



CESSNA

EP 400

SPECIFICATION

Length.....	30in
Wing Span.....	37.8in
Wing Area.....	15.3dm ²
Flying Weight.....	430g
Wing Loading.....	28.1g/dm ²



Warning!

SAFETY PRECAUTIONS

This radio control model is not a toy!

- First-time builders should seek advice from people having building experience in order to assemble the model correctly and to produce its performance to full extent.
- Assemble this kit only in places out of children's reach!
- Take enough safety precautions prior to operating this model. You are responsible for this model's assembly and safe operation!
- Always keep this instruction manual ready at hand for quick reference, even after completing the assembly.

Before commencing assembly, please read the instruction manual.

Safety Precautions

- Never fly the CESSNA EP 400 where there are crowds of people, power lines overhead, automobiles or near highways. Give yourself plenty of room for flying, as the plane can travel at a high rate of speed. Remember you are responsible for the safety of others.
- Do not fly in strong winds.
- Do not attempt to catch the CESSNA EP 400 while flying.
- Children under the age of 16 should not have admission to the transmitter for the plane.
- Never leave this system unattended, with the batteries in the unit and around children. Injury can result by children turning on the transmitter or the plane.
- Keep away from the propeller at all times. The system can automatically start when the batteries are plugged in, regardless if the transmitter is in the on or off position. The propeller can cause injury!
- Before flying, always remember to turn on the transmitter first, before plugging in the battery pack. Stay clear of propeller.
- Always turn the speed controller all the way down and the switch on "OFF". (left control stick in the down position) before starting; otherwise the propeller will start on full power when you plug the battery into the plane.
- After running the motor, disconnect the battery first before turning off the transmitter, otherwise the propeller may start at full power.
- Never leave the charger or battery near wet areas.
- Completely discharging a Li-poly battery can result in permanent damage to the cells of the battery. Therefore you must always remember to disconnect the battery after using the plane.

BEFORE YOU BEGIN

- Read through the manual before you begin, so you will have an overall idea of what to do.
- Check all parts. If you find any defective or missing parts contact your local dealer. Please DRY FIT and check for defects for all parts that will require CA or Epoxy for final assembly. Any parts you find to be defective after the gluing process may be difficult to remove for warranty replacement. The manufacturer will replace any defective parts, but will be difficult to extend to the good parts that are good before gluing to defective parts during assembly.
- Symbols used throughout this instruction manual comprise of following:



Apply epoxy glue



Assemble left and right sides the same way.



Pay close attention here!



Pliers

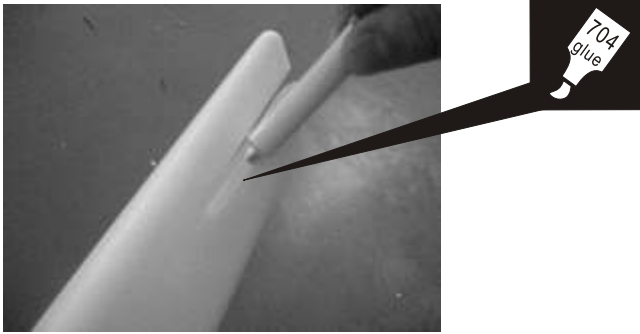


Ensure smooth non-binding movement while assembling.

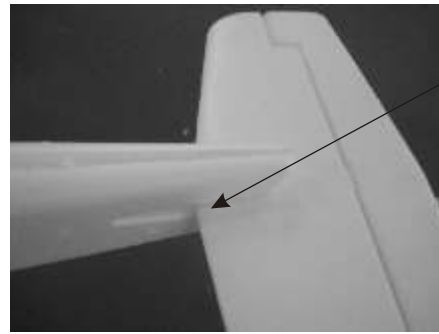


Cut off shaded portion

Assembly

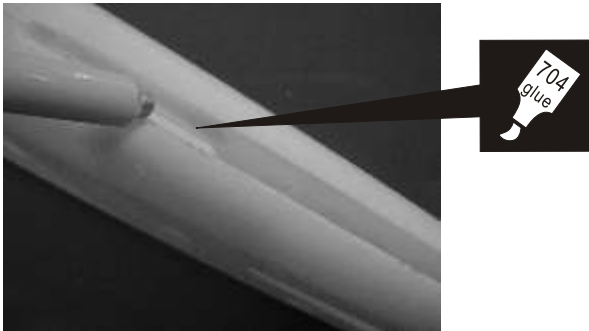


1 Apply the epoxy glue on the fuselage averagely.

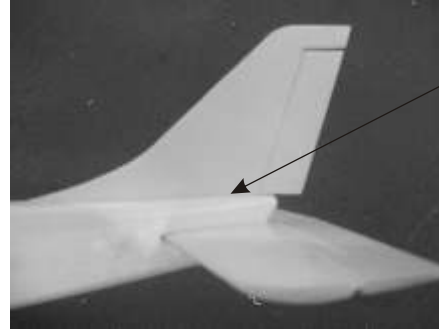


There are 4 points on the horizontal stab easy to

2 Slide the elevator into fuselage and erase superfluous glue.

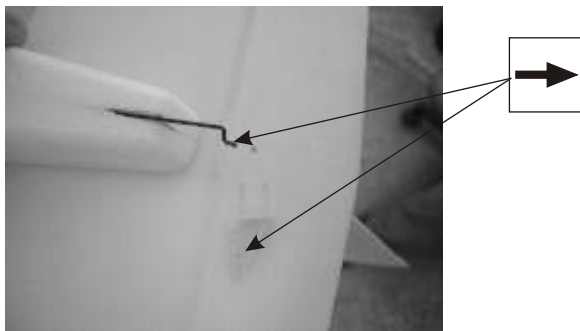
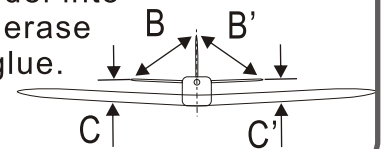


3 Apply epoxy glue averagely on the front-face and the bottom of the fuselage.



B=B'
C=C'

4 Slide the Rudder into fuselage and erase superfluous glue.



5 Pay close attention here! Use the second hole.



6 Insert the push rod into the second hole of the horn, and gently press the horn into the elevator.

Assembly



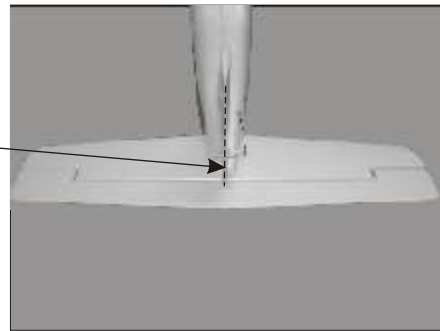
7 Press the horn stator into the horn.



8 According to creation method of elevator.



Ensure smooth non-binding movement while assembling.



9 Adjust the control throws as shown in the diagram. Please do this before connect the servos.



10 Move the steel-wire for rudder and elevator in right location. The servos had finished in fuselage.



11 Adjust and fasten bolts.

Assembly



Pliers

12 Attach the propeller by sliding it onto the motor shaft. Tighten the nut holding the propeller securely onto shaft.



13 Take on the propeller spinner.



14 Put it into the slot and use the screw fixed.



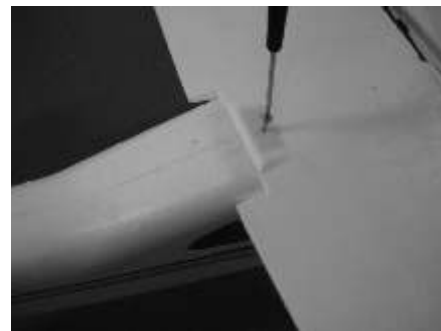
Warning!



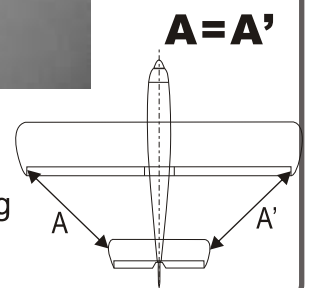
15 Move the switch to OFF. Put the li-poly battery into fuselage, and connect with the ESC.



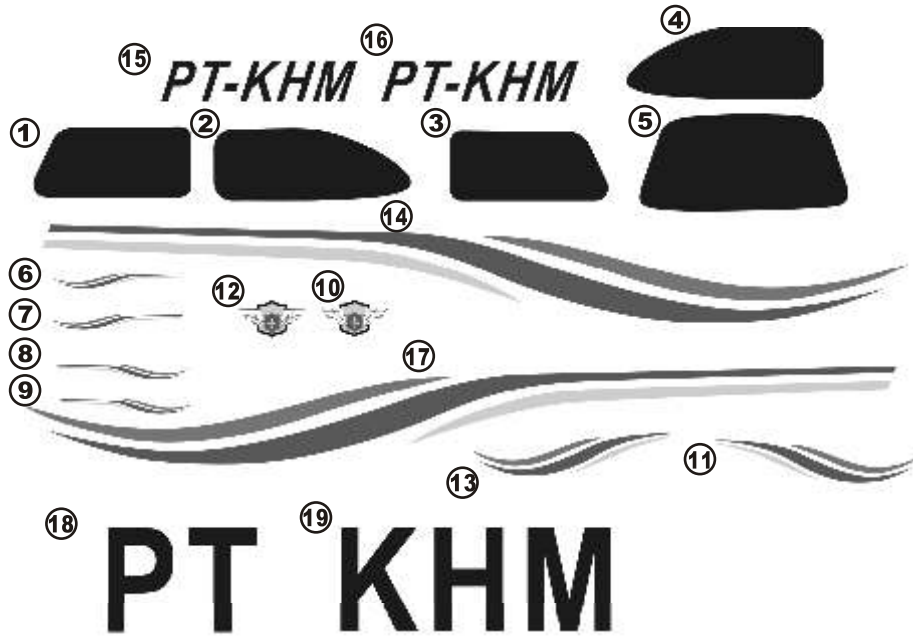
16 Insert aileron servo into channel 1 on receiver.



17 Use the steel bolt to fasten the main wing to the fuselage.

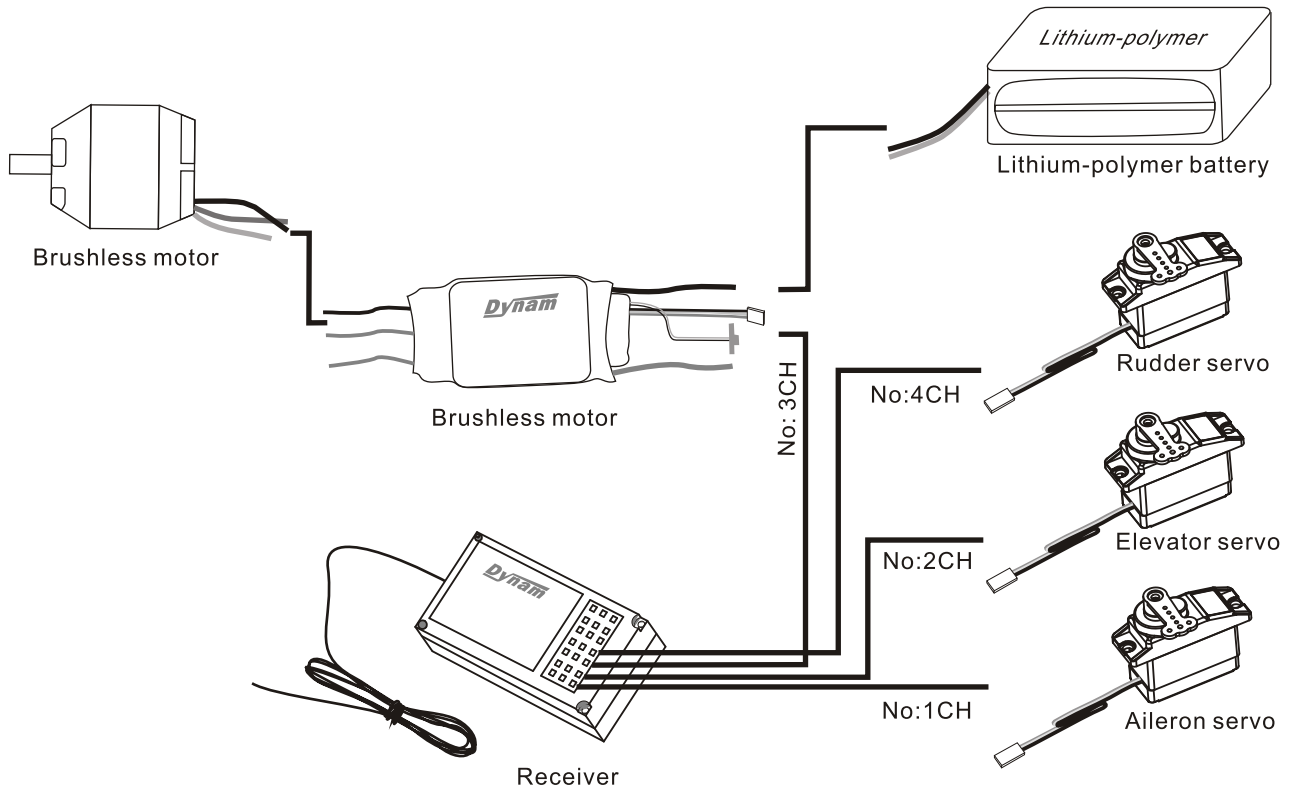
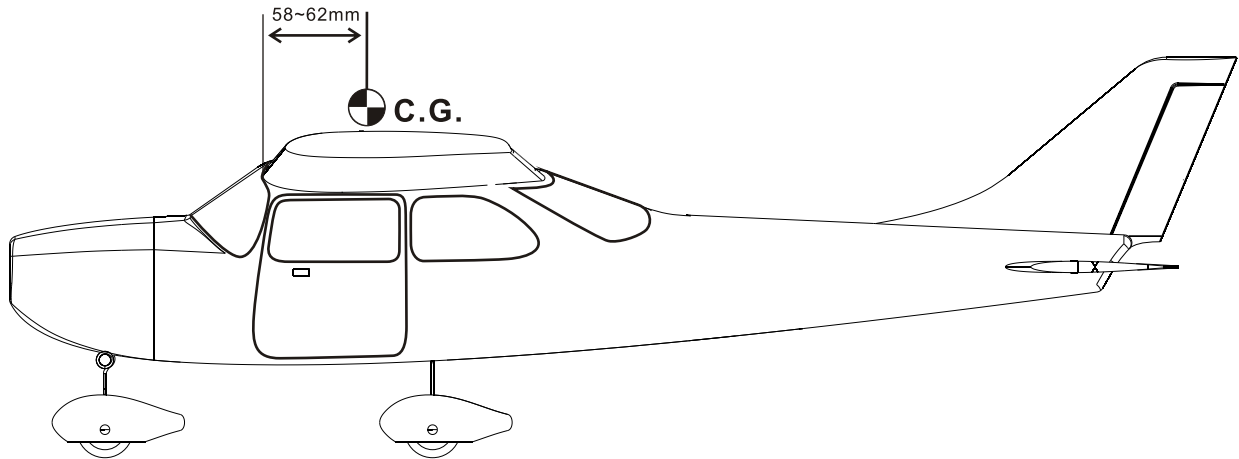


Decal

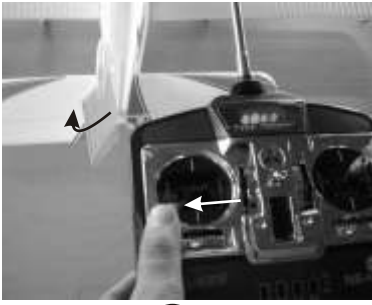


CG And Receiver Assembling

The ideal C.G. position is 58~62mm behind the leading edge measured at where the wing meets the fuselage. In order to obtain the C.G. specified, add weight to the fuselage or move the battery position. Check the C.G. before flying.



Radio Setting



①



②



③



④



⑤



⑥

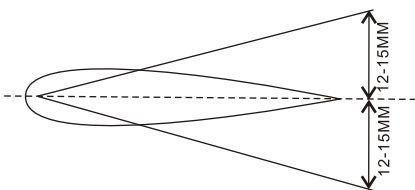
RUDDER TEST

- (1) Moving the stick to the left should move the rudder to the left (Pic ①).
 - (2) Moving the stick to the right should move the rudder to the right (Pic ②).
 - (3) When the stick is in the neutral center position, the rudder should be neutral.
- If the movement of the rudder is opposite to the stick movement, please switch the rudder reverse switch on the transmitter.

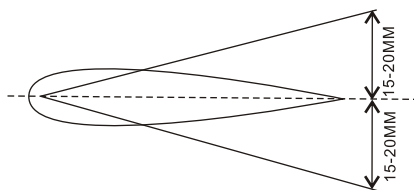
ELEVATOR TEST

- (1) Moving the stick down should move the elevator up (Pic ③).
- (2) Moving the stick up should move the elevator down (Pic ④).
- (3) When the stick is in neutral center position, the elevator should return to neutral (Pic ⑤).

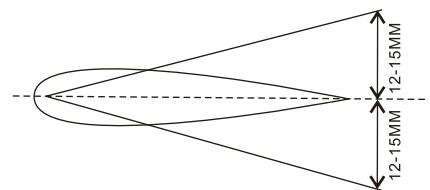
SUGGEST CONTROL THROW SETTING



ELEVATOR



AILERON



RUDDER

Battery Warning And Charging

Lithium-polymer batteries are a revolutionary new rechargeable battery technology for electric R/C flight, offering a variety of significant advantages over NiCd, NiMH and Li-Ion batteries. It is very important to have a good understanding of the operating characteristics of Li-Po batteries especially their exact rated voltage. Always read the specifications printed on the label of your Li-Po battery prior to use, and read this instruction sheet in its entirety.

WARNING! Lithium-Polymer batteries (Li-Po) are entirely different than NiCd and NiMH batteries and must be handled differently as well!! Failure to follow these care and handling instructions can quickly result in severe, permanent damage to the batteries and its surroundings and even start a FIRE!

- You must charge the Li-Po battery pack in a safe area away from flammable materials.
- Do not charge the battery when installed in CESSNA EP 400.
- Never charge the battery unattended. When charging the battery you should always remain in constant observation to monitor the charging process and react to potential problems that may occur.
- After flight, the battery must be cooled to ambient temperature before charging.
- You must move the switch to 3 cells when you charge the 3 cells battery for the



- In the event of a crash, you must quickly and safely disconnect and remove the battery from CESSNA EP 400, then place it in a safe, open area away from flammable materials to observe it for at least 15 minutes.
- Store the battery at room temperature for best results.
- Do not over-discharge the battery. Discharging the battery too low can cause damage to the pack resulting in reduced performance and duration.

Battery Warning And Charging

The charger requires up to 1.5 Amps of 10-15 Volt DC input power that can be supplied from a small 12V gel cell or car battery.



Input power for the charger can also be supplied through the use of an AC to DC adapter/power supply for convenient charging anywhere an AC outlet is available. We recommend the optional AC to 12V DC, 1.5 Amp Power Supply. **NEVER attempt to power the charger from an AC outlet without the use of a proper AC to DC adapter/power supply.**



Battery Warning And Charging

Once you have connected the charger to a power source. It's LEDs will flash to indicate the charger has power and is ready to begin charging. Connect the Li-Po battery pack to the charger. When the battery is properly connected and charging normally, the red and yellow LED indicators will glow solid. Once the battery has been fully charged. The green LED will go out.



Install the Transmitter Batteries

Install 8 new “AA” batteries in the included transmitter. Check the power level of the batteries and operation of the transmitter by switching the power switch on (upward). The status LEDs at the top of the transmitter will indicate the power level of the batteries. If at any time the status LEDs no longer show green, it will be necessary to replace the batteries with new ones.



CESSNA EP 400 Parts Listing



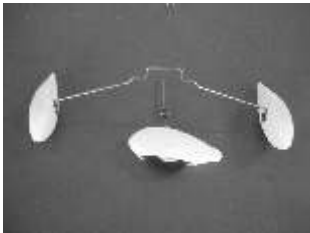
CSN001
Fuselage



CSN002
Main Wing



CSN003
Canopy & Cowl



CSN004
Landing Gear



CSN005
Elevator



CSN006
Rudder



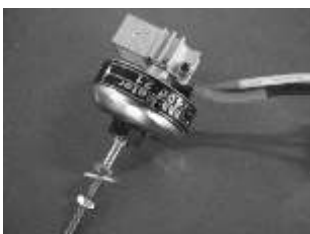
CSN007
Propellers



CSN008
Epoxy Glue



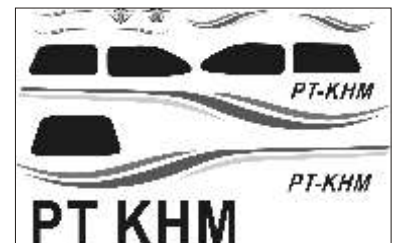
CSN009
Horn



CSN010
Brushless Motor



CSN011
Quick-controller



CSN012
Decal



Dy001
Transmitter



R5P-D
Receiver



Dy004
Servos



ESC-25A
Brushless Speed Controller



Lip001
Li-po Battery



Chg001
Li-po Battery Charger