

Hamilton Pilot Training Systems (HPTS) Sport Pilot Guide to ASA Visualized Flight Maneuvers Handbook (high wing “blue” and low wing “red” books)

What to study in the ASA “Visualized Flight Maneuvers Handbooks” for High Wing Aircraft (blue book) and Low Wing Aircraft ((red book) for Sport Pilot Training learning to fly and the Sport Pilot Practical Test (checkride).

There are additional study guides similar to this also for the ASA “FAR/AIM” book and the “Pilot’s Handbook of Aeronautical Knowledge” book. Updates for the Sport Pilot Knowledge (written/computerized) are also available as the FAA changes and adds questions.

Follow this guide on what to study and what not to study.

Study all areas in the book unless noted not to, or study maneuver as modified in this guide.

Weight-shift control and Powered Parachutes will have to modify all sections for the specific category of aircraft and typically use the high wing (blue book) version since both are high wings.

Get the Sport Pilot Practical Test Standards for your category aircraft (8081-29 for airplane and 8081-31 for Weight-Shift Control and Powered Parachute).

Study Tips:

1. In the ASA “Visualized Flight Maneuvers Handbook” itself, cross off and modify the maneuvers to help you study as you go and provide a working document for future use.
2. Go over this with your instructor to make notes and prepare for your practical test (Checkride).

Abbreviations for Weight-Shift Control (WSC) and Powered Parachute (PPC) are used in this document.

STUDY GUIDE

Remember – study all areas unless listed or modified below

Aircraft Review and Familiarization – Page 1 through 3

- Airplanes must modify to eliminate the gear down/up speeds, engine systems, operations and instruments to include only those used for the practical.
- Weight-Shift Control - must modify to eliminate the flap and gear down/up speeds, modify engine systems, operations and instruments to include only those used for the practical. The control systems and weight & balance must also be modified for weight shift.
- Powered Parachutes - must modify to eliminate all speeds, modify engine systems, operations and instruments to include only those used for the practical. The control systems must also be modified and the weight & balance.

Preflight Operations, Starting and taxing sections all must be modified for LSA airplanes, WSC, and PPC as appropriate. Modify all additional sections for specific type of aircraft.

Crosswind Takeoff and Climb – Page 10

- Airplane and WSC only

Soft Field and Short field Takeoff and Climb - Pages 10 through 15

- Airplane only

Shallow and Medium Turns – Page 17

- PPC do shallow turn only

Eights on Pylons – Page 22

- ignore

Maneuvering During Slow Flight – Page 24

- Airplane and WSC only

Power Off Stalls – Page 25

- Airplane and WSC only

- Power On Stalls – Page 26
 - Airplane only
- Crossed Controlled Stalls, Elevator trim stalls, Secondary Stalls – Pages 28 through 30
 - ignore
- Steep Turns – Page 31
 - Airplane and WSC only
- Steep Spirals, Chandelles, Lazy Eights – Pages 32 to 37
 - ignore
- Spins – Page 38
 - ignore Spins
 - Airplanes do spin awareness page 39
- Forward Slip – Page 43
 - Airplane only
- Soft and Short Field Approach and Landing – Pages 46 and 47
 - Airplane only
- Power off 180 accuracy approach and landing – Page 48
 - ignore
- Private, Commercial, and Flight instructor Checklists – Pages 51 to 53
 - Use your Sport Pilot practical test checklist