

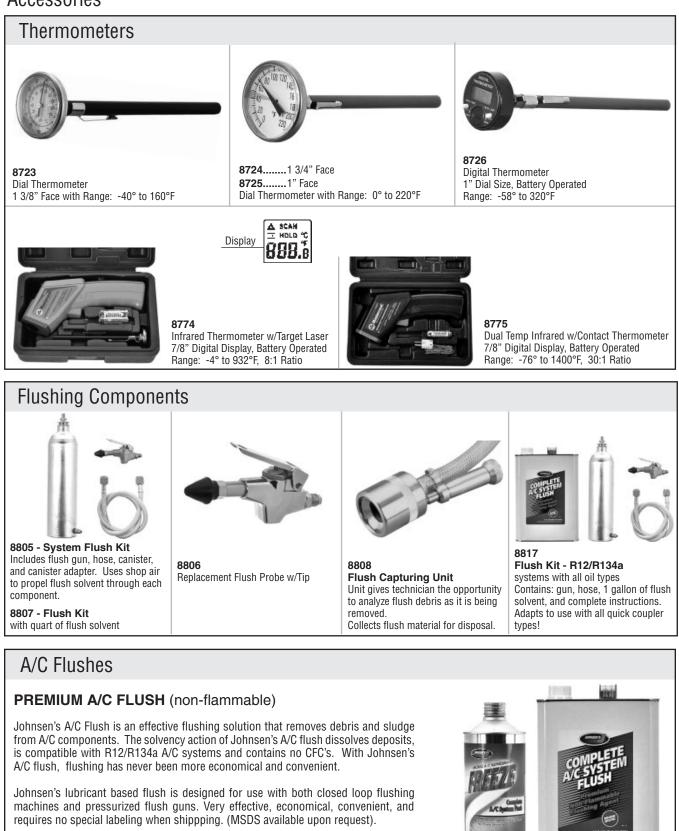
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Accessories



Accessories



Lubricant Based Flush 8811AGallon 8812AQuart

Chemicals and Lubricants

R134a/R12 POLYOL ESTER OIL

Johnsen's Synthetic Polyol Ester Lubricant (POE) is specifically formulated for mobile a/c systems. It's unique chemistry allows it to be used in either R12 or R134a systems. For use in factory fill or retrofit applications. Johnsen's POE is approved by automotive compressor OEM's and is formulated with a proprietary additive package that requires no different handling, safety or disposal precautions than conventional mineral oil. It is compatible with R12 and R134a refrigerant. Neoprene and HNBR o'rings, and XH5, XH7 and XH9 desiccant. Ester oil is fully miscible with conventional refrigerant oils.

Specifications:

ISO Grade: 100 Viscosity@100°F(SUS):500 Viscosity@40°C(cSt):100 Pour Point: -22°F Flash Point: 491°F

R134a PAG OIL

Johnsen's Polyalkylene Glycol Lubricant (PAG) is specifically formulated for R134a mobile a/c systems. PAG oils are more abrasive to the skin than that of Mineral or Ester oils. Special requirements are needed when handling this product. It is compatible with R134a refrigerant only, Neoprene, HNBR, Buna N o'rings, and XH7 and XH9 desiccant. PAG oils and refrigerants are hydroscopic relative to mineral or ester oils and their exposure to air should be minimized in order to avoid excessive water absorption.

Three different viscosity grades of polyalkylene glycol lubricants formulated for R134a A/C systems are available. they meet or exceed OEM specifications.

Ester Oil - Use when retrofitting system from R12 to R134a and residual amounts of mineral oil are left in the system.





FORD 10PA, FS10 SELTEC TM, Scroll SANDEN ISO 46 PAG OIL ISO 100 PAG OIL 82078 oz. **8206**8 oz. 8225Quart 8227Quart 8226Gallon 8228Gallon

82018 oz.

820212 oz.

8203Quart

8204Gallon

ISO 150 PAG OIL 82088 oz. 8229Quart 8230Gallon



XH5. XH7 and XH9 desiccant.

ISO Grade: 100 Viscosity@100°F(SUS): 525 Viscosity@40°C(cSt): 110 Pour Point: -10°F Flash Point: 360°F

Carrier/Thermoking For: R22, R134a, R404a, R407C

8222Gallon SW32; BSE32; HFC32; 07-00354-00P04

8223Quart SW32: BSE32: HFC32: 203-513



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847316 oz. Spray Bottle 8218A4 oz. Bottle (pour only) 84741 Gallon Refill

> Micro Leak Detector Spray Coating The only bubble/foam indicator capable of detecting freon (gas) leakage down to 0.65 oz. per year.

safe reliable seal.

A premium mineral lubricant specially

systems. It lubricates and seals parts such as o'rings, fittings, compressor

shaft seals, and gaskets to assure a

formulated for use with all a/c

82184 oz. Aerosol

Johnsen's Leak Stop

Detects and helps to seal most

common leaks in R134a A/C systems.

EMS

- SERVICE IT

Leak Detectors, Dyes and Accessories

TRACERLINE- Leak Detection



8448A EZ-Shot™ A/C Kit

- Most Affordable Leak Detection OPTI-PRO Kit Includes the #8458A Opti-Pro LED Leak Detection Flashlight
- (true UV voilet light)
- EZ-Shot A/C dye injection gun
- R134a hose/coupler & purge fitting
- 8 oz BigEZ universal/ester A/C dye cartridge, services up to 64 vehicles
- 8 oz spray bottle GLO-AWAY dye cleaner
- Flourescence-enhancing glasses
- Rugged Carrying Case





EZ-Shot[™] Injector Used to inject dye cartridges. **8475**4 oz. 84768 oz. A/C Dye Cartridges Prefilled and disposable. One ounce (1oz) of die treats up to 5-8 vehicles.



8449A

EZ-Shot™ A/C Kit

- Most Complete Leak Detection OPTI-PRO Kit Includes the #8458A Opti-Pro Leak Detection Flashlight
- (true UV voilet light)
- EZ-Ject A/C dye injector
- R134a hose/coupler & purge fitting
- EZ-Ject universal/ester A/C dye cartridge for servicing up to 14 vehicles
- 1 oz Dye-Lite All-In-One standard oil dye for all oil-based fluid systems
- 1 oz bottle of Dye-Lite water based coolant dye
- Flourescence-enhancing glasses
- Rugged Carrying Case

8458A **OPTI-PRO™** Flashlight

LED Leak Detection - True UV (Violet Light) Flashlight Cordless, Economical - Works with all Tracerline Dyes

DYES

- · Provides optimal fluorescent dye response and contrast
- · Power comparable to high-intensity 100 Watt lamps
- Inspection range of 15 feet
- 100,000 hr LED service life
- Uses 3 AAA batteries (included)
- 1 oz bottle of Dye-Lite water based coolant dye
- · Flourescence-enhancing glasses, belt holser & lanyard

Stick Capsules

Tracer Stick Capsules

Tracer stick is injected into the a/c system through the low pressure valve. The a/c system is then operated to thoroughly circulate the dye in the system. When the refrigerant escapes from the system, it will leave a residual amount of dye at the point of leakage. The ultraviolet light will then locate the point of leakage revealed by a bright fluorescent glow.

8460	Ester R134a	.03 oz. Capsule	Qty 6 ea.	
8460EA	Ester R134a	.03 oz. Capsule	Qty 1 ea.	
8461	PAG R134a	.03 oz. Capsule	Qty 6 ea.	
8461EA	PAG R134a	.03 oz. Capsule	Qty 1 ea.	

8463	Ester R134a	.5 oz. Capsule	Qty 6 ea.
8463EA	Ester R134a	.5 oz. Capsule	Qty 1 ea.
8464	PAG R134a	.5 oz. Capsule	Qty 6 ea.



EZ-Ject Stick Capsules

Disposable capsules come pre-filled with a pre-measured dose of dye suited to the type and amount of refrigerant/lubricant in a system (use multiple capsules for larger systems).

EZ-Ject Multi-Dose Dve Cartridges

artridge Qty 6 e	ea.
artridge Qty 6 e	ea.
	<u> </u>





All-In-One Dye for Non-A/C Applications For gasoline, diesel engine oils, fuel; a/trans., power steering, hydraulic and lubrication fluids.

Universal UV Dve for A/C Applications

847880z. R12/R134a





A/C Lubricant Enhancer



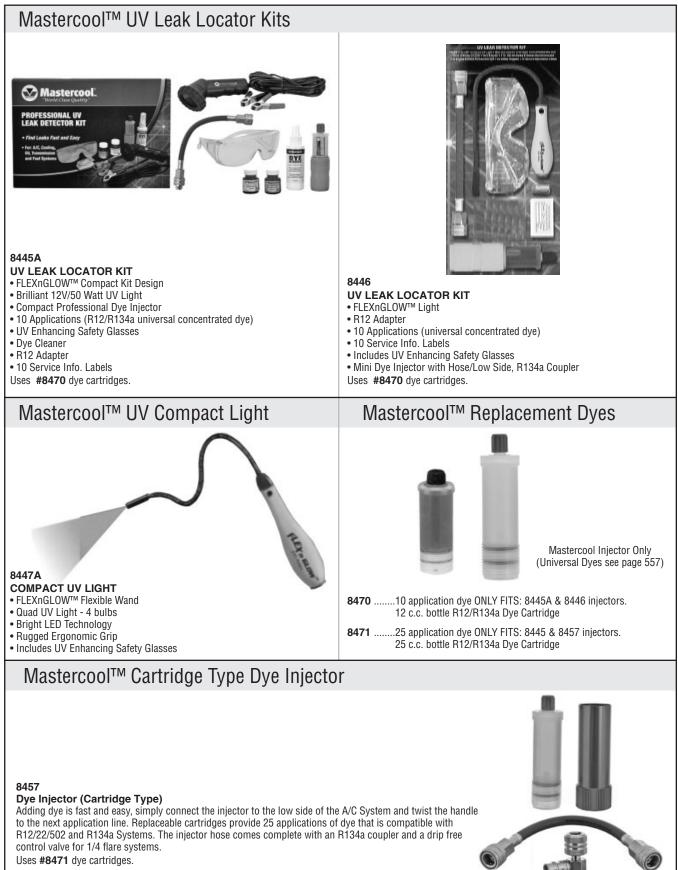
Typical truck installation (one evaporator) use 1.5 oz. with sleeper unit use 2 oz. (recommended)

- Cold Air Faster
- · Reduces Interior Humidity
- Extends Compressor Life
- Increases Heat Transfer Efficiencies
- · Works Year-Round



NITROGEN PRESSURE TESTING REGULATOR KIT Use to pressurize the A/C system with nitrogen to locate any leaks. Removes the need to add refrigerant, find leak and re-cycle referigerant. • 1/4" SAE flare outlet port, with control valve, to keep pressure on the regulator at all times • T-Handle for ease of pressure adjustment • 63mm (2-1/2") gauges with guards • High pressure gauge 4400 psig (300 bar) • Low pressure gauge 1000 psig (70 bar) Nitrogen Pressure Regulator • 48" Yellow Charging Hose Leak Testing Adapter 8444 • Kit comes in a blow, molded case. Mastercool's new Nitrogen Presssure Regulator Specifically designed to meet the specifications of HVAC/R and automotive A/C systems.

Leak Detectors, Dyes and Accessories



OOLS - SERVICE

Leak Detectors, Dyes and Accessories

Mastercool[™] Electronic Leak Detectors



8770A Electropic Loci

Electronic Leak Detector An Accurate And Reliable Solution To Electronic Leak Detection

- 3 levels of sensitivity (5 levels of detection)
- Visual leak level indicator
- Detects leaks as small as 1/4 ounce (7gr) per year
- Custom molded carrying case

8773......Replacement Sensor Tip

The INSPECTOR

This new design allows the user to perform electronic and UV leak detection all with one tool. The ultra bright UV light is built into the end of the probe allowing easy access into tight areas. Incorporating both electronic and UV technology into one unit insures that even the toughest leaks can be found.

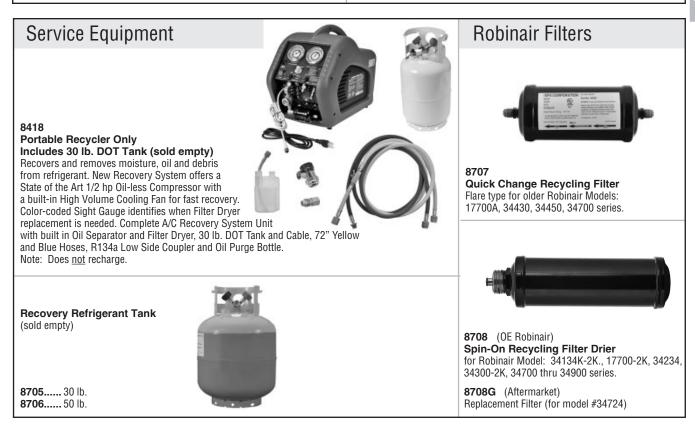


8771

2-In-1 Electronic UV Leak Detector The INSPECTOR offers:

- 6 levels of sensitivity (15 levels of detection)
- Ultra Bright UV/Blue LEDLight
- UV Safety Glasses
- Tri-Colored visual leak level indicator
- Mute function
- Detects leaks as small as 1/10 ounce (3gr) per year
- Custom molded carring case

8772......Replacement LED Bulb 8773......Replacement Sensor Tip



Service Equipment (continued)

8414 (R134a) Portable Electronic Charging Stations Single Stage Pump

A lightweight, durable, steel frame cart that contains all the necessary tools to quickly and conveniently charge the A/C system. No need for different sized charging cylinders with Mastercool's rugged die cast electronic scale. Simply place the refrigerant cylinder on the scale and charge.



8750 (R134a) Digital Manifold Set A plastic molded case includes a manifold with a set of 3 -72" hoses and a set of manual couplers.

SPECIFICATIONS

- Pressure Display: PSI, IN-Hg, BAR, MPa and kg/cm² (Low Side Range: 0 - 350 PSI)
- (High Side Range: 0 500 PSI)
- Operating Temperature: 16 42°C (60 108°)
- Battery Life: 50 hours
- Battery Life: 50 hours
 Idle Mode: 400 hours
- Idle Mode: 400 hours
 Auto Shut-off: 15 minutes

- MANIFOLD VACUUM • 2-Way Aluminum Block
- 5 CFM 110v / 60Hz

Charging Manifolds

8753 (R134a) Deluxe Aluminum 4-Way Manifold Manifold gauge set with three 72° color-coded boses with quick

72" color-coded hoses with quick coupling valves. Four-way manifold gauges give you more control over air conditioning service. Four ball valves control refrigerant flow, vacuum and access to the system high and low sides with only a quarter turn. Four-way manifolds attach to service tools and the A/C system once. After that, control everything with a simple quarter turn of the valves.

8755 (R12)

Deluxe Brass Side Wheel Manifold Manifold gauge set with three 96" color-coded hoses with quick coupling valves. Unit has brass forged body for extreme durability with angled side hand valves for ease of operation. Double o-ring seals for smooth action valves and anti-flutter gauges for smooth pressure readings.

8754A (R134a) Deluxe Aluminum Side Wheel Manifold Manifold gauge bas three

Manifold gauge has three 96" R134a color coded hoses with quick coupling valves. Silicone dampened anti-flutter gauges, extruded aluminum manifold body with easy access hand valves attached to free floating piston valves for smooth and trouble free operation.

8756A (R12/R134a) Dual Aluminum Manifold Set Manifold gauge has three 96" nylon hoses, standard couplers, tank adapter, and 2 1/2" silicone anti-flutter gauges.

Wheel s with he s, body on valves operation.

8888 | 88888

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8416A Accu-Charge Electronic Refrigerant Scale

Features include 15 minute auto-off function, memory function saves last weight when unit shuts off, 176 pound capacity, 60 hour performance on one 9V alkaline battery, compact 9"x9" platform, carrying case, extra large LCD display and reliable membrane keypad switches.



8417 Accu-Charging Module

This Charging Module turns Accu-Charge Electronic Refrigerant Scale into an automatic programmable scale. This module allows the user to control the exact amount of refrigerant transferring to and from the A/C System. Battery powered 9 volt. Includes hose for tank connection, USB cord and 1/4" flare 1/2" ACME adapters.



SERVICE ITEMS — TOOLS

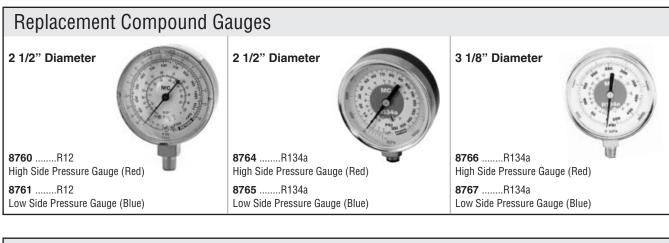


8425

Vapor•Vue[™] is a visible vapor charging device that absorbs heat naturally and flashes the liquid refrigerant from the cylinder and charges into the system as a vapor. Connects to the low side of charging manifold - increases the charging rate up to 8 times faster - the liquid is controlled by adjusting the manifold valve and monitoring the vapor rate through the double sight glass.



8869 R134a Conversion Kit Converts R12 manifold set to R134a.



R134a				g Hoses with Quick Seal	R12		()
Length Blue	60"	96" 8790	144" 8798	-	Length Blue	96" 8793	
Red		8791	8799		Red	8794	
Yellow	8789	8792	8801		Yellow	8795	



Charging Adapters& Seals





Service Adapter Kits and A/C Service Repair Kit



8883

Deluxe A/C Service Repair Kit

Replacement gaskets, depressors, and o-rings for charging hoses and adapters.

Part#

Kit Includes:

- 1/4" Depressor (10 pcs) 8782
- O-Ring for 8913 (10 pcs) 8870
- Gasket for R134a hose (10 pcs) 8875

- Gasket for R12 Shut-off valve (10 pcs).... 8882



Springlock



8160 Spring Lock Disconnect Tool Set includes four sizes: 3/8", 1/2", 5/8", and 3/4".

16 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Coupling Seal	Coupling Seal	410 Coupling Seal	#12 Coupling Seal
(Coupling	Coupling
		Spring	Spring	Spring

8985

R12/R134a Ford Spring Lock O'Ring Kit Garter Springs and O'rings for all size couplers used on 1981 to present Fords.

Part No Description

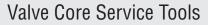
OO11M No. 6 O-Ring Metric (10 pcs)
0013M No. 8 O-Ring Metric (10 pcs)
0015M No. 10 O-Ring Metric (10 pcs)
0017M No. 12 O-Ring Metric (10 pcs)
NSSNo. 6 Garter Springs (10 pcs)
NSSNo. 8 Garter Springs (10 pcs)
NSSNo. 10 Garter Springs (10 pcs)
NSSNo. 12 Garter Springs (10 pcs)

R134a Service Couplers		
8720 Vacuum Pump Fitting Retro Adapter to convert R12 pumps to R134a		
8721 Retro - Adapter 1/4" Female x 1/2" ACME to convert R12 Pumps to R134a	8722 "T" Style Retro Adapter to convert R12 Pumps to R134a	8745 ACME T-Fitting w/o Schrader
		Coupler Repair Components
8850 High Side Coupler - red 8851 Low Side Coupler - blue Unique swivel design enables user to access all service ports even in the tightest applications.	8869 R134a Conversion Kit to converts R12 manifold set to R134a	88705 guides & 5 o'rings (for #8912R) 88715 guides & 5 o'rings (for #8913R) 887210 o'rings (for #8850) 887310 o'rings (for #8851)
8876 R134a Charging Hose Seals 14mm male end for red/blue hoses (box of 10 pcs.)	8878 O'Rings for Brass Manifolds (box of 12 pcs.)	8879 Seal and Seat Assembly for Brass Manifolds
8780 Gaskets - box of 10 pcs (also for Can Tap #8727)	Gasket #8780 8894 Straight Adapter R134a (low side) 13 mm x 1/2" ACME Female	Gasket #8780 8895 Adapter Coupler R134a 1/4" Flare (7/16"-20) x 1/2" ACME
(Manual)		·
8912 Low Side Coupler - blue 8912R OE Robinair style 8913 High Side Coupler - red 8913R OE RobinAir Style Service Couplers for R134a New, smaller design for tight quarters.		

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SERVICE ITEMS — TOOLS





GM Large Bore Valve Core Remover/Installer

- These durable and versatile tools perform three time saving service tasks:
- 1. Removal and replacement of service valve cores without losing system charge.
- 2. Temporary removal of valve cores for quicker, more complete recovery, evacuation, and recharge.
- 3. Calculation of superheat with excellent accuracy by reading refrigerant temperature and pressure from the same location in the system.



Sturdy ball valve design controls refrigerant flow with 1/4 turn of the

valve. Lever position also gives visual indication of whether valve is

Includes 1/4" x 3/16" adapter and 1/4" x 1/8" adapter.

compartment

storage compartment

8932

Valve Core Remover/Installer with Access Port Temporary removal of service valve core eliminates the restriction it creates and provides full flow of refrigerant and vacuum during recovery, evacuation, and recharge saving valuable service time.



8934R134a Valve Core Remover/Installer Includes special R134a service port adapters.

8931

opened or closed.

8933 Superheat Determination Set

Special Valve core remover/installer adapter allows replacement of damaged or faulty service valve cores without discharging the system. Valve replacement no longer requires time consuming refrigerant recovery. Calculation of superheat with excellent accuracy by reading refrigerant temperature and pressure from the same location in the system.

Valve Core Service Tool Kits



8950R12/R134a **Universal Master Kit**

- Valve Assembly
- R134a high side 16mm connector
- R134a low side 13mm connector
- 1/4" FL swivel connector
- · Standard valve core remover/installer assembly • GM large bore valve core remover/installer
- assembly
- JRA R134a valve core remover/installer
- · Eaton R134a low side valve core remover/ installer
- Eaton R134a high side valve core remover/ installer
- Adapter 1/4"-M x 3/16"-F high side GM/Ford
- Adapter 1/4"-M x 1/8"-F high side Ford



8951R134a Standard & JRA (M6) Valve Core Kit

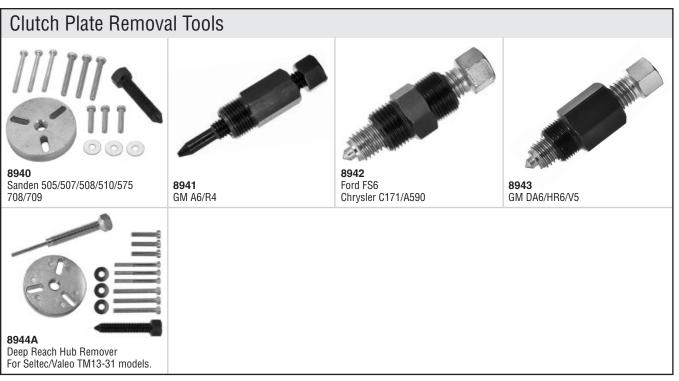
- · Valve Assembly
- Standard R134a valve core remover/installer assembly
- R134a high side 16mm connector
- R134a low side 13mm connector



8952R134a Eaton (M8 & M10) Valve Core Kit

- · Valve Assembly
- Eaton R134a low side valve core
- remover/installer
- · Eaton R134a high side valve core remover/installer
- R134a high side 16mm connector
- R134a low side 13mm connector







Compressor/Clutch Turning Tool

8168 Compressor/Clutch Turning Tool Allows for the application of force to the hub, to rotate compressor. Great for GMC HT6 Compressors.

Clutch Pulley Pullers

Hub Puller/Installer Kit



8195 Deluxe Hub Puller/Installer Kit

Kit contains a complete offering of A/C compressor clutch hub pullers and installers for GM, Ford, Chrysler and Imports.
Includes a compressor identification chart and comes in a custom molded case.



SERVICE ITEMS — TOOLS

