

# **KIS4 Cruiser**

## **BUILDERS MANUAL**

**S/N 4052**

# **INTRODUCTION**

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Congratulations upon your selection of KIS as a construction project for your own personal Kit Plane. If you have constructed other composite aircraft in the past, you will be pleasantly surprised at the simplicity and ease with which this project will progress. If this is your first construction project please pay particular attention to all phases of the instructions, and you will also be guided in the satisfying completion of this excellent aircraft. The underlying theme in this entire design approach is for simplicity in both construction and operation of the completed aircraft. This manual provides detailed step-by-step instructions for the KIS aircraft assembly kit. However in the basic instructions in each section do assume a certain degree of familiarity and experience with composite construction materials. The introductory chapters will define many of the terms, and provide detailed assistance in many of the repeated operations, but if you do not have any previous experience, reference to other texts, and possibly some small trial projects with composite construction, is recommended, and working with some practice materials is strongly suggested.

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**IF DURING CONSTRUCTION YOU HAVE ANY QUESTIONS OR DOUBT ABOUT A CONSTRUCTION PROCEDURE, DO NOT CONTINUE UNTIL YOU HAVE OBTAINED THE REQUIRED INFORMATION OR SKILL TO COMPLETE THAT PROCEDURE PROPERLY. IF YOU ARE NOT KNOWLEDGEABLE ABOUT FIBERGLAS CONSTRUCTION TECHNIQUES, PLEASE REVIEW SOME OF THE REFERENCED SOURCES TO OBTAIN THAT KNOWLEDGE BEFORE STARTING CONSTRUCTION. IT WOULD ALSO BE VERY USEFUL TO ENLIST THE AID OF SOMEONE WITH PRIOR EXPERIENCE TO ASSIST YOU AND PROVIDE TRAINING IN THESE PROCEDURES. CHANGES TO THE AIRCRAFT DESIGN OR SPECIFIED CONSTRUCTION PROCEDURES MUST NOT BE MADE WITHOUT PRIOR APPROVAL OF TRI-R TECHNOLOGIES STAFF. UNAUTHORIZED CHANGES MAY CREATE A DANGEROUS CONDITION IMPACTING AIRCRAFT SAFETY AND/OR STRUCTURAL INTEGRITY. FAILURE TO COMPLY WITH THESE WARNINGS AND/OR OTHER INSTRUCTIONS AND CAUTIONS CONTAINED IN THIS MANUAL MAY RESULT IN AN UNSAFE AIRCRAFT WITH INCREASED POTENTIAL FOR INJURY OR POSSIBLE FATALITIES.**

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