AVIATION VIDEOS & DVDS

INSTRUCTIONAL VIDEO TAPES

BUILDING THE RUTAN COMPOSITES – This step-by-step instructional program features Burt Rutan and Mike Melvill proceeding through the complete foam-epoxy-fiberglass composite construction procedure as used on the Vari-Eze, Long-EZ, Quickie, QZ, Dragonfly, Sea Hawk, Polliwagen and other composite aircraft. Also includes a formation flight by the Long-EZ, Defiant and VariViggen. A must for all composite aircraft builders. 1 hr, 36 mins.

FIBERGLAS 101 – This tape shows aircraft builders how to make molds, fairings, and parts from fiberglass. It takes you step by step through the phases of glass work so that you can build parts yourself. Produced by fiberglass expert Sam James. 2 hrs. Note: The quality of this DVD may not be standard for DVDs due to format conversion technique used.

BASIC AIRCRAFT SHEET METAL TECHNIQUES & TOOLS – George Orndorff, a noted aircraft builder, demonstrates 13 sheet metal techniques and offers many helpful hints to save time and money and make your homebuilding project a success. DVD 1, HOW IT’S MADE – Details the engine installation and the airplane’s structural design, and completely demonstrates the easy moldless, hot-wired, foam and fiberglass construction process used on the fuselage, wing and tail services. Almost 2 hours.

FIBERGLASS REPAIRS MADE EASY DVD SET – Learn how to make fiberglass repairs as you look over the shoulder of a professional fiberglass repairman. 5 DVDs. $199.50

FIBERGLASS REPAIRS MADE EASY DVD SET – Learn how to make fiberglass repairs as you look over the shoulder of a professional fiberglass repairman. 5 DVDs. $199.50

STEWART SYSTEMS 6 DVD SET

FABRIC COVERING, METAL AND OTHER SUBSTRATE PREP, MIXING PAINT AND PAINTING - 6 Disc Stewart Systems Combination Package Covering & Painting Videos. Most everything you need to know about our covering system, including complete information using the Stewart Systems Coating System. It includes product application, painting instructions, STC and more. Well over 2 hours of video.

“TIN MAN” METAL WORKING VIDEOS

These videos provide excellent instruction for the aircraft builder. Ken White, The Tin Man, is a master craftsman and instructor for the Experimental Aircraft Associations metal working workshops at Oshkosh.

BASIC DAMAGE REPAIR ON ALUMINUM – Take an axe and drive it through the nose of an RSK Porsche, now we’re ready to begin by bumping, smoothing, gas welding, planishing, and metal finishing. All work completed on camera. Complete and very detailed. Color, 63 min.

EDGE THOSE PANELS – Learn to make flanges, hems wired edges, and flares. With just a hammer, dolly, and some simple tools you can make, you’ll be able to easily edge lots of panels. Wing rib construction is also shown. Then a rotary machine (head roller) is used to make really nice hanging edges. Color, 78 min.

AN AMERICAN’S VIEW OF THE ENGLISH WHEEL – Shrink on the wheel? You bet! Analyze frame design, tracing patterns, layering, pressure, measurement, rapid crown development, nearly flat panels, and much more. Last segment shows air hammer shaping and shrinking on the Pullmax. Color, 126 minutes.

SHRINKING MAGIC – The art of shrinking (crowning and compression) is demonstrated using both the Lancaster machine and the torch and hammer method. Hot work demonstrations include steel, aluminum, copper, stainless, titanium, and magnesium. An excellent segment on form block work is shown as well. Color, 84 minutes.

HOW TO GAS WELD ALUMINUM – Learn the professional methods of setting the torch, regulator pressures, and secrets of the flux. Filmed with two cameras through the finest eyewear available to show tacking, distortion control, flat and vertical welds. Many 30-year veteran welders have benefitted from this video. Color, 105 minutes.

41-30 CHROMOLY AIRFRAME CONSTRUCTION – This video is highly recommended for anyone considering a steel tube fuselage aircraft. It covers the whole process: Work flow, welding rod selection, joggling, fitting, and welding. (Note: The discussions and advice are almost exclusively about oxyacetylene welding. TIG, GTA, is mentioned only in passing.)

BASIC AIRCRAFT WOODWORKING – Woodworking knowledge is essential to any homebuilding project. Power tool safety is also discussed. A great starter tape (30 min.).

WEST SYSTEM EPOXY GELCOAT BLISTER REPAIRS – Dry rot repair & replacement, Fuel tank removal, Inspection & installation, Fiberglass procedures for strength, rigidity & surfacing. P/N 13-12703 $18.75

WEST SYSTEM EPOXY BASIC APPLICATION TECHNIQUES – Covers repairing and preventing gelcoat blisters by an analysis of the factors contributing to blister formation. P/N 13-12704 $23.75

WEST SYSTEM EPOXY FIBERGLASS REPAIRS – Step-by-step program takes you through all the procedures you need to know to make professional, long-lasting fiberglass repairs with epoxy. P/N 13-12702 $23.75

WEST SYSTEM EPOXY REPAIRS DVD SET – Includes: DVD Fiberglass Repair with West System Epoxy, DVD Gelcoat Blister Repair with West System Epoxy, and DVD Basic Application Techniques West Epoxy. P/N 13-12705 $52.95

COSMETIC GELCOAT / FIBERGLASS REPAIR BASIC DAMAGE AND FINISHING DVD – This program takes you step-by-step through every type of cosmetic repair. You’ll learn the proper techniques, materials, tools and tricks of the trade from one of the best fiberglass repairman in the country.

FIBERGLASS REPAIRS MADE EASY DVD SET – Learn how to make fiberglass repairs as you look over the shoulder of a professional fiberglass repairman. P/N 13-12701 $32.75

FIBERGLASS REPAIRS MADE EASY VOL I FIBERGLASS REPAIR AND 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 13-12697 $29.95

COSMETIC GELCOAT / FIBERGLASS REPAIR COLOR MATCHING AND FINISHING – This program takes you step-by-step through every type of cosmetic repair. You’ll learn the proper techniques, materials, tools and tricks of the trade from one of the best fiberglass repairman in the country. P/N 13-12698 $26.75

COSMETIC GELCOAT / FIBERGLASS REPAIR STRESS-REPAIRS / AIR VOIDS AND FRACTURES – This program takes you step-by-step through every type of cosmetic repair. You’ll learn the proper techniques, materials, tools and tricks of the trade from one of the best fiberglass repairman in the country. P/N 13-12699 $26.75

MATERIALS & TOOLS – Everything you need to know about covering, application, and ensuring that your covering and finish is at its best.