waterrating.gov.au
4.5 litres per minute
In accordance with AS/NZS 6400
Licence No. 1718
Mitchell Engineering Food Equipment Pty Ltd

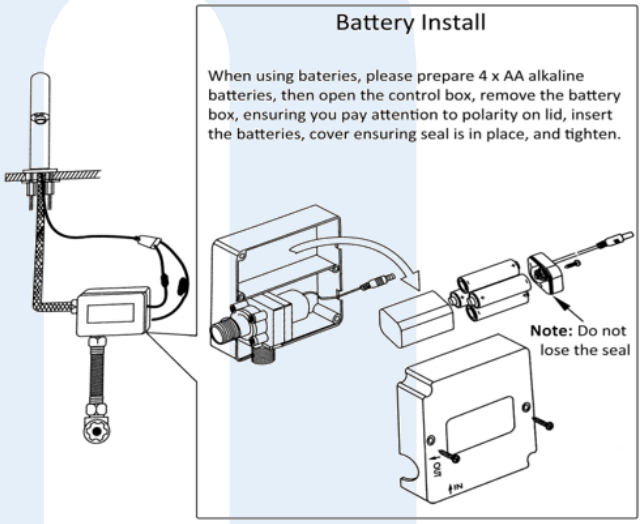
WaterMark
WM - 022559
AS/NZS 3718

Installation









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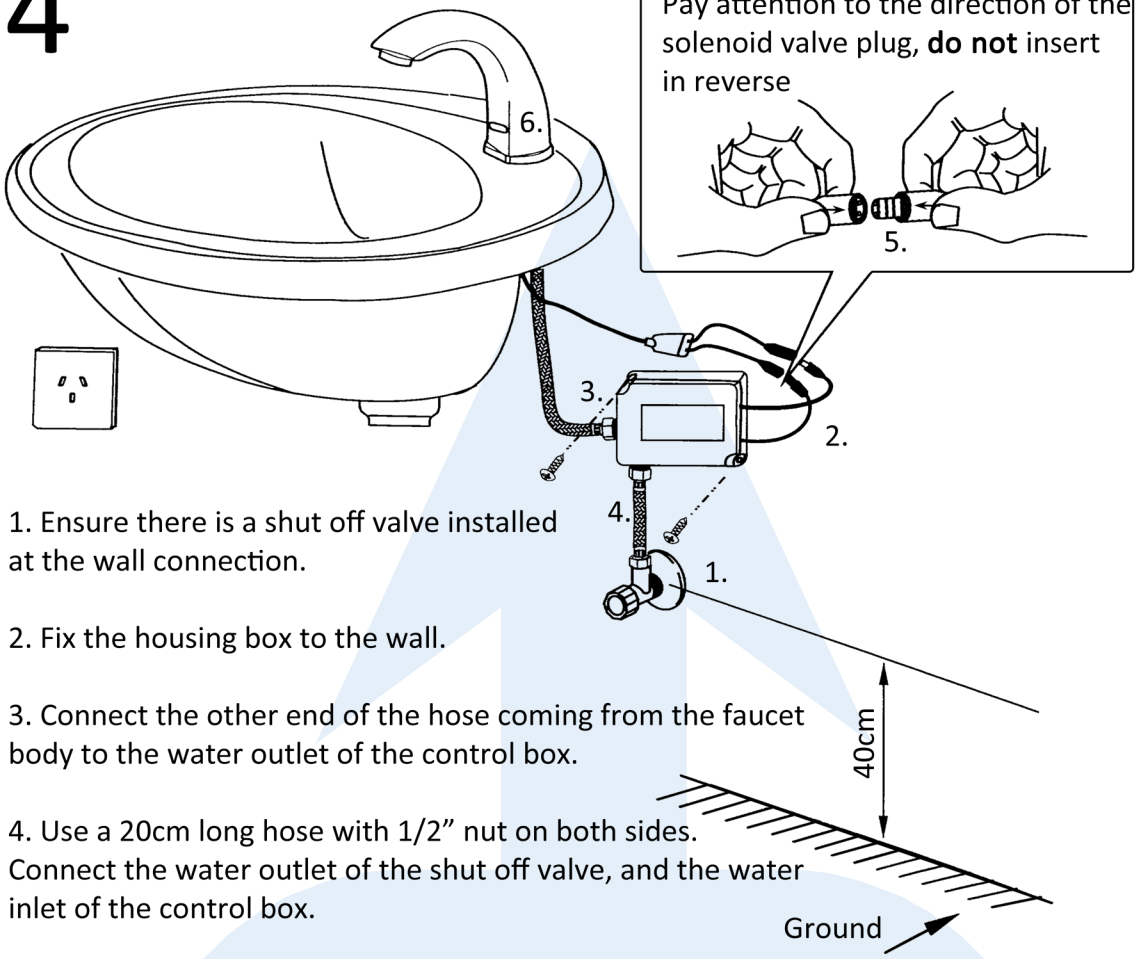


1. Ensure there is a shut off valve installed at the wall connection.

2. Fix the housing box to the wall.

3. Connect the other end of the hose coming from the faucet body to the water outlet of the control box.

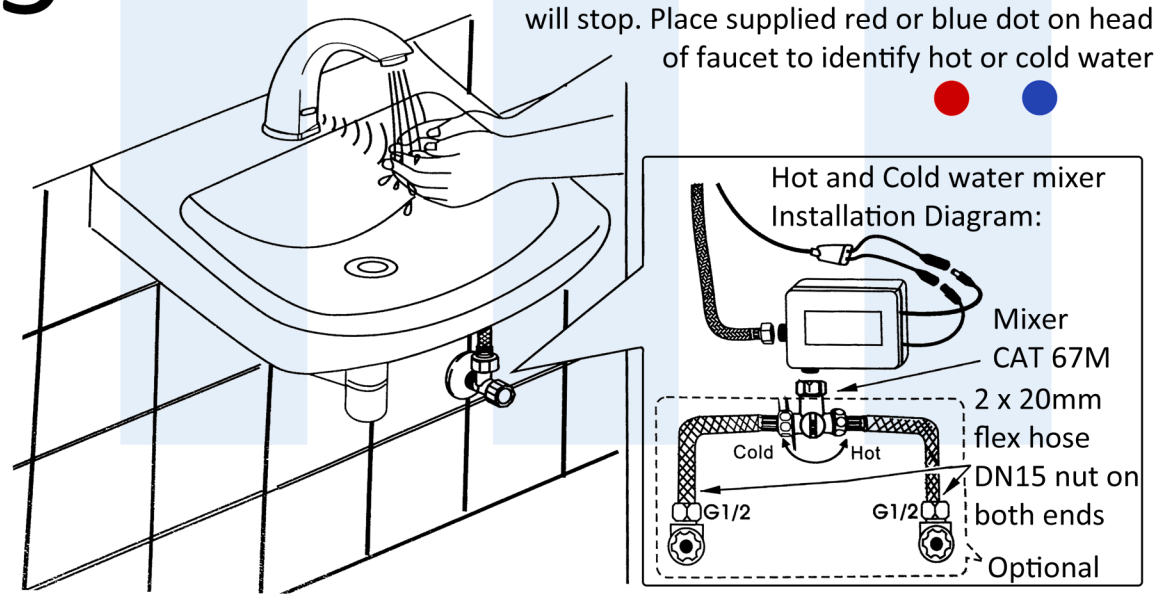
4. Use a 20cm long hose with 1/2” nut on both sides. Connect the water outlet of the shut off valve, and the water inlet of the control box.

5. Insert the sensor cable into the socket on the control box.

6. When the power is turned on, the LED on the sensor controller wil flash 3 times.

5

Place your hand under the water outlet and the solenoid valve will make a click The LED in the sensor will flash. Water is activated. Remove hand and water will stop. Place supplied red or blue dot on head of faucet to identify hot or cold water



MEFE
MITCHELL ENGINEERING
FOOD EQUIPMENT PTY LTD

Automatic Sensor Tap

Deck Mounted

CAT 67911	CAT 67911B
Chrome Plated	Matte Black

Specifications

Power	AC 240V or DC 6V 4 x AA alkaline batteries* (batteries not supplied)	**Installation Diameter**	Single hole (32mm)
Battery Life	150,000 cycles	**Response Time**	Less than 0.7 seconds
Sensing Range	**Products before SN: 11044** Default approximately 10cm **Products including and after SN: 11044** Default approximately 10cm Reprogrammed with remote achieves min 0 to 5 or max 0 to 20cm**	**Water Stop Protection (Auto Shut Off)**	Approx. 60 seconds
Working Temperature	1°C - 60°C	**Flow Rate**	Less than 3 L/s at 0.3Mpa
Working Pressure	0.07Mpa—0.7Mpa	**Ambient Humidity**	95% or less
Inlet Size	BSP 1/2" (DN15) male thread	**Faucet Body Material**	Standard #59 brass, chrome plated

* AA Alkaline batteries must be maximum 14mm in diameter. If it seems you are forcing the batteries please choose a different brand as AA batteries can range between 13.5 and 14.5mm in diameter. We recommend Energizer Max E91 AA batteries.

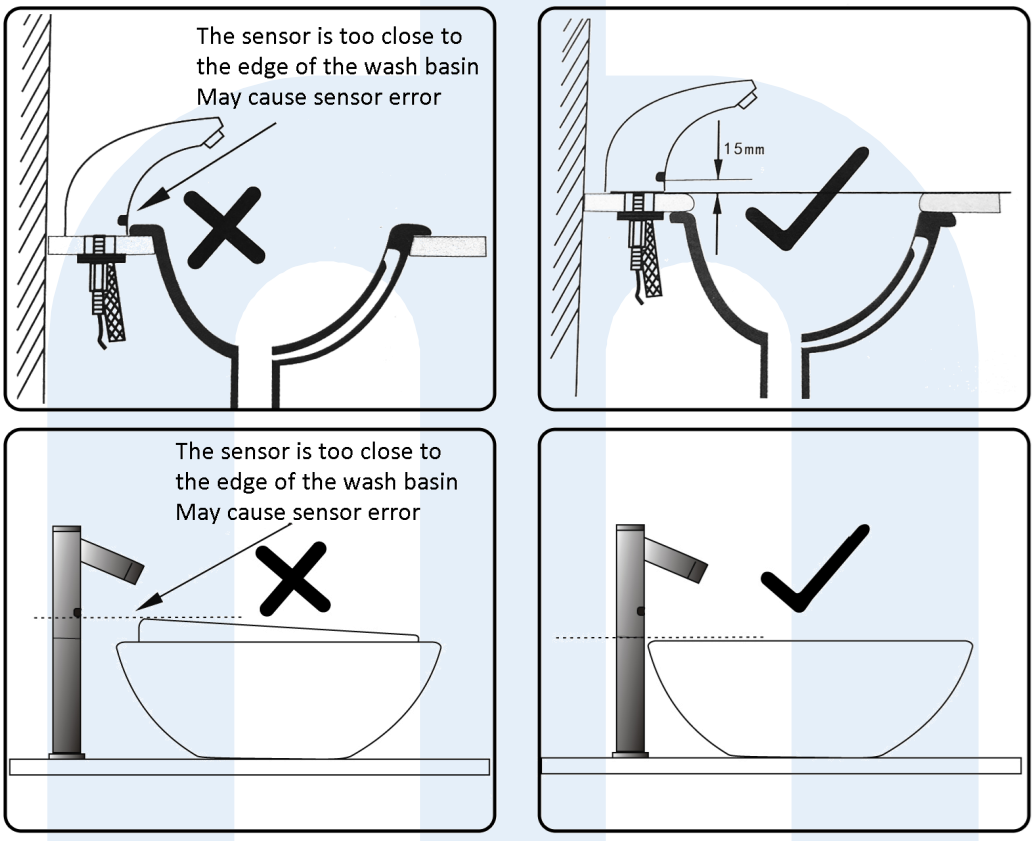
** To reprogram sensing range use optional remote 673-100R.

Choosing the Correct Basin

IMPORTANT:

Please avoid stainless steel and other highly reflective basins as these reflections can cause interference with the sensor.

Warning: Sensor of the faucet must be higher than the basin or lavatory. Minimum of 15mm.



WaterMark
WM - 022559
AS/NZS 3718

The more stars the more water efficient
WATER RATING
www.waterrating.gov.au
5.0 litres per minute
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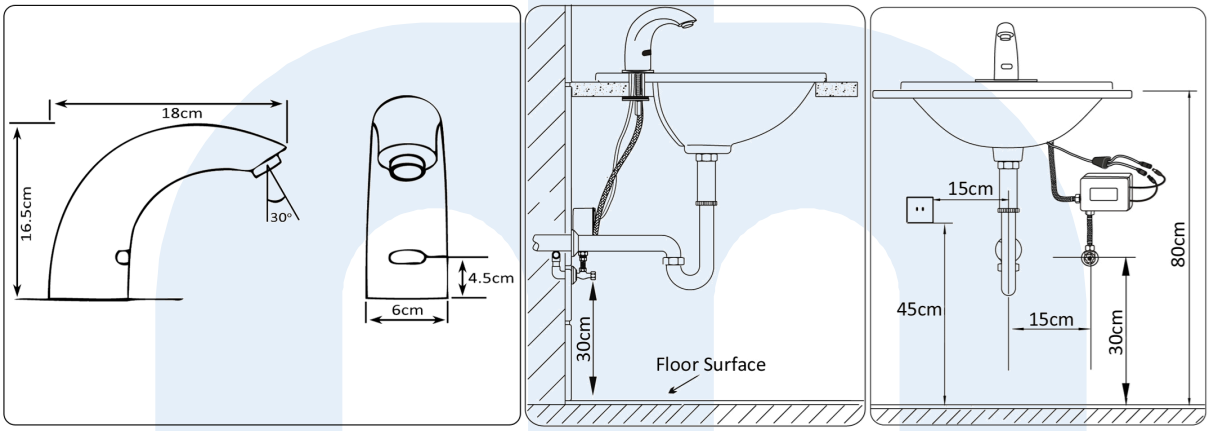
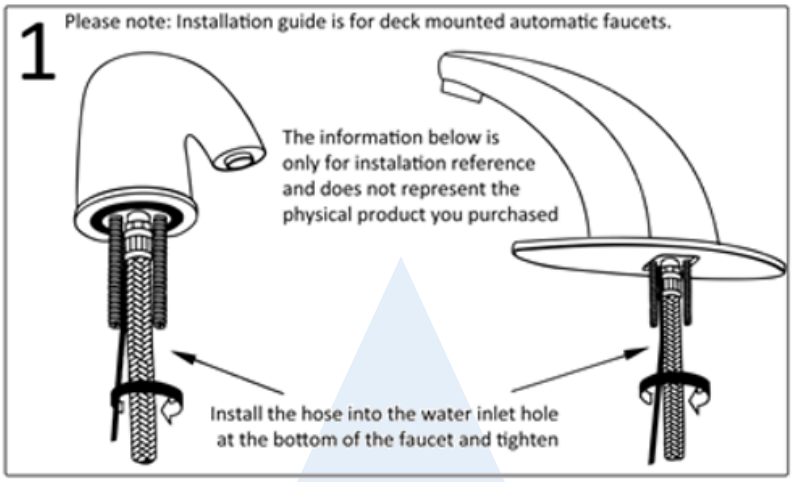
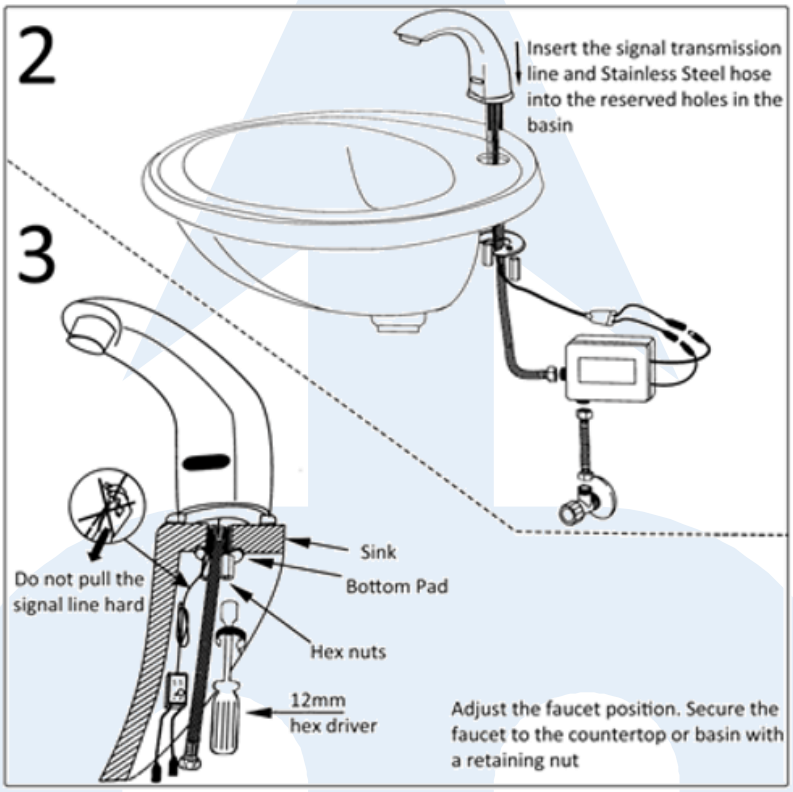
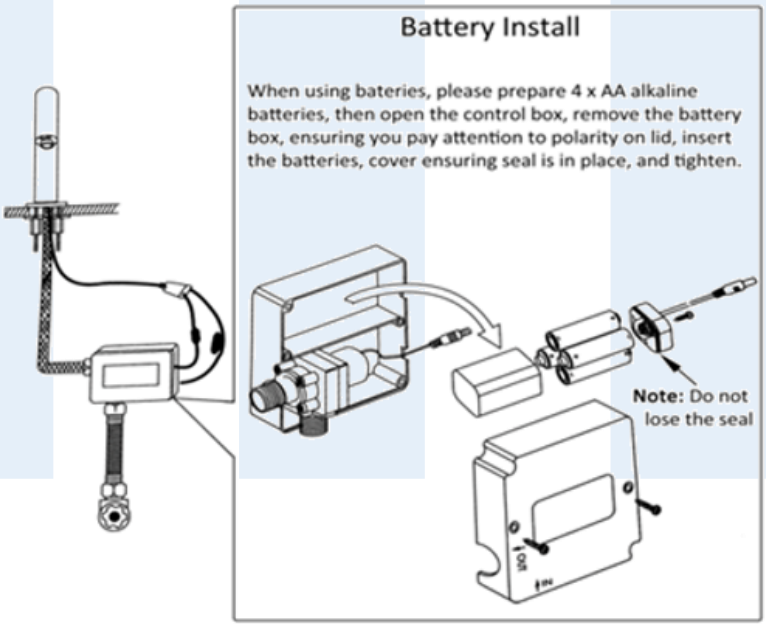
Licence No. 1718
Mitchell Engineering Food Equipment Pty Ltd



Installation

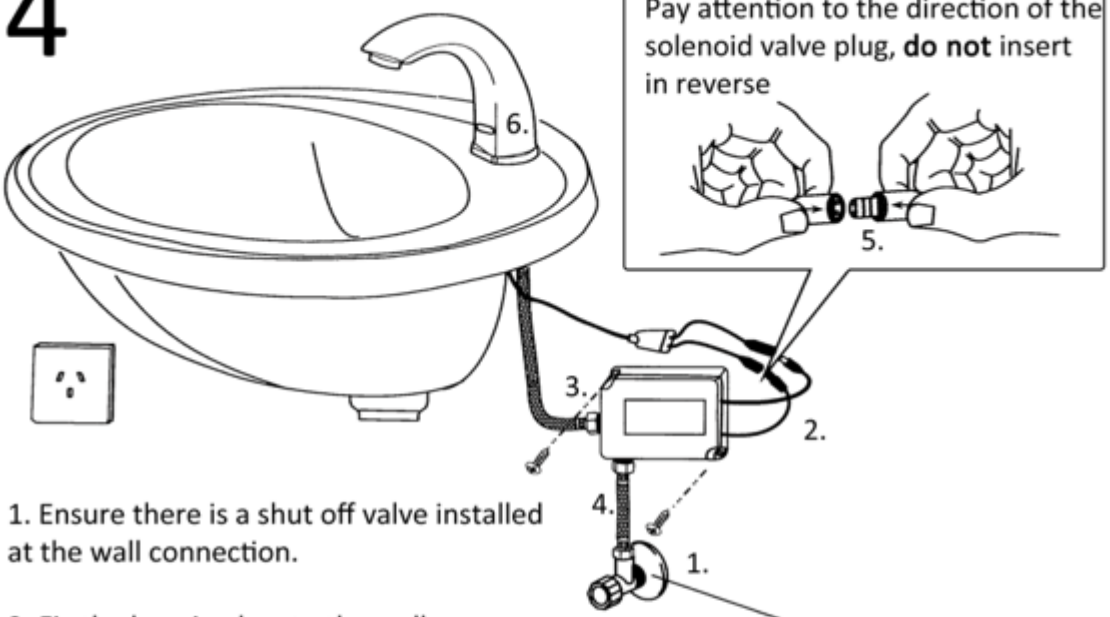






Installation Cont.

4



1. Ensure there is a shut off valve installed at the wall connection.

2. Fix the housing box to the wall.

3. Connect the other end of the hose coming from the faucet body to the water outlet of the control box.

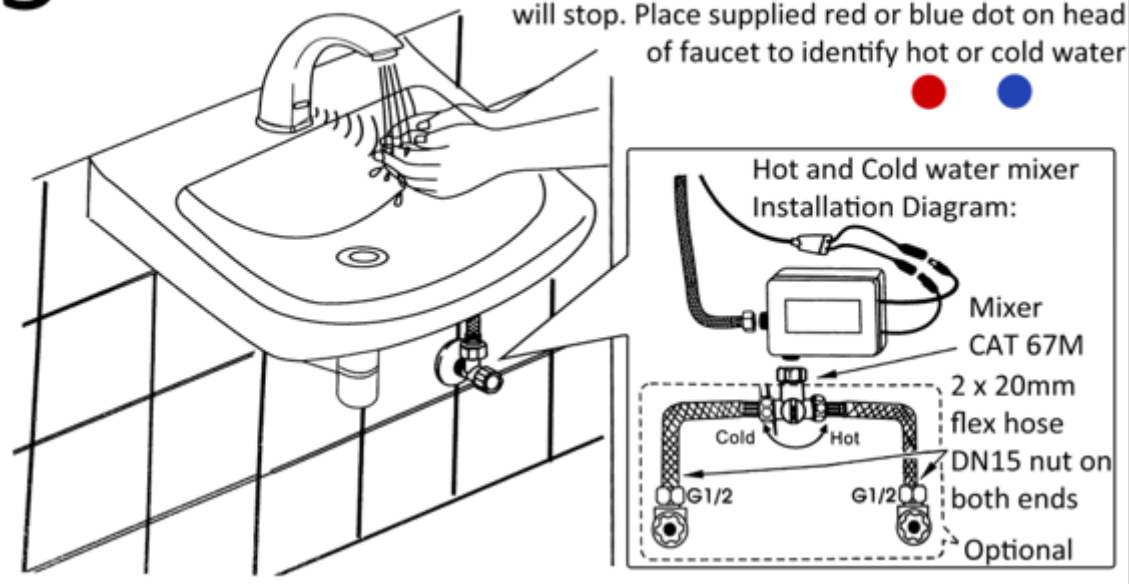
4. Use a 20cm long hose with 1/2" nut on both sides. Connect the water outlet of the shut off valve, and the water inlet of the control box.

5. Insert the sensor cable into the socket on the control box.

6. When the power is turned on, the LED on the sensor controller wil flash 3 times.

5

Place your hand under the water outlet and the solenoid valve will make a click The LED in the sensor will flash. Water is activated. Remove hand and water will stop. Place supplied red or blue dot on head of faucet to identify hot or cold water



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MITCHELL ENGINEERING
FOOD EQUIPMENT PTY LTD

Automatic Sensor Tap

Hot and Cold Mixer

Deck Mounted

CAT 67913	CAT 67913B
Chrome Plated	Matte Black

Specifications

Power	AC 240V or DC 6V 4 x AA alkaline batteries* (batteries not supplied)	**Installation Diameter**	Single hole (32mm)
Battery Life	150,000 cycles	**Response Time**	Less than 0.7 seconds
Sensing Range	**Products before SN: 11044** Default approximately 10cm **Products including and after SN: 11044** Default approximately 10cm Reprogrammed with remote achieves min 0 to 5 or max 0 to 20cm**	**Water Stop Protection (Auto Shut Off)**	Approx. 60 seconds
Working Temperature	1°C - 60°C Maximum holding temperature 40°C	**Flow Rate**	Less than 3 L/s at 0.3Mpa
Working Pressure	0.07Mpa—0.7Mpa	**Ambient Humidity**	95% or less
Inlet Size	BSP 1/2" (DN15) male thread	**Faucet Body Material**	Brass, chrome plated

* AA Alkaline batteries must be maximum 14mm in diameter. If it seems you are forcing the batteries please choose a different brand as AA batteries can range between 13.5 and 14.5mm in diameter. We recommend Energizer Max E91 AA batteries.

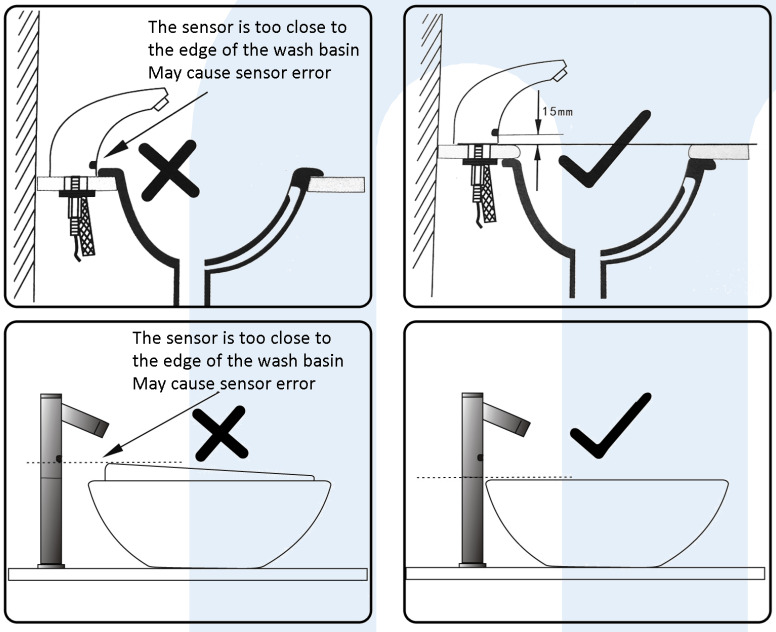
** To reprogram sensing range use optional remote 673-100R.

Choosing the Correct Basin

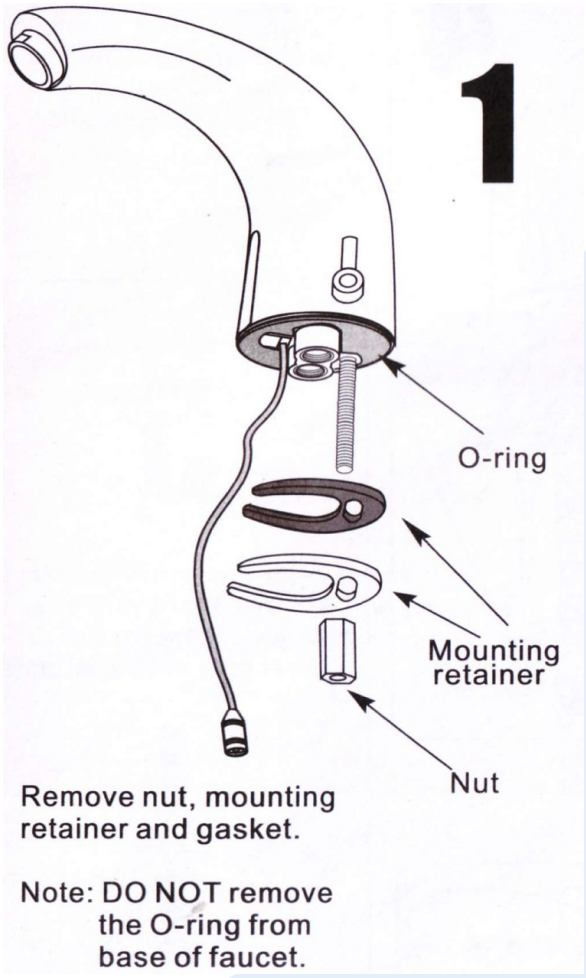
IMPORTANT:

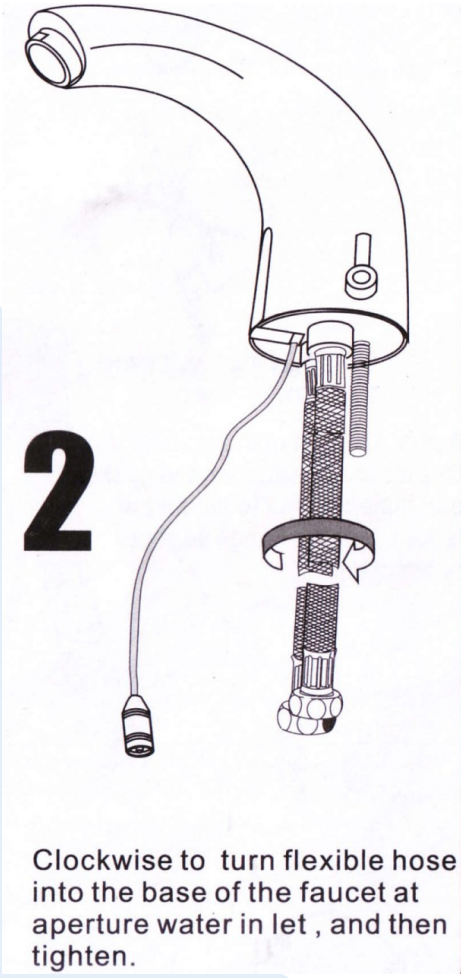
Please avoid stainless steel and other highly reflective basins as these reflections can cause interference with the sensor.

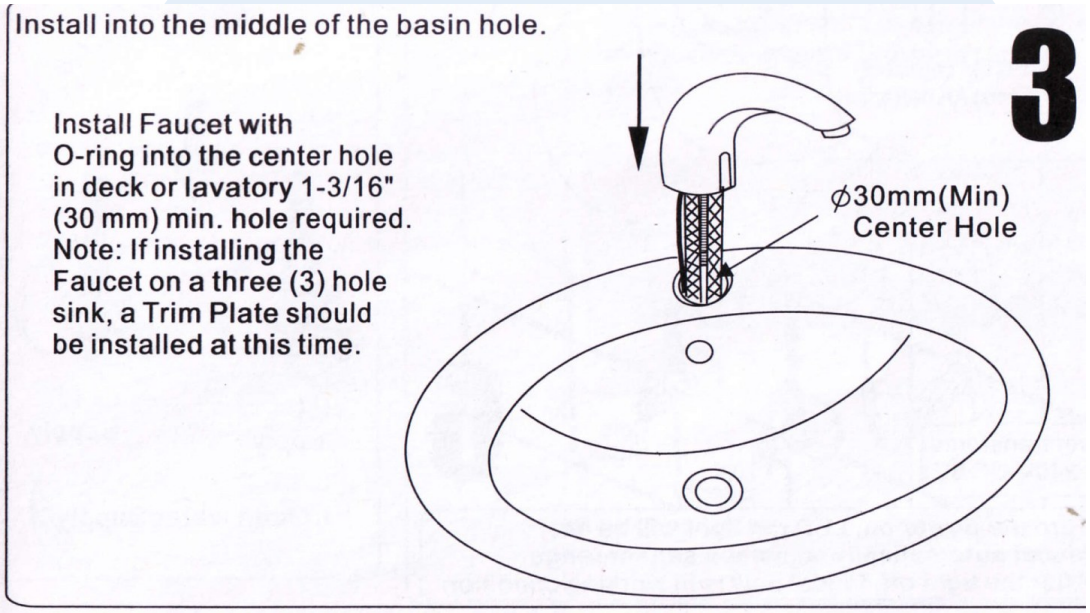
Warning: Sensor of the faucet must be higher than the basin or lavatory. Minimum of 15mm.



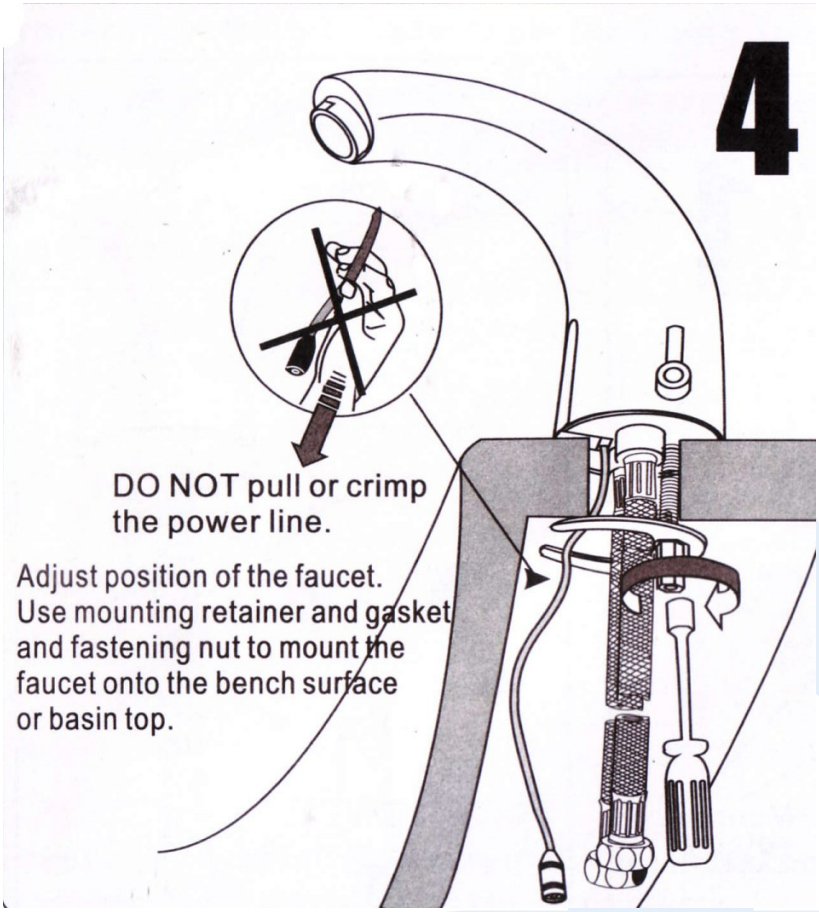
Installation

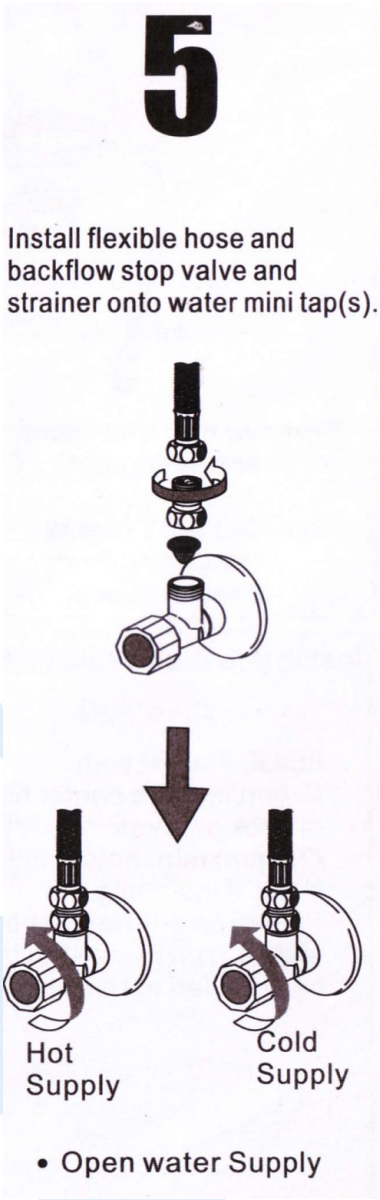


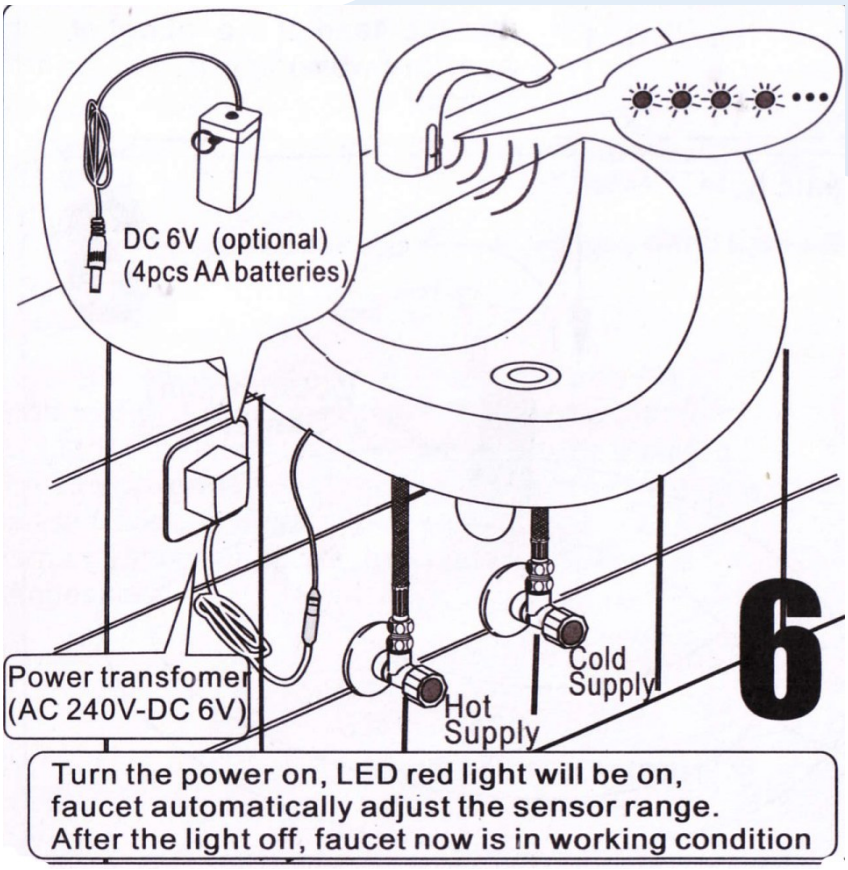




Installation Cont.





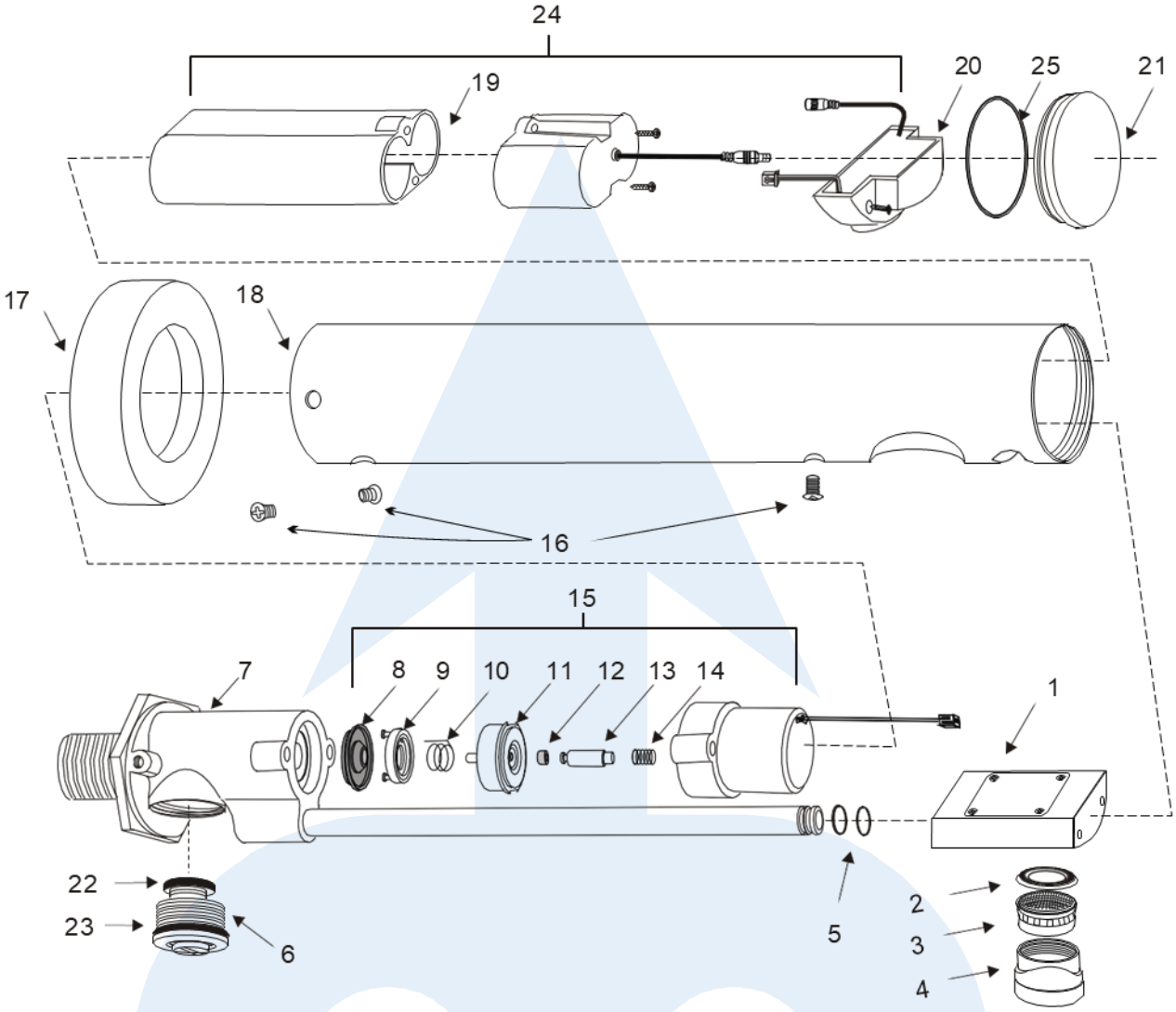


Parts Breakdown

Parts Breakdown &

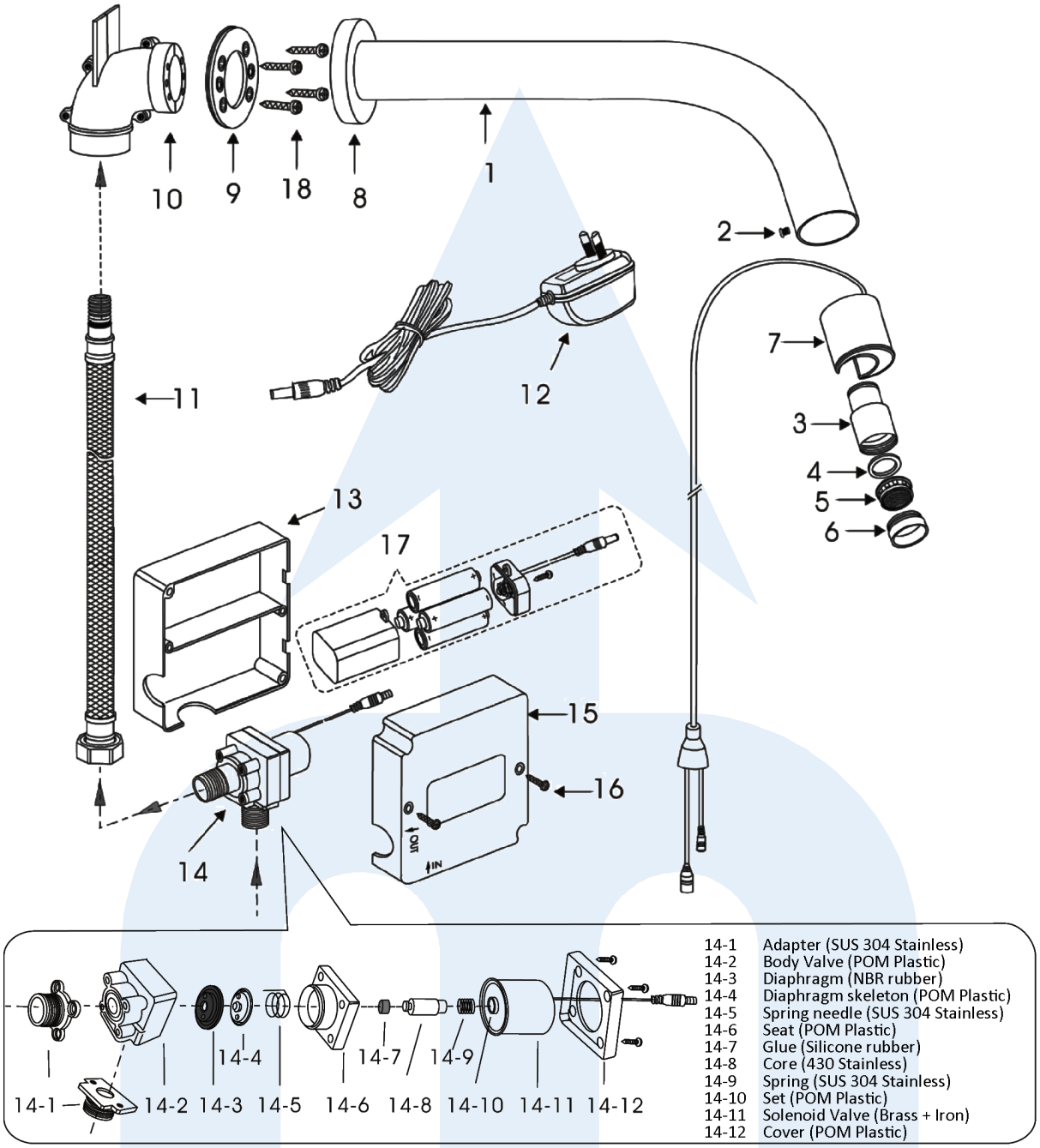
Spare Parts List

Exploded View—CAT 673031



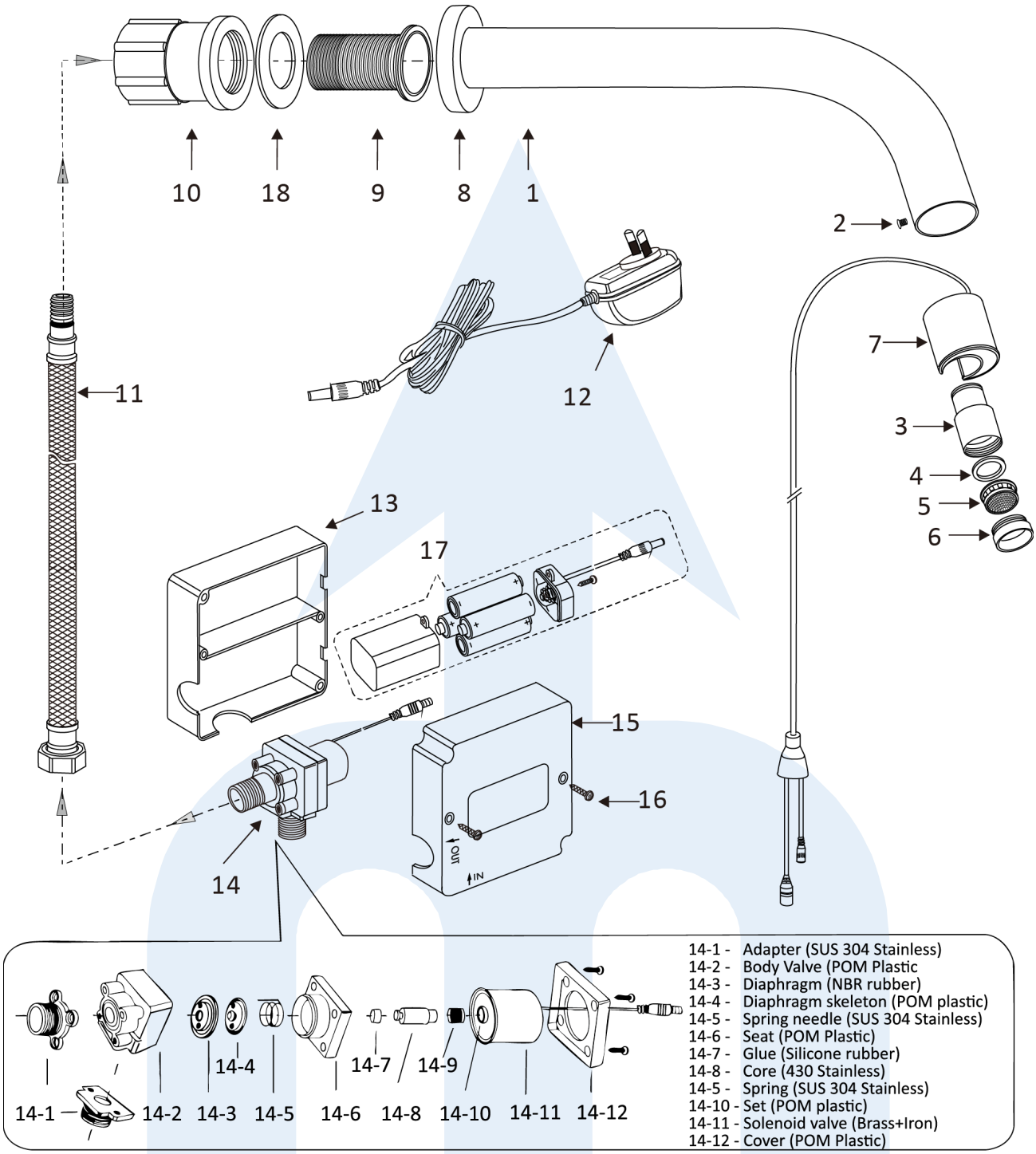
No.	Part #	Description	Material	No.	Part #	Description	Material
1.	673-033C	Spout Adapter	SUS 304 S/Steel	**14.**	673-039	Spring	SUS 304 S/Steel
2.	673-033B	Rubber Mat	NBR Rubber	**15.**	673-038	Solenoid Valve	Plastic, Rubber, Metal
3.	673-033	Aerator	POM Plastic	**16.**	673-045	Screw	SUS 304 S/Steel
4.	673-034	Spout Shell	SUS 304 S/Steel	**17.**	673-042	Cover	SUS 304 S/Steel
5.	673-035	O-Ring	NBR Rubber	**18.**	673-030	Faucet Body	SUS 304 S/Steel
6.	673-036	Flow Adjustment	Brass CW602N	**19.**	673-043B	Battery Box	Hardware Electronic
7.	673-037	Housing	Brass CW602N	**20.**	673-043A	Sensor	Electronic Hardware
8.	673-041	Diaphragm	POM Plastic + Rubber	**21.**	673-044	Faucet Cover	SUS 304 S/Steel
		Diaphragm Skeleton	POM Plastic	**22.**	673-036a	Seal	NBR Rubber
10.	679-041B	Spring needle	SUS 304 S/Steel	**23.**	673-036b	Seal	NBR rubber
11.	679-041C	Diaphragm seat	POM Plastic + Rubber	**24.**	673-043	Battery Box / Sensor	Electronic Hardware
12.	679-041D	Glue	Silicone Rubber	**25.**	673-044a	O-Ring	NBR Rubber
13.	673-040	Iron Core	430 S/Steel				

CAT 67305 Automatic Faucet Exploded View



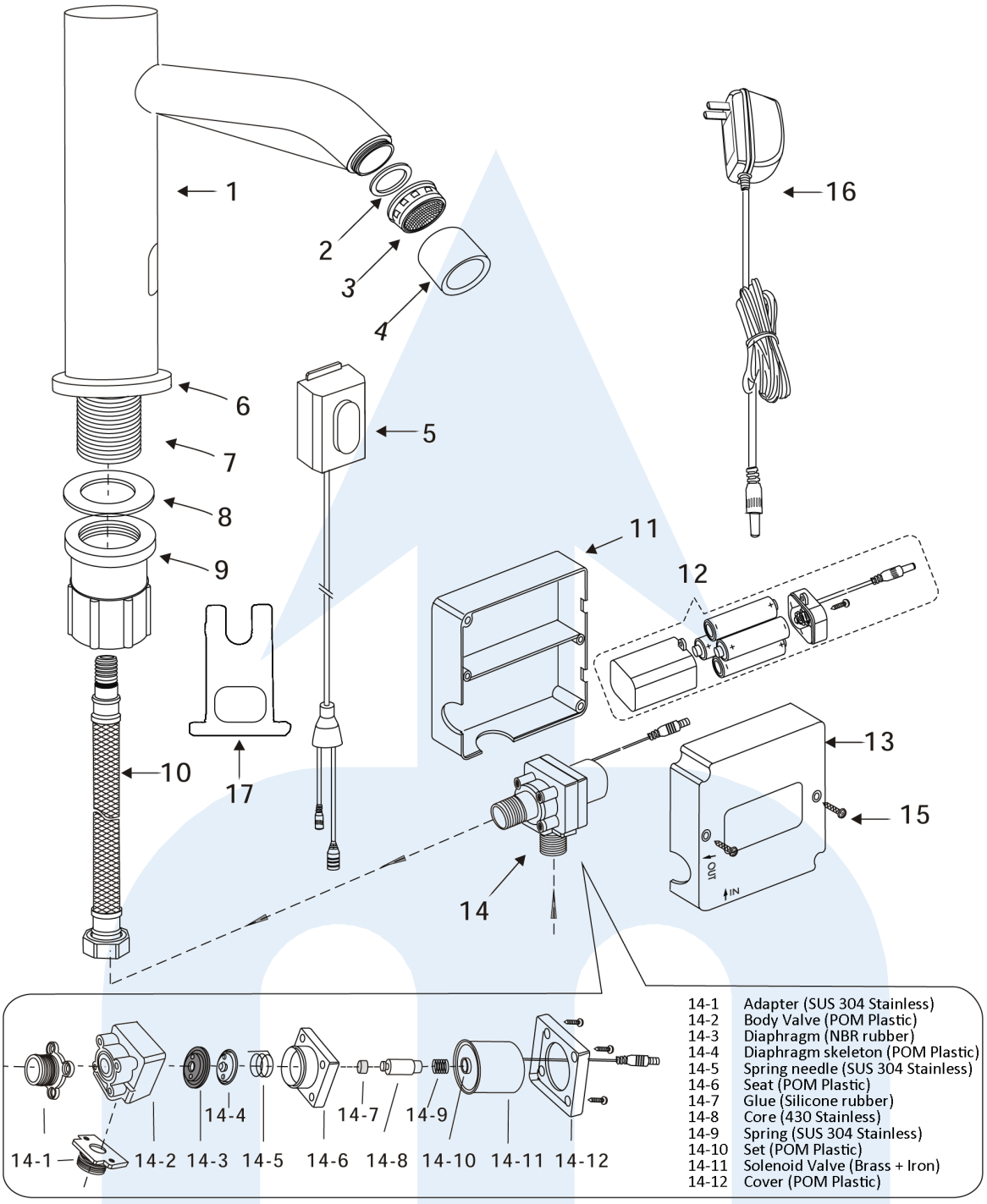
No.	Part #	Description	Material	No.	Part #	Description	Material
1.	673-050	Faucet Body	Brass	10.	673-057-1	PVC Elbow	PVC Plastic
2.	673-045	Screw	SUS 304 S Steel	11.	673-058L	Braided Hose	SUS 304 Stainless
3.	673-054c	Spout Adapter	Brass CW602N	12.	679-128	Power Adaptor	Electronic Hardware
4.	673-054B	Rubber Mat	NBR Rubber	13.	679-120	Housing	ABS Plastic
5.	673-054	Aerator	POM Plastic	14.	679-122	Solenoid Valve	POM Plastic + SUS 304 S Steel
6.	673—054a	Spout Shell	Brass CW602N	15.	679-120	Housing	ABS Plastic
7.	673-106	Sensor	Electronic Hardware	16.	679-127	Screw	SUS 304 Stainless Steel
8.	673-055	Cover	Brass CW602N	17.	679-121	Battery Box	ABS Plastic
9.	673-056-1	Mounting Plate	Brass	18.	679-123	Screws	201 Stainless

CAT 67306 Automatic Faucet Exploded View



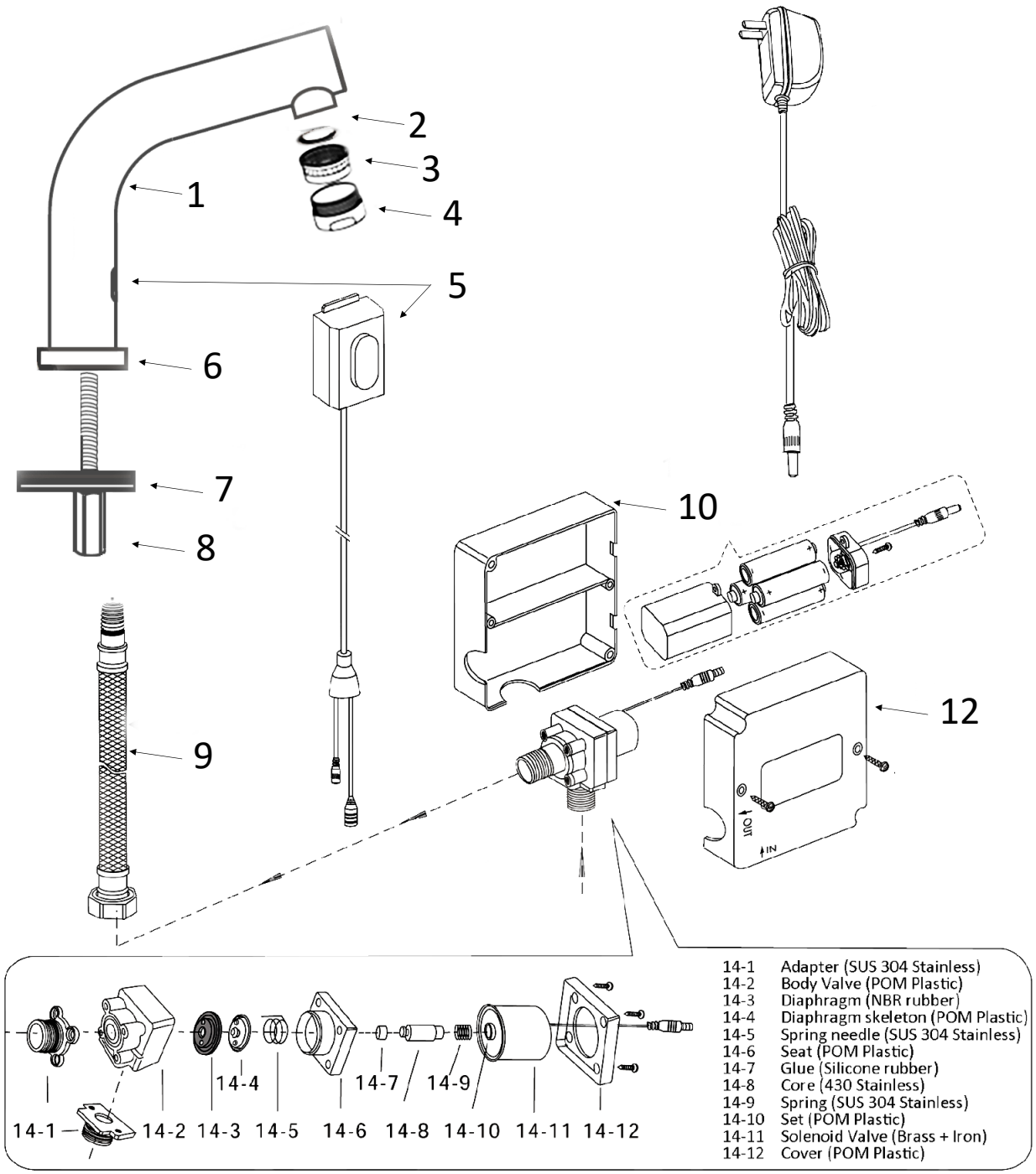
No.	Part #	Description	Material	No.	Part #	Description	Material
1.	673-050	Faucet Body	Brass	10.	673-057-2	Plastic Copper Nut	Plastic + Brass
2.	673-045	Screw	SUS 304 S Steel	11.	673-058L	Braided Hose	SUS 304 Stainless
3.	673-054c	Spout Adapter	Brass CW602N	12.	679-128	Power Adaptor	Electronic Hardware
4.	673-054B	Rubber Mat	NBR Rubber	13.	679-120	Housing	ABS Plastic
5.	673-054	Aerator	POM Plastic	14.	679-122	Solenoid Valve	Noted in Breakdown
6.	673—054a	Spout Shell	Brass CW602N	15.	679-120	Housing	ABS Plastic
7.	673-106	Sensor	Electronic Hardware	16.	679-127	Screw	SUS 304 Stainless Steel
8.	673-055	Cover	Brass CW602N	17.	679-121	Battery Box	ABS Plastic
9.	673-056-2	SS Bolts	SUS 304 S Steel	18.	679-123-1	Rubber Gasket	NBR Rubber

CAT 67917 Automatic Faucet Exploded View



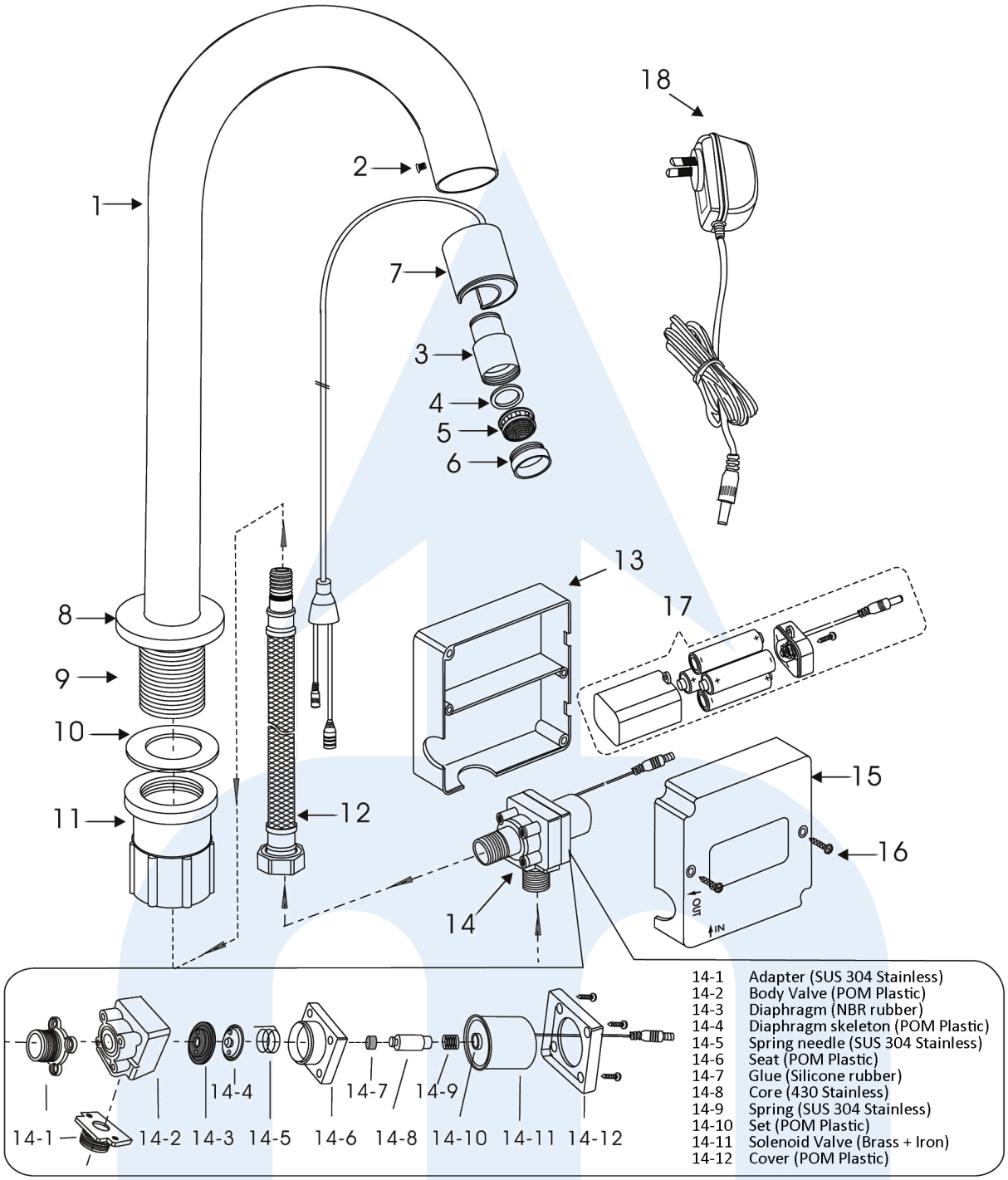
No.	Part #	Description	Material	No.	Part #	Description	Material
1.	679-170	Faucet Body	SUS 304 Stainless Steel	10.	673-058L	Braided Hose	SUS 304 Stainless WMKA21505
2.	679-172	Rubber Mat	NBR Rubber	11.	679-120	Housing	ABS Plastic
3.	679-173	Aerator	POM Plastic	12.	679-121	Battery Box	ABS Plastic
4.	679-171	Spout Shell	SUS 304 Stainless Steel	13.	679-120	Housing	ABS Plastic
5.	679-131	Sensor	Electronic Hardware	14.	679-122	Solenoid Valve	POM Plastic + SUS 304 S/Steel
6.	679-107	Cover	SUS 304 Stainless Steel	15.	679-038	Screw	SUS 304 Stainless Steel
7.	679-108	S/Steel Bolt	SUS 304 Stainless Steel	16.	679-128	Power Adaptor	Electronic Hardware
8.	679-109	Mat	NBR Rubber	17.	679-129	Sensor Lock	POM Plastic
9.	679-110	Copper Nut	POM Plastic + Brass	18.	N/A	N/A	N/A

CAT 679178 Automatic Faucet Exploded View



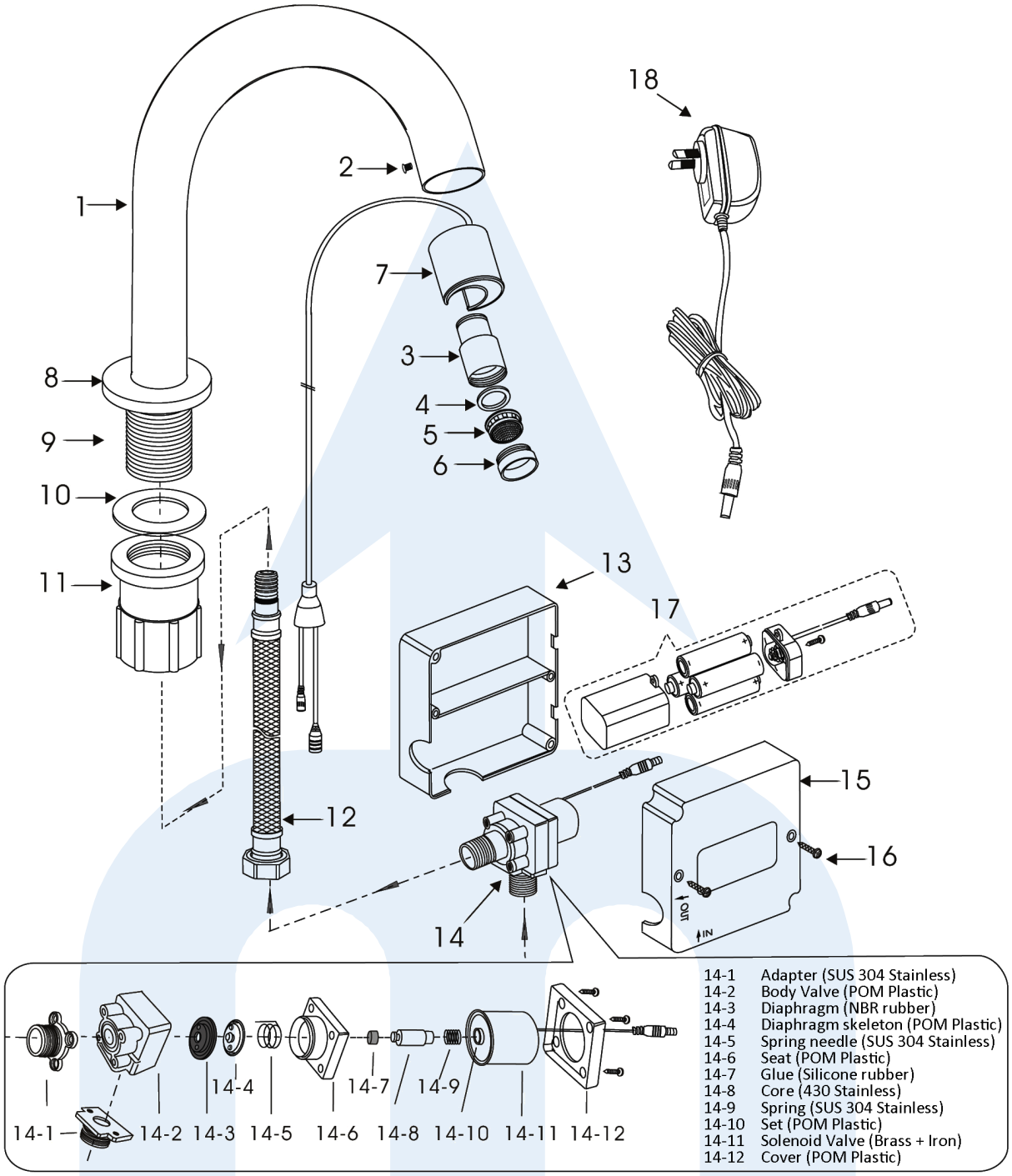
No.	Part #	Description	Material	No.	Part #	Description	Material
1.	679-800	Faucet Body	SUS 304 Stainless Steel	9.	673-058L	Braided Hose	SUS 304 Stainless WMKA21506
2.	673-033B	Rubber Mat	NBR Rubber	10.	679-120	Housing	ABS Plastic
3.	673-033	Aerator	POM Plastic	11.	679-121	Battery Box	ABS Plastic
4.	673-033D	Spout Shell	SUS 304 Stainless Steel	12.	679-120	Housing	ABS Plastic
5.	679-131	Sensor	Electronic Hardware	13.	679-127	Screw	SUS 304 Stainless Steel
6.	679-107C	Cover	SUS 304 Stainless Steel	14.	679-122	Solenoid Valve	POM Plastic + SUS 304 S/Steel
7.	679-116	Rubber Mat	NBR Rubber	15.	679-128	Power Adaptor	Electronic Hardware
8.	679-118	Copper Nut	Brass	16.	N/A	N/A	N/A

CAT 6791032 Automatic Faucet Exploded View



No.	Part #	Description	Material	No.	Part #	Description	Material
1.	679-103-200	Faucet Body	Brass CW602N	10.	679-109	Mat	NBR Rubber
2.	673-045	Screw	SUS 304 Stainless S	11.	679-110	Copper Nut	POM Plastic + Brass
3.	673-054C	Spout Adapter	Brass CW602N	12.	673-058L	Braided Hose	SUS 304 Stainless
4.	673-054B	Rubber Mat	NBR Rubber	13.	679-120	Housing	ABS Plastic
5.	673-054	Aerator	POM Plastic	14.	679-122	Solenoid Valve	POM Plastic + SUS 304 S Steel
6.	673-054A	Spout Shell	Brass CW602N	15.	679-120	Housing	ABS Plastic
7.	673-106	Sensor	Electronic Hardware	16.	679-127	Screw	SUS 304 Stainless Steel
8.	679-107B	Cover	Brass CW602N	17.	679-121	Battery Box	ABS Plastic
9.	679-108	S/Steel Bolt	SUS 304 Stainless S	18.	679-128	Power Adaptor	Electronic Hardware

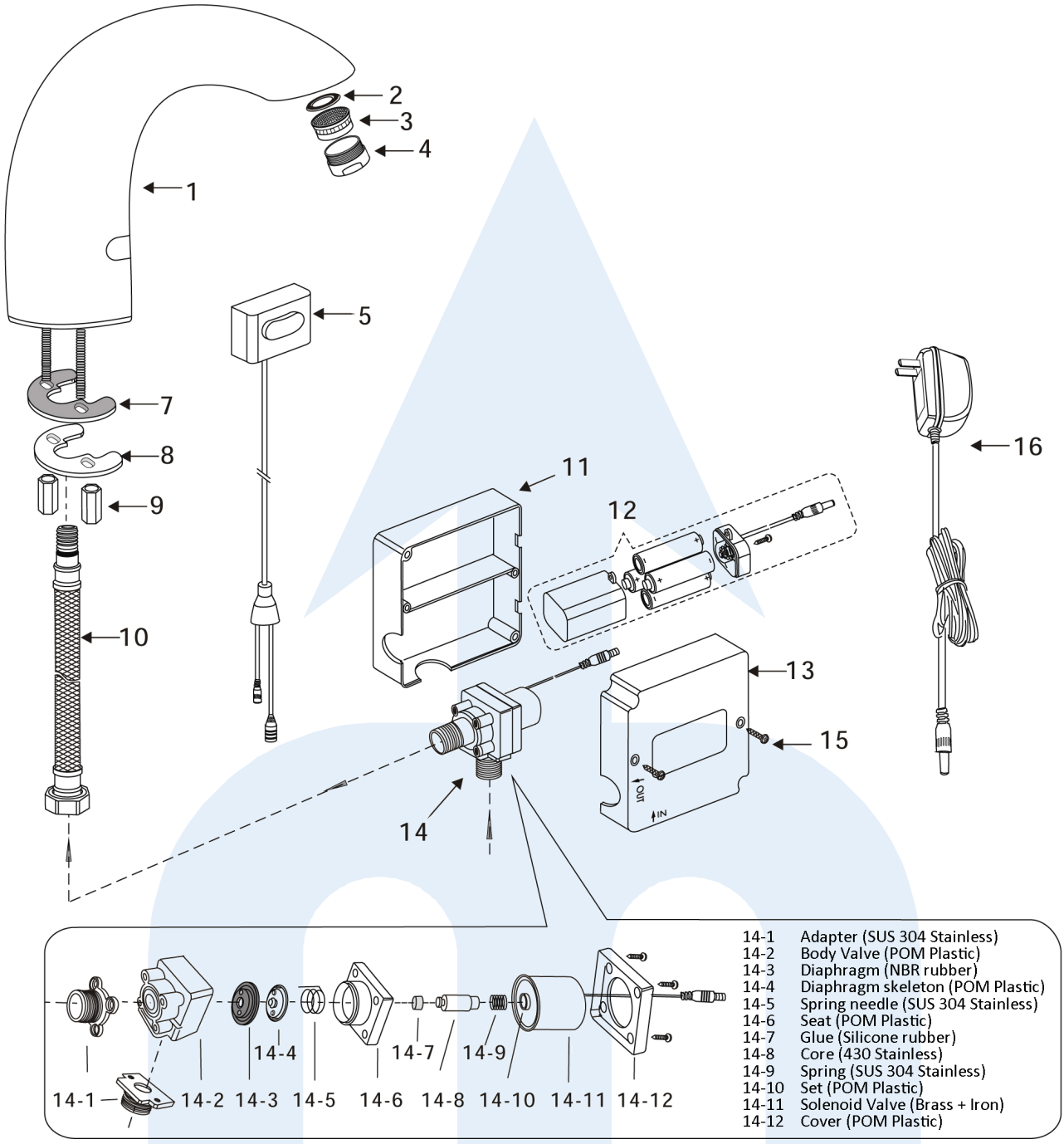
CAT 67910 Automatic Faucet Exploded View



14-1	Adapter (SUS 304 Stainless)
14-2	Body Valve (POM Plastic)
14-3	Diaphragm (NBR rubber)
14-4	Diaphragm skeleton (POM Plastic)
14-5	Spring needle (SUS 304 Stainless)
14-6	Seat (POM Plastic)
14-7	Glue (Silicone rubber)
14-8	Core (430 Stainless)
14-9	Spring (SUS 304 Stainless)
14-10	Set (POM Plastic)
14-11	Solenoid Valve (Brass + Iron)
14-12	Cover (POM Plastic)

No.	Part #	Description	Material	No.	Part #	Description	Material
1.	679-100	Faucet Body	Brass CW602N	10.	679-109	Mat	NBR Rubber
2.	673-045	Screw	SUS 304 Stainless Steel	11.	679-110	Copper Nut	POM Plastic + Brass
3.	673-054C	Spout Adapter	Brass CW602N	12.	673-058L	Braided Hose	SUS 304 Stainless WMKA21505
4.	673-054B	Rubber Mat	NBR Rubber	13.	679-120	Housing	ABS Plastic
5.	673-054	Aerator	POM Plastic	14.	679-122	Solenoid Valve	POM Plastic WMKA21177
6.	673-054A	Spout Shell	Brass CW602N	15.	679-120	Housing	ABS Plastic
7.	673-106	Sensor	Electronic Hardware	16.	679-127	Screw	SUS 304 Stainless Steel
8.	679-107B	Cover	Brass CW602N	17.	679-121	Battery Box	ABS Plastic
9.	679-108	S/Steel Bolt	SUS 304 Stainless Steel	18.	679-128	Power Adaptor	Electronic Hardware

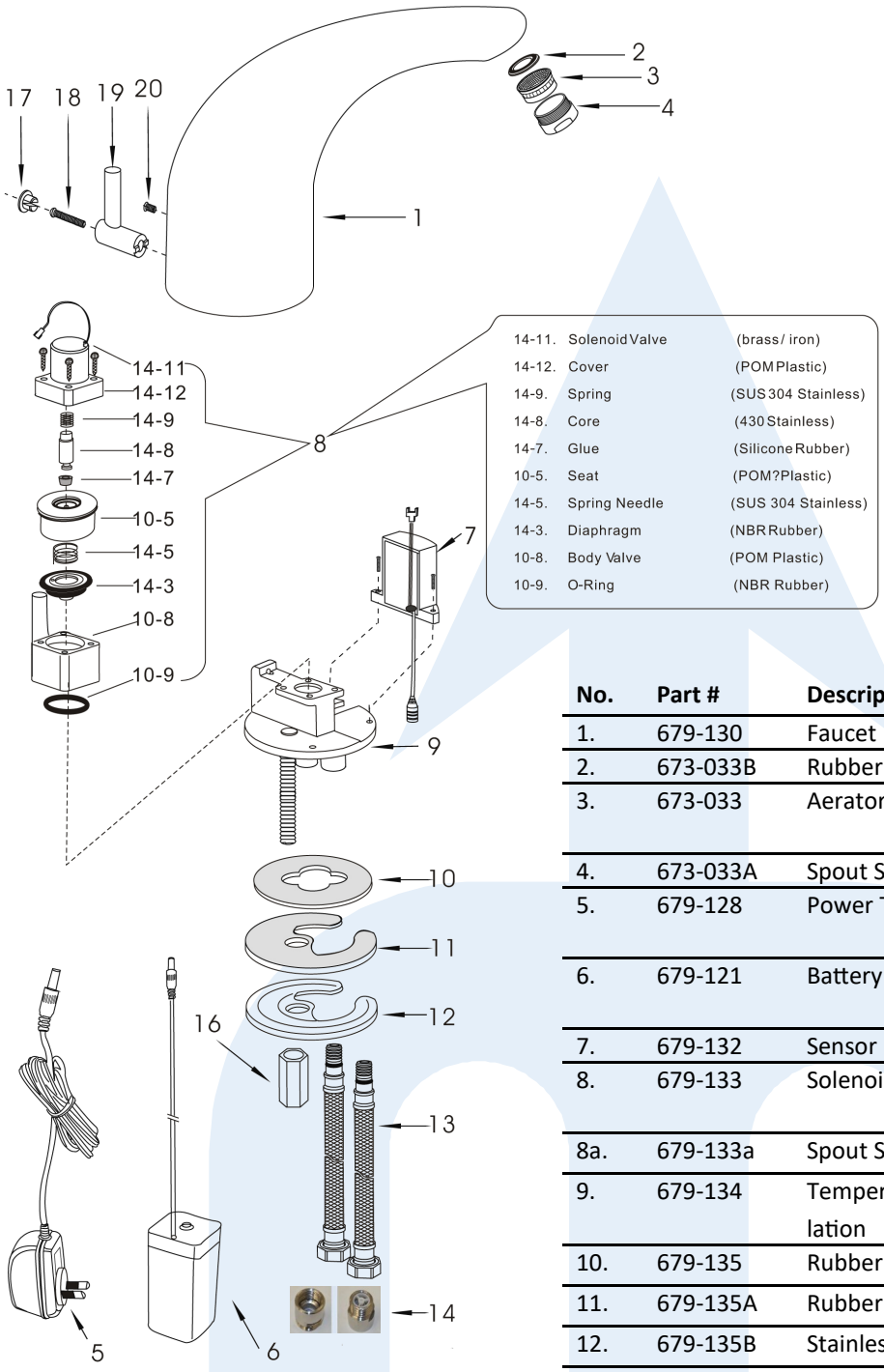
CAT 67911 Automatic Faucet Exploded View



14-1 Adapter (SUS 304 Stainless)
14-2 Body Valve (POM Plastic)
14-3 Diaphragm (NBR rubber)
14-4 Diaphragm skeleton (POM Plastic)
14-5 Spring needle (SUS 304 Stainless)
14-6 Seat (POM Plastic)
14-7 Glue (Silicone rubber)
14-8 Core (430 Stainless)
14-9 Spring (SUS 304 Stainless)
14-10 Set (POM Plastic)
14-11 Solenoid Valve (Brass + Iron)
14-12 Cover (POM Plastic)

No.	Part #	Description	Material	No.	Part #	Description	Material
1.	679-111	Faucet Body	Brass CW602N	10.	673-058L	Braided Hose	SUS 304 Stainless WMKA21505
2.	673-033B	Rubber Mat	NBR Rubber	11.	679-120	Housing	ABS Plastic
3.	673-033	Aerator	POM Plastic WMKA21177	12.	679-121	Battery Box	ABS Plastic
4.	673-033A	Spout Shell	Brass CW602N	13.	679-120	Housing	ABS Plastic
5.	679-115	Sensor	Electronic Hardware	14.	679-122	Solenoid Valve	POM Plastic WMKA21177
6.	N/A	N/A	N/A	15.	679-127	Screw	SUS 304 Stainless Steel
7.	679-116	Rubber Mat	NBR Rubber	16.	679-128	Power Adaptor	Electronic Hardware
8.	679-117	Brass Mat	Brass	17.	N/A	N/A	N/A
9.	679-118	Copper Nut	Brass	18.	N/A	N/A	N/A

Cat 67913 Automatic Faucets Exploded View



No.	Part #	Description	Material
1.	679-130	Faucet Body	Brass CW602N
2.	673-033B	Rubber Mat	NBR Rubber
3.	673-033	Aerator	POM Plastic WMKA21177
4.	673-033A	Spout Shell	Brass CW602N
5.	679-128	Power Transformer	Electronic Hardware
6.	679-121	Battery Holder	ABS Plastic
7.	679-132	Sensor	Electronic Hardware
8.	679-133	Solenoid Valve	POM Plastic + Rubber
8a.	679-133a	Spout Shell	Brass CW602N
9.	679-134	Temperature Regulation	Brass CW602N
10.	679-135	Rubber Mat	NBR Rubber
11.	679-135A	Rubber Mat	NBR Rubber
12.	679-135B	Stainless Steel Mat	SUS 304 S/Steel
13.	673-058L	Braided Hose	SUS 304 S/Steel WMKA21505
14.	679-136AS	1/2” Stop Valve	SUS 304 S/STEEL + POM Plastic
16.	679-135C	Copper Nut	Brass
17.	679-137A	Cover	ABS Plastic
18.	679-137B	Screw	SUS 304 S/Steel
19.	679-137	Knob	Brass
20.	679-137C	Screw	SUS 304 S/Steel