

# AVIATION DVDS



## HOW TO LICENSE YOUR HOMEBUILT AIRCRAFT

This DVD will walk you through each step to successfully license your experimental amateur homebuilt aircraft. The actual FAA forms required are displayed on screen, and the instructor explains where to obtain them and how to fill them out. P/N 13-03609.....



## HOMEBUILT HELP ELECTRICAL WIRING TUTORIAL DVD

Explains and demonstrates the common procedures, tools and components required for the basic wiring of a homebuilt aircraft. The instructor leads the viewer through demonstrations of crimping, soldering, wire selection and wiring design with simple schematics that are applicable to a homebuilt electrical system. A discussion on proper wire type and sizing, fuses and connectors is supplemented with photos of these components for easy identification. Video length is 1 hour and 20 minutes. P/N13-03578.....



## AIRCRAFT PAINTING 101 DVD

An excellent 2 hour video in which Sam James takes you, in detail, through the finishing, priming, and painting of his RV-4 with the Dupont Veriprime and Chromabase systems. This video is not as finely produced as some others, but the vast quantity of practical information it contains more than makes up for it. Takes you through the complete process of working an metal wing, a fiberglass wheel pant, and detailed custom design on a horizontal stabilizer. Run Time: 120 min by Sam James P/N 13-06567.....

## METALWORKING 101 INSTRUCTIONAL DVD



Metalworking 101 with rudder workshop is targeted to the beginning student of pop-riveted metal kit plane construction. The ideal audience for this video is the person who is contemplating the undertaking of a metal kit plane project (for example: Zenith, Sonex, Hummel) and wants to witness the actual skills and procedures necessary for successfully achieving this end. This very affordable DVD will take you thru the actual construction of a Zenith rudder, from start to finish. While it can be used to supplement the construction guide supplied by the manufacturer with this rudder (a CH701 or CH601), it is actually intended to demonstrate to the beginning builder just what tasks and skills are required for any similar brand of metal kit plane construction. In addition to the rudder building demonstration, general metal building procedures are explained and demon strated. P/N 13-03369.....

## WEIGHT & BALANCE 101 FOR HOMEBUILT



Completing a homebuilt requires you to calculate and document the weight & balance figures for your plane and present them to the inspector...and for many homebuilders this task is confusing and complicated -- however, this video makes this task simple and easy to understand. The video makes it easy for you to understand the concepts required to perform your own weight and balance analysis on your aircraft and then document the findings for the inspection process. P/N 13-04184.....

## CANARD AIRCRAFT DVD



The DVD has 3 hours of video on canard aircraft only, truly a one of a kind DVD. It covers the Cozy MkIV, LongEZ, Berkut, ERacer, StaggerEZ, Bateleur, Defiant, LongEZ Jet and a custom LongEZ. Want to know what it's like to build a Cozy aircraft? Or see what it looks like to do a high speed fly-by from the cockpit? Then you'll want to see this DVD. You'll hear not only why they choose their particular aircraft, but what kept them going through the building process as well. You'll get lot's of encouragement from every builder for you to continue on your journey to complete your canard aircraft. If you enjoy watching canard aircraft fly, then you'll be thrilled with the 60 minutes of air to air shots, high speed fly-bys, take offs and landings. With all the natural sounds as they fly right over head at more than 200 miles per hour! P/N 13-04260.....

## SKYWARD TECH AIRCRAFT ENGINE REBUILDING



De-mystify the overhaul procedures on selected Continental & Lycoming engines. Tapes begin with a dismantled engine, show the crankshaft being mounted on a stand and then proceed through complete assembly. Whether you are looking for an education on engine components or considering an actual overhaul these tapes effectively present the step-by-step procedures of re-assembly.

Description	VHS P/N	Price	DVD P/N	Price
Cont. 0-200 Rebuild	13-50710	.	13-03208	.
Lyc. 0-320 Rebuild	13-50715	.	13-04465	.
Lyc. 0-360 Rebuild	13-50720	.	13-03210	.
Lyc. 10-360 Rebuild	13-50725	.	13-03209	.



## SCRATCH BUILDING BASICS FOR METAL AIRCRAFT

An excellent way to determine if building a homebuilt aircraft from scratch is right for you... you will obtain a full understanding of the trials, tribulations, joys and successes that this type of building process entails. You can't watch these guys at work and not learn something that might change the way you think about the process and people that build their own planes from scratch! Approximately 3.5 hours in length and is divided into 10 video chapters to make navigation and review of desired sections fast and easy. The DVD set includes web links to plans for building your own sheet metal brake and other tools used in this video (you can print the plans on your own printer). P/N 13-04185.....

## FIBERGLASS REPAIRS MADE EASY DVD



**FIBERGLASS REPAIR DVD SET** - Includes: Fiberglass Repair & Gelcoat Damage & How to Repair Gelcoat. Learn all the procedures to repair gelcoat including mix matching colors, fill scratches and voids, spray gelcoat, applying new fiberglass laminate and final finishing. P/N 13-06563.....

**DVD FIBERGLASS REPAIR & GELCOAT DAMAGE** - Learn how to make fiberglass repairs as you look over the shoulder of a professional. Covers grinding out damaged material, applying new fiberglass laminate, shaping to original lines and finishing. 54 mins. P/N 13-06564.....

**DVD FIBERGLASS REPAIR: HOW TO REPAIR GELCOAT** - Learn how to make fiberglass repairs as you look over the shoulder of a professional. Learn to mix matching colors, fill scratches and voids, spray gelcoat and final finishing. 43 mins. P/N 13-06565.....



## COMPLETE COMPOSITE & FIBERGLASS LIBRARY ON DVD

All five of our How-To videos on a convenient 2 DVD set. A total of 190 minutes of the most complete guide for using composite materials available anywhere! The Complete Fiberglass and Composite Library contains The Basics of Fiberglass, A Step-By-Step Guide to Molding Fiberglass, Advanced Moldmaking and Plug Construction, Vacuum Bagging and Sandwich Core Construction and The Art of Moldless Composites. P/N 13-06551.....



## DEEP INSIDE YOUR ROTAX INSTRUCTIONAL DVD

You can now see and understand what procedures are involved with the 150 and 300 hour inspection/rebuild services. Alan points out the places carbon accumulates, where the common areas of wear occur, and other signs indicating the possibility of potential failures. The specialized Rotax engine tools are demonstrated as to their function in removing various internal components. Installation and maintenance tricks are also demonstrated and explained for the purpose of heading off future engine failures that can lead to disaster. And More. P/N 13-03370.....

## ROTAX 912 INSTALLATION TIPS & TECHNIQUES



This presentation explains the most important details of preparing and installing the popular Rotax 912 family of four stroke engines in your experimental homebuilt aircraft. This reliable, high performance engine will only perform safely if installed properly as specified by the Rotax installation guide. The important details in this guide are often misunderstood or even ignored completely resulting in catastrophic engine failures and dangerous flying situations. DVD Running time: 1.5 hours P/N 13-04183.....

## BUILDING A GLASS PANEL FOR HOMEBUILT AIRCRAFT



Mark Townsend of CanZac Aviation takes you step-by-step from the planning stages through the actual fabrication procedures and wiring for a combination glass/conventional instrument panel for an experimental aircraft. 80-minute DVD. P/N 13-04969.....

## RV RUDDER WORKSHOP



This instructional video has 2 major sections: The first section contains an overview and demonstration of the tools and techniques that are required for building an RV aircraft. These specialized building techniques center around riveting with solid rivets - essential for the RV aircraft. Many specialized tools are required for this type of construction and are discussed and demonstrated. Techniques that are shown include: dimpling, countersinking, deburring, drilling, back riveting and pop riveting. A full discussion of the types of rivets that are used along with their important characteristics is included in this first section of the video. The tools for measuring proper rivet setting (rivet gauges) are shown and demonstrated. Some of the tools that are featured include: hand squeezer, pneumatic rivet gun, flush and universal rivet sets, dimple dies, back rivet sets, scotch-brite polishing wheel and deburring tools. P/N 13-04791.....