

Flight Lesson: Introduction to Partial Panel

Objectives:

1. exhibit knowledge of the elements related to partial panel flight
2. ability to control the aircraft while flying with a partial panel

Schedule:

Activity	Est. Time
Ground	0.75
Preflight/Taxi	0.25
Flight	2
Debrief	0.25
Total	3.25

Recommended Readings:

IFH	11-3 to 11-8: Aircraft System Malfunctions

Elements Ground:

- Potential Systems Failures
 - All Systems
 - electrical system
 - pitot static system
 - auto pilot
 - G1000
 - AHRS
 - ADC
 - PFD or MFD Displays
 - Magnetometer
 - Traditional Gauges
 - Individual instrument failure
 - vacuum system
- scanning technique
- ATC assistance
- no gyro instrument flying

- evaluation of systems effected
- Various realistic systems malfunctions
- lateral patterns
 - racetrack pattern
 - procedure turn
 - teardrop turn
 - parallel entry
- vertical patterns
 - S-1 pattern
 - S-2 pattern

Elements Air:

- 4 Fundamentals Partial Panel