


Postflight Procedures

Objective	
<p>To ensure the applicant learns the purpose of and can exhibit a clear understanding of shutdown, parking, and tiedown 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 tiedown.</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. 	

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-8083-3B (Airplane Flying Handbook) - Chapter 2, Page 18-19 [Clear of Runway and Stopped], Chapter 2, Page 19 [Parking/Engine Shutdown/Post-Flight]
- FAA-S-ACS-6B (Private Pilot ACS) - Area XII Task A
- FAA-S-ACS-7A (Commercial Pilot ACS) - Area XI Task A
- FAA-S-8081-6D (CFI PTS) - 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.
- 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.

Ground Lesson Supplement

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

