

Air Conditioning Repair \$ - Too High?

Here's the Secret !

Use these "**Secret**" words to avoid getting ripped off by unscrupulous or incompetent Air Conditioning Technicians.

- When the tech says "You have a weak compressor you need a new air conditioner"
- You say the secret words "What's the compression ratio?"

Tech shows you the low pressure reading on the gauge 70# and the high pressure gauge reading 206#. He then adds 14.7 atmospheric (or 15) to each, and divides the larger _____ # by the lower _____ # .

EXAMPLE:

$$70 + 15 = 85 \quad \text{and} \quad 206 + 15 = 221$$
$$221 \div 85 = 2.6 \text{ compression ratio}$$

Less than 1.5 Weak

Less than 2 probably weak

More than 2 less than 2.5 questionable

More than 2.5 Good

More than 3.5 compressor very strong but, something is wrong with the system.

NOTE:

Frequently compressors are diagnosed as weak when the problem is in the refrigerant circuit, ie: Restriction. Manufactures: TRANE, Carrier, Lennox, reports that 90% of "failed" warrantee compressors returned to the factory are actually good.