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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:	128cm x 69 cm x 69 cm
Max. Operating Pressure:	16 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





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Features & Benefits

Complete Automation	Integrated Printer
Achieved through programmable software and automated oil and dye injection. Reduces "hands-on" time to under 5 minutes	Generates data to help the sales process as well as creating job records for you and your customers. Complete flexibility to print at any stage, includes customer and contact details
Choice of Operating Modes	High Capacity Internal Tank
Manual or automatic, beginner or expert for maximum flexibility	20.0 kg capacity internal tank
Vehicle Databases	Large Gauges
Integrated OEM vehicle database with R134A oil data for over 3,900 vehicles with new predictive selection facility. Programmable user database	Large 80 mm pulse-free Class 1 gauges, mounted near-vertical for easy viewing (displaying Bar, PSI scales)
Diagnostic programme	NEW Design
Saves time identifying "vehicle" faults, suggest out of 36 common faults depending on test results	Durable cabinet with large inflated rear wheels and front castors for easy manoeuvrability in confined spaces
Operator Prompts	LCD Display
Visual and audible	80 digit backlit multi-language LCD display
Hoses	Condenser
2.5 metre as standard. 5m & 7.5m available on request	Vertically mounted twin-fan super-cooled for high performance in all conditions
Large Memory Facility	Tank Gauge
4 MB memory facility to store and edit service data for up to an extra 250 vehicles	Shows internal pressure
Database Up-dates	
Smart key up-date facility to keep you up-to-date with new vehicles.	
Powerful Heavy Duty Compressor	Leak check
Hermetic 1/3 Hp compressor means fast and complete refrigerant recovery from the system at 500 gms pm	Fully automatic vacuum leak test
Automatic Refrigerant Recycling	Automatic UV dye injection
Recycles recovered refrigerant ready for re-use	Solenoid controlled
Auto-restart	Air Purge
Recovery / recycling begins again if system pressure rises	Automatic non-condensable gas release valve
Automatic Oil Separation / Injection	Electronically Calibrated Scale
Automatic oil separation and automatic scale-controlled oil injection	Accurate re-charging (resolution to + / - 5 gms)
Large Vacuum Pump	
Powerful two-stage 180 litres per minute vacuum pump to remove air and moisture	

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