

DIAGNOSIS AND TESTING (Continued)

1. Close valve on dye injector.
2. Connect the hose end of the dye injector to the system low pressure gauge port valve. Tighten securely.
3. Close both valves on manifold gauge set and connect the center hose to a charging cylinder. Leave center hose loose at manifold gauge set. Momentarily open charging cylinder valve to purge air out of the center hose, then tighten the center hose at the manifold gauge set connection. Close the valve on the charging cylinder.
4. Connect manifold gauge set low pressure hose to dye injector, leaving the connection at the manifold gauge set loose.
5. Open dye injector valve to allow A/C system pressure to purge air from the dye injector reservoir and the low pressure hose to the manifold gauge set. Tighten the hose connection at the manifold gauge set. Close valve on dye injector.

CAUTION: Do not overfill.

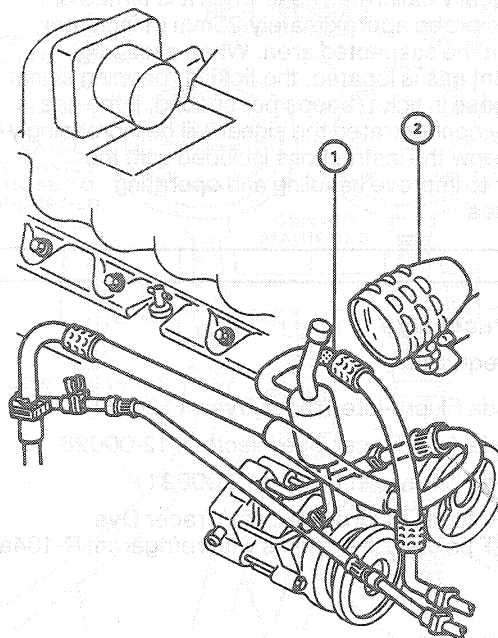
6. Remove reservoir cap from top of the dye injector and fill reservoir with 1/4 ounce of Fluoro-Lite tracer dye.
7. Replace reservoir cap and tighten securely.
8. Open valve on charging cylinder, then open manifold gauge low pressure valve. Open valve on dye injector for 5 to 10 seconds to allow the dye to be forced into the A/C system. Close dye injector valve. Close manifold gauge low pressure valve and valve on charging cylinder.
9. Start engine and operate the A/C system at MAX to stabilize the system (approximately 10-15 minutes).

NOTE: Small leaks may require considerably longer before the tracer becomes evident under the ultraviolet light.

10. Shut OFF engine.
11. Disconnect all hoses slowly to dissipate any residual refrigerant pressure that may be present.
12. Using Rotunda Ultraviolet Lamp 112-00021 or equivalent, check system for leaks. The tracer dye will glow a bright yellow/green when the ultraviolet light hits it.

NOTE: Periodically lubricate dye injector reservoir valve stem with refrigerant oil.

Ultraviolet Lamp 112-00021



CCL 3695-A

ITEM DESCRIPTION

1. PRESENCE OF DYE INDICATES LEAK HERE
2. ULTRAVIOLET LIGHT ROTUNDA NO. 112-00021

Evaporator Core and Condenser On-Vehicle Leak Test

Tools Required:

- Rotunda A/C Refrigerant Reclaim System 078-00800
- Leak Test Adapter Kit D88P-19703-B

If an evaporator core or condenser is suspected of leaking, the leak must be verified prior to removing the component from the vehicle. This leak test should be performed as outlined below. **DO NOT** rely solely on the results of an electronic leak detector as chemicals other than R-12 will activate the leak detector.

1. Remove the refrigerant from the system, with a refrigerant recovery machine such as the Rotunda A/C Reclaim system (078-00800) or equivalent following the recommended service procedure.
2. Disconnect the inlet and outlet connections from the evaporator core or condenser. Immediately install protective caps on the removed connections to prevent excess moisture from entering the system.
3. Install the mating adapters from the evaporator core/condenser Leak Test Adapter Kit, Tool D88P-19703-B, on both fittings of the component being tested.