

FREEZE 12[®] Conversion Data

<u>WT. OF R-12</u>	<u>WT. OF FREEZE 12</u>	<u>OUNCES FREEZE 12</u>
1 lb.	.9000 lb.	14.4 oz
2	1.80 lbs. (1 lb. 12.8 oz.)	28.8
3	2.70 lbs. (2 lbs. 11.2 oz.)	43.2
4	3.60 lbs. (3 lbs. 9.6 oz.)	57.6
5	4.50 lbs. (4 lbs. 8.0 oz.)	72.0
6	5.40 lbs. (5 lbs. 6.4 oz.)	86.4
7	6.30 lbs. (6 lbs. 4.8 oz.)	100.8
8	7.20 lbs. (7 lbs. 3.2 oz.)	115.2
9	8.10 lbs. (8 lbs. 1.6 oz.)	129.6
10	9.00 lbs. (9 lbs. 0 oz.)	144.0

When charging the A/C system with Freeze 12, use the above chart to match the manufacturers requirements. Freeze 12 is lighter than R-12, so less refrigerant is needed to equal the same volume in the cooling system. Recover the R-12 from the A/C system at the Low Side to leave behind as much mineral oil as possible. Because some oil is lost during recovery and when changing accumulator/drier or receiver/drier, for maximum A/C system performance, it is recommended that 3 ounces of Polyol Ester lubricant (also known as Ester lubricant) be added to the A/C system before charging with Freeze 12.

Install new Freeze 12 service fittings (Johnsen's # S19002 - Low Side, #S19000A or #S19001A - High Side). If the A/C system being converted is equipped with a High Pressure Relief Valve, a High Pressure Cutout Switch must be installed in accordance with EPA SNAP regulations. Deep evacuate (using Sercon # SR1255A Deep Vacuum Pump or equivalent) to remove any residual R-12 and/or any non-condensables.

Recharge the A/C system with approximately 10% less Freeze 12[®] than the recommended factory R-12 charge (refer to the chart above). When the A/C system is fully charged with Freeze 12, the suction line pressure will be about 5-10 psig lower than it was with R-12, depending upon the system. When charging the A/C system with Freeze 12 into the suction line, note that the pressures will rise and then level off as the system becomes filled. **DO NOT OVERFILL THE SYSTEM!** Overfilling may cause damage to the compressor and other A/C components! When the A/C system is fully charged, drive the vehicle for approximately 5 minutes with the A/C controls set at maximum A/C to initially balance the system. Thereafter, operate the system

normally. Finally, install the Freeze 12 service label (Johnsen's # S19020A).