

REFRIGERANT AND OIL CHARGE INSTRUCTIONS

R134a SPLIT SYSTEM REFRIGERANT AND OIL CHARGE			
EVAPORATOR	CONDENSER	R134a CHARGE	OIL CHARGE
EV1	SMC2	5.0 LBS.	10 OZ.
EV2	SMC2	5.0 LBS.	10 OZ.
EV3	SMC3	5.5 LBS.	10 OZ.
EV1 (2)	SMC3	5.0 LBS.	11 OZ.

**USE ONLY SELTEC (ZEXEL) PAG
SCS/FRIGETTE P/N 41-00273 (12 OZ. BOTTLE)**

The above listed chart is based on 20 foot liquid line. Increase the charge by 0.5 lb for each additional 10 feet of line. Maximum allowable liquid line is 35 feet.

PROCEDURE FOR CHARGING BY PREDETERMINED WEIGHT

Once the system has been leak checked, evacuated and the correct amount of refrigerant oil has been added, use the following procedure to charge by refrigerant weight.

1. Disconnect the center hose from the vacuum pump and attach to an upright refrigerant charging cylinder.
2. Place the refrigerant bottle (with band heater) upright on the scale. Zero the scale prior to charging.
3. Open the valve on the refrigerant cylinder and loosen hose connection at the manifold to purge air from the manifold gauge line. Then re-tighten connection.
4. Backseat (CCW) both manifold gauge hand valves and allow refrigerant vapor to enter the system, until both sides equalize (50 to 70 "PSIG). Then front seat (CW) both valves.
5. Start the engine and turn air conditioner on. Turn evaporator fans on high speed and thermostat to cold (both switches full CW). Make sure the compressor is engaged.

NOTE: Never add liquid refrigerant and/or oil to the suction side of the system. Severe damage to the compressor may occur.

6. Add refrigerant vapor (never liquid) through the suction side by opening the suction manifold gauge hand valve (CCW).
7. Charge the system until appropriate weight of refrigerant has been added. Close suction hand valve (CW).

Once the charge process has been completed, verify the system performance by measuring the temperature difference across the inlet and outlet of the evaporator. A properly operating system will measure an 18 to 20 degree temperature difference with the fan in the medium or low speed.