

Installation Manual of Room Air Conditioner

Preparation

Necessary Tools for Installation

- Hammer
- Nipper
- Hack saw
- Hole core drill
- Spanner(17,19 and 26mm)
- Glass leakage detector or soap-and-water solution
- Torque wrench (17mm, 22mm, 26mm)
- Pipe cutter
- Flaring tool
- Knife
- Measuring tape
- Ruler

Power Source

- Before inserting power plug into receptacle, check the voltage without fail. The power source is the same as the corresponding name plate.
- Install an exclusive branch circuit of the power.
- A receptacle must be set up in a distance where the power cable can be reached. Do not extend the cable by cutting it.

Selection of Installation Place

Indoor Unit - Select a location that is

- Robust, not causing vibration, where the body can be supported sufficiently.
- Not affected by heat or steam generated in the vicinity, where inlet and outlet of the unit are not disturbed.
- Possible to drain easily, where piping can be connected with the outdoor unit.
- Where cold air can be spread in a room evenly.
- Nearby a power receptacle. (Refer to drawings).
- Place where the distance of more than 1m from televisions, radios, wireless apparatuses and fluorescent lamps can be left.

- In the case of using the remote controller etc, place where the indoor unit can receive signals when the fluorescent lamps in the room are in use.

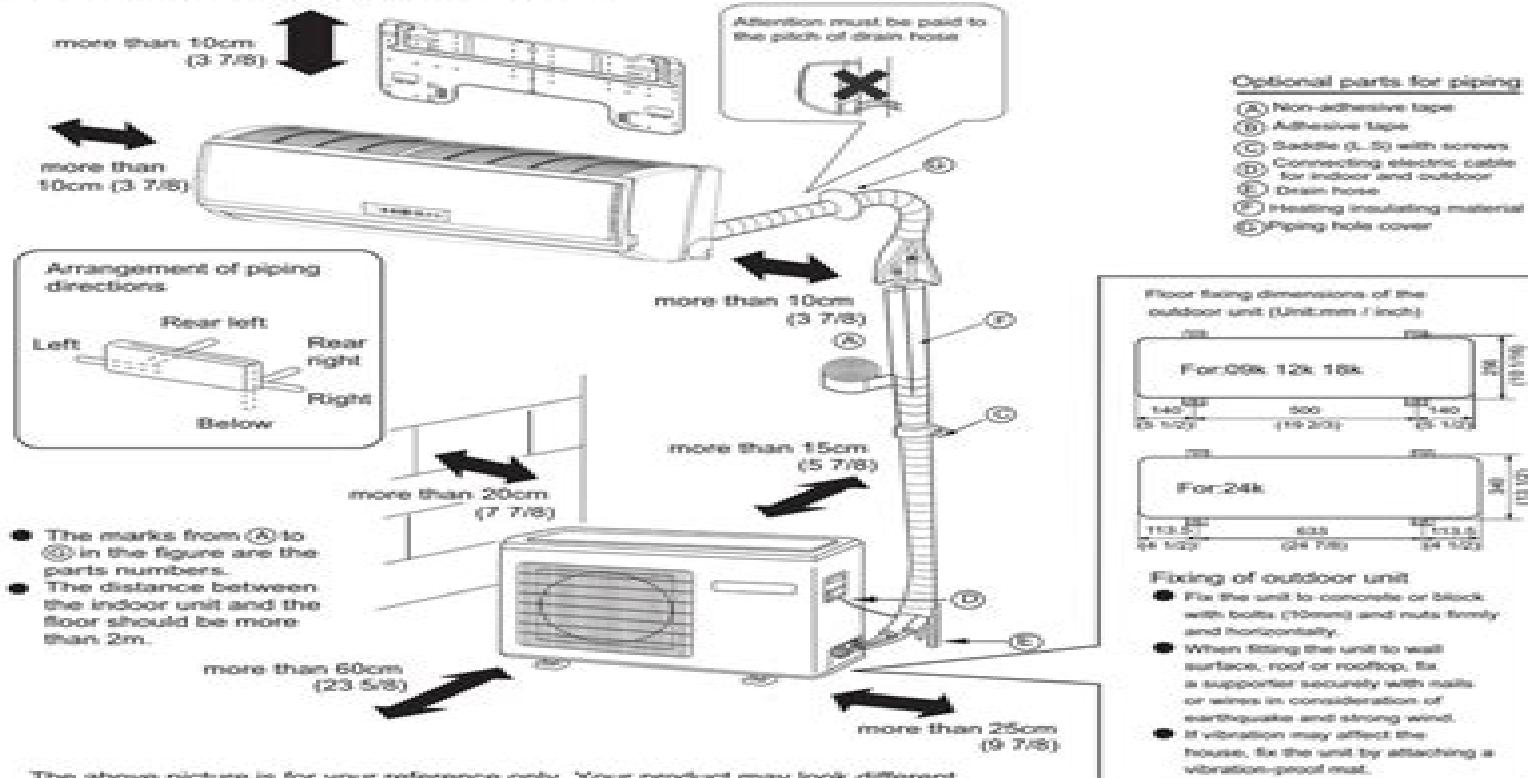
Outdoor Unit - Select a location that is

- Less affected by sun or direct sunlight and is sufficiently ventilated.
- Strong enough to bear the unit, where vibration and noise are not increased.
- Not causing a nuisance to neighbors due to discharged air or noise.

A distance marked \times is unavailable as illustrated in the below figure.

Drawing for the installation of indoor and outdoor units

The models adopt HCFC free refrigerant R410A.



The above picture is for your reference only. Your product may look different.

Read this manual before installation.

Explain the operation of the unit to the user according to this manual.

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Air Conditioner Repair Guide

SJ Ball

Air Conditioner Repair Guide:

Air conditioning and Refrigeration Repair Made Easy Hooman Gohari,2009-10-19 This comprehensive book has been developed to quickly train an average person for the vast commercial and residential refrigeration and air conditioning market within a short period of time It provides all the technical knowledge needed to start a successful refrigeration and air conditioning business anywhere in the world

Family Handyman Whole House Repair Guide Family Handyman,2021-09-14 Whether you're a first time homeowner or a long standing neighborhood icon your home needs attention and we can help The Family Handyman's Whole House Repair Guide gives readers the know how and confidence to tackle repair jobs save money and avoid the hassles of service calls We cover all of the most common repairs from floors to ceilings from paint to plumbing Indoors or out large or small this is the guide you need to do the job right This book will walk you through all projects and also provide tips and tricks that will make the jobs simpler

Air Conditioner Repair Guide ,2002 Service technicians will learn to troubleshoot air conditioners

[DIY Air Conditioner Maintenance and Repair](#) Cade Troy,2022-11-18 The DIY Air Conditioner Maintenance and Repair Book is a comprehensive how to guide for air conditioning system maintenance Learn the basics of air conditioning with step by step instructions and diagrams advice on what to do during repairs special features and troubleshooting A detailed and comprehensive guide that covers everything you need to know to maintain and repair your air conditioning Covers everything from changing the filter cleaning the system adjusting the thermostat adding refrigerant and much more Whether you are a do it yourself enthusiast or just want to know what is happening inside your home this book will give you all of the information you need GET IT NOW

[A Comprehensive Guide to Fixing Your Air Conditioning](#) Charles Nehme , Welcome to Mastering Air Conditioner Repair A Comprehensive Guide to Fixing Your Cooling System In a world where comfort and convenience are paramount air conditioning has become an integral part of our daily lives Whether you reside in a scorching summer climate or need to maintain optimal conditions for a commercial space a well functioning air conditioner is essential This book aims to equip you with the knowledge and skills required to troubleshoot and repair common issues that can arise with your air conditioning unit While many people rely on professional technicians to handle such matters learning how to fix your air conditioner can not only save you time and money but also provide a sense of empowerment and self reliance Throughout the pages that follow we will delve into the inner workings of air conditioning systems exploring the intricate mechanisms responsible for keeping your environment cool and comfortable From understanding the basics of refrigeration cycles to diagnosing common problems and performing necessary repairs this guide will serve as your indispensable companion However before diving into the technical aspects it is crucial to emphasize the importance of safety Working on air conditioning systems involves handling electrical components refrigerants and complex machinery Therefore it is essential to exercise caution and adhere to safety guidelines at all times If you are uncertain or uncomfortable with any aspect of the repair process it is recommended to seek professional assistance

Remember this book serves as a starting point for your journey towards becoming an air conditioner repair expert. It is designed to provide you with the foundational knowledge required to tackle common issues effectively. However, each situation may present its own unique challenges and it is important to exercise critical thinking and problem solving skills to address them. By mastering the art of air conditioner repair, you can not only extend the lifespan of your cooling system but also minimize energy consumption, reduce environmental impact and enhance the overall efficiency of your unit. Whether you are a homeowner, a business owner or simply an enthusiast eager to explore the inner workings of these incredible machines, this guide will be your key to a more comfortable and sustainable future. So let us embark on this journey together, armed with knowledge, determination and a passion for making our air conditioning systems work at their best. Prepare to unlock the secrets behind cooling technology and acquire the skills necessary to fix your air conditioner with confidence. The cool breeze of success awaits you.

Automobile Repair Guide Boyce H. Dwiggins, 1978 *Popular Science*, 1976-02 Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share is that the future is going to be better and science and technology are the driving forces that will help make it better.

Central Heating and Air Conditioning Repair Guide Billy L. Price, James Tucker Price, 1983-01-01 **Catalog of Copyright Entries. Third Series** Library of Congress. Copyright Office, 1979

Central Heating & Air Conditioning Repair Guide

Billy L. Price, James Tucker Price, 1975 *Step by Step Auto Repair Guide* Outlet, Outlet Book Company

Staff, Random House Value Publishing Staff, RH Value Publishing, 1984-03 **Chilton's Guide to Air Conditioning Repair and Service**, 1990

Air Conditioning and Refrigeration Troubleshooting Handbook Billy C. Langley, 2003 An overview of the servicing and troubleshooting of cooling equipment provides detailed explanations of the purpose of each cooling system component, covering the common problems encountered during troubleshooting. Includes troubleshooting charts, numerous diagrams and suggested procedures for repairs.

Heating, Ventilating, Air Conditioning Guide, 1925
Chilton's Guide to Air Conditioning Repair and Service Chilton Book Company, 1985 Provides maintenance troubleshooting and repair information for automotive air conditioning and related parts for domestic and import cars built between 1982-85.

Air Conditioning Maintenance and Troubleshooting: A Comprehensive Guide to Efficient and Safe HVAC Care Charles Nehme, The importance of air conditioning in our daily lives cannot be overstated. From the comfort of our homes to the productivity of our workplaces, air conditioning systems play a critical role in maintaining an optimal environment. However, like all mechanical systems, air conditioners require regular maintenance and occasional troubleshooting to function efficiently and prolong their lifespan. This book, Air Conditioning Maintenance and Troubleshooting Guide, aims to serve as a comprehensive resource for homeowners, technicians and HVAC professionals alike. Whether you are a novice looking to understand the basics of your home air conditioning system or a seasoned technician seeking advanced troubleshooting tips, this guide is designed to meet your needs. Why This Guide Air conditioning systems

are complex and involve various components including compressors evaporators condensers and various electrical parts Proper maintenance can prevent many common issues and save on costly repairs This guide covers the essential aspects of air conditioning maintenance providing step by step instructions and detailed explanations to ensure your system runs smoothly Key Features Comprehensive Maintenance Tips Learn about the routine tasks necessary to keep your air conditioning system in top condition from cleaning filters to checking refrigerant levels Troubleshooting Techniques Diagnose and resolve common problems with clear practical solutions This section includes troubleshooting flowcharts and checklists to simplify the process Safety Precautions Understand the safety measures you need to take while working with air conditioning systems to prevent accidents and injuries Technical Insights Gain deeper knowledge of the components and workings of different types of air conditioning systems including central air conditioners split systems and window units Environmental Considerations Learn about the environmental impact of air conditioning systems and how to adopt practices that are both efficient and eco friendly Who Should Read This Book Homeowners Equip yourself with the knowledge to maintain your home air conditioning system identify problems early and possibly avoid expensive service calls HVAC Students Use this guide as a supplementary resource to enhance your understanding of air conditioning systems and prepare for a career in HVAC maintenance and repair Professional Technicians Update your skills with the latest maintenance and troubleshooting techniques and use this book as a quick reference on the job Acknowledgments This book would not have been possible without the valuable input and feedback from HVAC professionals and industry experts who have generously shared their knowledge and experience I am also grateful to the publishers and technical reviewers whose efforts have ensured the accuracy and clarity of this guide Conclusion Maintaining and troubleshooting air conditioning systems can seem daunting but with the right knowledge and tools it becomes manageable and rewarding This guide is intended to empower you with the confidence and skills necessary to keep your air conditioning system running efficiently and reliably Thank you for choosing this guide I hope it serves as a valuable resource and enhances your understanding and enjoyment of air conditioning maintenance and troubleshooting

Popular Mechanics ,1991 *The Woman's Hands-On Home Repair Guide* Lyn Herrick,1997-01-09 Author of the nationally syndicated column Ask Ms Fix It Lyn Herrick describes basic repairs for appliances wiring and lighting plumbing and heating walls and floors windows and doors and more Readers will learn how to fix creaky floors dripping faucets clogged drains broken windows and all those other things that can and will go wrong in and around the home **Popular Mechanics** ,1981-07 Popular Mechanics inspires instructs and influences readers to help them master the modern world Whether it's practical DIY home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science PM is the ultimate guide to our high tech lifestyle

Glenn's Ford/Lincoln/Mercury Tune-up and Repair Guide Harold T. Glenn,1969

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