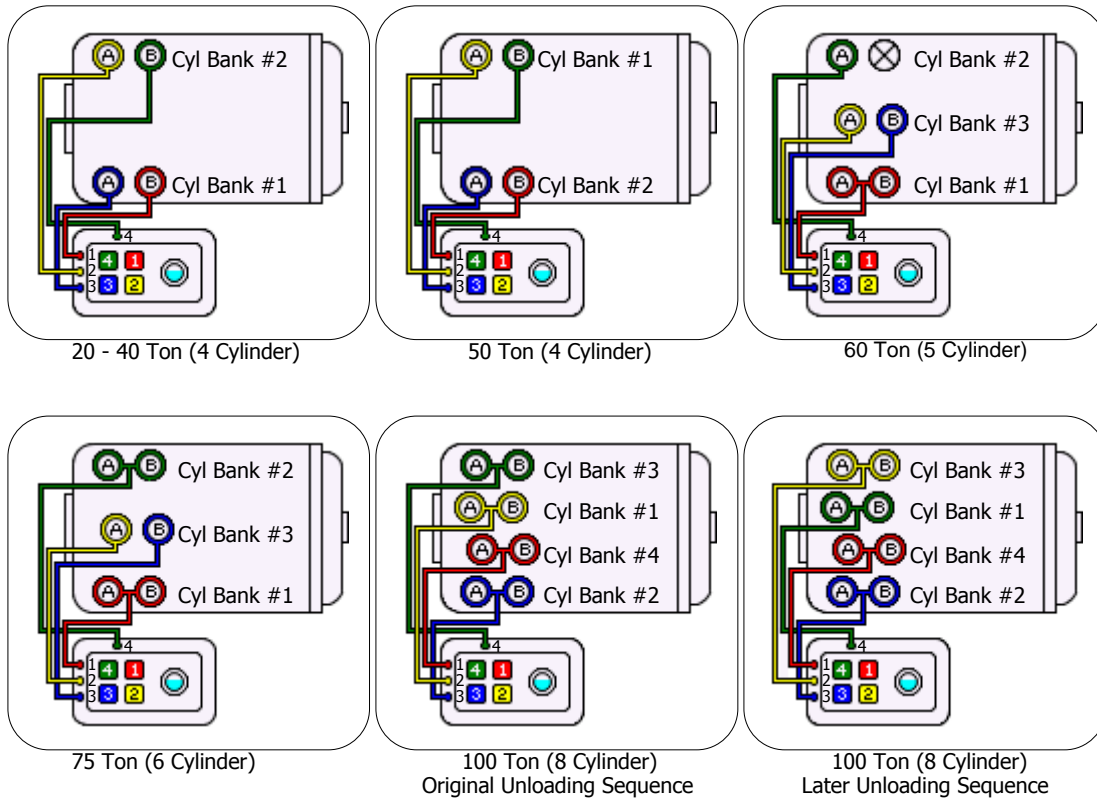


## Chrysler Airtemp 2000 Series Compressors Unloading Characteristics



- 1** First Step to Unload.
- 2** Second Step to Unload.
- 3** Third Step to Unload.
- 4** Forth Step to Unload.

These diagrams show the internal unloader oil tubing arrangement from the controlling crankcase cover plate to the cylinders. Solenoid valve #4 and related internal tubing is not installed on standard compressors. Solenoid valve #4 is only used on 100% unloaded starting compressors and is not manipulated during the normal capacity control process. It is energized after the compressor motor has reached operating speed and is not deenergized until the compressor motor is shut down.

Solenoid valves are energized to load the cylinders and deenergized to unload the cylinders. The solenoid valves allow/interrupt the flow of oil pressure to the unloader power elements which control the suction valves to allow/disallow pumping action.

These compressors were also available with a suction pressure actuated unloading control crankcase cover plate. The control could be set manually to maintain a set suction pressure or could be controlled by a pneumatic actuator.