

kenmore side by side refrigerator parts diagram

kenmore side by side refrigerator parts diagram is an essential tool for understanding the complex components and layout of these popular household appliances. This comprehensive article explores the detailed parts diagram of Kenmore side by side refrigerators, providing insights into the critical components, their functions, and how they interrelate within the appliance. Understanding this diagram is invaluable for troubleshooting, maintenance, and repairs, whether performed by professionals or knowledgeable homeowners. The article will also cover common parts, how to interpret the diagrams, and tips for sourcing genuine replacement parts. By delving into the specifics of the Kenmore side by side refrigerator parts diagram, readers will gain a clearer understanding of this appliance's inner workings and how to keep it running efficiently. The following sections will guide you through the main components, their roles, and practical advice on utilizing parts diagrams effectively.

- Understanding the Kenmore Side by Side Refrigerator Parts Diagram
- Key Components in the Kenmore Side by Side Refrigerator
- Reading and Interpreting the Parts Diagram
- Common Replacement Parts and Their Functions
- Tips for Finding Genuine Kenmore Refrigerator Parts

Understanding the Kenmore Side by Side Refrigerator Parts Diagram

The Kenmore side by side refrigerator parts diagram is a detailed schematic representation that illustrates the layout and connections of various components within the appliance. It functions as a visual guide, helping technicians and users identify each part's location and relationship to others. Typically, these diagrams are provided in the refrigerator's service manual or parts catalog and include labels and codes that correspond to specific components.

These diagrams are crucial for troubleshooting because they allow a clear view of mechanical and electrical systems, including the refrigeration cycle, ice maker assembly, and control boards. Users benefit from understanding these diagrams as they can diagnose problems more accurately and decide whether a repair or part replacement is necessary.

Purpose and Benefits of Using Parts Diagrams

Parts diagrams serve several important purposes. They simplify the repair process by pinpointing faulty parts, reduce guesswork in maintenance, and assist in ordering the correct replacements.

Additionally, these diagrams help in training technicians by providing a comprehensive overview of the appliance's internal structure.

Where to Find Kenmore Parts Diagrams

Kenmore parts diagrams can be obtained from various sources, including official Kenmore service manuals, appliance parts websites, and authorized repair centers. These resources often provide downloadable diagrams in PDF format or interactive online diagrams for easier navigation.

Key Components in the Kenmore Side by Side Refrigerator

Kenmore side by side refrigerators incorporate numerous parts that work together to maintain optimal cooling and food preservation. The parts diagram highlights these components, categorizing them into mechanical, electrical, and user interface groups. Understanding the main parts and their roles is essential for interpreting the diagram effectively.

Refrigeration System Components

The refrigeration system is the heart of the appliance. Key components include:

- **Compressor:** Compresses refrigerant and circulates it through the system.
- **Condenser Coils:** Release heat from the refrigerant to the surrounding air.
- **Evaporator Coils:** Absorb heat inside the refrigerator compartments to cool the air.
- **Expansion Valve or Capillary Tube:** Regulates refrigerant flow into the evaporator.

User Interface and Control Parts

These parts enable users to manage the appliance's functions:

- **Thermostat or Temperature Control:** Adjusts the cooling level.
- **Control Board:** Acts as the appliance's brain, coordinating operations.
- **Display Panel:** Shows temperature settings and operational status.

Additional Functional Components

Other integral parts featured in the diagram include:

- **Ice Maker Assembly:** Produces and dispenses ice cubes.
- **Water Dispenser Components:** Filters and controls water flow.
- **Door Seals and Gaskets:** Ensure airtight closure to maintain temperature.

Reading and Interpreting the Parts Diagram

Interpreting the Kenmore side by side refrigerator parts diagram requires familiarity with common symbols, labels, and layout conventions used in appliance schematics. These diagrams are typically broken down into sections representing the refrigerator's compartments, mechanical assemblies, and electrical circuits.

Understanding Labels and Part Numbers

Each part in the diagram is marked with a unique identifier or part number, which corresponds to the official Kenmore parts catalog. These labels are critical when seeking replacement components or referencing technical documentation. Additionally, parts diagrams often include a legend or key explaining symbols and abbreviations.

Identifying Connections and Wiring

Wiring diagrams embedded within the parts diagram show how electrical components connect and interact. Recognizing these connections helps diagnose electrical issues such as faulty sensors or control board malfunctions. It is important to note the color codes and terminal labels when reviewing wiring sections.

Using the Diagram for Troubleshooting

Technicians and users can leverage the parts diagram to trace problems systematically. For example, if the ice maker is not functioning, the diagram can help locate the ice maker module, water inlet valve, and associated wiring. By following the diagram, one can isolate the malfunctioning part and confirm its position and connections before replacement.

Common Replacement Parts and Their Functions

Kenmore side by side refrigerators have several parts that frequently require replacement due to wear or failure. Understanding these common parts and their functions can facilitate efficient

repairs and ensure the appliance's longevity.

Compressor

The compressor is the most critical component in the refrigeration cycle. It compresses refrigerant gas and circulates it through the system, enabling heat exchange. When a compressor fails, the refrigerator will not cool properly, making its replacement essential.

Water Inlet Valve

This valve controls the flow of water to the ice maker and water dispenser. A faulty valve can cause leaks or prevent ice production and water dispensing.

Evaporator Fan Motor

The evaporator fan motor circulates cold air throughout the refrigerator and freezer compartments. A malfunctioning fan can lead to uneven cooling or frost buildup.

Door Gaskets

Door gaskets maintain an airtight seal around the refrigerator doors. Damaged gaskets cause cold air leakage, increasing energy consumption and reducing cooling efficiency.

Control Board

The electronic control board manages the fridge's operations. Faulty boards can cause erratic behavior, such as temperature fluctuations or failure to start cooling cycles.

Tips for Finding Genuine Kenmore Refrigerator Parts

Acquiring authentic parts is vital to maintaining the performance and safety of Kenmore side by side refrigerators. Genuine parts ensure compatibility, durability, and compliance with manufacturer standards.

Using Official Kenmore Parts Sources

Purchasing from authorized Kenmore parts suppliers or directly from Sears guarantees that the parts are genuine. These sources provide accurate part numbers and detailed diagrams, which reduce the risk of ordering incorrect components.

Verifying Part Numbers and Compatibility

Before ordering, it is essential to cross-check the part number from the diagram or user manual with the supplier's inventory. Compatibility verification helps prevent delays and additional costs associated with returns or wrong parts.

Avoiding Third-Party or Counterfeit Parts

While less expensive, third-party or counterfeit parts may not meet Kenmore's quality standards and could void the warranty. Using genuine parts maintains the refrigerator's reliability and extends its operational lifespan.

Keeping a Parts Diagram Handy

Maintaining a copy of the Kenmore side by side refrigerator parts diagram can streamline future repairs and part replacements. It serves as a quick reference to identify parts and understand their placement within the appliance.

Frequently Asked Questions

Where can I find a Kenmore side by side refrigerator parts diagram?

You can find Kenmore side by side refrigerator parts diagrams on the official Kenmore website, Sears PartsDirect, or appliance repair websites like RepairClinic and PartSelect.

How do I read a Kenmore side by side refrigerator parts diagram?

A parts diagram displays the refrigerator's components with labels and part numbers. Identify the section you need (e.g., door, compressor) and match parts visually and by number to locate and order replacements.

Are Kenmore side by side refrigerator parts diagrams available for all models?

Most Kenmore side by side refrigerator models have parts diagrams available online; however, availability depends on the model's age and popularity. Older models may have limited online resources.

Can I use a Kenmore side by side refrigerator parts diagram to

repair my appliance myself?

Yes, parts diagrams help identify the correct parts and their placement, making it easier to perform DIY repairs. However, ensure you have the necessary skills and safety knowledge before attempting repairs.

What are common parts shown in a Kenmore side by side refrigerator parts diagram?

Common parts include the compressor, evaporator fan motor, condenser coils, door gaskets, ice maker assembly, water filter housing, control board, and shelves.

How do I identify the correct part number from a Kenmore side by side refrigerator parts diagram?

Each part in the diagram is labeled with a reference number that corresponds to a part number listed in the diagram's legend or parts list, which you can use to order the correct replacement.

Is there a difference between Kenmore side by side refrigerator parts diagrams and other refrigerator brands?

While the basic layout is similar, Kenmore parts diagrams are specific to their models and part numbers, which may differ from other brands due to design and manufacturer differences.

Can I download a PDF of the Kenmore side by side refrigerator parts diagram?

Many appliance parts websites and the official Kenmore site allow you to view and download PDF versions of parts diagrams for specific models, making it easier to reference offline.

Additional Resources

1. Kenmore Side by Side Refrigerator Repair Manual

This comprehensive guide covers the detailed parts and repair instructions for Kenmore side by side refrigerators. It includes exploded parts diagrams, troubleshooting tips, and step-by-step repair procedures. Ideal for both DIY enthusiasts and professional technicians looking to maintain or fix their Kenmore appliances.

2. Understanding Kenmore Refrigerator Components: A Visual Guide

This book offers a visual approach to understanding the individual parts of Kenmore side by side refrigerators. With clear diagrams and labeled components, readers can easily identify parts and their functions. It's a perfect resource for those who want to familiarize themselves with refrigerator mechanics before attempting repairs.

3. Kenmore Side by Side Refrigerator Parts and Maintenance Handbook

Focused on routine maintenance and troubleshooting, this handbook provides detailed parts diagrams alongside maintenance schedules. It helps users prolong the lifespan of their Kenmore

refrigerators by understanding key components and how to care for them properly. The book also explains common issues and how to resolve them efficiently.

4. DIY Kenmore Refrigerator Repair: Parts Identification and Replacement

A practical manual designed for do-it-yourselfers, this book emphasizes identifying and replacing parts in Kenmore side by side refrigerators. It includes detailed diagrams and easy-to-follow instructions for common repairs. Readers will gain confidence in handling repairs without professional assistance.

5. Kenmore Refrigerator Parts Catalog: Side by Side Models

This catalog-style book lists all parts available for Kenmore side by side refrigerators, complete with part numbers and diagrams. It is an essential reference for ordering replacement parts and understanding how components fit together. Technicians and parts suppliers will find this resource invaluable.

6. Troubleshooting Kenmore Side by Side Refrigerators: A Parts-Based Approach

This troubleshooting guide uses parts diagrams to help diagnose and fix common problems in Kenmore side by side refrigerators. It walks readers through identifying faulty components and provides solutions based on the parts involved. The clear visuals make complex repairs more accessible.

7. Appliance Repair Illustrated: Kenmore Side by Side Refrigerators

Featuring full-color illustrations and detailed parts diagrams, this book breaks down the inner workings of Kenmore side by side refrigerators. It serves as both a technical manual and an educational resource for understanding appliance repair. The book covers everything from basic parts identification to advanced troubleshooting.

8. Kenmore Refrigerator Service Manual: Side by Side Editions

This official service manual offers in-depth technical information and parts diagrams for Kenmore side by side refrigerators. It is tailored for professional repair technicians but accessible to knowledgeable homeowners as well. The manual includes wiring diagrams, component locations, and repair procedures.

9. Complete Guide to Kenmore Side by Side Refrigerator Parts and Repairs

An all-encompassing guide, this book combines detailed parts diagrams with repair strategies for Kenmore side by side refrigerators. It addresses both mechanical and electrical components, providing a holistic view of the appliance. Readers will find step-by-step instructions and tips for efficient and effective repairs.

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