1. Desktop Setup (Servos not mounted on model)				
Wing Type: Elevon, Tail Type: Normal				
Servo Pair	Rx Port	Channel Assignment	Servo Location	Reversed Travel
1	AILE	Left Ail	2	No
	ELEV	Right Ail	3	Yes
2	GEAR	Left Ail	1	No
	AUX1	Right Ail	4	Yes
Servo Orientation				
Servo	1	2	3	4

Servo Orientation viewed from rear of model

2. Desktop Setup (Servos not mounted on model)				
Wing Type: Elevon-B, Tail Type: Normal				
Servo Pair	Rx Port	Channel Assignment	Servo Location	Reversed Travel
1	AILE	Right Ail	3	Yes
	ELEV	Left Ail	2	Yes
2	GEAR	Right Ail	4	No
	AUX1	Left Ail	1	No
Servo Orientation				
Servo	1	2	3	4

Servo Orientation viewed from rear of model

3. Servos Mounted on Model				
Wing Type: Elevon, Tail Type: Normal				
Servo Pair	Rx Port	Channel Assignment	Servo Location	Reversed Travel
1	AILE	Left Ail	2	No
	ELEV	Right Ail	3	No
2	GEAR	Left Ail	1	Yes
	AUX1	Right Ail	4	Yes
Servo Orientation				
Servo	1	2	3	4

Servo Orientation viewed from rear of model shown below

4-Servo Elevon Setup Process - Steve (1-17-2015) **Revised 8-8-16**

Setting up 4-servos for 4 independent control surfaces on a Capricorn or "W" using a Spektrum DX 9 and 6-channel or higher Rx (other Tx and Rx may vary), has one critical step and several process simplifications to consider.

Setting up servos on a desktop before mounting on the model will allow mounting servos in desired orientations (flat, vertical, etc.) with control rods and control surface horns properly aligned. The 3 examples shown are for Elevon and Elevon-B set up on a desktop, and for models that have servos mounted before programming the Tx.

1. Start by seting up your servo test sytem with a battery, ESC, receiver, and two servos. You will need a bind plug and your Tx. You can use different servos if you check to make sure they rotate in the same direction if plugged into the same Rx servo port. Servos are mounted in left and right pairs. Placing pairs in inner and outer positions will help keep servo pairs identified (servo positions 1,2,3, and 4). Servo pairs are set up independently and the **SECOND PAIR MUST NOT BE PLUGGED INTO THE Rx WHEN SETTING UP THE FIRST PAIR**. In example 1. servo pair 1 are in servo location 2 and 3; the inner pair).

2. As you will see later, it's not necessary, but following the suggested setup in the manual for 2-servo setup (AILE:Left Ail and ELEV:Right Ail) will help simplify the process and make setup easier. After you have the first pair elevator and aileron control working correctly, the second pair is added **AFTER** assigning the second pair ports in System Setup - Rx Channel Setup.

3. To get started with Tx System Setup, create a new Model Type: Airplane, Model Name: {*airplane name*}, Aircraft Type: Wing: Elevon and Tail:Normal. Next insert your Rx bind plug and go to System Setup > Bind. After binding, don't forget to remove the bind plug.

4. Now, check elevator control surface movement. If both servos don't rotate in the same desired direction, you have two choices. Either flip one servo over or reverse the direction in Function List > Servo Setup > Reverse. If you are doing this on the desktop before mounting servos, I recommend flipping the servo over (for flat mounted servos) or noting which side to mount the servo arm (vertical servo orientation). NOTE: Servo orientation is important when you mount the servos, or if you change your mind due to servo mounting issues, you will have to go thru the setup process again**. If the first pair is working OK, it may help to draw a sketch or make a note of each servo orientation.**

5. Next go into Tx System Setup > Channel Assign > Rx Port Assignments. In Rx Port Assignments, choose the second servo pair ports. In my case the next two open ports were GEAR and AUX1. **Use the same left /right Ail sequence** for the second pair ports.

6. Again, for the second pair, check elevator movement. If all four servos don't rotate in the same direction, flip over a second pair servo or reverse it's direction in Function List > Servo Setup > Reverse.

7. Once all four servos are working to give the desired elevator rotation, check aileron movement. If aileron control surfaces do not work correctly, you cannot reverse a servo, as this will now make elevator controls fail to operate in the correct direction. Now you have to switch to **ELEVON-B and go thru the entire setup again.** NOTE: Selecting ELEVON-B will reset your Channel Assignments.

8. Setting up a system with servos already mounted requires that you go thru the same setup process as on the desktop, **EXCEPT, if you can't get the first servo pair working correctly, set up AIL:Left and ELEV:Right**.

9. If you have trouble, go thru the process again making sure not to skip any steps. Unplug all servos and remove second pair Ail assingments in Channel Assignments. NOTE: When you set up the second pair, if you need to change AUX1, it may appear in Rx Port Assignments as AUX1:Flap. This is normal and not a problem; just select the correct Left or Right Ail option.