

Part # 99-375, 22-375, 22-1550, 22-1650

**GENERAL OPERATING INSTRUCTIONS:
R-12 or R-134a 2 & 3 Oz. Oil Injectors**

**I KNOW,
I KNOW ...** *But Read Carefully
and It's the Same
for R-12 or R-134a*



DISCLAIMER

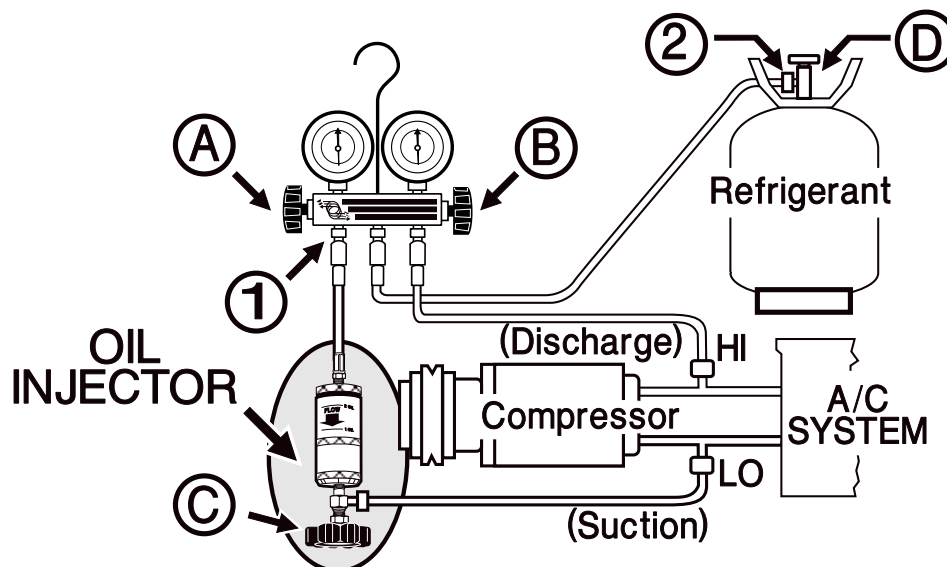
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All warranties expressed or implied, including warranties on merchantability and fitness of purpose, are null and void if the equipment is altered, damaged or misused in any way, or if equipment is not repaired by authorized repair station using authorized parts.



INSTRUCTIONS

ADDING OIL TO OPERATING (CHARGED) SYSTEM



1. Collect manifold gauge set, oil injector and refrigerant supply as shown in the above figure. Make certain **Valves A, B, C, & D** are closed
2. Unscrew the oil injector cap and add 1 or 2 ozs. of refrigerant oil as required. Replace Cap.
3. To purge the manifold gauge set, hoses and oil injector,
 - a. With engine not running, open **Valve C**. Slowly crack open the **LO** side connection **(1)** of the manifold. When you hear refrigerant escaping, close the connection **(1)**. Close **Valve C**.
 - b. With **Valve D** closed, open **Valve B**. Slowly crack open the hose connection **(2)** on the refrigerant supply. When you hear refrigerant escaping, close connection **(2)**. Close **Valve B**.

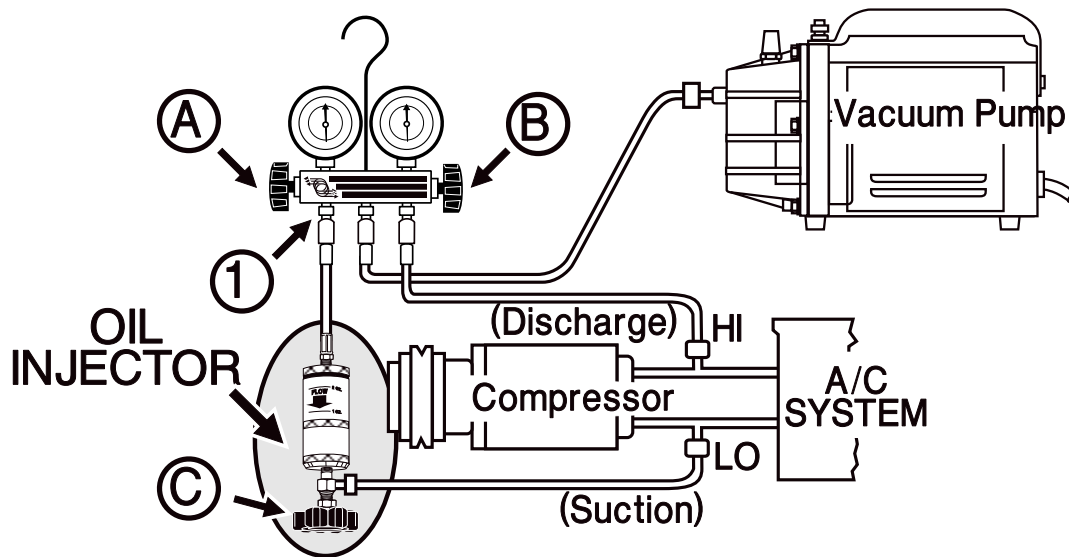
MANIFOLD GAUGE SET, HOSES AND OIL INJECTOR ARE NOW PURGED OF AIR

4. With engine and air conditioning system running, Open **Valve C** and refrigerant supply **Valve D**. Slowly open the **LO** side **Valve A** allowing refrigerant to charge oil into the air conditioning system. Do not exceed 50 psi on the **LO** side gauge. Close **Valves A, C** and **D**. The oil charging procedure has been completed. If additional oil is required, repeat above sequence

DO NOT OVER CHARGE



ADDING OIL TO DISCHARGED SYSTEM



1. Connect the manifold gauge set oil injector and vacuum pump as shown in the above figure. **DO NOT** run engine.
2. Turn on vacuum pump and open **HI Side Valve (B)**.
3. With **LO side Valve A** and oil injector **Valve C** closed, unscrew the oil injector cap and add 1 or 2 ozs. of refrigerant oil as required.
4. After 29 In. Hg of vacuum has been reached, open **Valve C**. Continue running vacuum pump approximately 3 minutes. Close **Valve B**. Turn off vacuum pump. Open **Valve A** and oil will be drawn into the **LO** side of the air conditioning system. If additional oil is required, repeat the above sequence 1.

**BEFORE RECHARGING, COMPLETELY EVACUATE THE AIR
CONDITIONING SYSTEM FOR A MINIMUM OF 30 MINUTES AFTER
29.9 INCHES OF MERCURY HAS BEEN REACHED**

For Technical Questions & Replacement Parts call 845-562-1442. In the unlikely event that you need factory repair, part or item must be securely packed and shipped prepaid to:

Classic Tool Design, Inc.
Repair Department
31 Walnut Street, New Windsor, NY 12553

