Compass Manufacturing International
Freendo Faucets

LIMITED LIFETIME WARRANTY

Compass Manufacturing International warrants to the original consumer purchaser that the faucet be free from defects in material and workmanship for as long as the original consumer purchaser owns the home in which the faucet was first installed.

In the event that Freendo Faucets are used in a Commercial Application, this warranty is limited for a period of 5 years, unless otherwise specifically stated in the catalog and/or price book.

Compass Manufacturing International will replace, free of charge, during the applicable warranty period, any part or finish that proves defective in material and/or workmanship under normal installation, use and service. This warranty shall not apply to goods which have been subject to accidents, negligence or improper installation. Compass Manufacturing International will not be liable for other damages or losses, including, but not limited to: labor charges and/or damages incurred in installation, repair or replacement as well as any other kind of loss or damage. Proof of purchase from the original consumer purchaser must be made available for all warranty claims.

Compass Manufacturing International recommends using a professional plumber for all installation and repair. Compass Manufacturing International will, at its discretion, provide new or equivalent replacement parts for any product that proves to be defective under normal usage and service. Replacement parts may be obtained by emailing the address below, calling the number below or by writing to:

Compass Manufacturing International
Freendo Product Service
6702 Enterprise Drive
Louisville, KY 40214
800.626.3525
warranty@cmiproduct.com

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Model No. :	192-6398	Polished Chrome
	192-6399	Brushed Nickel Spotless PVD
	192-6400	Oil-Rubbed Bronze
	192-7144	Brushed Gold
	192-7145	Matte Black

Cardania Single Handle Bathroom Faucet with Pop-up Drain

Single or 3 Hole Installation

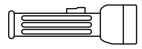
Helpful Information

Helpful Tools

Tools:

Gather the necessary tools as shown below to complete the installation of this faucet. Some may not be needed depending on the model of faucet you are installing.

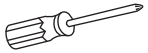
Plumber's Putty and/or Silicone



Flashlight

Basin Wrench

Safety Glasses



Screwdriver

Pliers

Channel Locks

Adjustable Wrench

Maintenance

Your new faucet is designed for years of trouble-free performance.
Keep it looking new by cleaning it periodically with a soft, damp cloth.
Avoid abrasive cleaners, steel wool and harsh chemicals as these will dull the finish and void your warranty.

Safety Tips

- If you use solder for the installation of this faucet, please remove the seats, cartridges and washers before soldering. Otherwise the warranty will be voided on these parts.
- Protect your eyes with safety glasses when cutting or soldering water supply line.
- Cover your drain to avoid losing parts.

Important Points

Prior to beginning installation, turn off the cold and hot water lines and turn on the old faucet to release built-up pressure. When installing your new faucet, turn the connector nuts finger tight, then use a wrench to anchor the fitting and a second wrench to tighten the nut one additional turn. Connections that are too tight can compromise the integrity of the system. Wrap all threaded connections with teflon tape. Always wrap in a clockwise direction.

5 Troubleshooting

If the instructions were followed carefully and the faucet does not work properly, try these corrective steps.

Problem	Cause	Action
Leaks underneath handle (#1).	Lock nut (#5) has come loose.	Turn off the water supplies. Remove the handle (#1) and the trim cap (#4). If the lock nut (#5) is loose tighten it.
Water will not shut off completely.	Dirty or damaged cartridge (#6).	Turn off the water supplies. Remove the handle (#1) and the trim cap (#4), lock nut (#5) and cartridge (#6). Check the ceramic disk for dirt and damage. Replace the cartridge (#6), if damaged. If the cartridge (#6) is dirty, soak it in warm white vinegar for 4 hours. Every 30 minutes, while the cartridge (#6) is completely submerged, turn the stem on off 10 times. Reinstall the cartridge (#6), lock nut (#5), trim cap (#4), and handle (#1).
The aerator (#10) leaks or has an inconsistent water flow pattern.	The aerator (#10) is dirty or misaligned.	Remove the aerator (#10) using the aerator wrench (#25) and check the rubber packing. If the rubber packing is misaligned, realign the rubber packing and reinstall. If the aerator (#10) is dirty, soak it in warm white vinegar for 30 minutes. Reinstall or replace the aerator (#10) with aerator wrench (#25).

Have a question? DON'T GO BACK TO THE STORE, WE CAN HELP, just call 1-800-626-3525 ,8 a.m. to 5 p.m. EST Monday-Friday, or send an email to Help@cmiproduct.com.

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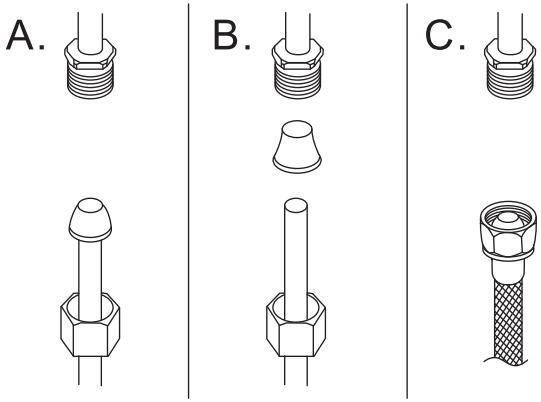
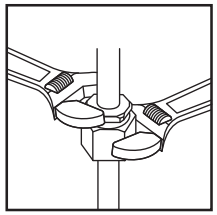
Configuration



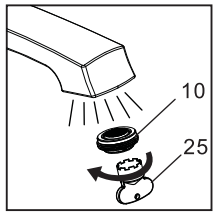
Warning:
The supply valves and supply lines are not included.

Connect to water supply lines with either:
(A) 3/8″ O.D. Copper tubing (ball nose risers with the coupling nuts or;
(B) 3/8″ Copper tubing (no ball) with supplied tube head interior connector or;
(C) IPS faucet connectors (½″)



Important:

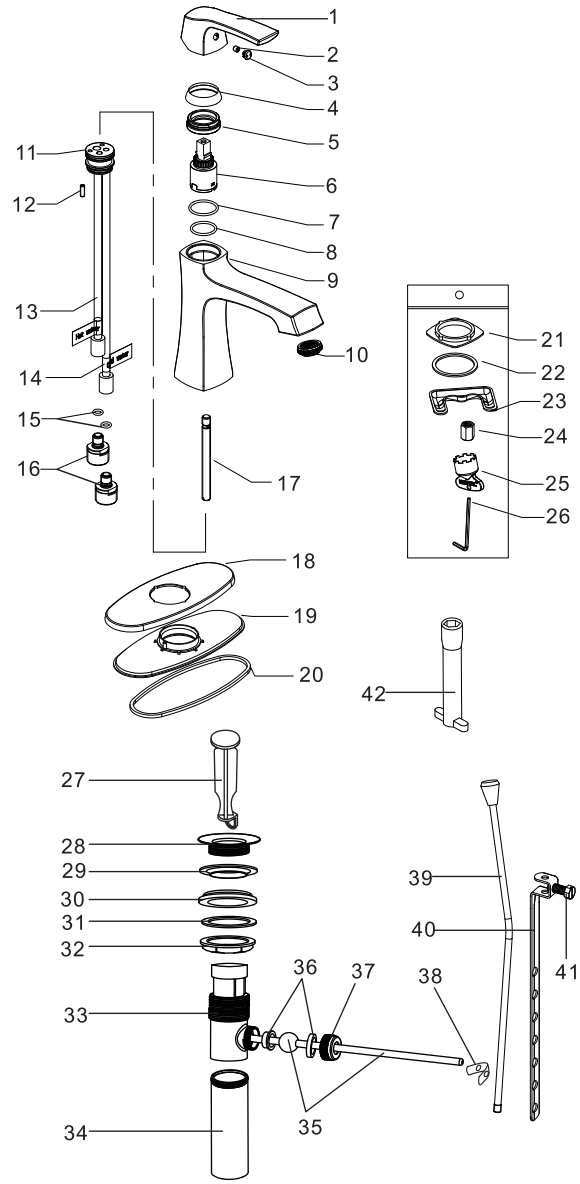
Tighten connection with two wrenches to prevent damage to tube body. Be careful not to bend the stem as this will void the product warranty.



Important:
Remove the aerator (#10), using the aerator wrench (#25). Turn on the hot and cold water for one minute. This will flush any debris from the lines that might clog the system. Turn off the water and reinstall the aerator (#10), using the aerator wrench (#25).
Test system for leaks.

1

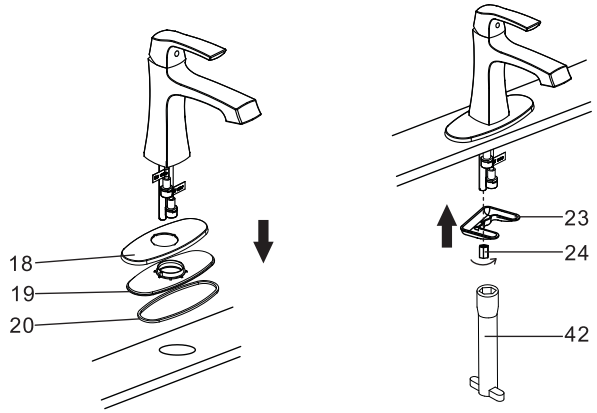
Parts Diagram / List



No.	Part Name
1	Handle
2	Set Screw
3	Index
4	Trim Cap
5	Cartridge Lock Nut
6	Cartridge
7	O-ring
8	O-ring
9	Body
10	Aerator
11	Waterway
12	Screw
13	Copper Tube (Hot)
14	Copper Tube (Cold)
15	O-ring
16	Adapter
17	Mounting Bolt
18	Deck Plate
19	Gasket
20	Seal
21	Gasket
22	Sponge Gasket
23	Clamp
24	Lock Nut
25	Aerator Wrench
26	Allen Wench
27	Drain Stopper
28	Flange
29	Top Rubber Washer
30	Bottom Rubber Washer
31	Washer
32	Lock Nut
33	Drain Body
34	Tailpiece
35	Ball Rod
36	Ball Rod Gasket
37	Ball Nut
38	Spring Clip
39	Lift Rod
40	Lift Rod Strap
41	Lift Rod Strap Screw
42	Socket Wrench

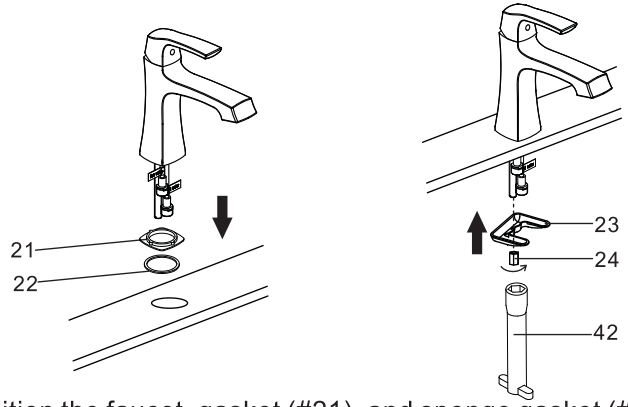
Installation Instructions

Deck Plate Installation



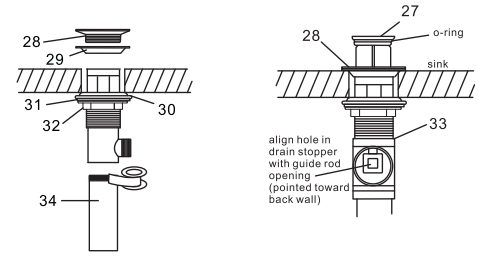
1. Position the faucet, deck plate (#18), gasket (#19) and seal (#20) on the countertop in order as shown.
2. Attach the faucet to the countertop with the clamp (#23) and lock nut (#24), using the socket wrench (#42).
   DO NOT OVER TIGHTEN.
   Add silicone under the gasket (#19) to prevent leaks. (Optional)

Single Hole Installation

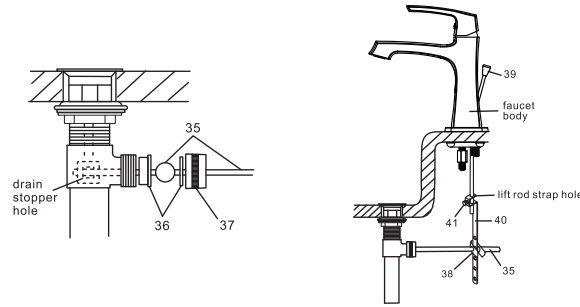


1. Position the faucet, gasket (#21), and sponge gasket (#22) in the order shown.
2. Attach the faucet to the countertop with the clamp (#23) and lock nut (#24), using the socket wrench (#42). **DO NOT OVER TIGHTEN.**

Installation Instructions



3. Disassemble the drain stopper (#27), flange (#28), and top rubber washer (#29).
4. Insert the drain body (#33) into the drain hole from under the sink. Reinstall the flange (#28) and top rubber washer (#29) to the drain body (#33) and hand tighten.
5. From under the sink, install the bottom rubber washer (#30), washer (#31) and tighten the lock nut (#32) until firmly against the sink base.
6. Disassemble the tailpiece (#34) from the drain body (#33) and apply teflon tape clockwise. Reinstall the tailpiece (#34) to the drain body (#33).
7. Reinstall the drain stopper (#27) into the drain body (#33). Ensure o-ring is in place and align the stopper hole with the guide rod opening, as shown.



8. Remove ball nut (#37) and ball rod gasket (#36) from the ball rod (#35). Insert ball rod (#35) into the drain body (#33) and the hole in the drain stopper (#27). Reinstall the ball rod gasket (#36) and ball nut (#37).
9. Insert lift rod (#39) through hole on faucet body. Connect ball rod (#35) to lift rod strap (#40) using spring clip (#38) to hold and adjust.
10. Attach lift rod strap (#40) to the lift rod (#39) by inserting the lift rod (#39) through the lift rod strap (#40) hole. Adjust the lift rod (#39) to the correct height and hand tighten the lift rod strap screw (#41).