

Amana[®]

IC3 Top Freezer
Refrigerator
Ice Maker Kit
Installation and
Operating
Instructions

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

Introduction



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. 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 Refrigeration, Inc. 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.

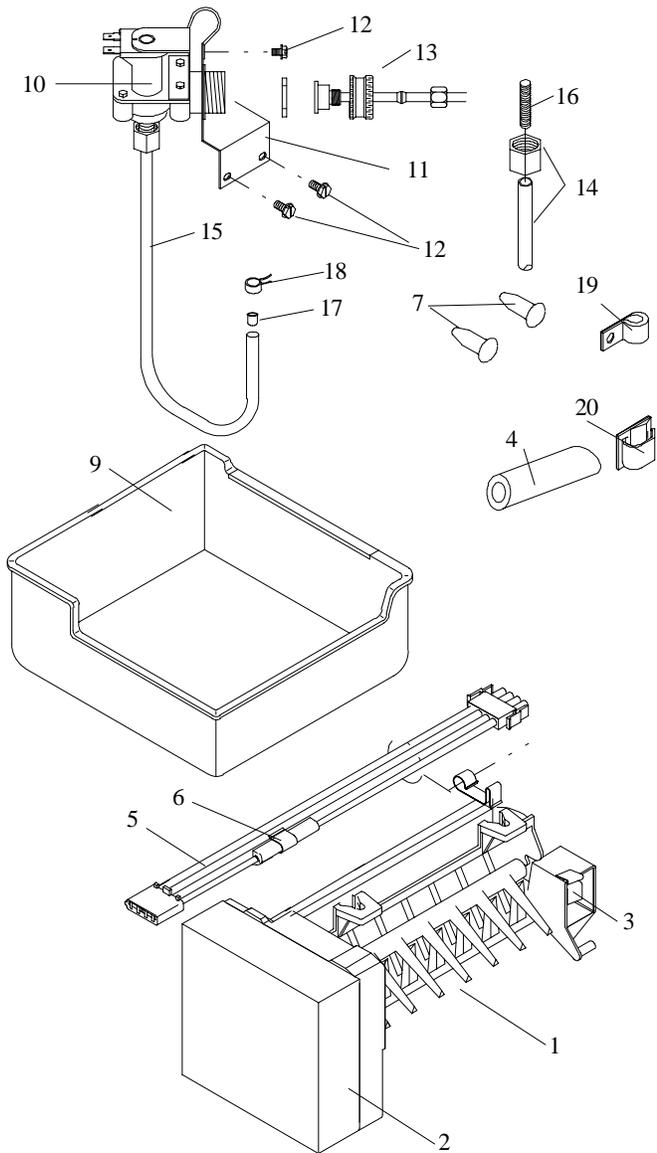
Tools Required

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

Parts

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

Item	Description	Part Number	Quantity
1	Ice Maker	D7824703	1
2	Ice maker cover	B5724506	1
N/S	Ice maker cover decorative trim (TM,TJ, TR, TX models)	C8963607	1
N/S	Ice maker cover decorative insert (TC models)	C8963615	1
N/S	Ice maker cover decorative insert (TL models)	C8963609	1
N/S	Ice maker cover decorative insert (Blue)	C8963610	1
N/S	Ice maker cover decorative insert (TZ models)	C8963614	1
N/S	Warning label	A3036901	1
N/S	Diagnostic label	10834701	1
N/S	Ice maker arm	10884401	1
3	Stainless steel clip	B5720301	1
4	Water fill tube extension	A3127401	1
5	Ice maker wiring harness	D7813004	1
6	Thermal fuse clip	10319801	1
7	Button plug	M0311301	2
9	Ice storage bucket	D7621116	2
N/S	Ice storage bucket decorative insert (TC models)	C8987005	1
N/S	Installation and operating instructions	10527026	1
N/S	Ice storage bucket decorative insert (TX models)	C8987002	1
N/S	Ice storage bucket decorative insert (TL models)	C8987003	1
N/S	Ice storage bucket decorative insert (Blue)	C8987004	1
N/S	Ice storage bucket decorative insert (TZ models)	C8987006	1
10	Water valve	D7712603	1
N/S	Water valve clip	A3223101	1
11	Water valve mounting bracket	D7701602	1
12	3/8" cutting screw	M0251015	3
13	Water valve coupling assembly	10244903	1
14	Nylon nut and sleeve	M0753001	1
15	1/4" plastic tubing	B5705308	1
16	Anti-kink spring	A1055101	1
17	Stainless steel insert	A3223101	1
18	Hose clamp	M0114003	1
19	"P" clamp	M0108001	11
20	Plastic clip	M0104101	1



Procedure

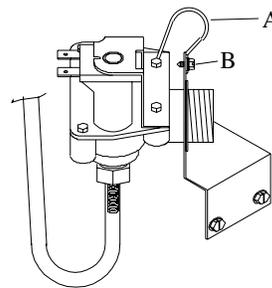
1. Turn off water supply to refrigerator.

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 $\frac{3}{8}$ " (10 mm) holes as required. Copper tubing route must be above 35°F (1°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 $\frac{3}{8}$ " (10 mm) cutting screw and a $\frac{1}{4}$ " (6 mm) hex nut driver.



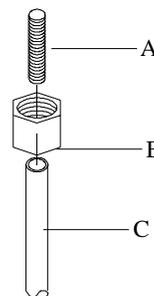
A. Ground wire B. $\frac{3}{8}$ "(10 mm) screw

Securing water valve mounting bracket

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 plastic nut. Insert large coil 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.

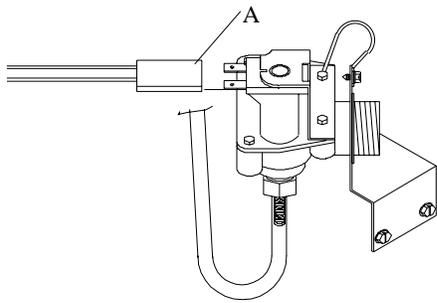


A. Large coil B. Plastic nut
C. Plastic tubing

Large Coil

6. Push end of plastic tubing with spring into bottom water valve fitting. Tighten nut with pliers.
7. Remove lower fiber board cover from rear of refrigerator cabinet by removing screws with a $\frac{1}{4}$ " hex nut driver.

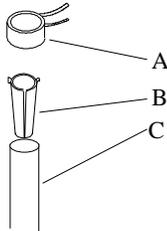
- Remove electrical wiring plug from retainer clamp on lower rail of refrigerator cabinet. Connect electrical wiring plug to water valve spade terminals. Non-polarized plugs connect to either terminal.



A. Electrical wiring plug

Wiring plug connection

- Secure water valve to 2 predrilled holes in lower rail of refrigerator cabinet with two $\frac{3}{8}$ " (10 mm) cutting screws and $\frac{1}{4}$ " hex nut driver. Keep plastic tubing at right side of water valve.
- Remove water fitting cap from 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 $\frac{5}{8}$ " (15 mm) into water fitting stem and release hose clamp. Confirm plastic tubing is secure by pulling on plastic tubing.



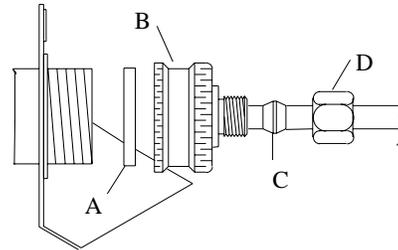
A. Hose clamp
C. Plastic tubing

B. Stainless steel insert

Installing stainless steel insert

- 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.

- 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 by hand as much as possible. Carefully tighten an additional $\frac{1}{2}$ 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.

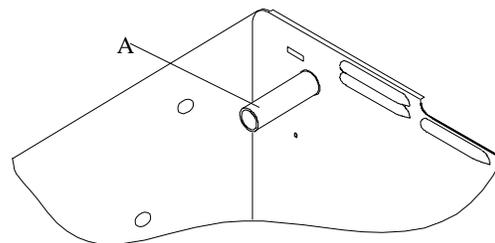


A. Hose washer
C. Sleeve

B. Adapter fitting
D. Nut

Attach adapter fitting

- 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.
- 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 ice rack screws using $\frac{1}{4}$ " hex nut driver. Insert plugs into screw holes. Remove freezer shelf.
- Remove screw and electrical and water connection cover plate on upper back wall with a $\frac{1}{4}$ " hex nut driver. Discard electrical and water connection cover plate and screw.
- Slide water fill tube extension over water inlet tube on rear wall. Water fill tube extension must fit tightly against hole in rear wall so water cannot leak into freezer.

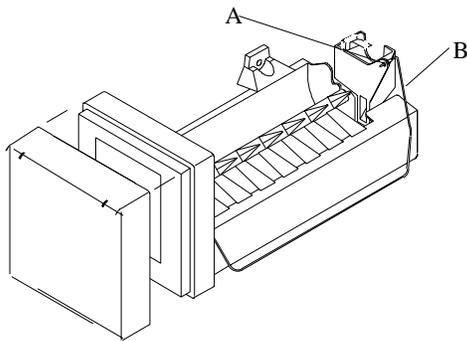


A. Water fill tube extension

Installing water fill tube extension

- Remove ice maker from shipping carton. Discard packing material.

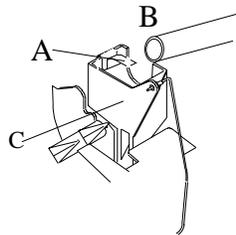
- Install straight end of ice maker arm in round hole in water cup. Insert other end in elongated hole only; not into round holes in ice maker housing. Ice maker arm must be even with ice maker surface.



A. Hole in water cup B. Ice maker arm

Installing ice maker arm

- Slip stainless steel clip over rear wall of ice maker water cup.
- Select ice maker cover decorative insert that resembles interior of refrigerator. Remove paper backing from ice maker cover decorative insert. Carefully position ice maker cover decorative insert on ice maker cover and press on.
- Remove and discard button plugs from side wall with a knife covered with masking tape.
- Start two $\frac{5}{8}$ " (15 mm) sheet metal screws in top holes on side wall with a $\frac{1}{4}$ " hex nut driver. Leave heads out approximately $\frac{3}{8}$ " (9 mm).
- Hold ice maker in position. Ice maker can only be installed one way. Do not drill additional holes. Insert wire harness plug into receptacle on rear wall until locking fingers on top and bottom of plug snaps into place. Slip ice maker hanger over sheet metal screws. Ease ice maker 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 $\frac{3}{8}$ " (9 mm) into ice maker water cup and must be secured under stainless steel clip.

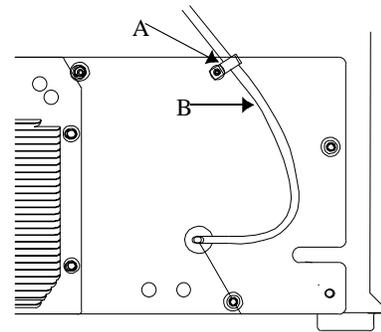


A. Water fill tube extension fits under stainless steel clip
B. Water fill tube extension C. Water cup

Fill tube extension into water cup

- Install remaining $\frac{5}{8}$ " (15 mm) sheet metal screw and tighten all 3 screws with a $\frac{1}{4}$ " hex nut driver.
- Select ice storage bucket decorative insert that resembles interior of refrigerator. Remove paper backing from ice storage bucket decorative insert. Carefully position ice storage decorative insert on ice storage bucket then press on.

- Replace freezer shelf. Position ice storage bucket on freezer shelf under ice maker.
- Check for leaks at household plumbing connection and water valve. Correct any leaks. Replace lower cover on rear of refrigerator cabinet by placing cover on refrigerator. Carefully tuck wires inside cover to avoid pinching wires. Insert and tighten screws with a $\frac{1}{4}$ " hex nut driver.
- Create service loop using extreme care to avoid kinks. **Copper tube must not extend more than $\frac{3}{8}$ " from back cover. Secure copper tubing at back bottom horizontal cover using "P" clamp.**



A. "P" clamp B. Copper tubing
securing copper tubing



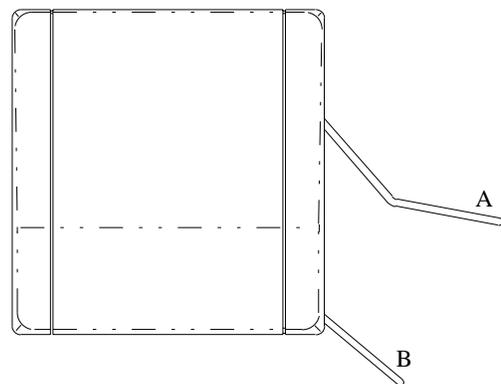
CAUTION

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

- Move refrigerator in place and level if necessary.

Operating Instructions

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



A. Off position B. On position

Ice maker installation

- 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 non-use.
- Stop ice production by lifting ice maker arm. A definite click is heard when proper position is reached. Ice maker arm will remain in that 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.

