



BOOKS

SECTION

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SERVING ALL OF CALIFORNIA AND NEVADA
www.alliedrefrigeration.com

Troubleshooting and Servicing Modern Air Conditioning & Refrigeration Systems



In today's ever changing technical world, service technicians must be highly skilled and have a solid understanding of refrigeration and air conditioning concepts. In addition, technicians must stay abreast of current industry development and improved techniques. Troubleshooting and Servicing Modern Air Conditioning and Refrigeration Systems gives service technicians all the information needed to accurately diagnose and solve various systems problems. The book details a variety of topics and troubleshooting procedures, including the following: Refrigerant pressures, states, and conditions, Subcooling and superheat, Compression systems, Metering devices, System charge, Diagnosing air conditioning systems, Systematic troubleshooting, Alternative refrigerants, Refrigerant blends and oils, Leak detection - evacuation and clean up procedures, Ozone depletion and global warming.

PART#

1-930044-06-2

Troubleshooting & Servicing Heat Pumps



"Troubleshooting and Servicing Heat Pumps Systems" is a unique field guide discusses in detail the various aspects of Heat Pump Selection, installation, and service. This book covers basic heat pump operation, including: A review of the refrigeration cycle, heat pump configurations, 4-way valves, electrical schematics, defrost systems, controls and accessories, the scroll compressor, and service and troubleshooting.

"Troubleshooting and Servicing Heat Pump Systems" serves not only as comprehensive field guide for the seasons HVAC&R professional, but also as a unique learning tool for those just entering the field. It's easy - to - understand formats and extensive illustrations and diagrams make it the perfect tool for every HVAC&R technician.

PART#

1-930044-10-0

Basic Refrigeration & Charging Procedures



Refrigerant pressures, states and conditions are covered, as well as how they apply to the refrigeration system. Vapor pressures, subcooling, superheat, saturation, latent heat, and sensible heat are explained and applied to the refrigeration cycle. Basic system components, their functions and applications are included. Detailed explanations of each point in the refrigeration cycle will clarify questions the reader may have.

Definitions and system applications of subcooling and superheat are also included in this module. Condenser subcooling, total subcooling, evaporator superheat and total superheat are explained with examples as they apply to the basic refrigeration cycle. Friction and static pressure losses, with examples and applications, gives the reader a thorough understanding of how much subcooling is needed in any system.

Advanced topics such as; liquid pressure amplification, superheat suppression, floating head pressure, and refrigerant control systems are included.

PART#

1-930044-13-5

System Diagnostics and Troubleshooting Procedures

This module provides the reader with the necessary information to successfully diagnose air conditioning and refrigeration system problems. Systematic troubleshooting and diagnostics of; airflow problems, refrigerant cycle malfunctions, suction and liquid line restrictions, oil logged evaporator, undercharge, overcharge, compressor inefficiencies, dirty condenser, air in the system, restricted metering device, and low and high condenser entering air temperatures are detailed.

Systematic diagnosis of the above listed problems using service checklists to assist the service technician to quickly and efficiently troubleshoot a system is explained.

Basic and advanced leak detection covering the following six classes of leaks are detailed; standing leaks pressure dependant leaks temperature dependant leaks vibration dependant leaks combination dependant leaks cumulative micro leaks

Testing procedures for evaporator leaks, condenser leaks, suction and liquid line leaks are all thoroughly explained. Advanced leak detection and modern leak detectors are also included and explained in detail.

System evacuation, deep vacuums, micron gauges and scales, vacuum pumps, vacuum manifolds, system pressure drops, vacuum breaker valves, and gas ballasts are all explained as well as illustrated.

System cleanout procedure after a compressor burnout using suction and liquid line filters and associated graphs are included. Combination acid and moisture test kits are also a part of this module.

PART#

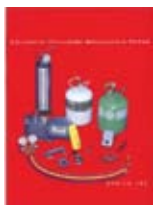
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DOOLIN'S TROUBLE SHOOTERS BIBLE

- More than 200,000 servicemen own the DOOLIN'S TROUBLE SHOOTERS BIBLE.
- Hundreds of trade schools and community colleges use this book in their training programs.
- This book rides service trucks, is the shop manual of the trade and is used extensively by owners of equipment who maintain their own units or have maintenance departments.
- No technician should be without this book.

PART#

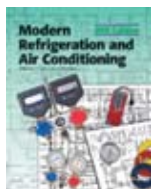
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LA BIBLIA DOOLIN PARA EL TÉCNICO REPARADOR.

- Más de 200,000 técnicos tienen la BIBLIA DOOLIN PARA EL TÉCNICO REPARADOR.
- Cientos de escuelas técnicas y universidades comunitarias utilizan este libro en sus programas de adiestramiento. Este libro se encuentra en los camiones de servicio, es el manual de la industria y es utilizado extensamente por los dueños de equipo que mantienen sus propias unidades y que tienen departamentos de mantenimiento.

PART#

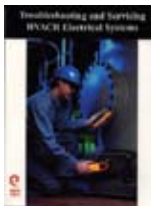
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MODERN REFRIGERATION AND AIR CONDITIONING

Modern Refrigeration and Air Conditioning provides an excellent blend of theory with job-qualifying skills, making it a leader in the refrigeration and air conditioning field! This comprehensive text teaches both fundamental principles and the service techniques needed to diagnose and remedy HVAC problems. Modern Refrigeration and Air Conditioning contains the most recent information and advances in the field needed to prepare the technician for success in today's world. This edition includes up-to-date material on EPA rules and regulations covering refrigerant recovery, recycling, and reclaiming. Both students and practicing technicians will benefit from the comprehensive approach of this text, which provides a solid and thorough knowledge of all aspects of refrigeration and air conditioning.

PART#

1-59070-280-8

Troubleshooting & Servicing HVAC&R Electrical Systems

This book details HVACR electrical system operation, systematic troubleshooting and service. It was written with the non electrician in mind. It provides service technicians with all the information necessary to accurately diagnose and solve electrical system faults. Sections on safety, schematic interpretation, system components, motors, electric heat and troubleshooting are included.

"Troubleshooting and Servicing HVACR Electrical Systems" is written in easy to understand language and has a large number of illustrations. This book will provide service technicians with the practical hands on

PART#

1-930044-08-9

R-410A Universal Safety Manual



This book was developed to provide field service personnel with the necessary training and practical knowledge to safely perform service on systems containing R-410A and R-407C. In addition, this manual includes information on: the R-22 phase-out, appropriate refrigerant and oil applications, service techniques, as well as safe handling of R-410A.

This manual contains all of the information technician will need to prepare for their R-410A Safety Certification. The R-410A Safety Certification is conducted through the auspices of the membership of the AC&R Safety Coalition

PART#

1-930044-12-7

Tecumseh Service Handbook



PART#

AF111

Technician Refrigerant Journal



PART#

ESS

Thomas Guides



PART#

0528859633

Alameda And Contra Costa County Street Guide

052885853X

California Road Atlas

0528859382

Los Angeles & Orange Counties Street Guide

0528867164

Los Angeles/Ventura Counties Street Guide

052886680X

San Bernardino and Riverside Counties Street Guide

0528866915

San Diego County Including Portions of Imperial County Street Guide

0528859781

Sacramento and Solano County Street Guide

0528860682

Santa Clara and San Mateo Counties Street Guide

0528859641

Metro Bay Area Street Guide

0528860925

Las Vegas and Clark County Street Guide

Section 608 Certification Exam Preparatory Manual



The ESCO Institute Section 608 EPA Preparatory Manual covers all questions contained on the EPA exam. The book is clear, concise and has been used by hundreds of thousands of students and technicians alike to successfully prepare for the EPA Universal technician exam.

PART#

1-930044-00-3

Section 608 Certification Exam Preparatory Manual



You can't buy the small can without it! Great for use on ladders or tight spaces. *Required to service motor vehicle A/C systems. * Required to purchase small containers (under 20lbs) of regulated refrigerants. * Open book main in format. * Chosen by Robinair, White and many other equipment manufactures. * Wallet ID card and wall certificate upon successful completion.

Any person that services motor vehicle air conditioning must be certified. Servicing motor vehicle air conditioning includes repairs, leak testing, and topping off of air conditioning systems low on refrigerant as well as any other repair to the vehicle which requires dismantling any part of the air conditioner.

PART#

1-930044-05-4

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