

### 80MGF SERIES UNITS

80MGF series units are mid-efficiency gas furnaces manufactured with tubular heat exchangers formed of aluminumized or stainless steel. 80MGF units are available in heating capacities of 45,000 to 140,000 Btuh and cooling applications up to 5 tons. Refer to Engineering Handbook for proper sizing.

Units are factory equipped for use with natural gas. A kit is available for conversion to LPG operation. All 80MGF units built prior to September 98 use electronic (direct spark) ignition. 80MGF-11 model units are equipped with the Lennox SureLight ignition system. The 80MGFX unit meets the California Nitrogen Oxides ( $\text{NO}_x$ ) Standards and California Seasonal Efficiency requirements. All units use a redundant gas valve to assure safety shut-off as required by A.G.A. or C.G.A.

The heat exchanger, burners and manifold assembly can easily be removed for inspection and service by simply disconnecting gas, unplugging wiring harness and spark wires and removing four screws holding the heat exchanger in place. Then the heat exchanger slides out of the cabinet.

All specifications in this manual are subject to change. Procedures outlined in this manual are presented as a recommendation only and do not supersede or replace local or state codes. In the absence of local or state codes, the guidelines and procedures outlined in this manual (except where noted) are recommended only and do not constitute code.

Units may be installed in upflow, downflow or horizontal position. The heat exchanger is designed for upright or horizontal use only. When the unit is installed in the downflow position, the heat exchanger is field removed and re-installed so it is upright when the cabinet is inverted. No field conversion is required when the unit is installed in the horizontal position.



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# Lennox Gas Furnace Repair Manual

**RM Cervero**



## **Lennox Gas Furnace Repair Manual:**

*High-efficiency Gas Furnace Troubleshooting Handbook* Billy C. Langley, 1991      *Sanitary & Heating Engineering* , 1929

*High Efficiency Gas Furnace Fixes* Robert Enochs, 2024-03-01 Fix Your Furnace Without Having to Hire a Professional

This easy to read and follow comprehensive HVAC repair manual is your ultimate guide to troubleshooting and fixing common issues with your furnace without needing a costly service technician This furnace troubleshooting book does not read like a typical HVAC for beginners or HVAC for Dummies repair book no this is more like a storybook that takes you on a fascinating journey of learning everything there is to know about your furnace Because after all you need to know how it works before you can fix it This book is designed specifically for homeowners and brand new service technicians to empower anyone to take control of their heating system and confidently tackle repairs Inside you ll find practical step by step instructions and expert tips to help you navigate through any condensing gas furnace problem You ll learn to tackle each task carefully understanding the importance of safety procedures You ll also get a history lesson to better understand how heat exchangers and many other internal components work and why they do what they do Because after all you can t fix something if you don t know what it s supposed to do in the first place This HVAC book offers a clear rundown of the essential equipment including specialized diagnostic tools that make you feel like a furnace pro Delve deep into what makes your furnace tick as you familiarize yourself with its key components each explained with clarity and practical detail With each page you ll gain proficiency in addressing common issues from burners that won t light up to clogged condensate drains Learn the ins and outs of thermostat tweaks why a filter replacement is critical and what to do when a hot surface ignitor or flame sensor throws a tantrum After mastering these topics you won t just learn how to fix it you ll learn maintenance tips to prevent future problems

**Key Features** Easy to follow troubleshooting guides for common furnace problems Detailed explanations of high efficiency condensing gas furnace components and operation Insider tips and tricks to save time and money on repairs Safety precautions and best practices for DIY furnace maintenance Bonus chapter on preventive maintenance to keep your furnace running efficiently year round Whether you re a homeowner looking to repair the furnace in the middle of the night by yourself or save on repair costs this book will teach you everything you need to know and things you previously had no idea about

*High Efficiency Gas Furnace Fixes* is your HVAC repair book and this is not HVAC repair for dummies this easy to read book will explain everything you need to know about your condensing gas furnace Embrace the power and satisfaction of being able to fix the furnace yourself with open arms and enjoy the mental ease that comes with invaluable know how

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