



DAREPLANE

STUNTER

INSTRUCTIONS



CAUTION: THIS IS AN ELECTRIC TOY. AS WITH ALL ELECTRIC PRODUCTS, PRECAUTIONS SHOULD BE OBSERVED DURING HANDLING AND USE TO PREVENT ELECTRIC SHOCK. AC ONLY.

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5807-59201A

Ask an older person or parent to help you.



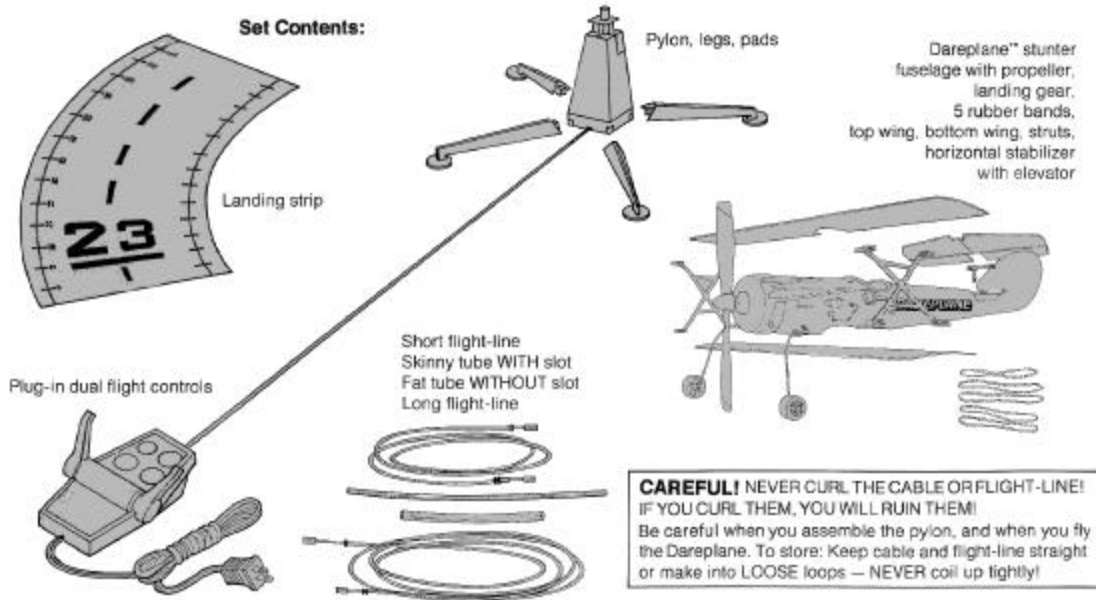
SAFETY FIRST! Be a GOOD PILOT - be a SAFE PILOT!

Follow the assembly and flying instructions carefully. Fly your Dareplane™ stunter in an open area away from furniture and other objects. Always stay out of flight path of Dareplane and moving flight-line. Always keep yourself away from spinning prop. Make sure other people follow these safety rules, too!

FOR BEST FLYING, ONLY USE THE DAREPLANE INDOORS.

Follow these simple rules for hours of safe flying fun!

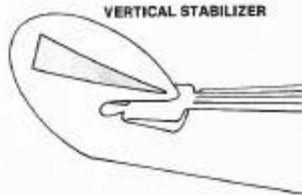
1 Get ready for flight! Before you can fly, you will assemble your Dareplane, add a flight-line to pylon and connect flight-line to Dareplane. Follow the instructions step-by-step to do this.



2 Apply labels as shown



TOP WING

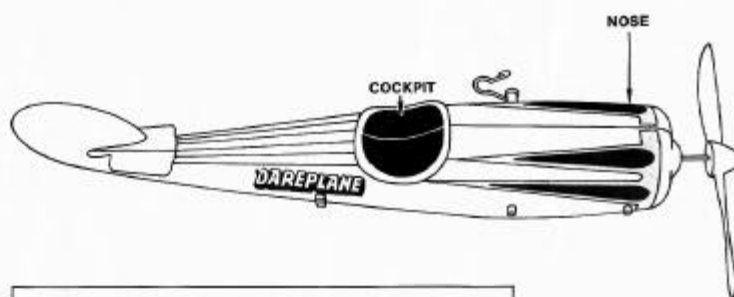


VERTICAL STABILIZER



PUT LABELS
ON SIDE
WITHOUT
GROOVE

HORIZONTAL STABILIZER



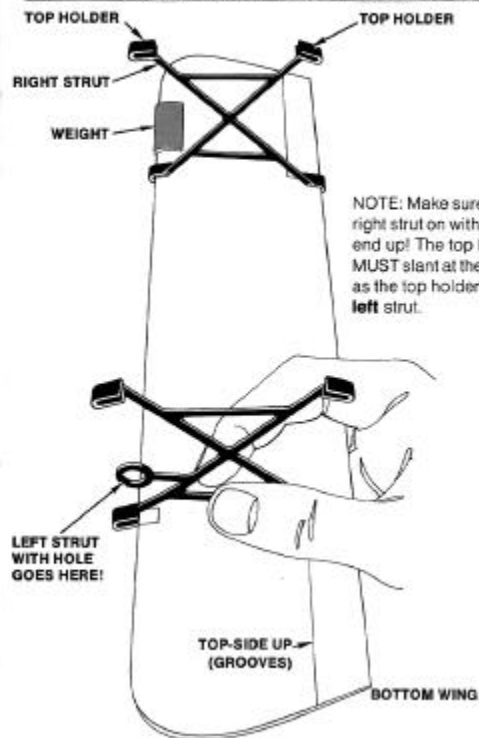
FOR EASY REPAIRS:

If you ever need to repair wings or fuselage, use clear tape.
Put tape on both sides of the damaged area whenever possible.

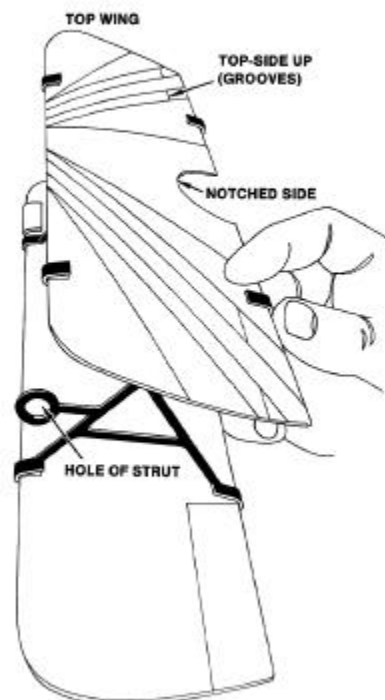
3

Assemble wings

- A. Fit struts onto **BOTTOM** wing. Match our picture carefully! Make sure wing is top-side up (side with grooves). Make sure strut with hole is on end of wing shown.

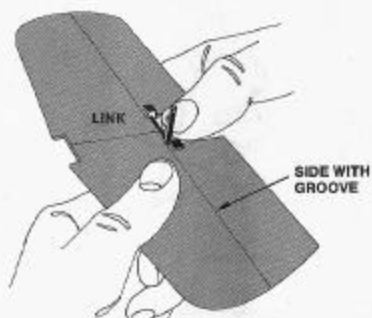


- B. Fit struts onto **TOP** wing. Match our picture carefully! Make sure wing is top-side up (side with grooves). Make sure notch is on side shown in picture.

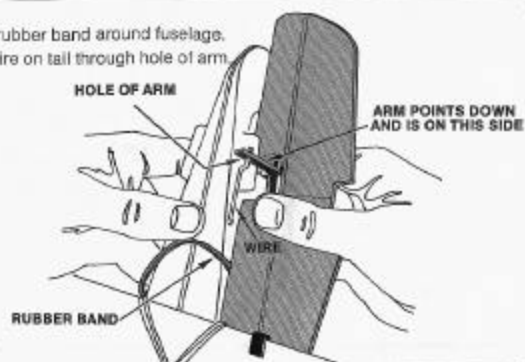


4 Add horizontal stabilizer to Dareplane

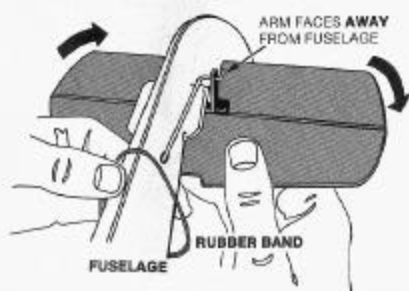
A. Slide link onto horizontal stabilizer as shown.



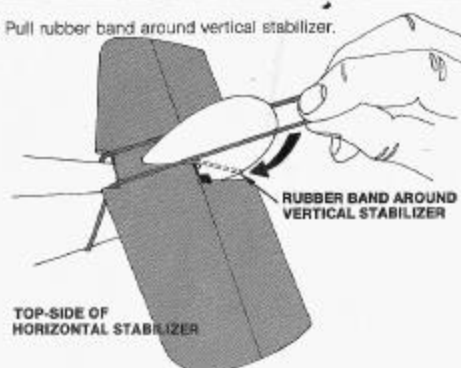
B. Slip rubber band around fuselage. Fit wire on tail through hole of arm.



C. Swing horizontal stabilizer around and slip in place under vertical stabilizer. Make sure arm of wire faces AWAY from fuselage.

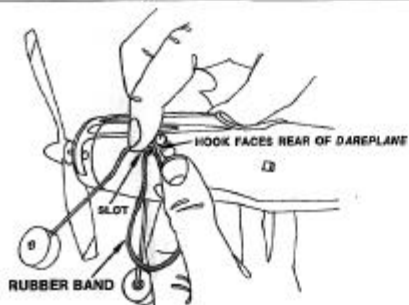


D. Pull rubber band around vertical stabilizer.

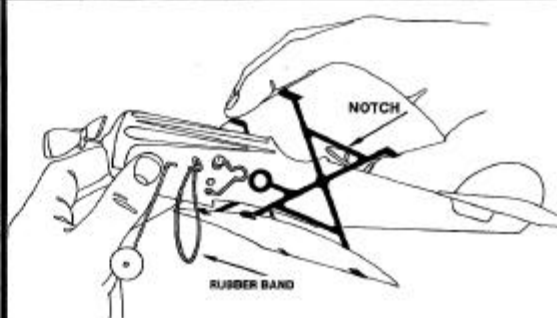


5**Add landing gear**

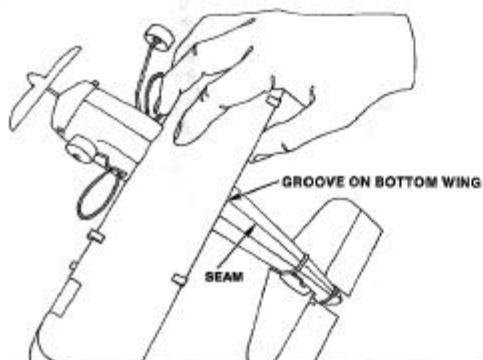
Hold landing gear so hooks face rear of the Dareplane. Press hooks into slots. Slip a rubber band around each hook.

**6****Add wings**

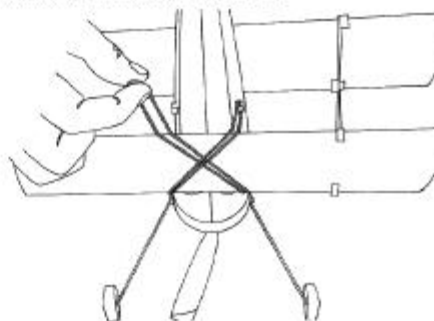
A. Fit wings around tail section and onto Dareplane. Put wings on so that notch is on top and faces rear of Dareplane.



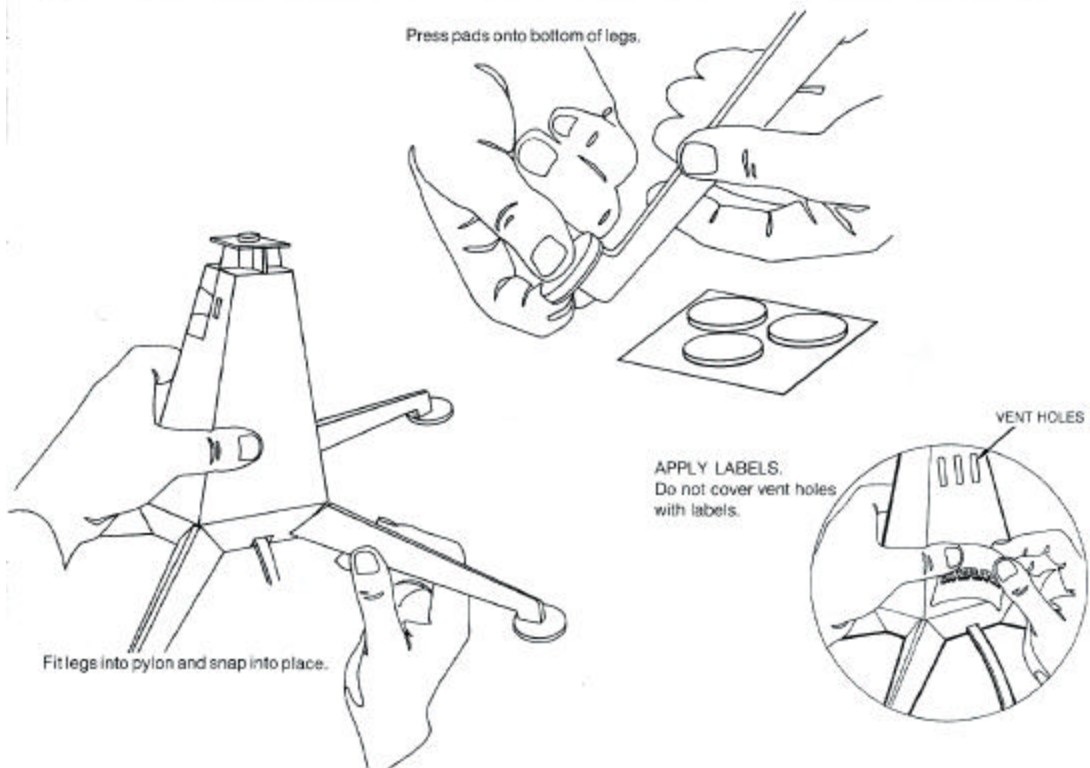
6B. Fit seam under Dareplane into groove on bottom wing. Hold wings in place.



6C. Fasten wings to plane with rubber bands on landing gear. Hold wings in place. Pull one rubber band around bottom of Dareplane and over to other side. Hook over side tab. Repeat for other rubber band.



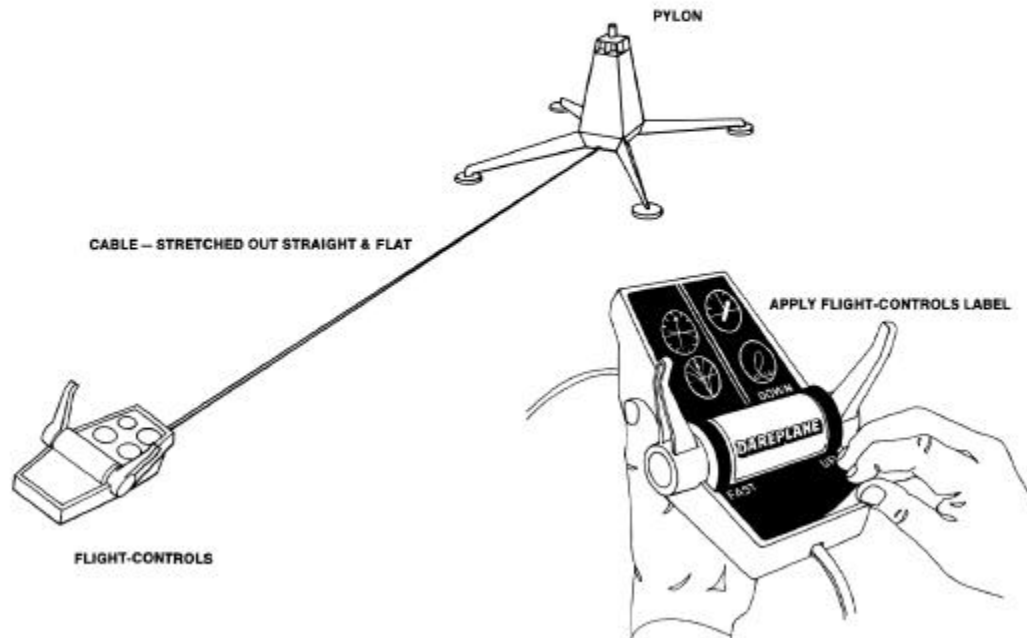
7 Assemble pylon

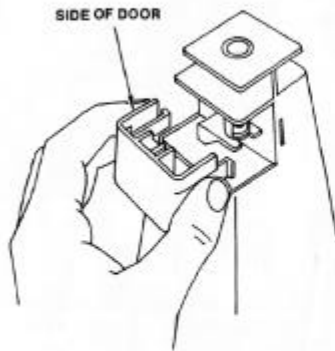


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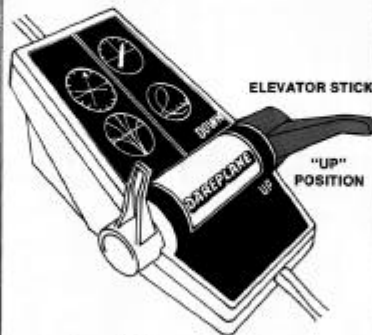
Set up pylon and control

Move the flight-controls and pylon far enough apart to stretch the cable out. **MAKE SURE THE CABLE LIES FLAT!** (Cable must ALWAYS be flat and stretched straight for best flights.) **DO NOT CURL CABLE!**

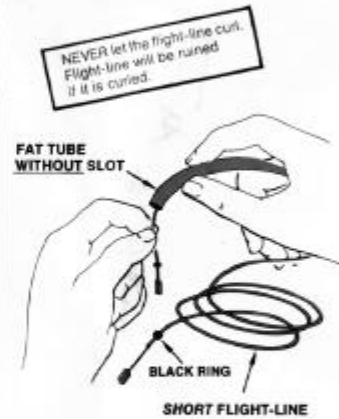




A. Squeeze sides of door in and pull out to remove it.



B. Move the Elevator Stick to the "UP" position.

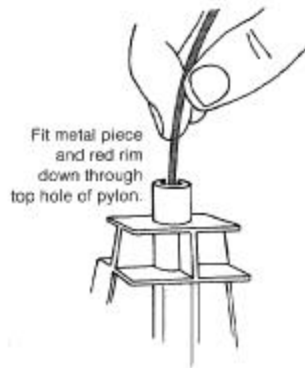
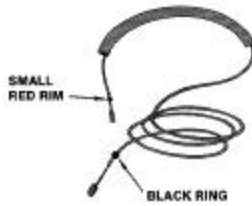


C. Thread fat tube WITHOUT slot over SHORT flight-line and slide out of the way. (Because it is easier to learn to fly with the SHORT flight-line, we will use it first.)

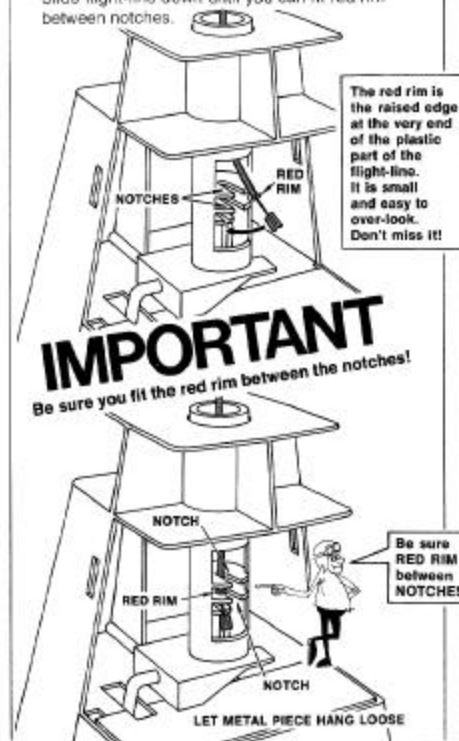
10

Connect SHORT flight-line to pylon

A. Use the end of flight-line WITHOUT black ring.



Slide flight-line down until you can fit red rim between notches.



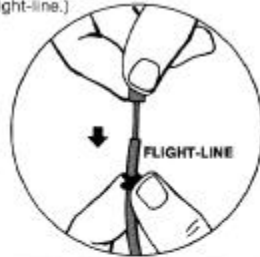
B. Fit clear tube through top hole of pylon. Push down as far as it goes.



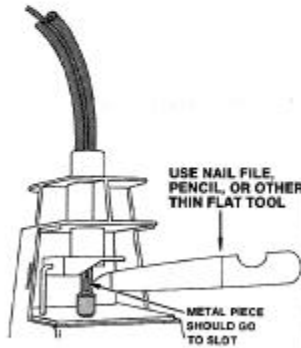
C. Push the Elevator Stick to the "DOWN" position (as called out on label).



D. Hold free end of flight-line and CAREFULLY slide its metal piece down into flight-line. (Do NOT force it down or you will harm flight-line.)

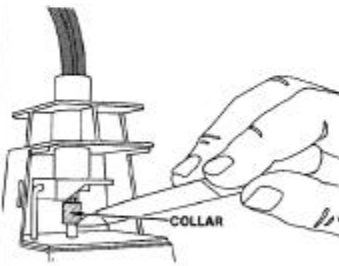


Meanwhile, watch the metal piece inside pylon. When this metal piece slips down to place shown in picture, you are ready for the next step.



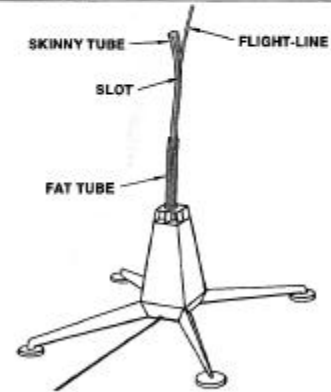
E. Fit metal piece into slot.

Be sure to check that red rim is between notches.



F. Slide collar up to cover slot.

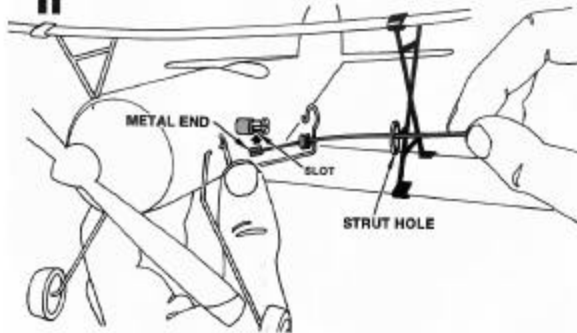
Squeeze sides of door in and snap back into place.



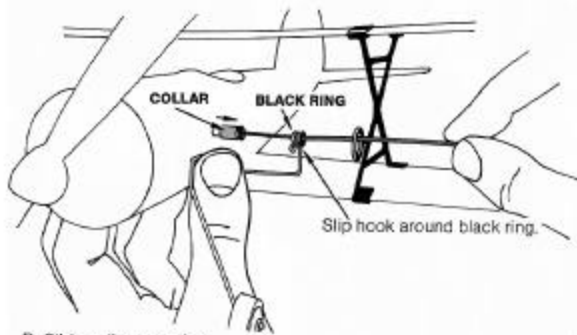
G. Add skinny tube WITH slot.

Hold skinny tube under flight-line. Line up the tube's slot with the flight-line. Press flight-line down through slot to put flight-line into the tube. Slide skinny tube down into fat tube about one inch.

11 Connect flight-line to Dareplane



A. Thread free end of flight-line through strut hole in direction shown. Fit metal end into slot in Dareplane.

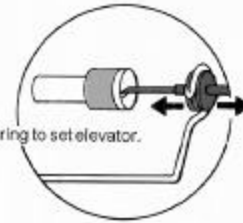


B. Slide collar over slot.

12 Adjust elevator and controls



Leave the Elevator Stick at the "UP" position. Set the Throttle Stick so that the propeller is moving slowly while you adjust the elevator.



Move black ring to set elevator.



Set elevator so it is flat.



Before you can fly, here are some important things you must know.

1. Always start the Dareplane with the flight-line straight. NEVER let the flight-line curl up on itself when flying. If the flight-line ever starts to curl up on itself, QUICKLY PUSH THE THROTTLE STICK TO "OFF".

Flight-line will be ruined if you fly it while it is curled.



2. ALWAYS keep cable between pylon and flight-controls straight and flat. NEVER let cable curl.
3. If you set pylon on smooth or tile floor, clean the floor and clean pylon pads. If pylon moves during flight, lay a heavy book across its legs.
4. To fly on shag or high-nap rugs, lay cardboard or paper where the Dareplane takes off and lands.
5. Repair wings and fuselage with cellophane tape.
6. Reread the SAFE FLYING RULES at the front!
7. ALWAYS fly the Dareplane indoors. It is too windy outdoors for good flying.
8. If propeller does not turn when Throttle Stick is on, push Throttle Stick to "OFF". Then turn Throttle Stick on again. If propeller still does not turn, push Throttle Stick to "OFF". Hold collar at side of the Dareplane while you rotate and pull the propeller out until you feel it move.

THE CONTROL STICKS

You will pilot the the Dareplane very much like a real plane. You will use two control sticks. Only by making many flights can you learn to work both sticks together for the control you want!

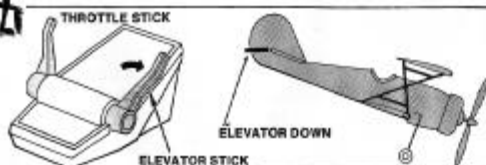
THE ELEVATOR STICK: This is the right stick. It controls the elevator. The elevator is the back part of the horizontal stabilizer. It moves to let the Dareplane go up or down.



THE THROTTLE STICK: This is the left stick. It controls the speed of the propeller. Push it forward to stop the propeller. Pull it toward you to make the propeller turn faster and the Dareplane fly faster. This also gives the Dareplane enough power to go up. With less power, the Dareplane could start to come down.

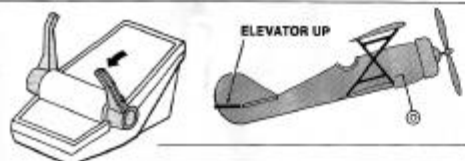


Let's learn how the Elevator Stick moves the elevator. Set the Throttle Stick so propeller is moving as slowly as possible. Set the Dareplane so you can watch the elevator.



Push Elevator Stick to "DOWN". The elevator should move down. This lets a flying plane start to come down.

IMPORTANT: The elevator is supposed to move only a very little bit. However, if the elevator does not move at all, you probably did not fit the red rim into the pylon correctly. Turn back to Step 10A and put the red rim between notches as shown.



Pull Elevator Stick to "UP". Watch the elevator go up. This lets a flying plane start to go up.

YOU'RE READY TO FLY!

Flying takes skill because you have to think about BOTH sticks at the same time! That's the fun of learning to be a pilot!

PRE-FLIGHT CHECK LIST

is cable straight and flat?

is flight-line straight and uncurled?

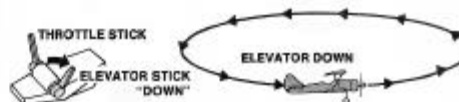
Are you following ALL the SAFE FLYING RULES?

There's a lot to learn — and you learn only through practice — so let's start flying!



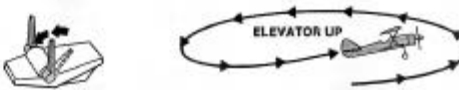
HOW TO TAKE OFF!

Push Elevator Stick to "DOWN". This keeps the Dareplane on the ground while it picks up enough speed to go up. Pull Throttle Stick slowly toward you. Watch the Dareplane pick up speed.



NOTE: If your Dareplane starts to leave the ground when the Elevator Stick is at "DOWN", adjust the elevator by sliding black ring toward the Dareplane.

When the Dareplane has enough speed for take-off, slowly pull Elevator Stick toward you. The Dareplane should now start to go up.



After you try several take-offs, you will learn what "take-off" speed is!

YOU'RE IN THE AIR!

Let the Dareplane fly around for awhile. Soon it will start to fly unevenly. To keep any airplane flying, it must be controlled all the time. Now you must use your skill to keep the Dareplane flying. And you can learn how with lots of practice! To help you, we made up a list of FLYING HINTS.



Isn't flying fun?

FLYING HINTS

Move the control sticks **SLOWLY** and **WATCH** the Dareplane! Moving the control sticks even a little bit makes a big difference in the way your Dareplane flies! Move the control sticks **evenly** — do not jerk them!



THROTTLE STICK

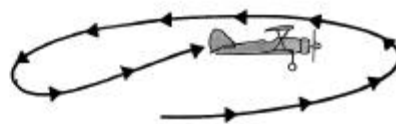


ELEVATOR STICK

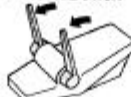
IF THE DAREPLANE STARTS TO GO TOO HIGH:

Maybe it has too much UP elevator. Move Elevator Stick toward "DOWN". Maybe it is flying too fast. Move Throttle Stick toward "OFF".

With practice, you will learn what needs adjusting — the elevator, the power, or both!



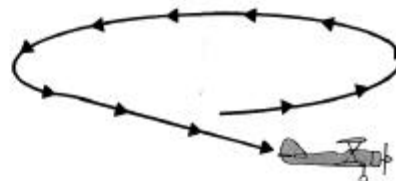
THROTTLE STICK



ELEVATOR STICK

IF THE DAREPLANE STARTS TO GO TOO LOW:

Maybe it has too much DOWN elevator. Move Elevator Stick toward "UP". Maybe it is flying too slowly. Move Throttle Stick toward "FAST".



IF ELEVATOR NEEDS ADJUSTING:

If Elevator Stick does not move the elevator like it should, you need to adjust it. See Step # 12

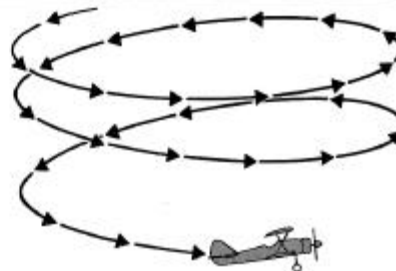
THROTTLE STICK



ELEVATOR STICK

HOW TO LAND:

Pilot the Dareplane so it flies evenly with the ground. Push Throttle Stick toward "OFF". Slowly pull Elevator Stick toward "UP" to make a smooth landing. See if you can touch-down, then taxi to stop right on the landing strip!





Do you think you have enough skill to try some stunts?
Good! Here are a few to get you started.

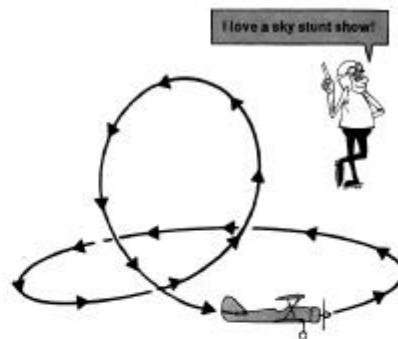
HOW TO LOOP-THE-LOOP:

When the Dareplane is flying at full power and is even with the ground, pull the Elevator Stick to "UP" and — without stopping — push it to "DOWN". The faster you move the Elevator Stick, the tighter your loop will be.

THROTTLE STICK



ELEVATOR STICK



NOTE: For a bigger loop, hold Elevator Stick at "UP" for a second before pushing it to "DOWN".

HOW TO STALL:

A stall is when the Dareplane seems to stand still while at a steep angle. Give the Dareplane "UP" elevator to go up, then quickly give it less power. Watch carefully so you can bring the Dareplane out of this "mid-air stand still" without crashing! You will have to give it more power again and more "DOWN" elevator.

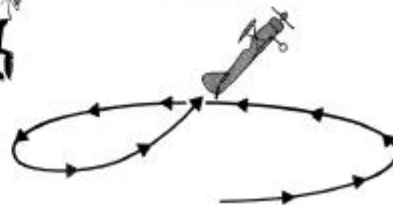
THROTTLE STICK



ELEVATOR STICK



This one is a thriller! Don't close your eyes!



TO STORE THE DAREPLANE:

Keep cable and flight-line straight or make them into LOOSE loops. NEVER coil them up tightly to fit into small spaces. Store where cable and flight-line won't get crushed or bent. IF YOU CURL THE CABLE OR FLIGHT-LINE, YOU WILL RUIN THEM!



IMPORTANT!

If you don't have elevator control, or the propeller doesn't turn or turns slowly, the flight line may be broken.

Remove flight line from plane and pylon. Inspect line for kinks or melted plastic. If line is damaged, replace with other flight line. (See Step 10 of Dareplane™ stunter instructions).

ADDITIONAL TAKE-OFF INSTRUCTIONS

When Elevator Stick is pushed all the way forward to DOWN position and Throttle Stick is about mid-way, the Dareplane should be going quickly around pylon. (See Step 13, "How to Take Off.")



However, if nose goes way up and tail way down, or if Dareplane actually flips-over, push Throttle Stick to stop. Sliding BLACK RING along flight line, move it slightly toward Dareplane. (To locate black ring, see picture in Step 11.) Try flying again with Elevator Stick all the way forward at DOWN. If necessary, slide black ring in again until Dareplane goes quickly around the pylon.



When the Dareplane goes quickly around the pylon with the Elevator Stick at DOWN, you're ready for advanced flying. Slowly pull Elevator Stick toward you. (See Step 13.) If Dareplane now starts to fly tail-down or flip over, you see probably:



- ① NOT GIVING IT ENOUGH SPEED
OR
② PULLING ELEVATOR STICK TOO FAR TOWARD YOU

To take off correctly:
① START OFF AT A HIGHER SPEED
AND
② PULL ELEVATOR STICK ONLY SLIGHTLY TOWARD YOU

REMEMBER! Only through practice can a pilot get a "feel" for his controls. The Elevator Control is VERY responsive — moving the stick just slightly makes a big difference in flight!