

**AIR CONDITIONING—RELEASE OF R-134A
FLUORESCENT TRACER DYE—FOR 1992 TAURUS,
R-134A VEHICLES ONLY—SERVICE TIP**

**Article No.
94-26-6**

FORD: 1992-1995 TAURUS
1994 TEMPO
1994-1995 ASPIRE, CROWN VICTORIA, ESCORT, MUSTANG, PROBE,
THUNDERBIRD
1995 CONTOUR
1994-1995 AEROSTAR, BRONCO, ECONOLINE, EXPLORER,
F-150-350 SERIES, RANGER
1995 WINDSTAR

LINCOLN: 1993-1995 MARK VIII
1994-1995 CONTINENTAL, TOWN CAR

MERCURY: 1994 CAPRI, TOPAZ
1994-1995 COUGAR, GRAND MARQUIS, SABLE, TRACER
1995 MYSTIQUE
1994-1995 VILLAGER

ISSUE

Ford Motor Company has approved an R-134a Fluorescent Tracer Dye (Rotunda Part, 112-R0040) for use in checking R-134a A/C systems for refrigerant leaks.

ACTION

When leak checking an R-134a system, install the 112-R0040 dye using a Rotunda Dye Injector

(164-R2610). Use the procedures in Figure 1 when leak checking. This method of leak detection is an approved alternate to electronic leak detection and vacuum decay leak detection.

OTHER APPLICABLE ARTICLES: NONE
WARRANTY STATUS: INFORMATION ONLY
OASIS CODES: 208999

Manufactured by:



TRACER PRODUCTS

A Division of Spectronics Corporation

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For additional technical assistance,
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For 24 Hour Medical Emergency Information
Call 1-800-959-3673 (FORD)

Rotunda 

Fluoro-Lite/P®

Custom Blended
Leak Detection Tracer Dye
For R-134a Mobile Air Conditioning
Systems with PAG Oil Lubricants

No. 112-R0040

INSTRUCTIONS FOR USE

Fluoro-Lite/P® fluorescent leak detection dye
is used in conjunction with ultraviolet lamps
to pinpoint leaks in R-134a mobile
air conditioning systems
with PAG oil lubricants

Fluoro-Lite/P® 112-R0040 Fluorescent Tracer Dye For R-134a/PAG Mobile A/C Systems

Fluoro-Lite/P® Application and Inspection Procedures

SAFETY PRECAUTIONS: When servicing or diagnosing an A/C system, approved safety glasses or goggles should always be worn. For more information, see product Material Safety Data Sheet.

NOTE: There is no need to clean any surface of the A/C system before using the Fluoro-Lite/P® dye. All petroleum products have a natural blue fluorescence under ultraviolet light, in contrast to the Fluoro-Lite/P® dye's yellow-green color.

Automotive, light truck or heavy truck A/C systems require only 0.25 ounce (7.39 ml) of the tracer dye.

Step 1: Add Dye to System – Fluoro-Lite/P® 112-R0040 dye can be added to the A/C system by using the Rotunda Dye Injector 164-R2610.

Step 2: Operate System – Operate the A/C system to thoroughly mix the tracer dye with the system's compressor oil.

Step 3: Tracer Dye Circulation – Continue to operate the A/C system in order to allow the tracer dye to circulate through the system and penetrate the leak or leaks. The time needed for the leak to appear will depend on the type of system and size of the leak.

IMPORTANT: Fluoro-Lite/P® combines and circulates with both the compressor oil and the refrigerant. For the tracer dye to show leakage in an A/C system, the compressor oil must flow throughout the system you are checking. As the refrigerant escapes, it will leave a trace of compressor oil with the dye at the point of leakage.

Step 4: Checking for Leaks – With an ultraviolet lamp, scan all components, fittings and lines of the system. The

exact location of the leak or leaks can be pinpointed by the bright yellow-green glow of the tracer dye. Since more than one leak may exist in the system, always inspect each component.

NOTE: The best leak detection results will be achieved in conditions of low ambient light. In areas that cannot be reached by the UV lamp; (1) use a mechanic's mirror or (2) use a non-fluorescent shop towel, wipe the suspected leak area and then check the towel with the UV lamp for a trace of the fluorescent dye. If no leak is found, return the vehicle to the customer with instructions to bring it back at a later date to allow time for the fluorescent material to collect around the leak site.

Step 5: After the Leak is Repaired – The traces of fluorescent dye can be removed from the previously leaking areas by using any general-purpose oil solvent.

Step 6: Verify the Repair – To ensure that the leaks have been successfully repaired and all fittings are tight, Steps 2, 3 and 4 can be repeated *without* adding more tracer dye (unless the dye has been removed during the servicing). While Fluoro-Lite/P® tracer dye can safely remain in the A/C system indefinitely without harm to components, its fluorescent lifespan is roughly 500 hours of A/C system use, after which time another infusion of dye would be required.

Step 7: Label the Vehicle – Write the dye installation date on a label (labels are included with the dye), and apply it to the engine compartment in an area where it will easily be seen by a future technician. Labeling the vehicle will tell others that dye has already been installed.

For technical assistance, please call our technical information line at 1-800-641-1133.

TB-4060-A