

M20K 252

PREFLIGHT

OIL QUANTITY.....6 QTS OR MORE
FUEL TANKS...CHECKED & DRAINED

COCKPIT

CIRCUIT BREAKERS.....IN
GEAR SW.....DOWN
ALL ROCKER SW.....OFF
MAG SW.....OFF
MASTER.....ON
FUEL GAUGES.....CHECK
JPI.....RESET FUEL
ANNUNCIATOR PANEL.....TEST
FLAPS.....UP
INT/EXT LIGHTS.....CHECK
ALTERNATE AIR DOOR.....CHECK
PITOT HEAT.....CHECK
STBY VAC.....CHECK
MASTER.....OFF
GASCOLATOR.....DRAIN

EXTERIOR WALK AROUND

BEFORE START

PARKING BRAKE.....SET
SEAT BELTS.....CHECK
GEAR SW.....DOWN
ALTERNATE STATIC.....CHECK
EMER GEAR HANDLE.....CHECK
FUEL SELECT.....AS DESIRED
COWL FLAPS.....OPEN
ELT.....ARMED
PASSENGER BRIEF.....DONE

START - NORMAL

forward.
THROTTLE.....FULL OPEN
PROP.....FORWARD
MIXTURE.....FULL RICH
MASTER & ALT SW.....ON
PRIMER.....5 SEC
THROTTLE.....1/2" OPEN
STARTER.....ENGAGE
OIL PRESSURE.....GREEN ARC
AMMETER.....CHARGING
THROTTLE.....800 TO 1000
MIXTURE.....LEAN FOR TAXI

HOT START

THROTTLE.....FULL OPEN
MIXTURE.....IDLE CUT OFF
MASTER.....ON
PRIMER.....5 SEC
THROTTLE.....1/2 INCH
MIXTURE.....FULL RICH
STARTER.....ENGAGE

THEN SHADED AREA
ABOVE

BEFORE TAXI

RADIO MASTER.....ON
ELEC TRIM.....ON
AP MASTER.....ON
COMM, NAV, GPS.....SET
FLIGHT PLAN.....LOADED
EXTERNAL LIGHTS.....SET

TAXI

BRAKES.....TEST
ENGINE GAUGES.....CHECK

5 half turns

M20K 252

BEFORE TAKEOFF

PARKING BRAKE.....SET
 FLIGHT CONTROLS.....CHECK
 FUEL SELECT.....CHECK
 OIL TEMP/PRES.....CHECK
 MIXTURE.....FULL RICH
 PROP.....FULL FORWARD
 THROTTLE.....1800 RPM
 PROP.....CYCLE 3 TIMES
 MAGNETOS.....CHECK
 SUCTION.....CHECK
 THROTTLE.....1000
 AVIONICS & AP.....SET
 EMER GEAR HANDLE.....CHECK
 FLAPS.....SET FOR T/O
 PITCH TRIM.....SET FOR T/O
 SPEED BRAKES.....TEST 3
 COWL FLAPS.....OPEN
 INT/EXT LIGHTS.....SET
 DOOR & WINDOW.....CLOSED
 PARKING BRAKE.....OFF
 STROBE LIGHTS.....ON
 TRANSPONDER.....SET

OPERATING SPEEDS - KTS

ROTATION.....65
 GLIDE.....85
 BEST ANGLE.....85
 BEST RATE.....105
 CRUISE CLIMB.....120

CLIMB

THROTTLE.....V_x FULL, 36" ~~85KT~~ 75"
 THROTTLE.....V_y FULL, 36" ~~105KT~~ 95"
 THROTTLE.....CRUISE 36", ~~120KT~~ 115"
 PROP.....2700 RPM
 LANDING GEAR.....UP
 FLAPS.....UP
 ENGINE GAUGES.....CHECK
 TIT.....1400 - 1500
 FUEL FLOW.....22 - 24 GPH
 EXTERNAL LIGHTS.....AS NEEDED
 MIXTURE.....LEAN TO BLUE ARC

CRUISE

SPEED.....ACCELERATE TO CRUISE
 THROTTLE.....SET MP, 28"
 PROP.....SET RPM, 2500
 MIXTURE.....50 RICH OF PEAK EGT
 COWL FLAPS.....CLOSED
 ENGINE GAUGES.....CHECK

DESCENT

THROTTLE.....20" MINIMUM
 PROP.....2500 RPM
 SPEED BRAKES.....AS NEEDED
 CHT.....>250

BEFORE LANDING

G - GAS.....FULLEST TANK
 U - UNDERCARRIAGE.....DOWN < 140
 M - MIXTURE.....RICH
 P - PROP.....FULL FORWARD
 S - SEAT BELTS/SPEED BRAKE.....SET

AFTER LANDING

FLAPS.....UP
 COWL FLAPS.....OPEN
 MIXTURE.....LEAN FOR TAXI
 SWITCHES.....OFF AS NEEDED
 TIMER.....START
 PITCH TRIM.....SET FOR TAKEOFF
 TRANSPONDER.....SBY

SHUTDOWN

PARKING BRAKE.....SET
 ROCKER SWITCHES.....OFF
 RADIO MASTER.....OFF
 MAG GROUND CHECK.....DONE
 ALTERNATOR FIELD.....OFF
 MIXTURE.....IDLE CUT OFF 1300 rpm
 MASTER.....OFF
 MAGNETO SW.....OFF
 REMOVE KEY!