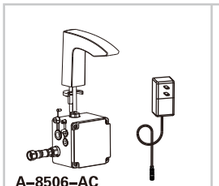
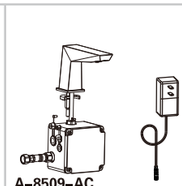
Attention:
Please leave the manual with the customer after installation is finished.



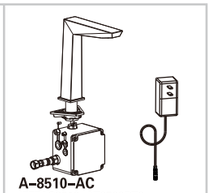
A–8506–AC
(FFAS8506–AT0500BT0
WF–8506.AT0.50)
line–sensor technology sensor faucet (AC)



A–8507–AC
(FFAS8507–AT0500BT0
WF–8507.AT0.50)
line–sensor technology extend sensor faucet (AC)



A–8509–AC
(FFAS8509–AT0500BT0
WF–8509.AT0.50)
line–sensor technology square senso faucet (AC)



A–8510–AC
(FFFAS8510–AT0500BT0
WF–8510.AT0.50)
line–sensor technology square extend senso faucet (AC)

American Standard

Installation & Operation Instruction

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.

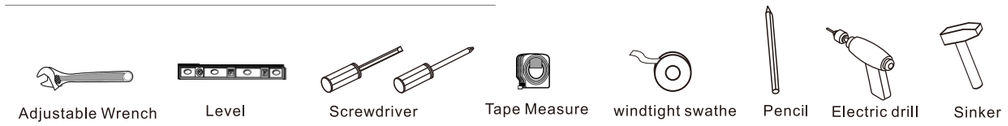
* American Standard always keep raising and improving the product design and performance, and reserve the right to modify the dimension and spefication. At this case, we will not inform you separately.
* This installation instruction sheet is for your reference only, the dimension and specification is subject to the actual products.

All instruction procedures must comply in strict accordance with applicable local plumbing and building codes

Caution

1. **Remove all the impurities in pipes before beginning to avoid clogging.**
2. **Water supply for this product should be drinking water. Seawater is forbidden.**
3. **Check installation distances with the dimension diagram to ensure correct installation.**
4. **To avoid surface damage by improper cleaning, please refer the attached care and Maintenance instruction.**
5. **Don't make the sensor window close to electromagnetic or the strong ultraviolet radiation so as not to affect the normal work of the installation.**
6. **Please turn off the water supply system during maintenance.**
7. **Keep the sensor window clean. And don't Knock on it.**
8. **Organic solvent shouldn't spray to the sensor window directly.**

Recommended Tools and Materials



Adjustable Wrench | Level | Screwdriver | Tape Measure | windtight swathe | Pencil | Electric drill | Sinker

Specification

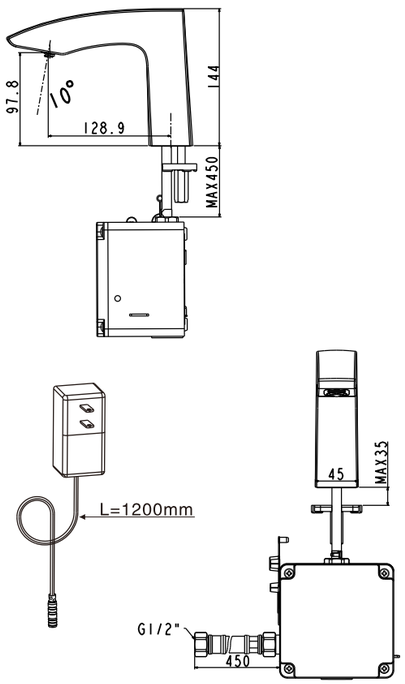
Type	A–8506–AC / A–8507–AC / A–8509–AC / A–8510–AC
Power Supply	AC220V 50Hz (AC)
Mode of the inducing	Infrared Induction
Detection Distance	130mm
Recommended water pressure condition	0.05Mpa ~ 0.75Mpa
Pressure Requirement	0.1 ~ 0.55Mpa
Pipe Size	G 1/2"
Environment Temperature	1℃ ~ 55℃
Acceptable water temperature	1℃ ~ 45℃
Water saving setting	Dynamic usage time over 59 Seconds, it will shut off automatically

Rev. 158M000200/A3

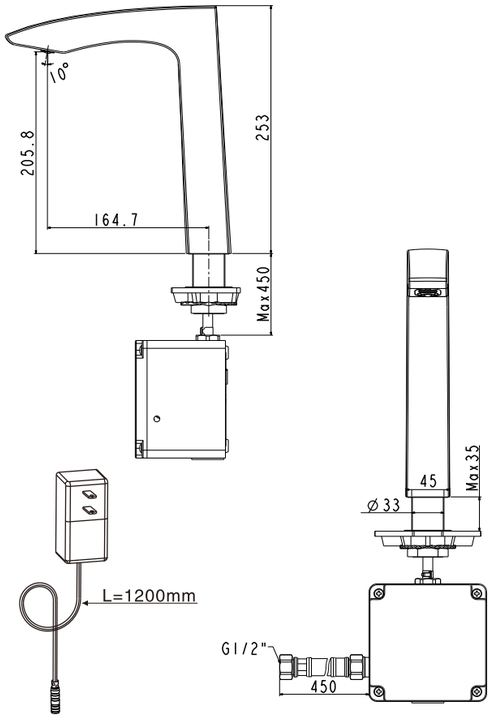
Dimension

Unit:mm

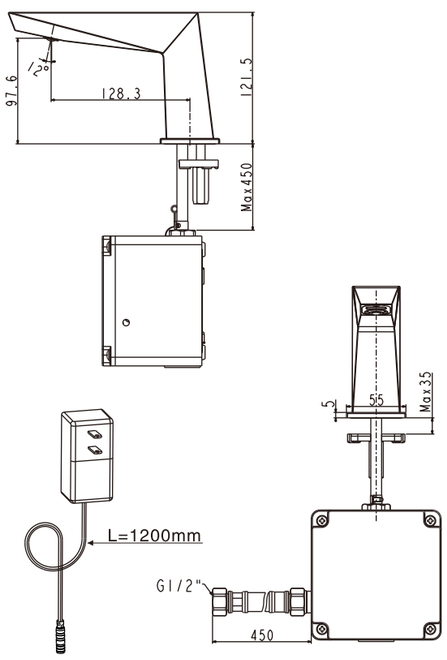
A-8506-AC



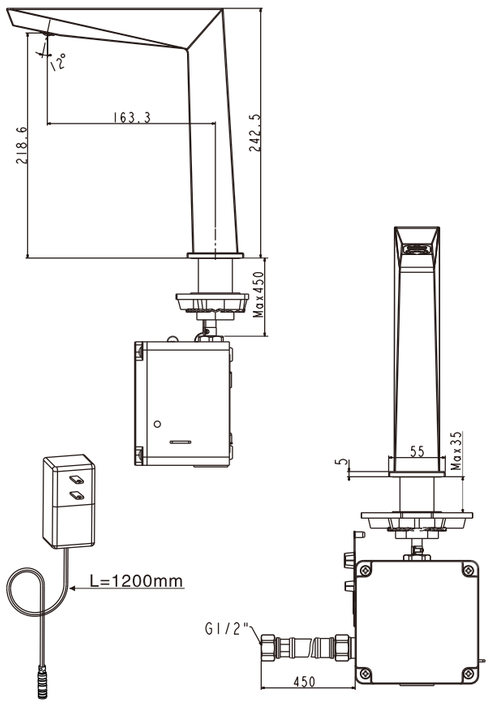
A-8507-AC



A-8509-AC



A-8510-AC



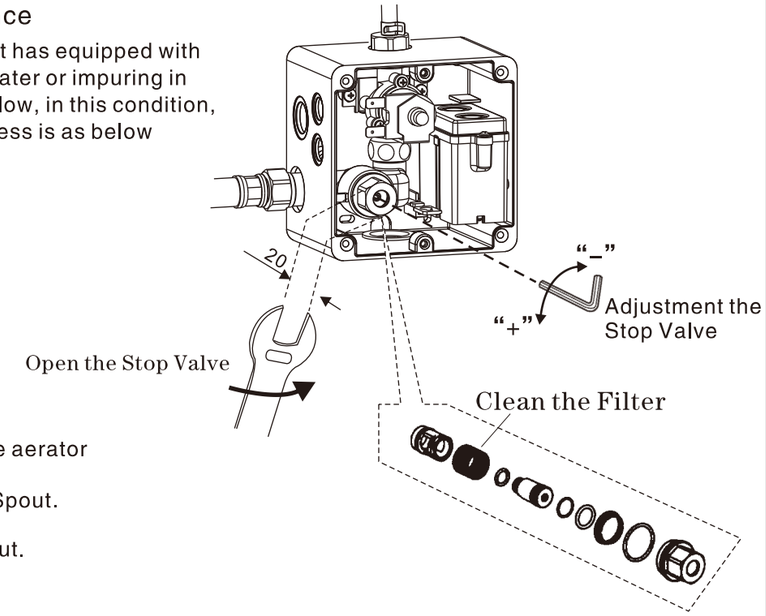
Trouble Shooting Guide

Problem	Reason	Correction
No Detection No Flow	No battery or the battery installed wrongly or no power supply Something around the sensor is detected all the time Sensor window is dirty The connection is not connected correctly	Install battery and connection power supply Remove the things around the sensor Clean the sensor window Check the connection Replace the bottery if the old one is used out
Has detection but no flow	The stop valve is closed Somethings around the sensor is detected all the time Sensor window is dirty	Open the stop valve Remove somethings around the sensor Clean the window
Low water flow	The stop valve is not opened entirely The filters are blocked Low water pressure	Open the stop valve entirely Clean the filters Contact with water supply department
Water flow nonstop	Something around the sensor is detected all the time The Solenoid Valve are blocked	Remove the things around the sensor Clean the Solenoid Valve

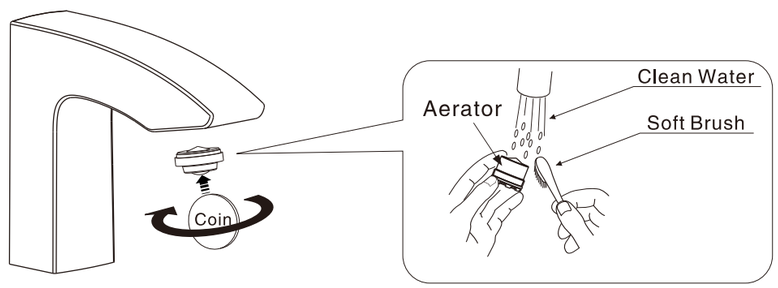
Care & Maintenance

1. Filter for Care & Maintenance

The Stop Valve of this sensor faucet has equipped with good quality filter, But the impure water or impuring in the water pipe will affect the water flow, in this condition, you should clean the filter, the process is as below



2. If necessary, you could clean the aerator too as per below step
a). Screw off the Aerator from the Spout.
b). Clean the Aerator with water.
c). Reinstall the Aerator to the Spout.



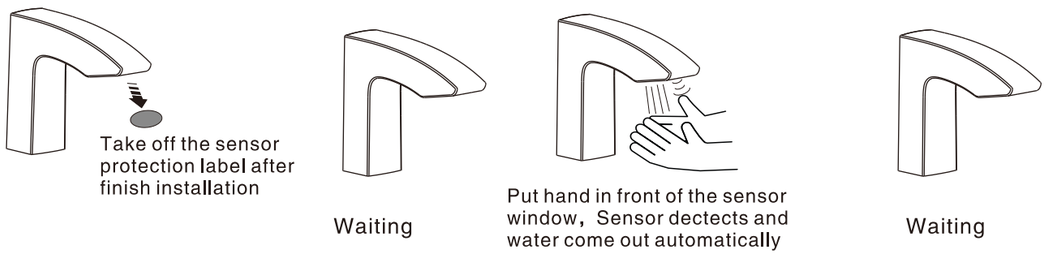
Usage Instruction

1 Test/Usage

Test

* Make sure the connection of power and water supply.
* Open the water supply, Make sure no leakage in all connection.
* When enter the sensor zone, sensor dectect and flush , When leave the detection zone, valve will flush again then stop, and waitting for start.
* Make sure every thing in working order.

Usage



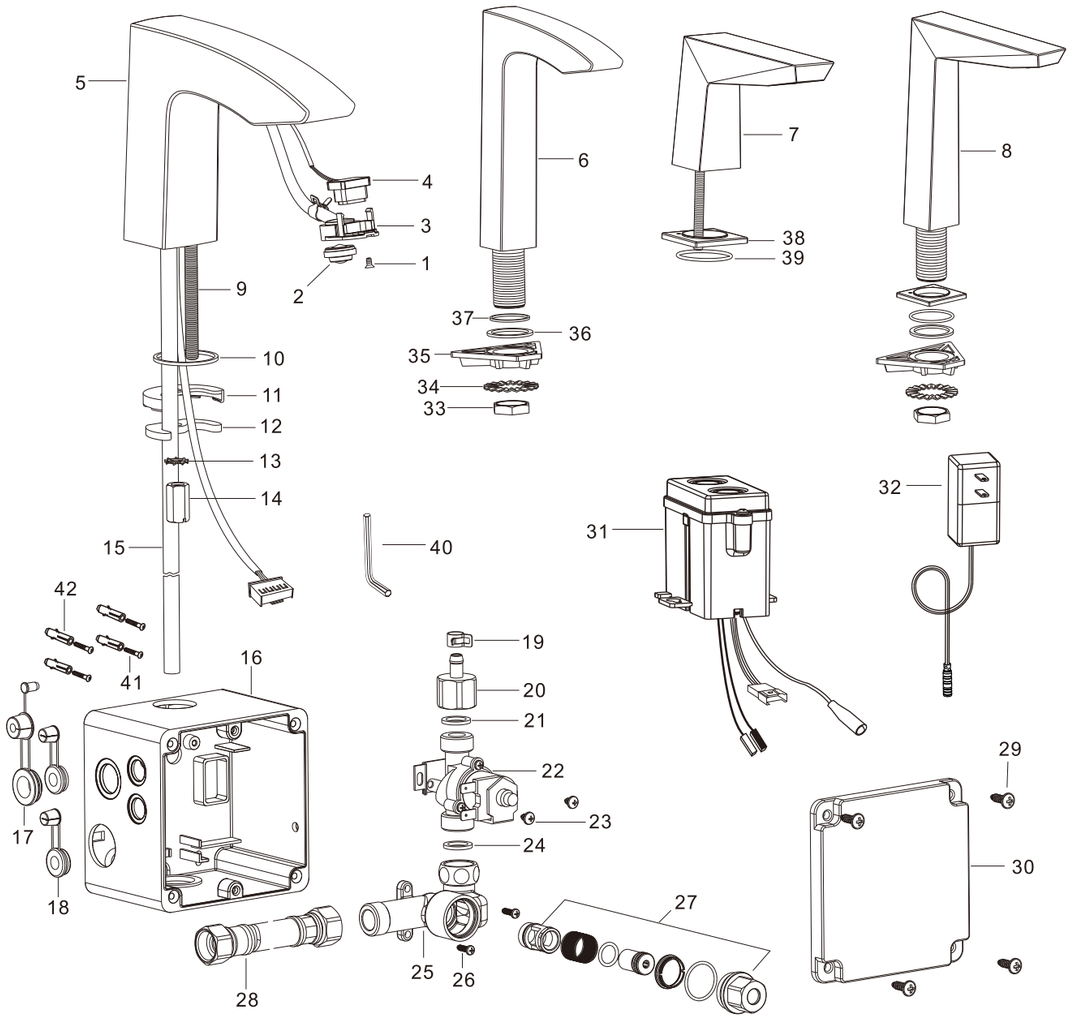
2 Overtime Usage Control

* The sensor will stop working temporarily if the usage continuous 1 minute.
* After it stop, hand or object must leave the detectioe range, when hand or object put into the detective range again, the sensor will work again, otherwise, it can't work.

3 Temperature control of Cold and Hot water mixing (Non–thermostatic valve)

* This product is available juct for cold water if you need the cold and hot water mixing you have to add addiconal mixing valve or thermostatic valve to control the water temperature to avoid scald.

Parts List



Parts List

No.	Part Noame	Q'ty A-8506	A-8507	A-8509	A-8510	No.	Part Noame	Q'ty A-8506	A-8507	A-8509	A-8510
1	Screw	1	1	1	1	25	Body (Stop Valve)	1	1	1	1
2	Aerator	1	1	1	1	26	Screw	2	2	2	2
3	Sensor housing	1	1	1	1	27	Stop Valve	1	1	1	1
4	Sensor	1	1	1	1	28	Hose	1	1	1	1
5	Spout (WF–8506)	1	0	0	0	29	Screw	4	4	4	4
6	Spout (WF–8507)	0	1	0	0	30	Cover of control box	1	1	1	1
7	Spout (WF–8509)	0	0	1	0	31	Battery box	1	1	1	1
8	Spout (WF–8510)	0	0	0	1	32	Power adaptor	1	1	1	1
9	Shank	1	0	1	0	33	Nut	0	1	0	1
10	Washer	1	0	0	0	34	Washer	0	1	0	1
11	Washer	1	0	1	0	35	Plate	0	1	0	1
12	Washer	1	0	1	0	36	Washer	0	1	0	1
13	Washer	1	0	1	0	37	Washer	0	1	0	1
14	Nut	1	0	1	0	38	Cap	0	0	1	1
15	Hose	1	1	1	1	39	Washer	0	0	1	1
16	Shell of control box	1	1	1	1	40	In–hex Wrench	1	1	1	1
17	Plug (big)	1	1	1	1	41	Screw	4	4	4	4
18	Plug (small)	2	2	2	2	42	Anchor	4	4	4	4
19	Click	2	2	2	2						
20	Tie–in	1	1	1	1						
21	Washer	1	1	1	1						
22	Solenoid	1	1	1	1						
23	Screw	2	2	2	2						
24	Washer	1	1	1	1						

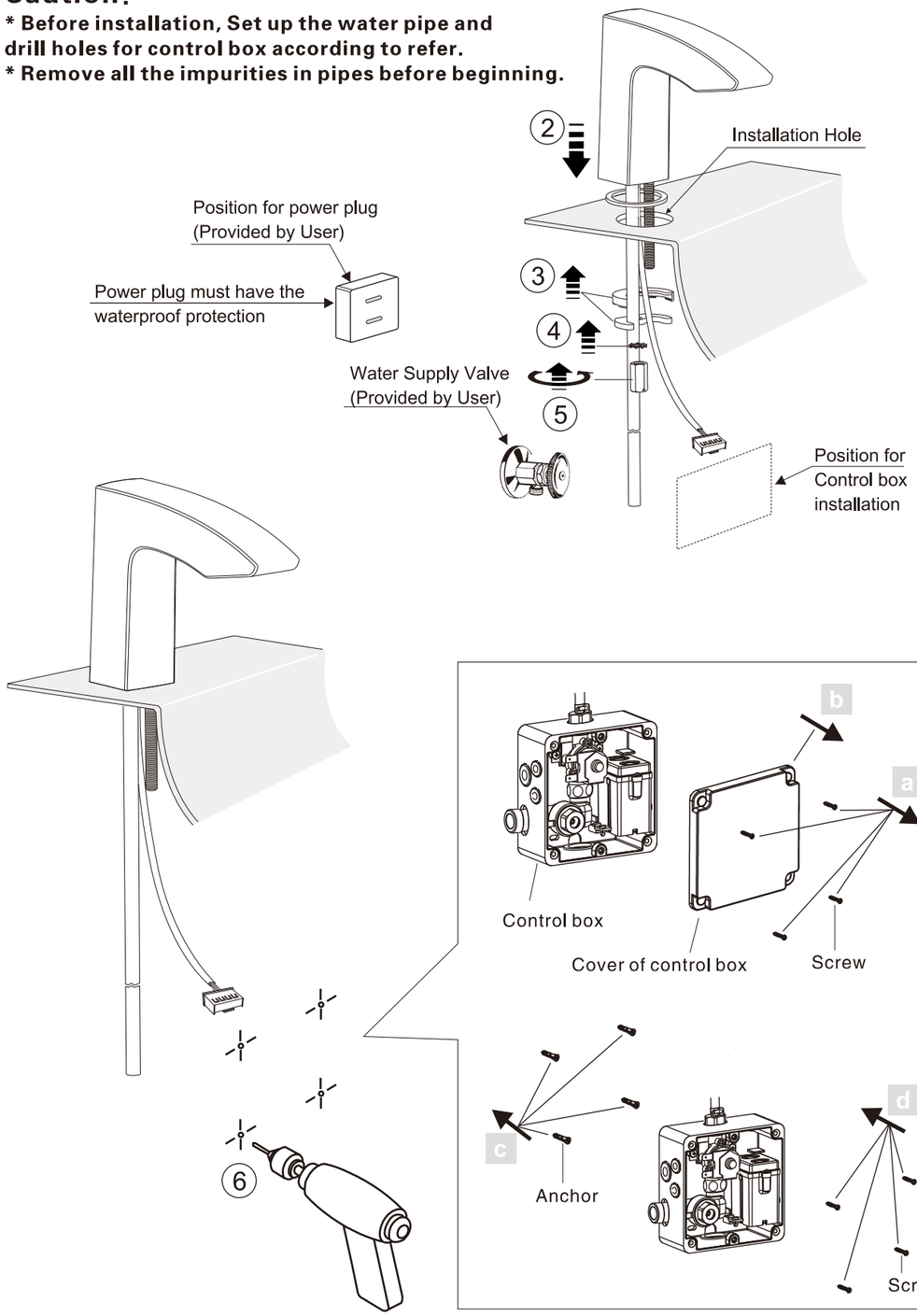
Installation

1 Installing the Spout and Control box

① **Caution:**

*** Before installation, Set up the water pipe and drill holes for control box according to refer.**

*** Remove all the impurities in pipes before beginning.**



Installation

2 Installing the Water supply pipeline and electrical wire and and cover of control box

Caution:
When the poller is connected, the faucet will start to work after several second, during this period, please don’ t take off the censor protection label, if the label has been taken off, nothing should be close to the sensor.

