 ISO 9001:2000 CERTIFIED	BAR'S LEAKS TECHNICAL BULLETIN	
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Bar's Leaks DiFM A/C Stop Leak and Sealer		Part #: AC-1

A/C STOP LEAK & SEALER

Bar's Leaks Professional DiFM A/C Stop Leak & Sealer will seal most common air conditioning leaks. The product works on the principle of the venturi effect and flow, which basically means when there is a small leak in the system, refrigerant and some of the stop leak material escape at an accelerated speed. As the liquids escape the pressure below that point actually drops and the stop leak coagulates and forms a non-hardening flexible seal at the leak site. This happens because the vapor density of the stop leak is over two times that of the refrigerant and is also aided by contact with oxygen at the leak area. Since the repair stays flexible it can expand and contract with temperature changes.

The stop leak also acts as an excellent lubricant for all moving parts inside the air conditioning system.

Non-clogging formula contains no particles, solids or polymers which can plug up the orifice tube and other parts of the air conditioning system. Will not clog A/C recovery / reclamation equipment like some other brands of stop leak products. Not activated by moisture, like DIY pressurized can stop leak products which have been known to lead to clogging and other expensive problems.

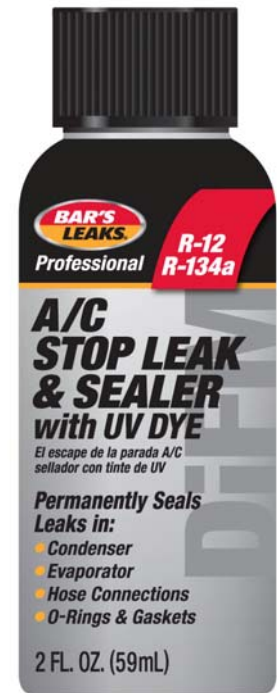
Contains A/C system UV dye leak detector.

Compatible with ALL types of automotive Freon including R-12 (Dichlorodifluoromethane), R134a (1,1,1,2 Tetrafluoroethane) and other alternative refrigerants. Do not use in vehicles that have electric A/C compressors running the ND11 oil.

Special synthetic oil seal conditioners for o-rings and gaskets keeps them flexible and prevents them from drying, hardening and shrinking; one of the most common causes of A/C leaks.

The perfect product to use for hard to find leaks, leaks requiring expensive repairs that your customer may not have the money to fix, or that may cost more than the vehicle is worth.

Use any time servicing the A/C system to prevent customer come-backs.



PERMANENTLY SEALS RUBBER LEAKS IN:

- O-Rings
- Gaskets
- Hose Connections

PERMANENTLY STOPS METAL LEAKS IN:

- Condenser
- Evaporator
- Hose Connections

LEAKS

The most common problem with an A/C system is leaks. As the system leaks out the refrigerant (Freon) the first thing noticed is a decrease in the function of the A/C system, even though the A/C will no longer function (blow cold air). This will happen even before the A/C system is completely empty because of the low side pressure sensor which will turn the compressor off when the system is low to prevent damaging the compressor.

The A/C system has a compressor, condenser (hot coil), evaporator (cold coil), fans, receiver dryer, tubing and access valves. Moisture is the number one enemy of the A/C system. Moisture in the system mixes with refrigerant and forms corrosive acids. These acids can eat holes in internal parts causing pinhole leaks. Unless all components are replaced in the A/C system, a new leak could come from a part that was not replaced, which is one of the reasons it is a good idea to add Bar's Leaks Professional DiFM A/C Stop Leak & Sealer any time servicing the A/C system. Leaks are most common in hose connections, gaskets, o-rings and from pin holes in the evaporator and condenser. Not all leaks can be found even with dyes and other leak detection equipment, even though the A/C system continues to lose Freon. The stop leak can be especially helpful when all leak test efforts do not show any signs of leaks, but the A/C system continues to lose refrigerant.

DIRECTIONS

Start engine and turn A/C on maximum cool. Add entire bottle of A/C Stop Leak & Sealer into oil injector. Connect to low side service port. Install stop leak and recharge system with refrigerant as needed. Continue to run A/C system for 15 minutes to seal leak. Leave stop leak in system to prevent future leaks.

LEAK DETECTION DYE

Fluorescent dye is added to the product in case a leak is larger than the product can seal or if it might be a shaft seal leak that will require a mechanical repair. These dyes can also help reveal leaks not found with a visual inspection. It will glow a green/yellow when illuminated with an ultraviolet UV light (black light). This dye stays in the system until there is a leak and can even help in case of a future major leak. The dye is added as an extra level of insurance to make sure all leaks have been sealed whether the product is used by itself or in conjunction with a hard repair.

Part Number:	AC-1
UPC Item:	0 46087 01901 6
UPC Inner Case:	1 00 46087 01901 3
UPC Master Case:	2 00 46087 01901 0
Bottle Size:	2 fl oz. (59mL)
Bottle Dimensions:	1.4 x 1.4 x 3.7
Bottle Cube:	7
Case Pack:	6 bottles per display box
Inner Case Size:	4.9 x 3.6 x 5.2
Master Case Size:	8.0 x 5.3 x 5.8
Inner Case Cube:	92
Master Case Cube:	246
Inner Case Weight:	1.0 pound
Master Case Cube:	2.0 pounds
Pallet:	TI 39 HI 5 Total 195
Pallet Height:	35 inches
Tariff Code:	3403.11.9900

Dosage

Use one 2 oz bottle for average size system. One bottle will treat systems that hold up to 5 pounds of Freon.