# AIRCRAFT CHECKOUT CHECKLIST

TO BE COMPLETED WITH CFI.

| DATE | PILOT'S NAME | A/C TYPE |
|---|---|---|
| TOTAL TIME | HOURS IN TYPE | RATINGS |
| LICENSE# | DATE OF LAST BFR | DATE OF MEDICAL |

CFI ____ Pilot ____ Feet placed on Torque Tube to feel ineffective braking.

CFI ____ Pilot ____ Preflight: ☐Drains positively shut off. ☐Roll tires to inspect for bald spots. ☐Cowl fasteners properly fastened. ☐Brake fluid. ☐ Pitot Tube clear. ☐Fuel level visually checked to tabs or full. ☐Hood on board. ☐Chart on board.

CFI ____ Pilot ____ Starting: ☐Prior to start: ☐No gravel. ☐Seat latch pushed down while firmly rocking back and forth in seat to insure proper locking. ☐Electric fuel pump checked prior to start.

CFI ____ Pilot ____ Taxi: ☐Check brakes. ☐Taxi exactly on yellow centerline. ☐Taxi slow in ramp, as man walks. ☐Use of hand brake as backup to toe brakes. ☐Brakes not dragged. ☐Nose wheel steering used to turn, not brakes. ☐Position of ailerons and stabilator. ☐Taxi speed slow if windy.

CFI ____ Pilot ____ Runup: ☐Use of parking brake. ☐Switch tanks prior to runup, or runup again after switching. ☐No items skipped on checklist. ☐If any items not completely normal, taxi back or call Golden State on 123.5MHZ (Unicom).

CFI ____ Pilot ____ Takeoff: ☐Check RPM on takeoff roll, abort if not normal. ☐Abort takeoff if any unusual noises or vibrations or roughness.

CFI ____ Pilot ____ VOR: ☐Intercept radial and track. ☐Triangulate position.

CFI ____ Pilot ____ Avionics: ☐ADF tuned in and Aircraft turned towards station. ☐DME tuned in and distance, GS, and time readouts observed. ☐Autopilot engaged in heading and also coupled to VOR. ☐Audio panel used in all configurations for both Comms and all Navs. ☐ RNAV - waypoint set in and tracked to.

CFI ____ Pilot ____ Maneauvers: ☐Approach Speed ☐ Flaps. 30° banked turns level flight. ☐ 45° banked turns in level flight. ☐720° each way. ☐Gliding turns 30° bank. ☐ Gliding turns 45° bank (360° turn). ☐Full power go-around from gliding turn to the left.

CFI ____ Pilot ____ Minimum Controllable: ☐ A/S: ☐Flaps down, 30° turns, level, climbing, descending.

CFI ____ Pilot ____ Stalls: ☐Approach stalls, left and right. ☐Departure L & R. ☐Accelerated stalls L & R. ☐Full flap go-around stalls - power on, L & R.

CFI ____ Pilot ____ Spirals: ☐Recovery visually from spiral, 45° bank, power on.

CFI ____ Pilot ____ Hood: ☐180° standard rate turn. ☐Unusual attitude - nose high. ☐Unusual attitude - power on spiral dive.

CFI ____ Pilot ____ Forced Landing: ☐Preheat carbureator. ☐Set glide speed. ☐Head to chosen area. ☐Restart procedure - ☐Switch tanks. ☐Fuel pump ON. ☐Carb Heat ON. ☐ Mags. ☐Mixture. ☐Radios: 7700, 121.5.

CFI ____ Pilot ____ Turns around a point.

CFI ____ Pilot ____ Landings: ☐Normal. ☐No Flaps. ☐Slip to landing. ☐Short field. ☐X-wind landing, (use 17-35, 10kt. Minimum component to pass). ☐Surprise go around at less than 10' altitude, full flaps. ☐Recovery from bounced landing. ☐Recovery from high flare. ☐Recovery from slow final approach speed. ☐ Low on final.

CFI ____ Pilot ____ Clearing Runway: ☐Landing light off. ☐Fuel pump off.

CFI ____ Pilot ____ Parking: ☐ Remain on yellow line. ☐Use tow bar. ☐Have pax help watch wingtips due to close quarters on our ramp. ☐ Tails also are parked quite close so be careful of them also. ☐ Key & Master Off. ☐ Avionics Master Off.

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I certify that _____ has competed the above items and I find them qualified to act as pilot in command of the above type. _____CFI, Lic#_____Exp.____

| | | | |
|---|---|---|---|
| DATE<br>A/C TYPE | PILOT'S<br>NAME | LICENSE# | DATE OF MEDICAL<br>DATE OF LAST BFR |
| RATINGS | | TOTAL TIME | RETRACT HOURS |
| IFR RATED: Y N | ANY ACCIDENTS OR INCIDENTS IN THE PAST 5 YEARS? Y N<br>If yes, describe in detail | | |

Fuel: Grade_____ Total Capacity_____ Useable_____Gallons _____(Tabs)
Oil: Grade_____ Capacity Full_____ Minimum_____Quarts _____Preflight
Location of Fuel Drain(s)_____

**Fuel Required for a typical Cross-Country Flight in this aircraft:**

| | |
|---|---|
| Climb to 8500 feet | _____Gallons |
| Cruise at 75% power for 2 hours, 30 minutes. | _____Gallons |
| Cruise Descent for 30 minutes. | _____Gallons |
| 30 minutes fuel to proceed to Alternate | _____Gallons |
| Reserve Fuel (45 minutes) | _____Gallons |
| **Total fuel required for this trip** | _____Gallons |

**Note:** To figure climb fuel in aircraft not having a chart for this purpose, use nominal fuel rate at 75% power at sea level x 1.5 x time required for climb. Add 20% of nominal hourly to account for start , taxi runup and takeoff.

Stall speed no flaps _____ Stall Speed, Full flaps_____ (specify knots or Miles per hour.)
Maneuvering speed _____ Max Flap extension speed_____
Best angle of climb speed _____ Best rate of climb speed_____ Best glide_____
Recommended short field approach speed_____ Enroute Climb Speed_____
What is the distance required for clearing a 50' obstacle msl on a standard day? _____
What is the distance required for clearing a 50' obstacle @ 5000' & 90° F? _____
What is TAS _____, Fuel consumption_____GPH, and endurance_____Hrs. At 75% power, 7500'? _____
What is TAS _____, Fuel consumption_____GPH, and endurance_____Hrs. At 65% power, 7500'? _____
If constant speed prop, what MP and RPM combinations would you use in each of the above problems?
#1 RPM____ MP____ #2 RPM____ MP____
What is the emergency go-around procedure?_____
If retractable, describe the emergency gear extension procedure:_____

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**A sample Weight & Balance problem is to be done for all aircraft checkouts. For your sample, use actual aircraft data and assume all seats occupied using typical or specific occupant weights.**

| Item | Weight | Arm | Moment |
|---|---|---|---|
| Empty Weight | | | |
| Pilot & Frt Passenger | | | |
| Rear Passenger(s) | | | |
| Fuel | | | |
| Baggage | | | |
| Totals | | | |
| CG Location:_____ | | | |

## Check pilot: Items below MUST be signed off before pilot solos.

- ☐ Local operating proceedures
- ☐ Aircraft Preflight
- ☐ Club Policies
- ☐ Appropriate Logbook entries
- ☐ Weight & Balance
- ☐ Aircraft Com/Nav Sys.
- ☐ Lease Agreement
- ☐ SD Terminal Area Familiarization
- ☐ Fuel System
- ☐ Radio Navigation
- ☐ Pilot Documents
- ☐ Club Dispatch Proceedures

**Instructor Signature:**_____

**Special Notes:** **Non-Instrument Rated Pilots:** Please initial each statement below.

_____ Night Cross-Country flight is prohibited. Local night flight is allowed if pilot is properly checked out and Current. Local area for night flight is defined as that area bounded by Brown Field to the south, Palomar Airport to the North, the Ocean to the West and the Mountains to the East.

_____ No flights on top of any overcast.

_____ Cross-Country flights in excess of 500 NM not permitted unlesss specifically approved my mangement.