


After Landing, Parking, and Securing

Objective	
<p>To ensure the applicant learns the purpose of and can exhibit a clear understanding of shutdown, parking, and securing procedures and how to perform the procedures properly.</p>	
Purpose	
<p>A flight is not done until the airplane is fully secured and tied down. This lesson introduces pilots to the proper methods for engine shutdown, parking, refueling, and securing. It also introduces the importance of the post-flight inspection.</p>	Schedule
<ul style="list-style-type: none"> ● Ground Lesson: 10 minutes - <i>At the airplane</i> ● Initial <ul style="list-style-type: none"> ■ After Flight: 5 minutes - <i>Introduction and Demonstration</i> ● Every Flight <ul style="list-style-type: none"> ■ After Flight: 5 minutes - <i>Student Performs</i> 	Equipment <ul style="list-style-type: none"> ● Airplane Checklist
Student Actions	Instructor Actions
<ul style="list-style-type: none"> ● Ask any questions, receive study material for the next lesson. ● Watch linked videos. ● Review listed references. 	<ul style="list-style-type: none"> ● Deliver the ground lesson (below). ● Demonstrate the procedure after a flight. ● Debrief after each flight.
Completion Standards	
<ul style="list-style-type: none"> ● Ground: Student can explain the procedures for parking, engine shutdown, refueling, and tiedown. ● Flight: Student can perform the post-flight procedures including: <ul style="list-style-type: none"> ● Parking in an appropriate area that is clear of obstacles or debris. ● Obeying marshaling signals, if provided. ● Performing the engine shutdown in accordance with the shutdown checklist. ● Explaining how to refuel the airplane. ● Deplaning passengers safely. ● Securing the airplane and performing a post-flight inspection, including logging discrepancies. 	

References

- Rodney Hoover - "How to tie down an airplane"
 - YouTube - <https://www.youtube.com/watch?v=UMITtV80xpY>
- MZeroA Flight Training - "Fueling Your Airplane"
 - YouTube - <https://www.youtube.com/watch?v=m5q0UsM1I3o>
- FAA-H-8083-3C (Airplane Flying Handbook) - Chapter 2, Page 22-23 [Clear of Runway and Stopped], Chapter 2, Page 23 [Parking/Engine Shutdown/Post-Flight]
- FAA-S-ACS-6C (Private Pilot ACS) - Area XII Task A
- FAA-S-ACS-7B (Commercial Pilot ACS) - Area XI Task A
- FAA-S-ACS-25 (CFI ACS) - Area XIV Task A

Ground Lesson Outline

- Parking
 - Safety considerations for taxiing around tiedown areas
 - Marshaling signals
 - Use of parking brake - when to use and not to use
- Engine Shutdown Procedure
 - P-Leads Check
 - Avionics Shutdown, Engine Shutdown, Master shutdown
 - Use of Checklist
- Refueling
 - Operating a self-serve fuel pump
 - Safety Considerations - Grounding, Mags Cold, Ladder Safety
- Passenger Safety
 - Deplaning, etc.
- Tiedown and Secure
 - How to tie a proper tiedown knot
 - Use of chocks
 - Pitot covers, cowl plugs, control locks, etc.
 - Airport-specific security procedures
- Post-Flight Inspection
 - Logging discrepancies (squawks)

Common Errors

- Hazards resulting from failure to follow recommended procedures.
- Poor planning, improper procedure, or faulty judgment in performance of postflight procedures.
- **Not logging discrepancies encountered in flight or discovered post flight.**

Ground Lesson Supplement

- **Proper Tiedown Knot** - Easy to untie, tightens with more tension

