# Tool & Equipment Quarterly

# **Air Conditioning**

Recovery / Recycling / Recharging



Cool-Tech 34288

SKU **221185** 34288

Cool-Tech 34788

SKU 221210 3,

Premium A/C Recover, Recycle and Recharge Machine

SKU **249512 5 4 0 0 0 0** 

**Combining Simple Operation With Superior Accuracy:** Whether it's the fully-automatic 34988, 34788 or the semi-automatic 34288, these machines will test, recover, and recharge R-134a automotive AC systems quickly and accurately.



Recycling Filter-Driers • Specially Blended for Maximum Acid and Moisture Removal SKU 414883 **5 199** 

Spin-on filter for 17700-2K, 34134A, 34134-2K, 342000, 34234, 34300-2K, 34700, 34700-2K, 34800, 34800-2K, 34900 Series

Features:	34288	34788	34988
Fully-Automatic Function: Program to recover, vacuum, leak test and charge without operating panel valves.	-	V	V
Automatic Dye Inject: Gives the user the ability to use the machine to inject UV dye into a vehicle's A/C system.	_	-	V
Automatic Oil measure & Inject: The machine will automatically determine how much lubrication oil needs to be injected back into the A/C system based on how much oil was taken out during recovery.		-	V
Automatic Oil Drain: A display reminds you to empty the graduated container to show the amount of oil to replace.	V	<b>~</b>	V
Oil Inject: Less than 1% cross-contamination.	-	<b>✓</b>	<b>✓</b>
Refrigerant & Oil Database: For North American market vehicles 1994 - 2007 (updates available mid-2008).	-	Optional	Optional
Save & Print before and after service data: Allows the user to store before and after service information by vehicle and print this information to provide to a customer.	-	-	<b>✓</b>
Indicator light and notification alarm: Notifies the user when service is complete, or if a problem has occurred.	-	-	~
Vacuum Leak Test: Monitors level after evacuation, informs of possible leak.	_	<b>v</b>	~
Automatic Air Purge: Eliminates damaging air without monitoring gauges or opening valves.	~	<b>v</b>	4
Automatic Refrigerant Refill: Maintains a user-selectable amount of refrigerant in an internal vessel and signals when it's time to change supply tank, no monitoring required.	<b>V</b>	V	V
Vacuum Feature: Defaults to 15 mins, programmable up to 99 mins. "Remaining time" is displayed.	-	<b>✓</b>	~
Display: Multilingual	<b>V</b>	<b>V</b>	<b>V</b>
Refrigerant Charging: Select a charge mode from high or low side.	High or Low	High/Low/Both	High/Low/Both
Refrigerant Management System: Displays refrigerant use and monitors remaining filter life. Prompts appear when 1/3 of filter life remains.	~	V	V

# *Vacuum Pumps*



#### Air Operated **Vacuum Pump**

SKU **369456 5 499** MSC91200

- Requires 90 Lbs PSI Shop Air
- 1.3 CFM Air Displacement • Achieves 29" of Vacuum



4 CFM Single Stage Vacuum Pump

SKU 436054 CPSVPC4SU 7 6 899 • 1/4 HP with 75 Microns

2 CFM Single Stage Compact **Vacuum Pump** 

SKU 436051 CPSVPC2SU 7 4 8 99



6 CFM Vacuum Pump

SKU **217357** CPSVP6S 15399

• 1/3 HP



**6 CFM Vacuum Pump** SKU **290025** MSC90066A 🥒

**3 CFM Vacuum Pump** SKU **853190** MSC90062A

- 1 Stage 3 CFM Free Air Displacement
- 1/4 HP Motor 1720 RPM



Manual Coupler Set..... .. SKU **110255** CPSQC134SET (Red and Blue).... 3699 High Side Manual R134a. SKU 290034 MSC82834 ..... • 14mm-F X 16mm Quick Manual Coupler

Low Side Manual R134a.. SKU 290037 MSC82934..... • 14mm-F X 13mm Quick Manual Coupler

Snap Coupler Set ...... SKU 217374 CPSQC13490SET (Red and Blue). 2699 • 14mm Thread • Push On Snap

High Side Snap Coupler ... SKU\_110253 CPSQCH13490 (Red)...... 1699

Low Side Snap Coupler .... SKU 110273 CPSQCL13490 (Blue) ...... 1699

# **Manifold Gauges**



#### **Solid Brass Manifold with** Couplers and 6' Hose

SKU **217359** CPSMB1234

- 68mm Steel Gauges
- Snap-N-Seal R134A Couplers and Tank Adapter



### **R134a Brass Manifold Set** SKU **290026**

MSC66661

- Anti Flutter Gauges
- 60" Nylon Barriers Hoses
- With Couplers

CDS.

• Extra Access Port For Vacuum Line Gauges Can Be Calibrated For Accuracy

## R134a Aluminum **Manifold Set**

SKU **290023** MSC89660UV **14999** 

- Aluminum Manifold w/60" hose set. Couplers and Sight Glass
- Free 10 application Mini Dye Injector

6' Hose

SKU **436027** 

CPSMAIA6Q

aluminum

no flutter

6 foot hoses



# R134a Gauge Set

MSC89661UV

• Aluminum Manifold w/60" hose set,

- Couplers and Sight Glass
- Free 10 application Mini Dye Injector
- Flutter free silicone dampened 2-1/2" Guages

### Vortech Manifold with Couplers and 6' Hose

SKU **217361** CPSMV71A6Q **16999** 

- Aluminum Extruded Durable
- Body with Vortech Sealing System
- Parker Manual Couplers



CDS'

# Manifold

SKU **217360** CPSMAID8QCZ

- 68mm All Chrome
- (3) 6' Black Widow Premium Hoses, Chrome Fittings

**Z**OBINAIR.

AN SPX BRAND

# Oil Injectors



R134a Oil Injector SKU **369458** 

MSC82375 3999



- CPSTLJ4 • 2 oz in line oil and die injector with 1/2" Acme
- Connects to the low side of any manifold



SKU **436039** CPSUVNJ2

**69**<sup>99</sup>

- SAE fitting
- 1/4 Oz. Oil and Die Screw **Injector with 14mm Fitting**

CPSUVNJ34



• 1/2 oz oil and die screw injector with 1/4" • Connects to the low side of A/C system

SKU 436047 7 7 99



# Replacement

# • Aluminum Manifolds Include Sight Glass

**Dual R12/134a Kit** 

SKU **221237** 

**249**00

47150

• 72" R-134A Hose Set (1/2" ACME X 14mm)

• 72" R12 Hose Set (1/2" ACME X 1/4" mfl)

• Manual 90° Fittings • Side R-134A Hose Holders

1/4" SAE Hose Set 6' SKU 110271 4999 CPSHP6



1/2" Hose Set 6' SKU **110272 54 99** CPSHA6

Hoses

# **Air Conditioning**

# Recovery / Recycling / Recharging

ACS 620 Digital A/C Refrigerant Handling System

SKU **289886** BOSF00E900655\*

- Upgradeable Software Via USB Port
- Fully Compliant With SAE J2788 Standard
- Innovative 180° Swivel Control Turret Houses Easy-To-Read 4" Gauges, Large 4X20 Character LCD Display
- Fully-Automatic Programming

# **ACS 625 Advanced System**

SKU **289894** B0SF00E900685\*

- SAE 2788 Certified with Integrated Micron Sensor
- On-Board Ambient Temperature and Humidity Measurement • Fully Automatic Programming & Standard, Integrated Printer Kit
- Temp. Probes Allow Before and After Temp. Measurement
- Externally Mounted Oil Drain Bottle • USB Port for Optional Database and Future Software Upgrades

# **ACS 620 Digital System with Factory Installed Printer**

BOSF00E900680\* **4.34900** 

ACS 620 Digital System with Factory Installed Printer and Refrigerant Identifier

BOSF00E900681\* **5,44900** SKU **289893** 

Visit www.boschdiagnostics.com for Program Details

**Purchase Bosch** 

**ACS unit TODAY** 

And receive a 5 yr parts and two yr labor warranty, 5 Filter Kits, 5 Refrigerant Databases and Penguin Point of Purchase

Kit at no additional charge.

Free Delivery!



#### Recovery/Recycle/Recharge SKU **290018**

MSC69788

- Includes Refrigerant Capacity Database for Over 1.000 Vehicles Through 2010
- Auto Vacuum Leak test, Auto Oil Discharge, Auto Air Purge
- Auto Alarm when FilteChange is Required
- Internally Mounted 30lb DOT Tank
- HD 6 CFM Vacuum Pump



#### Portable A/C **Recovery System** SKU **290024**

MSC69100

- Hi-Performance Oil-less Compressor
- Includes an Oil Separator and Filter Dryer to Clean Refrigerant During Recovery
- Recovers all Refrigerants, 30lb DOT Recovery Tank Included

CEMERAL



CPSLS790B Leak Detector with Purchase of CPSAR2788S SKU**186593** Retail Value \$155.99

BONUS

**Refrigerant Recovery/ Recycling/ Recharging Machine** SKU 186593 CPSAR2788S 2,59999

- Fully Automatic with Gear Reduction Ball Valves
- Self Diagnostic Tells You Where The Problem Is
- Easily Repairs System, Less Downtime

• 2 Year Warrenty, 1st Parts and Labor, 2nd Parts Only

41 Cubic Ft Replacement Filter Drier

SKU 186483 6599 CPSARXF5

ඟs

# Electronic Leak Detectors





**HVAC-R** 

Detector

SKU **186422** 

GTCRLD102

• 14" Stainless

Probe

Detects all

Leak

Refrigerant

# **Electronic** Refrigerant

**Leak Detector** SKU **217364** 

CPSLS790B

- Patented Ion-Pump Sensor with Built-in Filter Housing
- 100+ Tones Varying in Intensity with Leak Size
- Freon Gasses • 10 High Intensity Sensitivity Bar Graph Adjustment Dial



Leak-Seeker Refrigerant **Leak Detector** 

CPSLS780C

- High or Low Sensitivity
- LED Indicator Of Leak Size Varying in Loudness With the Concentration of the Refrigerant Detected



# SKU **436026**

- A Rugged Three Position Slide Switch to Turn on and Select
- Ion Pump Sensor Technology Creating A High Sensitive Refrigerant Leak Detector



BOSCH



#### **Electronic** Refrigerant Leak Seeker with E-MOS **Technology**

SKU **290000** CPSLDA1000

165<sup>99</sup> Meets the New J2791 for R134a and the J2913 for

HFO-1234vf Gases

• 50 Hour Battery Life On 3 "C Alkaline Batteries • Made In The USA





# & 5 Detection Levels SKU **290030**

MSC55100

- 16999 3 Levels of Sensitivity (5 Levels of Detection)
- Visual Leak Level Indicator Detects all Re
- frigerants (CFC's, HCFC's, HFC's)



# SKU 110445 TIFRX-1A 1**79**00

 Microprocessor Controlled Circuit with Advanced Digital Signal Processing

- Certified to SAE J1627 Variable Frequency
- Audible Alarm • 14" (35.5 cm) Flexible Stainless Steel Probe
- with Teflon Liner • Tactile Keypad Controls with One Touch Reset and Adjustable Sensitivity
- Six-Segment Visual Leak Size Indicator



High Performance Refrigerant **Leak Detector** 

SKU 186420 GTCRLD380L

- Multi-Colored Display • High-Low Sensitivity Selector
- 15" Flexible Stainless Probe • Detects all Freon Gasses
- Alarm Buzzer with Tricolor Bar Indicator



"Inspector"

**UV** Leak

**Detector** 

SKU **290031** 

MSC55200

77999

• Ultra Bright UV/

Blue LED Light

• 6 Levels of Sensi-

Tri-Colored Visual

• UV Enhancing

Safety Glasses

Leak Level Indicator

Detection)

tivity 15 Levels of

2-in-1 Electronic

**Leak Detector** SKU **221225** TIFZX-1

 Patent Pending Heated Pentode™

- Sensor Technology Refrigerant Specific Detection
- Detects All Halogenated Refrigerants at Levels Below 0.1 Oz/Yr, as Low as 0.05 Oz/Yr for R-12
- Sensor Failure Indication
- Tactile Keypad Controls with One Touch Reset and Adjustable Sensitivity



**Clip-On UV Light** SKU **436037 CPSUVMINI** 

**24**99 • Small in Size

- Large in Design UV Leak detector light can be clipped on to any 1/4" to 3/8" probe • A true UV-A(long
- wave UV) to detect the smallest die leaks • Compatible with all UV leak DyesSmall

size only 2 1/2" long by 1/2" dia.

**─** Mastercool:

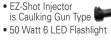
# UV Leak Detection

# EZ-Shot™ A/C Leak Detection Kit with OPTI-Lite™

SKU **291402** TRATP8626 • Quick to Install and Runs Fast

Through System

- Services Up to 64 Vehicles
- is Caulking Gun Type









**Engine Coolant Dye** ..

TRATP39000601.. • Contains Six 1 Oz. Bottles Fluoro-Lite® Universal A/C Fluorescent ......SKU 291398

..SKU **291397** 

TRATP38400601 ...... . Contains Six 1 Oz. Bottles

Dye-Lite® All-In-One™ Full Spectrum Oil Dye ..SKU 291395 TRATP3405 .... • Contains Six 1 Oz. Bottles

Glows Yellow/Green

# TRACER PRODUCTS

Complete A/C and Fluid Leak **Detction Starter Kit** 

TRATP8621

**7 LED UV** 

UV Light Detects Dyes

Light SKU **217367 CPSUVPRO** 

Inspection

SKU **291378** 

 50 Watt 6 LED Lamp • Pinpoints A/C, Oil Systems and Coolant Leaks

• EZ-Ject Dye Injector with 3

1 Oz Bottles of Dye



CDS.



5 LED and **UV Light Magnifier Glass** SKU 191688 **1 7 9 9** 25465





# Hydra- Krimp Hydraulic A/C Hose Press Kit

SKU **290027 53999** MSC71500

- Lightweight Hand-Held Portable Press
- Comes with a Complete Set of Dies: #6, #8, #10 and #12 • Dies Snap Quickly Into Press Fixture, No Screws Or Pins Needed



Manual A/C Hose Crimper SKU **290028 224 99** MSC71550

• Comes With a Complete Set of Dies Covering #6, #8, #10 and #12 Hoses

• Dies Snap into Place, No Screws Or Pins Needed

• Can be Bench or Vise Mounted



Capacity: 1/8" to 7/8"





• Capacity: 1/8" to 1-1/8"

# Tool & Equipment Quarterly

# Air Conditioning

# **Digital Scales**



# **Accu-Charge II Electronic Charging** Scale 240Lb. Capacity

- SKU **290029** MSC98210A **19799**
- Constructed of HD Die Cast Aluminum
- 240 Lb Capacity
- Programmable Charge Alarm



## **Digital Weight** Scale

SKU **217363 1 8 5 99** CPSCC220

- Compute-a-Charge High Capacity Charging Scale
- 0-220 Lb Capacity
- Removable Platform for Use in Tight Areas



CDS.

# 110 lbs **Portable Scale**

SKU **436025** CPSCC110

- 110lbs/50Kg portable scale comes in a blow molded case
- This scale has a 5 gram resolution capacity for those small charges
- Compact scale that works hard for those small jobs5 grams resolution for those small charges



**Orifice Tools** 

# **Air Conditioning Service Tools**



## A/C Clutch **Pulley Puller**

SKU **472357** 27001

STORE STOCK

• Makes AC Compressor Pulley Removal Jobs



STORE STOCK • Holds Compressor Clutch in Place

#### A/C Clutch Hub Remover

SKU **472381** 27005 3000

STORE STOCK

• Removes Club Hutch from Ford ES-6 Compressor

#### A/C Clutch Plate Remover

SKU **159079** 27002 2 100

STORE STOCK

• Used for GM A6 and R4 Compressor Clutches

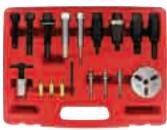
# OEM'



**Puller Jaws** 

SKU **472506** 27008

 Additional Jaws for Use with the OEM 27001 AC Pulley Puller



A/C Clutch Tool Kit SKU 948077 1000 27150

 For Removal and Installation of AC Compressor Clutches for Ford, GM and Chrysler

# A/C Clutch Installer

SKU **472415** 27007 1700

STORE STOCK

• For Use in Conjunction with OEM 27006, A/C Clutch Hub Plate Remover to Install Chrysler C-171, A590, 6C17 and Tecumseh HR-980 Compressor Clutches

#### A/C Clutch Hub Plate Remover

SKU **472407** 27006 **2300** STORE STOCK



• Removes Club Hutch from the Compressor • For Use with Chrysler C-171, A590, 6C17 and Tecumseh HR-980 Compressor Clutches

# Can Taps

**Refrigerant Can Tap** 

SKU **217375** CPSTLCT1234

• 3-in-1 Can Tap for R12, R134A and Oil • Everything Included for Any Refrigerant Can

3-in-1 Side Mount **Can Tap Valve** 

SKU **290033** 

MSC85530

• 3 in 1 Side Mount Can Tap with Valve • Includes 1/2" ACME-M and 1/4" FL-M Ports

• Covers 2 7/8" (R134a), 2 1/2" (R12) and 2" (Oil) Charge Cans



# **Orifice Tube Installer**

SKU **217355 3499** CPSTLOTK

**Orifice Tube Tool** 

SKU **472423** 

STORE STOCK

27004

• Includes Remover, Extender Body • Damaged Tube Extractor for

1985-2004 GM, Ford and Most Import Clutch Cycling Systems





# A/C Disconnect Tools



**15 Piece Master Disconnect Set** 

sки **900807 2099** 27195

• Includes Fuel and Transmission Line Disconnect Set, Oil Cooler Line Remover, Air Conditioning and Fuel Line Disconnect Tool

**Quick Connect Tools** SKU **363869 1 199** 25184

**OEM** 

STORE STOCK

• Sizes: 3/8", 1/2", 5/8" and 3/4"

• Enables Quick and Easy Disconnect of Air Conditioning

# **Thermometer**

# OEM'

**Non-Contact** Infrared **Thermometer** 

SKU **951642 9 0 99** 25245 STORE STOCK

- Temperature Range: 35° to + 365° C, -31° to +689° F Distance to Spot Ratio of 8:1
- Laser Pointer





MSC52224ASP 54 • Target Laser Accuracy

- Range From -4 to +932F Degrees Non Contact Reading
- Constant Maximum Temperature Displayed





**20**99

 Disconnects spring lock couplings on Ford and Chrysler AC lines • Six sizes 5/16", 3/8", 1/2", 5/8" 3/4" and 7/8"



# Couplings

A/C and **Fuel Line** Quick **Connect Tools** SKU **002356 199** 25052

STORE STOCK

• Easily Disconnects Air Conditioning Lines and Quick Connect Fuel Lines

CPS'

# Flush Machine



- Forward or Reverse Flush Without Changing Hoses
- 21/2 Gallon Capacity Tank for

# **AC Flush** 1 Gallon

SKU **436040** CPSAFMSF

- Superior flush removes particles including common leak sealants, which are damaging to refrigerant recovery machines and A/C system components
- Removes Leak Stop Polymers along with oil and particles • Ideal for use with major flush

**AC Flush 4 Gallon** SKU **436091** CPSAFMSFC

# CDS.

### Flush Gun Kit SKU 217356 **4399** CPSTLFG

Add Solvent and Use

Reusable Flush Reservoir }and All Hoses



# SKU 217370 89999 CPSAFM100 • 8 Ft Hoses To Reach Any System Use on Cars and Buses • Universal Couplers • Clear Filter Bowl





