

Amana[®]

IC53

International

Top Mount

Refrigerator

Ice Maker Kit

Installation and

Operating

Instructions

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Introduction

Recognize this symbol as a safety precaution.

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.
- Depending on installer's knowledge and skill, 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.

Tools Required

- 9.65 mm (3/8") Electric drill (ground fault protected)
- 9.65 mm (3/8") Drill bit
- 6.35 mm (1/4") Hex nut driver
- 12.7 mm (1/2") Open-end wrenches (2)
- Bucket
- Tight fitting gloves
- Putty knife
- Masking tape
- Pliers
- Screwdriver
- Slip joint pliers
- Towel

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 wrenches. Do not overtighten.
- Check carefully for water leaks prior to returning refrigerator to normal location and 24 hours after connection.

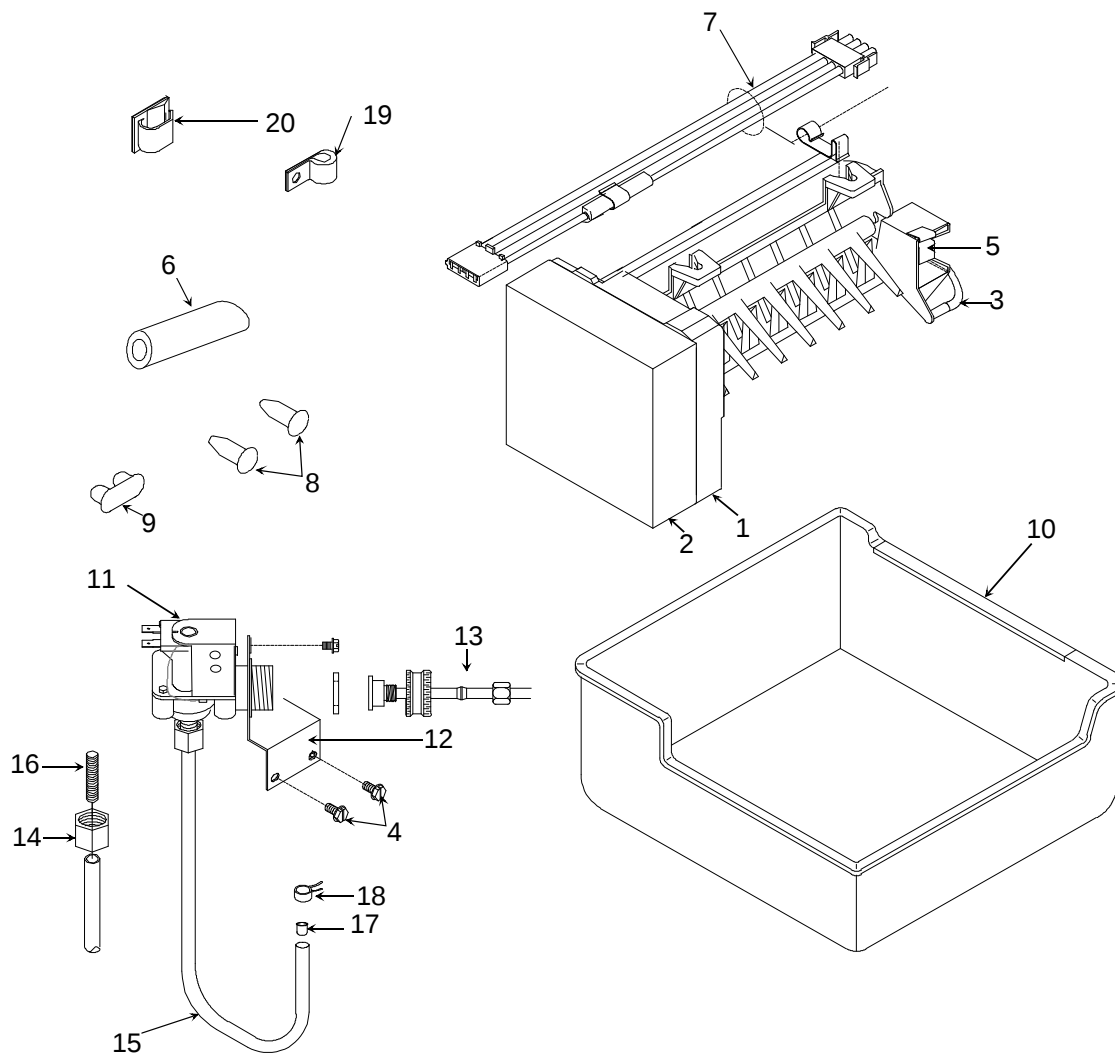
Materials Required

Important

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

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

*Length of copper tubing must reach from water supply connection plus an additional 3 m (9.8') for service loop behind refrigerator. Tubing should be soft instead of rigid and ends should be free of burrs.



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	D7846302	1
2	Ice maker cover	B5724506	1
N/S	Ice maker cover label	10285801	1
N/S	Warning label	A3036901	1
N/S	Water pressure label	B8361202	1
3	Ice maker arm	10884401	1
N/S	Ice maker shield	D7846203	1
4	9 mm (3/8") long cutting screw	M0251015	4
5	Stainless steel clip	B5720302	1
6	Water fill tube extension	A3127401	1
7	Ice maker wire harness	10179201	1
N/S	Ice maker power cable	C8949201	1
N/S	Thermal fuse clip (attached to ice maker)	10319801	2
N/S	15 mm (5/8") long sheet metal screw	M0211018	2
8	Button plug	M0311301	2
9	Oblong plug	A3124301	2
10	Ice storage bucket	D7621116	1
11	Water valve	D7847801	1
N/S	Water valve cable	10179101	1
12	Water valve mounting bracket	D7701602	1
13	Water valve adaptor assembly	10244902	1
14	Nylon nut and sleeve	M0753001	1
N/S	9 mm (3/8") long sheet metal screw	M0211016	3
15	6.35 mm (1/4") O.D. 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	1
20	Plastic clamp	M0104101	1
N/S	Plastic clip	M0104102	2
N/S	Installation instructions	10527016	1

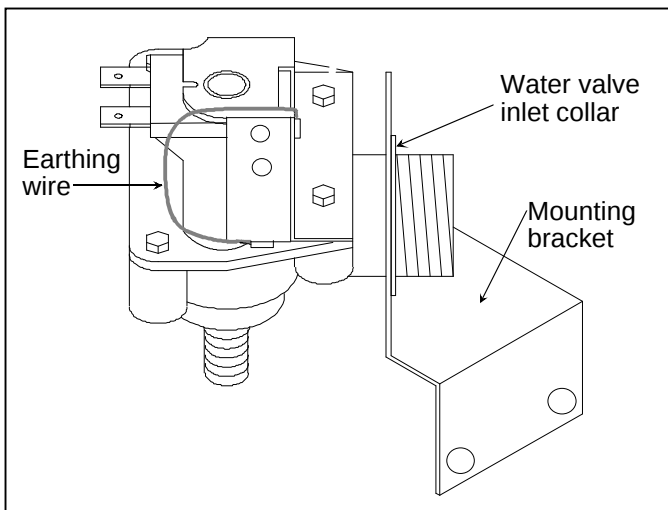
Installation Instructions

1. Turn off water supply to refrigerator.

CAUTION

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

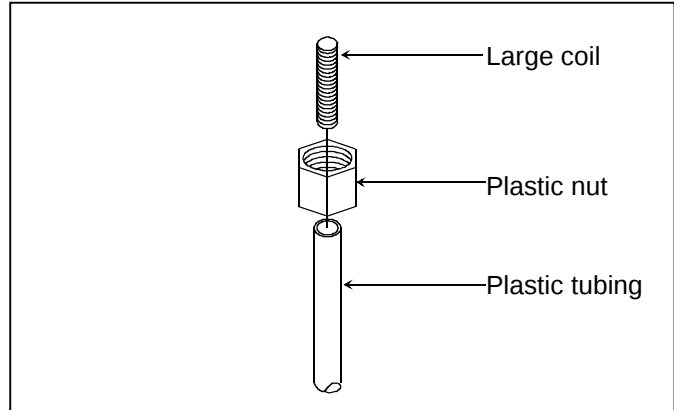
2. Move refrigerator away from wall.
3. Seal open end of copper tubing with tape to keep inside of tubing clean. Route copper tubing up to refrigerator through floor or interior wall behind refrigerator providing 9 mm (3/8") holes as required. Copper tubing route must be above 2°C (35°F) to prevent water line from freezing.
4. Secure water valve mounting bracket behind square collar on water valve inlet.



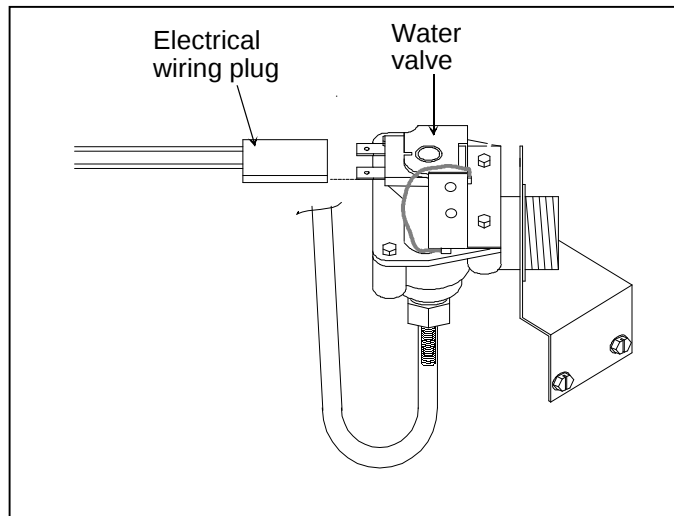
WARNING

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

5. Slide plastic tubing through nut. Insert 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.

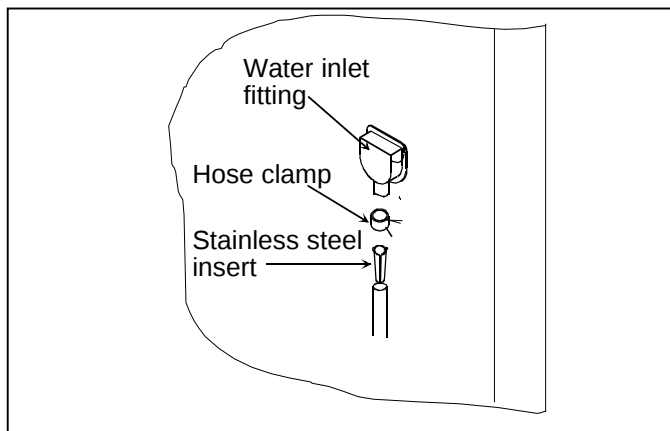


6. Push end of plastic tubing with spring into bottom water valve fitting. Tighten nut with a pliers.
7. Remove lower horizontal and top vertical covers on rear of refrigerator cabinet by removing screws with a 6.4 mm (1/4") hex nut driver.
8. Connect electrical wiring plug to water valve spade terminals. Connect earthing wires to water valve and water valve bracket.

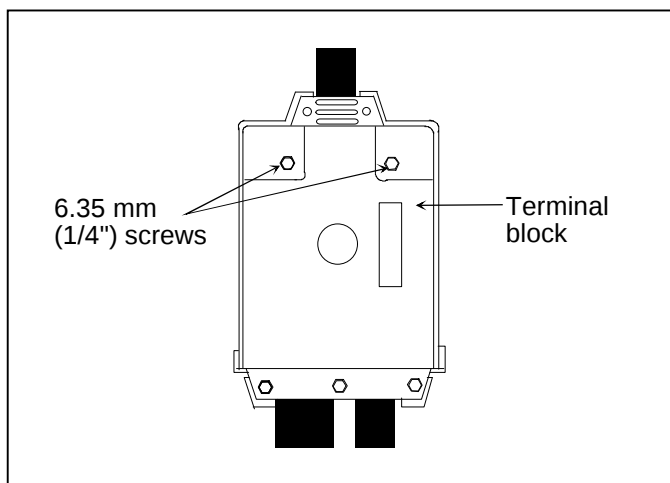


9. Secure water valve to two predrilled holes in lower rail of refrigerator cabinet with two 9 mm long cutting screws and 6.4 mm (1/4") hex nut driver.
10. Remove cap from bottom of water inlet fitting located on back upper right corner of cabinet.

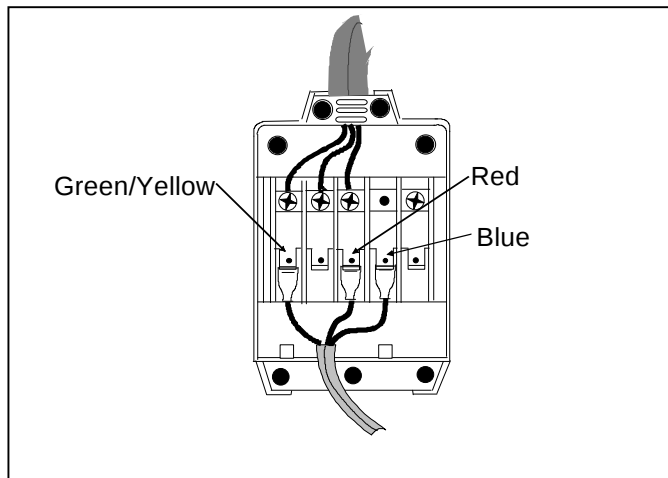
11. Push stainless steel insert into open end of plastic tubing. Stainless steel insert must be flush with end of plastic tubing. Hold hose clamp open with pliers and slide hose clamp over stem of water fitting. Push end of plastic tubing 15 mm (5/8") into water fitting stem and release hose clamp. Confirm plastic tubing is secure by pulling on plastic tubing.



12. Remove top two terminal cover screws using 6.35 mm (1/4") hex socket and driver. Pull terminal cover upwards and remove. Terminal is located on back of refrigerator near lower left corner.

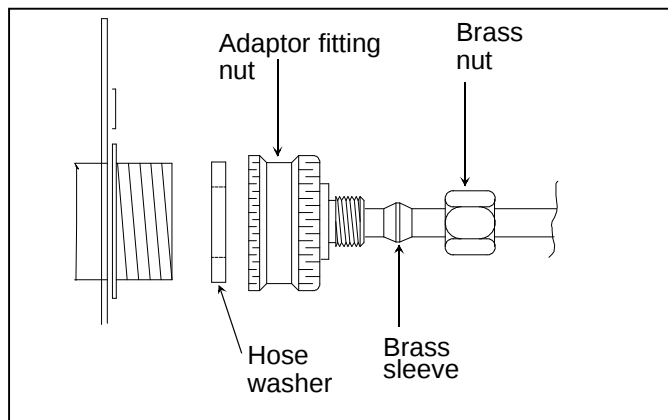


13. Connect three terminals of water valve electrical cable to terminal block: green/yellow to ground, blue to neutral, and red to power. Remove bottom screws that hold cable restraint. Reinstall terminal cover by reversing procedure in step 18.



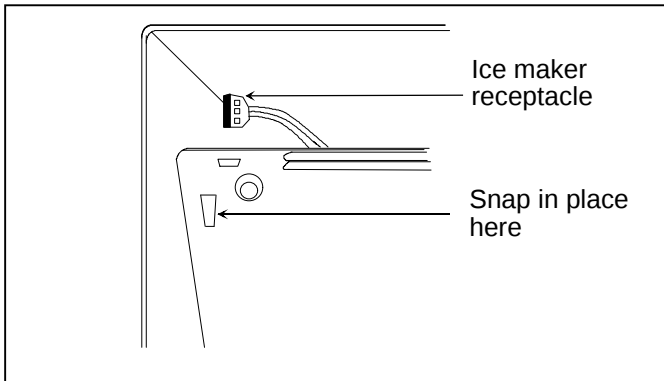
14. Remove tape from copper tubing. Put other end of copper tubing into sink or bucket. Open saddle valve slightly. Water will be under considerable pressure. Allow water to run through copper tubing for 1 minute to flush out saddle valve and copper tubing. Turn off saddle valve when flushing is complete.

15. Slide brass nut and sleeve over end of copper tubing. Insert copper tubing completely into adapter fitting. Confirm hose washer is in place by checking fitting. Tighten adapter fitting nut by hand as much as possible. Carefully tighten an additional 1/3 turn with pliers. Tighten brass nut on copper tubing to adapter fitting with 2 wrenches. Confirm copper tubing is secure by pulling on copper tubing.



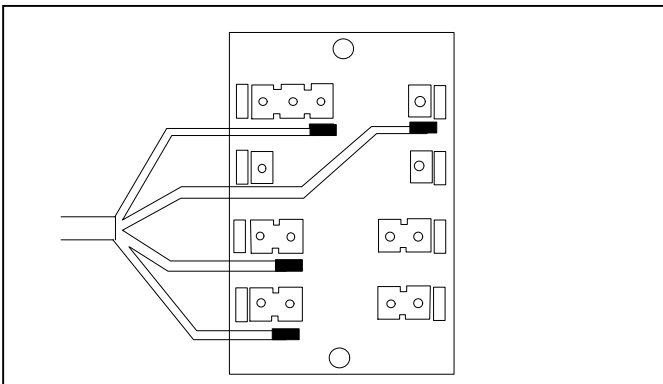
16. Open saddle valve 1 turn counterclockwise and check for leaks. If water leaks, turn off water valve and correct leaks. Repeat this process until no leaks are found, then completely open saddle valve.

17. 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 with 6.4 mm (1/4") hex nut driver. Insert plugs into screw holes.
18. Remove freezer shelf.
19. Remove button plugs from side wall with a putty knife covered with masking tape. Discard button plugs.
20. Remove back panel screws and button plug.
21. Remove ice maker from shipping carton. Discard packing material.
22. **Models with Four Wire Connector Behind Back Wall**
Insert ice maker receptacle into opening in back wall. Snap ice maker receptacle in place. Discard four wire connectors. Reinstall back wall by reversing procedure in step 20.



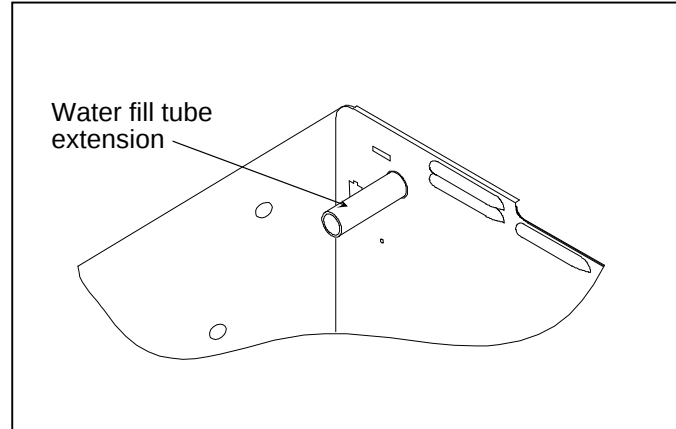
Models without Four-Wire Connector Behind Back Wall

Attach 6.35 mm (1/4") terminals to terminal board. Insert ice maker receptacle into opening in back wall. Snap ice maker receptacle in place. Discard four wire connectors. Reinstall back wall by reversing procedure in step 20.

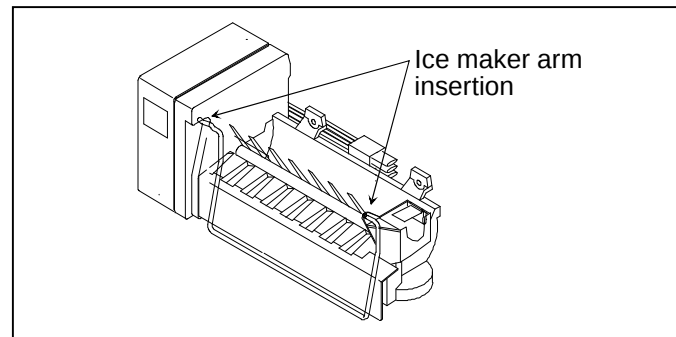


23. Top Freezer Models

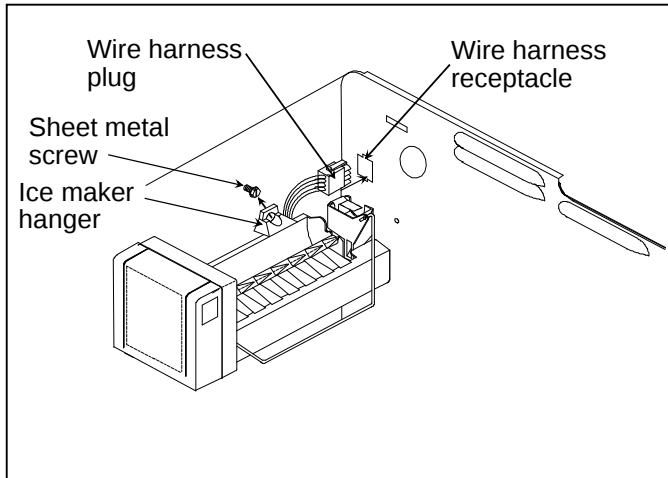
Slide water fill tube extension over water inlet tube on rear wall. Water fill tube extension must fit tightly and be even with hole in rear wall so water cannot leak into freezer.



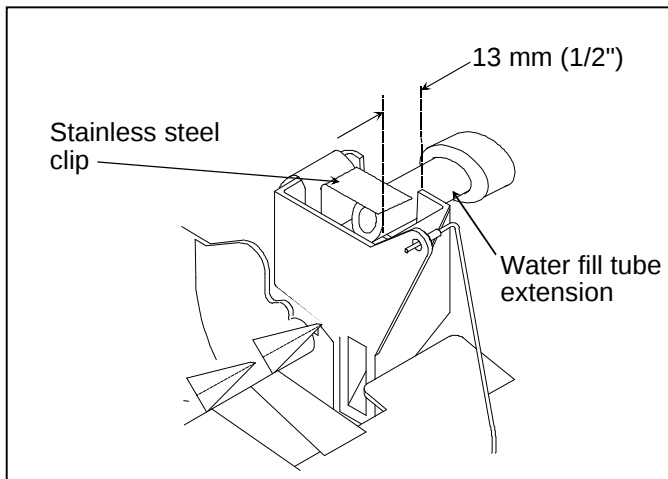
24. Remove ice maker from shipping carton and discard packing material.
25. Install straight end of ice maker arm in round hole in water cup. Insert other end in elongated hole only; not into round holes in black ice maker housing. Ice maker arm must be even with ice maker surface.



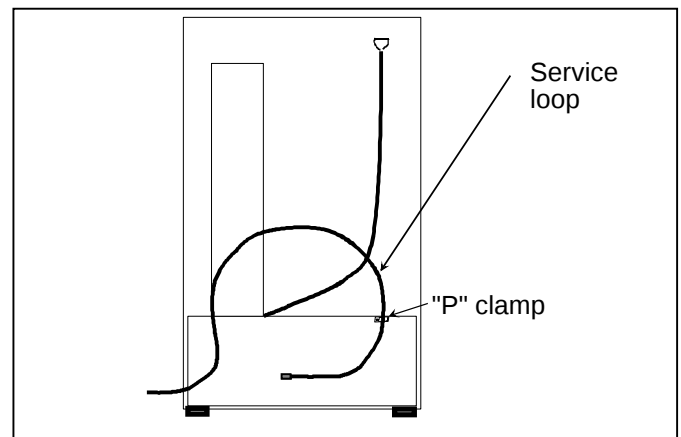
26. Hold ice maker in position. Insert wire harness plug into receptacle on rear wall. Ice maker can only be installed one way. Do not drill additional holes. Secure ice maker with two 15 mm long sheet metal screws and a 6.35 mm (1/4") hex nut driver.



27. Push down on water fill tube extension until water fill tube extension fits securely into "U" opening. Place free end of water fill tube extension under stainless steel clip. Water fill tube extension must extend 13 mm (1/2") into "U" opening without kinking.



28. Replace freezer shelf. Position ice storage bucket on freezer shelf under ice maker. Slide freezer shelf on ice storage bucket.
29. Check for leaks at water valve and saddle valve. Correct any leaks. Carefully tuck wires inside cover to avoid pinching wires. Replace lower back and top vertical cover by placing cover on refrigerator cabinet. Insert and tighten screws with a 6.4 mm (1/4") hex nut driver.
30. Create service loop with copper tubing using extreme care to avoid kinks. **Secure copper tubing at back horizontal cover using "P" clamp. Copper tubing must not extend 9 mm (3/8") beyond back.**



CAUTION

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

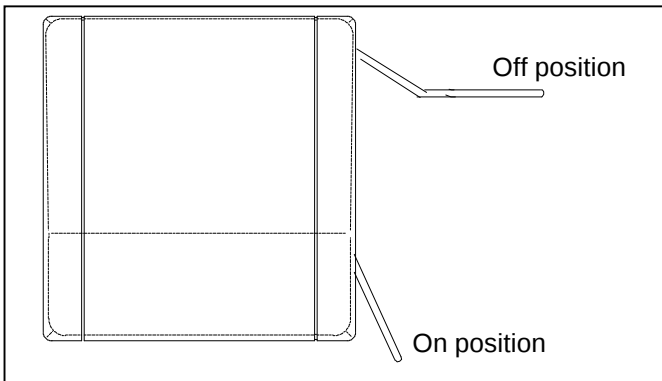
31. Move refrigerator in place and level if necessary.

CAUTION

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

Operating Instructions

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



- 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 6 to 7 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

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

If ice maker is not producing ice

- Check electrical connections to water valve coil and connector block on refrigerator cabinet.
- Confirm freezer is operating at proper temperature.
- Confirm ice maker arm is down.
- Confirm household water supply is reaching water valve.
- Confirm ice maker wiring harness is completely inserted into proper electrical contacts.
- Check for kinks in copper or plastic tubing. Remove kinks or replace tubing.

If ice maker is not producing enough ice

- Ice maker produces 6 to 7 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 Limited One Year Warranty

First Year

Manufacturer will provide a free replacement part, f.o.b. Amana, Iowa, U.S.A., for any part which is defective due to workmanship or materials.

Warranty Limitations

- Begins at date of original purchase.
- Service must be performed by an authorized Amana® technician.

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.
- 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 be liable for incidental or consequential damages

