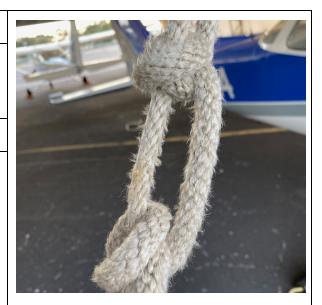
# **Postflight Procedures**

# **Objective**

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.

# **Purpose**

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.



Schedule	Equipment
<ul> <li>Ground Lesson: 10 minutes - At the airplane</li> <li>Initial</li> <li>After Flight: 5 minutes - Introduction and Demonstration</li> <li>Every Flight</li> <li>After Flight: 5 minutes - Student Performs</li> </ul>	Airplane Checklist
Student Actions	Instructor Actions
<ul> <li>Ask any questions, receive study material for the next lesson.</li> <li>Watch linked videos.</li> <li>Review listed references.</li> </ul>	<ul> <li>Deliver the ground lesson (below).</li> <li>Demonstrate the procedure after a flight.</li> <li>Debrief after each flight.</li> </ul>

# **Completion Standards**

- **Ground**: Student can explain the procedures for parking, engine shutdown, refueling, and tiedown.
- Flight: Student can perform the post-flight procedures including:
  - 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=m5q0UsM1l3o
- 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
  - o Use of parking brake when to use and not to use
- Engine Shutdown Procedure
  - P-Leads Check
  - o 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
  - o 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

