

# 2024 BEAT THE HEAT A/C PRODUCTS

**TOOLWEB**<sup>SM</sup>

**SPECIAL  
EDITION**



SCAN FOR  
DIGITAL  
CONTENT



**KT177700  
(1200 CFM)**

**Utility Blower Fans**

- 3 speed with 4-position adjustment for centralized airflow and quick drying
- 1 year warranty

**KT177742  
Black 42" Belt  
Drive Industrial  
Drum Fans**

- 7/8 HP energy efficient motor
- 2-Speed Motor
- 14800 cfm (High)
- 11,250 cfm (Low)
- 1 Year Warranty

**42"**



**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



**COOLS  
950 SQ. FT.**

**HESMC37M  
Evaporative  
Cooler 3100 CFM**

**cps**<sup>®</sup>

**CPSMSX134  
R134a Refrigerant  
Management Center**

- Fully Automatic
- 2-year warranty on the units

**CPSMSX1234  
R1234YF Refrigerant  
Management Center**

- Hybrid/EV Compatible
- Fully Automatic
- 2-year warranty on the units



**NEW**



**NON PRICED**

## R1234YF

# cps®

- Precision performance with increased productivity. Optimize your recovery processes with a high-capacity, oil-less compressor for faster and more efficient performance.

	CPSMSX1234	CPSMSX3030
Features	R1234YF Refrigerant Management Center	R134a/R1234YF Dual-Refrigerant Management Center
Gas	R1234YF	R134a and R1234YF
Dual-Refrigerant SAE J3030 certified		•
Hybrid/EV Compatible	•	•
Fully Automatic	•	•
Oil-less compressor	•	•
Removable tank eliminates the need for scale locks and easy access	•	•
Wifi and Bluetooth enabled	•	•



2-year warranty  
on the units

**CPSMXXC**  
MAXXAIR Series RRR Dust Cover Cover

# MAHLE

## Service Solutions



	MSSACX2250	MSSACX2280
Features	A/C RRR Machine R1234YF	A/C RRR Machine R1234YF
Gas	R1234YF	R1234YF
Innovative, ergonomic hinged service	•	
7" capacitive touch screen and intuitive user interface	•	•
Bright LED indicator light	•	•
Wireless software update capability	•	•
Automatic weighing of recovered oil	•	•
Data management and reporting for refrigerant use optimization/warranty reporting	•	•
Connectivity for remote technical support	•	•
Network printing capability with PDF emailing capabilities	•	•
Non-integrated refrigerant identifier	•	
Optional iOS and Android phone app for remote service session mirroring and advanced functionality	•	
Integrated refrigerant identifier		•
Database included		•
EcoLOCK® R1234YF Couplers		•
iOS and Android phone app for remote service session mirroring and advanced functionality included		•

R1234YF



MSCCOMMANDER4100



**Mastercool®**  
"World Class Quality"



WI-FI



MSCCOMD-RRR-KITA



MSCCOMD-RRR-KIT-2A



MSCCOMD-RRR-KIT-3A

	MSCCOMMANDER4100	MSCCOMD-RRR-KITA	MSCCOMD-RRR-KIT-2A	MSCCOMD-RRR-KIT-3A
Features	R1234yf & Hybrid	<b>Combo Kit includes</b> <ul style="list-style-type: none"> <li>• COMMANDER3100</li> <li>• COMMANDER4100 with (2) FREE universal Dye Injectors (53123 &amp; 53123-YF)</li> </ul>	<b>Combo Kit 2 includes:</b> <ul style="list-style-type: none"> <li>• COMMANDER2100</li> <li>• COMMANDER4100 with (2) FREE Universal Dye Injectors (53123-YF)</li> </ul>	<b>Combo Kit 3 includes:</b> <ul style="list-style-type: none"> <li>• COMMANDER1100</li> <li>• COMMANDER4100 with (2) FREE Universal Dye Injectors (53123 &amp; 53123-YF)</li> </ul>
Design Certified For Compliance With SAE J2788	•	•	•	
Voltage	110V	110V	110V	
Gas	R1234YF	R134a and R1234YF	R134a and R1234YF	
Color Command Center with Touch Screen	10" Screen	10" Screen	10" Screen	
Automatic and Manual Procedures	•	•	•	Manual procedures on the Commander 1100
Vehicle Refrigerant Database	•	•	•	Optional on the Commander 1100
Automatic Vacuum Leak Test: Programmable	•	•	•	
Automatic Oil Discharge	•	•	•	
Automatic and Manual Air Purge	•	•	•	
Auto Filter, Full Tank and Low Refrigerant Alarms	•	•	•	
Tank Heater	•	•	•	
Vacuum Pump	6 CFM	6 CFM	6 CFM	3 CFM on the Commander 1100
Refrigerant Identifier	•	On the Commander 4100	On the Commander 4100	
Solid Durable Wheels with Locking Casters	•	•	•	
Wi-Fi Capable	•	•	•	

**MSCCOMD1-FLTRPK**  
**Filter Pack for Commanders**

- Filter pack for Commanders 4000, 4000-X and all 220V models
- Contains dryer for all 4000 models



**WARNING:** Cancer and Reproductive Harm  
- www.P65Warnings.ca.gov



# RECOVERY/RECYCLE/RECHARGE/ MACHINES

R1234YF

# ROBINAIR®



	ROBAC1234-9	ROBAC1234-4	ROBAC1234-4SL
Features	CONNECTED R1234YF ACS Machine	PREMIER R1234YF Recover, Recycle and Recharge Machine	PREMIER R1234YF, Recycle and Recharge Machine for Mobile Service
Refrigerant	R-1234yf	R-1234yf	R-1234yf
A/C Service	Automatic	Automatic	Automatic
Manifold Values	Automatic - Not required	Automatic - Not required	Automatic - Not required
Recovery Efficiency	98.50%	98.50%	98.50%
Charge Accuracy	+/- .5 oz	+/- .5 oz	+/- .5 oz
Automatic Internal Tank Refill	Yes	Yes	Yes
Auto Oil Drain	Yes	Yes	Yes
Air Purge	Automatic	Automatic	Automatic
A/C Component Flushing	Yes	Yes	Yes
Vacuum Leak Test	Yes	Yes	No
Vehicle Data	Optional, 34002	Optional, 34413-C	Optional, 34413-C
Service Record Storage	Yes	Yes	Yes
Refrigerant Management	Yes	Yes	Yes
Display	10" hi-res touch screen	4.3" LCD Display	4.3" LCD Display
Vacuum Pump	1.5 cfm dual stage (35 microns)	1.5 cfm dual stage (35 microns)	1.5 cfm dual stage (35 microns)
Internal Tank	30 lb	30 lb	30 lb
Hose Length	9 ft	9 ft	12 ft
WiFi Capable	WiFi enabled from the factory	Yes, requires 80211TMP or 80211VCI master kit	Yes, requires 80211TMP or 80211VCI master kit
RJ45 Ethernet Connector	WiFi enabled from the factory	WiFi capable with 80211TMP or 80211VCI master kit	WiFi capable with 80211TMP or 80211VCI master kit
Integrated Refrigerant Identifier	Yes	Yes	Yes
Contaminated Refrigerant Removal Port	Yes	Yes	Yes



## ROB16106

### 1234YF Identifier Sample Hose

- Simple screw on fittings on both sides



## ROB16913

### Replacement Filter for A/C Refrigerant Identifiers, Models 16900 and 16910

- Supersedes Robinair part number 16912
- This filter is for the Identifier that mounts to the control panel on the ACR2000 and 342000 a/c machine and hand held identifiers



## ROB16916

### R1234YF AC RRR Machine Oxygen Sensor

- Replacement oxygen sensor for Robinair R1234YF machines and refrigerant identifiers



**WARNING:** Cancer and Reproductive Harm  
- www.P65Warnings.ca.gov



## ROB34002

### R1234YF Vehicle A/C Capacities Database - 2020





R134A

cps®



CPSMSX134



CPSMXHD



CPSFA1000

	CPSMSX134	CPSMXHD	CPSFA1000
Features	R134a Refrigerant Management Center	R134a AC RRR Heavy Duty Machine	Deluxe R134a RRR Machine for High Voltage Systems
Gas	R134a	R134a	R134a
Color touch-screen control panel	•	•	Large Graphic LCD
Fully Automatic	•	•	•
Oil-less Compressor	•	•	•
Onboard Oil Injection	•		
Wifi and Bluetooth enabled	•	•	
External Tank		50 lb.	50 lb.
Vacuum Pump		8 CFM	6 CFM

**WARNING:** Cancer and Reproductive Harm  
- www.P65Warnings.ca.gov

2-year warranty on the units

2-year warranty on the units

cps®



### CPSFX3030X1

**FX Series Maintenance Kit**  
• Includes FX Filter, Vacuum Pump Oil and Service Hose Coupler O-Rings

**CPSARXF5**  
Filter for CPSAR2788

**CPSRIXF**  
Filter for CPSAR212TR

**CPSMXXC**  
MAXXAIR Series RRR Dust Cover Cover

	MSSACX2150	MSSACX2180	MSSACX2180H
Features	A/C RRR Machine R134A	AC RRR Machine R134A	A/C RRR Machine Hybrid R134A
Gas	R134a	R134a	R134a
7" capacitive touch screen and intuitive user interface	•	•	•
Bright LED indicator light	•	•	•
Wireless software update capability	•	•	•
Automatic weighing of recovered oil	•	•	•
Data management and reporting for refrigerant use optimization and warranty reporting	•	•	•
Connectivity for remote technical support	•	•	•
Network printing capability with PDF emailing capabilities	•	•	•
Integrated automatic oil & UV dye injection for AC leak detection	•	•	
Optional iOS and Android phone app	•	•	•
EcoLOCK® R134A Couplers		•	•
Hybrid certified (no oil injection)			•

**WARNING:** Cancer and Reproductive Harm  
- www.P65Warnings.ca.gov

MAHLE

Service Solutions



# RECOVERY/RECYCLE/RECHARGE/ MACHINES

R134A



**Mastercool<sup>®</sup> Inc.**  
"World Class Quality"



MSCCOMMANDER1100



	MSCCOMMANDER1100	MSCCOMMANDER2100	MSCCOMMANDER3100
Features	Commander1100 Semi-Automatic R134a R/R/R Machine	Commander2100 Fully Automatic R134a R/R/R Machine	Commander3100 (110V) Automatic R134a and Hybrid R/R/R Machine
Design Certified For Compliance With SAE J2788	•	•	•
Gas	R134a	R134a	R134a & Hybrid
Voltage	110 V	110 V	110 V
10" Color Command Center with Touch Screen	•	•	•
Automatic and Manual Procedures	Manual procedures only	•	•
Vehicle Refrigerant Database	Optional	•	•
Automatic Vacuum Leak Test: Programmable	•	•	•
Automatic Oil Discharge	•	•	•
Automatic and Manual Air Purge	•	•	•
Auto Filter, Full Tank and Low Refrigerant Alarms	•	•	•
Tank Heater	•	•	•
Vacuum Pump	3 CFM	6 CFM	6 CFM
Multiple Languages	•	•	•
Solid Durable Wheels with Locking Casters	•	•	•
Wi-Fi Capable	•	•	•
Mastercool Dust Cover	•	•	•

**WARNING:** Cancer and Reproductive Harm  
- www.P65Warnings.ca.gov



## MSC69788-FLTRPK Commander Replacement Filter Pack

- Item Weight - 5 lbs
- Package Quantity: 1
- Replacement Filter
- Moisture removal
- Fits different units



## MSCCOMD2-FLTRPK Filter Pack for Commanders Dryer System

- Filter pack includes DML162 Danfoss dryer
- Dryer for all Commander machines
- Flash drive for dryer activation

R134A

# ROBINAIR®



	ROB34998	ROB34288NI	ROB34788NI	ROB34788NI-H	ROB34888HD
Features	CONNECTED R134A ACS Machine	ECONOMY R-134A Recover, Recycle, Recharge Machine	PREMIER R134A, Recycle and Recharge Machine for Mobile Service	PREMIER R-134A Refrigerant Recovery, Recycling, and Recharging Machine for Hybrid and Non-Hybrid Vehicles	HEAVY DUTY R134A Recover, Recycle, Recharge Machine
Refrigerant	R134a	R134a	R134a	R134a	R134a
A/C Service	Automatic	Manual	Automatic	Automatic	Automatic
Manifold Values	Automatic - Not required	Yes - Panel valves	Automatic - Not required	Automatic - Not required	Automatic - Not required
Recovery Efficiency	98.50%	98.50%	98.50%	98.50%	98.50%
Charge Accuracy	+/- .5 oz	+/- .5 oz	+/- .5 oz	+/- .5 oz	+/- .5 oz
Automatic Internal Tank Refill	Yes	No	Yes	Yes	No
Auto Oil Drain	Yes	Yes	Yes	Yes	Yes
Auto Oil Injection	Yes, 2 bottles	No	Yes, 1 bottle	No	Yes, 1 Bottle
Refrigerant Management	Yes	Yes	Yes	Yes	Yes
Display	10" hi-res touch screen	5" x 9" Color, Graphical Display	5" x 9" Color, Graphical Display	5" x 9" Color, Graphical Display	5" x 9" Color, Graphical Display
Vacuum Pump	1.5 cfm dual stage (35 microns)	1.5 cfm single stage ( 70 microns )	1.5 cfm dual stage (35 microns)	1.5 cfm dual stage (35 microns)	5 cfm dual stage (35 microns)
Internal Tank	30 lb	30 lb	30 lb	30 lb	50 lb (External tank)
WiFi Capable	WiFi enabled from the factory	Yes, requires 80211TMP or 80211VCI master kit	Yes, requires 80211TMP or 80211VCI master kit	Yes, requires 80211TMP or 80211VCI master kit	No
Meets SAE J-2788 Requirements	Yes	Yes	Yes	Yes	Yes
Hybrid/EV capable	No	Yes	No	Yes	No

## ROBINAIR MACHINE ACCESSORIES

### ROB19776 A/C Quick Change Filter for ROB17800C



### ROB34724 Spin On Filter

- Fits Current models: ROB34288NI, ROB34788NI, ROB34788NI-H, ROB34888HD, ROB34998, ROBAC1234-4, ROBAC1234-4-SL and ROBAC1234-9

### ROB34430 Recycling Filter-Drier Quick Change Filter

- Specially blended for maximum acid and moisture removal
- For older 17700A, 34450, 34700 (1997), AC375, AC375A, 34134Z



### ROB13172 Recovery and Recycling Unit Maintenance Kit

- For models using 34724 Filter-Drier (17700A, 17700-2K, 34700, 34700-2K, 34800, 34800-2K, 34900 Series)
- Contains one quick change filter-drier to be used on both R12 and R134A stations, and one 16 ounce bottle of our Premium High Vacuum Pump Oil



### ROB34411-L R134A Legacy Machines Vehicle A/C Capacities Database - 2021



### ROB30038 Printer Compatible with ROB34288NI, ROB34788NI, ROB34788NI-H, ROBAC1234- 4, ROBAC1234-4SL, ROB17800C

### ROB34214 Printer Paper (3-rolls) ROB30038 Printer



### Heavy Duty Vinyl Dust Covers



#### ROB17490

Fits new machines  
ROB17800C and  
ROB34888HD

#### ROB17499

Fits ROBAC1234-4,  
ROBAC1234-6,  
ROBAC1234-9,  
ROB34788NI,  
ROB34788NI-H &  
ROB34988NI

#### ROB17492

Fits ROB3420000,  
ROB17700-2K,  
ROB34700Z,  
ROB347002K



# RECOVERY/RECYCLE/RECHARGE/ MACHINES

## ROBINAIR MACHINE ACCESSORIES CONTINUED

**ROBINAIR**

Bluetooth

### ROB80211TMP Wi-Fi/Temperature Probes Master Kit

- Wirelessly reads internal cabin vent temp in multiple locations or cabin vent temp and outside temp
- Included dongle connects A/C machine to WiFi for feature and performance enhancements
- Kit contains two Robinair temp probes, a USB adapter cable, a USB WiFi/Bluetooth receiver and A/C machine software update SD card
- Works with ROB34288NI, ROB34788NI, ROB34788NI-H, ROB34988NI, ROBAC1234-4

### ROB80212 Bluetooth Temperature Probe (2-Pack)

### ROB80213 Bluetooth Temperature Probe

### ROB80211VCI VCI Wireless Master Kit

- Wirelessly gather vehicle year, make and model information
- Automatically include vehicle charge amount from vehicle capacities database as well as oil type and oil capacity for various A/C system components
- Read generic OBDII fault codes to identify issues
- Works with Robinair new platform machines ROB34288NI, ROB34788NI, ROB34788NI-H, ROB34988NI and ROBAC1234-4

### ROBACS-250 Wireless OBD II VCI

- Works directly with ROB34998 and ROBAC1234-9 connected AC machines; will work with NI and ROBAC1234-4 machines if they have been WiFi/Bluetooth enabled

**cps**

### CPSTRSA21 Refrigerant Scavenger - Dual Refrigerant

- Refrigerant Recovery System for Contaminated Refrigerant
- For use on R134A and R1234YF systems
- Dual Refrigerant Manifold
- Meets SAE J2810 and J2851
- Made in the USA

### CPSTRSA30 Refrigerant Scavenger Unit - SAE J2851 for R134A and R1234YF

- Sparkproof vacuum pump
- Meets SAE J2810 and J2851
- 30 lb. tank
- Low side recovery hose
- For R134a and R1234yf

## RRR MACHINES - PORTABLE - R1234YF



**Mastercool**  
"World Class Quality"

### MSC69372 R134A/R1234YF Complete A/C Recovery System

- Includes all hoses and couplers needed to recover, cleanse and remove the oil from R134a and R1234yf automotive A/C systems as well as an extra filter dryer for replacement

### MSC69360-YF Mastercool R1234YF Complete Refrigerant Recovery Machine

- Twin turbo dual piston design
- Safety High Pressure switch
- Simple internal structure for field service
- Spark free compressor for use with R1234YF refrigerants

### MSC69391 Spark Free Twin Turbo Refrigerant Recovery Machine for R1234YF

- SAE J2851 certified for the removal of contaminated R1234YF refrigerant
- Overfill cut off switch
- Double piston oil-less compressor
- Safety high pressure switch
- 30lb DOT tank

### MSC69400-CON R134A /R1234YF Contaminated Gas Removal Machine

- Dual R134A and R1234YF Contaminated refrigerant removal machine
- Twin turbo design
- 30 lb. DOT tank
- 12343A and 1234YF low side couplers
- Blue and yellow hoses with R1234YF conversion fitting

## RRR MACHINES - PORTABLE

**cps**®



### CPSAR2700M Multi Refrigerant Recovery, Recycling, Recharge Machine

- Semi automatic refrigerant recovery re-charge
- Can be used for all refrigerants
- 1/3 HP compressor
- Pump down valve to clear machine for new refrigerants
- Incorporated ball valves with full 1/4" holes that do not care about sealants, and dirt like solenoids do
- Full metal construction for years of service and to stand up to shop use
- Full 1/3 hp hermetically sealed compressor for years of service with oil separation with manual oil drain
- Includes a 50lb tank that will hold a full 30lbs virgin refrigerant tank as well as have room to recover refrigerant from cars. Comes with 8 foot hoses and manual couplers
- 2 year limited warranty



**ROBINAIR**®



### ROB17800C Refrigerant Recovery/ Recycling/Recharge Machine for Multiple Refrigerants

- Recovers, recycles, evacuates, and recharges R12, R134A, R22, R502 MP and HP blends, and many more
- Ideal for refrigerated trailers, buses, RVs with multiple refrigerants
- Lockout panel prevents mixing of refrigerants
- Comes with two 50-pound tanks
- Internal clearing



### ROBRG3 RG3 Portable Refrigerant Recovery Machine

- Oil-less Compressor - Capable of recovering both liquid and vapor
- Handles Almost All Refrigerants - Works with all common CFC, HFC, HCFC Refrigerants including R-410A

### ROBRG6 Portable Refrigerant Recovery Machine

- Twin-Cylinder Design
- Oil-less Compressor - Capable of handling both liquid and vapor recovery



**Mastercool**®  
"World Class Quality"

**NEW**

### MSC91788 R134a Mobile AC Recovery Machine

- Robust steel framework (36 1/4 x 28 3/4 x 25")
- 4 extra-large 10" pneumatic off-road tires
- 4-way aluminum manifold (1/4" SAE fittings) with large 3 1/8" R134a gauges
- 240 lb capacity black series electronic charging scale with long lasting 9V battery
- 6 CFM, 2 stage black series vacuum pump
- Nylon barrier hoses with standard (1/4" x 1/4") fittings (200" blue and red, 72" & 36" yellow, 36" black)
- Meets EPA, SAE and UL requirements for containment of refrigerant
- R134a 1/4" FL-M manual couplers meet SAE, UL and EPA requirements for containment of refrigerant



### MSC69100-55R Complete Refrigerant Recovery System with 55100-R Leak Detector

- Auto high pressure cut off, auto low pressure cut off
- Works with all refrigerants
- 30 lb DOT tank with float switch
- High performance oil-less compressor
- Free 55100-R electronic leak detector



### MSC69365 Mastercool HD Recovery Machine with 50 lb. DOT tank

- Heavy duty bus and fleet applications
- Twin turbo dual piston operation
- Oil separator and filter
- Safety high pressure switch

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



### MSC69110 Portable A/C Recovery Unit

- Automotive and heavy duty operation
- 30 lb. DOT tank
- Heavy duty manual couplers and oil purge bottle
- 60" yellow and 72" red and blue
- SAE J2810 UL approved



**Mastercool**®  
"World Class Quality"

### MSC69000 Refrigerant Recovery System

- High performance 1/2 horsepower oil-less compressor
- Works with all refrigerants: CFC's, HCFC's, HFC's
- High volume cooling fan design
- Safety high pressure Cut-Off switch
- Automatic low pressure Cut-Off switch

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)





# TANKS & REFRIGERANT IDENTIFIERS

## TANKS

# ROBINAIR®

### Robinair® Refrigerant Tanks

- ROB17121** – 30 lb. tank, 1/4" fittings (25150, 25175, 25200B, 34234, 34300-2K, 34800 series)
- ROB17506** – 50 lb. tank, 1/4" fittings (17800A, 17800-2K, 17700A, 25150, 25175, 25200B series)
- ROB17605** – 30 lb. tank with float switch (17650A series)
- ROB17572** – 50 lb. tank with float switch. (17800C series)
- ROB34102** – 30 lb. tank for R134A (34234, 34300-2K, 34800, 34134A, 34134-2K series)
- ROB34750** – 50 lb. tank for R134A (34700, 34888HD series)



ROB34102



ROB34750



ROB17121  
ROB17605



ROB17506  
ROB17572



### Mastercool® Refrigerant Tanks

- MSC63010** – 50 lb. Dot Tank without Float Switch
- MSC66011** – 50 lb. Dot Tank with Float Switch
- MSC67010** – 30 lb. Dot Tank with Float Switch



MSC66011



MSC67010

# cps®

### CPS® Refrigerant Tanks

- CPSCRX400T** – 50 lb. Dot Tank
- CPSCRX430T** – 30 lb. Tank
- CPSCRX400TS** – 50 lb. Tank with Float Switch

# ROBINAIR®

### ROB10994 Heater Blanket

- Speeds charging by maintaining a constant temperature, thus creating a positive pressure between the refrigerant tank and the A/C system
- Fits 30 and 50 pound refrigerant tanks, R12, R22 and R134A
- Thermostat is set at 125°F (55°C)
- Thermal cut-off switch



## REFRIGERANT IDENTIFIERS & ANALYZERS

# ROBINAIR®

### ROB16990 R-ID Refrigerant Analyzer

- Quickly and accurately determine refrigerant purity
- Displays amount of R1234YF, R134A, R12, R22 and Hydrocarbons in percentage
- Displays % air in pure R1234YF & R134A Capable of testing R12 with optional R12 hose
- Improved oil resistance with user replaceable oil restrictor

### ROB16995 R-ID Plus Refrigerant Analyzer

- Quickly and accurately determine refrigerant purity
- Displays amount of R1234YF, R-134A, R12, R22 and Hydrocarbons in percentage
- Displays % air in pure R1234YF & R134A
- Capable of testing R12 with optional R12 hose
- Large color display
- Easily print test results with built in printer
- Battery powered with internal lithium battery
- Ergonomic design with protective boot
- Improved oil resistance with the user replaceable oil restrictor
- Comes with an internal printer to print final test results



# Mastercool® Inc.

"World Class Quality"

### MSC691234YF-MINI Identifier for R1234YF Refrigerant

- Pass/Fail 95% purity
- Excess air warning
- UL, CE, RoHS compliant
- Visual indicators
- Manual pump aspirator



### ROB16009 DiscovR R134A Refrigerant Identifier

- Uncover hard to find air contamination - DiscovR refrigerant identifier notifies you when the system contains excessive air
- Fast and accurate - "Pass" and "Fail" lights clearly show if refrigerant is pure enough to be recovered
- Input power: 12VDC
- California approved



### MSC69134-A R134A Refrigerant Identifier

- 95% pass R134A
- Helps confirm the presence and quality of R134A refrigerant in vehicle air conditioning systems
- Quick accurate test to protect recycling equipment
- Excess air warning
- Sturdy construction with protective rubber boot





R1234YF

## cps®

### BLACKMAX™ BLACK & CHROME SERIES

#### CPSMAID8QYF BlackMax™ R1234YF Manifold Gauge Set

- 2-valve black anodized aluminum block body for R1234YF
- Triple seal piston valves
- 8 foot hoses
- 2 1/2 silicon dampened; 1.6 accuracy



#### CPSMAID8QDL BlackMax™ Series Dual R134A and R1234YF Manifold Gauge Set

- 2-valve black anodized aluminum block body for R134A and R1234YF
- Triple seal piston valves
- 8' hoses
- 2 1/2 silicon dampened; 1.6 accuracy
- Made for both R134A and R1234YF refrigerants



## ROBINAIR®

#### ROB42160 Gas Manifold Pressure Test Kit

- Use this handy kit to measure natural gas or LP gas pressure across appliance manifolds from 0-35" of water column
- Test gas stoves, furnaces, dryers and other gas appliances
- Diaphragm gauge is calibrated in inches of water column, also shows ounces per square inch
- Includes fitting for quick connection to the appliance manifold



#### ROB41234 R1234YF Manifold and Hose Set

- Oversized gauges
- R1234YF manifold and vehicle couplers
- 72" high quality Goodyear hoses



A convenient kit to use to diagnose a vehicle's A/C system if your don't have the necessary RRR machine, or if the RRR machine is being used to service another vehicle. Works on A/C systems that use the new R1234YF refrigerant

## cps®

#### CPSMTHF0134 Aluminum Block A/C Manifold Gauge Set, for R134A and HF01234YF

- Aluminum Block A/C Manifold Gauge Set, for R134A and HF01234YF, 72" Hoses, Manual Couplers



## FJC

Air Conditioning Products  
Tools, Equipment & Refrigerant

#### FJCKIT6850 R1234YF Manifold Set with FREE Thermometer

- Kit includes: R1234YF Aluminum Manifold, 72" hoses, Manual Couplers, Plastic Case and FREE Non Contact Laser Thermometer



#### FJC6855 2 Piece Dual Manifold Gauge Set in Case

- Includes the R1234YF and the R134A
- Comes with carrying case
- 72" hoses



#### FJC2805YF R1234YF Refrigerant Check Gauge

- Check pressure before charging
- Convenient Size



#### FJC6852 Manifold Gauge Set R1234YF

- R1234YF aluminum manifold gauge set with manual couplers and charging hoses
- Hoses are 72"
- Easy to read



R1234YF

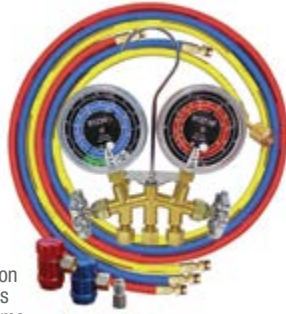


## Mastercool<sup>®</sup> Inc.

"World Class Quality"

### MSC81661 R1234YF Brass Gauge Set with 60" Hoses And Manual

- Manual couplers with extended protection sleeve
- 3 1/8" large gauges
- PSI and BAR units of measure
- Red & blue nylon barrier hoses with 12mm-M fittings on both sides meets SAE J2888, EPA, SAE & UL standards
- Yellow hose 12mm fitting on one side and 1/2 x 16 acme LH on the other meets SAE J2888
- R1234yf high and low side couplers with extended disconnect protection sleeve meets SAE J639 & J2888
- Easy to recalibrate 3 1/8" gauges to ensure accuracy



### MSC83272 R1234YF Aluminum Manifold Gauge Set

- Heavy duty aluminum block and manual couplers
- 72" 1234yf set of hoses
- Optical sight-glass for visual verification of refrigerant flow
- Packaged in a heavy duty clam shell



**WARNING:** Cancer and Reproductive Harm  
- www.P65Warnings.ca.gov

### MSC82172 Black Series Mini-Fold R1234YF Compact 2-Way Aluminum Manifold

- Compact black anodized aluminum block with matte chrome fittings offer an extremely portable solution to fit the needs of every busy technician
- Easily perform pressure/temperature calculations for up to 91 different refrigerants including R134a, R410a and R22 refrigerants
- Unit conversion between MPa, kPa, bar, psi, kg/cm2, inHg



### MSC89661-AYF R134A / R1234YF Dual Aluminum Gauge Set

- Dual 134A and 1234YF gauge set
- 1 set of manual 134A couplers
- 1 set of Manual 1234YF couplers
- 1234YF hose conversion adapters
- 1234YF tank adapter • 60" hoses



### MSC66661-AYF R134A / R1234YF Dual Brass Gauge Set with 60" Hoses

- Dual 134A and 1234YF gauge set
- 1 set of 134A standard couplers
- 1 set of 1234YF standard couplers
- 1234YF hose conversion fittings
- 1234YF tanks adapter • 60" hoses



**WARNING:** Cancer and Reproductive Harm  
- www.P65Warnings.ca.gov

R134A

## FJC

Air Conditioning Products  
Tools, Equipment & Refrigerant

### FJC6760SPC60 R134A Aluminum Block Manifold Gauge Set with Case

- Aluminum block design with sight glass
- Anti-flutter design
- Additional access port
- 60" hoses and quick couples



## cps<sup>®</sup>

**BLACKMAX<sup>®</sup>**  
BLACK & CHROME SERIES



### CPSMAID80Z Blackmax<sup>™</sup> Chrome Manifold Gauge Set in Collector's Tin

- Non-flutter gauge
- Rugged chrome metal housing
- Anodized aluminum block body
- 8' black non-permeating hoses with manual couplers
- Collector's Edition tin case



R12 & R134A



## Mastercool<sup>®</sup> Inc.

"World Class Quality"

### MSC66661

#### Brass Manifold Gauge Set for R134A with 60" Hoses

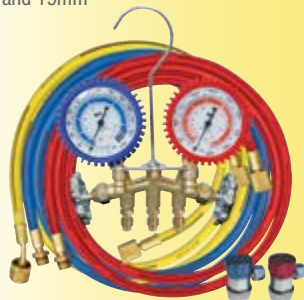
- Anti-flutter gauges smooth needle movement
- Extra access port for vacuum line
- Yellow hose includes shut-off valve
- Piston type free-floating valves reduce O-ring wear
- 60" Nylon barrier hoses meet EPA, SAE and UL standards
- Coupler sizes: 14mm, 15mm, 16mm, 17mm, 18mm and 19mm
- Standard R134a couplers



### MSC84772G

#### Brass R134A 2 Way Manifold Gauge Set with 72" Hoses

- Large, angled all-metal handles
- Floating piston, double O-ring valves for long service life and smooth operation
- Silicone-dampened gauges smooth out needle movement
- Gauges can be recalibrated in the field to maintain accuracy



### MSC84472

#### Black Series Mini-Fold R134a Compact 2-Way Aluminum Manifold

- Compact black anodized aluminum block with matte chrome fittings offer an extremely portable solution to fit the needs of every busy technician
- Easily perform pressure/temperature calculations for up to 91 different refrigerants including R134a, R410a and R22 refrigerants

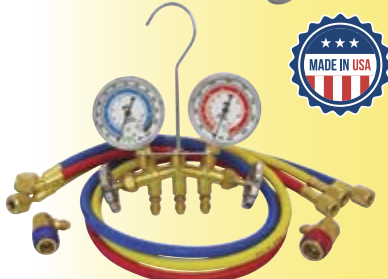


### MSC66773

#### Dual R12/R134A

#### Brass Manifold Gauge Set

- Anti-flutter silicone dampened gauges smooth out needle movement
- Easy-grip all metal side mounted knobs
- Includes set of standard R134a couplers
- Gauges can be re-calibrated to maintain accuracy



### MSC98772

#### Dual Brass Manifold Gauge Set

- R12 and R134a • Manual shut off valves
- Manual style, high quality couplers
- Large 2-1/2" gauges
- Includes (3) 72" barrier hoses



### MSC89660-UV

#### R134A Aluminum Manifold Gauge Set with 60" Hoses and Standard Couplers

- Aluminum block with sight glass
- Easy to recalibrate, anti-flutter gauges
- Standard couplers
- SAE certified 134a 60" hoses
- Includes free 10 application mini dye injector

### MSC89660-PRO5

#### R134A Aluminum Manifold Gauge Set with FREE 85530 3-in-1 Side Can Tap

- Professional extruded aluminum block
- Silicone dampened, recalibrate-able gauges
- 3 - SAE approved nylon barrier hoses
- Professional R134a couplers
- Constructed of the finest materials and machined with precision to the highest quality standards
- FREE 85530 3-in-1 Side Can Tap



### MSC98660-PR0M

#### R12/R134A Dual Aluminum Manifold with 3-in-1 Can Tap

- Professional extruded aluminum block
- Silicone dampened, re-calibrated gauges
- Set of 3 - R134a nylon barrier hoses
- Set of 3 - R12 nylon barrier hoses
- Custom molded carrying case



### MSC89661-UV

#### R134A Aluminum Manifold Gauge Set with 60" Hoses and Manual Couplers

- Aluminum block with sight glass
- Easy to recalibrate, anti-flutter gauges
- Heavy duty manual couplers
- SAE certified 134a 60" hoses
- Includes free 10 application mini dye injector

### MSC98661-PR0

#### Dual R12/R134A 2-way Manifold Gauge Set with FREE 85530 3-in-1 Side Can Tap

- Professional extruded aluminum block
- Silicone dampened, recalibrateable gauges
- Set of 3 - R134a nylon barrier hoses
- Set of 3 - R12 nylon barrier hoses
- Manual Couplers
- FREE 3-in-1 side can tap





# MANIFOLD GAUGE SETS & HOSES

R12 & R134A

## ROBINAIR®



- ROB45111**  
**A/C R134A Manifold Gauge Set with 72\"**
- Brass manifold with easy-to-grip handles
  - R12/R134a gauges display PSI, and °F Temp
  - 90° manual couplers
  - Rear R134a and 1/2\"
  - 72\" R134a hose set (1/2\" ACME x 14mm)



- ROB49134B**  
**R12 and R134A Aluminum Manifold Set**
- 90° manual couplers
  - 60\" R134a and R12 SAE hose set

**ROB44150**  
**Dual AC R12 and R134A Brass Manifold Gauge Set**

- R12/R134a gauges display PSI and °F Temp
- Brass manifold with easy-to-grip handles
- 72\" R134a hose set (1/2\" ACME x 14mm)
- 72\" R12 hose set (1/2\" ACME x 1/4\" MFL)
- Also includes rear R134a and 1/2\" ACME fittings for holding hoses, and 90° manual couplers



**ROB49134A**  
**R134A Aluminum Manifold Gauge Set and Hoses**

- 60\" R134a and R12 SAE hose set
- A/C service manifold for use on R12 and R134a A/C systems



- ROB48134A**  
**R134A Brass Manifold and Hose Set**
- 90° manual couplers
  - 60\" R134a hose set
  - 1 year warranty A/C service manifold for use on R134a A/C systems

- ROB48510**  
**R134A Manifold Hose Kit**
- 90 degree manual couplers
  - 72\" R134a hose set (1/2\" ACME x 14mm)



**ROB48134B**  
**R12 and R134A Brass Manifold Set**

- 90° manual couplers
- 60\" R134a and R12 SAE hose set
- Easy to grip handles



- ROB11794**  
**Universal R-134A/R22 Low Side Gauge**
- PSI/kPa pressure readings
  - R-22 and R-134a temperature readings in degrees Celsius
  - Replacement gauge that replaces 11692

- ROB11795**  
**Universal 134A/R22 High Side Gauge**
- Psi/kPa pressure readings
  - R-22 and R-134a temperature readings in degrees Fahrenheit



HOSES - R1234YF

## FJC

Air Conditioning Products  
Tools, Equipment & Refrigerant

**FJC6845**  
**U-Charge Hose with Coupler**

- R-1234yf charging hose for use with self-sealing valve can tap



## FJC

Air Conditioning Products  
Tools, Equipment & Refrigerant

- FJC6846**  
**R-1234yf Service Hose and Gauge**
- For use with R-1234yf
  - Quick and accurate filling



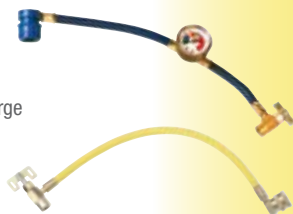
R12 &amp; R134A

**FJC**

Air Conditioning Products  
Tools, Equipment & Refrigerant

**FJC6037**
**U-Charge Hose with Gauge**

- For self-sealing valve cans
- Monitor pressure for correct charge


**FJC6045**
**U-Charge Hose with Gauge**

- For self-sealing valve cans


**Mastercool®**  
"World Class Quality"

**MSC84372**
**72" R134A A/C Hose Set**

- Meet SAEJ2196 specifications and are UL recognized
- Tested for working pressure of 600 PSI and burst pressure of 3,000 PSI
- Blue and red hoses include male 14mm x 1.5 and 5" ACME-F fittings • 1 yellow with shut-off valve

**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

**ROBINAIR®**
**ROB31096**
**Yellow Hose 1/4" x 1/4 R12**

**ROB39072A**
**R12 Hose Set with Quick Seal Ends**

- 3 A/C Hoses with Quick-Seal Fittings
- Set includes: 72" long yellow, blue and red hoses
- For use with R-12, R-22, R-500 and R-502
- Works with most A/C manifold gauge sets


**ROB61096**
**R134A 96" Yellow Hose**

- 1/2" ACME x 1/2" ACME
- Built for long life and dependability
- Strong six-sided crimp provides a reliable connection between the hose and barb, even at maximum pressure
- The coupler nuts are deeply knurled for quick finger tightening
- Meets all specifications for low permeation construction


**ROB61072**
**72" R134A Enviro-Guard Yellow Hose**

- 1/2" ACME x 1/2" ACME
- Strong six-sided crimp provides a reliable connection between the hose and barb, even at maximum pressure
- The coupler nuts are deeply knurled for quick finger tightening
- Meets all specifications for low permeation construction
- 740 PSI working pressure; 3700 PSI burst pressure


**ROB62121**
**96" A/C Environ-Guard Hose for R134A**

- Constructed of a special barrier material which prevents virtually any permeation of refrigerant, yet remains flexible
- Meets all specifications for low permeation construction
- Clearly marked for R134a
- 14mm x 1/2" ACME
- 740 PSI; 3700 PSI burst pressure


**ROB64240**
**20' Hose Set for R134A 14mm**

- 240" Long
- Includes red and blue hoses
- 740 PSI working pressure; 3700 PSI burst pressure


**ROB63096**
**96" R134A Red Hose**

- Red 96" A/C hose for R134a
- Fits most A/C manifold or recharging and recover machines
- An excellent replacement for shorter standard length A/C hoses


**ROB60096**
**96" R134A Hose Set**

- 8' long replacement hoses for R134a manifold gauge sets
- 1 each color-coded red, yellow and blue hose
- A must have when working on heavy duty trucks, buses and reefers


**ROB30072**
**72" A/C Charging Hoses Set with 1/4" Standard Fittings**

- (500/2500 PSI) – 72", 1/4" SAE internal fitting x 1/4" SAE internal
- For R12, R22, R502 Neoprene coated for flexibility and wear resistance
- With valve core depressor and a 45° bend on one end for convenient access to the system
- 500 PSI working pressure, 2500 PSI burst pressure


**ROB34722**
**Replacement Hose Set for 34788**

- For recharging models 34788, 34288, 34134Z
- Enviro-Guard Hoses for Automotive R-134a. Enviro-Guard Hoses are constructed of special barrier material which prevent virtually any permeation of refrigerant, yet remains flexible
- 740 psi working pressure, 3700 psi burst pressure


**ROB70020**
**Blue Service Hose**

- Service Hose without Coupler (low-side, blue)


**ROB70021**
**Red Service Hose**

- Service Hose without Coupler (high-side, red)


**ROB71789**
**Hose Set (34788NI, 34788NI-H)**

- High & low side system hose set
- For 34288NI, 34788NI, 34788NIH, 34988NI unit


**UVU471546**
**Hawkeye Jr. R134A Adapter Replacement Hose**

# FJC

**Air Conditioning Products  
Tools, Equipment & Refrigerant**



### FJCKIT6

#### Vacuum Pump and Manifold Gauge Set

- Vacuum pump has Twin Port Technology™
- Aluminum block manifold gauge with sight glass
- Anti-flutter design with additional access port
- Kit Contains: FJC6909 - 3.0 CFM vacuum pump; FJC6761B - R134a aluminum manifold with 72" hoses and quick couplers.



**WARNING:** Cancer and Reproductive Harm  
- www.P65Warnings.ca.gov



### FJC6930

#### R1234YF / R134A

#### Vacuum Pump 5.0 CFM

- Lightning fast design removes moisture and non-condensable gases that can destroy any A/C or refrigeration system
- Sparkproof design approved for use in recycler cabinet
- Twin Port technology



**WARNING:** Cancer and Reproductive Harm  
- www.P65Warnings.ca.gov



### FJC9281YF

#### R1234YF Vacuum Pump & Manifold Set

- Aluminum Manifold Gauge Set
- Quick Couplers • 72" hoses
- Spark Proof Pump for R-1234yf and R-134a systems



**WARNING:** Cancer and Reproductive Harm  
- www.P65Warnings.ca.gov

## VACUUM GAUGES

# cps®



### CPSVG200

#### Vacuometer Vacuum Gauge with Digital Display

- Individually calibrated to strict NIST standards with accuracy of  $\pm 10\%$  of reading
- Incorporates surface mount technology
- Automatically compensates for ambient temperature changes
- Selectable measurement units in Microns, Torr, in/hg or mBar
- Field cleanable sensor with extended range from atmosphere down to 0 microns

# cps®



### CPSVG200W

#### Vacuum Gauge

- Wireless digital LCD display
- Easy 2 button control
- Obtains accurate vacuum measurements during evacuation of HVAC and refrigeration systems
- Standalone or pair with a mobile device



## VACUUM PUMPS

# cps®



## CPSVP2S

### 2 CFM Vacuum Pump

- Single Stage Vacuum Pump, 2 CFM, 1/5 HP, 100 Microns, Dual Voltage 115 VAC/230 VAC, Oil Sight Glass

## CPSVP4S

### 4 CFM Single-Stage Dual Voltage Vacuum Pump

- Exceptional ultimate vacuum rating as low as 50 microns
- Advanced air cooled motor design for operation in high ambient temperatures
- Proprietary oil mist free exhaust port cap for clean, safe job environment
- Multiple port connections for 1/4", 3/8" and 1/2" ACME

## CPSVP6S

### 6 CFM Single Stage Vacuum Pump

- 5.85 CFM single stage vacuum pump with a 1/3 HP motor
- Large oil sightglass to give you a better indication of the condition of the oil
- Dual voltage 110V-220V 60/50hz with built fuse
- Three fitting connection 1/4" SAE x 3/8" SAE x 1/2" ACME with plastic caps



## CPSVP6D

### 6.0 CFM 2-Stage Vacuum Pump

- 6.25 CFM 2-stage vacuum pump with a 1/2 HP motor
- Dual voltage 110/220 - 60/50hz with fuse
- Advanced 2-stage design pulls deep vacuum fast to 15 microns
- 3-fitting connection 1/4" SAE x 3/8" SAE x 1/2" ACME with plastic caps
- Rubber molded base for quieter running pump

## CPSVPC2SU

### Premium Compact 2 CFM 1 Stage Vacuum Pump

- Ultra compact design 9" long, 5" wide; 9 Lbs 2 year warranty
- Oil mist preventer cap with extra large sightglass
- 2 CFM single stage 1/5 hp @ 115 volts
- 1/4" SAE and 1/2" ACME fitting
- High performance deep vacuum cartridge to help speed evacuation gives up to 75 microns ratings



# FJC

**Air Conditioning Products  
Tools, Equipment & Refrigerant**



## FJC6905

### 1.5 CFM Vacuum Pump

- Two-stage performance using Twin Port Technology™
- Lightning fast design removes moisture and non-condensable gases that can destroy an A/C system
- Durable construction for long-life use
- Tested - proven - reliable

## FJC6909

### 3.0 CFM Vacuum Pump

- Two-stage performance using Twin Port Technology™
- Lightning fast design removes moisture and condensation
- Tested for proven reliability
- Motor RPM: 1725
- Voltage: 115V, 60HZ
- Fitting Size: 1/4" MF x 1/2" ACME
- Micron Rating: 75



## FJC6912

### 5.0 CFM Vacuum Pump

- Two stage performance using twin-port technology
- Lightning fast design removes moisture
- Removes noncondensables gases that can destroy A/C system
- Lightweight and durable



## FJC2200

### FJC Vacuum Pump Oil, Quart

- Meets specifications for all Rotary Vane Vacuum Pumps
- 5,200 BTU heater provides supplemental zone heating for up to 1,000 square feet
- The infrared heat helps to maintain the natural humidity within the air, resulting in moist, comfortable heat without drying out the room's air





**Mastercool<sup>®</sup> Inc.**  
*"World Class Quality"*



### MSC90058-AUT-5A

**18 Volt Cordless, 1.5 CFM, 2 Stage Vacuum Pump, 5 Amp Battery**

- Equipped with our exclusive oil mist free exhaust port
- Sure-Grip handle, ergonomically designed for superior comfort and portability
- Reinforced base provides extreme shock resistance

### MSC90059-B Heavy Duty 1.8 CFM Deep Vacuum Pump

- High volume fan provides cool air to motor and pump
- Vapor discharge / oil fill port
- "T" fitting with 1/4" flare and 1/2" ACME ports
- Cooling fins to keep temperature cooler during extended motor operations
- Manifold valve isolates pump from the system while checking for leaks



### MSC90062-B 3 CFM Deep Vacuum Pump

- Vapor discharge / oil fill port with check valve prevents oil loss
- "T" fitting for 1/4" and 1/2"
- High volume fan provides cool air to motor and pump
- Cooling fins keep temps lower during extended operation



### MSC90065 5 CFM 2 Stage Vacuum Pump

- This model is an excellent choice for small to medium sized systems (2.5 lb to 10 lb charge capacity). This two stage pump features a manifold valve to isolate it from the system and three inlet ports: 1/4" FL, 3/8" FL and 1/2" ACME (for automotive R134a systems).



### MSC90066-B 6 CFM Single Stage Deep Vacuum Pump

- Free Air Displacement: 6 CFM
- Ultimate Vacuum: 80 Microns
- Motor: 1/3 HP
- Pump Speed: 1720 RPM
- Electrical Specs: 110/120V - 60 HZ



### MSC90066-2V-110-B 6 CFM 2 Stage Vacuum Pump

- Free air displacement: 6 CFM
- Ultimate vacuum: 15 microns
- Motor 1/2 hp, pump speed 1720 rpm, electrical specs 110/220v 60hz, 110 v cable (us standard)



### MSC90068-2V-110-B 8 CFM 2 Stage Deep Vacuum Pump

- Free air displacement: 6 CFM
- Ultimate vacuum: 15 microns
- Motor 1/2 hp, pump speed 1720 rpm, electrical specs 110/220v 60hz, 110 v cable (us standard)

### MSC90032 32 oz. Bottle Vacuum Pump Oil

- Frequent oil changes will reduce vacuum pump failure and extend the pump life
- Laboratory tested; resists breaking down
- Thermally stable • High viscosity



## VACUUM PUMPS

# ROBINAIR®

**ROB34970****Air Vac for R12 and R134A**

- Fast, efficient air operated vacuum pump
- Rugged Lexan case is both oil and scratch resistant and comes with a convenient handle
- Compressed air driven, no oil or moving parts to replace
- 1 CFM • 1/4" Flare and 1/2" ACME fittings

**ROB15115****VacuMaster 1.5 CFM Single Stage Pump**

- 1.5 CFM free air displacement
- 110-volt, single-stage design
- 1/4" flare & 1/2" ACME intake ports
- "No-Hassle" over-the-counter replacement warranty
- 115 microns ultimate vacuum

**ROB15310****VacuMaster 3.0 CFM Single Stage Pump**

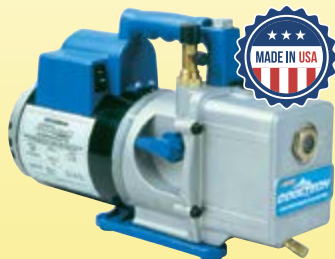
- 3 CFM free air displacement
- 110-volt, single-stage design
- 1/4" flare & 1/2" ACME intake ports
- 75 microns ultimate vacuum
- "No-hassle" over-the-counter replacement warranty

**ROB15400****2 Stage 4CFM NS 60hz Vacuum Pump**

- Features Gas ballast
- 1/4" and 1/2" MFL intake fitting
- 2-stage
- 15 microns ultimate vacuum
- Made in USA

**ROB15600****CoolTech 6.0 CFM Two-Stage Vacuum Pump**

- Iso-Valve™ isolates pump from system, making it easy to measure rate of rise
- Two-stage design means faster and higher vacuum level
- Inlet feature prevents pump contamination
- Gas ballast keeps oil clean and dry
- 15 microns ultimate vacuum

**ROB15120A****CoolTech 10 CFM Two-Stage Vacuum Pump**

- Two Stage Rotary Vane
- 1/2 HP Motor
- 16.5 oz Oil Capacity

**ROB15150****1.5 CFM 2 Stage Vacuum Pump**

- 1/4 HP Motor • 7.4 oz Oil Capacity
- Designed to determine the oxygen content of the exhaust gas
- Improves fuel economy and lowers emission
- Facilitate easy installation
- Corrosion resistant nickel plated finish

**ROB15300****VacuMaster 3.0 CFM Vacuum Pump**

- 115-volt, 2-stage design
- Heavy duty motor - high torque design for easy start up
- Diecast aluminum housing
- Lifetime filtration - the intake filter prevents foreign matter from entering the pumping chamber, and an internal exhaust filter separates oil vapor from the exhaust flow
- "No-hassle" over-the-counter replacement warranty
- 35 microns ultimate vacuum

**ROB15500****VacuMaster 5.0 CFM Vacuum Pump**

- 115-volt, 2-stage design
- Heavy duty motor - high torque design for easy start up
- Diecast aluminum housing • Lifetime filtration
- "No-hassle" over-the-counter replacement warranty
- 35 microns ultimate vacuum

**ROB15800****VacuMaster 8.0 CFM Pump**

- 115-volt, 2-stage design
- Heavy duty motor - high torque design for easy start up
- Diecast aluminum housing
- Lifetime filtration
- "No-hassle" over-the-counter replacement warranty
- 35 microns ultimate vacuum

**Premium High Vacuum Pump Oil**

- Engineered to maintain maximum viscosity at high running temperatures
- Thermally stable and long lasting
- Lower moisture content than other oils
- Works with most A/C vacuum pumps

**ROB13204 - 1 Gallon Case of 4****ROB13203 - 1 Quart Case of 12****ROB13119 - 16 oz. Case of 12****ROB15371****Oil Filler Plug**

- Fits 1-1/4" hole
- Push-in attachment





# SCALES & SYSTEM FLUSHING

## SCALES

### FJC

Air Conditioning Products  
Tools, Equipment & Refrigerant



#### FJC2850

##### Heavy Duty Diecast Aluminum Refrigerant Scale

- 9" x 9" Platform
- 175 pound capacity (80 kg)
- Extra large LCD display lbs./oz./kg.
- ABS carrying case
- 9V battery included

### cps®



#### CPSCC220

##### Compact High Capacity Charging Scale

- Capacity: 220 lb.
- Accuracy: .015% of reading
- Fully enclosed and removable metal scale platform enables use of product in or out of the protective case
- Large, highly visible 1-1/2" x 2" / 37mm x 48mm high resolution LCD readout
- Includes automatic off feature



#### TIF9010A

##### "Slimline" Electronic Refrigerant Charging Scale

- Features touch key controls, auto zero, three display modes - lbs./oz., decimal lbs., kilograms; very high resolution 0.1 oz./0.005 lbs./2 grams; 110 Pound/50kg capacity
- For use with all refrigerant types; removable control box has a convenient prop stand/hanging hook for placement where you wish

#### TIF9030

##### Compact Refrigerant Scale

- 3 Control keys: ON/OFF, automatic zeroing and measurement units
- Display provides lbs/oz; decimals lbs. and Kilograms measurements
- High accuracy ( $\pm 0.5$  oz) and resolution (0.1oz)
- 9V battery powered
- Charging and recovery capabilities



## SYSTEM FLUSHING

### cps®



#### CPSAFM100

##### AC Flush Machine

- Air operated fast and easy to use
- AC complete system or component flush machine
- Uses our own innovation in design universal flush adapters
- Only 2 adapters are required to service 98% of the vehicles and vehicle components on the market today
- Capable of "FORWARD" and "REVERSE" flushing as well as a unique "FLUSH HOLD" feature allowing the solution to "SOAK" a component before flushing.
- 2 1/2 gallon internal tanks makes the unit an excellent choice for both heavy and light duty flushing applications
- Extra Long 8' clear braided hoses included with the machine
- Easy to clean visible stainless steel filter for capturing large particulate
- All steel construction • 1 year warranty

### ROBINAIR®



#### ROB17580

##### A/C System Flusher

- Closed Loop - Circulates solvent continuously through components (adapters are needed)
- Pulsing Action - Loosens dirt, corrosion and other debris; by switching the hoses, you can also back flush
- Air Agitation Needle Valve - Bubbles air into liquid stream to enhance cleaning action
- Hose Adapters - Contains adapters to mate with 1/4" flare and 3/8" quick disconnect fitting kits
- Sight Glass - Tank level sight glass for easy filling

#### ROB17595

##### A/C Flush Gun Kit

- The flush gun uses dry shop air to pressurize the solvent
- The attached nozzle directs the flow of solvent without spray-back



#### ROB17607

##### Universal A/C Flush Kit

- Kit includes clamping assembly
- Support plates - 2 x 1/2", 5/8", 3/4", 7/8" no slot - OD tubes.



### Mastercool® Inc.

"World Class Quality"



#### MSC69900

##### Automotive AC Flush Machine

- Stainless steel ball valve control
- External shop air or nitrogen bottle connection
- Pump equipped with mechanical seal and PTFE gasket
- Mechanical filter at suction side
- Designed with durable roll away wheels and handle

#### MSC91046-A

##### A/C System Flush Kit

- Includes flush gun, hose, canister and canister adapter

**WARNING:** Cancer and Reproductive Harm  
- www.P65Warnings.ca.gov



#### MSC91049-128-4

##### A/C Flush Solvent 1 Gallon Bottle, Pack of 4



**cps®**
**CPSTACI-100**  
**Air Conditioning System**  
**Performance Inspector**

- Accurately measure and record: Temperature and Relative Humidity

**STEELMAN® PRO****JSP79041****Thermal Imaging Inspection Camera**

- 2.4" High Resolution Display
- -4° to 572°F (-20° to 300°C)
- Resolution of Infrared image: 60 X 60 (3600 pixels)
- Dual camera lenses blend visible and IR images for easy target recognition
- Stores images on 8GB Micro-USB card (Up to 32 GB)



**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**LANG TOOLS**  
Professional Tools For 4 Generations**KAS13800****Digital Folding Pocket Thermometer**

- Large display for easy viewing
- Magnetized backing for hands-free operation
- Min/Max gives recording of temperature extremes
- 3 year warranty

**WARNING:** Cancer and Reproductive Harm  
- [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**K TOOL INTERNATIONAL****KT178400****Digital Infrared Thermometer**

- High distance-to-spot ratio (D : S = 12 : 1)
- Measurement range: -50°C to 600°C (-58°F to 1112°F)
- 9V battery powered (included)



**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**K TOOL INTERNATIONAL****XD****KTIXD275****Thermal Image Camera**

- 2.4" Large LCD display
- 240x320 pixel Color LCD
- 120x90@17µm IR Resolution
- 25Hz frame rate

- Display radiometric data of 10,800 pixels instantly
- Temperature Range -4°F to 752°F (-20°C to 400°C)



**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)


**Mastercool® Inc.**  
*"World Class Quality"*
**MSC52220**  
**Pocket Analog**  
**Thermometer**

- Range from 0° to 220° F
- Heavy duty metal construction

**MSC52223-A****Pocket Digital Thermometer**

- Temperature range: -58° to 302° F
- Includes pocket holder and clip
- 1" dial size • Heavy duty construction

**MSC52225-MED****Medical Grade Thermometer**

- Surface temp thermometer -7 to 176F
- Fever Alarm • 1 second response time
- Non-contact for hygiene and comfort

**MSC52234-BT****Digital thermometer / Hygrometer with BT app**

- Dry bulb / wet bulb and RH readings
- BT app for IOS and Android
- Verify temps with gauge pressure readings
- Fits securely in dashboard vent


**Mastercool® Inc.**  
*"World Class Quality"*
**MSC52224-CC****Laser IR Thermometer**

- Measures from -76° to 1022°F
- Field Of View: 12 : 1 • Emissivity: 0.95
- Backlit LCD Color display
- Target Indicator: Circular Laser
- Resolution: 0.1°F / 0.1°C
- Accuracy: ±2°C (4°F) or ±2% of reading

**MSC52224A-SP****Infrared Thermometer in Case**

**with FREE MSC52220 1" Analog Thermometer**

- Measures from -40° to 932° F, non-contact temperature readings
- 12:1 distance to spot ratio
- Heavy-duty construction

**MSC52225A-SP****Dual Temp Infrared Thermometer/ Immersion Probe**

**with FREE MSC52220 1" Analog Thermometer**

- Measures from -76° to 1400° F
- Field of view: 30:1 distance to spot ratio
- Laser targeting, programmable high/low alarm, minimum/ maximum, lock mode, difference and average temperature mode. 3' thermocouple probe for all contact temps included



# THERMOMETERS, OIL INJECTORS & LEAK DETECTION R1234YF

## ROBINAIR®



**ROB10945**  
1-3/4" Dial Thermometer

- Easy to read 1-3/4" dial face
- 0° to 220° F



**ROB43230**  
Digital Swivel Head Thermometer

- Wide temperature range; highly accurate readings from -58° to 302 °F (+/-2°)
- Switch selects Celsius or Fahrenheit
- Sampling time is just one second, HOLD button retains reading in memory
- Easy-to-read display
- Durable case



**ROB10596**  
1" Dial Thermometer

- Easy to read -40° to +160° F
- Pocket-clip carrying case



### TIF7201

#### IR Thermometer

- Backlit LCD display with dual readings
- Celsius / Fahrenheit switch and MAX function
- Auto power off after 15 seconds
- Battery level indication
- Distance to spot (D/S): 1:1
- This Soc technology, System-on-a-chip technology is compact and lightweight



### TIT51408

#### High Temp Infrared Thermometer

- Temp range: -50 degree C to 650 degree C (-58 degree F to 1002 degree F)
- Built-in laser pointer
- Automatic selection 0.1 degree C/1 degree F
- Automatic data hold & auto power off



## OIL INJECTORS

## FJC

Air Conditioning Products  
Tools, Equipment & Refrigerant



**FJC2732**  
A/C Oil and Dye Injector R12 and R134A 2 oz.

- Hand turn
- 2 oz refillable injector
- Add oil or UV dye without adding refrigerant



### MSC82375

#### 2 oz. A/C Oil Injector R134A

- Rugged all metal 2 oz canister
- Adds oil by allowing vacuum to pull it in after evacuation or use refrigerant to push it in using the recharge process



### MSC53123

#### Refillable 2 oz.

#### Aluminum Dye / Oil Injection System

- Heavy duty aluminum construction
- Injects dye or oil into R12 or R134a systems



**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

## ROBINAIR®

### ROB19867

#### Oil Injector

- Sturdy Aluminum construction
- Add oil/dye to R134A systems
- 1/2" acme M x 1/2" acme F (134A)



### ROB16256

#### R-134a Oil Injector, 1/2" Acme Quick Coupler

- Can also be used for fluorescent dyes
- Measurements are marked on the barrel body
- Press the plunger to deliver the oil charge



### ROB18480

#### PAG Oil Injector

- R134A Oil Injector
- One year warranty
- Labeled for R134A PAG Oil
- Made in USA



### ROB18490

#### R134A Oil Injector

- Labeled for POE oil
- Suit hybrid and electric compressors
- One year warranty
- Made in USA



## LEAK DETECTORS - R1234YF



**Mastercool®**  
"World Class Quality"



### MSC55900

#### SAE Certified J2791 (R134A)

#### J2913 (1234YF) Leak Detector

- Detects all refrigerants as low as 1/10 oz. per year
- The 55900 meets and exceeds certification required by SAE for all refrigerants including the new R1234yf

**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

**TRACER PRODUCTS**  
THE MOST TRUSTED NAME IN AUTOMOTIVE LEAK DETECTION



### TRATPOPUV19

#### R1234YF/PAG A/C Dye UV Leak Detection Kit

- TPOPUV OPTI-PRO UV flashlight, GLO-AWAY Plus
- TP-9940 glasses and small green carrying case

**UViEW**



### UVU390200

#### Spotgun Jr. Universal Oil/UV Dye (1 oz.) Kit with UV Lite

- 1 Spotgun Injection System
- UV Phazer Leak Detection Lite (AAA battery)
- 2 (ea.) Low side service hoses
- 1 (ea.) R134a service coupler
- 1 (ea.) R1234YF service coupler
- 4 (ea.) 1 oz. cartridges of universal A/C oil
- 2 (ea.) 1 oz. cartridges of UV Extender
- 2 (ea.) 1 oz. cartridges of Leak Guard One Shot
- Plastic storage case



## LEAK DETECTORS - R1234YF



### UVU390200

#### Spotgun Jr. Universal Oil/UV Dye (1 oz.) Kit with UV Lite

- 1 Spotgun Injection System
- UV Phazer Leak Detection Lite (AAA battery)
- 2 (ea.) Low side service hoses
- 1 (ea.) R134a service coupler
- 1 (ea.) R1234YF service coupler
- 4 (ea.) 1 oz. cartridges of universal A/C oil
- 4 (ea.) 1 oz. cartridges of UV ExtenDye
- 2 (ea.) 1 oz. cartridges of Leak Guard One Shot
- Plastic storage case



### UVU490100

#### Spotgun Universal Oil/Dye (8 oz.) Kit for R134a/R1234YF without UV Lite

- 1 Spotgun Injection System
- 2 (ea.) Low side service hoses
- 1 (ea.) R134a service coupler
- 1 (ea.) R1234YF service coupler
- 4 (ea.) 8 oz. cartridges of universal A/C oil
- 2 (ea.) 8 oz. cartridges of UV ExtenDye
- Plastic storage case



### UVU490200

#### Spotgun Universal Oil/Dye (8 oz.) Kit Includes UV Lite

- (1) Spotgun Injection System
- (2) UV Phazer Leak Detection Lite (AAA battery)
- (3) 2 (ea.) Low side service hoses
- (4) 1 (ea.) R134a service coupler
- (5) 1 (ea.) R1234YF service coupler
- (6) 1 (ea.) 8 oz. cartridge of universal A/C oil
- (7) 1 (ea.) 8 oz. cartridge of UV ExtenDye
- Web Search Keywords



### UVU390100

#### Spotgun Jr. Universal Oil/UV Dye (1 oz.) Kit for R134A/R1234YF without UV Lite

- Spotgun Jr. Injection System
- 2 (ea.) Low side service hoses
- 1 (ea.) R134a service coupler
- 1 (ea.) R1234YF service coupler
- 4 (ea.) 1 oz. cartridges of universal A/C oil
- 2 (ea.) 1 oz. cartridges of UV ExtenDye
- Plastic storage case



### UVU471500YF Spotgun UV Injection System for 1234YF Systems

- Includes one 8 oz. cartridge of ExtenDye UV dye
- Includes 1234YF refill hose and adapter

### UVUFXP1

#### Promo Pack for FX1234 RRR Management Center

Includes:

- LDA1000H Electronic Refrigerant Leak Detector
- 381400 Jr. Oil Injections Kit (with Jr. Injector)
- (8) 1 oz. YF PAG Oil Cartridges and YF Hose)
- FX3030X1 Maintenance Kit
- TMDP Digital Vent Thermometer



**WARNING:** Cancer and Reproductive Harm  
- www.P65Warnings.ca.gov

## LEAK DETECTORS

# cps®



### CPSLDA1000H Refrigerant Leak Detector with UV Light

- Works with all refrigerants
- Certified SAEJ2791 for R134A and SAEJ2913 for HFO1234YF
- True UV light will work with all dyes
- Full 2 year warranty, including sensor tip

### CPSLDA1000H Electronic Leak Detector

# cps®

### CPSLS790B R12 and R134a Deluxe Leak Seeker® Detector

- Patented Ion-Pump sensor with built-in selective filter housing
- 0.25oz/yr (7g/yr) leak rate of HFC
- Over 100 computer generated tones varying in intensity with leak size
- 10 high-intensity bar graph display



### CPSNITROKITG Nitrogen Pressure Leak Test Kit with Regulator

- Test manifold with 0-200 PSIG gauge
- 6' Red service hose with 1/4" SAE female
- R134a Hi side snap coupler
- 25' coiled air hose assembly with 1/4" MPT x 1/4" coupler

# FJC

Air Conditioning Products  
Tools, Equipment & Refrigerant



### FJC5109

#### Nitrogen/Hydrogen Electronic Leak Detection System

- Deluxe H2/N2 Leak Detector, certified compliant with SAE J2790, works with both R-134a and R-1234yf
- Uses 95% Nitrogen /5% Hydrogen mixture to find leaks electronically
- 96" Red Service Hose, H2/N2 Regulator with 2" delivery and contents gauges
- R-134a and R-1234yf HS Manual Couplers with 1/4" MF

### FJC2713

#### FJC Nitrogen Pressure Tester

- T-Handle for ease of adjustment
- 2-1/2" easy-to-read gauges with rubber protectors, High pressure gauge 4400 psig (300 bar)
- Low pressure gauge 1000 psig (70 bar)
- Kit Includes: Nitrogen Pressure Regulator, Red Charging Hose, Leak Testing Adapter, R-134a HS Coupler and R-1234yf HS Coupler



### FJC4972YF

#### R1234yf Dye Kit Assortment

- 6 bottles of R-1234yf Dye
- Includes glasses and UV light



# Mastercool® Inc.

"World Class Quality"



## MSC53351

### Professional UV Leak Detection Kit

- Everything you need to start locating leaks sources with UV light technology
- Locate leak sources in A/C, automatic transmissions, power steering, fuel and cooling systems
- 12 Volt/50 watt UV leak detector light

Kit includes: 1 oz coolant dye, 1 oz oil/ATF/fuel dye, mini dye injector (10 applications of universal A/C dye) which is compatible with R134A and R12 systems, dye remover R12 adapter, UV enhancing safety glasses, A/C connection hose with R134A coupler and 12 service labels.

## MSC53451-110

### Rechargeable True UV Light with 25 Application Dye Kit

- Rechargeable UV light, batteries, rechargeable batteries, battery holder
- Refillable 2 oz dye injector
- UV enhancing safety glasses
- 2 oz concentrated universal A/C fluorescent dye (53625)
- 4 oz dye remover (53314)
- 25 service information labels



## MSC53518-UV

### Rechargeable True UV Flashlight

- Rechargeable and AAA battery power source
- Telescoping true UV light
- Packaged with quick recharge adapter
- Dye enhancing UV glasses



## MSC56100

### Raptor Refrigerant Electronic Leak Detector

- Digital micro processor
- Reset feature
- Visual leak indicator
- Keypad control
- Sensitivity level adjustment



## MSC53010-AUT

### Nitrogen Leak Test Kit

- Nitrogen pressure regulator leak test kit
- T-handle for ease of pressure adjustment
- HP gauge 4400 psi
- Includes leak testing gauges and hoses



## MSC53513-UV

### True UV flashlight

- Aluminum construction anodized finish
- High intensity UV bulb
- Easy grip texture
- Includes safety glasses



## MSC53909

### Leak Shield 1oz. Injection Kit

- Stops leaks and prevents future leaks
- Non clogging sealant and universal dye
- Complete injection kit
- For R-12 and 134A systems
- Safe for Hybrids
- 1 year warranty on material and workmanship



## MSC55600

### Black Series IR Refrigerant Leak Detector

- Innovative infrared sensor offers an extended sensor life of 10 years
- Easily select high, medium and low sensitivity levels with a maximum sensitivity up to 0.14 oz/yr
- Advanced TFT screen provides clear and easy readings using color graphics that show leakage, sensitivity, battery level and sensor fault indicators

## MSC56200

### Raptor Electronic Leak Detector with UV Blue Light

- Digital Signal Micro Processor
- Mute Function
- Visual Leak Level Indicator
- Reset Function • Keypad Control
- Sensitivity Level Adjustment
- Battery Test Function
- Variable Frequency Audible Alarm
- Ultra Bright UV/Blue LED Light
- Packaged in a blow molded case with UV glasses, 2 "C" batteries and sensor tip



# ROBINAIR®

## ROB16235 Tracker A/C Leak Detection Kit

- One squeeze injects a pre-measured amount (1/8 oz.) of dye - no more adding too much dye
- Fluoresces dye from up to 50' away
- Meets the new SAEJ2297 standard for use with both R134a and R1234yf

Kit includes: Injection gun, fluorescent light, fluorescent leak detection dye, fluorescent dye cleaner, and UV glasses



## ROBLD9-TGKIT Tracer Gas Leak Detector Service Kit

- Full color LCD with user-friendly message and error screens
- Automatic calibration and reset to ambient air
- High-intensity LED inspection light
- Uses 4 AA alkaline batteries
- Patented 3 LED ultraviolet (UV) lights with 395-415 nm wavelengths optimized for A/C dye fluorescence
- Includes 134a and 1234yf high-side coupler, hose and regulator for tracer gas
- 2-year warranty



## ROBLD9-TG Tracer Gas Leak Detector (Unit Only)

### ROBLD3 LD3 Refrigerant Leak Detector

- R-134a and R-1234yf compatible
- Automatic calibration and reset to ambient
- Long life, stable sensor
- 3 adjustable sensitivity levels
- Uses 4 AA alkaline batteries, included

The LD3 uses an audible alarm to alert technicians of leaks and is equipped with a stable sensor.

### ROBLD5 LD5 Refrigerant Leak Detector

- R134a and R1234yf compatible
- Unique color graphic LCD display
- 3 adjustable sensitivity levels
- High intensity LED inspection light
- Automatic calibration and reset to ambient
- Covered by a 2-year warranty
- Uses 4 AA batteries, included

### ROBLD7 LD7 Refrigerant Leak Detector

- R134a and R1234yf compatible
- Sweep mode function to pinpoint leak source
- Automatic calibration and reset to ambient
- Patented 3 LED UV lights with 395-415 nm wave length is optimum for a/c dye fluorescence
- 3 adjustable sensitivity levels
- Covered by a 2 year warranty
- Uses 4 AA batteries, included



## ROB16350 Complete UV Detection Kit

- Powerful 50-watt/12-volt UV lamp with cord and battery clips
- Injection gun with R-134a hose and R-12 adapter
- 4 universal A/C dye twist-on cartridges. Enough dye for 20 applications
- UV enhancing glasses with dye cleaner
- Service stickers



## ROB16355 Dye Injection Kit

- Injection gun with R-134a hose and R-12 adapter
- Service stickers
- Four universal A/C dye twist-on cartridges, enough for 20 applications
- This dye injection kit is for those who already have a UV lamp, yet want to have the best kit in UV detection.



### TIF8900

#### Combustible Gas Detector

- Solid state sensor technology, long life and precision
- Broad band of combustible gas detection
- Sensitivity as low as 5 ppm
- LED Leak Intensity Lights
- Made in USA



### TIFXP2

#### Replacement Tips (3 each) for TIFXP-1A, RX-1A and XL-1A





## LEAKFINDER® AFTERMARKET LEAK DETECTION SOLUTIONS



### TRALF021 A/C and Fluid Leak Detection Kit

- Includes: (1) 1oz bottles of LeakFinder® Universal A/C, Fluid and Coolant Dyes. Includes (1) re-usable syringe, R-134a hose/coupler and purge fitting, LeakFinder® UV lamp and fluorescence-enhancing glasses in a carrying case



### TRALF016 BigEZ™ Universal A/C Leak Detection Kit

- 8 oz. (237 ml) Universal A/C Dye Cartridge
- LF500CS UV Lamp in a carrying case
- Caulking-gun style injector, R-134a hose/coupler and purge fitting



### TRALF500CS LeakFinder UV Lamp

- Fluorescence-enhancing glasses
- Violet • LED
- Three (3) AAA batteries



### TRALF810 4 Piece LeakFinder™ Universal A/C Dye Injection Kit

- Includes Caulking gun-style dye injector assembly, BigEZ™ R-134a hose/coupler and purge fitting, and 8 oz (237 ml) BigEZ™ universal multi-dose A/C dye cartridge

## TRACER PRODUCTS THE MOST TRUSTED NAME IN AUTOMOTIVE LEAK DETECTION



### TRATPOPUV17

#### Complete A/C and Fluid Dye UV Leak Detection Kit

- EZ-Ject™ kit with TPOPUV OPTI-PRO UV flashlight, TP9870, TP3400 and TP-3900 dyes, GLO-AWAY™ Plus, TP-9940 glasses, R-1234yf Adapter and small green carrying case.



### TRATP9790-BX BigEZ™ A/C Dye for R1234YF

- OEM Approved
- Co-solvent free and certified to meet SAE J2297
- Kit Includes: TP9770-8 8 oz (237 ml) BigEZ™ Universal/Ester cartridge, TP-9749 EZ-Shot™ caulking gun-style dye injector assembly, TP-9747 18" (46 cm) R-134a hose/coupler with check valve



### TRATP9812-BX

#### Mini-Ez Hybrid Vehicle A/C Dye Injection Kit

- Includes TP9811-P3 dye cartridge with R-1234yf adapter
- Services R-1234yf & R-134a
- Includes TRATP9845 EZ-Ject dye injector assembly
- Includes TRATP9831CS R1234yf adapter.
- Includes TRATP9813 solid brass, swivel type R134a hybrid coupler with check valve and purge fittings



### TRATP9814EV-BX

#### Mini-Ez™ Poe-Based Ev A/C Dye Injection Kit

- Specially formulated with high-dielectric properties to protect all hybrid/EV system components - including electrically driven compressors
- Kit includes solid-brass swivel-type R-134a coupler, and R-1234yf adapter. It's the fast and economical way to add leak detection dye to an electric vehicle's A/C system

## TRACER PRODUCTS

THE MOST TRUSTED NAME IN AUTOMOTIVE LEAK DETECTION

### TRATP9824-BX EZ-Ject R1234YF Dye Injection Kit

- OEM Approved
- Co-solvent free & certified to meet SAE J2297
- Kit includes: TP9825 EZ-Ject™ R-1234yf/ PAG cartridge, TP-9845 EZ-Ject™ dye injector assembly, 128021 R-1234yf hose / coupler and purge fitting



### TRATPOPUVMR OPTI-PRO™ UV MAX R Cordless, Rechargeable, Violet Light LED Flashlight with Lithium-Ion Battery, Charger and TP9940 Glasses



### TRATPOPUV OPTI-PRO UV Cordless, Violet Light LED Flashlight

- Focus feature
- OPTI-PRO UV cordless, violet light LED flashlight with 3 AAA batteries and TP-9940 glasses



### TRATPOPUVP OPTI-PRO UV Plus Cordless, Violet LED Flashlight

- With lithium-ion battery, charger and TP-9940 glasses
- Focus and strobe feature



**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



### UVU332220A Spotgun Jr. Pico Lite ExtenDye kit

- Pico-Lite 1 watt LED (3 AA batteries included)
- Spotgun Jr. Injection System with R-12 and R-134a adapters
- A/C ExtenDye Cartridges (2 x 1oz.) services up to 20 vehicles
- UV enhancing glasses and service stickers
- Rugged storage case



### UVU332005A Spotgun™ Jr. UV Phazer™ Black (AAA) Leak Detection Kit with ExtenDye™

- Spotgun™ Jr. Injection system
- UV Phazer™ Black (AAA Batteries) True UV LED Light
- ExtenDye™ 4 (1 oz.) cartridges
- New additive package included in the A/C ExtenDye™
- Includes UV enhancing glasses and services up to 40 vehicles



### UVU414565A Rechargeable SpotGun UV Phazer Kit with ExtenDye

- The Shotgun/Phazer Black Kit features the light
- Spotgun injection system
- One 8 oz A/C ExtenDye cartridge
- UV dye enhancing glasses

### UVU330500YF Spotgun Jr. UV Injection System For 1234YF Systems

- Includes six 1/4 oz. one-shot cartridges of ExtenDye UV dye
- Includes 1234YF refill hose and adapter



### UVU331500A Spotgun Jr. Injection System With ExtenDye

- Spotgun Jr. Injection System with R-12 and R-134a adapters
- A/C ExtenDye Cartridges (2 x 1 oz.)
- A/C ExtenDye with QuietCool Technology
- Services up to 40 vehicles and includes service stickers
- Rugged case





## UVU381400

### Spotgun Jr. HFO Injection Kit

- 8 x 1 oz. PAG 46 HFO cartridges
- Works exclusively on 1234yf systems
- Quickly injects a precise amount of oil in the A/C system
- Clean and efficient way to inject oil into the A/C system



## UVU381450

### Spotgun Jr. Dual Injection Kit

- R1234yf service coupler and 4 x 1 oz. PAG 46 HFO cartridges
- Works on both R134a and R1234yf systems
- Quickly injects a precise amount of oil into an A/C system



## UVU471500A

### Spotgun™ Injection System with ExtenDye™ (8 oz.)

- Includes low-side hose, R12 and R134a adapters



## UVU481500

### Spotgun™ Oil Injection Kit

- Spotgun injector with R-12 and R-134a adapters
- PAG 46 oil cartridge (8 oz.)
- Excellent for use with SAE certified RRR A/C Equipment
- SAE J2788 standard compliant

## UVU480501

### Leak Guard One Shot Cartridge

- Quickly and effectively stops leaks with Leak Guard technology
- Detects leaks with premium UV dye
- Additive package enhances A/C system performance and prolongs life
- Will not harm A/C system or recovery equipment
- Works with metal Spotgun Jr. injection system



## UVU413020

### PICO-LITE - 1-Watt

### Luxeon® Cordless UV Light

- Compact and powerful LED fluorescent leak detection light
- Battery powered utilizing a Luxeon® LED bulb, the latest in high-intensity LED technology
- Compatible with all UV leak detection dyes



## UVU471112

### UV Glasses





## UVU413025

### Phazer NEO UV LED Light

- High-output UV LED
- Adjustable focusing lens
- Rechargeable lithium-ion battery
- Durable aluminum construction
- Compact design



## UVUEW40395

### UV Phazer Black 395nm Professional UV Leak Detection Light - Rechargeable

- High output True UV LED Light with a Power Rating of 4789
- Precise true UV wavelength and bandwidth to optimize the fluorescence of UV dyes
- Rechargeable lithium-ion battery with up to 4 plus hours with a full single charge
- Adjustable zoom lens for focusing light intensity
- Water resistant
- Includes UV enhancing glasses



## UVU413065

### Phazer™ Black (Rechargeable) True UV Light

- High-power UV LED
- Adjustable focus capability
- Lithium-ion battery provides 2 hours of power
- Rugged aluminum housing makes it super versatile
- Includes charger and UV enhancing glasses



## UVUEW42085

### UV Pico 395nm Professional UV Leak Detection Pen Light

- Precise, True UV wavelength with a Power Rating of 150
- Fixed beam focus
- Water resistant
- Pocket clip included
- Requires 2 x AAA batteries (not included)



## UVU413075

### Phazer™ Black True UV Light

- High power UV LED Fluoresces dye brighter than the competition
- Adjustable focus
- Rugged aluminum housing make it super versatile
- AAA Batteries provide 3 hours of power
- Includes UV enhancing glasses



## UVUEW50395

### UV Phazer NEO 395nm Professional UV Leak Detection Light - Rechargeable

- High output True UV LED Light with a Power Rating of 4849
- Precise true UV wavelength and bandwidth to optimize the fluorescence of UV dyes
- Rechargeable lithium-ion battery with up to 5 plus hours with a full single charge
- Adjustable zoom lens for focusing light intensity
- Water resistance
- Includes UV enhancing glasses



## KTIXD6301

### Rechargeable UV Pen Light

- 1 Watt UV, 365-370 nm for leak detection
- 350 MAH li-ion battery
- Direct micro USB recharge
- Pocket clip
- Run Time: 50 minutes. Charge Time: 45 minutes. Battery charging status indicator. 350 MAH Li-ion. Length: 4"



# DYES & INJECTORS

## DYES & INJECTORS - R1234YF

# FJC

Air Conditioning Products  
Tools, Equipment & Refrigerant

### FJC2459 R1234YF Refrigerant Oil - 1 Quart

- This oil is needed for systems using R1234YF Refrigerant
- ZEROL® HD46
- ISO 46 grade



### FJC6810 R1234YF A/C Dye

- Fluorescent leak detection dye
- 4 individual applications per bottle
- For use with R-1234yf
- Only need .25 oz for 8 oz

### FJC2724 Oil/Dye Injector R-1234yf

- 2 oz refillable with oil or dye
- Hand turn design
- Use without adding refrigerant to a system

### FJC2739 R1234YF Oil Injector

- Designed for use with FJC6850
- Use Injector to add 2 oz of R1234YF oil to an R1234YF air conditioning system under pressure or during service
- Fitting sizes: 1/4" SAE female RH thread x 1/4" SAE male RH thread



**Mastercool®**  
"World Class Quality"



### MSC53123-YF 1234yf Oil/Dye Injector

- Heavy duty aluminum construction
- Manual coupler
- 1/10, 1/4 oz and mm injection markings

# ROBINAIR®

### ROB16241 Tracker Universal Super Concentrated A/C Dye, 8 oz.

- Provides 32 applications
- Compatible with all materials found in a vehicle's A/C system
- OEM backed and approved



### ROB16242 Tracker Universal A/C Fluorescent Dye

- Twelve 1/4 oz. bottles, 12 applications
- Brightest dyes to help find leaks faster
- OEM backed and approved
- Solvent-free formula
- Meets the new SAE J2297 standard for use with both R134A and R1234YF
- REACH and CLP compliant



### ROB16240 Universal A/C Dye For Tracker

- Can be detected using any UV or blue light
- Safe for hybrids
- Application is 1/4 ounce per 12 ounce oil per vehicle
- Solvent-free formula that is OEM backed and approved
- Meets the new SAE J2297 standard for use with both R134A and R1234YF, and is REACH and CLP compliant



# ROBINAIR®

### ROB16357 Universal A/C Dye 6 Replacement Cartridges

- Six twist-on cartridges, 0.2 oz. (6 ml) each
- Enough dye for 6 applications
- OEM-approved and SAE-certified dye
- Service stickers included



### ROB16356 Universal A/C Dye 4 Replacement Cartridges

- Four twist-on cartridges, 1oz. (30 ml) each
- Enough dye for 20 applications

### ROB18470 1234YF POE Oil Injector

- Labeled for POE ND11 oil
- Inject specified 1234YF oil under pressure
- One year warranty • Made in USA



### ROB18465 R-1234YF PAG Oil Labeled Syringe-Type Injector

- R-1234YF manual low side coupler
- Holds 1/2 ounce of oil • 1/8 oz increments



### ROB18460 1234YF Oil Injector

- Syringe-type low side oil injector
- Designed for charged systems



DYES - R1234YF



**UVU488046PBD**

**PAG 46 A/C Oil With ExtenDye**

**High Performance Lubricant, 8 oz.**

- High quality A/C compressor lubricant in 46 viscosity
- Includes super-concentrated UV Dye for fast leak detection

**UVU488100PBD**

**PAG 100 A/C Oil with ExtenDye**

- High quality A/C compressor lubricant in 100 viscosity
- Includes super-concentrated UV Dye for fast leak detection



**UVU399046YF**

**PAG 46 Cartridge - 1 oz.**

**PAG 46 Oil Cartridge 1234YF - 1 oz.**

**UVU499005**

**Spotgun™ Universal A/C Dye Cartridge**

- OEM Approved and SAE-J2297 certified
- 4 oz. (120 ml) cartridge services 32 small A/C systems or 16 regular A/C systems



**UVU488046P**

**46 Viscosity PAG Oil, 8 oz. Cartridge**

- 46 Viscosity PAG Oil for R134a Systems
- Eliminates contaminants from entering the system
- Simply inject the amount of oil you want to add from the convenient 8 oz. oil cartridge
- From the recognized leader in UV leak detection

**UVU488046YF**

**High Quality A/C Oil  
Compressor Lubricant**

**UVU480308**

**LeakGuard Cartridge  
for Spotgun System (8 oz)**

- Designed for use with the Spotgun® Injection System
- The only A/C Sealant available that is certified to meet SAE J2670 Standard!
- Fully compatible with R-134a and R-12
- Contains A/C UV Dye • Services 8 vehicles



**UVU488016E**

**Universal ESTER Oil with Dye and eBoost™ - 16 oz./480ml Bottle**

- Includes MoistureGuard™ Technology, which is highly effective at removing and inhibited moisture
- With Universal ESTER, no need to stock multiple grades of oil
- eBoost™ is a performance enhancing supplement developed by UView® to boost the performance of lubricants



**UVU488016P**

**Universal PAG Oil with Dye and eBoost™  
- 16 oz./480ml Bottle**

- Includes MoistureGuard™ Technology
- With Universal PAG oil, no need to stock multiple grades of oil

**UVU499024A**

**A/C ExtenDye™ 1 oz. Bottle, Pack of 6**

- Super concentrated dye detects leaks quickly
- Added friction modifier and anti-wear additive improves efficiency
- Antioxidant stops acid formation and prolongs oil life
- SAE certified for use in R-134a and R-1234yf systems
- QuietCool Technology
- SAE J2297 certified, hybrid safe, and is solvent-free



**UVU499012A**

**A/C ExtenDye™ Bottle 1/4 oz., Pack of 12**



**UVU399020A**

**Spotgun Jr. A/C ExtenDye™ Cartridges (1 oz.)**

- Concentrated dye detects leaks quickly
- ExtenDye additive package
- Friction modifier increases lubricity
- Anti-wear additive reduces friction



**UVU399006A**

**A/C ExtenDye™ Cartridge 1/4 oz.**

- Added friction modifier and anti-wear additive improves efficiency
- Antioxidant stops acid formation and prolongs oil life
- J2297 certified, hybrid safe, and solvent-free



**UVU499008A**

**A/C ExtenDye™ - 8 oz Bottle**

- Super concentrated UV A/C Dye with ExtenDye
- J2297 SAE certified
- Friction modifier increases lubricity
- Anti-wear additive reduces friction
- Antioxidant reduces acidity and prolongs oil life



**UVU499108A**

**A/C ExtenDye™**

- Superconcentrated dye detects leaks in the vehicle A/C system
- Contains friction modifier to increase lubricity
- Contains anti-wear additive
- Reduces friction and heat
- Extends A/C component life



**TRACER PRODUCTS**

THE MOST TRUSTED NAME IN AUTOMOTIVE LEAK DETECTION

**TRATP39400601**

**Dye For Dexcool**

**Case of (6) 1 oz. bottles**

- Ford-approved, fluoresces bright green, requires a long wave UV lamp such as the TP-1600P, TP-1700P or TP-35000 Maxima series
- For use with all coolants, including red/orange or yellow extended life coolants
- Safe to remain in the system until the coolant is changed
- Coolant Dye



**TRATP3840-1P6**

**Universal A/C Dye 6-Pack of 1 oz. Bottles**

- Services up to 24 vehicles
- Refillable injection method
- OEM Approved
- Glows green



**TRALF1800CS**

**1EA 8-oz (237 ml) Universal BigEZ A/C Dye**

- (1) 8-oz (237 ml) Universal BigEZ A/C dye cartridge
- Packaged in a clamshell
- Compatible with R-134a, R-1234yf, and other Refrigerants
- 1 oz (30 ml) Bottle (Services up to 4 Vehicles)
- 8 oz (237 ml) Bottle (Services up to 32 Vehicles)





## TRACER PRODUCTS

THE MOST TRUSTED NAME IN AUTOMOTIVE LEAK DETECTION

**TRALF1800**  
8 oz. (237 ml) Universal  
BigEZ™ A/C Dye Cartridge

- 8 oz (237 ml) replacement dye cartridge



## TRACER PRODUCTS

THE MOST TRUSTED NAME IN AUTOMOTIVE LEAK DETECTION

**TRATP9770-8**  
8 oz. Universal Dye Cartridge

- 8 oz (237 ml) universal/ester BigEZ™ dye cartridge
- Services up to 64 vehicles
- Fits caulk-gun injector



# FJC

Air Conditioning Products  
Tools, Equipment & Refrigerant

**FJC2484**  
PAG Oil 46 - 8 Ounce

- PAG Oil 46 with UV Dye 8 oz
- Synthetic PAG Oil for Mobile A/C Systems
- As recommended by OE and Compressor Manufacturers



**FJC2480**  
PAG Oil with Fluorescent  
Leak Detection Dye - Quart

- Compatible with R134a and R12
- Compatible with mineral, ester, paraffin and PAG oil



## Mastercool® Inc.

"World Class Quality"

**MSC53910**  
Leak Shield 1 oz  
Replacement Cartridge

- Stops leaks and prevents future leaks
- Lubricates AC system
- For R-12 and 134A systems
- Safe for Hybrids
- Made in USA



# UVIEW

**UVU399020EU**  
AC Dye Cartridges

- 4 Cartridges
- 1 ounce / 30 mL dye
- SAE-J2297 certified & OEM approved dye
- Service stickers
- Spotgun Jr. replacement A/C dye cartridges



# UVIEW

**UVU560500**  
Combustion Leak Check Test  
Fluid - 16 oz. Bottle

- Tester fluid changes color when a leak is present
- Gasoline engine: tester fluid changes from blue to yellow
- Diesel engine: tester fluid changes from blue to green



# UVIEW



**UVU480301**  
LeakGuard™ Refill Cartridges

- Oil based; will not crystallize
- One cartridge services one vehicle
- Will not clog components or equipment
- LeakGuard™ seals metal and rubber components





## UVU483208

### Multi-Purpose Dye - 8 oz. Bottle

- 8 oz (240 ml) bottle, (8 applications) with precise measuring device built-in
- Works with most UV lights
- Reduces inventory as one dye covers a wide range of applications



## UVUB483206

### Multi-Purpose Dye - 6 Bottles

- Six (1 oz./30 ml) applications
- Only dye needed for engine oil, transmission fluid, power steering fluid, hydraulic oil, gasoline and diesel fuel
- Works with most UV lights



## UVU483908

### Radiator Coolant Dye - 8 oz. Bottle

- Works in standard glycol coolant (green)
- Convenient 8 oz. bottle with built in precise measuring device
- Works with most UV lights
- Dye installed service stickers included
- Services 8 vehicles



## UVUB483906

### Radiator Coolant Dye

- Specifically designed for standard glycol coolants (green)
- Convenient individual application bottles, 6 Bottles (1 oz./30 ml)
- Works with most UV lights
- Dye installed stickers included
- Pinpoint leaks in cooling systems, including Radiator, Hoses, Fittings, Water Pumps and Head Gaskets



## UVU488125P

### 125 Viscosity PAG Oil for R134a Systems

- Eliminates contaminants from entering the system
- Simply inject the amount of oil you want to add from the convenient 8 oz. oil cartridge
- An excellent way to top up an A/C system, filling a compressor or accumulator / dryer
- From the recognized leader in UV leak detection



## UVU488150P

### 150 Viscosity PAG Oil for R134a Systems

- Eliminates contaminants from entering the system
- Simply inject the amount of oil you want to add from the convenient 8 oz. oil cartridge
- An excellent way to top up an A/C system, filling a compressor or accumulator / dryer
- From the recognized leader in UV leak detection



## UVU488108E

### 100 Viscosity ESTER Oil, 8 oz. Cartridge

- For R134a Systems
- Eliminates contaminants from entering the system
- Convenient 8 oz. oil cartridge
- An excellent way to top up an A/C system, filling a compressor or accumulator / dryer



## UVU488100P

### 100 Viscosity Pag Oil 8 Oz Cartridge

- Utilizes the award-winning Spot-gun injection system
- Allows you to inject a precise amount of dye into a pressurized system via the low side service port
- Eliminates moisture from entering the system
- From the recognized leader in UV leak detection

## FITTINGS - R1234YF



## CPSQC1214SET

### 14mm HFO Manual Coupler Set



## CPSQC1234SET

### 12mm HFO Manual Coupler HiSide



## CPSQCH1234

### 12mm HFO Manual Coupler HiSide HiSide



## CPSQCH123414

### 1234YF 1/4" HFO Female High Side Coupler



## CPSQCL1234

### 12mm HFO Manual Coupler LoSide



# FJC

Air Conditioning Products  
Tools, Equipment & Refrigerant

### FJC6072YF

#### R1234yf Adapter Assortment

- Most Popular Adapters for R1234YF
- Easy to use



### FJC6840

#### Top Can Tap R-1234yf

- Brass valve
- For R1234YF yellow hose
- 1/2" ACME LH threads
- For use with self-sealing cans



### FJC6842

#### Can Tap 3-Way

- Works with R1234YF, R134A and R12



### FJC6820

#### R134a to R1234YF

#### 6 Piece Conversion Kit with Manual Coupler

- Use to convert R12 or R134A Manifold gauge sets to connect to R1234YF Mobile A/C systems
- 2 brass fittings (M12 x 1/4" SAE) to connect the High and Low side manual couplers to 1/4" R12 hoses
- 2 brass fittings (M12 x M14) to connect the High and Low side manual couplers to M14 R134a hoses



# ROBINAIR

### ROB18124

#### Service Coupler Set

- High side (red) and low side (blue)
- To service 1234yf A/C systems
- One year warranty



### ROB18122

#### Blue Low-Side Service Coupler

- To service 1234yf A/C systems
- 1 year warranty



### ROB18123

#### Red High-Side Service Coupler

- Services 1234yf A/C systems
- One year warranty



# cps

### CPSQCL1234-14

#### HF0 1/4" Manual Coupler LoSide

- For HF01234YF



# LEAKFINDER

AFTERMARKET LEAK DETECTION SOLUTIONS

### TRALF60CS

#### R1234YF Adapter



# Mastercool

"World Class Quality"

### MSC63736-K

#### R134A to 1234YF Conversion Kit

- Convert R134A gauge set to R1234YF
- High and low side standard 1234YF couplers
- 1/2" Acme M x 1/2" Acme F tank adapter
- 2 12mm M x 14mm F 1234yf adapters



### MSC83736-K

#### Deluxe R1234A to R1234YF Conversion Kit

- Converts 134A gauge set to 1234yf
- High and low side manual 1234yf couplers
- 1/2" Acme M x 1/2" Acme F left hand thread adapter
- 2 - 12mm M x 14 mm F 1234yf adapters



### MSC67434

#### R1234YF High Side Red Quick Coupler

- Brass construction
- Six ball bearing design
- 12mm x 17mm design
- Fast easy connection to R1234yf service fitting



### MSC67534

#### R1234YF Low Side Quick Coupler

- 6 ball bearing design
- Fast easy connection to R1234yf service fitting
- Brass construction
- 12mm x 14mm



### MSC85512-YF

#### R1234YF Depressor Style Can Tap Valve

- 1/2" ACME LH thread for use with self sealing reusable cans
- Gasket protected to prevent leaks
- Built in safety check valve
- Works with SAE J2888 fittings
- All metal construction provides durability



### MSC85535-YF

#### R1234YF Depressor Style Can Tap Recharge Kit

- 18" blue low side R1234yf hose
- R1234yf low side coupler
- 1/2" ACME-LH thread for use with R1234YF self-sealing/reusable designed cans
- Works with SAE J2844 fittings



### MSC53376

#### R134A/R1234YF AC System Visual Inspection Sight Glass

- Allows user to visually inspect the refrigerant in any R134A or R1234YF system and identify excess dye, oil or debris
- Allows the user to extract a small portion of the refrigerant for actual visual inspection
- Leak free, ball valve controlled and will allow the refrigerant extracted for the visual inspection to be deposited back into the system



### MSC53376-YF

#### R1234YF Refrigerant Visual Inspection Sight Glass

- To View Condition Of Refrigerant & Refrigerant Oil In Automotive Ac Systems
- TO BE USED ON R1234YF SYSTEMS
- Allows the technician to visually inspect the refrigerant
- SAE approved blue and red hoses
- Standard 1234YF couplers



MSC53376

**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov



FITTINGS

**cps®**

**CPSAD12**  
1/2 ACME Adapter Tank  
• Male LO side R-124a  
• Application: R-134a automotive tanks



**CPSTLCT1234**  
3-in-1 R12/R134A  
Oil Side Can Tap

- Integrated hinged inserts
- Use with R-134a, R-12 and oil charge cans
- High impact HDP composite construction for durability
- 1/4" (R12) and 1/2" Acme (134a) fittings for versatility



**CPSQC14SET**  
Conversion Style Coupler Set R12 to R134A

- Chrome manual couplers
- Chrome body, aluminum anodized colored knob
- 1/4" SAE male fitting • 6-ball design
- Self sealing



**CPSQC134SET**  
Premium Chrome Manual Couplers

- Latching balls
- Cross pin valve depressor design
- Safety sleeve to prevent venting
- Chrome body and aluminum anodized knob



**cps®**

**CPSQCH134**  
Auto Cplr Brass  
Hi Side 14MM

- Self sealing
- Chrome body with aluminum anodized knob
- 6 Ball locking
- Safety seal sleeve



**CPSQCH14**  
R134A Hi Side  
90 1/4" SAE

- 5 ball coupler
- Chrome Forging and anodized aluminum knob
- Self sealing



**CPSQCL134**  
Auto Coupler Brass  
Lo Side 14mm

- Chrome forging
- 5 Ball coupler
- Chrome body with aluminum anodized knob
- Cross pin valve design
- Self sealing



**CPSQCL14**  
1/4 SAE X 134A Lo Side Coupler

- Chrome forged body
- Self sealing
- 5 ball design
- Chrome body and aluminum anodized colored knob
- Cross pin depressor



**Mastercool® Inc.**  
"World Class Quality"

**R134A 14mm-F x 13mm**  
Quick Manual Couplers

- Patented manual couplers adjust easily to R134a service ports with varying dimensions



**MSC82934 - Low Side**  
**MSC82834 - High Side**

**Safety Lock R134A Couplers**

- Locking Sleeve prevents accidental coupler removal
- Releases with manual operation of coupler
- Heavy duty low refrigerant loss design



**MSC82934-SL - Low Side**  
**MSC82834-SL - High Side**

**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

**MSC85512**  
134A Depressor Style Can Tap

- Gasket protected for leak proof operation
- For use with small refrigerant cans with valve core



**MSC85535**  
134A Recharge Kit for  
Depressor Style Cans

- Built in safety check valve
- For use with small refrigerant cans with valve core
- Full grip design • Gasket protected

**MSC85530**  
Refrigerant and Oil Charge  
Can Tap Valve 3-in-1 Tool

- Unique design will work on all R134A (2-7/8"), R12 (2-1/2") and oil charge (2") cans
- The outlet port offers a 1/2" ACME and 1/2" FL fitting with an internal check valve to prevent system backflow



**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

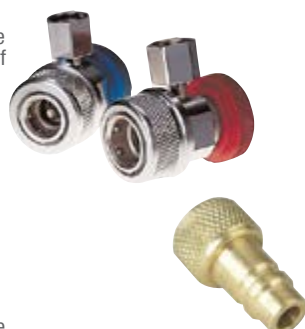
**ROBINAIR®**

**Manual Service Coupler for R134A**

- Quick connect design has an integral safety sleeve which protects against injury and refrigerant loss if the coupler is disconnected under pressure

**ROB18190A - Low Side**  
**ROB18191A - High Side**

**ROB18192**  
High and Low-side Manual Couplers Set



**ROB16301**  
Low Side Tank Adapter

- 1/2" ACME Female x Lowside Spud used for tank fill and maintenance procedure

**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

**ROB10102**  
Multi-Purpose Refrigerant Side Can Tap

- Hinged design means no inserts to lose
- Adapts to R12, R134a and their respective oil cans
- 1/4" flare and 1/2" ACME ports with anti-blow-back valves



**ROB10328**  
Hose Extension Coupler - 1/2" Acme External x 14mm Internal

- Connect any number of hoses to get the extra length you need
- Most common couplers used in the agriculture, construction and logging industries
- Harden Steel with 2900 PSI Rating



**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov



**Mastercool<sup>®</sup> Inc.**  
"World Class Quality"

## MSC58490-YF Valve Core Remover Installer For R1234YF Vehicles

- Remove valve cores with no refrigerant loss
- Covers all valve cores 1234yf vehicles



## MSC58490 Universal A/C Valve Core Remover and Installer Kit R12 / R134A

- These tools allow the user to service valve cores without losing the systems charge
- Makes removal or insertion much easier, especially on the larger R134A valve cores



## MSC91337 R12/R134A Valve Core Repair Kit

Includes:

- (20) access valve cores and (10) valve cores
- (10) R134a JRA High/Low import valve cores
- (5) R134a Domestic high flow valve cores M10
- (5) R134a Domestic high flow valve cores M8
- (1) R12/R134a valve core remover/installer

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

# ROBINAIR<sup>®</sup>



## ROB18560 Valve Core Remover/Installer

- Remove and install the valve core from a 1/4" male flare access fitting without the loss of refrigerant
- Durable, solid brass tool has a ball valve that can be opened and closed in just a quarter-turn, rather than a stem-type valve. Designed with a stainless steel ball and brazed side fitting for durability and long life

## MSC81290 Universal Valve Core Remover/Installer (R12 and R134A)

- Double ended for easy replacement of standard and large bore valve cores for R12, standard and JRA (M6) EATON (M8, M10) valve cores for R134a



## MSC81490 R134a Valve Core Remover and Installer

- For high (16 mm) and low (13 mm) service port standard type valve
- Designed for use of servicing valves in R134a systems with standard valve cores
- Built-in ball valve retains charge and allows access to A/C system



## MSC91290 Universal Valve Core Remover For R12

- Brady 91290, Arrow Tape (Pack of 4 pcs)
- Directional flow arrow tape can enhance safety, improve operating efficiency and provides 360 degree visibility
- Tapes are made of durable B-946 material that withstands the elements indoors and out. Supplied in liner-mounted rolled form - use two bands per marker.



# ROBINAIR<sup>®</sup>

## ROB10986 Deluxe A/C Orifice Tube Service Kit

- Use this kit to remove complete or damaged tubes A/C orifice
- Use on Ford and GM cars having the number 3096068 orifices
- The screened orifice for A/C cycling clutches requires this special puller
- Comes with an extender body
- Removes tubes



## ROB40330 Piercing Valve with Valve Core

- Fits 3/16", 1/4", 5/8", 3/8" OD



## ROB10696 AC 4-Square Ratcheting Wrench

- A reversible wrench with four square openings: 1/4" and 3/16" on one end and 3/8" and 5/16" on the other
- Sizes are stamped near the openings
- High quality at an affordable price
- Expertly made from premium materials



## ROB42040 Deburring Tool Single Blade





**Mastercool®**  
"World Class Quality"



### MSC72480

#### 37° Flaring and Double Flaring Hydraulic Tool Kit

- Tube & die set stabilizing arm for easy tube forming
- Enlarged die set compression area for better grip of dies
- Magnetic adapter holder
- Fabricates factory style 37° and 37° double flare found on aviation and specialty automotive applications
- The hand-held hydraulic pump operates with all steel and light stainless tubing
- Includes: 3/16", 1/4", 5/16", 3/8" and 1/2" dies 3/16", 1/4", 5/16", 3/8" and 1/2" double flare adapters and 37° Cone



### MSC72475-PRC

#### Universal Hydra Flaring Tool Set with Tube Cutter

- Tube & die set stabilizing arm for easy tube forming
- Enlarged die set compression area for better grip of dies
- Magnetic adapter holder
- Fabricates: Push Connect 1/4, 5/16 and 3/8"; GM Fuel Line Flare; Brake Lines and Transmission 5/16 and 3/8"; Flare/Double Flare 3/16", 1/4", 5/16", 3/8" and 1/2"; Metric Bubble Flare 4.75, 6, 8, and 10mm



### MSC72485-PRC

#### Universal Hydraulic Flaring Tool Set with GM Transmission Cooling Line Dies And Adapters

- Tube and die set stabilizing arm for easy tube forming
- Magnetic adapter holder keeps adapters in place
- Equipped with an enlarged die set compression area for better grip of dies
- Includes the 3/8" & 1/2" GM transmission cooling line die and adapter set

**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov



### MSC71202

#### Hydra-Flare Yoke and Assembly

- Tube & die set stabilizing arm
- Magnetic adapter holder
- Enlarged die set compression area
- Improved hydraulics
- Replaces the MSC71201



### MSC71098

#### 37° Flaring and Double Flaring Adapter Set

- Allows owners of MSC71475 45° set to now perform all 37° applications
- Includes 3/16", 1/4", 5/16", 3/8" and 1/2" adapters
- Includes 3/16", 1/4", 5/16", 3/8" and 1/2" die sets
- Includes 37° cone



### MSC70069-A

#### 4-in-1 Tube Bender

- All metal multi purpose 180° tube bender for 3/16", 1/4", 5/16" & 3/8" O.D tubing



### MSC71550

#### Manually Operated A/C Hose Crimper

- "Manual style" A/C hose crimper for crimping barbed and beaded fittings
- Dies snap quickly into place requiring no pins or screws

Kit includes yoke assembly, arbor assembly, holding fixture assembly, die set #6 (5/16"), die set #8 (13/32"), die set #10 (1/2"), die set #12 (5/8") and a carrying case.



### MSC71500-A

#### Hydra-Krimp AC Hose Crimper

- Hydraulic operation
- Covers all A/C hose sizes
- Hand held operation
- Crimp hoses on the vehicle

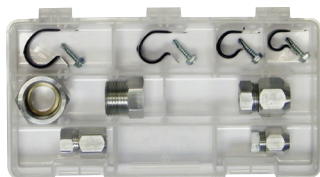
Patented Hydra-Krimp makes crimping barbed and beaded fittings easy.





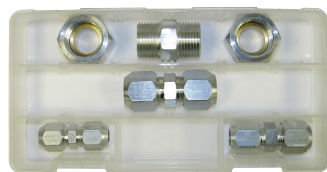
## SRRAC80 A/C Compression Block Off Kit

- Perfect for vans, SUV's and other vehicles with failed rear components
- Block off rear A/C lines in minutes
- Make connections easily by hand; no specialty tools required
- Kit includes 3/8", 1/2", 5/8" and 3/4" fittings, includes hanger clamps and screws



## SRRAC40 A/C Compression Union Kit

- Heavy Duty unions make rear AC repairs easy and profitable
- Avoid using awkward swedge tools in tight areas
- Made from aluminum, will not rust or corrode
- Avoid expensive OE lines and extensive labor
- Double Seal technology, pressure rated up to 600 PSI



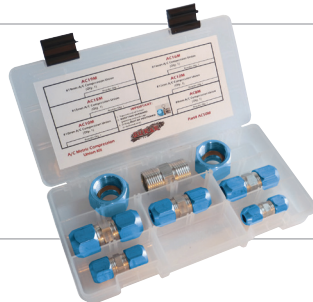
## SRRAC50M Metric A/C Compression Union Kit

- Repair damaged aluminum lines including pinholes, cracks, kinks, and more
- Includes 6 fittings sized 8mm, 10mm, 12mm, 15mm, 16mm, 19mm (qty. 1 each)
- Make connections easily by hand; no specialty tools required
- On-the-car repairs made simple
- Heavy-duty fittings designed specifically for A/C repair applications



## SRRAC90M Metric A/C Compression Block Off Kit

- Includes 6 fittings sized 8mm, 10mm, 12mm, 15mm, 16mm, 19mm (qty. 1 each)
- Perfect for vans, SUV's and other vehicles with failed rear components
- Make connections easily by hand; no specialty tools required



## SRRAC1387 Deluxe AC Line Repair Kit

- Repair damaged rubber and aluminum lines including pinholes, cracks, and kinks
- New Double-Seal technology! (O-ring and ferrule)
- Covers most line sizes 3/8", 1/2", 5/8", and 3/4"
- Pressure rated up to 600 PSI



## KT172340

- ### Heavy Duty Tubing Bender
- Bends 1/4", 5/16" and 3/8" aluminum, steel or copper
  - Lifetime warranty



**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## KT172345

- ### Heavy Duty Tubing Bender Pliers
- Bends 3/16", 1/4", 5/16" and 3/8" aluminum, copper and steel without collapsing or kinking



**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



## OTC4504 Bubble (I.S.O.) Flaring Tool Kit

- Forged steel yoke, flaring bar, and all the adapters needed for ISO bubble flaring
- Includes four dies: 4.75mm, 6mm, 8mm and 10mm adapters



## ROB42080

### Ratcheting Tubing Cutter - 1/4" - 7/8" tubing

- Designed for confined spaces
- Spring-loaded adjusting screw applies continuous pressure while cutting
- For cutting 1/4" - 7/8" tubing
- Cuts a variety of materials and metals, including steel



## ROB42071

### 1/8" - 1/2" Tubing Ratcheting Tubing Cutter

- Designed for cutting tubing in confined spaces
- Spring-loaded adjusting screw applies continuous pressure while cutting
- Works on PVC and a variety of metal and steel tubing





## HESMC18V

### MC18MG Mobile Evaporative Cooler

- Adjustable front louvers for multidirectional airflow
- Portable - with top carrying handle and caster wheels
- Proprietary swept wing prop design for optimal airflow



## HESMC26A

### MC26A Mobile Evaporative Cooler

- Remote Control • Humidity Controls
- Ice packs included for additional cooling
- Proprietary swept wing prop design for optimal airflow
- Plentiful cooling in indoor and semi-outdoor spaces up to 700 sq/ft.



## HESMC250

### M250 Mobile Evaporative Cooler

- High Vis Green Trim and power cord
- Adjustable Front Louvers for multidirectional airflow
- 5,300 CFM air flow
- Three-sided cooling padding ensures more cool air circulated, up to 1,600 sq/ft.
- 14.6-gallon water tank

## HESMC150

### M150 Mobile Evaporative Cooler

- Chills and humidifies spaces up to 950 sq/ft.
- 10.3-gallon water reservoir



## HESMC18M

### 1300 CFM Evaporative Cooler

- Cooling area 500 sq/ft. • Fixed vent
- 1300 CFM air flow
- 3-sided pad intake area for max. cooling
- 1/15 HP, 0.7 AMPS, 115 VOLTS



## HESMC37V

### Evaporative Cooler 3100 CFM

- Cooling area 950 SQ FT
- 3100 CFM air flow
- Air swing delivery system provides maximum coverage
- 3-sided pad intake area allows for maximum cooling
- 1/5 HP, 2.4 AMPS, 115 VOLTS

## HESMC37M

### Evaporative Cooler 3100 CFM

- Cooling area 950 SQ FT
- 3100 CFM air flow
- Air swing delivery system provides maximum coverage
- 3 - sided pad intake area allows for maximum cooling
- 1/5 HP, 2.4 AMPS, 115 VOLTS



## HESMC61V

### Evaporative Cooler 5300 CFM

- Cooling area 1600 SQ FT
- 5300 CFM air flow
- Air swing delivery system provides maximum coverage
- 3-sided pad intake area allows for maximum cooling
- 1/3 HP, 4.3 AMPS, 115 VOLTS

## HESMC61M

### Evaporative Cooler 5300 CFM

- Cooling area is 1600 SQ FT
- 5300 CFM air flow
- Air swing delivery system provides maximum coverage
- 3 - sided pad intake area allows for maximum cooling
- 1/3 HP, 4.3 AMPS, 115 VOLTS



## HESMC92V-FPD

### Evaporative Cooler 11000 CFM

- Cooling area is 3000 SQ FT
- Air flow 11,000 cfm
- Air swing delivery system provides maximum coverage
- 3 - sided pad intake area allows for maximum cooling
- 3/4 HP, 5.8 Amps, 115 Volts



# EVAPORATIVE COOLERS

# PORTACOOOL™

WHEN COMFORT COUNTS™



## Portacool Apex

- Maximum cooling without sacrificing space. Slimmer profile and new front intake. Place against any wall.
- Powered by Portacool CoolSync™. Complete digital display with Wi-Fi capability.
- Fan outlet directs the airflow with digital motors, enabling customized cooling zones at the touch of a button.
- Redesigned motor reduces noise creating a tranquil environment while cooling.
- Ensures worry-free operation with water level indicators, automatic shut-off and alerts.
- Roto-molded housings sets durability standards, guarding against harsh conditions and extending the cooler's lifespan.
- Built-in handle and lightweight housing ensure easy transportation with a tilt and pull over any terrain.
- Swiftly refill the tank via a convenient hatch, enabling seamless hose connections for uninterrupted cooling.
- Portacool's proprietary advanced media technology delivers superior cooling, conserves water, and reduces costs.
- 8-inch media with Edgecoat adds unmatched performance and durability.
- Portacool's APEX advanced system evenly distributes water, ensuring superior coverage and an enhanced cooling experience.

PORPACA07001A1



## PORPACA05001A1 Portacool Apex 500

- Cool 500 sq. ft. in a flash!
- High-velocity cooler delivers a refreshing breeze up to 55 feet away
- 13 gallon water reservoir

## PORPACA07001A1 Portacool Apex 700

- Cool 700 sq. ft. in a flash!
- High-velocity cooler delivers a refreshing breeze up to 60 feet away
- 22 gallon water reservoir

## PORPARPACHWTB00 Hard Water Treatment

- Used to prevent hard water build up and removes and inhibits scale build up
- Reduces equipment corrosion and extends evaporative media life while increasing cooling efficiency



PORPACA20001A1



## PORPACA12001A1 Portacool Apex 1200

- Uses a redesigned 19 inch fan assembly to cool up to 1200 sq. ft.
- High-velocity cooler delivers a refreshing breeze up to 40 feet away
- 40 gallon water reservoir

## PORPACA20001A1 Portacool Apex 2000

- Uses a redesigned 24 inch fan assembly to cool up to 2000 sq. ft.
- High-velocity cooler delivers a refreshing breeze up to 60 feet away
- 45 gallon water reservoir

PORPACA65001A1



## PORPACA40001A1 Portacool Apex 4000

- Uses a redesigned 36 inch fan assembly to cool up to 4000 sq. ft.
- High-velocity cooler delivers a refreshing breeze up to 50 feet away
- 55 gallon water reservoir

## PORPACA65001A1 Portacool Apex 6500

- Uses a redesigned 48 inch fan assembly to cool up to 6500 sq. ft.
- High-velocity cooler delivers a refreshing breeze up to 40 feet away
- 66 gallon water reservoir

## Portacool Protective Covers

Part Number	Size	Fits These Models	
PORCVR0002K	49"H x 28"D x 30"W	Portacool Apex 700 & Jetstream 230	
PORCVR0003K	55"H x 24"D x 40"W	Portacool Apex 1200 & Jetstream 240	
PORCVR0004K	66"H x 32"D x 52"W	Apex 2000 & Jetstream 250	
PORCVR0005K	74"H x 32"D x 63"W	Apex 4000 & Jetstream 260	
PORCVR0006K	84"H x 39"D x 77"W	Apex 6500 & Jetstream 270	
PORCVR0001K	40"H x 26"D x 30"W	Portacool Apex 500 & Jetstream 220	







Floor Fans

Part Number	Description	Price
KT177721	18" Floor Industrial Fan	
KT177720	20" 4-Way Tilting High Velocity Industrial Fan	

#### KT177733

- 18" Pedestal Industrial Fan**
- 1/8 HP energy efficient motor
  - 3-Speed motor
  - 1810 cfm (High)
  - 1540 cfm (Medium)
  - 1332 cfm (Low)
  - 3-blade aluminum design
  - Height adjustment up to 57"
  - 1 Year Warranty

#### 24" Waterproof Pedestal Fans

- 120V/60Hz
- Three speed IPX4 Waterproof Rated Motor
- 7435 CFM
- 6 Foot GFCI Power Cord
- UL&CUL Approved
- \* Use KT177745 Misting Fan Attachment with these Fans

#### KT177723 (Non-Oscillating)

#### KT177726 (Oscillating)

#### 24" Waterproof Pedestal Fan Kits with Misting Fan Attachment

- Includes KT177745

#### KT177723KIT (Non-Oscillating)

#### KT177726KIT (Oscillating)

#### KT177745

##### Misting Fan Attachment

- Uses the pressure generated by the water to evenly distribute a powerful cooling mist
- Perfect for use with KT177723 & KT177726

#### Oscillating 30" Pedestal Industrial Fans

- 1/2 HP energy efficient motor
- 3-Speed motor
- 5320 cfm (High)
- 4272 cfm (Medium)
- 2880 cfm (Low)
- Height adjustment up to 76"
- 1 Year Warranty

#### KT177730 (Non-Oscillating)

#### KT177734 (Oscillating)

#### 30" Wall Fans

- Wall Fan 30" with three speeds
- 120 Volt / 60 Hz / 2.4 Amps
- High Speed: 1125 RPMs / 7930 CFM with power consumption 280 Watts
- Medium Speed: 1058 RPMs / 6144 CFM with power consumption 230 Watts
- Low Speed: 825 RPMs / 2880 CFM with power consumption 123 Watts

#### KT177731 (Non-Oscillating)

#### KT177732 (Oscillating)

#### 24" Direct Drive Industrial Tilting Drum Fans

- 1/2 HP energy efficient motor
- 2 Speed motor
- 6940 cfm (High)
- 5,250 cfm (Low)
- 3-blade aluminum design provides even airflow for quiet operation
- 1 Year Warranty

#### KT177740 (Yellow)

#### KT177741 (Black)

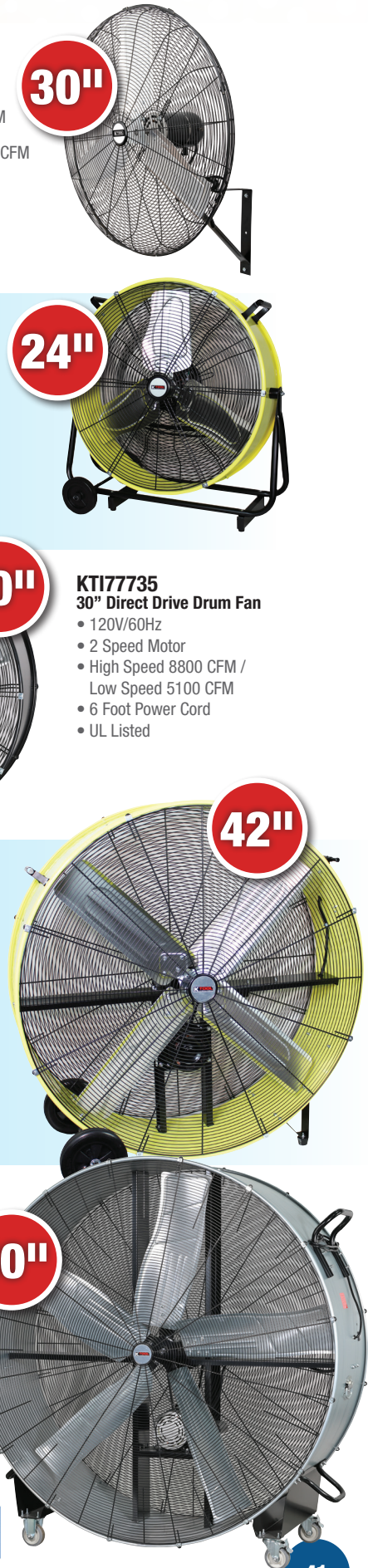


#### 42" Belt Drive Industrial Drum Fans

- 7/8 HP energy efficient motor
- 2-Speed Motor
- 14800 cfm (High)
- 11,250 cfm (Low)
- 4-blade aluminum design provides even airflow for quiet operation
- 8" Rubber wheel for easy maneuverability
- Safety yellow powder coated finish
- 1 Year Warranty

#### KT177742 (Black)

#### KT177743 (Yellow)



#### KT177760

#### 60" Belt Drive Industrial Drum Fan

- 120V/60Hz
- Two Speeds
- 8.8 Amps
- High Speed 22100 CFM / Low Speed 13000 CFM
- 6.74 Foot Power Cord
- 4" Rubber wheels



# BLOWER FANS & AIR CLEANERS



## KT177703 800 CFM Utility Floor Blower

- Power by a 1/5 HP motor, 2.3 amps producing 800 cfm
- 4 Drying Positions: 0°, 20°, Kickstand 45° & 90°
- Can be stacked and daisy chained for additional drying performance
- 1 year warranty



KT177702

### Utility Blower Fans

- For indoor or outdoor use
- 3 speed with 4-position adjustment for centralized airflow and quick drying
- 1 year warranty

**KT177700 (1200 CFM)**  
**KT177702 (300 CFM)**

**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov



## KT177712 12" Cordless Tilting Fan with Built-In Battery

- Power: DC12V/13W
- Brushless DC Motor
- Variable Speed Rotary Control
- 220 Degree Tilt Angle Adjustable
- Max Speed: 1500RPM



## MLW0886-20 M18™ Jobsite Fan (Bare Tool)

- Powerful Airflow System: circulates air over 40 feet
- Provides up to 17 hours of runtime on an REDLITHIUM XC 50 Battery
- Adjustable Head: 120° adjustable head, and 9 stopping positions, provide best control of airflow direction
- AC adaptor included for extended run-time

## AIR CLEANING



## CLP170AIR Fresh Air Ozone Machine

- Eliminates mold, mildew and bacteria
- Convenience of AC and DC Power
- Programmable Timer



## UVU590250 MiST™ Cleaning Solution (12 Pack)

- Each bottle is 3.4 oz. (single application)



## UVU590160 MiST™ 2 Ultrasonic Cleaning Unit

- Atomizes MiST™ specially formulated cleaning solution
- Portable 12V DC powered
- Treats mold, mildew and other micro organisms that grow on the vehicles interior surfaces
- Service can be performed on any vehicle



## UVU590160P MiST Promotion

- The Mist Kit targets all vehicles
- Kills mold, mildew, and bacteria in vehicle cabins
- The kit contains the MiST in-car quality air machine (EPA approved)
- Easy to operate and utilizes 12 volt DC power



## UVU590275 X-Treme Sanitizing Spray (Case of 12)

- Disinfectant Spray for use against SARS-CoV2 (Covid 19)
- EPA Registered
- Effective against Bacteria, including MRSA
- Recommended contact time is 5 minutes
- One 32 oz. bottle treats 12 passenger cars/light trucks



## UVU590250SK MiST X-Treme Sanitizing Kit

- Disinfectant for use against SARS-CoV-2 (Covid-19)
- EPA Registered
- Effective against Bacteria, including MRSA, with 2-minute contact time
- Effective against Viruses in as little as 30 second contact time
- One 32 ounce bottle is more than enough to treat 12 passenger cars/light trucks



## UVU590260SK MiST X-Treme Sanitizing Kit - Scented

- Includes 590260 scented MiST Remarketing Formula



## KAS1500 3 Piece Hose Pinch Off Pliers Set

- Contains all three pliers, small, medium & large
- Self locking for firm grip
- 15 degree offset for hard to reach places
- Swivel jaw for positive pressure
- Comes in a plastic pouch • 1 year warranty

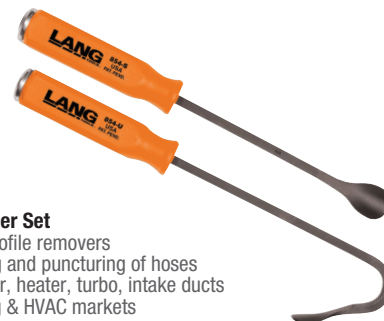


**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov



## KAS854 2 Piece HD Hose Removal/Installer Set

- Set includes straight and bent profile removers
- Rounded profile reduces gouging and puncturing of hoses
- For use on various hoses-radiator, heater, turbo, intake ducts
- Useful in the industrial, plumbing & HVAC markets
- USA Made



## MITMV4533 Cooling System AirEvac Kit

- Eliminates airlocks in vehicles cooling systems
- Check for leaks while system is under vacuum
- Patent-pending adapter cam mechanism ensures an air-tight seal with radiator and coolant bottle necks
- Quickly refills system without trapping air that can cause overheating



## MITMV7270 Cooling System Flusher & Spray Washer, 85 – 150 PSI

- Complete with interchangeable cooling system nozzles for quick and effective flushing of cooling systems without the use of solvents or harsh chemicals. Fits hoses 3/4" to 2" in diameter
- Variable Control Water Valve

Includes: Two interchangeable bayonet nozzles: MVA720 Spray Washer Nozzle and MVA430 Stepped-up Cooling System Flushing Nozzle, 1/4" Air Nipple, 3/4" Washer Inlet swivel and User manual



## OTC6043 "Blast-Vac" Multipurpose Cleaning Gun

- Two simple connections: one to shop air and one to a typical water faucet
- Creates a unique vortex air/water blast for powerful cleaning applications
- The tool can also be used to vacuum by turning the venturi inside the gun in the opposite direction; air flow is reversed to create a strong vacuum



## MITMV4525 Coolant System Test, Diagnostic and Refill Kit

- Patent pending coupler combines pressure, vacuum, and temperature testing capabilities in one kit
- Test cooling system with engine on or off to pinpoint leaks or diagnose blown head gaskets, cracked block, or damaged head(s)
- Refills cooling system in minutes without trapping air that can cause overheating
- Includes four (4) adapters for connecting to the most common radiator and coolant bottle necks found on domestic and Asian automobiles



## MITMV4535 Cooling System Air Evac and Refill Kit



## MITMV4570 Cooling System Flusher

- Combines water with compressed air to quickly and effectively flush the cooling system
- Stepped-up flushing nozzle fits hoses from 3/4" to 2" in diameter
- Adjustable air flow to provide intermittent blast of air to increase efficiency of flushing system
- Long Lasting, High impact, corrosion resistant construction.
- Working pressure: 85 – 150 psi



Includes: MVA430 Stepped-up cooling system flushing nozzle, 1/4 inch Air nipple, 3/4 inch Water inlet swivel and User manual





# COOLING SYSTEMS

## mityvac®

### MITMVA7607

#### 8" Locking Hose Clamp

- Angled jaws are ideal for accessing tight spaces
- Automatically locks and holds any position, lever-action quick-release



## OTC

### OTC4496

#### Hose Clamp Pliers Set

- Contains five different styles of hose clamp pliers
- Will service most flat-band and ring-style hose clamps
- Also contains a hose removal tool



#### Set Contains:

- Straight Hose Clamp Pliers Set
- Hose Removal Tool
- Flat-type Hose Clamp Pliers
- Offset Hose Clamp Pliers
- 45° Hose Clamp Pliers

### OTC4525

#### Flexible Hose Clamp Pliers

- Allows technician to access the flat-type hose clamps located in hard-to-reach areas
- Locking mechanism to hold clamp in the open position making removal and installation of clamp easier
- Heavy duty 24" cable flexes to almost any position
- Pliers is spring loaded to the open position



### OTC4502

#### 2 Piece Hose Clamp Plier Set

- Includes a cross slotted jaw pliers and a wide, flat band hose clamp pliers
- Services most ring-type or flat-band hose hose clamps
- Clamps are held open with a ratchet locking mechanism
- Jaws swivel to access hose clamps in any position



### OTC4510

#### 3 Piece Hose Pinch-off Pliers Set

- Shuts off flow through vacuum lines, fuel lines, coolant lines, etc.
- Cocking ratchet mechanism holds pivoting jaws tightly in place
- Heavy duty swivel jaws pivot to assure parallel pinching



Set includes: OTC4510-8 8" tool for small hoses and tight areas; OTC4510-10 10" tool for radiator and vacuum lines; OTC4510-12 12" tool for radiator and vacuum lines.

## K TOOL®

INTERNATIONAL

### KTI71100

#### Hose Pinch Off Pliers

- Eliminates the need to drain systems when servicing coding systems
- Pliers squeeze heater or radiator hoses shut and jaws swivel for parallel clamping
- Automatic locking ratchet
- May also be used to pinch off vacuum lines and fuel lines



## ROBINAIR®

### ROB75260

#### Coolant Refiller

- 26" Hg vacuum refills cooling system without air lock
- Eliminates the need for bleeding
- Checks for system leaks and utilizes OEM approved technology
- Universal "fits all" cone adapter
- Built in gauge protector



### ROBEVDC100

#### Electronic Variable Compressor Tester

- Eliminates misdiagnosing electronic variable displacement A/C compressors
- Quickly diagnose and verify valve function, lowering total repair time and costs
- Adjustable tester output
- Includes connect adapters for both old and newer style compressors



### ROB18403

#### Fin Straightener Set

- Clean and straighten condenser and evaporator coils
- Straightener head is 3-1/8" in diameter; handle is 3-1/2" long
- Includes 12 clearly marked combs
- Wheel 1: 8, 9, 10, 12, 14 and 15 fins per inch
- Wheel 2: 10.5, 11, 13, 18, 20 and 22 fins per inch



## ROBINAIR®

FACTORY  
DIRECT

FREIGHT  
DELIVERY



### ROB75700

#### CoolTech Coolant Exchanger

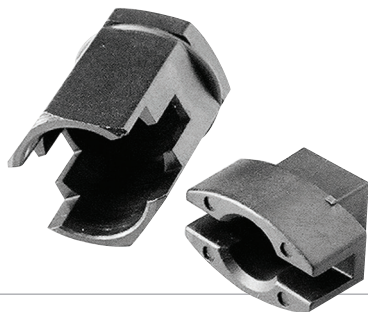
- Engine Off feature removes pulleys, belts and fan blades from the safety equation
- No additional ventilation required
- Vacuum mode creates a "push/pull" exchange process allowing the technician to safely remove high pressure in a hot system
- "Hands-off" transfer of used coolant to a bulk tank prevents spills and helps protect the technician
- Also features two clearly marked valves and an easy-to-read gauge

# THEXTON

## THX485

### Petcock Socket Set

- 1/4" drive set includes a steel universal socket to fit radiators, engine blocks, storage tanks, etc.
- Set also has a molded plastic socket to fit narrow wing plastic drain fittings, both plug and flow-through types
- Socket comes with an O-ring to hold a 7/8" wrench in place



## THX356

### Cooling Systems Backflush Tool

- Provides the technician with an easy way to flush the heater core
- 1/2", 5/8" and 3/4" inches hose size fittings
- Connects by using a normal garden hose
- Made of non-corrosive aluminum



## THX815

### Heater Core Back Flush Tool with Air Assist

- Tool fits 1/2", 5/8", & 3/4" heater hoses and uses a standard garden hose for water and 1/8"NPT for shop air fitting
- Basic garden hose hook-up cleans cooling systems & heater cores without disassembly
- No need to use acids or caustic solutions. Radiator pressure cap prevents over boosting



# UVIEW



## UVU550000

### Airlift Cooling System Refiller

- Eliminate airlocks in vehicle cooling systems
- OEM approved worldwide
- Checks for leaks while under vacuum
- Refills the entire cooling system including the Heater Core
- Eliminate time consuming bleeding and purging

Kit includes: Venturi connector with hose; fill hose with filter; (4) sizes of rubber adapters; universal cone adapter and storage case.

# UVIEW

## UVU570000

### Vacuum Antifreeze Drain and Fill

- Connects easily to most engine cooling systems—simply connect to radiator filler neck or reservoir tank. No need to cut header hoses or disconnect radiator hoses
- Test for leaks—confirms system integrity, reduces chance of refilling a leaky system
- Eliminates potential airlock problems—refill cooling system using "Patented" vacuum technology
- Refills in seconds—quickly refill from new or used coolant reservoir. Accurately pre-mixes water and anti-freeze in convenient 3 gallon (11.3L) holding reservoir
- Safely stores used coolant in a large 12 gallon (45.4L) environmentally friendly holding reservoir



UVU570000X  
Vacufill™ 570000X  
with Waste Pump



## UVU550000HD

### Heavy Duty Airlift II

- Eliminates airlocks during coolant refills
- Extra long refill hose designed for Heavy Duty trucks
- Streamline design, no switching hoses
- Reinforced glass-filled nylon construction
- Universal cone adapter to accommodate all HD vehicles

## UVU983700

Gauge For UVU550000 and UVU590000







## CTA7050

### Radiator Pressure Tester Kit

- Pump with gauge
- 12" hose and cap adapter
- 1/4" spacer washer
- 3 radiator adapters

Tests automotive pressurized cooling systems up to 30 PSI. Kit includes pump with gauge, 12" hose and cap adapter to check 3/4" deep filler necks, 1/4" Spacer Washer for testing 1" deep filler necks, plus 3 Radiator Adapters (#7090, #7091 and #7092).



Air Conditioning Products  
Tools, Equipment & Refrigerant

## FJC43664

### Radiator & Cap Pressure Tester Kit

- For use in pressure testing Radiator caps and radiators
- For use with most domestic and import autos and light trucks

Kit includes: FJC43700 - Thermometer, FJC43701 - Hand Pump, FJC43802BK - 123/124 Cap Adapter Black, FJC43802BL - 123/124/ Cap Adapter Blue, FJC43703 - 2-1/4" Tester Adapter, FJC43705 - 1-5/8" Tester Adapter, FJC43704 - 1-3/4" Tester Adapter, FJC43806 - Tester Adapter Dard Pink, FJC43807 - Tester Adapter Orange, FJC43808 - Tester Adapter Purple, FJC43809 - Tester Adapter Purple, FJC43810 - Tester Adapter Gray, FJC43811 - Tester Adapter White, FJC43812 - Tester Adapter Sea Green, FJC43813 - Tester Adapter Light Pink, FJC43814 - Tester Adapter Blue, FJC43815 - Tester Adapter Camo Green, FJC43816 - Tester Adapter Blue, FJC43817 - Tester Adapter Neon Green, FJC43818 - Tester Adapter Light Blue, FJC43819 - Tester Adapter Small Yellow, FJC43820 - Tester Adapter Brown, FJC43821 - Tester Adapter Large Yellow, FJC43822 - Tester Adapter Green, FJC43848 - Universal Coupler Adapt, FJC43849 - Coolant Refill Assembly and FJC43816 Cap Wrench in a Blow Molded Case.



## PBT70888

### UniTest Cooling System Pressure Tester Deluxe Kit

- Patented inflatable bladder attaches to radiator or header tank for system testing
- Fits bayonet and threaded filler necks on radiators or header tanks
- Universal attachment suits automotive, commercial, heavy duty, marine and motorcycle
- Includes radiator cap test adapters for testing 8 different radiator cap types



## OTC7991

### Cooling System Pressure Tester

- Now you can pressure test the cooling system on most cars, light commercial trucks, motorcycles, and even marine applications
- The tester's universal fit eliminates the need for multiple adapters



Note: Will not work on Saturn and Kia cars or Jeep with the plastic reservoir.



## MITMV4530

### Cooling System Pressure Test Kit

- Includes (4) easy-to-grip adapters to test most US and Asian Vehicles
- Large volume capacity reduces time and strokes required to pressurize cooling system
- Components connect using self-locking quick-disconnects for easy and time saving assembly and breakdown
- Thumb-operated relief valve for quick pressure release
- Additional US, European and Asian adapters sold separately

## MITMV4534

### Universal Cooling System Test Kit

- Large, easy-to-read 2.5" diameter gauge includes clearly indicated pressure test zones
- Includes hand pressure pump w/ 2.5" diameter gauge with push-button pressure release valve, universal radiator test adapter, custom-molded case, user manual (English, Spanish, French)



## MITMV4510

### Motorcycle Cooling System Test Kit

- Durable, lightweight, non-corrosive PVC construction
- Pivoting lever action maximizes output with minimal operator effort
- Gauge displays psi and kpa units
- Powerful in-line piston design
- One finger lever-action vacuum release



## MITMV4560

### Radiator / Cooling System Pressure Test Kit

- Test radiator and coolant bottle caps
- Contains adapters to test the cooling system and caps of most US and Asian manufactured cars



**Mastercool®**  
"World Class Quality"

\$396.38

## MSC43301-A

### 27 Piece Master Radiator Pressure Test Kit

- Detects and exposes external system leaks
- Detects internal engine leaks due to blown gaskets or cracked block
- Vacuum type cooling system
- Purge and refill for quick change of coolant
- Test Range: 0 - 35 psi



Includes 1 blue radiator cap test connector R123/R125, 1 black radiator cap test connector R123/R124, 1 thermometer, 1 universal radiator cap, 1 vacuum purge and refill tool, coolant hose, hand pump and 19 adapters (No.'s 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22 and 23) to fit most popular domestic and import cars and trucks and additional installation accessories.





## MSC43301-PTA Universal Pressure Test Adapter Kit

- Universal Design will Fit Most Automotive Radiators and Expansion Tanks
- Pressure Test Using The 43301-A or 43300 Hand Pump
- Vacuum Test Using The 43301-A Vacuum System Filler Kit or the 43013 Vacuum System Filler
- Ultimate coverage provided by 3 rubber ring gaskets included in the kit
- 1 year warranty on material and workmanship



**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

## MSC43302 25 Piece Cooling System Pressure Test Kit

- Detects and exposes external system leaks
- Sintered steel heavy duty adapter construction
- Detects internal engine leaks due to blown gaskets or cracked blocks
- Includes black and blue radiator cap test connectors
- 21 adapters, hand pump and thermometer



## MSC43300 14 Piece Universal Cooling System Pressure Test Kit

- Sintered Steel heavy duty construction adapters
- Resistant to high temperature and deformation
- Detects and exposes external system leaks
- Detects internal engine leaks due to blown gasket or cracked block
- Includes thermometer, hand pump and 12 adapters to fit popular foreign and domestic vehicles



## MSC43306 Mastercool Truck Cooling System Pressure Test Kit

- Universal adapters to fit most large trucks
- Exposes external leaks in cooling system
- Exposes cracked blocks
- Exposes internal leaks in engine due to blown gaskets
- Packaged in blow molded case



## MSC43705 Refractometer

- Quick test of freezing point of coolant / antifreeze
- Compatible with Ethylene or propylene glycol
- Measure battery acid gravity to verify battery life
- Automatic temperature compensation
- Easy to read graphics, adjustable viewfinder



## THEXTON

### THX101 Cold-Chek® Anti-Freeze Coolant Tester

- Tests to -34° - indicates optimal 50/50 mixture
- The original ball-type, specific gravity tester



### THX102 Cold-Chek® Professional Anti-Freeze Coolant Tester

- Sixth Ball shows overprotection with rugged safety shield
- Rugged, chrome plated safety shield of ABS plastic
- Also used to test Dex-Cool®

### THX106 Cold-Chek® Disc-Type Anti-Freeze Tester

- Large professional-size (16-1/4") tester is accurate at all temperatures
- Tests coolant, hot or cold
- Protection scale is printed in both Celsius and Fahrenheit



## THEXTON

### THX107 Antifreeze Tester Propylene Glycol Disc Type

- Professional 16-1/4 disc-type tester is used to test propylene glycol based antifreeze in automotive radiators and fresh-water systems in RV's and boats
- Number of floating discs measures degree of protection at any temperature, discs are temperature compensated
- Readings in Celsius and Fahrenheit



### KTI70211 Antifreeze Tester

- Hydrometer immediately and accurately tests strength of all permanent solutions (ethylene glycol), with engine hot or cold, and includes temperature adjustment scale for accurate interpretation of mixture strength
- Assists in preventing winter freeze up and summer boil-over
- Two embedded scales show freeze point of radiator solution and boiling point of summer coolant
- +32° F thru -45° F



## ROBINAIR

### ROB75240 Coolant and Battery Refractometer

- Used for measuring the freezing point of either propylene or ethylene glycol based cooling systems
- Checks the strength of electrolyte solution batteries
- Features high-quality optics with ultra smooth focusing
- Scale range: 32° F to -60° F



## ROBINAIR

### ROB75134 Econo-Clean Coolant Service Test Strips

- Just dip a strip in coolant and it shows the freeze point and the pH
- Bottle of 50 strips



**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

# 2024 BEAT THE HEAT A/C PRODUCTS

## TOOLWEB<sup>SM</sup>

## SPECIAL EDITION

### NON PRICED

**KTOOL<sup>®</sup>**  
INTERNATIONAL

## XD

KTIXD275

**Thermal Image Camera**

- 2.4" Large LCD display
- 240x320 pixel Color LCD

⚠ **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



**PORTACOOOL<sup>™</sup>**

WHEN COMFORT COUNTS<sup>™</sup>



PORPACA40001A1

**Portacool Apex 4000**

- 36" fan assembly to cool up to 4000 sq. ft.
- 55 gallon water reservoir



**PLEASE NOTE:** All prices are subject to change at any time without notice. Due to recent Tariff changes by the U.S. Government, it may be necessary to implement a Force Majeure pricing event on certain products. This advertisement was prepared in advance, therefore, merchandise availability could be limited and is subject to the delivery schedule of the manufacturers. Advertised items may not be stocked by all locations. We are not responsible for typographical, pictorial, or pricing errors.

Products advertised within this publication may contain chemicals known to the State of California under Proposition 65 ("P65") to cause cancer, birth defects or other reproductive harm. Many products are noted with a P65 WARNING; however, the warnings may not apply to all items. Further, as this is a new regulation and all vendors may not have yet identified their products as subject to P65, all items that need a warning may not be noted. Contact the manufacturer for specific details regarding P65. We appreciate your understanding as we navigate these new requirements.

**CAUTION:** Always wear appropriate safety equipment and observe safety advice and proper use of equipment as instructed in warning and caution labels and operating instructions.

# ROBINAIR<sup>®</sup>

ROBLD7

**LD7 Refrigerant Leak Detector**

- R134a and R1234yf compatible
- Sweep mode function to pinpoint leak source



ROBAC1234-4

**Premier R-1234yf Recover, Recycle and Recharge, RRR AC Machine**