

# Refrigerator

## Installation manual

RT18M\*/RT21M\*

Free Standing Appliance

**SAMSUNG**



# Contents

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# Safety information

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## Important safety symbols and precautions:

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### **WARNING**

Hazards or unsafe practices that may result in severe personal injury or death.

### **CAUTION**

Hazards or unsafe practices that may result in minor personal injury or property damage.

These warning signs are here to prevent injury to you and others.

Please follow them carefully.

After reading this section, keep it in a safe place for future reference.

## State of California Proposition 65 Warning (US only)

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**WARNING** : This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## Severe warning signs for transportation and site

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### **WARNING**

- When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.
  - Refrigerant leaking from the pipe work could ignite or cause an eye injury. If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.
  - This appliance contains a small amount of isobutane refrigerant (R-600a), a natural gas with high environmental compatibility that is, however, also combustible. When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.

# Installation

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## Connect the water line

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Connect the water line to the ice maker. For the ice maker to operate properly, a water pressure of 20-125 psi is required. After you have connected the water line, make sure the water storage tank inside the refrigerator is properly filled.

### CAUTION

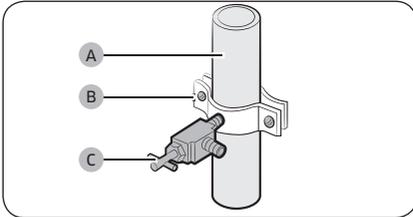
Do not reuse an old hose set. Use the new hose sets supplied with your refrigerator only.

- The water line installation is not covered by the Warranty of this product. Read carefully through these instructions to protect your property and prevent possible damage.
- Banging pipes (water banging in the pipes) can cause damage to the refrigerator, and lead to water leakage or flooding. If you encounter this problem, contact a plumber for professional assistance.
- To prevent burns and product damage, do not connect the water line to a hot water source.
- Do not install the water line in areas where temperatures fall below the freezing point.
- When using any electrical device (such as a motorized drill) during installation, be sure the device is insulated and properly grounded to prevent electric shock.
- All installations must be in accordance with local plumbing code requirements.
- The water filter must be replaced as instructed by the manufacturer or the retailer.
- To purchase additional water filters, contact the manufacturer or the retailer of the filter.

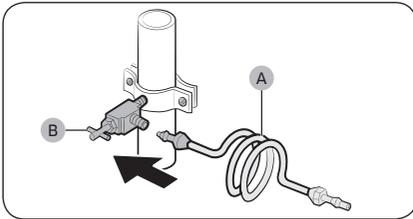
### NOTE

- You can purchase the water line installation kit from your retailer. We recommend using a kit that contains copper tubing and a 6 mm (1/4") compression nut.
- In an area with low water pressure (below 20 psi), you can install a booster pump to compensate for the low pressure.

## To assemble the water line installation kit



1. Shut off the main water source.
2. Insert the pipe clamp (B) and the shut-off valve (C) into the cold water line (A).



3. Connect the water line installation kit (A) to the shut-off valve (B).

## To connect the water line to the refrigerator

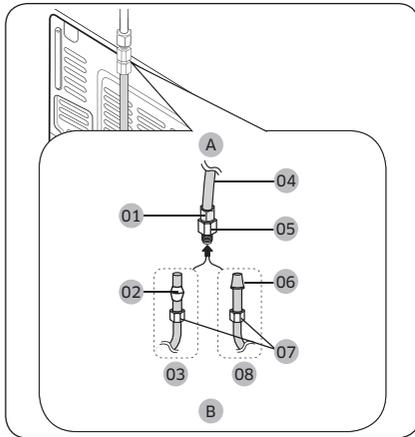
### **WARNING**

Make sure to connect the water line only to a potable water source.

There are several items you must purchase to complete this connection. You may find these items sold as a kit at your local hardware store.

Copper Tubing	<ul style="list-style-type: none"><li>• 1/4" copper tubing</li><li>• 1/4" compression nut (1 pc)</li><li>• Ferrule (2 pc)</li></ul>
Plastic Tubing	<ul style="list-style-type: none"><li>• 1/4" plastic tubing → Molded end (Bulb)</li><li>• 1/4" compression nut (1 pc)</li></ul>

# Installation



- A. Refrigerator
- B. Household water supply line
- 01 Compression nut ( $\frac{1}{4}$ " (Not supplied)
- 02 Ferrule (Not supplied)
- 03 Copper tubing (Not supplied)
- 04 Plastic tubing (Assembled)
- 05 Compression fitting (Not supplied)
- 06 Molded end (Bulb)
- 07 Compression nut (B) ( $\frac{1}{4}$ " (Not supplied)
- 08 Plastic tubing (A) (Not supplied)

1. Connect the household water line to the assembled compression fitting.
  - If you are using copper tubing, slip the **compression nut (B)** (not supplied) and **ferrule** (not supplied) on the copper tubing (not supplied) as shown.
  - If you are using plastic tubing (A), insert the molded end (Bulb) of the plastic tubing (A) into the compression fitting.

## CAUTION

If you use plastic tubing, (A) do not use it without the molded end (Bulb).

2. Tighten the **compression nut (B)** onto the **compression fitting**. Do not over-tighten the **compression nut (B)**.
3. Turn the water on and check for any leakage. If you find water drops or leakage in the connection areas, turn off the main water supply. Check the connections and, if necessary, tighten.
4. After you turn on the refrigerator, let the ice maker makes ice for 1 to 2 days. Over that period of time, throw out the first 1 or 2 buckets of ice the ice maker makes to ensure all impurities have been removed from the water line.

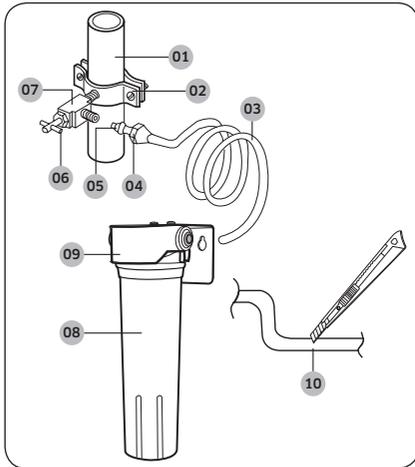
## NOTE

If you have to repair or disassemble the water line, cut off  $\frac{1}{4}$ " of the plastic tubing to make sure you get a snug, leak-free connection.

## Installing a Water Filter

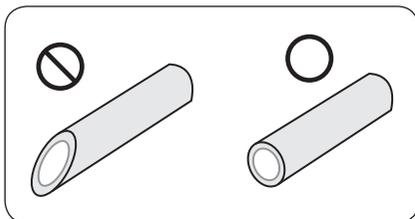
The water filter and the water filter installation kit containing necessary parts illustrated in this section are not provided. You must purchase the water filter and the water filter installation kit at a local Samsung service center.

To connect to the water supply line



- 01 Cold water line
- 02 Pipe clamp
- 03 Plastic line
- 04 Compression nut
- 05 Compression sleeve
- 06 Packing nut
- 07 Shut off valve
- 08 Filter cartridge
- 09 Cartridge holder
- 10 Cut vertically by 90 degrees

1. Shut off the main water line and turn the ice maker off.
2. Locate the nearest cold potable water line.
3. Follow the instructions mentioned in the water filter installation kit.
4. After connecting the water line to the inlet of the cartridge holder with the plastic line fully inserted, insert and tighten the filter cartridge.
5. Turn on the water line and flush 11 liters of water (approximately 6 minutes) through the filter before use.

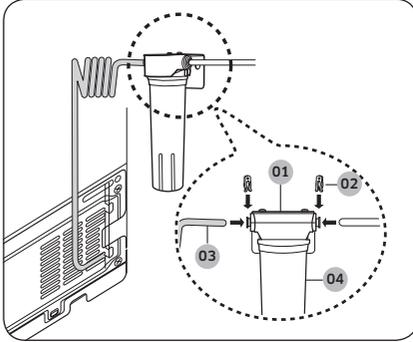


### ⚠ CAUTION

- The water line must be connected outside of the refrigerator.
- Do not use copper lines.
- If cutting the tubing for resizing, make sure the ends of the tubing are vertically clean cut.

# Installation

To connect the water line to the refrigerator



- 01 Cartridge holder
- 02 Plastic clip
- 03 Plastic line
- 04 Filter cartridge

1. Connect the plastic line from the rear of the refrigerator to the outlet of the cartridge holder until the plastic line is fully inserted.
2. Clamp both ends of the cartridge holder using the plastic clips.
3. Turn the water line on and check for leaks.

## CAUTION

- Use only potable water.
- The filter cartridge is not provided. You must purchase it at a local Samsung service center.
- When moving the refrigerator for line connection, use caution so that you don't step on the power cord or water line (for the ice maker).

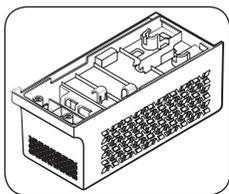
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## Install the Auto Ice Maker

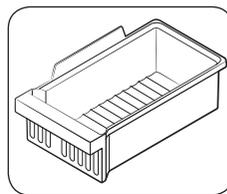
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To purchase a new auto ice maker (part type : RA-TIMO63PP/AA), visit the Samsung website ([www.samsung.com](http://www.samsung.com)) or contact your retailer.

### Ice maker kit

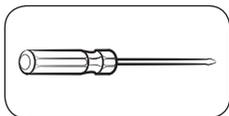


Ice maker



Ice bucket

### Tools required (not provided)



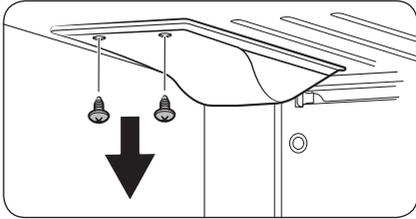
Phillips screwdriver

# Installation

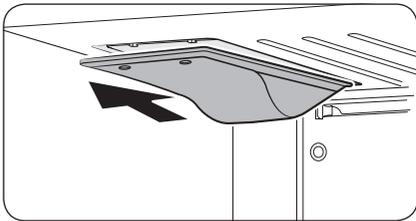
## To install the ice maker kit

### **WARNING**

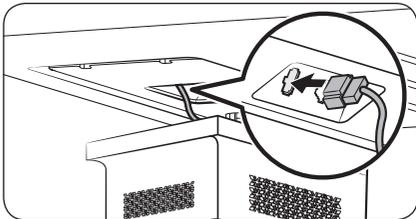
To prevent electrical shock, make sure the refrigerator is turned off before installation.



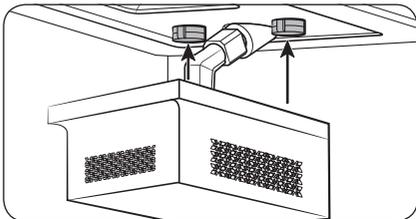
1. See the figure on the left, and then locate the cover on the inner upper corner of the main unit.



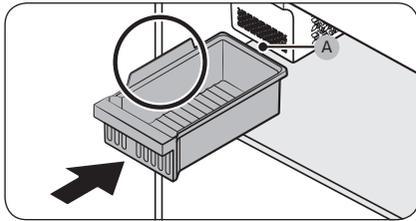
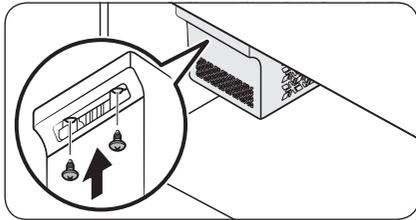
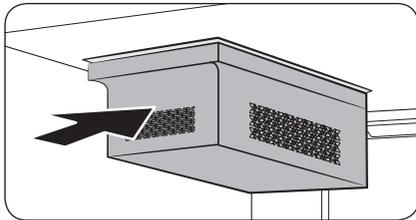
2. Remove the screws (x2) from the cover, and then remove the cover by pulling it to the front.



3. Connect the wire connector of the ice maker to the socket (marked in the figure) on the main unit. Make sure the connector is fully inserted to prevent system failure.



4. Insert the ice maker into the front side of the 2 grommets as shown. Then, push the ice maker inwards to the end. To prevent deviation of the ice maker, make sure the ice maker fits into position.



5. Tighten the provided screws (x2) to attach the ice maker firmly to the refrigerator.
  - Make sure the screw holes are aligned with each other before tightening the screws.

6. Put the **ice bucket** on the shelf as shown. By design, the **ice bucket** is supposed to sit behind the ice maker. Otherwise, the ice cubes from the ice maker will not collect in the bucket as intended.
7. When installation is complete, turn the refrigerator on, and then press **Test Switch (A)** on the ice maker to check if the ice maker operates and supplies water for the ice tray normally.

## CAUTION

- If you don't intend to use the ice maker, or if you are going for a business trip or vacation, turn off the ice maker.
- Do not turn the ice maker on without the ice bucket in place. The ice cubes produced by the ice maker will drop into and scatter through out the freezer.
- Noises may occur when the ice maker is making ice or being supplied with water, or when ice cubes drop into the ice bucket. However, this is not a system failure. When the ice bucket is full, none of these noises will occur.
- The first time you use the ice maker, or after you have replaced the water filter, the ice made by the ice maker may have a carbon residue. If this happens, discard the first full load of ice. Note that the carbon residue is harmless to humans.

# Troubleshooting

## Auto Ice Maker

Symptom	Possible causes	Solution
The ice maker does not produce ice.	<ul style="list-style-type: none"><li>The freezer room is not cold enough.</li></ul>	<ul style="list-style-type: none"><li>Make sure the cold air outlet is not clogged.</li></ul>
	<ul style="list-style-type: none"><li>The ice maker is turned off.</li></ul>	<ul style="list-style-type: none"><li>Make sure the ice maker is turned on. Press and hold <b>Power Freeze</b> for 3 seconds, and check if the corresponding indicator turns on.</li></ul>
	<ul style="list-style-type: none"><li>The wire connector of the ice maker is not connected properly.</li></ul>	<ul style="list-style-type: none"><li>Make sure the wire connector from the wire housing is connected properly.</li></ul>
	<ul style="list-style-type: none"><li>The water line flowing to the ice maker is bent or kinked.</li></ul>	<ul style="list-style-type: none"><li>Make sure the water line in the rear of the refrigerator is not bent or kinked.</li></ul>

# Warranty (USA)

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## LIMITED WARRANTY TO ORIGINAL PURCHASER

This Samsung brand ice maker, as supplied and distributed by Samsung Electronics America, Inc. (Samsung) and delivered new, in the original carton to the original consumer purchaser is warranted by Samsung against manufacturing defects in materials and workmanship for a limited warranty period of:

### **One (1) year Parts on the ice maker.**

This limited warranty begins on the original date of purchase, and is valid only on products purchased from SAMSUNG or a SAMSUNG authorized reseller and used in the United States. Before receiving warranty service, SAMSUNG or its agents may require that you respond to questions designed to assist with diagnosing potential issues and follow SAMSUNG's procedures for obtaining warranty service. You must contact SAMSUNG at the number provided below. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center. In the event SAMSUNG determines, in its sole discretion, that the product is eligible for warranty service, and subject to the conditions and exceptions stated in this limited warranty, SAMSUNG will repair or replace this product, at our option and at no charge. SAMSUNG may, at SAMSUNG's option, use rebuilt, reconditioned or new parts or components when repairing the product, or may replace the product with a rebuilt, reconditioned or new product. If return of the product is required, you must ship the product to the specified SAMSUNG authorized service center or other address provided by SAMSUNG in its original or equivalent packaging. You are responsible for the shipping charges. You are advised to ship any product to SAMSUNG or its designated service center with the benefit of tracking information, as SAMSUNG is not responsible for any damage or loss to the product while in transit. In the case of replacements, ownership of the original product, parts or components will be transferred to SAMSUNG and SAMSUNG will not return the original product, parts or components to you. Replacement product, parts and components assume the remainder of the original warranty, or ninety (90) days, whichever is longer.

This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, reasonable, noncommercial use of this product and shall not apply to the following: damage that occurs in shipment, delivery or installation; damage caused by applications and uses for which this product is not intended or designed; damage caused by ordinary wear and tear; product alterations or modifications; products with a serial number that has been removed, defaced, damaged, altered or made illegible; cosmetic damage or damage to the exterior finish; damage caused by accidents, abuse, neglect, misuse, mishandling; damage due to liquid spills; fire, water, lightning, or other acts of nature or God; damage that results from the use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied or authorized by SAMSUNG; damage caused by connections to incorrect or improper power supply; electrical current fluctuations; power surges; damage caused by failure to follow operating instructions or user manuals or failure to perform preventive maintenance; product removal and reinstallation; or problems caused by pest infestations.

SAMSUNG does not warrant uninterrupted or error-free operation of the product.

# Warranty (USA)

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THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE LISTED AND DESCRIBED ABOVE AND ALL OTHER WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS EXPRESSLY DISCLAIMED, AND NO OTHER EXPRESS WARRANTY OR GUARANTY GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BE BINDING TO SAMSUNG. SAMSUNG SHALL NOT BE LIABLE FOR LOSS OF REVENUE OR PROFITS, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES; NOR SHALL RECOVERY OF ANY KIND AGAINST SAMSUNG BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY SAMSUNG AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, PURCHASER ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO PURCHASER AND PURCHASER'S PROPERTY AND TO OTHER AND THEIR PROPERTY ARISING OUT OF THE USE, MISUSE OR INABILITY TO USE THIS PRODCUT SOLD BY SAMSUNG NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF SAMSUNG. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT, IS NONTRANSFERABLE AND STATES YOUR EXCLUSIVE REMEDY.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific rights, and you may also have other rights, which vary from state to state.

To obtain warranty service, please contact SAMSUNG at:

## **SAMSUNG CUSTOMER CARE CENTER**

Samsung Electronics America, Inc.  
85 Challenger Road  
Ridgefield Park, NJ 07660  
1-800-SAMSUNG (726-7864)  
[www.samsung.com/us/support](http://www.samsung.com/us/support)

# Warranty Information (CANADA)

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## Limited Warranty for Original Purchaser

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This Samsung ice maker is warranted by Samsung Electronics Canada Inc. (hereafter referred to as SECA) against manufacturing defects in material or workmanship for the following periods:

Parts : 1 year

SECA further warrants that if this product fails to operate properly within the specified warranty period and the failure is due to defective material, SECA will repair or replace the ice maker. In-home service is not available in all areas. Contact us to find out if in-home service is currently available in your area by using the contact information at the back of this warranty.

All warranty repairs or replacements must be performed by a SECA Authorized Service Center. (To find the nearest SECA Service Center, call 1-800-SAMSUNG (7267864) or visit our web site at [www.samsung.com/ca](http://www.samsung.com/ca))

## Obligation to the Original Owner

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The original dated sales receipt must be retained by the customer and is the only acceptable proof of purchase. It must be presented to a SECA Authorized Service Center at the time service is requested before warranty services are rendered. On all carry-in models, transportation to and from the Authorized Service Center is the responsibility of the customer.

## Exclusions of the Warranty

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This warranty does not cover damage due to accident, fire, flood, and/or other Acts of God, misuse, incorrect line voltage, improper installation, improper or unauthorized repairs, commercial use, or damage that occurs during shipping. Customer adjustments which are explained in this owners manual are not covered under the terms of this warranty. This warranty will automatically be voided for any unit found with a missing or altered serial number. This warranty is valid only on products purchased and used in the Canada.

### SAMSUNG CUSTOMER CARE CENTER

Samsung Electronics Canada Inc.  
2050 Derry Road West  
Mississauga, Ontario L5N 0B9  
Canada  
1-800-SAMSUNG (726-7864)  
[www.samsung.com/ca/support](http://www.samsung.com/ca/support) (English)  
[www.samsung.com/ca\\_fr/support](http://www.samsung.com/ca_fr/support) (French)



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to view our helpful  
How-to Videos and Live Shows

\* Requires reader to be installed on your  
smartphone

## Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG Customer Care Center.

Country	Contact Center	Web Site
U.S.A	1-800-SAMSUNG (726-7864) 1-844-SAM-PAYS (726-7297)	<a href="http://www.samsung.com/us/support">www.samsung.com/us/support</a>
CANADA	1-800-SAMSUNG(726-7864)	<a href="http://www.samsung.com/ca/support">www.samsung.com/ca/support</a> (English) <a href="http://www.samsung.com/ca_fr/support">www.samsung.com/ca_fr/support</a> (French)



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