

756500 Compressor

Needle Valve Adjustment

(doc rev 2)

If it is necessary to adjust the compressor speed (needle valve), follow these steps:

- 1) Shut off hydraulic pressure to the compressor
- 2) Loosen jam nut
- 3) Adjust set screw only 1/8 of a turn at a time (CCW=faster, CW=slower)
- 4) Snug up the jam nut
- 5) Re-energize the hydraulics
- 6) Confirm compressor speed in one of two ways:
 - 1) Use a Photo Tachometer (similar to [This One](#)) on crank shaft reflective strip
 - 1) Crank shaft speed should be 1300-1350 RPM when the compressor is under load (125-145 PSI air)
 - 2) or Check compressor fill time
 - 1) Drain all air from compressor
 - 2) Unhook all air lines downstream of the water separator filter and insert a 3/8" PTC plug in the filter (to remove extra air capacity of the lines and downstream systems)
 - 3) Start the compressor and a stopwatch
 - 4) The compressor should fill to 145 PSI and shut off in 30-40 seconds

