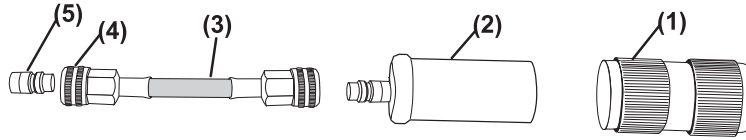


# DYE INJECTION and UV LEAK DETECTION

## PLEASE USE CAUTION!

- When injecting dye into a pressurized system, ALWAYS wear UV safety glasses and gloves!
- Never breathe refrigerant vapors!
- Never use the UV light without wearing UV glasses!



## DYE INJECTION INSTRUCTIONS:

### A. Purging air from the hose assembly

It is important to eliminate any air in the hose before injecting dye into the A/C system. (This process is necessary only once for the setup.)

1. Hold the cartridge (2) upward while unscrewing the cap. Snap hose assembly (3) onto the cartridge and snap the R12 Adapter (5) to the other end of the hose.
2. While holding the assembly upward, attach the handle (1) to the bottom of the cartridge by turning it clockwise. Continue turning as dye enters the hose and pushes the air up. Repeat this process as needed until dye appears at the coupler's end. Disconnect the R12 adapter (5) from the hose assembly.

### B. Injection

1. Turn the A/C system and engine off!
2. Connect injector to the low side service port of the A/C system. Hold body of injector. Use (|) starting line on handle end as a guide. Turn handle clockwise to inject 1 application of dye. (Approximately 1 to 1 1/4 turn(s) for concentrated dye).
3. Disconnect injector from the system and clean any excess dye left around the service port.

## A/C FLUORESCENT DYE

### (AUTOMOTIVE)

1 Application per system (for a system using up to 10 oz. [300 ml] of lubricant).

### (HVAC/R)

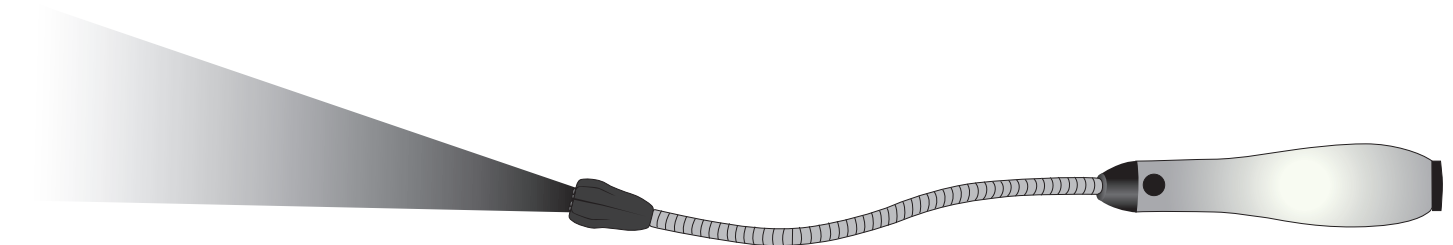
1 Application per system (for a system using up to 7 lbs. [3.2 kg] of refrigerant).

## ENGINE COOLANT FLUORESCENT DYE:

1. Pour Engine Coolant Dye into the automotive coolant system. (1 oz. for 1 vehicle application per 16 quarts [16L] of fluid).
2. Turn engine on and allow dye to circulate throughout system.
3. Follow Step C (below) for Leak Detection.

## OIL/AFT/GAS FLUORESCENT DYE:

1. Pour the additive into the system.
2. Turn engine on and allow dye to circulate.
3. Follow Step C (below) for Leak Detection.
  - Engine Oil (Gas & Diesel) - 1 vehicle application per 4-5 quarts (4L-5L) of oil.
  - Gasoline & Diesel Fuel - 1 vehicle application per 2 gallons (8L) of fuel.
  - Automatic Transmission Fluid - 1 vehicle application per 4-5 quarts (4L-5L) of fluid.



## LEAK DETECTION USING A UV LIGHT:

- A. Turn engine and A/C system on.
- B. Allow dye to circulate throughout system.
- C. WEAR PROTECTIVE GLASSES!!
- D. Do not use light near flammable materials, liquids or gasses.
- E. Press and hold button to keep light on. Search for a bright green/yellow glow where the system is leaking. Clean the area around leak after repair.