Service Equipment

Leak Detection Equipment....325
  Tracerline Leak Detection........325

Flush & Recharge Equipment...328
  A/C Flush Equipment ...............328
  Recovery, Recycling, Flushing &
  Recharging Equipment...........328

Miscellaneous Service
Equipment..................................329
  Manifold Gauge Sets...............329
  R-134a Dispensing Tools..........331
  A/C Service Products ...............331
  Refrigeration Tape...............333

Call: (800) 499-6849 for Technical Assistance
Leak Detection Equipment

Tracerline Leak Detection

**LEAKFINDER BIG EZ Kits for all A/C Systems**

Package Size: 4 oz. & 8 oz. Cartridges

Includes a 4 oz. BIG EZ cartridge with Fluoro-Lite universal A/C dye and injector assembly plus complete hardware.

Treats up to 32 vehicle A/C systems.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-134a/PAG/Dye Kit</td>
<td>2999003</td>
</tr>
<tr>
<td>R-134a Universal Ester Dye Kit</td>
<td>2999004</td>
</tr>
</tbody>
</table>

**Glo-Away Dye Cleaner/Remover Refill Bottle**

Package Size: 16 oz

Removes all traces of dye from repaired leak sites so repairs can be verified.

Water-based, nontoxic, nonflammable, noncarcinogenic, biodegradable and has no offensive odor. Contains no harmful solvents or CFC's and is sage for use on plastic, rubber and metal. Product can be shipped without a hazardous material surcharge.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glo-Away Dye Cleaner/Remover Refill Bottle</td>
<td>2999005</td>
</tr>
</tbody>
</table>

**LEAKFINDER BIG EZ Fluorescent A/C Dye Cartridge**

Package Size: 4 oz. & 8 oz. Cartridges

The only solvent-free dyes certified to meet or exceed SAE standard J2297.

Fits all popular caulking gun and pump type dye injectors.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-134a Universal POE (4 oz.)</td>
<td>2999006</td>
</tr>
<tr>
<td>R-134a Universal POE (8 oz.)</td>
<td>2999007</td>
</tr>
<tr>
<td>R-134a PAG (4 oz.)</td>
<td>29990102</td>
</tr>
<tr>
<td>R-134a PAG (8 oz.)</td>
<td>29990103</td>
</tr>
</tbody>
</table>

**Glo-Away Dye Cleaner/Remover Refill Bottle**

Package Size: 16 oz

Removes all traces of dye from repaired leak sites so repairs can be verified.

Water-based, nontoxic, nonflammable, noncarcinogenic, biodegradable and has no offensive odor. Contains no harmful solvents or CFC's and is sage for use on plastic, rubber and metal. Product can be shipped without a hazardous material surcharge.

<table>
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<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glo-Away Dye Cleaner/Remover Refill Bottle</td>
<td>2999005</td>
</tr>
</tbody>
</table>

**R-134a PAG 100 (8 oz.)**

2999085

**R-134a PAG 150 (8 oz.)**

2999086

**R-134a Ester 100 (8 oz)**

2999093

PAG oil cartridges used with pump type injectors.

**BiG eZ Oil cartridge**

Package Size: 8 oz. cartridges

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-134a SA SAE Lowside Hose Assembly *Comes with R-12 adapter</td>
<td>2999096</td>
</tr>
<tr>
<td>R-134a AC&amp;R hose and R-12 adapter/purge fitting</td>
<td>2999096</td>
</tr>
<tr>
<td>EZ-Ject dye injector</td>
<td>2999096</td>
</tr>
</tbody>
</table>

**Complete OPTIMAX/EZ-Ject Heavy-Duty Kit**

- Carrying case
- 8 oz. GLO-AWAY dye cleaner
- Fluorescence-enhancing glasses
- OPTIMAX LED flashlight with charger
- Dye service underhood labels
- 8 oz. All-In-One dye for oil, fuel, ATF, power steering and hydraulic leaks
- 8 oz. dye for coolant and truck/trailer/auto body leaks
- (2) 1/2 oz. EZ-Ject universal dye cartridges
- R-134a AC&R hose and R-12 adapter/purge fitting
- EZ-Ject dye injector

Pinpoint all refrigerant and fluid leaks.
# Leak Detection Equipment

## Tracerline Leak Detection

<table>
<thead>
<tr>
<th>Part No. 2999097</th>
<th>Part No. 2999098</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OPTIMAX Cordless, Rechargeable Leak Detection Flashlight</strong></td>
<td></td>
</tr>
</tbody>
</table>
| **COBRA Multi-Purpose Borescope**  
Features UV LED for detecting fluid leaks, refrigerant leaks and surface flaws, plus white light LED for component inspection. |

- Super-high intensity LED bulb with 100,000-hour service life
- 10 times brighter than regular LED lights
- Over 6 hours of peak performance
- Power comparable to super-high intensity 100W lamps
- Inspection range of up to 20 feet (6.1 m) or more
- Compatible with all leak detection dyes
- Powered by a rechargeable NiMH battery
- 120V, 230V, 240V or 100V AC charger included
- Flourescence-enhancing glasses
- Superior optics and adjustable-focus eye piece allow crystal clear viewing
- 24 inch “no-droop” cable maintains position for easier access into hard-to-view areas
- Strong impact and water-resistant nylon housing stands up to the daily abuse of a shop environment
- Pistol grip handle provides steady, comfortable viewing
- Clip-on mirror permits viewing at an angle to detect “hidden” leaks and flaws
- Flourescence-enhancing glasses
- Carrying case

## PRO-Alert Portable Refrigerant Leak Detector

Features high-performance heated-diode sensor technology.

- Detects leaks as small as 0.4 oz/year
- Automatically self-calibrates to neutralize background contamination
- Sensitive to both R-12 and R-134a refrigerants
- Certified to meet SAE J1627
- High/low switch for accurate diagnosis of both large and small leaks
- Variable-intensity audible alarm plus flashing LED help pinpoint leaks fast
- Flexible metal probe holds its position in tight quarters
- Easily replaceable foam filter protects sensor and pump
- Includes replacement filters, (2) D cell batteries and rugged carrying case

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Leak Detection Equipment

Tracerline Leak Detection

<table>
<thead>
<tr>
<th>Part No. 2999100</th>
<th>Part No. 2999101</th>
</tr>
</thead>
</table>
| **Marksman Ultrasonic Diagnostic Tool**  
Converts and amplifies inaudible ultrasonic sound into audible “natural” sound for accurate diagnosis of leaks and defects. Finds problems before they result in major breakdowns.  
• Detects air brake, compressed air, vacuum and other pressurized leaks quickly and effortlessly  
• Pinpoints gear and bearing wear in wheel hubs, transmissions, transfer cases, differentials and electric motors  
• Checks for electrical discharge associated with insulation breakdown, carbon tracking and arcing  
• Unique ultrasonic emitter helps find faulty seals, gaskets and weather stripping in truck cabs, trailers and other non-pressurized enclosures | **Quad Max Pro**  
Flexible, Multi-Function LED leak Detection Lamp with Mirror  
• Three lamp positions: UV/White/Off (3 UV LEDs for leak detection and 1 white LED light for regular inspection, all 100,000-hour life bulbs)  
• Flexible head allows precision positioning in tight spots  
• Adjustable service mirror helps pinpoint “hidden” leaks  
• Powered by 3 "AAA" batteries (included)  
• Fluorescence-enhancing glasses |

<table>
<thead>
<tr>
<th>Part No. 2999072</th>
</tr>
</thead>
</table>
| **R-12 & R-134a Deluxe Leak Seeker Detector**  
**Includes:** Ear phones, case, extra sensor and (4) AA batteries.  
• 10 Sensitivity ranges  
• Automatic calibration  
• 18” Flexible probe  
• LED display  
• Low battery indicator |
### A/C Flush Equipment

**A/C Flush Gun Kit**
Part No. 2999019

With hose and rubber tip nozzle. Compatible with R-12, Freeze 12 or R-134a A/C systems.

**A/C Flush Capture Hose**
Part No. 2999020

### Recovery, Recycling, Flushing & Recharging Equipment

**R-12, R-134a, R-22, R-502 MP & HP blends - and many more**
Design certified by UL to meet SAE J-1770 standards

**R-134a Recovery, Recycling, Evacuation, Leak tests & Recharging Unit**
Part No. 299907

Meets SAE J-2788 standards for accuracy: 95% refrigerant recovery and charging to +/- 1/2 oz.

**Comes with:**
- Lockout panel prevents mixing of refrigerants
- Two 50-pound tanks

**Features:**
- Microprocessor - controls functions; prompts lead you through programming and also signal when it's time to change filter-drier, vacuum pump oil, and compressor oil
- Float Chamber - automatically adjusts from liquid to vapor for most efficient recovery
- Electronic Scale - makes it simple to recharge to factory specs; also weighs recovered refrigerant and provides tank overfill protection
- Vacuum Pump - 6 CFM has the capacity to thoroughly evacuate the system, readying it for recharging

**Part Number Reference:**
- Recycling Filter-Drier: 19776
- VP Oil Type: 13203 quart (13204 gallon)

**R-134a Recovery, Recycling, Evacuation, Leak tests & Recharging Unit**
Part No. 299908

**Comes with:**
- Lockout panel prevents mixing of refrigerants
- Two 50-pound tanks

**Features:**
- Automatic Air Purge
- Refrigerant Charging
- Refrigerant Management
- Vacuum Function
- New 4x20 multilingual display

**Part Number Reference:**
- Filter-Drier: 34724
- VP Oil Type: 13203 quart (13204 gallon)
Miscellaneous Service Equipment
Recovery, Recycling, Flushing & Recharging Equipment

R-134a Recovery, Recycling, Evacuation, Leak tests & Recharging Unit
Meets SAE J-2788 standards for accuracy: 95% refrigerant recovery and charging to +/- 1/2 oz.
Combines simple operation with superior accuracy.

Features:
• Recovers 20% More Refrigerant
• Charge Accuracy +/- 1/2 Ounce
• Control panel offers flat storage feature when not in use
• Database expansion slot
• Two large tool storage areas
• Change between traditional & hybrid vehicle systems without fear of cross contamination with improved oil injection
• New 2X larger display makes it easier than ever to use
• Built-in storage for extra filter
• On-board storage for compressor oils
• With Automated A/C Service

Functions:
• Vacuum Leak Test
• Automatic Refrigerant Refill
• Automatic Air Purge
• Automatic Oil Drain
• Refrigerant Charging
• Refrigerant Management
• Vacuum Function

Part Number Reference:
• Filter-Drier: 34724
• VP Oil Type: 13203 quart (13204 gallon)

Manifold Gauge Sets

Part No. 2799111

R-134a Gauge Set with 72” Hoses
Contains R-134a Auto A/C 2-way manifold gauge set with hoses and manual couplers. Hose connections for blue and red hoses are 14mm-M. Yellow hose is 1/2” ACME-F with auto shut-off valves. Gauges are 2 1/2” in PSI/KPa F°.

Part No. 2999021

Complete Multi-Refrigerant Gauge Set with Hoses
Contains 36” red and blue, 60” yellow hoses for use with multiple refrigerants including R-12, Freeze 12, R-134a, R-22, R-500, R-502 as well as other alternative refrigerants.
<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2999022</td>
<td>Complete Multi-Refrigerant Gauge Set with Hoses w/o Dispensing Valve</td>
<td>2999023</td>
<td>Manifold Gauge Set w/ Hoses</td>
</tr>
<tr>
<td></td>
<td>72” red, yellow, blue, low-permeation, barrier-type hoses and low-profile, heavy duty high and low side service couplings.</td>
<td></td>
<td>A professional mobile A/C manifold gauge made specifically for R-134a systems.</td>
</tr>
<tr>
<td>2999024</td>
<td>Complete Multi-Refrigerant Gauge Set w/o Hoses</td>
<td>2999025</td>
<td>Generic Low Side Manifold Gauge</td>
</tr>
<tr>
<td></td>
<td>For use with multiple refrigerants including R-12, Freeze 12, R-134a, R-22, R-500, R-502 as well as other alternative refrigerants.</td>
<td></td>
<td>A quality replacement low side manifold gauge for any multi-refrigerant Manifold Gauge Set. Features recalibration adjustment (Blue).</td>
</tr>
<tr>
<td>2999026</td>
<td>Generic High Side Manifold Gauge</td>
<td>2999028</td>
<td>R-12, R-22, R-502 Gauge Set with 72” Hoses</td>
</tr>
<tr>
<td></td>
<td>A quality replacement high side manifold gauge for any multi-refrigerant Manifold Gauge Set. Features recalibration adjustment (Red).</td>
<td></td>
<td>Contains R-12, R-22, and R-502 2-way manifold gauge set with hoses. Standard Hose with Auto Shutoff. Hose connections are 1/4” SAE. Gauges are 2 1/2” in PSI and F°.</td>
</tr>
</tbody>
</table>
## Miscellaneous Service Equipment

### R-134a Dispensing Tools

<table>
<thead>
<tr>
<th>Part No. 2999030</th>
<th>Part No. 2999032</th>
<th>Part No. 2999110</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>R-134a EZ Tapper (Green)</strong>&lt;br&gt;Makes servicing R-134a A/C systems with 12 oz. cans of refrigerant faster and easier. Also includes an adapter for 4 oz. cans of oil charge.</td>
<td><strong>R-134a Professional Dispensing Valve</strong>&lt;br&gt;For use with R-134a 12 oz. cans. Includes large handle for easier operation.</td>
<td><strong>R-134a Recharge Kit</strong>&lt;br&gt;Designed for easy recharging of R-134a A/C systems using 12 oz. cans. Contains dispensing valve, hose and low side quick coupler.</td>
</tr>
</tbody>
</table>

### A/C Service Products

<table>
<thead>
<tr>
<th>Part No. 2999033</th>
<th>Part No. 2999034</th>
<th>Part No. 2999036</th>
<th>Part No. 2999037</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>R-12 to R-134a Hose Adapter</strong>&lt;br&gt;Allows conversion of existing R-12 charging hoses for R-134a service. 1/4&quot; Male SAE x 14mm Male</td>
<td><strong>R-12 to R-134a Hose Conversion Kit</strong>&lt;br&gt;Quickly converts your existing R-12 charging hoses over for use with R-134a systems. Includes high and low side quick couplers, a common service hose and shutoff valves to prevent the release of refrigerant. Shutoff valves will attach to any 1/4&quot; SAE flare fitting.</td>
<td><strong>Service Coupling R-134a High Side</strong></td>
<td><strong>Service Coupling R-134a Low Side</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part No. 2999041</th>
<th>Part No. 2999042</th>
<th>Part No. 2999043</th>
<th>Part No. 2999047</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Charging Hose Set</strong>&lt;br&gt;A set of 72&quot; red, yellow &amp; blue low permeation barrier-type hoses.</td>
<td><strong>Low Side Quick Coupler</strong>&lt;br&gt;Includes a quick coupler, 7&quot; barrier-type hose and shutoff valve to prevent the release of refrigerant. Shutoff valve will attach to any 14mm Male hose.</td>
<td><strong>High Side Quick Coupler</strong>&lt;br&gt;Includes a quick coupler, 7&quot; barrier-type hose and shutoff valve to prevent the release of refrigerant. Shutoff valve will attach to any 14mm Male hose.</td>
<td><strong>Yellow 1/2&quot; ACME x 1/2&quot; ACME</strong>&lt;br&gt;Ball valve design with flexible hose controls refrigerant with a quarter turn of the valve handle. Meets SAE, EPA and UL requirements for containment of refrigerant. Can be operated with one hand. Screws onto charging hose end.</td>
</tr>
</tbody>
</table>
A/C Service Products

<table>
<thead>
<tr>
<th>Part No. 2999049</th>
<th>Part No. 2999050</th>
<th>Part No. 2999051</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>High Side Adapter</strong></td>
<td><strong>Flex Hose Adapter</strong></td>
<td><strong>A/C Test Thermometer</strong></td>
</tr>
<tr>
<td>Adapts 3/16” Male SAE high side service port on newer model vehicles to 1/4” Male SAE to allow for high side monitoring.</td>
<td>Makes it easy to connect charging equipment to hard to reach 1/4” low side service ports. 1/4” Male SAE x 1/4” Female SAE.</td>
<td>High quality test thermometer for checking outlet duct and ambient temperatures. Conveniently fits in shirt pocket.</td>
</tr>
</tbody>
</table>

**ROBIN AIR REPLACEMENT FILTERS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-Line Pre-Filter, 16 cu. in.</td>
<td>2999056</td>
</tr>
<tr>
<td>Quick change filter for 17700A, 34450, 34700 Series</td>
<td>2999056</td>
</tr>
</tbody>
</table>

**Part No. 2999059**

2 CFM Vacuum Pump (Single Stage)
This model is ideal for smaller sized systems (less than 3 lbs. charge capacity).

The inlet ports include: 1/4” Flare, 1/2” ACME (for automotive R-134a systems).

**SPECIFICATIONS:**
- Free Air Displacement: 2 CFM
- Ultimate Vacuum: 70 microns
- No. of Stages: Single
- Motor: 1/3 HP
- Pump Speed: 1725 RPM
- 110V/60Hz

**Part No. 2999060**

5 CFM Vacuum Pump (Two Stage)
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” flare, 3/8” flare, and 1/2” ACME (for automotive R-134a systems)

**SPECIFICATIONS:**
- Free Air Displacement: 5 CFM
- Ultimate Vacuum: 25 microns
- No. of Stages: Two
- Motor: 1/3 HP
- Pump Speed: 1725 RPM
- 110V/60Hz

**Part No. 2999061**

R-134a Oil Injector
1/2” ACME-M x 1/2” ACME-F
Add oil by allowing vacuum to pull it in after evacuation process or use refrigerant to push it in using the recharge process. Rugged all metal 2 oz. canister. The standard models use a needle style valve attached between the manifold gauge set or charging equipment and A/C hose.

**SPECIFICATIONS:**
- R-134a High Side 16mm connector
- R-134a Low Side 13mm connector
- Plastic elbow molded box

**Part No. 2999063**

R-134a Eaton (M8 & M10) Valve Core Kit
Covers the Eaton style R-134a valve cores.

**Kit includes:**
- Valve assembly
- Eaton low side valve core remover/installer assembly
- Eaton high side valve core remover/installer assembly
- R-134a high side 16mm connector
- R-134a low side 13mm connector
- Plastic elbow molded box

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## Miscellaneous Service Equipment

### A/C Service Products

<table>
<thead>
<tr>
<th>Part No. 2999064</th>
<th>Part No. 2999066</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard Valve Core Remover/Installer</strong>&lt;br&gt;Sturdy ball valve design controls refrigerant flow with 1/4 turn of the valve lever. Lever position also gives visual indication of whether valve is opened or closed.</td>
<td><strong>Deluxe Clutch Hub Puller/Installer Kit</strong>&lt;br&gt;This kit contains a complete offering of A/C compressor clutch hub pullers and installers for GM, Ford, Chrysler and Imports. Kit includes a compressor identification chart and comes in a custom molded case.</td>
</tr>
</tbody>
</table>

### Part No. 2999073

- **The Mini Temp Non-Contact Thermometer**
  - 0° to 750° F
  - Hand held
  - 98% accuracy
  - Uses 9V battery
  - Data hold feature

### Part No. 2999074

- **Shield Style Digital Pocket Thermometer**
  - -40° to 300°F

### Part No. 2999075

- **Fin Straightener**
  - A six-in-one straightener to clean and straighten condenser and evaporator coil fins
  - **Features:**
    - Tool is compact for use in confined spaces
    - 8, 9, 10, 12, 14 and 15 fins per inch
    - Handle size: 3-1/2" long
    - Straighten size: 3-1/8" diameter

### Part No. 2999095

- **Refrigerant Identifier Plus**
  - Displays the actual percent of R-12, R-134a, R-22, and air in the system and tank
  - Air purge
  - Visual and audible hydrocarbon alarm
  - On-board printer port

## Refrigeration Tape

<table>
<thead>
<tr>
<th>Part No. 2999015</th>
</tr>
</thead>
</table>
| **Refrigeration Tape**
- (30 foot roll) 2" wide by 1/8" tape used in covering A/C fittings |