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ROBINAIR AC690 Pro

Part No.: 2404-116
Date: 26 March 2008
Issue: 0.3

SPECIFICATION

Voltage:	220-240v AC 50 Hz
Refrigerants:	R134A
Weight:	110kg
Dimensions:	528cm x 69 cm x 69 cm
Max. Operating Pressure:	56 bar (232 PSI)
Temp. Operating Range:	10 - 50°C
Warranty:	12 months (optional 3 year extended warranty available)

Introduction

AC690 - is the most advanced AC service station for car, truck and bus. Fully automatic and user friendly it has been developed for use on all Automotive R134a air conditioning systems with the minimum of user intervention possible. The AC690 automatically controls the recovery, recycling, vacuum and recharging process for the oil, UV dye and refrigerant without the need for the operator. It can also be used in manual mode to control each phase independently. The powerful dual stage vacuum pump guarantees a rapid and effective dehydration of the system prior to recharging. The unit is equipped with an integrated database supplying the details of 3900 vehicles for refrigerant, oil type and quantity required, which can be used in conjunction with the built vehicle fault diagnostic program. The standard fitted printer gives an overall detailed activity report at the end of the automatic process, or at the end of each process when used in manual mode.

Complete Automation

The AC690 Pro offers complete "programme and walk away" capability. This is achieved with two additional scales which firstly, weigh recovered oil and automatically injects the same amount of fresh oil plus any extra oil if required. UV dye injection is also automatic when selected.

Automatic Operation / Vehicle Database

The user can run either in "manual" or "automatic" (expert or beginner) mode for maximum flexibility. "Automatic" option reduces "hands on" time to around 5 minutes per job (with automatic leak check) and allows you to select "make", "model" & "type" of vehicle (from the 3,900 available on the OEM database). Refrigerant charge, oil viscosity and quantity are then displayed and confirmed. The database now has full edit and key up-date facilities.

Unique Diagnostic Programme

The integrated diagnostic programme is extremely powerful. From key temperature and pressure data the programme diagnoses possible faults and rectifications, saving time and improving service levels. This functionality replicates expensive stand-alone "A/C fault-finding / Diagnostic" tools very effectively. In fact, the data used to gauge "normal" parameters is make / model specific where other equipment will often use "universal" data, decreasing accuracy in the process.

Printer

The AC690 Pro is sold with an integrated printer. This has been up-graded to allow you to print your company details (inc. telephone number) along with date, time, refrigerant recovered, refrigerant charged, oil recovered, oil charged, vacuum time and vacuum leak test pass / fail and "Next Service" date. Customer and vehicle details are also on printout when selected from database. The printer can help both the sales process and record-keeping and print-outs can be generated at any stage of operation.

Flush-Prepared

The AC690 Pro is sold prepared for liquid refrigerant flushing with integrated software support. A machine kit and adaptor kit are available as optional extras to up-grade to full liquid refrigerant flushing capability. Flushing removes contamination and debris and is essential when components (especially the compressor) have failed. Flushing is mandatory following compressor failure or system contamination by many vehicle and compressor manufacturers for warranty purposes.

Features



Robinair Ac 600 Pro User Manual

ML Morrison



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 ,1975-07 *Aeronautical Digest* ,1937 **Modern Refrigeration and Air Conditioning** ,1962 **Air Conditioning,**
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