Amana®

IC56 International Top Freezer Refrigerator Ice Maker Kit Installation and Operating Instructions

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

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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.
- 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 authorized technician by calling the source from whom you purchased the kit.

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 9 kg (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.

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)
- Adjustable wrench
- Flat blade screwdriver
- Slip joint pliers
- Utility knife
- Masking tape
- Bucket
- Towel
- Tight fitting gloves

Materials Required

Important

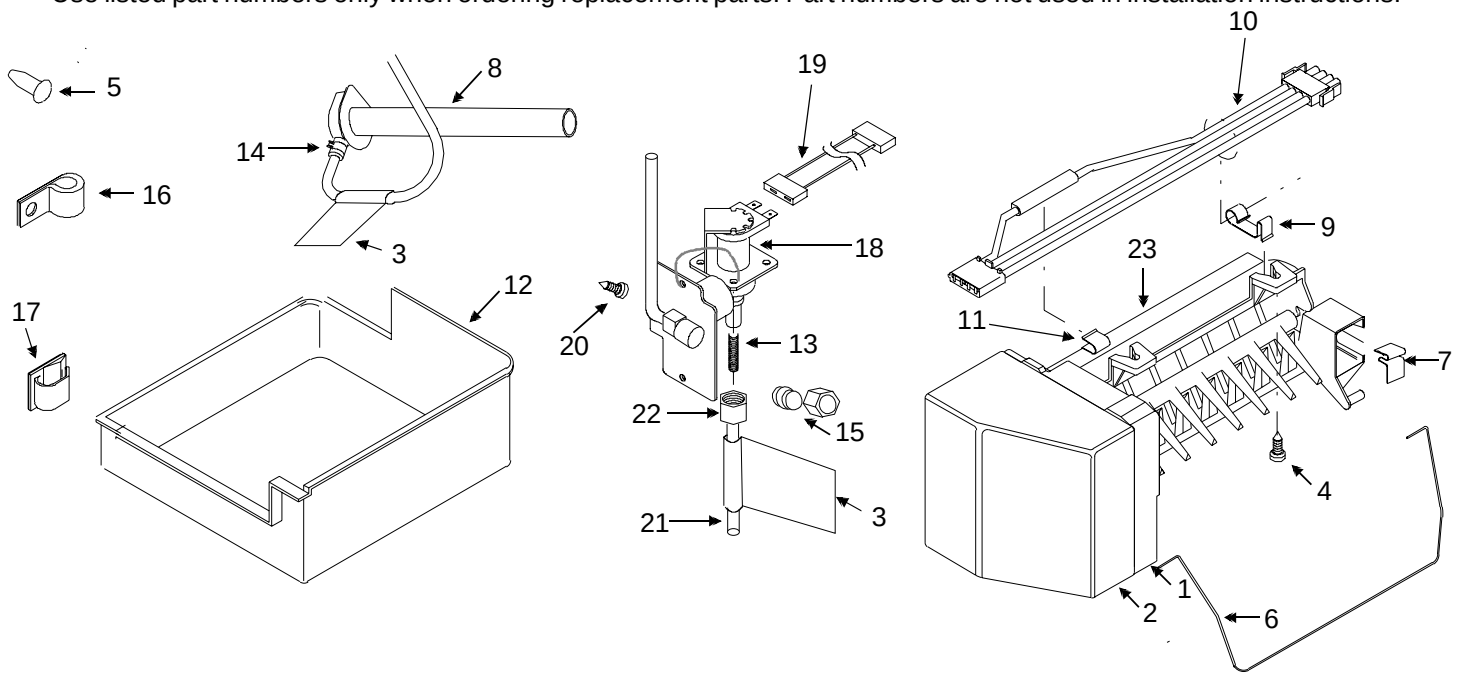
- Before connecting ice maker, contact a plumber to connect copper tubing to household plumbing in compliance with local codes and ordinances.
- Amana is not responsible for property damage due to improper installation or water connection.

6 mm ($^1/_4$") flexible copper tubing*.

*Length of copper tubing must reach from water supply connection plus an additional 2.5 m (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	Item	Description	Part number	Quantity
1	Ice maker	D7846305	1	13	Anti-kink spring (inside 6.35 mm O.D. plastic tube)	A1055101	1
2	Ice maker cover	10519801	1	N/S	Stainless steel insert	A3223101	1
N/S	Warning label (attached to side of ice maker)	A3036901	1	14	Hose clamp	M0114003	1
N/S	Diagnostic label (inside ice maker cover)	10994901	1	15	Compression nut and sleeve	10244905	1
3	Label (attached to both ends of plastic tube)	10549601	2	16	“P” clamp	M0108105	2
4	16 mm (5/8") long sheet metal screws (to secure ice maker)	M0211018	3	17	Plastic clip	M0104106	1
5	Button plug	M0311301	3	18	Water valve	10524607	1
6	Ice maker arm	10884401	1	19	Water valve wire harness	10525901	1
7	Stainless steel clip	B5720302	1	20	9.65 mm (3/8") long metal screw	M0251015	1
8	Water fill tube elbow	10463201	1	21	6.35 mm (¼") plastic tubing	B5705308	1
9	Ice maker wire harness clamp	10526701	1	22	Nylon nut and sleeve	M0753001	1
10	Ice maker wire harness	10179201	1	N/S	Installation Instructions	10527032	1
11	Thermal fuse clip (attached to ice maker)	10319801	1	23	Ice maker shield	D7846203	1
12	Ice storage bucket	10476201	1	N/S	12.7 mm (½") sheet metal screw	M0211017	2

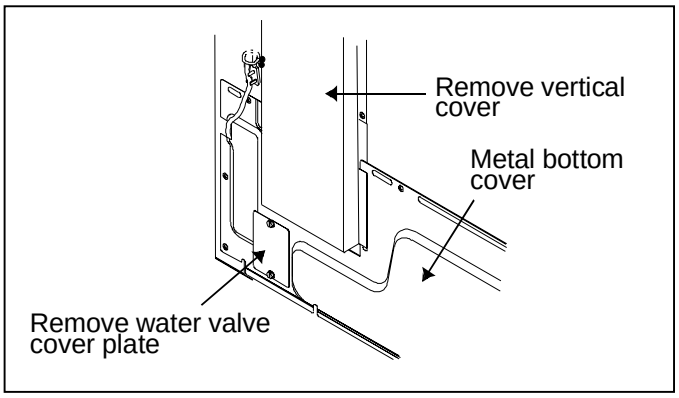
Procedure

1. Turn off water supply to refrigerator.

CAUTION

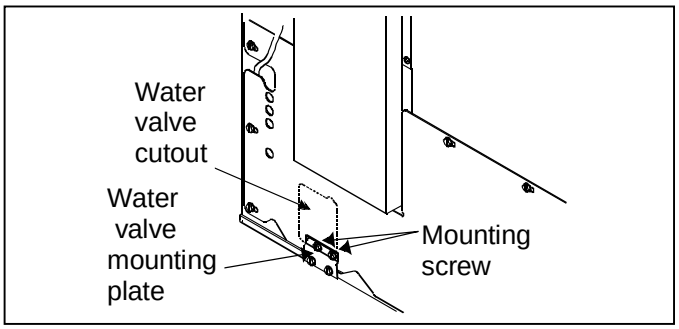
To avoid property damage, protect soft vinyl or other flooring by adjusting leveling legs up, off of floor before moving refrigerator.

2. Move refrigerator away from wall.
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 9.65 mm (3/8") holes as required. Copper tubing route must be above 2°C (35°F) to prevent water line from freezing.
4. Remove vertical cover. Remove and retain lower vertical cover screws and bottom 2 upper vertical cover screws on refrigerator cabinet using 6.35 mm (1/4") hex socket and driver. Remove lower vertical cover. Retain cover.
5. Remove water valve cover plate. Remove and retain screws from water valve cover plate using 6.35 mm (1/4") hex socket and driver. Remove and discard water valve cover plate.



Refrigerators with plastic back covers

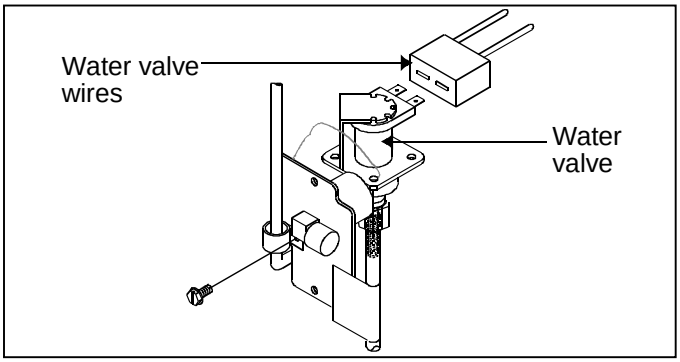
Remove 2 upper mounting screws using 1/4" hex nut driver. Create water valve opening by cutting along perforations and removing cutout. Secure water valve to mounting plate using 2 original upper mounting screws.



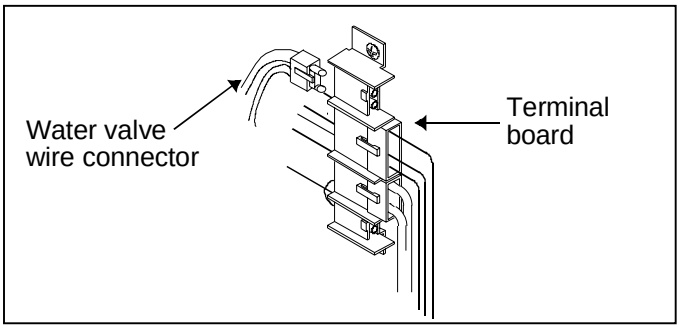
WARNING

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

6. Connect water valve wires to water valve. Route water valve wires through rectangular opening. Do not bend existing opening.



7. Plug wire connector into terminal board. Plug water valve wire connector into terminal board at points on top left position, marked *1* and *2* across from *A* and *B* stamped on terminal board. Locking finger must snap in place to secure connection.

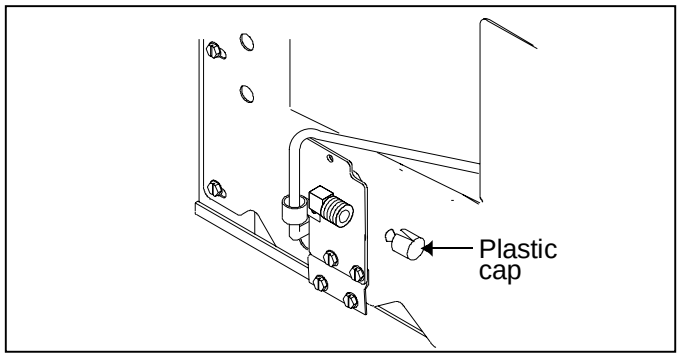


Important

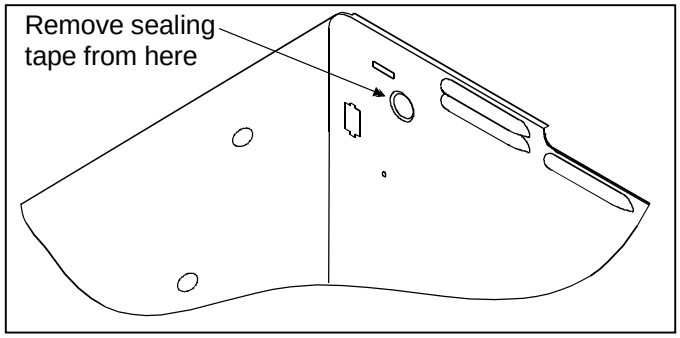
Water valve wire connection can be installed one way. Terminal board fin prevents improper connector installation. Do not remove terminal fin.

8. Secure water valve to horizontal bottom cover of refrigerator. Reinstall original water valve screws using 6.35 mm (1/4") hex nut driver to electrically ground water valve.
9. Remove tape from end of copper tubing. Put end of copper tubing into sink or bucket. Partially 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.

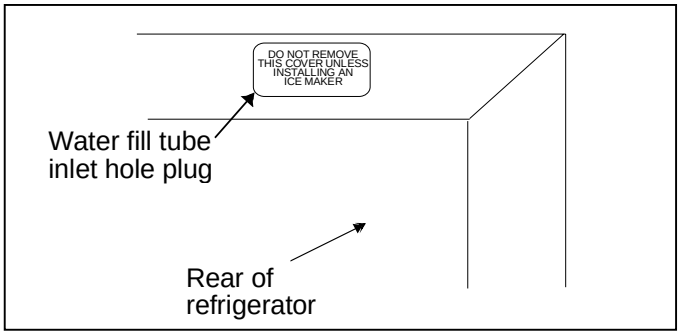
10. Remove plastic cap from water valve tube fitting. Connect copper tubing service loop to water valve with nut and sleeve.



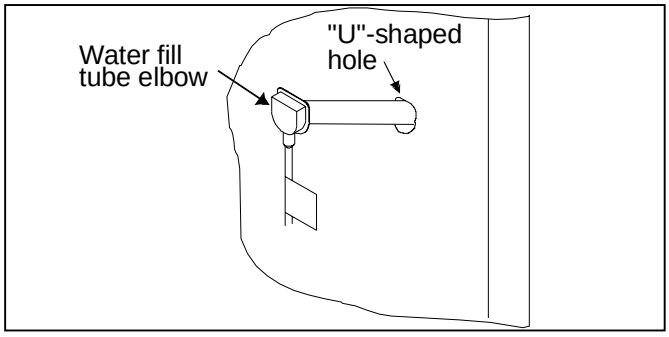
11. Insert copper tubing completely into water valve inlet port. Start nut by hand to prevent cross threading. Firmly connect brass nut on copper tubing to water valve inlet port fitting using two 12.7 mm (1/2") open end wrenches. Confirm copper tubing is secure by pulling on copper tubing. Do not overtighten.
12. Partially turn on water supply to refrigerator and check for leaks. If leaks are found turn off water supply to refrigerator and correct any leaks. Repeat this process until no leaks are found, then completely turn on water supply to refrigerator.
13. Gently pull ice service rack out of freezer (some models). Remove screws using a 6.35 mm (1/4") hex nut driver. Insert provided plugs into screw holes.
14. Remove electrical and water connection cover using 6.35 mm (1/4") hex nut driver to remove screw then rotate cover upward to remove. Electrical and water connection cover is located in top left corner of rear freezer wall. Remove sealing tape from water inlet tube hole located on interior back freezer wall with utility knife.



15. Remove water tube inlet hole plug on rear of refrigerator cabinet using a flat blade screwdriver with masking tape covering blade.



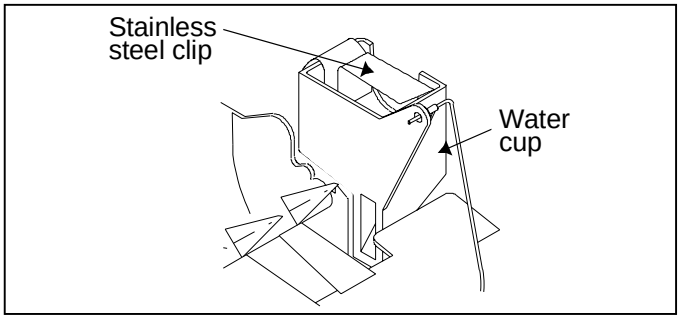
16. Cover end of water fill tube elbow with masking tape to prevent insulation beads from entering water fill tube elbow. Push water fill tube elbow through "U"-shaped hole.



17. Pull water fill tube elbow through hole in freezer. Push gently on water fill tube elbow while twisting elbow slightly until elbow is firmly seated inside "U"–shaped hole in back of refrigerator. **Remove masking tape from end of water fill tube elbow.**
18. Remove ice maker from shipping carton and discard packing material.

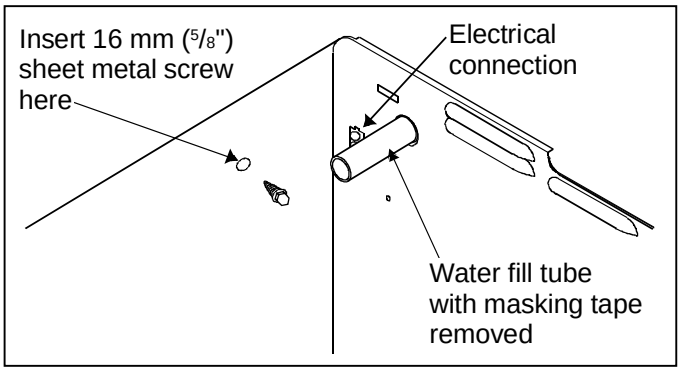
    Important

    Ice maker is shipped with arm down. This is correct position for ice production. Do not force arm up or down.
19. Slip stainless steel clip over rear wall of ice maker water cup.

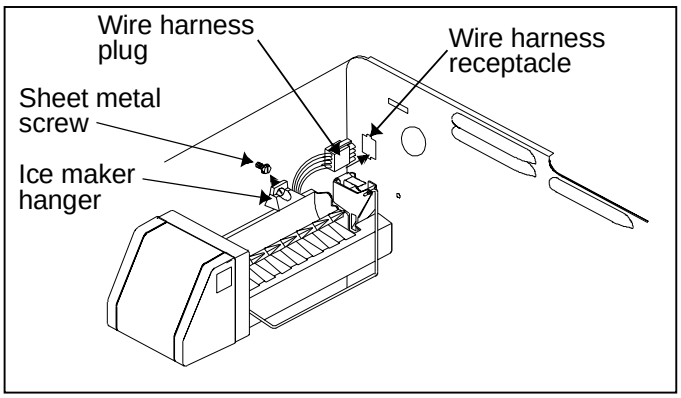


20. Remove and discard 3 button plugs from left freezer wall using flat blade screwdriver with blade covered with masking tape.

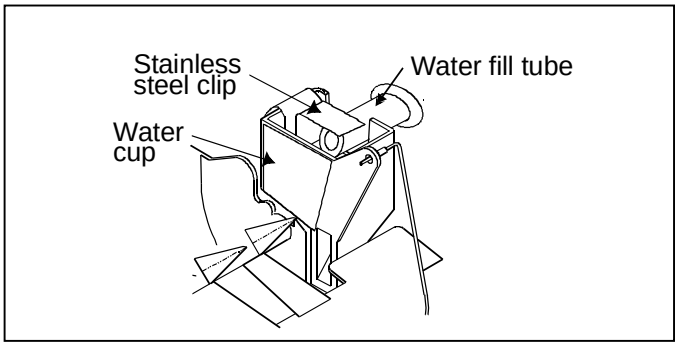
21. Start 16 mm (5/8") long sheet metal screw in top front hole using 6.35 mm (1/4") hex socket and driver. Leave head out approximately 9.65 mm (3/8").



22. Hold ice maker in position. Verify two outside electrical flats line up with flats in receptacle on freezer back wall. Insert wire harness plug into receptacle on rear wall **until locking fingers on plug snap into place**. Slip ice maker hanger over sheet metal screw.
    - Locking fingers on plug must be positioned vertically to mate with wire harness receptacle.

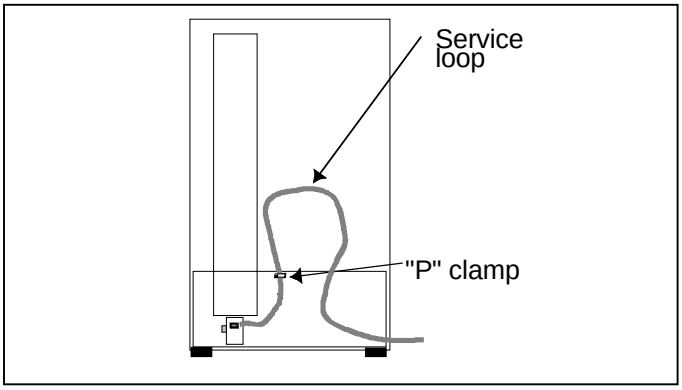


23. Ease ice maker water cup toward end of water fill tube. Water fill tube fits under stainless steel clip. Water fill tube must not be kinked. Water fill tube elbow should extend approximately 9.65 mm (3/8") into ice maker water cup and must be secured under stainless steel clip.



Important
Ice maker can be installed one way only. Do not drill additional holes.

24. Install two remaining 16 mm (5/8") long sheet metal screws to secure ice maker. Tighten all 3 screws Using 6.35 mm (1/4") hex socket and driver.
25. Reinstall freezer shelf.
26. Position ice storage bucket on freezer shelf under ice maker. Check for leaks at household water connection and water valve. Correct any leaks. Carefully tuck wires inside cover to avoid pinching wires. Reinstall lower vertical cover on rear of refrigerator cabinet by reversing procedure 4.
27. Create service loop (approximately 2.4 m or 8") using extreme care to avoid kinks. **Secure copper tubing at back bottom horizontal cover using "P"-clamp, provided.**



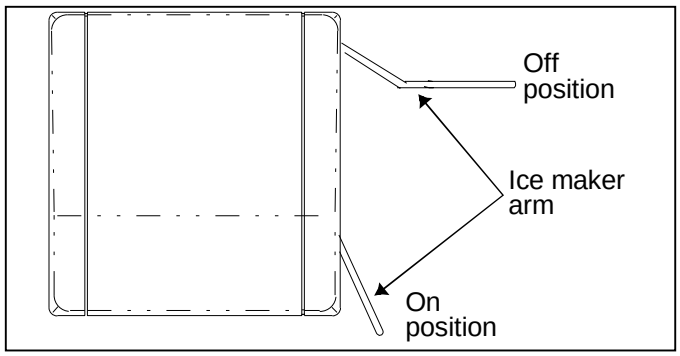
⚠ CAUTION

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

28. Plug in refrigerator and move refrigerator in place. Level if necessary.
29. Check for water leaks 24 hours after installation.

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 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 *off* position is reached. Ice maker arm will remain in *off* position until ice maker arm is 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
- Confirm ice maker arm is down.
- Confirm household water supply is reaching water valve.
- 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
Limited One Year Warranty

First Year

Amana Appliances 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 customer education.

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

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