



**MEFE**  
MITCHELL ENGINEERING  
FOOD EQUIPMENT PTY LTD

## Installation Manual



### **Automatic Sensor Tap Hot and Cold Mixer Deck Mounted**

CAT 67913  
Chrome Plated

CAT 67913B  
Matte Black

Revision 15

## Product Description

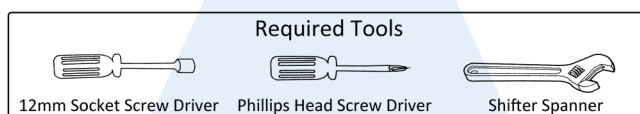
- This sensor tap is designed to turn on with sensor activation and off when hands are removed.
- Features a micro-computer infrared sensor control module, low consumption microprocessor chip with stable performance and high anti-interference.
- Automatically calibrates sensing range according to the environment and stores this into 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.
- 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.



## 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.

## Specifications

<b>Power</b>	AC 240V or DC 6V 4 x AA alkaline batteries* (batteries not supplied)	<b>Installation Diameter</b>	Single hole (32mm)
<b>Battery Life</b>	150,000 cycles	<b>Response Time</b>	Less than 0.7 seconds
<b>Sensing Range</b>	<p><b>Products before SN: 11044</b> Default approximately 10cm</p> <p><b>Products including and after SN: 11044</b> Default approximately 10cm Reprogrammed with remote achieves min 0 to 5 or max 0 to 20cm**</p>	<b>Water Stop Protection (Auto Shut Off)</b>	Approx. 30—60 seconds
<b>Working Temperature</b>	1°C - 60°C Maximum holding temperature 40°C	<b>Flow Rate</b>	Less than 3 L/s at 0.3Mpa
<b>Working Pressure</b>	0.07Mpa—0.7Mpa	<b>Ambient Humidity</b>	95% or less
<b>Inlet Size</b>	BSP 1/2" (DN15) male thread	<b>Faucet Body Material</b>	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.



### 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

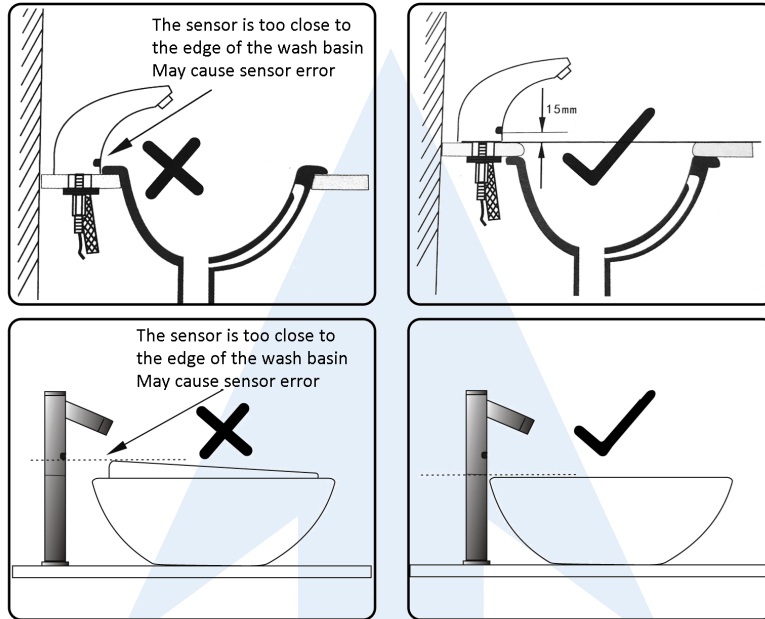
Suitable for use for AS 1428.1 design and access requirements when installed in reference to AS 1428.1 2009 Amendment 1 and the intent of the Disability Discrimination Act (DDA).

## Choosing the Correct Basin

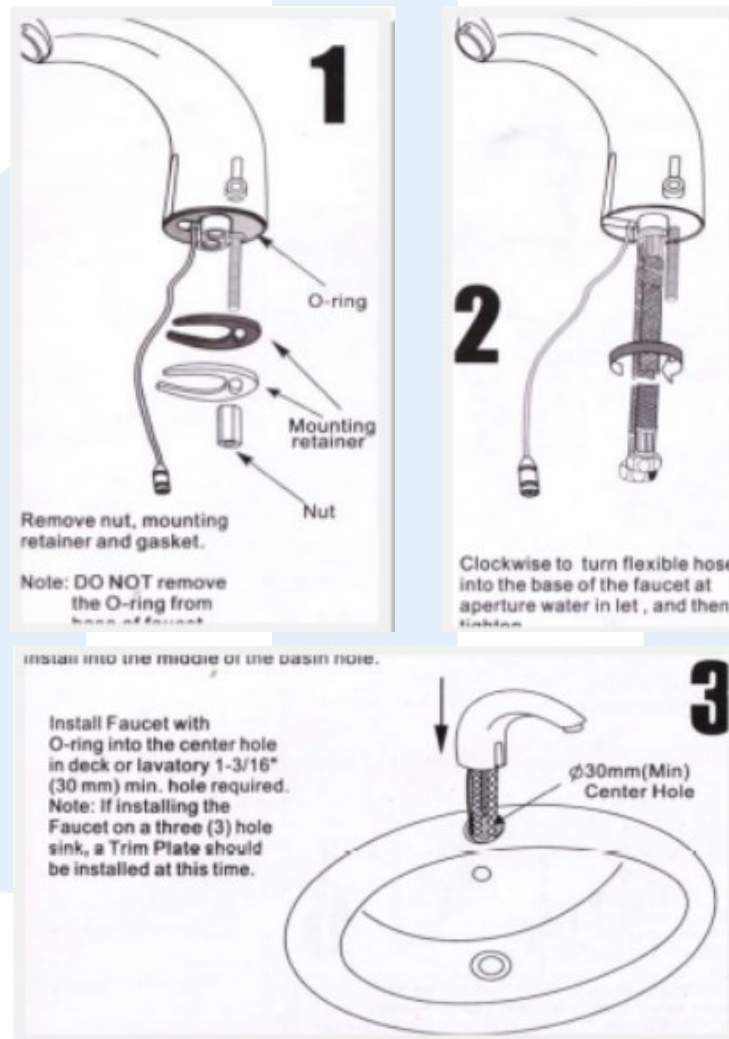
### IMPORTANT:

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

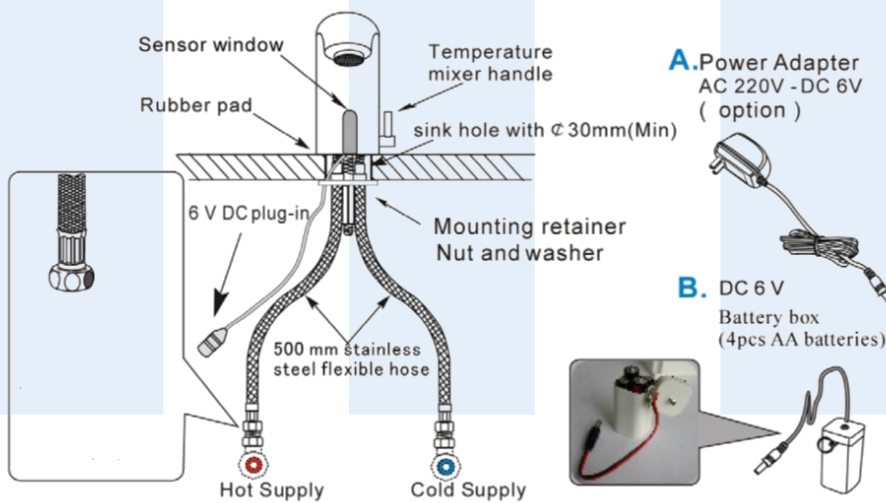
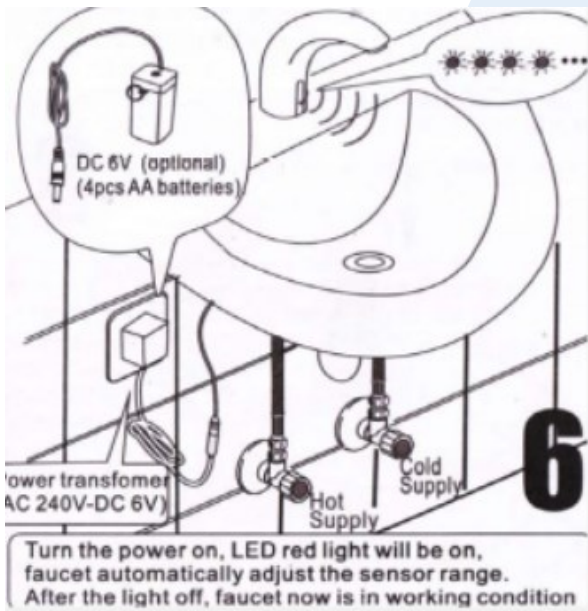
**Warning:** Sensor of the faucet must be higher than the basin or lavatory. Minimum of 15mm.



## Installation



Installation Cont.



## Fault Check

Our sensor tap range is primarily divided into three components: the sensor, the solenoid valve, and the power supply. The solenoid valve and power supply are universal and interchangeable parts across our range of same type taps. The sensor is specific to each spout type.

If you have other sensor taps or spare parts available it can be helpful to trouble shoot by swapping parts until the faulty part is identified.

Issue	Cause
No water flow	Check the power supply: if using batteries, carefully check the correct polarity of the batteries and replace. The sensor light should flash indicating the tap is entering programming mode.
No water flow	Check the sensor: After confirming power is OK, if the sensor light does not flash, replace the sensor.
No water flow	Check the solenoid valve: place your hands under the faucet, you should hear a click of the solenoid valve indicating the sensor is working normally. This means water is not supplied or unable to flow. Check the solenoid valve for obstruction—the solenoid diaphragm may be blocked. Opening and cleaning the solenoid may be necessary, or replace the solenoid
Intermittent water flow / does not stop flowing	Check the sensing range: This is most likely caused by a failure to program sensing range correctly due to interference from a reflective basin. We recommend you remove power for 2 minutes, then reconnect and allow the sensor to adjust to a short sensing range. It can be beneficial to place cardboard at the bottom of the basin when recalibrating the sensing range to remove interference from strong reflections.

## Cleaning and Maintenance

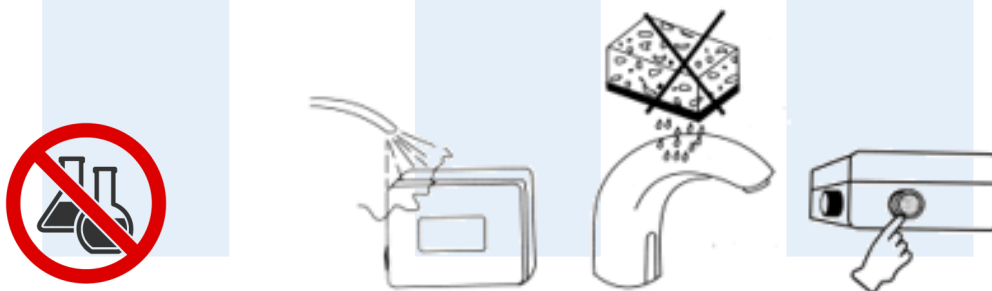
Regular cleaning is essential to keep your tap looking its best.

**Do not** rinse the control box with water.

**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).

**Wash only** in 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.**





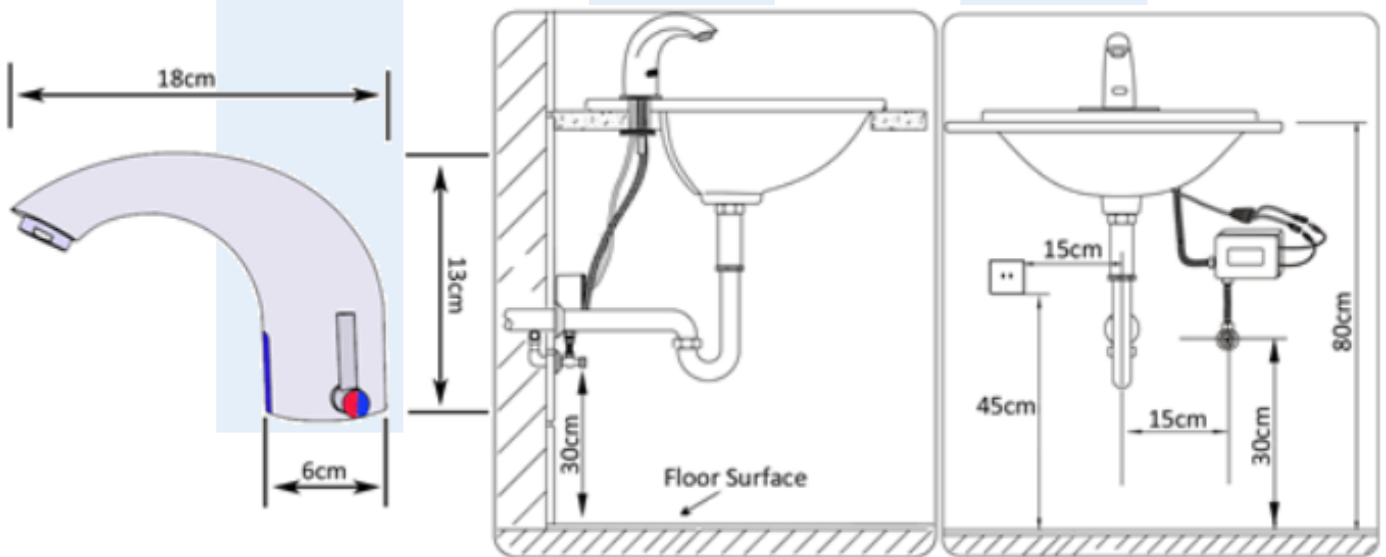
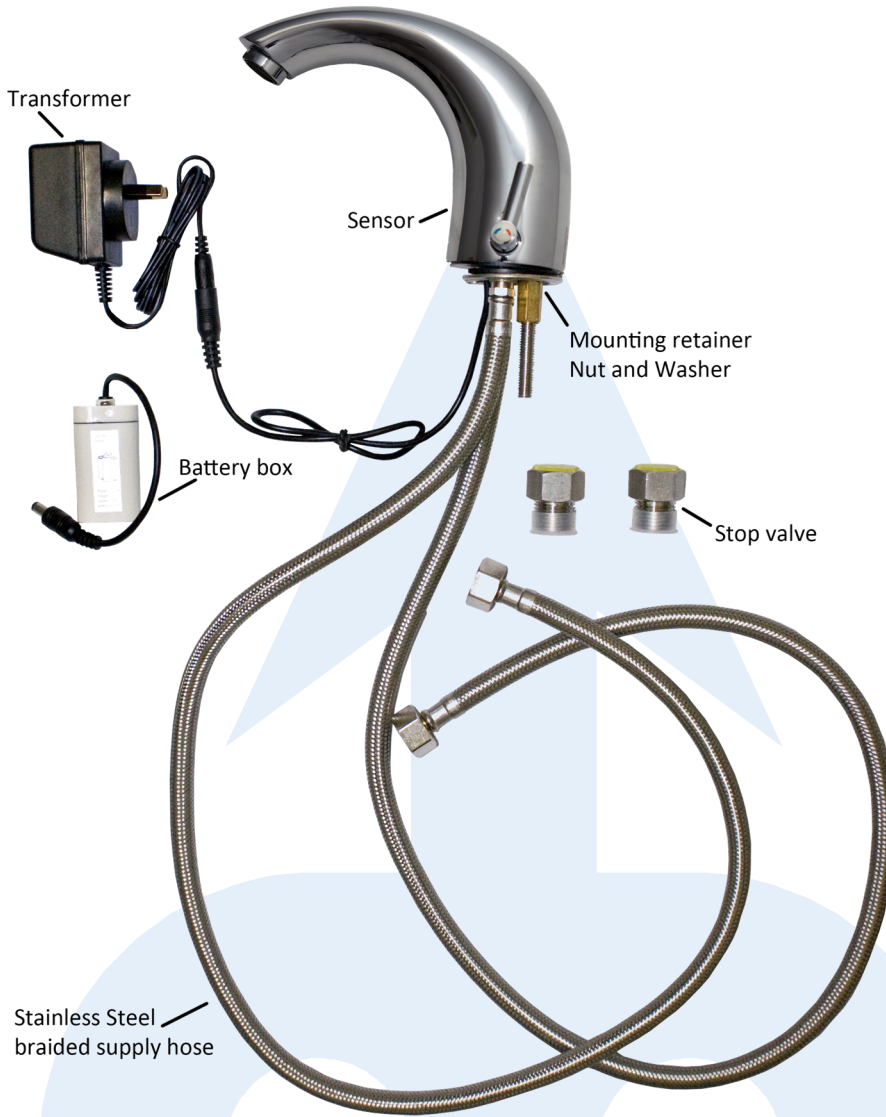
The more stars the more water efficient

**WATER RATING**  
www.waterrating.gov.au

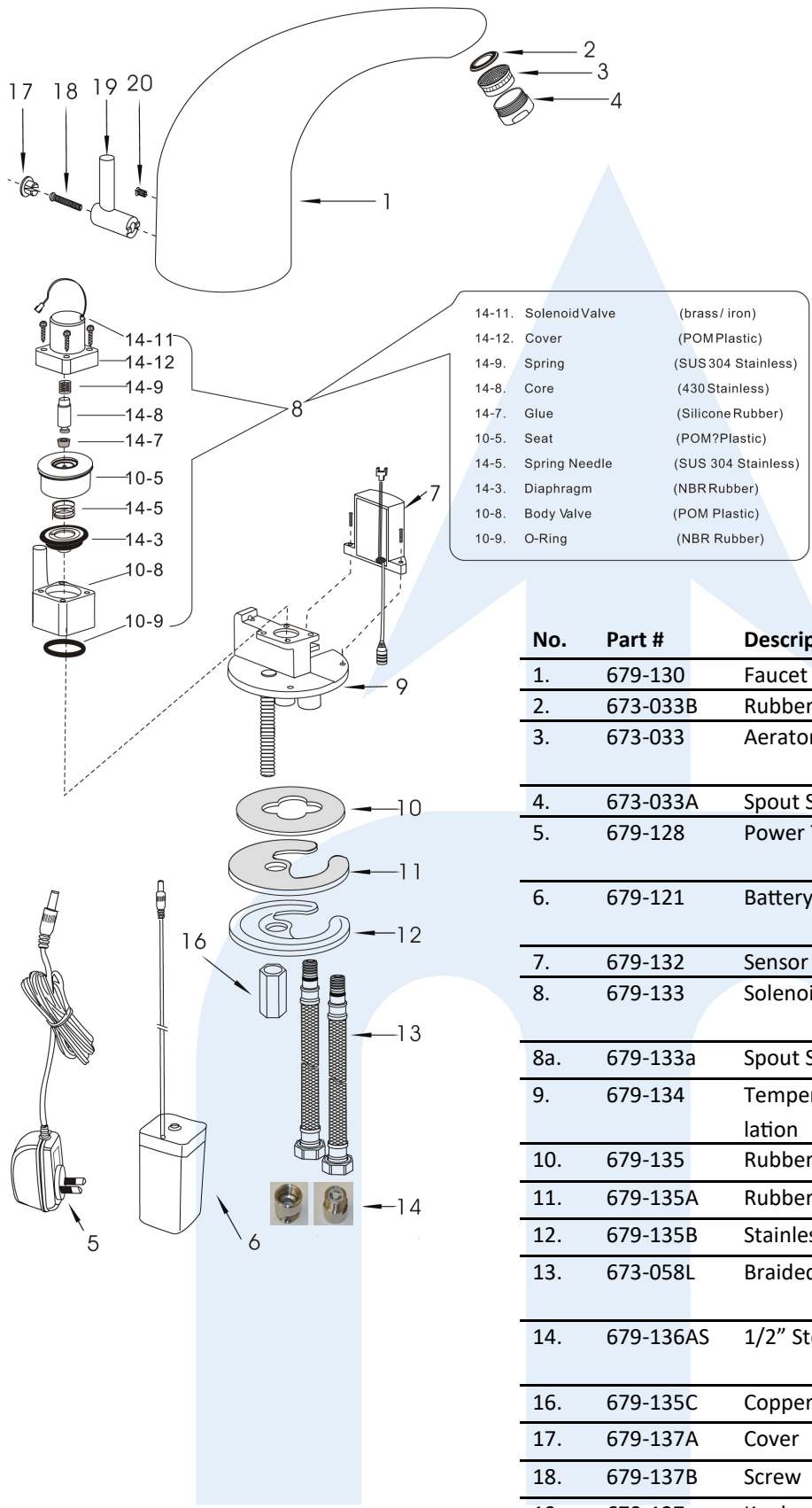
**5.0** litres per minute

In accordance with AS/NZS 6400

**Licence No. 1718**  
Mitchell Engineering Food Equipment Pty Ltd



# 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