

FAA Powerplant

Follow the cycle - not a memorized symptom.

01 Four strokes, two revolutions

The four-stroke sequence is intake, compression, power, exhaust. One complete cycle takes two crankshaft revolutions, not one.¹

Valve-event timing varies by engine. Timing is expressed in degrees of crankshaft travel; a stated opening event is not necessarily the fully open position.¹

02 Raise pressure before combustion

The turbine-engine compressor raises the pressure of inlet air and supplies air to the combustion section. Pressure increase and fuel burning occur in different sections.¹

Accessory arrangements differ across engines. Similar functions do not imply identical component names, construction, or service instructions.¹

Keep going with the full quick sheet.

6 more focused sections: Piston motion becomes shaft rotation / Moisture plus cooling can restrict induction / Wet sump versus dry sump / Know what the indication measures / Magneto: source, timing, checks / Detonation versus pre-ignition.

Full PDF + phone image: \$2.99 one-time

Included at no extra charge with the matching paid exam purchase.

Selective exam-study prompts, not maintenance instructions. Use current aircraft-specific approved data for actual work.

SOURCES - CLICK A LABEL TO CHECK THE ORIGINAL

1. Aviation Maintenance Technician...

FAA-S-ACS-1; FAA-H-8083-32B, 2023 edition | Checked 2026-09-05

examrefine.com | Selected reminders, not complete exam coverage.