

AUTOMOTIVE AIR CONDITIONING REPAIR

TERMS USED WHEN SERVICING

The terms, higher than normal and lower than normal, are used to relate what is happening inside the air conditioning system. This is referring to gauge readings as related to the ambient temperature.

High side normal pressures are two times ambient temperature plus twenty pounds under low humidity conditions. Slightly higher pressures when the humidity is higher.

Low side pressure is based on what pressure will maintain a thirty- two-degree evaporator temperature. This varies with what refrigerant is being used.

Combinations of gauge readings

- Both high and low side are higher than normal
- High side higher than normal and the low is normal or slightly lower than normal
- Both high side and low side are lower than normal
- Low side higher than normal and the high side lower than normal
- Low side lower than normal (in a vacuum) and the high side is about one hundred fifty (150) pounds
- Low side higher than normal and the high side lower than normal (suction line hot enough to burn)
- Low side normal and the high side normal. No cold air delivery. (service port on the high side located in the liquid line)

Each of these combinations is caused by one or more conditions. Refer to the diagnosing flow chart.