

# IMPORTANT: THIS MANUAL MUST BE KEPT NEAR THE FURNACE FOR FUTURE REFERENCE!!



## Oil Fired Warm Air Furnaces LRF/LRFV DV Lowboy Rear Flue

**Airco Olsen**

**LRF**  
Lowboy Rear Flue Model  
**LRFV**  
Lowboy Rear Flue Model with ECM Blower

Oil Fired Warm Air Furnaces

**INSTALLATION, OPERATION & MAINTENANCE MANUAL**

**ECR international**

Manufactured by:  
ECR International Inc.  
2202 Dwyer Avenue, Uxux, WI 53001  
Tel: 800-253-7900  
www.ecrinternational.com  
PN 240011511 REV E (03/15/2018)

**Airco Olsen**

**Direct Vent Supplement**  
LRF / LRFV Oil Fired Warm Air Furnaces

**INSTALLATION, OPERATION & MAINTENANCE MANUAL**

**WARNING**  
Fire, explosion, asphyxiation and electrical shock hazard. Improper installation could result in death or serious injury. Read this manual and understand all requirements before beginning installation.

**NOTICE**  
Information contained in this manual pertains to oil fired direct vent furnaces equipped with manufacturer provided and field installed blocked vent safety control system (pressure switch).

ALL INSTALLATIONS MUST MEET ALL LOCAL, PROVINCIAL/STATE, AND FEDERAL CODES WHICH MAY DIFFER FROM THIS MANUAL.

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PN 240011896 REV C (03/18/2018)

**Airco Olsen**

**OIL FIRED WARM AIR FURNACE**

**Homeowner Instructions**

**WARNING**  
Fire, explosion, asphyxiation and electrical shock hazard. Improper installation and operation could result in death or serious injury. Read this manual and understand all requirements before operating furnace.

**WARNING**  
Keep area clear and free from combustible materials, gasoline and other flammable vapors and liquids. Do not stack, box-in, or store items within the required clearance to combustibles. DO NOT obstruct air openings to the furnace room. Modification, substitution or elimination of factory equipped, supplied or specified components may result in personal injury or loss of life. TO THE OWNER - Installation and service of this appliance must be performed by a qualified installer. TO THE INSTALLER - Leave all instructions with appliance for future reference.

Save These Instructions For Reference

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PN 240006450 REV C (03/15/2018)

Installation, Operation & Maintenance Manual 240011511 REV E [03/15/2018]

Direct Vent Supplement Manual 240011896 REV C [03/18/2018]

User's Information Manual 240006450 REV C [03/15/2018]

**OLSEN-AIRCO OIL FURNACES AND AIR CONDITIONING A-COILS**

Effective Date - February 2017

**THIS LIMITED WARRANTY GIVES THE ORIGINAL PURCHASER ONLY SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH VARY FROM STATE-TO-STATE AND PROVINCE-TO-PROVINCE. Keep this warranty certificate and the installation manual applied with your unit for future reference.**

**Our Warranty**  
By this warranty statement ("Limited Warranty"), ECR International, Inc. ("ECR") issues limited warranties from the date of installation or date of manufacture, as specified herein, of the applicable Olsen-Airco Oil Furnace ("Furnace") to the Original Purchaser, at original installation site, of the Olsen-Airco Oil Furnace or A-Coil in a single or two-family residential dwelling, used without interruption by the Original Purchaser at his or her residence.

**RESIDENTIAL FIVE YEAR PARTS LIMITED WARRANTY**  
**OLSEN-AIRCO OIL FURNACES AND AIR CONDITIONING A-COILS**  
The following limited warranty shall apply to the Original Purchaser, at original installation site, of the Olsen-Airco Oil Furnace or A-Coil in a single or two-family residential dwelling, used without interruption by the Original Purchaser at his or her residence.

All Olsen-Airco Oil Furnaces and Air Conditioning A-Coils carry a 5-Year parts only limited warranty. ECR warrants in Olsen-Airco Oil Furnace and A-Coil components used in residential applications to be free from defects in material and workmanship under normal usage for a period of five (5) years from the date of original installation. In the event that any part of such Olsen-Airco Oil Furnace or A-Coil is found to be defective in material or workmanship during this five-year period, then ECR will repair or replace, at its option, the defective part. Labor charges to diagnose, troubleshoot, remove and install repaired or replaced parts are the responsibility of the Original Purchaser along with any freight charges.

This 5-Year Parts Limited Warranty shall not apply to normal maintenance items including but not limited to filters, fan belts, fuses or other consumable items. At no time does this 5-Year Parts Limited Warranty cover labor for replacing such parts.

**COMMERCIAL ONE-YEAR LIMITED HEAT EXCHANGER WARRANTY**  
**OLSEN-AIRCO OIL FURNACES ONLY**  
The following ten (10) year limited warranty shall apply to only the Original Purchaser, at original installation site, of the Olsen-Airco Oil Furnace in a three or more family dwelling or commercial building, used without interruption by the Original Purchaser.

**First through Tenth Year** - ECR warrants from the date of original manufacture, to the Original Purchaser, that the Heat Exchanger in Olsen-Airco Oil Furnaces will be free from defects in materials and workmanship for a period of ten (10) years. In the event that the Heat Exchanger of such Olsen-Airco Oil Furnace is found to be defective in material or workmanship during this period, then ECR will repair or replace, at its option, the defective part. Labor charges to diagnose, troubleshoot, remove and install repaired or replaced parts are the responsibility of the Original Purchaser along with any freight charges.

Note: If the Heat Exchanger involved is no longer available due to obsolescence or redesign, the value of the proportionate charge, if applicable, will be based on the current net price or net price of the nearest equivalent Heat Exchanger. If no equivalent Heat Exchanger is available, ECR shall have the option to allow a credit towards the purchase of a new Olsen-Airco Oil Furnace. Such credit shall be based upon the net price of the failed Heat Exchanger and equal to the percent of coverage left on the original Heat Exchanger warranty.

20 <sup>th</sup> Year	21 <sup>st</sup> Year	22 <sup>nd</sup> Year	23 <sup>rd</sup> Year	24 <sup>th</sup> Year
30%	40%	50%	60%	70%
20 <sup>th</sup> Year & Beyond 75%				

ECR International Inc. 2202 Dwyer Avenue, Uxux, WI 53001 Tel: 800-253-7900 www.ecrinternational.com

**ECR international**  
A Family of Heating & Cooling Brands.

Airco Argo Dunkirk EMS Olsen PERMCO RETROARC OLYMPIA

Thank you for your recent purchase!

Visit [www.ecrinternational.com](http://www.ecrinternational.com) to register your unit and view our special warranty offers!

**TRINITY**

\*Unit must be registered within 60 days from the date of original installation  
All terms of Trinity Extended Service Agreement apply

PN: 240011524 Rev 5/16

**ECR international** Warranty Registration

This form must be completed and returned to ECR International within 60 days of purchase. Cette forme doit être complétée et retournée à ECR International en moins de 60 jours de l'achat.

Homeowner Name: \_\_\_\_\_ Serial No.: \_\_\_\_\_  
No. de Propriétaire: \_\_\_\_\_ No. de Série: \_\_\_\_\_  
Address: \_\_\_\_\_ Model No.: \_\_\_\_\_  
Address: \_\_\_\_\_ No. de Modèle: \_\_\_\_\_  
City: \_\_\_\_\_ Date of Installation: \_\_\_\_\_  
City: \_\_\_\_\_ Date de l'Installation: \_\_\_\_\_  
Pz/Postal code: \_\_\_\_\_ Installer Name: Name de l'Installateur: \_\_\_\_\_  
Pz/Code Postal: \_\_\_\_\_ Company: \_\_\_\_\_  
Phone: \_\_\_\_\_ Address: \_\_\_\_\_  
Téléphone: \_\_\_\_\_ Address: \_\_\_\_\_  
E-mail: \_\_\_\_\_ City: \_\_\_\_\_  
E-mail: \_\_\_\_\_  
Country: \_\_\_\_\_ Title: \_\_\_\_\_  
Pz/Postal code: \_\_\_\_\_  
Pz/Code Postal: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Téléphone: \_\_\_\_\_  
E-mail: \_\_\_\_\_  
Country: \_\_\_\_\_

The personal information you provide us will be used and processed by the employees, representatives and agents of ECR and its affiliates and service providers, who may be both inside and outside of Canada, and who only have access to your information for the purpose of fulfilling this warranty program.

L'information personnelle que vous nous fournissez sera employée et traitée par les employés, les représentants et les agents ECR International et ses filiales et fournisseurs de services, qui peuvent être à l'intérieur et/ou à l'extérieur du Canada, qui ont accès à votre information pour le but de remplir ce programme de garantie.

Warranty registration is available online at [www.ecrinternational.com](http://www.ecrinternational.com). L'enregistrement de la garantie peut être fait en ligne à [www.ecrinternational.com](http://www.ecrinternational.com).

JAN 15/05/2015

Limited Warranty 240005038 REV E [02/01/2017]

Special Warranty Offer 240011524 [05/16/2016]

**Warranty Registration**  
1595023 REV D

3002447

Envelope Assy Master 3002447 REV C [03/15/2018]