Tailwheel Transition Course

Objective: Give the pilot all skills necessary to act as PIC of a tailwheel aircraft. The tailwheel endorsement required by FAR 61.31(i) will be provided upon successful completion of this course.

Aircraft: Citabria 7KCAB 150HP. 5.0 flying hours; 1.9 ground hours*

** Note: Ground training will be increased by approx 1.0 hour if student does not complete self-study readings comparable to the following:*

Related Publications:
1) The Compleat Taildragger Pilot - Plourde
2) Taming the Taildragger - Ball
3) Citabria POH

GROUND TRAINING - Tailwheel Theory 1.0 Hours Ground

- CG vs. Gear placement
- CG dynamics/Rudder sensitivity
- Forces affecting CG: Torque, wind, aircraft design, runway composition.
- Ground ops - Tailwheel lag
  - Wind effects and corrections
- Handling Characteristics: Takeoff, landing, slips

FLIGHT TRAINING

LESSON 1 1.0 Hours Dual

OBJECTIVE: Familiarize the student with the Citabria aircraft, demonstrate CG movements and rudder sensitivity.

PREREQUISITE: Ground training session 1.

ELEMENTS:
- Demo preflight inspection
- Aircraft and cockpit familiarization
- Start, taxi, wind corrections
- Demo takeoff
- Rudder coordination exercises
- Steep Turns
- Stall series
- Flight at critically slow airspeeds
- Side and forward slips at altitude
- Demo landing

LESSON 2 0.3 Hours Ground
1.0 Hours Dual

OBJECTIVE: Introduce the student to traffic pattern, landing profile, and wheel landings.

REVIEW: CG dynamics, side and forward slip, rudder sensitivity.

ELEMENTS:
- Traffic pattern dimensions
- Landing profile
- Forward and side slips in the pattern
- Wheel landings
- Go around procedures
- Demo Full stall (3 Point) landing

LESSON 3 0.3 Hours Ground
1.0 Hours Dual

OBJECTIVE: Continue to develop proficiency at landings.

REVIEW: Elements of Lesson 2

ELEMENTS:
- Wheel landings
- Full stall landing (initial practice)

LESSON 4 1.0 Hours Dual

OBJECTIVE: Develop proficiency in wheel landings.

REVIEW:
- Wheel landings

ELEMENTS:
- Full stall landings
- Power off landings (Emergency landings)

LESSON 5 0.3 Hours Ground
1.0 Hours Dual

OBJECTIVE:
- Learn the procedures for maximum performance takeoffs and landings.

REVIEW:
- All landings

ELEMENTS:
- Short field takeoff
- Soft field takeoff
- Accuracy landings
- Short field landings
- Soft field landings