

**Amana.**

TR521V



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Part No. 10913068

# **Amana**®

## International Top Freezer Refrigerator Owner's Manual

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# Installation Information

## Introduction

A qualified engineer must connect refrigerator in accordance with these installation instructions. Measure door opening and depth and width of refrigerator. Remove handles or doors as required. Engineer must follow local electrical company connection regulations.



## RECOGNIZE THIS SYMBOL AS A SAFETY PRECAUTION

## Installation Requirements

1. Install on an earthed outlet with a separate 230 volt, 50 hertz., 10A circuit.
2. Protect soft flooring with cardboard or rugs.
3. Install on a floor which supports up to 363 kilograms.
4. Provide 25 millimeter clearance on top and 5 millimeter on sides of refrigerator.

## Removing Wooden Base



### Caution

To avoid personal injury or property damage, two people must remove wooden base.

1. Tape doors on top right and left corners to prevent doors from opening unexpectedly.
2. Slide appliance cart under side of refrigerator opposite hinges.
3. Wrap refrigerator with blanket or pad. Thread strap around refrigerator. Put foam shipping pads, located in shipping carton, under strap. Tighten strap securely.
4. Lower appliance cart to floor with appliance cart handles on bottom.
5. Remove top two bolts from skid.
6. Return refrigerator and appliance cart to an upright position. Remove strap.
7. Slide appliance cart under opposite side of refrigerator.
8. Repeat steps 3-5.
9. Remove wooden base.
10. Return refrigerator and appliance cart to an upright position and remove appliance cart.

## Important

Do not leave refrigerator on its side longer than necessary to remove bolts.

## Removing Handles



### Caution

To avoid personal injury or property damage, hold handles securely while removing.

1. Remove door handle screw caps by lifting ends.
2. Remove door handles by removing screws.
3. Replace door handles by reversing steps 1-2.

## Removing Doors



### Caution

To avoid personal injury or property damage, two people must remove and rehang doors.

1. Tape doors shut to prevent doors from opening unexpectedly.
2. Remove top hinge cover by lifting back and sliding forward.
3. Remove top hinge by removing screws.
4. Remove tape from freezer door.
5. Remove freezer door by lifting while opening.
6. Remove center hinge pin.
7. Remove tape from Fresh Food door.
8. Remove Fresh Food door by lifting while opening.
9. Remove center hinge bracket by removing screws.
10. Remove toe grille by pulling forward.
11. Remove bottom hinge cover by prying cover away from hinge bracket.
12. Remove bottom hinge by removing screws.
13. Rehang doors by reversing steps 1-12.

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## Reversing Doors

1. Complete steps 1-2 in "Removing Handles" section and steps 1-12 in "Removing Doors" section.
2. Remove cover on handle nameplate by lifting end. Bend tabs behind nameplate up and remove nameplate. Rotate nameplate one half turn. Replace nameplate and cover.
3. Remove plastic plugs from side of doors. Insert in opposite side.
4. Place door handles on Fresh Food and freezer doors. Fresh Food handle

becomes freezer handle and freezer handle becomes Fresh Food handle. Insert screws and tighten.

5. Replace door handle screw caps by snapping in.
6. Remove door stops from side of doors by removing screws. Replace door stops on opposite side.
7. Place bottom hinge and spacer(s) on opposite side of refrigerator cabinet. Insert screws and tighten.

### Important

Spacer ring(s) can be moved to properly adjust doors.

8. Move bottom hinge pin to opposite hex hole. Place spacer ring(s) on hinge pin.
9. Remove plastic plugs from side of refrigerator cabinet. Insert in opposite side.
10. Turn over center hinge bracket and spacer(s). Place bracket and spacer(s) on opposite side of refrigerator cabinet. Insert screws and tighten.
11. Rehang Fresh Food door by positioning bottom socket onto bottom hinge pin.
12. Tape Fresh Food door on top right and left corners. freezer
13. Place center hinge pin and spacer ring(s) on center hinge bracket. Pin must fit through bracket and into Fresh Food door socket.
14. Rehang freezer door by positioning bottom socket onto center hinge pin.
15. Tape freezer door shut on top right and left corners.
16. Remove plastic plugs from top of refrigerator cabinet. Insert in opposite side.
17. Place top hinge and spacer(s) on opposite side of refrigerator cabinet. Insert screws and tighten.
18. Replace top hinge cover by snapping on.
19. Replace bottom hinge cover by snapping on.
20. Replace toe grille by inserting clips in holes and snapping in. Top of toe grille is indicated on back of toe grille.

## Leveling Refrigerator

1. Remove toe grille by pulling forward.
2. Remove bottom hinge cover by prying cover away from hinge bracket.
3. Turn leveling screw clockwise to raise refrigerator or counterclockwise to lower refrigerator.
4. Open and close both doors completely.

### Important

If refrigerator cannot be level due to flooring, use shims under roller(s) to level refrigerator.

5. Turn leveling screws clockwise equally on both side until front of refrigerator is 6.4 millimeters higher than back.
6. Turn stabilizing leg until firmly in place against floor.
7. Replace bottom hinge cover by snapping on.
8. Replace toe grille by inserting clips in holes and snapping in. Top of toe grille is indicated on back of toe grille.

# Features

## Fresh Food Section (Refrigerator)

1. Temp-Assure™ Thermostatic Control
2. Shelves
  - Models feature wire, glass or Spillsaver™ shelves.
  - Models feature slide out or stationary shelves.
3. Deli System
  - Models feature a controlled or noncontrolled deli system.
4. Garden Fresh Crispers
  - Models feature controlled or noncontrolled crispers.
5. Utility Rack
6. Covered Utility Bucket
7. Dairy Center
  - Models feature a moveable or fixed dairy center.
8. Snaccess Bin
9. Door Buckets
10. Door Shelves
11. Retainer Bar
12. Adjustable Divider
13. Adjustable Bottle Divider

## Freezer Section

14. Shelves
  - Models feature wire or glass shelves.
15. Ice Service Rack
16. Reversible Rack
17. Door Buckets
18. Door Shelves
19. Retainer Bar
20. Tall Package Retainer

Features vary from model to model.

## Fresh Food Shelves



### Caution

To avoid personal injury or property damage, handle tempered glass shelves carefully. Shelves may break suddenly if nicked, scratched or exposed to sudden temperature change.

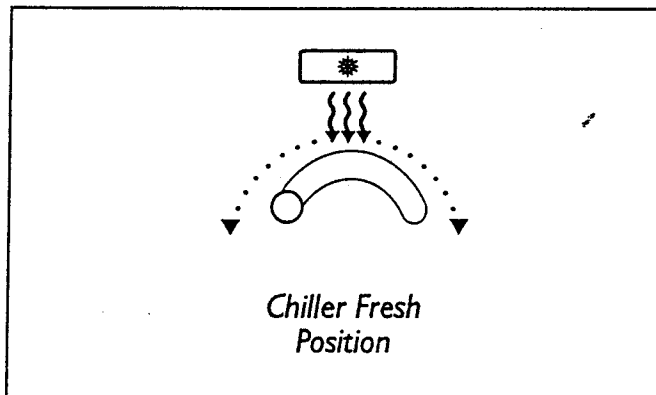
1. Remove shelves by lifting front and releasing hooks from metal track.
2. Replace shelves by inserting hooks into metal track and lowering front.

## Deli System

Locate control, if applicable, on front trim to adjust amount of air circulating between drawer and sleeve.

1. Remove drawer and sleeve, if applicable, by lifting and pulling out. Refer to "Fresh Food Shelves" for instructions on removing and replacing shelf. Use only top three slots.
2. Replace sleeve, if applicable, then drawer by sliding in.

When moving controlled deli system left or right, move control, located on center back wall of refrigerator, to same side.



## Setting Controls

### Garden Fresh Crispers

Locate control, if applicable, on front trim to adjust to either high or low settings.

Remove garden fresh crispers and shelf by observing the following steps:

1. Open left\* garden fresh crisper.  
\*For doors hinged on left, open right garden fresh crisper.
2. Remove shelf by gently pushing up from underneath and tilting one end up.
3. Remove left\* garden fresh crisper by lifting front while supporting underneath.  
\*For doors hinged on left, remove garden fresh crisper on right.
4. Remove support post at recess in bottom center of Fresh Food section.
5. Remove other garden fresh crisper by sliding crisper to opposite wall. Follow step 3.
6. Replace garden fresh crispers and shelf by reversing steps 1-5.

### Dairy Center

1. Remove dairy center by opening door, pushing tabs toward center and pulling out.
2. Replace dairy center by sliding in until tabs lock in place.

### Door Buckets

1. Remove door buckets by pushing tabs toward center and pulling out.
2. Replace door buckets by sliding in until tabs lock into place.

### Door Shelves

1. Remove door shelves by lifting and pulling out.
2. Replace door shelves by reversing step 1.

### Freezer Shelves

Refer to "Fresh Food Shelves" for instructions on removing and replacing half width shelves.

1. Remove full width shelf by tilting one end up and pulling forward.
2. Replace full width shelf by reversing step 1.

This refrigerator operates most efficiently in normal household temperatures of 12° to 43°C.

### Fresh Food or Freezer Controls

Locate Fresh Food and freezer controls at center divider between Fresh Food and freezer sections. When freezer control is set to *off*, neither Fresh Food nor freezer sections will cool. Initially, set both controls to 4. Wait 24 hours for Fresh Food and freezer sections to reach desired temperatures. After 24 hours, adjust controls as desired. 1 is warmest setting and 7 is coldest.

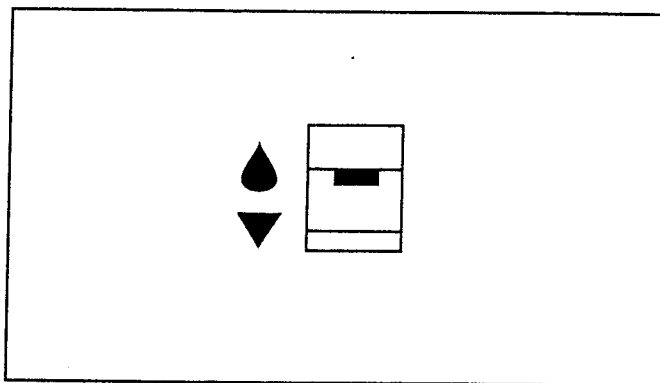
Set temperatures precisely using a household thermometer that includes temperatures between -20.5° to 10°C.

Put thermometer snugly between frozen packages in freezer section. Wait 5-8 hours. If freezer temperature is not -18° to -17°C, adjust control, one number at a time. Check again after 5-8 hours.

Put thermometer in a glass of water in middle of Fresh Food section. Wait 5-8 hours. If Fresh Food temperature is not 3° to 4°C, adjust control, one number at a time. Check again after 5-8 hours.

### Exterior Moisture Control

In humid conditions, refrigerators form condensation around doors. Humidity is subjective depending on location of refrigerator. Set control to on if refrigerator is in a humid area. Set control to off if refrigerator is in a less humid area. Setting can be adjusted as conditions change. Special heaters in refrigerator cabinet minimize condensation.



### Important

High quality steel is used in this refrigerator. However, constant exposure to moisture may cause refrigerator cabinet to rust. Set control to on anytime condensation forms on refrigerator cabinet.

# Care and Cleaning



## WARNING

To avoid electrical shock which can cause severe personal injury or death, disconnect power to refrigerator before cleaning. After cleaning, reconnect power.



## Caution

To avoid personal injury or property damage, read and follow all cleaning product manufacturer's directions.

## General

1. Wash surfaces with four tablespoons baking soda diluted in one quart warm water as needed. Rinse and dry surfaces thoroughly.
2. Do not use the following items:
  - abrasive cleaners such as ammonia, chlorine bleach, etc.
  - solvents
  - metal scouring padsThese items can scratch, crack and discolor surfaces.

## Glass Shelves



## Caution

To avoid personal injury or property damage, handle tempered glass shelves carefully. Shelves may break suddenly if nicked, scratched or exposed to sudden temperature change.

Remove glass shelf and place on a towel. Allow shelf to adjust to room temperature before cleaning.

## Light Bulbs



## WARNING

To avoid electrical shock which can cause severe personal injury or death, disconnect power to refrigerator before replacing light bulb. After replacing light bulb, reconnect power.



## Caution

To avoid personal injury or property damage, observe the following:

1. Allow bulb to cool.
2. Wear gloves when replacing light bulb.

Remove light bulb cover. Replace light bulb with same size and type of appliance bulb.

## Door Gaskets

1. Clean door gaskets every three months or according to "General" cleaning instructions.
2. Rinse and dry gaskets thoroughly.
3. Apply a light film of petroleum jelly to keep door gaskets pliable.

## Condenser Coil

Clean condenser coil every three months. Accumulated dust and lint may cause the following:

- reduced cooling performance
  - increased energy usage
  - premature part failure
1. Remove toe grille by pulling forward.
  2. Clean coil with a vacuum cleaner hose nozzle.
  3. Install toe grille by positioning top and snapping in bottom. Top is indicated on back of toe grille.
  4. Pull refrigerator away from wall. Run a vacuum brush across condenser fan outlet grille on back of refrigerator.

## Vacation Tips

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For short vacations, remove perishable foods. If an ice maker is installed, move ice maker arm to off position.

For long vacations, do the following:

1. Remove food from refrigerator.
2. Unplug refrigerator.
3. Clean refrigerator.
4. Clean door gaskets.
5. Prop doors open, so air can circulate inside.
6. Turn off water supply to refrigerator if an ice maker is installed and move ice maker arm to off position.



### Caution

To avoid property damage, turn off water supply to refrigerator and move ice maker arm to off position before leaving on vacation.

## Normal Operating Sounds

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This new refrigerator may be replacing a differently designed, less efficient or smaller refrigerator. Today's refrigerators have new features and are more energy efficient. As a result, certain sounds may be unfamiliar. These sounds are normal and will soon become familiar. These sounds also indicate refrigerator is operating and performing as designed.

## Before Calling For Service

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Refrigerator does not operate.

- Confirm freezer control is on.
- Confirm electrical power cord is plugged in.
- Check fuse or circuit breaker. Plug in another item at that wall outlet.
- Wait 40 minutes to see if refrigerator restarts. If freezer control is on and lights work but two fans and compressor are not operating, refrigerator may be in defrost cycle.

Refrigerator still won't operate.

- Unplug refrigerator. Transfer food to another unit or place dry ice in freezer section to preserve food until refrigerator can be serviced.

Food temperature appears too warm.

- See above sections.
- Allow adequate time for food to reach Fresh Food or freezer temperature if a large supply of food was recently added.
- Clean condenser coil.
- Adjust Fresh Food and/or freezer control.

Controlled deli system is too warm.

- Slide control to a colder setting.
- Adjust freezer control to a colder setting.

Food temperature is too cold.

- Clean condenser coil.
- Adjust Fresh Food control.
- Allow several hours for temperature to adjust.

Refrigerator runs too frequently.

- It may be normal to maintain an even temperature.
- Doors may have been opened frequently or for an extended period of time.
- Clean condenser coil.
- Adjust freezer control.
- Check gasket for proper seal.

Water droplets form on inside of refrigerator.

- This is normal during periods of high humidity or if doors have been opened frequently.

Water droplets form on outside of refrigerator.

- Check door gaskets for proper seal.
- Turn exterior moisture control switch on.

Garden fresh crispers or controlled deli system does not close freely.

- Check for a package which may prevent drawers from closing properly.
- Confirm drawers are in proper position.
- Clean drawer channels with warm, soapy water. Rinse and dry thoroughly.
- Apply a thin layer of petroleum jelly to drawer channels.
- Confirm refrigerator is level.

Refrigerator has an odor.

- Clean inside of Fresh Food and freezer sections.
- Cover all foods tightly and use freezer wrap.

Refrigerator makes unfamiliar sounds or seems too loud.

- See "Normal Operating Sounds" section. These may be normal.

## Attention — Properly position Chiller Fresh™ Deli Drawer prior to using

1. Remove packing material from around deli drawer. Remove deli drawer.

- Shelf may be shipped upside down.

2. Replace shelf by inserting hooks into metal track and lowering front. For best results use only top 3 slots to install deli drawer.

3. If moving shelf from right to left side of cabinet move chiller fresh control from right to left position.

A. Chiller Fresh™ Deli Drawer installed in slot 1.

