



Preface>

Issue Revision Table

Issue	Date:	Change(s):	Issued by:
0			
1			
2			
3	5/07/2021	Adopt "Section Only" Manual System, Add Issue Revision Table and model applicability. Amend Introduction.	AS

Model Applicability

Aircraft Model	J-160	J-170	J-230	J-430
Document Applicability	Yes	Yes	Yes	Yes

This document is controlled while it remains on the Jabiru server. Once this no longer applies it becomes uncontrolled.

Issue:	0	1	2	3						Issued by: AS	Page: 1 of 4 15 October 2021
--------	---	---	---	---	--	--	--	--	--	---------------	------------------------------



Preface > Introduction

Welcome to the Jabiru family, and a family it is.

Jabiru is a small aircraft and aero-engine manufacturer located in Bundaberg, Queensland, Australia. The city has a population of 60,000 and until recently its most renowned export has been the famous (or infamous) Bundaberg Rum. The Jabiru factory is located on the airport at the Western edge of town where a staff of craftsmen turn out these fine aircraft and engines.

We are not just another kit manufacturer; we also build Factory certified sports aircraft, engines and propellers and have a rigorous quality assurance program.

All of our products are original and have been designed, prototyped and produced in house, so we can support you like no other kit manufacturer can.

Our distributors are fully supported by us and are a ready source of spares and advice.

You need not have a degree in electrical engineering, an intimate knowledge of hydraulics or a garage full of tools to complete this aircraft. There are no complex or complicated systems on this aircraft. The gear stays down, the prop pitch stays fixed and a simple switch operates the flaps. The brakes are hydraulic and the simplicity will delight you.

Your Jabiru kit is designed to be simple to complete and finish, and will provide you with many years of enjoyable flying. Once completed you will find the aircraft extremely economical with operating costs more associated with a car than an aeroplane, and the ease of maintenance will increase your flying time.

If you're ever in our area call in for a coffee, we'll show you what we're up to and how we make our aircraft and engines.



Rodney Stiff – Managing Director

Safe Aviating and Happy Landings.

This document is controlled while it remains on the Jabiru server. Once this no longer applies it becomes uncontrolled.									
Issue:	0	1	2	3				Issued by: AS	Page: 2 of 4 15 October 2021



Preface > Construction manual

Welcome to the Construction Manual!

In this Manual you will find all the instructions that you will need to build your very own Jabiru, one step or task at a time. Each task in this Manual stands alone, with the intention that each task will be completed before you move on to the next task. There are many good reasons for this approach: you can easily keep track of where you are in the build; it forms a checklist to ensure that nothing gets overlooked; and in many cases a task will be dependent on the completion of a previous task and if the sequence shown in the *Table of Contents* is followed there will be no issues of this kind.

The construction manual for Jabiru aircraft is no longer provided as a single complete document but rather as a series of smaller documents. Each document describes a single 'task' from beginning to end.

To orientate yourself as to the order of the build construction, the first document to familiarise yourself with is the "**Table of Contents**". Each aircraft model will have its own "Table of Contents" document which in turn presents the **build sequence** in the order it should be completed and states the name of the relevant document which must be referenced for each stage of construction.

We suggest that you first print the "Table of Contents" out and keep it on the wall in your workshop. As each task is encountered you should reference the "Table of Contents" find the name of the relevant document for the next step of construction and print it off in turn. Making sure you have the correct document identified by name.

At the beginning of each task document is an Issue Revision Table which shows the history of any revisions made to that document. All of the latest changes are easily identified using 'red text'.

Following this is a Model Applicability statement. Which states simply to which aircraft models the task document is relevant. This is a useful check that you are referring to the correct instructional document for a particular task for your aircraft kit model, since many tasks may be named similarly but will have distinctly different details depending on the aircraft model. Note that many task documents are applicable to several aircraft models or all of them.

Note that as of July 2021 only the currently produced kit aircraft models are supported in current and future issues of construction manual documentations thus the Model Applicability is limited to these current J-series aircraft models.

All construction manual sections are available to download from the Jabiru Aircraft website.

The manual has been arranged into 2 major **Sections** plus *General* and *Painting* sections:

- *Pre-Paint*
- *Post-Paint*

This document is controlled while it remains on the Jabiru server. Once this no longer applies it becomes uncontrolled.

Issue:	0	1	2	3							Issued by: AS	Page: 3 of 4 15 October 2021
--------	---	---	---	---	--	--	--	--	--	--	---------------	------------------------------



Jabiru Construction Manual

Preface > Construction manual

Which have been further **Grouped** by:

- *Fuselage*
- *Wings*

Each **Group** is then broken down into a series of **Tasks** and **Steps** as required.

In the main the only sets of tasks that can be done without relation to each other are those under the **Group** headings: *Fuselage* and *Wings*. Tasks in one group may be worked on independently of tasks in the other group, but the individual sequences under each group really need to remain intact.

This Manual details the procedures that we have refined over many years of certified factory builds, all combined with the experience of many kit builders to produce a **series of** documents that combines the best of both worlds: efficient, proven factory techniques throughout, but arranged into a build sequence that meets the needs of kit builders.

For example: the first objective for most kit builders is to get the fuselage up onto its wheels and mobile as quickly as possible so that the fuselage can be moved around the workshop/out of the way of the wife's car/outside for cleaning/etc. By way of contrast, in the factory the fuselage remains in a floor-mounted jig for the majority of the *Pre-Paint* tasks, which is not usually practical for kit builders.

Each task contains photographs of the work in progress in our factory, often in a step-by-step manner in the case of the more complex tasks. While the Manual is formatted in A4 size you may wish to print some pages in A3 size (if you have a suitable printer) for a clearer view should that be required. Each task starts on a new page so you can print out single tasks.

As you work through this manual, and we suggest that you read it right through from start to finish before you start your build, if something is not completely clear please call your dealer or e-mail us for clarification: it may be that we can better explain something for the benefit of future kit builders at the same time as helping you.

This document is controlled while it remains on the Jabiru server. Once this no longer applies it becomes uncontrolled.

Issue:	0	1	2	3							Issued by: AS	Page: 4 of 4 15 October 2021
--------	---	---	---	---	--	--	--	--	--	--	---------------	------------------------------