

SD-10G AERO

Procedure for Thrust Vectoring in an Electric powered Ducted Fan model. Dual Elevator's are on Channels #1(LE) and #8(RE); Dual Aileron Channels are on #2(LA) and #6(RA); Channel #3 (TH); Channel #4(RU); Channel #5(GE); Channel #7(FL) is Rudder Thrust Vane; Channel #9(Aux 2) and #10(Aux 1) are Elevator Thrust vanes.

Turn the **Display** switch **ON**.

Select **SYSTEM**: Press ENTER: Scroll down to **TYPE(5)** and press ENTER. Use Yes/+ and NO/- keys to make it read:
AERO, WING NORMAL, AILERON > 2, FLAP > 1, TAIL > 2>EL, THROTTLE >1. Press **ENTER** and **YES** to Create New Data. Press **END**.
Scroll to **Channel ASSIGN** and press ENTER. Write down all of the channel assignments. Note that Channel 7, 9 and 10 will become the Thrust Vector channels. Channel 7 will be for the Rudder, and AUX 2 and 1 for Elevators. Press **END KEY**.

Scroll down to **SWitch ASSIGNment** and press ENTER. Assign your Dual Rate switches as desired. Scroll down to F-Mode. Use YES/+ or NO/- keys to make it read F-MODE 1 > 22 >or > -- --. Scroll down to GEAR and assign it to a switch of your choice. Scroll down to **C-MIX 1** and make it read >22 > OR -- --. Do the same for **C-MIX 2** and **C-MIX 3**. Press the **END** key twice.

Select F-MODE: Press ENTER. Scroll down to **C-MIXING (18)**. Press ENTER. **Turn ON Switch 22**.

Use YES/+ and NO/- keys to make screen read:

```
F-MODE (1)
C-MIX      >1
COMMON    > SEP
MASTER    > LE+
SLAVE     > AUX 2
POINT     > 9           POINT >1
RATE     > 100%       RATE > -100%
```

Select **C-MIX 2** and make it read:

```
F-MODE (1)
C-MIX      >2
COMMON    >SEP
MASTER    >RE+
SLAVE     >AUX 1
Point     > 9           POINT > 1
RATE     >100%       RATE > -100%
```

Select **C-MIX 3** and make it read:

```
F-MODE (1)
C-MIX      >3
COMMON    >SEP
MASTER    >RU+
SLAVE      >FL
POINT     > 9           POINT > 1
RATE      >100%        RATE  > -100% Press the END Key.
```

Scroll down to **VR ASSIGN (19)** and press ENTER. Use No/- key to make **AUX 1 > -- --** and **AUX 2 > -- --** . Press END key twice.

When Flight Mode Switch **#22 is ON** Mixing will occur, and channel #7 will respond to the Rudder stick and Channels #9 and #10 will respond to the Elevator stick.

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