



Troubleshooting and Servicing Modern Air Conditioning and Refrigeration Systems

John Tomczyk

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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.

Troubleshooting and Servicing Modern Air Conditioning and Refrigeration Systems discusses the changes affecting the refrigeration and air conditioning industries with an emphasis on the phaseout of CFC and HCFC refrigerants. Detailed sections on the most current leak detection and evacuation methods are included, as well as a section on alternative refrigerants and retrofit guidelines. The book also includes refrigerant changeover guidelines for the following conversions: R-12 to R-134a; R-12 to R-401A; R-12 to R-401B; R-502 to R-402A/R-408A; and R-502 to R-404A/R-507.

Troubleshooting and Servicing Modern Air Conditioning and Refrigeration Systems is a 251 page soft cover that is written in easy to understand language and utilizes a large number of illustrations, tables, and photos. This book will provide service technicians with the practical, hands on information needed to successfully troubleshoot and service today's increasingly complex air conditioning and refrigeration systems.

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