

C-210A NORMAL CHECKLIST

SAFETY AND INSPECTION

1. Fuel and Oil Quantity.....CHECKED
2. Exterior Inspection.....CHECKED
3. Maintenance Status.....CHECKED
4. Passenger Briefing.....COMPLETED
5. Weight and Balance.....COMPLETED

BEFORE STARTING THE ENGINE

1. Seats and Seat Belts.....ADJUST AND LOCK
2. Flight Controls.....CHECK
3. Brakes.....TEST AND SET
4. Master Switch.....ON
5. Landing Gear.....HANDLE NEUTRAL AND DOWN LIGHT GREEN
6. Landing Gear Lights and Horn PUSH TO TEST
7. Cowl Flaps.....OPEN
8. Trip Tabs.....SET
9. Fuel Selector.....FULLEST TANK

STARTING ENGINE

1. Mixture.....RICH
2. Propeller.....HIGH RPM
3. Throttle.....CRACKED (ONE INCH)
4. Starter Circuit Switch.....CHECK "ON"
5. Auxiliary Fuel Pump Switch....."LOW PRIME"
6. Ignition Switch.....START
(when fuel flow is steady at 2 to 4 gal/hr) Hold until engine fires, but not longer than 30 sec.
7. Ignition Switch.....RELEASE TO "BOTH"
(immediately after engine fires)
8. Auxiliary Fuel Pump Switch.....OFF
(after engine starts)

AFTER START / TAXI

1. Oil Pressure.....CHECK
2. Warm Up.....900-1000 RPM
3. Avionics.....ON
4. Interior Lights.....AS REQUIRED
5. Exterior Lights.....AS REQUIRED
6. Air Vents / Heater.....AS REQUIRED
7. Accessory Switches.....ON
8. Mixture.....SET
9. Radios.....SET
10. Navigation Equipment.....CHECK AND SET
11. Instruments.....CHECK
12. Altimeter.....SET
13. DG.....SET

BEFORE TAKEOFF

1. Induction Air.....COLD
2. Throttle Setting.....1700 RPM
3. Engine Instruments.....WITHIN GREEN ARC
4. Generator.....LIGHT OUT
5. Magnetos.....CHECK (125 RPM maximum drop)
6. Propeller Control.....CHECK
7. Flight Controls.....RECHECK
8. Wing Flaps.....0° to 20°
9. Cowl Flaps.....FULL OPEN
10. Trim Tabs.....TAKE-OFF
11. Cabin Doors.....CLOSED AND LOCKED
12. Flight Instruments and Radios.....SET

TAKEOFF

NORMAL TAKEOFF

- Power.....FULL THROTTLE
2. Elevator Control..LIFT NOSEWHEEL AT 60 MPH
 3. Brakes....APPLY MOMENTARILY (when airborne)
 4. Landing Gear.....RETRACT (in climb-out)
 5. Wing Flaps.....RETRACT (if extended)

MAXIMUM PERFORMANCE

1. Wing Flaps.....20°
2. Brakes.....APPLY
3. Power.....FULL THROTTLE
4. Mixture.....LEAN FOR FIELD ELEVATION
5. Brakes.....RELEASE
6. Elevator Control.....SLIGHTLY TAIL LOW
7. Climb Speed.....70 MPH
8. Landing Gear and Flaps.....RETRACT AFTER OBSTACLES ARE CLEARED

CLIMB

NORMAL CLIMB

1. Air Speed.....120 to 140 MPH
2. Power.....24 INCHES AND 2450 RPM
3. Mixture.....LEAN
(high fuel flow side of cruise fuel flow range for power being used)
4. Cowl Flaps.1/2 OR FULL OPEN, AS REQUIRED

MAXIMUM PERFORMANCE CLIMB

1. Air Speed.....104 MPH (sea level)
99 MPH (10,000 feet)
2. Power.....FULL THROTTLE AND 2625 RPM
3. Mixture.....LEAN FOR ALTITUDE
4. Cowl Flaps.....FULL OPEN

CRUISING

1. Normal Power.....23 inches and 2300 RPM
2. Maximum Power.....24 inches and 2450 RPM
3. Cowl Flaps.....ADJUST to maintain normal cylinder head temperature
4. Trim Tabs.....ADJUST
5. Mixture.....LEAN low fuel flow side of cruise fuel flow range for power being used

LET-DOWN

1. Mixture.....RICH
2. Power.....AS DESIRED

BEFORE LANDING

1. Fuel Selector.....FULLEST TANK
2. Landing Gear.....DOWN (below 160 MPH)
3. Landing Gear Light.....GREEN
4. Flaps.....DOWN 10° (below 160 MPH)
5. Mixture.....RICH
6. Airspeed.....85-95 MPH (flaps retracted)
7. Propeller.....HIGH RPM
8. FlapsDOWN 10° - 40° (below 110 MPH)
9. Airspeed.....75 - 85 MPH (flaps extended)
10. Trim Tabs.....ADJUST

NORMAL LANDING

1. Touch Down.....MAIN WHEELS FIRST
2. Landing Roll...LOWER NOSEWHEEL GENTLY
3. Braking.....MINIMUM REQUIRED

AFTER LANDING

1. Cowl Flaps.....OPEN
2. Wing Flaps.....RETRACT
3. Mixture.....AS REQUIRED
4. Trim.....TAKOFF
5. Lights..... AS REQUIRED

SHUTDOWN

1. Radios.....OFF
2. Lights.....AS REQUIRED
3. Mixture.....IDLE CUT-OFF
4. Ignition Switch.....OFF
5. Master Switch.....OFF

AIRSPEEDS FOR SAFE OPERATION

VX.....74 MPH
Vy.....104 MPH
Va.....130 MPH
Vlo & Vle.....160 MPH
Vfe.....10 = 160.....>10 to 40 = 110 MPH

ENGINE

Continental TSIO 470-E
Oil Capacity 12 Quarts
Useable Fuel 55 Gallons

TIRE PRESSURES

Mains 53 psi Nose 45 psi

WEIGHT & BALANCE DATA

MAX TAKEOFF WT	2900
USEFUL LOAD	995
MAX BAGGAGE	120

LIGHT GUN SIGNALS

Color & Type	On Ground	In Flight
STEADY GREEN	Cleared for Takeoff	Cleared to land
FLASHING GREEN	Cleared for Taxi	Return for Landing
STEADY GREEN	STOP	Give Way and Continue Circling
FLASHING GREEN	Taxi clear of runway in use	Airport Unsafe Do Not Land
FLASHING WHITE	Return to starting point on airport	----
Alternating RED and GREEN	Exercise Extreme Caution	