



## **Continental Motors, Inc.**

### **Aviation Technician Advanced Training Program**

Thank you for your interest in our services. We are pleased to offer this training to you. Class begins each day at 8:00 a.m. and runs until 4:30 p.m. Friday class dismisses at 1:30 p.m. Factory tours covering machining and manufacturing processes are conducted throughout the week.

#### **Monday**

##### **CLASSROOM - GENERAL ENGINE THEORY**

- Overview of Engine Models 200, 240, 360, 470, 520 & 500 Series
- Crankcase Design and Inspection
- Crankshaft, Camshaft and Drive Train Components
- Lubrication System Schematics
- Lubrication Components Analysis
- Cylinder Inspection Requirements
- Cylinder Maintenance

#### **Tuesday**

##### **TOUR ENGINE TEST FACILITY HANDS ON TRAINING**

- Cylinder
- Crankshaft
- Crankcases

#### **Wednesday**

##### **CLASSROOM – FUEL INJECTION SYSTEM SETUP AND ADJUSTMENT**

- Turbocharger System and Overview
- Fuel Injection System Overview and Detailed Theory
- Service Bulletin Familiarization
- Fuel System Adjustment Procedures (Task Knowledge)

##### **TOUR FUEL INJECTION AND MAGNETO FACILITIES**

#### **Thursday**

##### **CLASSROOM – CONTINENTAL MOTORS IGNITION SYSTEMS**

- Magneto Theory
- Magneto Inspection and Maintenance
- Troubleshooting Shower of Sparks
- Setting Magneto to Engine Timing

##### **HANDS ON TRAINING**

- Ignition System
- Setting Points and Internal Time

#### **Friday**

##### **CLASSROOM - FADEC OVERVIEW TOUR FACTORY**

**NOTE:** The following subject areas are covered throughout the entire course:  
FBO Services and CD ROM Computer Training, 100 Hour Annual Inspection