

The <b>CIX</b> VFR Club	Flight Training Notes	Exercise <b>32</b>
For Simulation Purposes only. Not to be used for real World flight	<b>MULTI-ENGINE PISTON AIRCRAFT TRAINING SYLLABUS</b>	Issue 1.1 05/04/11

## 1 INTRODUCTION

Flying a small twin engine aircraft is significantly different from flying a similar single engine aircraft. The main differences are: -

- 1) Two engines, naturally.
- 2) Two of every engine control
- 3) Constant Speed Propellers requiring different power management techniques
- 4) Retractable undercarriage in most twin aircraft.
- 5) Higher aircraft weight and payloads
- 6) Higher flying speeds; different handling techniques
- 7) Different emergency procedures

## 2 TRAINING SYLLABUS

Exercise 1	Aeroplane Familiarization and Preparation for Flight
Exercise 1A	Documents and Airworthiness
Exercise 1B	Performance and Limitations
Exercise 1C	Principles of Flight - One Engine Inoperative
Exercise 1D	Weight and Balance, Loading
Exercise 1E	Pre-Flight Inspection (Air Item)
Exercise 1F	Engine Starting, Run-up, Use of Checklists
Exercise 2	Ancillary Controls/Operation of Aircraft Systems
Exercise 3	Taxiing
Exercise 4	Takeoff, Circuit and Landing
Exercise 4A	Takeoff
Exercise 4B	Circuit
Exercise 4C	Approach and Landing
Exercise 5	Cruising Flight
Exercise 6	Engine Failure (Cruise Flight) and Manoeuvring with One Engine Inoperative
Exercise 6A	Aeroplane Control
Exercise 6B	Cockpit Checks
Exercise 6C	Single-engine Manoeuvring

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- Exercise 7      Manoeuvring at Reduced Airspeed
- Exercise 8A    Stall (Clean Configuration)
- Exercise 8B    Approach to Stall (Landing Configuration)
- Exercise 9      Steep Turn
- Exercise 10     Engine Failure During Takeoff or Overshoot
- Exercise 10A    Aeroplane Control
- Exercise 10B    Cockpit Checks
- Exercise 11     Intentional Engine Shutdown
- Exercise 11B    Arrival, Approach and Landing - One Engine Inoperative
- Exercise 12     Emergency Procedures/Malfunctions