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FW: 149 Stinson Reliant SR-7 - Futaba 7C TX Settings

1 message

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From: Tandy Walker [mailto:aerotan1503@outlook.com]
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Stinson Reliant SR-7
March 11, 2016

A standard form was developed for recording the Futaba 7C transmitter settings associated with each of the ten (10) models stored in memory. The entries in the form below are for the Stinson Reliant SR-7 model.

Futaba Transmitter 7C Settings

Model No. (STN-10) 3/11/16

Setting	Aileron (Rudder)	Elevator	Throttle
	1	2	3
Reverse	REV	REV	REV
E. Point	R 76%	U 60%	Off 100%
	L 68%	D 60%	On 100%
(D) D/R	SWB100%	SWA 100%	N/A
(D) Exp.	SWB -76%	SWA -76%	0%
(U) D/R	SWB 55%	SWA 65%	N/A
(U) Exp.	SWB -76%	SWA -76%	0%
Sub Trim	-38	(+) 17	0
F/S	N/A	N/A	Nor
PMix3 T-Down Elevator		PMix2 T-Right Rudder	
M3>S2	RT+25%	M3>S1	RT-25%
SWE	RT 0%	SWE	RT 0%
SWD > Fit Timer Count Up to 45 Min			

Notice near the bottom of the form that the "E" switch (SWE) is selected to turn on the PMix3 function, which puts in down elevator with throttle advance up to 25% down deflection at full throttle. This helps compensate for the model's pitch up tendency due to lack of down thrust under power.

In addition, the "E" switch (SWE) also simultaneously turns on the PMix2 function, which puts in right rudder with throttle advance up to (-)25% right rudder deflection at full throttle. This helps compensate for the model's left turn tendency due to prop torque under power.

The value of these two mixes are arbitrary until they are evaluated in flight test. The safe procedure will be to keep the mixes turned off during the first few flights until the model is fully trimmed out for gliding flight. Then flights will be made while gliding at altitude. With the mixes are turned on, full power is added. Depending on the model's behavior, the % value of each mix will be adjusted until the desired compensation is achieved.....Tandy