

PA-32-300 CHEROKEE SIX: NORMAL CHECKLIST

BEFORE START

PREFLIGHT INSPECTION -COMPLETE
AIRWORTHINESS REQUIREMENTS -MET
HOBBS TIME -RECORDED
CHOCKS / TIEDOWNS / PROPELLER LOCK /PITOT COVER -REMOVED
LAP BELTS & SHOULDER HARNESSSES -FASTENED
SEATS -LOCKED
PASSENGER SAFETY BRIEFING -REVIEWED (Safety Belt Use, Door Use, Emergencies)
ELECTRICAL EQUIPMENT -OFF
AVIONICS MASTER SWITCH & NAVIGATION EQUIPMENT -OFF
TRANSPONDER -OFF AND SET TO 1200
CIRCUIT BREAKERS -IN
ELT -ARMED

ENGINE START

PARKING BRAKE -ON
FUEL SELECTOR -ON FULLER TANK
ALTERNATE AIR -OFF
PROPELLER -RPM FULL INCREASE
THROTTLE -OPEN 1/2 INCH
KEY -IN IGNITION
MASTER SWITCH -ON
BEACON -ON
FUEL PUMP -ON
MIXTURE -FULL RICH TO PRIME, THEN IDLE CUT-OFF (**NONE IF ENGINE IS HOT**)
AREA -CLEAR
STARTER -ENGAGE
MIXTURE -ADVANCE TO FULL RICH WHEN ENGINE STARTS
ENGINE -1000 RPM
MIXTURE -LEANED FOR TAXI
FUEL PUMP -OFF
OIL PRESSURE -IN NORMAL RANGE
AMMETER -VERIFY ELECTRICAL LOAD
SUCTION -CHECK
EXTERIOR & INTERIOR LIGHTS -AS REQUIRED
AVIONICS MASTER SWITCH -ON
TRANSPONDER -STANDBY

TAXI

FLIGHT INSTRUMENTS -VERIFY PROPER OPERATION

RUNUP

PARKING BRAKE -ON AND BRAKES HELD
FLIGHT CONTROLS -VERIFY FULL TRAVEL & CORRECT DEFLECTIONS
MIXTURE -FULL RICH
PROPELLER -RPM FULL INCREASE
ENGINE -2000 RPM (Verify No Aircraft Movement)
1. MAGNETO CHECK: MAX. DROP: 175 RPM; MAX. DIFFERENTIAL: 50 RPM
2. ALTERNATE AIR -CHECK, THEN OFF
3. ALTERNATOR -CHECK
4. SUCTION -4.8 TO 5.1 INCHES HG
5. ENGINE GAUGES -IN NORMAL RANGE
6. PROPELLER -EXERCISE (500 RPM reduction maximum)
7. GOVERNOR -CHECK, THEN RPM FULL INCREASE (200 RPM reduction maximum)
ENGINE -IDLE CHECK, THEN 1000 RPM
FLIGHT INSTRUMENTS -CHECKED AND SET
CLOCK / WATCH -SET
NAVIGATION EQUIPMENT -ON AS REQUIRED AND SET
ANNUNCIATOR PANEL -TEST
STABILATOR AND RUDDER TRIM -EXERCISE, THEN SET FOR TAKEOFF
FLAPS -CYCLE, THEN SET AS REQUIRED (Normal Takeoff @10°)
DOORS (SIDE AND REAR) & WINDOW -CLOSED AND LATCHED
TAKEOFF BRIEFING -REVIEWED (Airspeed, Takeoff Distance, Departure Procedure, Emergencies)
OIL TEMPERATURE -IN NORMAL RANGE BEFORE TAKEOFF

▶▶▶ TURN OVER FOR TAKEOFF ▶▶▶ TURN OVER FOR TAKEOFF ▶▶▶

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TAKEOFF

FUEL PUMP -ON
WING LIGHTS -BOTH ON
LANDING LIGHT -ON
TRANSPONDER -TEST, THEN ALTITUDE MODE
TIME -COPY DOWN
HEADING INDICATOR -SET TO RUNWAY HEADING

INITIAL CLIMB

ABOVE 500 FT AGL: 25" MANIFOLD PRESSURE / 2500 RPM

CRUISE

POWER -SET
MIXTURE -LEANED (BEST POWER OR BEST ECONOMY)
FUEL PUMP -OFF
WING LIGHTS -OFF
LANDING LIGHT -OFF
HEADING INDICATOR & ATTITUDE INDICATOR -ADJUST
FUEL -BALANCE TANKS (Fuel Pump **ON** When Switching Tanks)

BEFORE LANDING

ALTIMETER -SET
FUEL PUMP -ON
WING LIGHTS -ON
LANDING LIGHT -ON
MAGNETOS -ON "BOTH"
FUEL SELECTOR -ON FULLER TANK
PROPELLER -FULL INCREASE
MIXTURE -FULL RICH
ALTERNATE AIR -CHECK, THEN OFF
LAP BELTS & SHOULDER HARNESSSES -FASTENED

AFTER LANDING

RADIO -ON PROPER FREQUENCY
FUEL PUMP -OFF
MIXTURE -LEANED FOR TAXI
TRANSPONDER -OFF AND SET TO 1200
WING LIGHTS -OFF (Daytime)
LANDING LIGHT -OFF (Daytime)
FLAPS -0°

SHUT DOWN

PARKING BRAKE -ON
NAVIGATION EQUIPMENT -OFF
AVIONICS MASTER SWITCH -OFF
ENGINE -1000 RPM
MIXTURE -IDLE CUT-OFF
IGNITION -OFF AND KEY REMOVED
EXTERIOR & INTERIOR LIGHTS -OFF
MASTER SWITCH -OFF

PARKING & SECURING

FLIGHT CONTROLS -SECURE
CHOCKS & TIEDOWNS -IN PLACE
PITOT COVER -ON
PROPELLER LOCK -SECURE

COMMUNICATIONS (KBVY)

TOWER PHONE: 978-922-0657	ATIS / ASOS: 119.2
BFC PHONE: 978-774-7755	GROUND: 121.60
ASOS PHONE: 978-921-5042	TOWER / CTAF: 125.2
BFC / NORTH ATLANTIC AIR: 123.3	AIR-TO-AIR: 122.75
FLIGHT WATCH: 122.0	FLIGHT SERVICE: 122.2

AIRSPEDS

V_R - 70 KIAS @ 10° FLAPS
(65 KIAS @25° FLAPS)
V_X BEST ANGLE - 79 KIAS
V_Y BEST RATE - 89 KIAS
ENROUTE CLIMB - 100 KIAS

V_A - 131 KIAS @ 3400 LBS. GROSS
114 KIAS @ 2400 LBS. GROSS
BEST GLIDE - 87 KIAS
DOOR CLOSE -87 KIAS OR BELOW
APPROACH @ 40° FLAPS - 80 KIAS
MAXIMUM CROSSWIND - 17 KTS