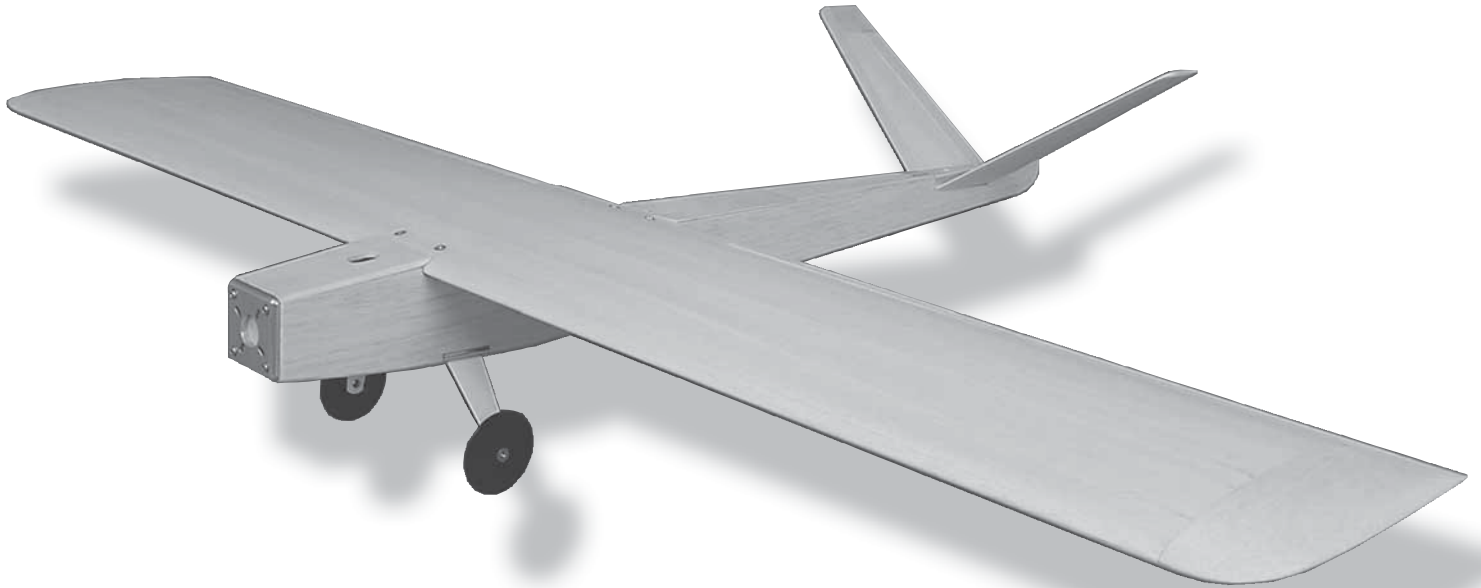


VIPERTM500 RTC



INSTRUCTION MANUAL SUPPLEMENT

BEFORE YOU PROCEED WITH THE INSTRUCTION MANUAL

This Ready-to-Cover (RTC) version of the Great Planes Viper 500 is supplied to you without the pre-applied fiberglass of the ARF version. Fiberglassing the fuse and wing is necessary for safety so it must be done, but in this RTC version we allow you the choice of how and where you want to glass. You can also, of course, glass and paint the whole airplane, but this is not necessary.

Fiberglassing takes a certain amount of skill, so if you've never done it before we recommend that you seek the help of an experienced modeler. When you're done glassing and covering, please proceed with the included ARF instruction manual.

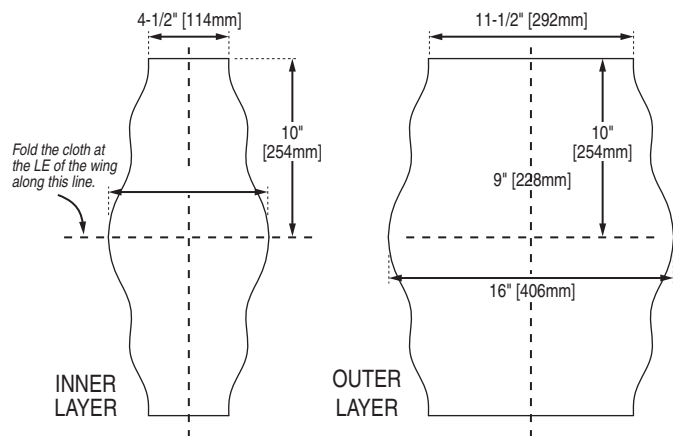
Please note that when cutting dry fiberglass cloth, the best tool to use is a rotary cutter with a cutting mat. These can be found at most fabric supply and art/craft stores.

ITEMS REQUIRED FOR COMPLETION

3/4oz [21g] Fiberglass Cloth (HCAR5000)
8oz [236cc] Coverite™ Balsarite™, film (COVR2515)
4oz [118cc] Top Flite® Trim Solvent (TOPR6020)
9oz [255cc] Great Planes® Finishing Resin (GPMR6049)
Epoxy brushes (GPMR8060)
Mixing sticks (GPMR8055)
Mixing cups (GPMR8056)
Vaseline® petroleum jelly
Great Planes Easy-Touch™ hand sander 5.5" (GPMR6169)
220-grit Easy-Touch Sand Paper (GPMR6185)
400-grit sand paper

Tack cloth
Masking tape (TOPR8018)
Piece of 1/16" [1.6mm] scrap balsa sheet or an old credit card for use as a squeegee
Plan Protector (GPMR6167) or waxed paper
Acetone (for clean-up)
Sharp scissors
Olfa® Rotary Cutter
Self-Healing Cutting Mat (HCAR0454)
HobbyLite™ White-Colored Balsa Filler (HCAR3400)

Fiberglass the Wing Center Section



1. Cut out the following pieces for the wing from 3/4oz [21g] fiberglass cloth:

- A. One 9" x 20" [229 x 508mm] piece (center wing, inner layer)
- B. One 16" x 20" [406 x 508mm] piece (center wing, outer layer)

2. Study the sketch below. Notice that the smaller piece of glass cloth (inner layer) is applied first. Lightly sand the center section of the wing and dust it off. Apply masking tape where shown. Mix up enough finishing resin to wet out the inner layer shown in the sketch. If you are confident with the working time of the resin, you may mix up enough to laminate both the inner and outer layers simultaneously. If not, apply only the inner layer now. Center the cloth on the wing along the leading edge of the wing and fold it over so that it covers the top and bottom surfaces of the wing. Stipple and squeegee out the excess resin and allow the resin to cure. Trim the excess fiberglass from the trailing edge of the wing and sand the surface and edges of the glass smooth. If you applied the inner layer only, go ahead and apply the outer layer now.

3. Trim the wing bolt holes open. Sand the surface smooth feathering the edges of the glass into the balsa sheeting. Use HobbyLite™ balsa filler (HCAR3400) to fill in any imperfections. Finish-sand the model using 400-grit sandpaper.

4. Apply one or two coats of Coverite Balsarite (COVR2515) per the manufacturer's instructions.

5. Apply your choice of film covering to each part per the manufacturer's instructions.

