

Flight Lesson: Single Engine Ops

Terminal Procedures

Objectives:

1. exhibit knowledge of the elements related to Terminal Single Engine Ops
2. exhibit proper identification of, and timely action to secure and inoperative engine
3. can demonstrate proper actions during a simulated engine failure including feathering and unfeathering

Schedule:

Activity	Est. Time
Ground	0.5
Air	1.5
Debrief	0.25
Total	2.25

Recommended Readings:

AFH	Chapter 12: 12-21 to 12-25
POH	Section 3: Engine Out Proc.

Elements Ground:

- **Terminal EO**
 - when is an EO considered critical?
 - On the Runway
 - Upwind / After Takeoff
 - In Pattern
 - On Approach
 - < 3000 ft AGL
 - takeoff briefing
 - what do we do differently?
 - Identify-verify-feather *instead of* identify-verify-fix or feather
- **Engine Failure Procedures**
 - A-N-I-C-T
 - Blue Line
 - Reduce Drag!!
 - “Forward, Forward, Forward, Up, Up”
 - Identifying the Dead Engine
 - Verifying the Dead Engine
 - Fix the Problem Engine
 - Feather/Secure Dead Engine
 - Protect Good Engine
 - Carb Heat, Cowl Flaps, Fuel Pumps
reduce power as able

Elements Air:

- **EO on the runway**
- **EO at simulated Terminal locations**
 - after takeoff / upwind
 - in pattern
 - on approach
- **EO at Terminal Locations**
- **Landing with EO**