

**NORTH AERO - PRIVATE PILOT 5.1**

# Phase 3

## Solo phase, first solo to solo cross-country

Lessons 17 - 29

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All 13 Phase 3 lesson plans as fillable instructor records:  
one check per step, ACS and Part 61 references, and a single  
debrief and sign-off per lesson.

# Lesson 17. Pre-Solo Review and Confidence Building

Pre-Flight: 1 hr | Flight Time: 1.5 hr | Post-Flight: 0.5 hr

| STUDENT  |                | DATE            |  | INSTRUCTOR  |
|----------|----------------|-----------------|--|-------------|
| AIRCRAFT | N41459 Warrior | N1302B Luscombe |  | Ground only |
|          | FLIGHT TIME    | GROUND TIME     |  |             |

## OBJECTIVE

Student should have achieved reasonable proficiency in all flight maneuvers, make safe takeoffs and landings consistently without assistance, and recover from poor approaches. Go-around proficiency verified. Radar services practiced.

## LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

### 1. Preflight discussion and solo review - Student directs

PA.I.H PA.I.A PA.I.B

### 2. All maneuvers comprehensive review - Do

PA.IV.A PA.V.A

### 3. Radar services and departure - Do

PA.VIII.F

### 4. Go-arounds and approaches - Do

PA.IV.N

### 5. Readiness assessment - Do

## ITEMS NEEDED FOR SUCCESS

- Preflight planning documents
- Airport Diagram
- Frequency quick list
- Aircraft Checklist
- Sectional Chart

## COMPLETION STANDARDS

Meet the objective above. Each step is complete when performed to the standard of the lesson.

## DEBRIEF AND SIGN-OFF

What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE

# Lesson 18. First Solo

Pre-Flight: 1 hr | Flight Time: 1 hr (Dual: 1 hr, Solo: 0.5 hr) | Post-Flight: 0.5 hr

| STUDENT     | DATE           |                 | INSTRUCTOR  |
|-------------|----------------|-----------------|-------------|
| AIRCRAFT    | N41459 Warrior | N1302B Luscombe | Ground only |
| FLIGHT TIME | GROUND TIME    |                 |             |

## OBJECTIVE

Student has demonstrated ability to solve all ordinary problems on local flight. Three solo landings recommended during first solo period. No further solo authorized until after rest and further dual review.

## LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

### 1. Preflight discussion and solo review - Review procedures

PA.I.H PA.I.A PA.I.B

### 2. Dual: Takeoffs and landings - Do

PA.IV.A PA.IV.B

### 3. Dual: Go-around - Do

PA.IV.N

### 4. CFI endorsement - Verification

61.87(d)

### 5. Solo flight - Three landings

PA.IV.A PA.IV.B

### 6. Postflight celebration and debrief - Do

## ITEMS NEEDED FOR SUCCESS

- Preflight planning documents
- Airport Diagram
- Frequency quick list
- Aircraft Checklist
- Sectional Chart
- All Solo endorsements and logbook

## COMPLETION STANDARDS

Meet the objective above. Each step is complete when performed to the standard of the lesson.

## DEBRIEF AND SIGN-OFF

What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE

# Lesson 19. Dual/Solo Review: Critical Stalls, XC Prep

Pre-Flight: 1.0 hr | Flight Time: 1.0 hr | Solo: 1.0 hr

| STUDENT     | DATE           |                 | INSTRUCTOR  |
|-------------|----------------|-----------------|-------------|
| AIRCRAFT    | N41459 Warrior | N1302B Luscombe | Ground only |
| FLIGHT TIME | GROUND TIME    |                 |             |

## OBJECTIVE

Student refines stall proficiency including power-on stalls and spin awareness. Introduction to cross-country planning concepts. Transition from pattern work to XC navigation mindset.

## LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

### Preflight discussion including XC planning intro - Do

PA.I.H PA.I.D PA.I.A PA.I.B

### Preflight inspection - Do

PA.II.A

### Engine start and taxi - Do

PA.II.C PA.II.D

### Pre-takeoff check - Do

PA.II.F

### Radio communications - Do

PA.III.A

### Normal takeoff and departure - Do

PA.IV.A

### Ground reference maneuvers review - Do

PA.V.B

### Slow flight to ACS standard - Practice

PA.VII.A

### Power-off stalls to ACS standard - Practice

PA.VII.B

### Power-on stalls - Directed performance and practice

PA.VII.C

### Spin awareness discussion and demonstration - Directed performance

PA.VII.D

### VOR tracking and cross-radial identification - Practice

PA.VI.B

### Normal approach and landing - Do

PA.IV.B

### Solo practice: stalls, steep turns, pattern work - Do

### Postflight discussion and XC planning homework - Do

## ITEMS NEEDED FOR SUCCESS

- Preflight planning documents

- Airport Diagram
- Frequency quick list
- Sectional Chart
- Plotter

## COMPLETION STANDARDS

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Meet the objective above. Each step is complete when performed to the standard of the lesson.

## DEBRIEF AND SIGN-OFF

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What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE

# Lesson 20. First Solo Without Prior Dual Checkout

Pre-Flight: 1.0 hr | Flight Time: 1.5 hr | Post-Flight: 0 hr

| STUDENT     | DATE           |                 | INSTRUCTOR  |
|-------------|----------------|-----------------|-------------|
| AIRCRAFT    | N41459 Warrior | N1302B Luscombe | Ground only |
| FLIGHT TIME | GROUND TIME    |                 |             |

## OBJECTIVE

Student plans and executes a solo flight without a preceding dual session. Demonstrates independent decision-making, preflight planning, and traffic pattern proficiency.

## LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

### Independent preflight planning - Do

PA.I.H PA.I.C PA.I.A PA.I.B

### Weather evaluation and go/no-go decision - Do

PA.I.C

### Preflight inspection (solo) - Do

PA.II.A

### Engine start and taxi (solo) - Do

PA.II.C PA.II.D

### Pre-takeoff check (solo) - Do

PA.II.F

### Radio communications (solo) - Do

PA.III.A

### Normal takeoff and climb - Do

PA.IV.A PA.III.B

### Traffic pattern operations - Do

PA.III.B

### Normal approach and landing (crosswind practice) - Do

PA.IV.B

### Forward slip to a landing - Do

PA.IV.M

### Steep turns (solo practice) - Do

PA.V.A

### VOR tracking practice - Do

PA.VI.B

### After landing, parking, and securing - Do

PA.XII.A

### Postflight self-debrief - Do

## ITEMS NEEDED FOR SUCCESS

- Preflight planning documents
- Airport Diagram
- Frequency quick list

- Solo endorsement verified current

## COMPLETION STANDARDS

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Meet the objective above. Each step is complete when performed to the standard of the lesson.

## DEBRIEF AND SIGN-OFF

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What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE

# Lesson 21. Post-Solo Maneuver Review

Pre-Flight: 1.0 hr | Flight Time: 0.5 hr | Solo: 1.0 hr

| STUDENT     | DATE           |                 | INSTRUCTOR  |
|-------------|----------------|-----------------|-------------|
| AIRCRAFT    | N41459 Warrior | N1302B Luscombe | Ground only |
| FLIGHT TIME | GROUND TIME    |                 |             |

## OBJECTIVE

Student reviews and refines maneuvers post-solo with brief dual check followed by solo practice. Focus on building independent proficiency in traffic pattern, steep turns, and ground reference maneuvers.

## LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

### Preflight discussion and solo planning - Do

PA.I.H PA.I.A PA.I.B

### Preflight inspection - Do

PA.II.A

### Engine start and taxi - Do

PA.II.C PA.II.D

### Pre-takeoff check - Do

PA.II.F

### Radio communications - Do

PA.III.A

### Normal takeoff and departure - Do

PA.IV.A PA.III.B

### Steep turns (dual review) - Practice

PA.V.A

### Slow flight review (dual) - Practice

PA.VII.A

### Power-off stalls review (dual) - Practice

PA.VII.B

### Power-on stalls review (dual) - Practice

PA.VII.C

### Spin awareness discussion (dual) - Practice

PA.VII.D

### Ground reference maneuvers (dual review) - Practice

PA.V.B

### Normal approach and landing - Practice

PA.IV.B

### Solo practice: traffic pattern, steep turns, ground reference - Do

PA.IV.A PA.IV.B PA.V.A PA.V.B

### Postflight discussion and solo debrief - Do



## ITEMS NEEDED FOR SUCCESS

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- Preflight planning documents
- Airport Diagram
- Frequency quick list

## COMPLETION STANDARDS

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Meet the objective above. Each step is complete when performed to the standard of the lesson.

## DEBRIEF AND SIGN-OFF

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What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE

# Lesson 22. Solo Practice: VOR, Landings, Steep Turns

Pre-Flight: 0.5 hr | Flight Time: 1.0 hr | Post-Flight: 0 hr

| STUDENT     |                | DATE            |  | INSTRUCTOR  |
|-------------|----------------|-----------------|--|-------------|
| AIRCRAFT    | N41459 Warrior | N1302B Luscombe |  | Ground only |
| FLIGHT TIME |                | GROUND TIME     |  |             |

## OBJECTIVE

Solo practice session focused on VOR tracking, landing proficiency, and steep turns. Building independent decision-making and airmanship.

## LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

|                                                                    |
|--------------------------------------------------------------------|
| <b>Independent preflight planning - Do</b><br>PA.I.H PA.I.A PA.I.B |
| <b>Weather evaluation and go/no-go - Do</b><br>PA.I.C              |
| <b>Preflight inspection - Do</b><br>PA.II.A                        |
| <b>Engine start and taxi - Do</b><br>PA.II.C PA.II.D               |
| <b>Pre-takeoff check - Do</b><br>PA.II.F                           |
| <b>Radio communications - Do</b><br>PA.III.A                       |
| <b>Normal takeoff and departure - Do</b><br>PA.IV.A PA.III.B       |
| <b>VOR tracking practice - Do</b><br>PA.VI.B                       |
| <b>Steep turns (left and right) - Do</b><br>PA.V.A                 |
| <b>Forward slip to a landing practice - Do</b><br>PA.IV.M          |
| <b>Normal approach and landing (multiple) - Do</b><br>PA.IV.B      |
| <b>After landing and securing - Do</b><br>PA.XII.A                 |
| <b>Postflight self-debrief - Do</b>                                |

## ITEMS NEEDED FOR SUCCESS

- Preflight planning documents
- Airport Diagram
- Frequency quick list

## COMPLETION STANDARDS

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Meet the objective above. Each step is complete when performed to the standard of the lesson.

## DEBRIEF AND SIGN-OFF

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What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE

# Lesson 23. Night Cross-Country (Dual)

Pre-Flight: 1.5 hr | Flight Time: 3.0 hr | Post-Flight: 0.5 hr

| STUDENT     | DATE           |                 | INSTRUCTOR  |
|-------------|----------------|-----------------|-------------|
| AIRCRAFT    | N41459 Warrior | N1302B Luscombe | Ground only |
| FLIGHT TIME | GROUND TIME    |                 |             |

## OBJECTIVE

Student plans and executes a night cross-country flight over 100nm. Satisfies 61.109(a)(2) night XC requirement. Builds on Lesson 20 night experience. Practices night navigation, flight following, and night operations at unfamiliar airports.

## LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

### 1. Night XC flight planning (nav log, W&B, fuel with night reserves) - Do

PA.I.D PA.I.F

### 2. Weather briefing with attention to night-specific hazards - Do

PA.I.C

### 3. Night preflight inspection - Do

PA.II.A PA.XI.A PA.I.A PA.I.B

### 4. Engine start with cockpit lighting configured - Do

PA.II.C

### 5. Night taxi and runway identification - Do

PA.II.D PA.XI.A

### 6. Pre-takeoff check - Do

PA.II.F

### 7. Request flight following - Do

PA.VIII.F

### 8. Night takeoff and climb - Practice

PA.IV.A PA.XI.A

### 9. Night pilotage and dead reckoning (lighted landmarks) - Directed performance

PA.VI.A PA.XI.A

### 10. VOR/GPS navigation at night - Practice

PA.VI.B

### 11. Radio communications with ATC at night - Do

PA.III.A

### 12. Night approach and landing at unfamiliar airport - Directed performance

PA.IV.B PA.XI.A

### 13. Night departure from unfamiliar airport - Practice

PA.IV.A

### 14. Return leg night navigation - Practice

PA.VI.A PA.VI.B

### 15. Night normal approach and landing - Practice

PA.IV.B PA.XI.A

## 16. After landing, parking, and securing - Do

PA.XII.A

## 17. Postflight discussion: night XC debrief

### ITEMS NEEDED FOR SUCCESS

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- Completed nav log
- Sectional Chart
- Plotter
- E6B/CX3
- Weather briefing
- Flashlight (red lens)
- Extra batteries
- Airport Facility Directory

### COMPLETION STANDARDS

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Meet the objective above. Each step is complete when performed to the standard of the lesson.

### DEBRIEF AND SIGN-OFF

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What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE

# Lesson 24. First Solo Cross-Country

Pre-Flight: 1.5 hr | Flight Time: 2.5 hr | Post-Flight: 0 hr

| STUDENT     | DATE           | INSTRUCTOR      |
|-------------|----------------|-----------------|
| AIRCRAFT    | N41459 Warrior | N1302B Luscombe |
| FLIGHT TIME | GROUND TIME    | Ground only     |

## OBJECTIVE

Student independently plans and executes first solo cross-country flight. Demonstrates proficiency in XC planning, pilotage, dead reckoning, navigation systems, communications, and unfamiliar airport operations. All 61.93(e) items must be endorsed prior to this flight.

## LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

### 1. Independent cross-country flight planning (nav log, W&B, fuel) - Do

PA.I.D PA.I.F

### 2. Weather briefing and go/no-go decision - Do

PA.I.C

### 3. NOTAM and TFR check - Do

PA.I.E

### 4. Preflight inspection - Do

PA.II.A PA.I.A PA.I.B

### 5. Engine start and taxi - Do

PA.II.C PA.II.D

### 6. Pre-takeoff check - Do

PA.II.F

### 7. Request flight following - Do

PA.VIII.F

### 8. Normal takeoff and climb - Do

PA.IV.A

### 9. Pilotage and dead reckoning navigation - Do

PA.VI.A

### 10. VOR/GPS course tracking - Do

PA.VI.B

### 11. Radio communications enroute (frequency changes) - Do

PA.III.A

### 12. Unfamiliar airport entry and landing - Do

PA.IV.B

### 13. Departure from unfamiliar airport - Do

PA.IV.A

### 14. Return leg navigation - Do

PA.VI.A PA.VI.B

### 15. Normal approach and landing - Do

PA.IV.B

## 16. After landing, parking, and securing - Do

PA.XII.A

## 17. Postflight self-debrief and nav log review

### ITEMS NEEDED FOR SUCCESS

---

- Completed nav log
- Sectional Chart
- Plotter
- E6B/CX3
- Weather briefing printout
- Airport Facility Directory
- W&B worksheet
- Solo XC endorsement verified
- Flight plan (if filing)

### COMPLETION STANDARDS

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Meet the objective above. Each step is complete when performed to the standard of the lesson.

### DEBRIEF AND SIGN-OFF

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What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE

# Lesson 25. Solo Cross-Country: 100nm+ Requirement

Pre-Flight: 1.5 hr | Flight Time: 3.0 hr | Post-Flight: 0.5 hr

| STUDENT     | DATE           | INSTRUCTOR      |
|-------------|----------------|-----------------|
| AIRCRAFT    | N41459 Warrior | N1302B Luscombe |
| FLIGHT TIME | GROUND TIME    | Ground only     |

## OBJECTIVE

Student plans and executes the long solo cross-country meeting 61.109(a)(5) requirements: total distance over 150nm with full-stop landings at minimum 3 points and one segment of at least 50nm between takeoff and landing locations.

## LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

### 1. Long XC flight planning (multi-leg nav log, W&B, fuel for all legs) - Do

PA.I.D PA.I.F

### 2. Weather briefing for entire route and alternates - Do

PA.I.C

### 3. NOTAM and TFR check for all airports - Do

PA.I.E

### 4. Preflight inspection - Do

PA.II.A PA.I.A PA.I.B

### 5. Engine start and taxi - Do

PA.II.C PA.II.D

### 6. Pre-takeoff check - Do

PA.II.F

### 7. Request flight following - Do

PA.VIII.F

### 8. Normal takeoff and climb - Do

PA.IV.A

### 9. Pilotage and dead reckoning (multi-leg) - Do

PA.VI.A

### 10. VOR/GPS navigation - Do

PA.VI.B

### 11. Radio communications (multiple frequencies) - Do

PA.III.A

### 12. Landing at intermediate airports (full stop) - Do

PA.IV.B

### 13. Departures from intermediate airports - Do

PA.IV.A

### 14. Fuel management across multiple legs - Do

### 15. Return and normal approach/landing - Do

PA.IV.B



## 16. After landing, parking, and securing - Do

PA.XII.A

## 17. Postflight self-debrief and nav log accuracy review

### ITEMS NEEDED FOR SUCCESS

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- Multi-leg nav log
- Sectional Chart
- Plotter
- E6B/CX3
- Weather briefing
- Airport Facility Directory for all airports
- W&B worksheet
- Solo XC endorsement verified

### COMPLETION STANDARDS

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Meet the objective above. Each step is complete when performed to the standard of the lesson.

### DEBRIEF AND SIGN-OFF

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What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE

# Lesson 26. Checkride Maneuver Review (Dual)

Pre-Flight: 1.0 hr | Flight Time: 1.5 hr | Post-Flight: 0.5 hr

| STUDENT  |                | DATE            |  | INSTRUCTOR  |
|----------|----------------|-----------------|--|-------------|
| AIRCRAFT | N41459 Warrior | N1302B Luscombe |  | Ground only |
|          | FLIGHT TIME    | GROUND TIME     |  |             |

## OBJECTIVE

Comprehensive dual review of all checkride maneuvers to ACS standard. Go-arounds from each landing type. Identifies areas needing further work before checkride preparation phase.

## LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

|                                                                                           |
|-------------------------------------------------------------------------------------------|
| <b>1. Preflight discussion: ACS standards review - Do</b><br>PA.I.H PA.I.A PA.I.B         |
| <b>2. Preflight inspection - Do</b><br>PA.II.A                                            |
| <b>3. Engine start and taxi - Do</b><br>PA.II.C PA.II.D                                   |
| <b>4. Pre-takeoff check - Do</b><br>PA.II.F                                               |
| <b>5. Radio communications - Do</b><br>PA.III.A                                           |
| <b>6. Normal takeoff and climb - Do</b><br>PA.IV.A PA.III.B                               |
| <b>7. Steep turns (left and right, 45-degree bank) - Practice</b><br>PA.V.A               |
| <b>8. Ground reference maneuvers (S-turns, turns around a point) - Practice</b><br>PA.V.B |
| <b>9. Slow flight to ACS standard - Practice</b><br>PA.VII.A                              |
| <b>10. Power-off stalls to ACS standard - Practice</b><br>PA.VII.B                        |
| <b>11. Power-on stalls to ACS standard - Practice</b><br>PA.VII.C                         |
| <b>12. Emergency descent - Practice</b><br>PA.IX.A                                        |
| <b>13. Emergency approach and landing (simulated) - Practice</b><br>PA.IX.B               |
| <b>14. Short-field takeoff and climb - Practice</b><br>PA.IV.E                            |
| <b>15. Short-field approach and landing - Practice</b><br>PA.IV.F                         |

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**16. Go-around from short-field approach - Practice**PA.IV.N

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**17. Soft-field takeoff and climb - Practice**PA.IV.C

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**18. Soft-field approach and landing - Practice**PA.IV.D

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**19. Go-around from soft-field approach - Practice**PA.IV.N

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**20. Forward slip to a landing - Practice**PA.IV.M

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**21. Normal approach and go-around - Practice**PA.IV.N

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**22. Normal approach and landing - Do**PA.IV.B

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**23. Instrument work review: unusual attitudes (hood) - Practice**PA.VIII.E

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**24. After landing and securing - Do**PA.XII.A

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**25. Postflight discussion: deficiency areas identified**

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**ITEMS NEEDED FOR SUCCESS**

- Preflight planning documents
- Airport Diagram
- Frequency quick list
- View-limiting device (hood/foggles)
- ACS standards reference

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**COMPLETION STANDARDS**

Meet the objective above. Each step is complete when performed to the standard of the lesson.

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**DEBRIEF AND SIGN-OFF**

What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE

# Lesson 27. Solo Cross-Country: Multiple Airports

Pre-Flight: 1.5 hr | Flight Time: 4.0 hr | Post-Flight: 0.5 hr

| STUDENT     | DATE           |                 | INSTRUCTOR  |
|-------------|----------------|-----------------|-------------|
| AIRCRAFT    | N41459 Warrior | N1302B Luscombe | Ground only |
| FLIGHT TIME | GROUND TIME    |                 |             |

## OBJECTIVE

Extended solo cross-country with multiple airport stops. Builds XC confidence and independent decision-making. Practice different airport environments (towered, non-towered, different runway configurations).

## LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

### 1. Multi-airport XC flight planning (nav log, W&B, fuel) - Do

PA.I.D PA.I.F

### 2. Weather briefing for entire route - Do

PA.I.C

### 3. NOTAM and TFR check - Do

PA.I.E

### 4. Preflight inspection - Do

PA.II.A PA.I.A PA.I.B

### 5. Engine start and taxi - Do

PA.II.C PA.II.D

### 6. Pre-takeoff check - Do

PA.II.F

### 7. Request flight following - Do

PA.VIII.F

### 8. Normal takeoff and climb - Do

PA.IV.A

### 9. Pilotage and dead reckoning - Do

PA.VI.A

### 10. VOR/GPS navigation - Do

PA.VI.B

### 11. Radio communications (towered and non-towered) - Do

PA.III.A

### 12. Landings at multiple airports (varied environments) - Do

PA.IV.B

### 13. Short-field operations at appropriate airports - Do

PA.IV.E PA.IV.F

### 14. Soft-field operations if appropriate - Do

PA.IV.C PA.IV.D

### 15. Forward slip practice - Do

PA.IV.M

## 16. Departures from multiple airports - Do

PA.IV.A

## 17. Return and normal approach/landing - Do

PA.IV.B

## 18. After landing, parking, and securing - Do

PA.XII.A

## 19. Postflight self-debrief

### ITEMS NEEDED FOR SUCCESS

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- Multi-leg nav log
- Sectional Chart
- Plotter
- E6B/CX3
- Weather briefing
- Airport Facility Directory
- W&B worksheet

### COMPLETION STANDARDS

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Meet the objective above. Each step is complete when performed to the standard of the lesson.

### DEBRIEF AND SIGN-OFF

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What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE

# Lesson 28. Solo Maneuver Practice: Airwork

Pre-Flight: 0.5 hr | Flight Time: 1.0 hr | Post-Flight: 0.5 hr

| STUDENT     |                | DATE            |             | INSTRUCTOR |
|-------------|----------------|-----------------|-------------|------------|
| AIRCRAFT    | N41459 Warrior | N1302B Luscombe | Ground only |            |
| FLIGHT TIME |                | GROUND TIME     |             |            |

## OBJECTIVE

Solo airwork practice focusing on steep turns, slow flight, and stalls to ACS standard. Building proficiency and confidence for checkride preparation.

## LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

### 1. Independent preflight planning - Do

PA.I.H PA.I.A PA.I.B

### 2. Weather evaluation and go/no-go - Do

PA.I.C

### 3. Preflight inspection - Do

PA.II.A

### 4. Engine start and taxi - Do

PA.II.C PA.II.D

### 5. Pre-takeoff check - Do

PA.II.F

### 6. Radio communications - Do

PA.III.A

### 7. Normal takeoff and departure - Do

PA.IV.A

### 8. Steep turns (left and right, 45-degree bank) - Do

PA.V.A

### 9. Slow flight (clean and landing configuration) - Do

PA.VII.A

### 10. Power-off stalls - Do

PA.VII.B

### 11. Power-on stalls - Do

PA.VII.C

### 12. Normal approach and landing - Do

PA.IV.B

### 13. After landing and securing - Do

PA.XII.A

### 14. Postflight self-debrief

## ITEMS NEEDED FOR SUCCESS

- Preflight planning documents
- Airport Diagram
- Frequency quick list

- ACS standards card (personal reference)

## COMPLETION STANDARDS

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Meet the objective above. Each step is complete when performed to the standard of the lesson.

## DEBRIEF AND SIGN-OFF

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What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE

# Lesson 29. Solo Practice: Ground Ref, Short Field, Pattern

Pre-Flight: 0.5 hr | Flight Time: 1.0 hr | Post-Flight: 0.5 hr

| STUDENT     | DATE           |                 | INSTRUCTOR  |
|-------------|----------------|-----------------|-------------|
| AIRCRAFT    | N41459 Warrior | N1302B Luscombe | Ground only |
| FLIGHT TIME | GROUND TIME    |                 |             |

## OBJECTIVE

Solo practice focused on ground reference maneuvers, short-field operations, and traffic pattern proficiency. Final solo practice before entering checkride preparation phase.

## LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

### 1. Independent preflight planning - Do

PA.I.H PA.I.A PA.I.B

### 2. Weather evaluation and go/no-go - Do

PA.I.C

### 3. Preflight inspection - Do

PA.II.A

### 4. Engine start and taxi - Do

PA.II.C PA.II.D

### 5. Pre-takeoff check - Do

PA.II.F

### 6. Radio communications - Do

PA.III.A

### 7. Short-field takeoff and maximum performance climb - Do

PA.IV.E

### 8. Ground reference maneuvers (S-turns, turns around a point) - Do

PA.V.B

### 9. Traffic pattern operations - Do

PA.III.B

### 10. Short-field approach and landing - Do

PA.IV.F

### 11. Normal takeoff and pattern work - Do

PA.IV.A PA.IV.B

### 12. After landing, parking, and securing - Do

PA.XII.A

### 13. Postflight self-debrief

## ITEMS NEEDED FOR SUCCESS

- Preflight planning documents
- Airport Diagram
- Frequency quick list



## COMPLETION STANDARDS

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Meet the objective above. Each step is complete when performed to the standard of the lesson.

## DEBRIEF AND SIGN-OFF

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What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE