DESCRIPTION AND OPERATION (Continued)

Pressure Relief Valve

A pressure relief valve is installed in the system to relieve pressure buildups above 3100 kPa (450 psi) and to prevent damage to the compressor and other A/C system components. The pressure relief valve is located on the discharge (high-pressure) line near the compressor manifold.

Normal System Operation (Automatic)

The electronic climate control system automatically maintains the temperature selected for driving comfort and regulates the airflow between the instrument panel registers, floor ducts, windshield defroster nozzle and side window demisters. The system also provides the option of manually overriding the blower speed and/or airflow direction as desired. Additionally, the system has automatic solar compensation for high sunload conditions. The sunload sensor is located in the upper LH corner of the instrument panel. The outside temperature can also be displayed at any time by momentarily depressing the OUTSIDE temperature button. The outside temperature will then be displayed for four seconds. For optimum automatic operation, the system should be in AUTO mode and set to the desired temperature setting. If the vehicle interior temperature is warmer or cooler than the set temperature, the climate control system will automatically provide heat (when the engine is warm) or air conditioning, as required, to reach the comfort setting as fast as possible. If it is necessary to adjust the comfort setting, the setting should be changed only in small increments (1-2 degrees) to maintain comfort and avoid large variations of in-vehicle temperature. Raising or lowering the set temperature in large increments from the comfort setting **will not** reduce the time required to reach stabilized comfort.

Refer to the following illustration. The balloon numbers in the illustration are referenced in the following text.