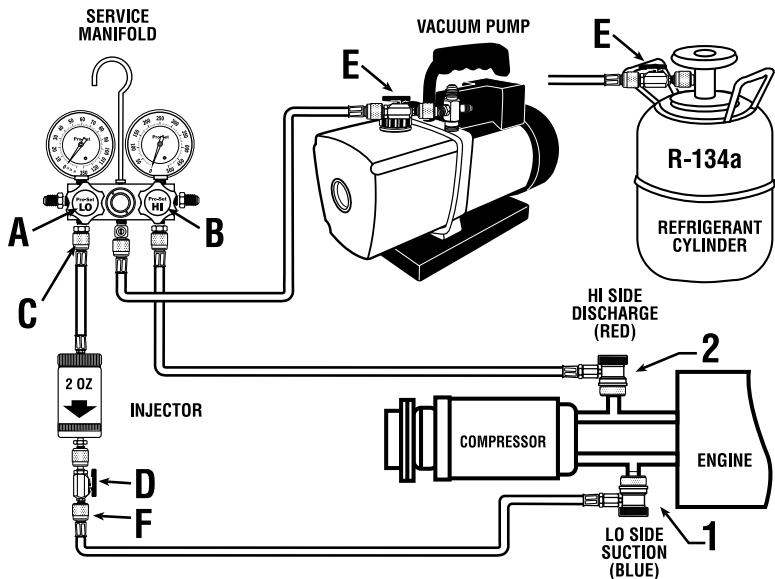


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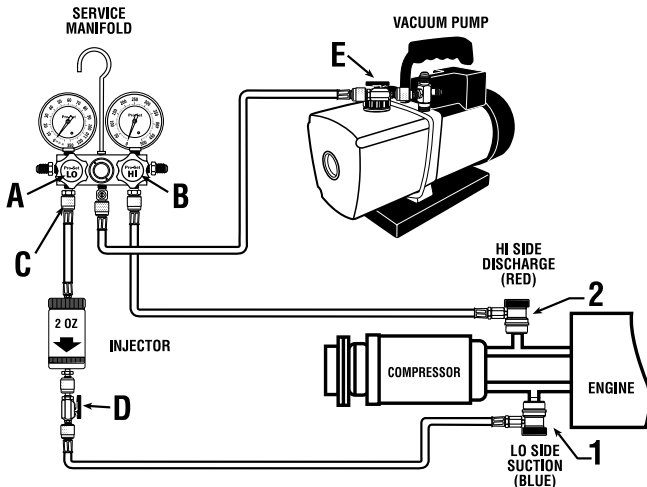
## ADDING OIL OR DYE TO A CHARGED A/C SYSTEM



1. Fill Injector with desired amount (up to 2 ounces) of oil or dye or oil/dye combination.  
**CAUTION: Adding too much oil and/or dye can cause system damage and effect system performance. Most manufacturers recommend ¼ ounce dye per mobile A/C system. (Refer to manufacturer's recommendations on how much oil or dye to add to a mobile A/C system).**
2. Engine OFF. All valves (A, B, D) must be closed including the LO side (1) and HI Side (2) couplers. Connect Service manifold, injector, vacuum pump and hoses as shown in diagram above.
3. Open LO side coupler valve (1). Loosen hose nut (F) until pressure is being released. Allow to purge for 10 seconds then retighten hose nut (F).
4. Turn vacuum pump ON. Open hose valve (E), HI side valve (B), and LO side valve (A). Run for 3 minutes. **NOTE: The injector must be physically hanging below the manifold as shown in the diagram above.**
5. Close hose valve (E) and turn vacuum pump OFF. Remove hose valve (E) from vacuum pump fitting.
6. **(Optional, to reduce refrigerant loss from A/C System)** reconnect hose valve (E) to virgin Refrigerant tank. With the tank up right (Vapor), open the tank valve and Hose Valve (E). Once the manifold gauges equalize, close the tank valve and Hose Valve (E).
7. Close Manifold HI Side Valve (B). Open HI Side Coupler valve (2).
8. Start Engine and turn A/C ON. Open Injector Valve (D). Crack open Manifold HI Side Valve (B) so that the LO Side Manifold gauge is 75 PSIG. **DO NOT EXCEED 100 PSIG on the LO Side Gauge.** It will take about 2 minutes for the oil to be dispensed.
9. Close HI Side Coupler valve (2). Run for 1 additional minute.
10. Close all valves. Disconnect service couplers from A/C system.  
**Injection Complete**

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## ADDING OIL OR DYE TO A EVACUATED A/C SYSTEM



1. Engine OFF. All valves (A, B, D) must be closed including the LO side (1) and HI side (2) couplers. Connect service manifold, injector, vacuum pump and hoses as shown in diagram above.
2. Start vacuum pump, open hose valve (E), HI side coupler (2), LO side coupler (1), and open HI Side Manifold Valve (B). Run vacuum pump for approximately 5 minutes.
3. Remove injector hose from manifold (C). unscrew injector cap. Fill Injector with required amount (up to 2 ounces per fill) of oil or dye or oil / dye combination. Re-install oil injector cap. Do not reconnect hose to manifold (C) at this time.
4. Open injector valve (D) for one minute. If additional oil / dye is required, close oil injection valve (D) and repeat Step 3. Once the required amount of oil / dye has been added, reconnect injector hose to manifold (C).
5. With an open injector valve (D) and open LO side manifold valve (A), run vacuum pump for an additional 5 minutes. **Note: HI side manifold valve (B) remains open during this entire procedure.**
6. Close all valves (A, B, D) when done. Disconnect service couplers from A/C system. The A/C system is now ready to be recharged.
7. System must be completely evacuated prior to charging with refrigerant. Refer to the Recharging equipment instructions and the A/C System OEM's recharge recommendations.

**CAUTION: Adding too much oil and/or dye can cause system damage and effect system performance. Most manufacturers recommend ¼ ounce dye per mobile A/C system. (Refer to manufacturer's recommendations on how much oil or dye to add to a mobile A/C system).**

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