

OPERATING INSTRUCTIONS

R1234yf MANIFOLD GAUGE SET



WARNING

WEAR SAFETY GOGGLES

AVOID CONTACT WITH REFRIGERANT

TROUBLESHOOTING TIPS

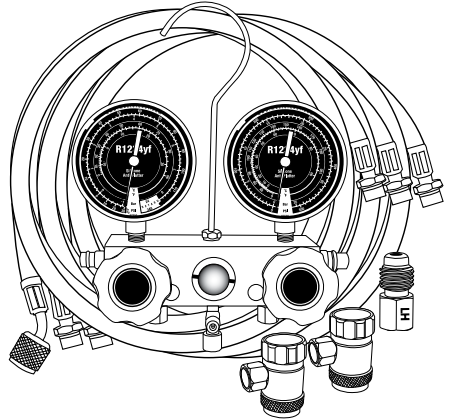
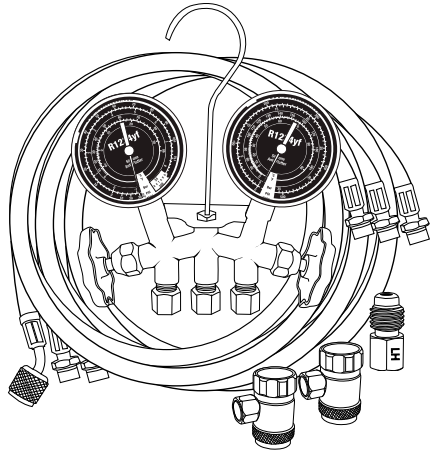
- Low side and high side pressure are low.
Usually indicates a low charge.
- Low side pressure is low and high side pressure is high.
Usually indicates a blockage in the system.
(i.e. expansion of valve or orifice tube.)
- Low side pressure is high and high side pressure is low.
When accompanied by a vibrating gauge needle, usually indicates faulty reed valves in compressor.
- Low side and high side pressures are high.
Usually indicates an over charged system.

HOOK-UP FOR SYSTEM DIAGNOSIS

- Verify that service ports are clean and free of metal shavings.
- Verify that both valves on the manifold are shut completely.
- Connect blue coupler to low side service port (5).
- Connect red coupler to high side service port (4).
- Start engine. Turn A/C mode selector to HIGH and fan to HIGH.
- Observe pressure on the manifold gauges and refer to your automotive manual for proper diagnosis.

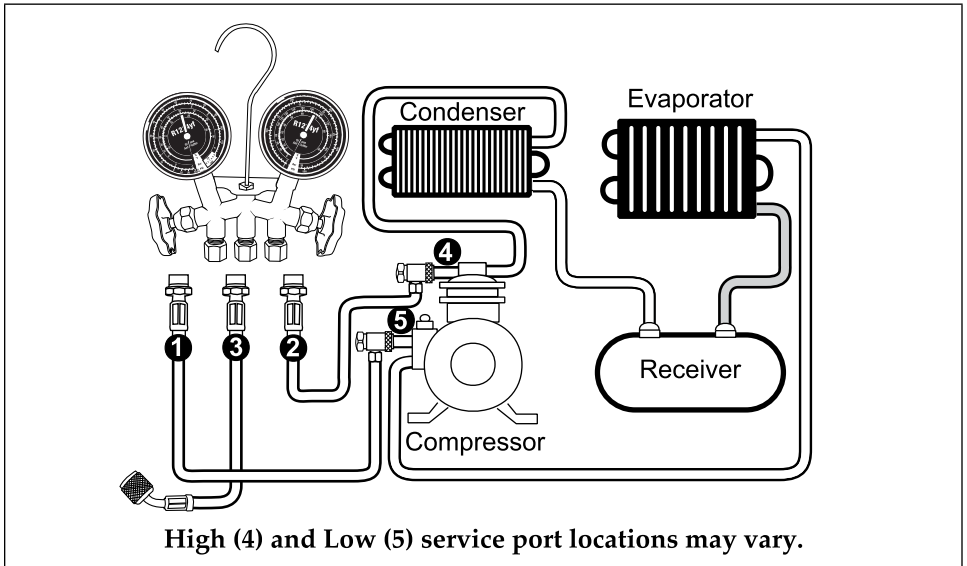
CHARGING REFRIGERANT

1. Verify that both valves on the manifold are shut completely.
2. Turn on car and A/C system, (this will aid in charging of the refrigerant.)
3. Connect vacuum pump adapter to vacuum pump (not included.)
4. Connect one end of yellow hose to center port of the manifold and shut-off valve end of the hose to the vacuum pump. Remove air from the yellow hose and manifold.
5. Disconnect shut-off valve end of hose from vacuum pump and connect to a gas supply. (Follow refrigerant manufacturer's instructions for proper dispensing.)
6. Open manifold low side valve slowly until pressure reaches 42 psi. Do not exceed 42 psi during the recharging process. Exceeding 42 psi could damage the compressor.
7. When charging is finished, close low side valve.



SYSTEM SCHEMATIC

1. Low side (blue) hose.
(12mm-M fittings on both sides meets SAE J2888, EPA, SAE & UL standards)
2. High side (red) hose.
(12mm-M fittings on both sides meets SAE J2888, EPA, SAE & UL standards)
3. Service (yellow) hose.
(Yellow hose 12mm fitting on one side and 1/2 x 16 LH acme on the other meets SAE J2844)
4. Compressor discharge service valve.
(R1234yf couplers with extended disconnect protection sleeve meets SAE J639 & J2888)
5. Compressor suction service valve.
(R1234yf couplers with extended disconnect protection sleeve meets SAE J639 & J2888)



⚠ WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm.