



AW-005E

Tailwheel Checkout Requirements

I. Lesson1: Tailwheel Distinctives

A. Ground (3 hours):

1. Discuss effects of traveling with mass aft of swivel point.
2. Discuss weathervaning tendencies.
3. Discuss Handstarting procedures
4. (At Aircraft) Preflight operations

B. Flight (1 hour)

1. Startup (depending on student's experience level, may be with ropes and chocks still on the wheels.)
2. Taxi (demonstrate S-Turns)
3. Takeoff
4. Coordination.
 - a. Sit up straight
 - b. Feel what the acft is doing to your seat; fix with rudder
 - c. Dutch Rolls
5. Approach and Landing

II. Lesson 2: Review Tailwheel Distinctives

A. Ground (1 hour)

1. Instructor explains Control Functions
2. Review Taxi distinctive of the tailwheel
3. Student talks Instructor through preflight

B. Flight (1 hour)

1. Taxi practice
2. Takeoff (student with CFI follow-through)
3. Demonstrate interactivity of Controls ("Control Functions" article)
4. Coordination. Demonstrate/exaggerate slips/skids
 - a. Sit up straight
 - b. Steep 360/720/1080
 - c. Feel what the acft is doing to your seat; fix with rudder
 - d. Dutch Rolls
5. Introduce Stalls and Slowflight
6. Approach and Landing

III. Lesson 3: Review, Emphasize Airwork

A. Ground (1 hour)

1. Student explains Control Functions
2. Review dynamics of stalls and slowflight
3. Student talks Instructor through preflight

B. Flight (1 hour)

1. Taxi practice
2. Takeoff (student with CFI follow-through)
3. Demonstrate interactivity of Controls
4. Approach and Landing

IV. Lesson 4: Review; Emphasize Airwork

A. Ground (1 hour)

1. Student explains Control Functions
2. Review dynamics of stalls and slowflight
3. Student talks Instructor through preflight

B. Flight (1 hour)

1. Taxi practice
2. Takeoff (student with CFI follow-through)
3. Stalls and Slowflight, falling leaf
4. Introduce departure stalls
5. Approach and Landing; low pass

V. Lesson 5: Initiate Ground Reference

1. Taxi practice
2. Takeoff (student; CFI follow-through as necessary)
3. Coordination. Demonstrate/exaggerate slips/skids
 - a. Sit up straight
 - b. Feel what the acft is doing to your seat; fix with rudder
 - c. Dutch Rolls
4. Review departure stalls
5. Introduce Emergency Procedures
6. Introduce Ground Reference Maneuvers
 - a. Turns around a point
 - b. S Turns
7. Approach and Landing; low pass
8. Introduce Skootch.
9. CFI talks student through landing (wheel).

VI. Lesson 6: Begin Pattern Work

1. Taxi practice
2. Takeoff (student; CFI follow-through as necessary)
3. Approach and Landing; low pass
4. Skootch.

5. CFI talks student through landing (3 point).

VII. Lesson 7: Continue Pattern Work

1. Taxi practice
2. Takeoff (student; CFI follow-through as necessary)
3. Approach and Landing; low pass
4. Emergency simulations at various parts of the pattern
5. Skootch
6. CFI talks student through landing.

VIII. Lesson 8: Continue Pattern Work

1. Taxi practice
2. Takeoff (student; CFI follow-through as necessary)
3. Approach and Landing; low pass
4. Emergency simulations at various parts of the pattern
5. Student practices landing. Work on both wheel landings and 3-point, as appropriate.

IX. Lesson 9, 10, 11: Continue Pattern Work

1. Taxi practice
2. Takeoff (student; CFI follow-through as necessary)
3. Approach and Landing; low pass
4. Emergency simulations at various parts of the pattern
5. Student practices landing. Work on both wheel landings and 3-point, as appropriate.

X. Lesson 10: Short and Soft Field Operations

A. Ground: Short and Soft Fields

1. Goals of a Short Field TO
2. Goals of a Short Field Landing
NOTE: Various kinds of Short Fields; when to use V_x , V_y .
3. Goals of a Soft Field TO
4. Goals of a Soft Field Ldg
NOTE: Various kinds of soft Fields
NOTE: Explain different philosophies, 8083-3A and AASF. Give student an opportunity to read back, think through, and practice both.

B. Flight: Short and Soft Field Practice

1. Taxi practice
2. Short Field Takeoff (student; CFI follow-through as necessary)
3. Short Field Landing
4. Soft Field Takeoff
5. Soft Field Landing

NOTE: It is assumed that throughout the pattern work crosswinds will be a factor during many flights, and will be taught as existing conditions permit.