

DOC'S BLOCKS
AUTOMOTIVE AIR CONDITIONING REPAIR

Question:

What is the best method to install oil into the system?

Answer:

If the system has been flushed out and oil is being reinstalled into the system, the best method is dependent on the system.

The accumulator system is the easiest. Install the proper amount of oil into the compressor, on most, a couple ounces, and then pour the remainder into the accumulator before it is installed into the system. Fast and easy!

On an TXV system it becomes a little harder. Still install the proper amount of oil into the compressor and then pour the remainder of the oil charge into the receiver dryer. This isn't easy because the inlet to the dryer is small. Before the compressor is installed into the system, if the compressor clutch is turned a little at a time, the oil can be poured into the suction port (the large hole). After the compressor is installed on the vehicle, the clutch hub must be turned twelve to fifteen time to pump the oil out of the compressor into the system.

Another method is to draw the oil into the system with an evacuation pump. The oil must still be installed into the compressor, the same as stated above. The remainder of the oil charge is pulled into the system through the discharge service port. Connect the evacuation pump to the suction service port and connect a hose to the discharge service port and the other end of the hose into the oil. Turn on the pump and the oil will be drawn into the system.

If a service center is being used, it will still be necessary to install oil into the compressor before installing it on the vehicle. The remainder can be installed with the machine.