



WARNING: TO AVOID INJURY AND PROPERTY DAMAGE:

PROPELLER SAFETY:

Keep your face, fingers, clothing and other objects away from the propellers at all times. Keep spectators behind and away from airplane at all times. Before each flight, make certain propellers are securely attached to your airplane. After each flight, inspect the propellers for nicks and breaks. Discard and replace nicked, chipped, cracked or broken propellers. You can order replacement propellers; PN066525 Propeller Set (2 ea. Right and Left rotation). Use only the propellers supplied with the airplane. Do no alter, modify or customize the propellers.

BATTERY AND CHARGING SAFETY:

This airplane contains 1 non-removable, non-replaceable 3.7 Volt Lithium-polymer (Li-Po) battery. Li-Po batteries are easily damaged and may cause fire or explode. Use only the Transmitter/Charger supplied to charge battery in airplane. Do not reverse polarity while plugging into charger. Check airplane continuously during charging. Do not leave airplane unattended during charging. Never leave or store airplane connected to Transmitter/Charger. If airplane's internal battery becomes hot, smells, makes a sound or leaks fluid, disconnect from charger. DO NOT USE. If fluid gets on skin, rinse well with water. Do not incinerate airplane or its battery. To dispose of airplane and its battery, tape leads to prevent short-circuiting and take to your nearest recycling center or discard in outside fire-proof container. Keep away from small children. Charge, discharge (use) and store at temperatures above freezing and below 113° F (45° C). Do not store near flame or sources of heat such as inside a hot car. Should the airplane's battery, battery leads or wiring become damaged, deformed or punctured, do not use the airplane. Protect the airplanes battery from getting wet. Charge in a fire-proof location away from combustibles. Do not short-circuit.

90 DAY LIMITED WARRANTY

PLEASE DO NOT RETURN YOUR AIRPLANE TO THE STORE – they are not trained to help you like Estes flight techs are! So, before you pack your airplane away, contact us at productsupport@greatplanes.com or call 1-217-398-8970.

Estes guarantees this kit to be free from defects in both material and workmanship for 90 days from the date of purchase. This warranty does not cover any component parts damaged by use or modification. In no case shall Estes' liability exceed the original cost of the purchased kit. Further, Estes reserves the right to change or modify this warranty without notice.

In that Estes has no control over the final use, no liability shall be assumed nor accepted for any damage resulting from the use by the user of the final product. By the act of using the product, the user accepts all resulting liability.

If the buyer is not prepared to accept the liability associated with the use of this product, the buyer is advised to return this kit immediately in new and unused condition to the place of purchase.

To make a warranty claim call our Product Support Team at 217-398-8970 or send the defective part or item to Hobby Services at the address below:

Hobby Services
3002 N. Apollo Dr. Suite 1
Champaign IL 61822 USA

Include a letter stating your name, return shipping address, as much contact information as possible (daytime telephone number, fax number, e-mail address), a detailed description of the problem and a photocopy of the purchase receipt. Upon receipt of the package the problem will be evaluated as quickly as possible.

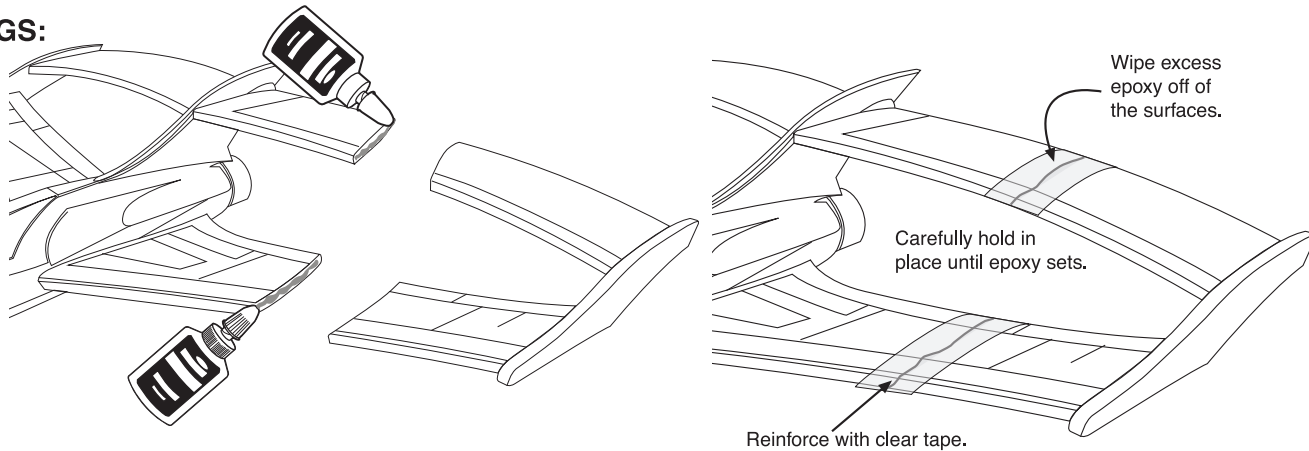
TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Motors will not turn on or operate	- Airplane not charged. - Airplane was not set to 'OFF' during charging. - Transmitter battery power is drained. - Airplane not turned 'ON'. - Transmitter/Charger was not set to 'CHG' during charging.	- Charge airplane for a complete charge cycle. - Set airplane to the 'OFF' position prior to charging. - The Transmitter/Charger must be in the charge position. - Replace the Transmitter/Charger batteries after five 30 minute charges. - Turn airplane switch 'ON'
Airplane is flying to high.	Need to decrease power	Move the Motor Control Stick to middle position to reduce motor speed or release the Motor Control Stick
Airplane is flying too low	- Airplane is not fully charged. - The six 'AA' batteries in the Transmitter/Charger need to be replaced. - Need to increase power	- Charge the airplane for a complete charge cycle. - Install new batteries. - Press the Motor Control Stick forward all the way.
Airplane will not turn	- Transmitter/Charger is not turned 'ON'. - Transmitter/Charger antenna is not fully extended all the way. - Flying in too strong of wind. - Model has flown out of transmitter range.	- Set the Transmitter/Charger to the 'ON' position. - Fully extend the antenna prior to flying. - Do not fly in adverse wind conditions or wind in excess of 5 mph (8 kph).

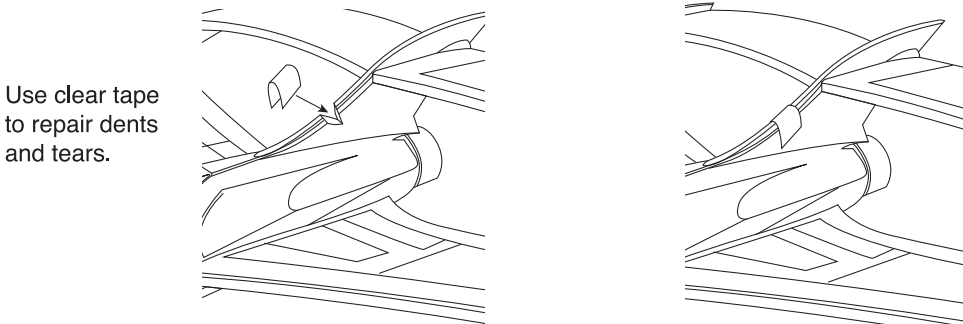
EASY REPAIRS YOU CAN DO YOURSELF

Airplane parts are made of foam for impact strength and durability. Even so, some parts may break during a crash. Foam parts may easily be repaired using household tape and glue. Clear packing tape works well for most repairs; however, larger breaks may require glue and tape for best results. To make your own repairs, use 5 minute epoxy or household white glue (sold separately) and follow the steps below.

WINGS:



TAIL:



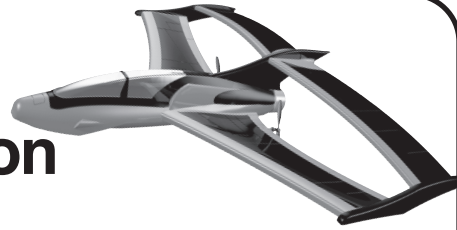
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Estes-Cox Corp.
1295 H Street, PO Box 227
Penrose, CO 81240-0227
Made in Shanghai, China

WARNING:
Choking/Cutting Hazard - small parts, sharp propeller. Not for children under 8 yrs.

Viper™ RC Airplane Instruction



4531

KEEP FOR FUTURE REFERENCE

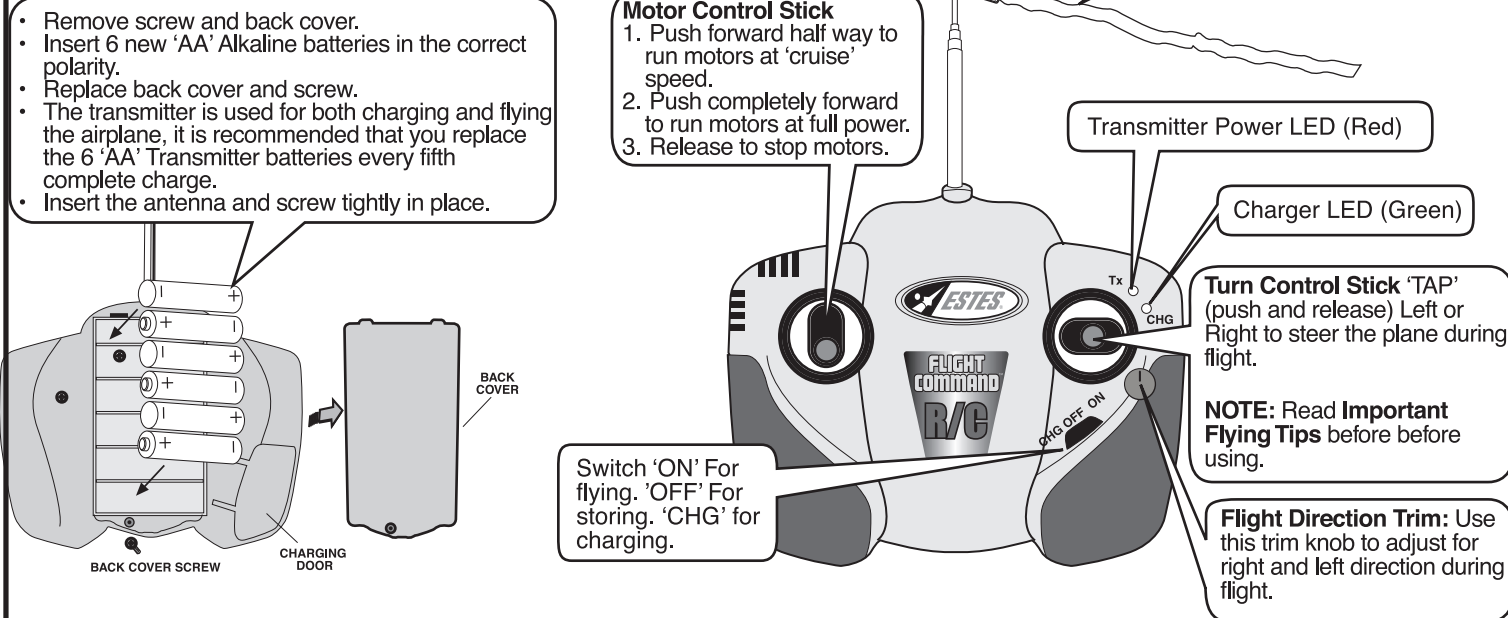
Parts list:
Assembled Viper Airplane.
Spare Propellers
Flight Command™ RC Transmitter/Charger
Transmitter Antenna
Instruction Manual
Antenna Ribbon

SPARE PARTS

Order on-line at www.estesrockets.com , click on Estes Store, then 'R/C Airplane Parts'. OR Call 1-217-398-8970 Monday – Friday 8:00 am – 5:00 pm Central Time.	Item #	Description
	066525	Propeller Set (2 ea. Right and Left rotation)
	066527	Viper Replacement Airplane
	066530	Flight Command® RC Transmitter/Charger
	066608	Transmitter Antenna

TRANSMITTER WITH BUILT-IN CHARGER

(Requires 6 - 'AA' Alkaline Batteries - Sold Separately)



CAUTION: Do not mix old, new, or other battery types. Use only ALKALINE batteries in the Flight Command® transmitter/charger.

IMPORTANT USER INFORMATION

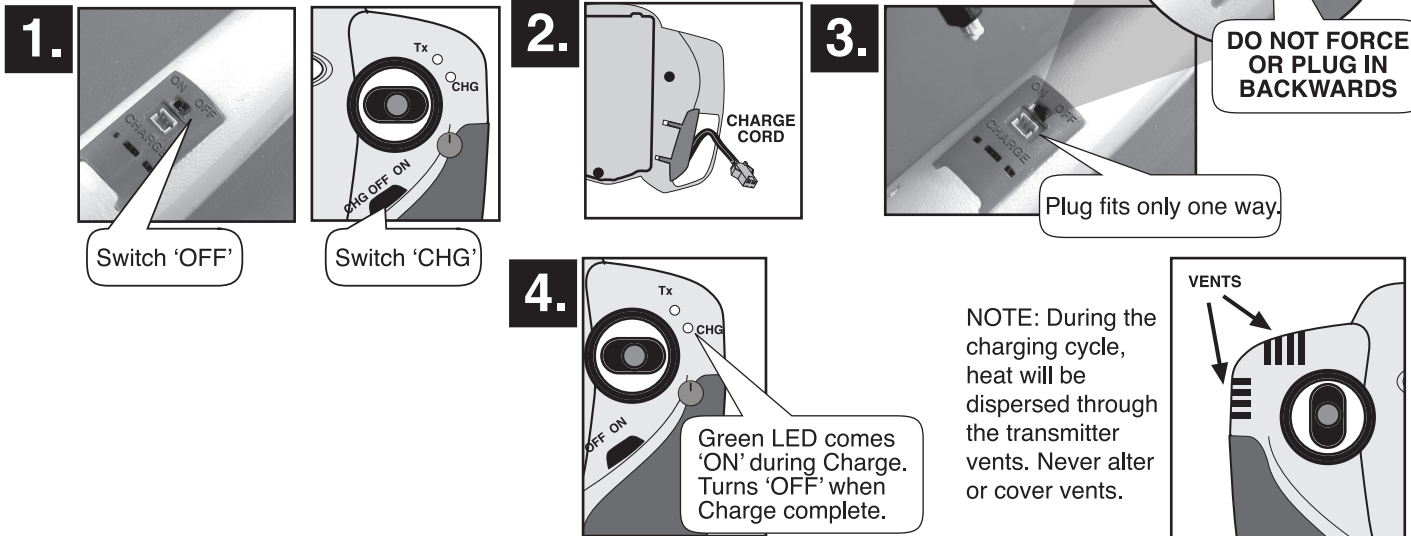
R/C USER INFORMATION
This radio system complies with Part 95 of the F.C.C rules. Operation is subject to the following two conditions: This radio system may not cause harmful interference. This radio system must accept any interference received, including interference that may cause undesired operation.

Changes or modifications of any kind to the transmitter not expressly approved by Estes-Cox Corp. will violate the user's authority to operate the transmitter. Transmitter frequency can only be changed and the associated electronic circuitry tuned by Estes-Cox Corp. Changing Frequency by the consumer will void the warranty and is violation of F.C.C. regulations. Do not cut or shorten the length of the transmitter or receiver antenna. Doing so greatly reduces the operational range of the radio system. Refer to label on back of transmitter for operation frequency. Do not fly or operate more than one R/C airplane or vehicle on the same frequency at a time. Operational interference may occur.

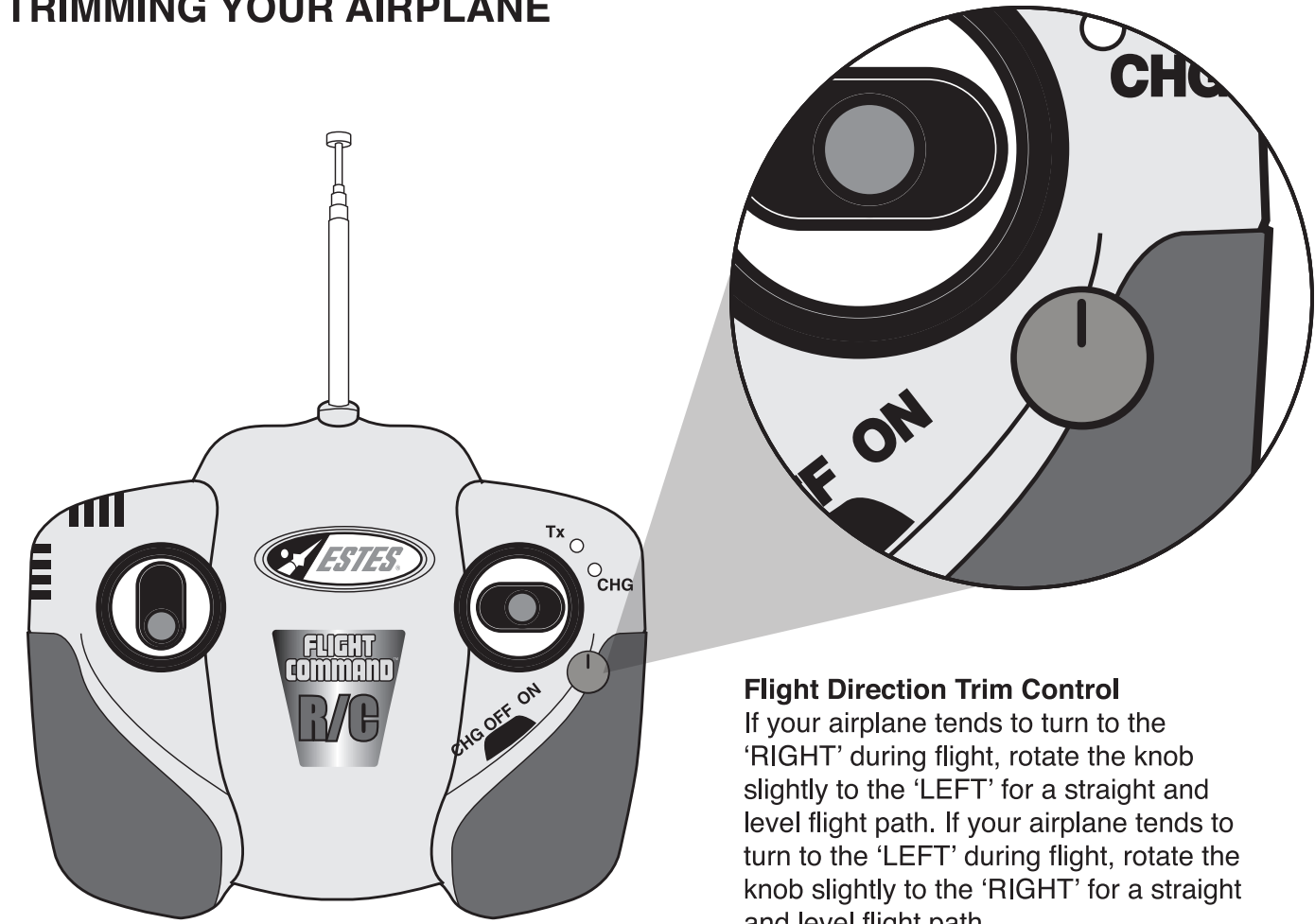
CHARGING THE AIRPLANE

CHARGING STEPS:

1. Turn airplane switch to the 'OFF' position.
2. Push the transmitter switch to the 'CHG' (Charge) position.
3. Open charging door on transmitter and extend the charge cord.
4. Plug charge cord into airplane (DO NOT FORCE). Green LED on transmitter with turn 'ON'.
5. Charge airplane until Green LED turns 'OFF'.
6. Unplug charge cord from airplane and store in Transmitter Charge Cord compartment.



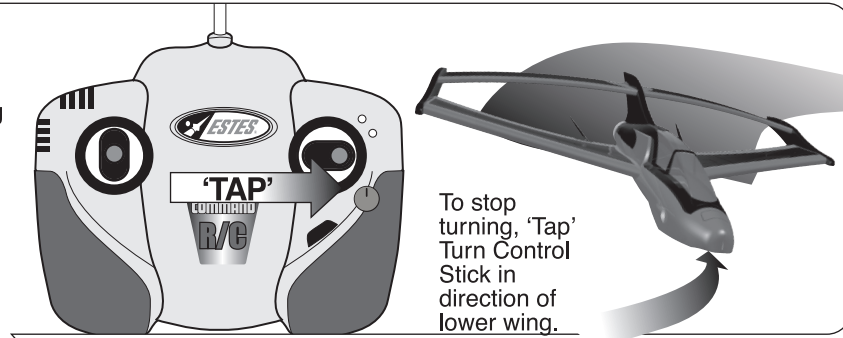
TRIMMING YOUR AIRPLANE



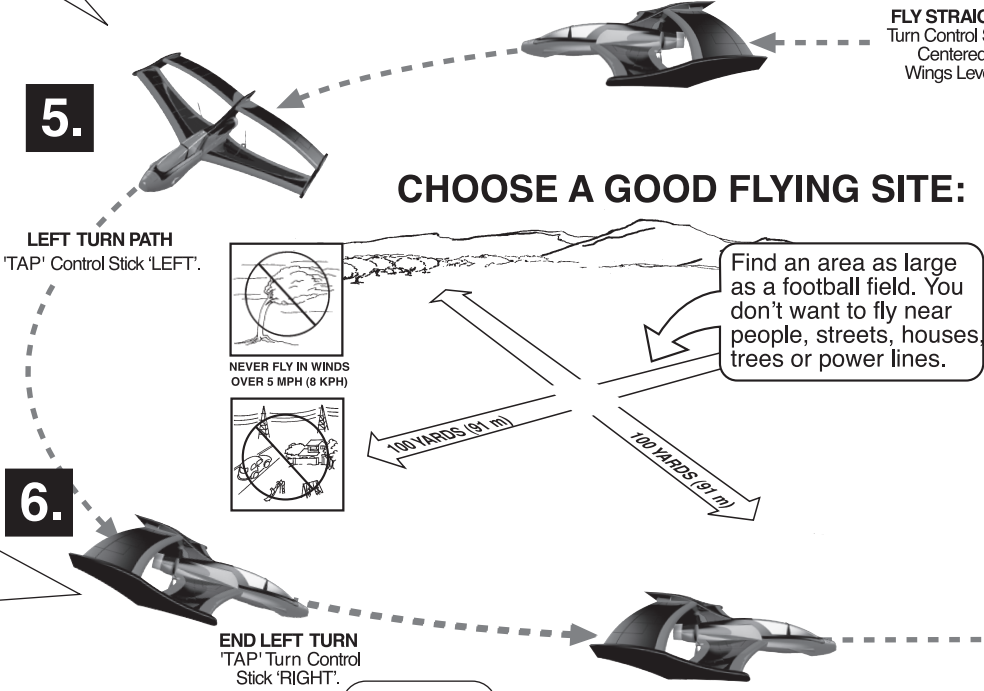
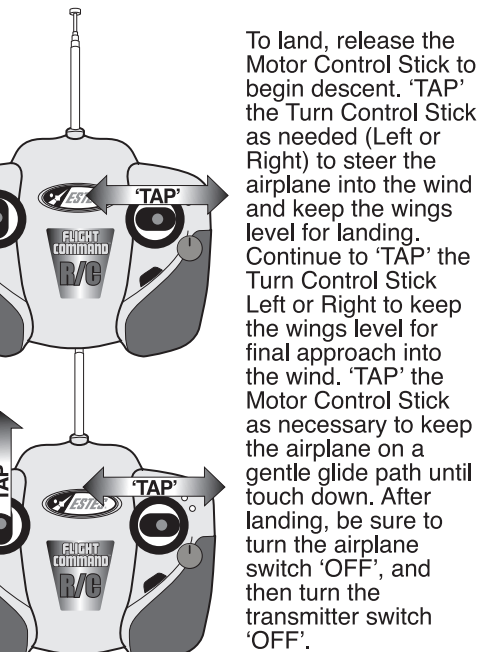
FLYING YOUR AIRPLANE

STEERING THE PLANE COMING TOWARD YOU (Tricky Part of Flying)

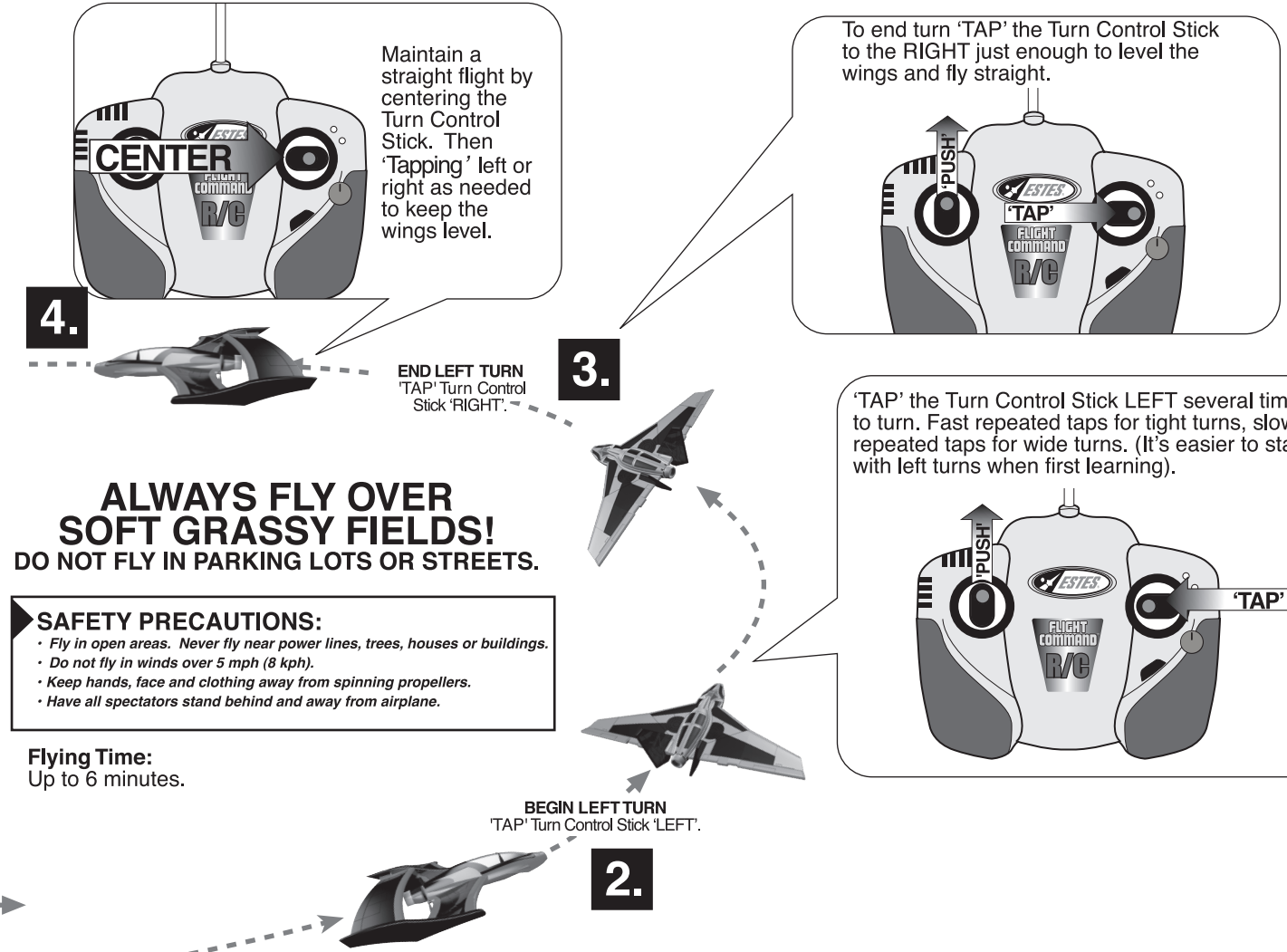
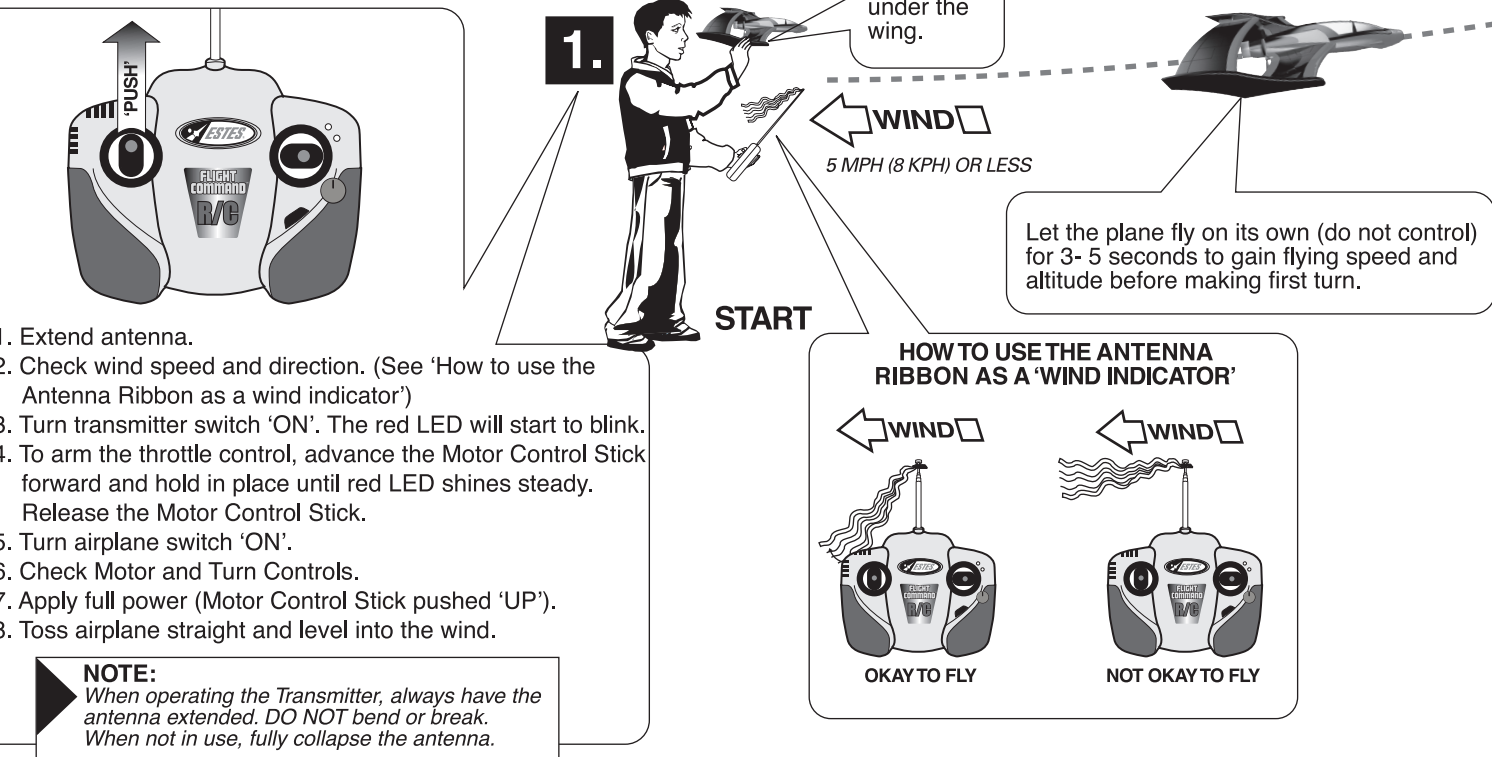
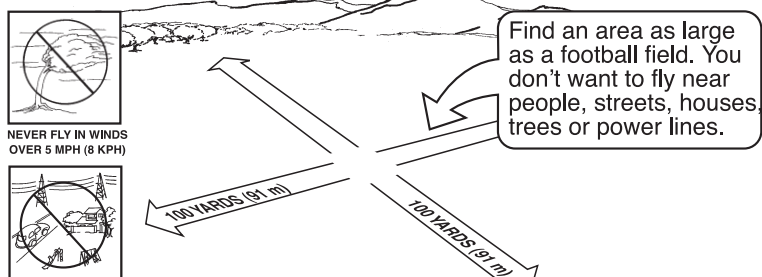
- You have a couple of options:
1. Turn yourself so the radio antenna is pointing in the direction the plane is flying. (Imagine yourself in the cockpit of the plane).
 2. When the plane is flying toward you with the wing banked, 'Tap' the Turn Control Stick in the direction of the low wing until the plane's wing is level.



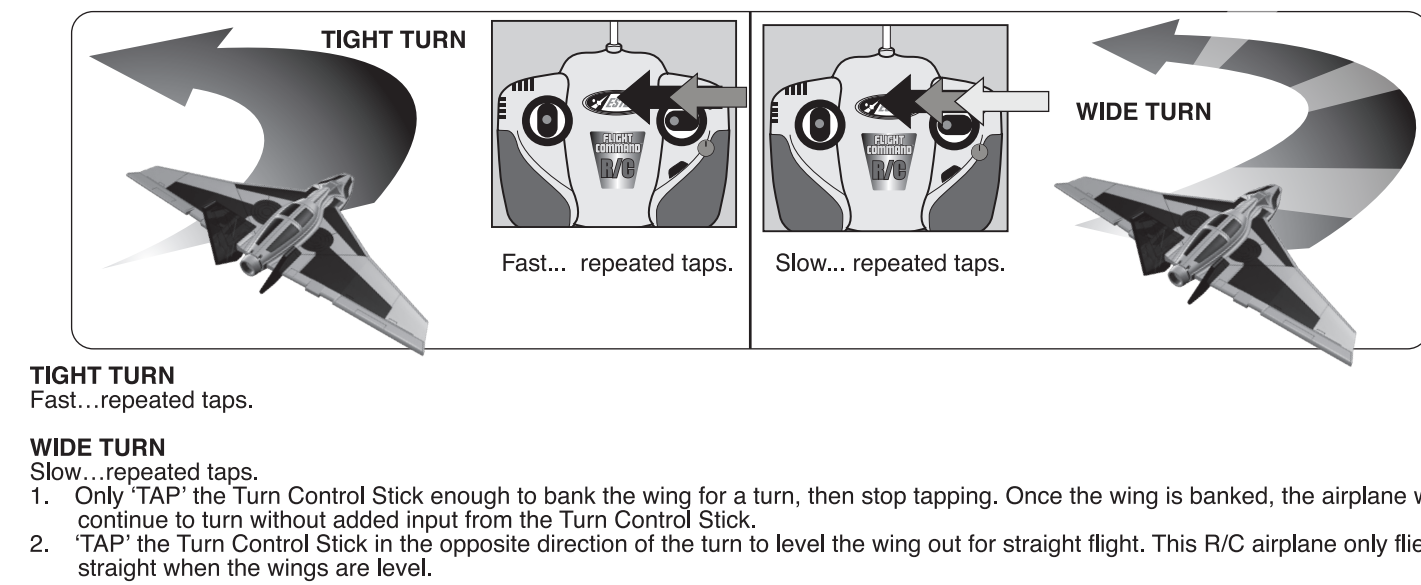
LANDING THE PLANE



CHOOSE A GOOD FLYING SITE:



STEERING YOUR PLANE



If you get into too tight a turn and the airplane begins to dive to the ground, release BOTH control sticks then either: A) Let the airplane correct itself and resume flying by apply power or B) Let the airplane land itself and start over.