Amana®

IC2 Top Freezer Refrigerator Ice Maker Kit Installation and Operating Instructions

Keep these instructions for future reference. Be sure this manual stays with ice maker.

Contents

Introduction

Recognize this symbol as a safety precaution

CAUTION

To avoid personal injury or property damage, observe all safety instructions.

Read entire manual before installing kit. All necessary tools and materials must be available prior to installation. Verify all listed parts are included in kit. If parts are missing, contact source from whom kit was purchased.

- Mechanical experience is required to install kit. Installation can take from 3 to 6 hours.
- If unable to solve a problem during installation, contact an authorized Amana® technician. Locate a Factory Service Center or independent authorized technician by calling **1-800-628-5782** inside U.S.A. and **1-319-622-5511** outside U.S.A. Service is at owner's expense.

Safety Instructions

WARNING

To avoid electrical shock which can cause severe personal injury or death, unplug power cord or open household circuit breaker to refrigerator before installing kit. After installing kit, reconnect power.

CAUTION

To avoid property damage, observe the following:

- Confirm water pressure to water valve is at least 20 pounds per square inch.
- Start nuts by hand to avoid cross threading. Finish tightening nuts using a wrench(s). Do not overtighten.
- Check carefully for water leaks prior to returning refrigerator to normal location and 24 hours after connection.

Materials Required

Important

- Before connecting ice maker, contact a plumber to connect copper tubing to household plumbing in compliance with local codes and ordinances.
- Amana Appliances recommends using a saddle valve. **Do not use self-piercing valve**. Amana Appliances is not responsible for property damage due to improper installation or water connection.

1/4" (6 mm) flexible copper tubing*.

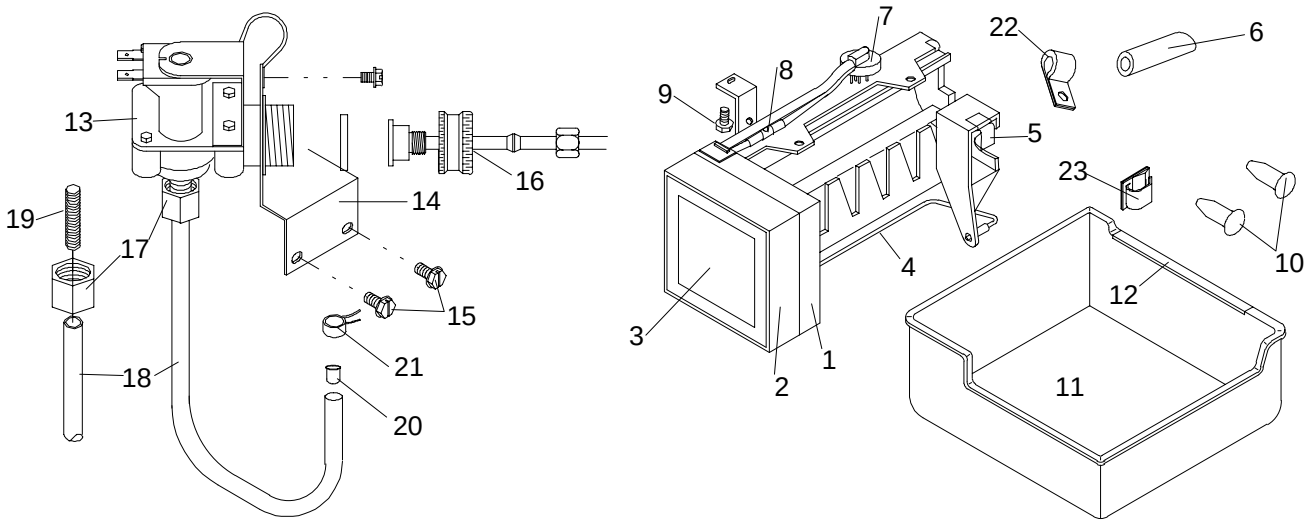
*Length of copper tubing must reach from water supply connection plus an additional 8' (2 1/2 m) for service loop behind refrigerator. Tubing should be soft instead of rigid and ends should be free of burrs.

Tools Required

- 3/8" electric drill (ground fault protected)
- 3/8" drill bit
- 1/4" hex nut driver
- 1/2" open-end wrenches (2)
- Adjustable wrench
- Flat blade screwdriver
- Slip joint pliers
- Putty knife
- Masking tape
- Bucket
- Towel
- Gloves

Parts

Use listed part numbers only when ordering replacement parts. Part numbers are not used in installation instructions.



Item	Description	Part number	Qty.	Item	Description	Part number	Qty
1	Ice maker	D7824703	1	12	Ice storage bucket handle trim	C8831601	1
2	Ice maker cover	B5724506	1	13	Water valve	D7712603	1
3	Ice maker cover decorative insert	C8963601	1	14	Water valve mounting bracket	D7701602	1
N/S	Warning label (attached to side cover)	A3036901	1	15	$^{3}/_{8}$" long thread cutting screw	M0251015	3
N/S	Diagnostic label (attached to inside of cover)	10834701	1	16	Water valve coupling assembly	10244903	1
4	Ice maker arm	10901401	1	17	Nylon nut and sleeve	M0753001	1
5	Stainless steel clip	B5720301	1	18	¼" plastic tubing	B5705308	1
6	Water fill tube extension	A3127404	1	19	Anti-kink spring	A1055101	1
7	Ice maker wire harness	D7826301	1	20	Stainless steel insert	A3223101	1
8	Thermal fuse clip	10319801	1	21	Hose clamp	M0114003	1
9	$^{5}/_{8}$" long sheet metal screw	M0211018	1	22	"P" clamp	M0108001	1
10	Round plug (side-by-side models)	M0310701	1	23	Plastic clip	M0104101	1
11	Ice storage bucket	D7053901	1	N/S	Installation and operating instructions	10527054	1

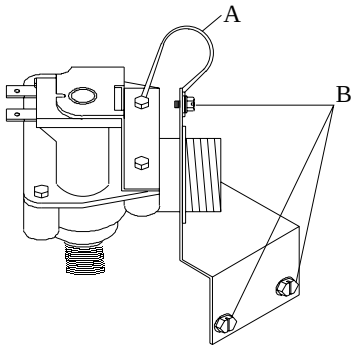
Procedure

1. Turn off water supply to refrigerator.

CAUTION

To avoid property damage, protect soft vinyl or other flooring with cardboard, rugs, or other protective material when moving refrigerator.

2. Move refrigerator away from wall. Unplug refrigerator.
3. Seal open end of copper tubing with masking tape to keep inside of tubing clean. Route copper tubing up to refrigerator through floor or interior wall behind refrigerator providing 3/8" (10 mm) holes as required. Copper tubing route must be above 35°F (2°C) to prevent water line from freezing.
4. Secure water valve mounting bracket behind square collar on water valve inlet. Attach ground wire to bracket with a 3/8" (10 mm) long cutting screw and a 1/4" (6 mm) hex nut driver.



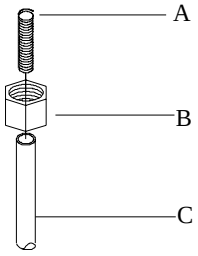
A. Gtround Wire B. 3/8" (10 mm) long screw

Securing water valve

WARNING

To avoid electrical shock which can cause severe personal injury or death, ground wire must be properly attached to both bracket and water valve.

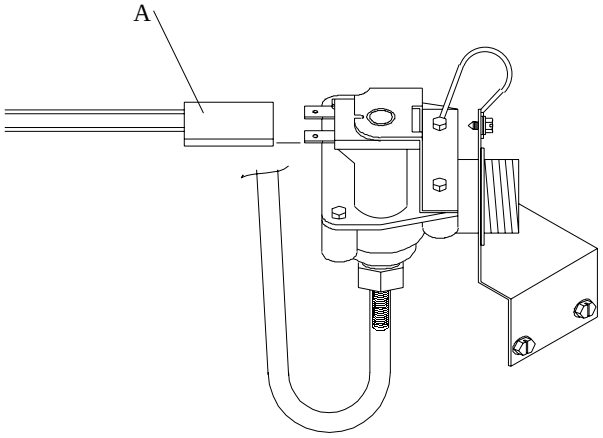
5. Slide end of plastic tubing through nut. Insert anti-kink spring into plastic tubing. Large coil must face out. Do not force large coil into plastic tubing. Large coil prevents spring from slipping through plastic tubing. Spring will prevent plastic tubing from kinking.



A. Spring B. Nut
C. Plastic tubing

Installing anti-kink spring

6. Push end of plastic tubing with spring into bottom water valve fitting. Tighten nut with pliers.
7. Remove lower cover on rear of refrigerator cabinet by removing screws with a 1/4" hex nut driver. Remove electrical wiring plug from retainer clamp on lower rail of refrigerator cabinet. Connect electrical wiring plug to water valve spade terminals. Non-polarized plugs connect to either terminal.



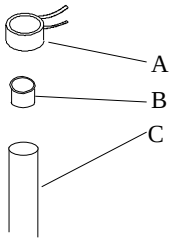
A. Electrical wiring plug

Connect wiring plug

8. Secure water valve to 2 predrilled holes in lower rail of refrigerator cabinet with two 3/8" long (10 mm) cutting screws and 1/4" hex nut driver.
9. Remove water fitting cap from inlet water fitting stem. Push stainless steel insert into open end of plastic tubing. Stainless steel insert must be flush with end of plastic tubing. Hold hose clamp open with pliers. Slide hose clamp over stem of water fitting. Push end of plastic tubing 5/8" (15 mm) into water fitting stem and release hose clamp. Confirm plastic tubing is secure by pulling on plastic tubing.

Bottom Freezer Models

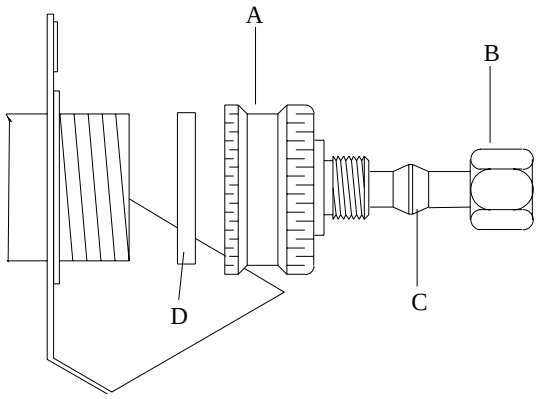
Cut 24" from end of plastic tubing and insert the stainless steel insert into plastic tube. Secure to water fitting as described above.



A. Hose clamp B. Stainless steel insert
C. Plastic tubing

Installing hose clamp

10. Remove tape from end of copper tubing. Put end of copper tubing into sink or bucket. Slightly turn on water supply to refrigerator. Water will be under considerable pressure. Allow water to run through copper tubing for 1 minute to flush out copper tubing. Turn off water supply to refrigerator when flushing is complete.
11. Slide nut and sleeve over end of copper tubing. Insert copper tubing completely into adapter fitting. Check adapter fitting to confirm hose washer is in place. Tighten adapter fitting nut by hand as much as possible. Carefully tighten an additional 1/2 turn with pliers. Firmly connect tubing nut on copper tubing to adapter fitting with an adjustable wrench. Confirm copper tubing is secure by pulling on copper tubing.

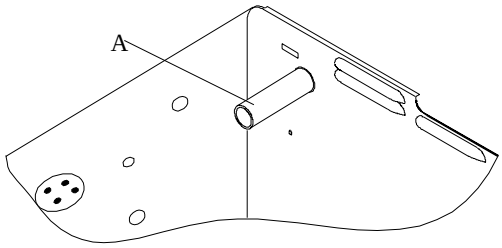


A. Adapter fitting nut B. Nut
C. Sleeve D. Washer

Connecting water line

12. Slightly turn on water supply to refrigerator and check for leaks. Turn off water supply to refrigerator and correct any leaks. Repeat this process until no leaks are found. Turn on water supply to refrigerator.
13. **Side-by-Side Models**
    Slide ice service rack in freezer toward front of freezer until screws are in middle of mounting holes. Gently pull ice service rack away from freezer. Remove screws from nylon grommets with a 1/4" hex nut driver. Insert plugs into screw holes.
14 Remove button plugs from side wall with a putty knife covered with masking tape. Remove electrical cap on side wall with a screwdriver. Discard plugs and electrical cap.
15. Pull off water cap on back wall. Slide water fill tube extension over water inlet tube on rear wall. Water fill tube extension must fit tightly and be even with hole in rear wall so water cannot leak into freezer.

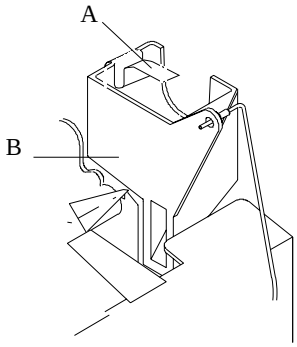
    Bottom Freezer Models
    Cut water fill tube extension to 3 3/4" long.



A. Water fill tube extension

Installing fill tube

16. Remove ice maker from shipping carton and discard packing material. Ice maker is shipped from factory with arm down. This is correct for ice production. Do not force arm down or up.
17. Slip stainless steel clip over rear wall of ice maker water cup.

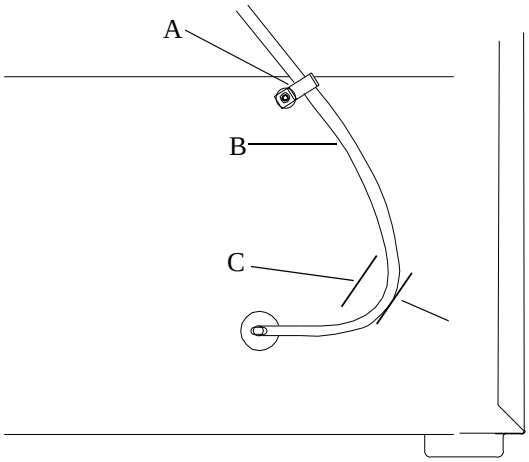


A. Stainless steel clip B. Water Cup

Stainless steel clip installation

18. Start two 5/8" (15 mm) sheet metal screws in top holes on side wall with a 1/4" hex nut driver. Leave heads out approximately 3/8" (9 mm). Hold ice maker in position. Insert wire harness plug into receptacle on side wall. Slip ice maker hanger over sheet metal screws. Ease water cup toward end of water fill tube extension. Water fill tube extension fits under stainless steel clip. Water fill tube extension must not be kinked. Water fill tube extension must extend approximately 3/8" into ice maker water cup and must be secured under stainless steel clip. Ice maker can only be installed one way. Don not drill additional holes.
19. Install remaining 5/8" (15 mm) sheet metal screw and tighten all 3 screws with a 1/4" hex nut driver.
20. Replace freezer shelf if necessary. Position ice storage bucket on freezer shelf under ice maker.

21. Check for leaks at household plumbing connection and water valve. Correct any leaks. Place lower cover on rear of refrigerator cabinet. Carefully tuck wires inside cover to avoid pinching wires. Insert and tighten screws with a 1/4" hex nut driver.
22. Create service loop using extreme care to avoid kinks. **Copper tube must not extend more than 3/8" from back cover**. **Secure copper tubing at back bottom horizontal cover using "P" clamp.**



A. "P" clamp B. Copper tubing
C. 3/8" (9 mm maximum)

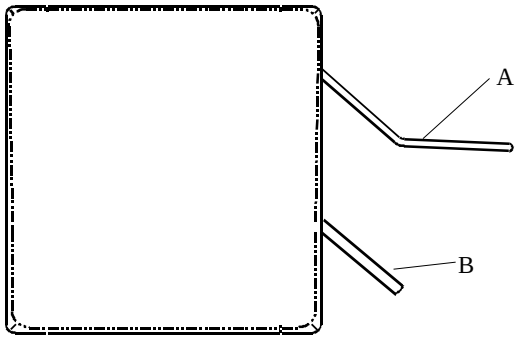
Make copper tubing

CAUTION

To avoid property damage, all covers must be in place.

23. Plug refrigerator into electrical outlet. Move refrigerator in place and level if necessary.
24. Check for water leaks 24 hours after installation.

- Confirm ice bucket is in place and ice maker arm is down.



A. Off position B. On position

Ice maker arm position

- After freezer section reaches normal temperature, ice maker fills with water and begins operating. Allow 24-48 hours after installation before first harvest of ice. Ice maker produces 7 to 9 harvests of ice in a 24-hour period under ideal conditions.
- After ice is formed, ice maker drops ice cubes into ice storage bucket. During ice production, ice maker arm raises and lowers. When ice storage bucket is full, ice maker arm turns ice maker off. Discard first 3 harvests of ice after initially connecting refrigerator to household water supply and after extended periods of nonuse.
- Stop ice production by lifting ice maker arm. A definite click is heard when position is reached. Ice maker arm will remain in *OFF* position until pushed down.

CAUTION

To avoid damage to ice maker, observe the following:
- Do not force ice maker arm down or up.
- Do not place or store anything on ice maker or in ice storage bucket.

Before Calling For Service

Give ice maker 1 overnight period to make ice before assuming a difficulty exists.

If ice maker is not producing ice

- Confirm ice maker arm is *on* position.
- Confirm household water supply is turned on.
- Confirm ice maker wiring harness is completely inserted into electrical receptacle.
- Check electrical connections to water valve coil.
- Check for kinks in copper or plastic tubing. Remove kinks or replace tubing.
- Confirm freezer is operating at proper temperature.

If ice maker is not producing enough ice

- Ice maker produces 7 to 9 harvests of ice in a 24-hour period under ideal conditions.
- See above section.

If ice maker makes unfamiliar sounds

- These may be normal. Refer to *"Normal Operating Sounds"* section in Owner's Manual.

Warranty

Ice Maker
Full One Year Warranty

First Year

Amana Appliances will repair or replace, free of charge, any part which is defective due to workmanship or materials.

Warranty Limitations

- Begins at date of original purchase.
- Applies to product used within the United States or in Canada if product has Canadian Standards Association listing when shipped from the factory.

Warranty Is Void If

- Product is used on a commercial, rental or leased basis.
- Product has defect or damage due to an accident, fire, flood, connection to an improper electrical or water supply, lightning, product alteration, shipping and handling, or other conditions beyond the control of Amana Appliances
- Service must be performed by an authorized Amana® technician.
- Product is improperly installed or used.

Owner's Responsibilities

- Provide proof of purchase (sales receipt).
- Provide normal care and maintenance. Replace owner replaceable items where directions appear in Owner's Manual and Installation Instructions.
- Make product reasonably accessible for service.
- Pay for premium service costs for service outside technician's normal business hours.
- Pay for service calls related to product installation or usage.

In no event shall Amana Appliances be liable for incidental or consequential damages*

*This warranty gives you specific legal rights and you may have others which vary from state to state. For example, some states do not allow the exclusion or limitation of incidental or consequential damages so this exclusion may not apply to you.

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