

# AIRCRAFT KITS

## VAN'S AIRCRAFT (RV)

Van's Aircraft, Inc. has been a leading supplier of aircraft kits since 1973. Since their first offering RV Aircraft have become known their wide performance envelope and sporty handling qualities. While the RVs are excellent cross-country airplanes, they are not simply "go-fast" machines. They are also aerobatic (except RV-9A) and have outstanding low speed characteristics and short-field capabilities; a rare combination. First and foremost, though, they are fun to fly. Their controls are light, responsive, and beautifully harmonized.

RVs are aluminum monocoque structures. The aluminum skins are supported by an internal structure of ribs, spars & bulkheads, just like production light aircraft. Conventional "AN" aircraft rivets are used to fabricate the aluminum structure. The cowl, wing tips, wheel fairings and similar non-structural fairing parts are made of fiberglass.

The latest design, the RV-9/9A, is designed to be an easy-to-fly, economical, versatile sportplane. It was designed for day-to-day flying, local trips and short cross-countries, with only occasional long flights. The performance it provides is useable every day. It's so easy to fly that low time pilots can make a quick and painless transition. Its short field performance permits it to easily use all the "fun" airports around. When it's time for that long cross-country, the RV-9/9A gets you there & back almost as quickly as many of the "go-fast" designs.

Van's is now making steady progress with a four-place airplane they've designated the RV-10. They hope to fly in the spring of 2003, and the best estimate for the aircraft to hit the market is late 2003.

### RV-9A

Empty Weight ..... 1,028-1,075 lbs.  
Top Speed ..... 170-194 mph at gross  
Gross Weight ..... 1600-1750 lbs.  
Stall Speed ..... 44 mph at gross  
Engine ..... 118-160hp  
Take Off Distance ..... 350-250 ft.



Aircraft Spruce is prime supplier of components used in RV aircraft and sold by Van's Aircraft.

For more info on the entire line of RV aircraft contact:

#### VAN'S AIRCRAFT INC.

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## WITTMAN BUTTERCUP



We all want to fly fast and land slow. Sylvester "Steve" Wittman solved the problem. Wittman built two types of airplanes: Racing machines and Travel machines. The ancestors of these two blood lines were Chief Oshkosh and Buttercup. The Buttercup was built as a utility hauler, and there was only one made - in 1937. He flew it all over the western hemisphere, from Alaska to Bermuda, Florida to Oregon. The Buttercup almost made it into production (cancelled due to WWII) coming to the interest of Fairchild as a four-place project, called the 'Big X'. One plane was built for them by "Witt" - a 4-place, 6 cylinder, 130 HP Franklin powered prototype.

The real genius of the Buttercup design is Wittman's claim of 38 - 40 mph (indicated) slow-flight speed and a near 150 mph top speed, and all on 85 hp! The high speed is vintage Wittman, the low speed is due to an ingenious flap-coupled, retracting lead edge design (seen in today's airliners). Earl Luce of LuceAir, Inc. has 'revived' the Buttercup, featured in the April, 2003 issue of Sport Aviation. Kits and fabricated assemblies for the Buttercup are available from Aircraft Spruce. For info and plans contact: **LuceAir • 35 Beverly Dr. • Brockport, NY 14420**

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Buttercup Retractable Lead Edge Kit .....	P/N 01-00474 .....
Buttercup Fuselage Sides Kit .....	P/N 01-00475 .....
Buttercup Fuselage Completion Kit .....	P/N 01-00476 .....
Eppenburg Vert-Hort Stabilizer Kit .....	P/N 01-00477 .....
Buttercup Wing Wood Kit .....	P/N 01-00478 .....
Buttercup Wing Metal Kit .....	P/N 01-00479 .....
Buttercup Flaps & Ailerons Kit .....	P/N 01-00480 .....
Buttercup Lift Strut Kit .....	P/N 01-01055 .....
Buttercup Engine Mount-Land Gear .....	P/N 01-00482 .....
Buttercup Controls & Finishing .....	P/N 01-00483 .....
Buttercup Covering Kit .....	P/N 01-00571 .....

## LANCAIR AIRCRAFT



Founded in 1984 by Lance Neibauer, Lancair has become one of the most successful kit manufacturers in the world. The company manufactures a number of kit aircraft including the Lancair ES and Super ES, and the world's fastest piston-driven aircraft, the Lancair IV and IV-P. Lancair aircraft hold several world speed records as well as championships in most major cross-country air races.

In July of 1999 The Legacy 2000 was introduced as the successor to the Lancair 320/360. The Legacy provides additional passenger and luggage space as well as increased performance over the previous Lancair 360. Using a 310 hp Continental IO-550-N, the Legacy achieves cruise speeds in excess of 276 mph at 8000 ft.

In Sept of 2001 Lancair International flew their turbine engine powered Lancair IV-P. Lancair has now introduced their newest version of turbine power: The Lancair Sentry. This Walter powered Lancair IV is a military-style tandem seat aircraft with left-side throttle controls, and a rear hinge canopy.

"The airplane performs very similar to the existing Propjet model, achieving a cruise speed of almost 400 mph!" Not only does this new Lancair kit yield blood-boiling speeds similar to the IV-P Propjet model, it also offers increased yaw stability and excellent visibility out of a newly designed rear hinge canopy.

For further information on all Lancair aircraft contact:

**LANCAIR INTERNATIONAL**  
2244 Airport Way, Redmond, OR 97756  
Phone: (541) 923-2244.  
www.lancair.com

## ZENITH



The ZODIAC XL is the newest model in the popular all-metal ZODIAC kit aircraft series from aeronautical engineer Chris Heintz, offering more performance and many new standard features. The all-metal, two-seat design features a new wing and canopy design, as well as many additional new features. The new XL prototype model is powered by the six cylinder Jabiru 3300, a new and affordable 110-hp engine from Australia. Lycoming O-235 (116-hp) and Rotax 912S (100-hp) engines have also been installed and flown in the prototype.

The ZODIAC XL is the perfect project for the first-time builder and the demanding sport pilot, bridging the gap between performance flying and affordable costs: Simple and quick to build — easy and fun to fly.

The new ZODIAC XL has been developed with the FAA's proposed Sport Pilot / Light-Sport Aircraft category in mind, and offers maximum performance and capability possible under the new proposed FAA category.

For detailed info on all Zenair™ kit aircraft designs contact:

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