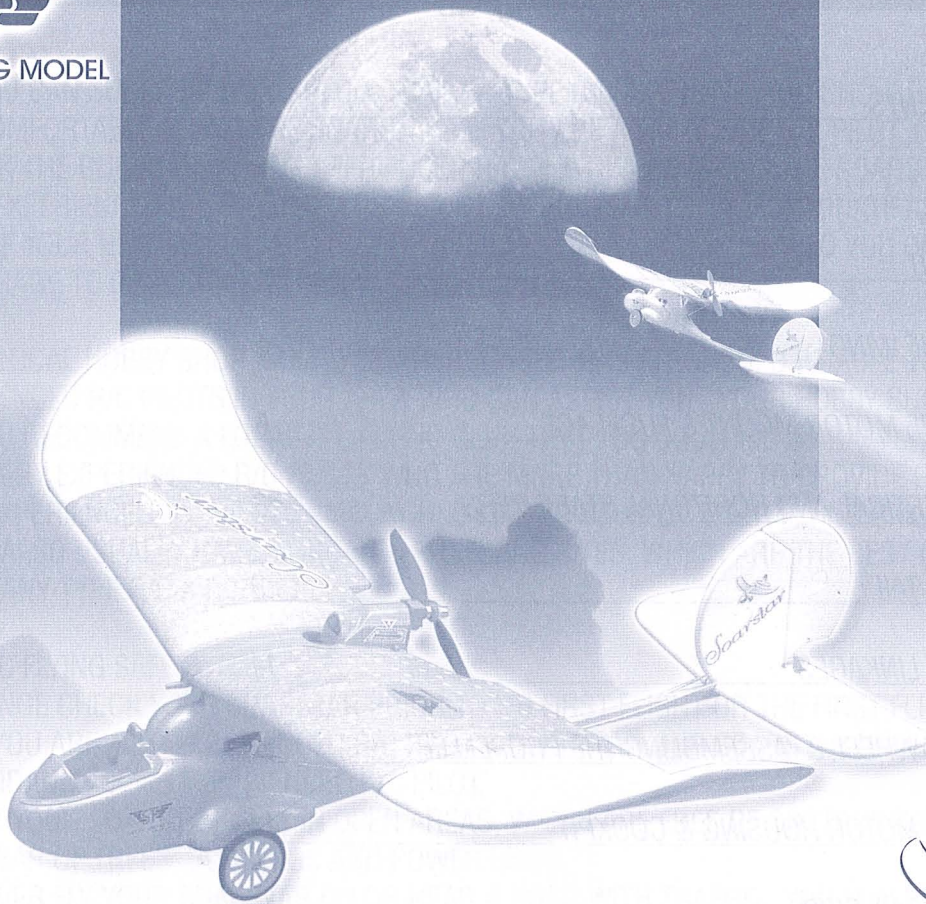




SUPER FLYING MODEL



Soarstar

SFM1000-組裝說明書

規格

Specifications

- 翼展.....Wing Span.....44 inches / 1117 mm
- 翼面積.....Wing Area.....403 square inches / 26 dm²
- 機身長...Overall Length.....36 inches / 914 mm
- 全備重量...Ready to Fly Weight....20 ounces / 560 g
- 遙控器.....Radio.....3 to 4 Channel



- Easy-to-build electric ARF
- Strong, lightweight construction
- Fun for the beginning and experienced sport flyer
- Includes everything you need, except a radio
- Makes any park your flying field

INSTRUCTION MANUAL



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IF YOU CAN SUCCESSFULLY SOLO A TRAINER-TYPE R/C AIRPLANE, YOU SHOULD FEEL CONFIDENT AND COMFORTABLE FLYING THE SOARSTAR. IF YOU ARE A FIRST-TIME R/C PILOT, IT IS IMPERATIVE TO SEEK THE GUIDANCE OF AN EXPERIENCED R/C PILOT WHEN FLYING THE SOARSTAR. HAVING A MORE EXPERIENCED R/C PILOT AT YOUR SIDE MAY PREVENT THE UNFORTUNATE AND UNTIMELY LOSS OF YOUR NEW AIRPLANE AS WELL AS PREVENT POSSIBLE INJURY TO YOU OR SPECTATORS OR DAMAGE TO PROPERTY.

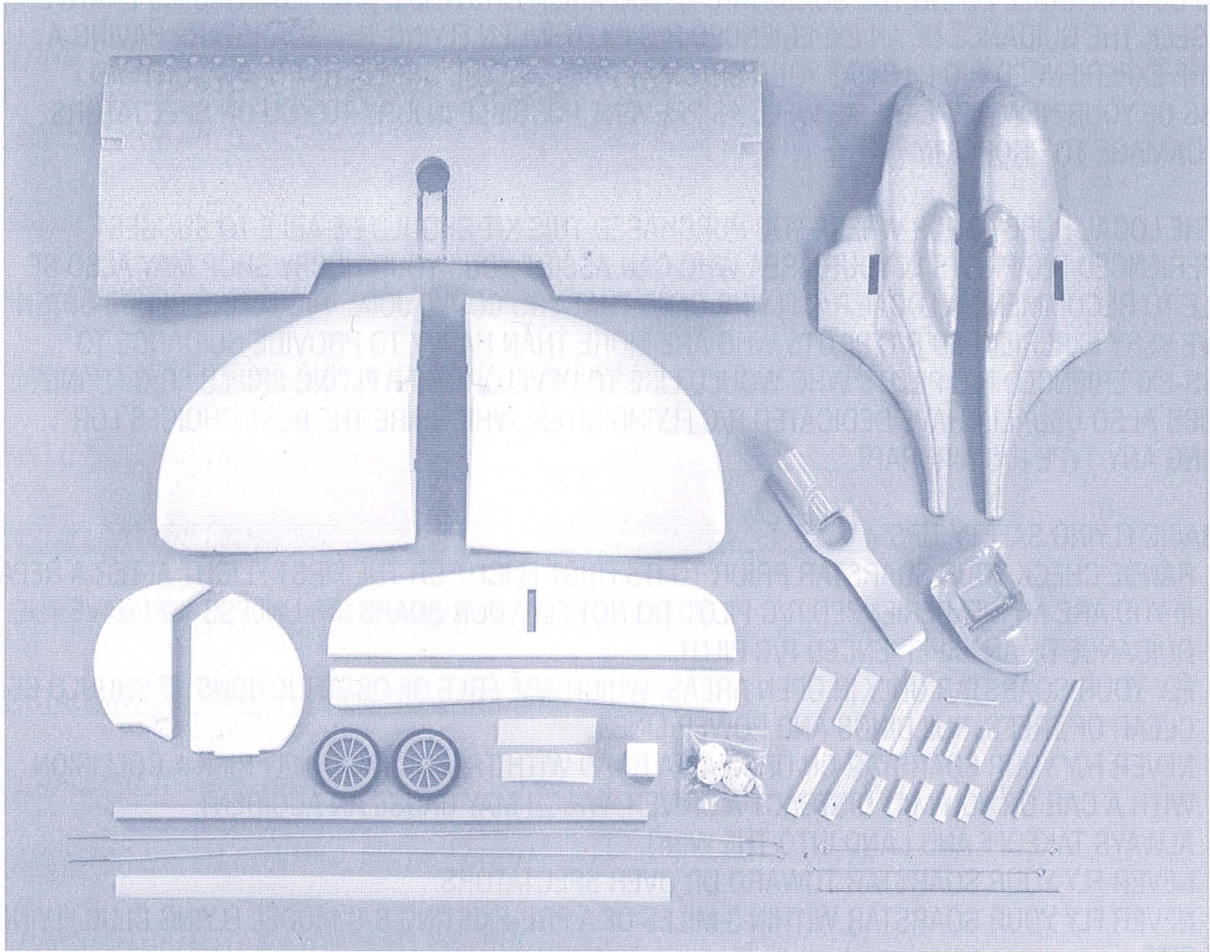
THE LOCAL HOBBY SHOP WHERE YOU PURCHASED THIS KIT SHOULD BE ABLE TO SUGGEST EXPERIENCED R/C PILOTS IN YOUR AREA WHO CAN ASSIST YOU. YOUR HOBBY SHOP MAY ALSO BE ABLE TO RECOMMEND A LOCAL R/C FLYING CLUB THAT YOU COULD JOIN. R/C FLYING CLUBS OFTEN HAVE VERY EXPERIENCED R/C PILOTS WHO ARE MORE THAN HAPPY TO PROVIDE GUIDANCE TO LESS-EXPERIENCED R/C PILOTS WHO WOULD LIKE TO DEVELOP THEIR FLYING SKILLS. R/C FLYING CLUBS ALSO USUALLY HAVE DEDICATED R/C FLYING SITES, WHICH ARE THE BEST CHOICES FOR FLYING ANY TYPE R/C AIRCRAFT.

BASIC FLYING SAFETY TIPS

1. RANGE CHECK YOUR SOARSTAR PRIOR TO ITS FIRST FLIGHT OR THE FIRST FLIGHT AFTER A REPAIR.
2. IF YOU ARE AN INEXPERIENCED R/C PILOT, DO NOT FLY YOUR SOARSTAR UNLESS YOU HAVE THE GUIDANCE OF AN EXPERIENCED R/C PILOT.
3. FLY YOUR SOARSTAR ONLY IN OPEN AREAS, WHICH ARE FREE OF OBSTRUCTIONS. IT SHOULD BE CLEAR OF TREES, BUILDINGS AND POWER LINES.
4. NEVER FLY YOUR SOARSTAR ON OR NEAR A ROAD WITH TRAFFIC. YOU MAY RISK A COLLISION WITH A CAR OR YOU MAY DISTRACT A DRIVER, WHICH MAY CAUSE AN ACCIDENT.
5. ALWAYS TAKEOFF AND LAND INTO THE WIND.
6. NEVER FLY YOUR SOARSTAR TOWARD OR OVER SPECTATORS.
7. NEVER FLY YOUR SOARSTAR WITHIN 3 MILES OF A PRE-EXISTING R/C MODEL FLYING CLUB FLYING SITE.
8. NEVER FLY YOUR SOARSTAR HIGHER THAN APPROXIMATELY 400 FEET OR WITHIN 3 MILES OF AN AIRPORT.
9. DO NOT OPERATE THE SOARSTAR WITH ANY PYROTECHNIC DEVICES.
10. ALWAYS USE COMMON SENSE AND THINK SAFETY FIRST WHEN FLYING YOUR SOARSTAR.



□ PARTS & ACCESSORIES



□ POWER SYSTEM



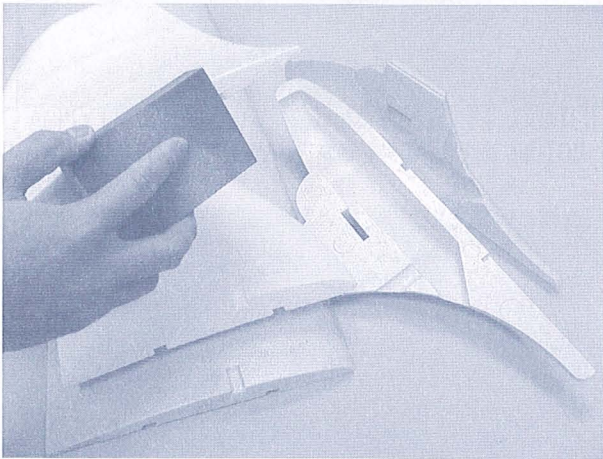


HELPFUL HINTS BEFORE YOU BEGIN ASSEMBLY

- ✘ CAREFULLY READ ALL INSTRUCTIONS BEFORE YOU BEGIN.
- ✘ 15 MINUTE EPOXY AND MEDIUM CA IS USED FOR MODEL ASSEMBLY. MODERATE, BUT NOT EXCESSIVE AMOUNTS OF EPOXY ARE RECOMMENDED FOR ASSEMBLY.
- ✘ A MEDIUM-GRADE SANDPAPER MOUNTED ON A SMALL SANDING BLOCK IS USEFUL FOR TRIMMING FOAM FLASHING.
- ✘ BLUE 3M MASKING TAPE IS GREAT FOR HOLDING PARTS TOGETHER WHILE EPOXY CURES.

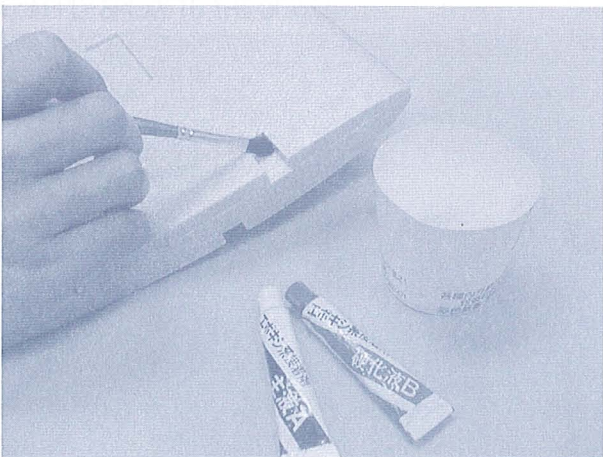
□ 將主翼;機身;尾翼各連接斷面先用砂布板磨平。

□ USE A SANDING BLOCK TO REMOVE THE FLASHING FROM ALL FOAM PARTS.



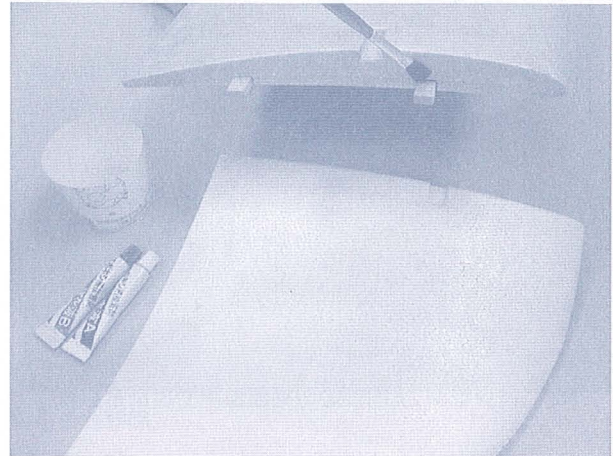
□ 取三塊“主翼連接木塊”(5mmx10mmx35mm),用AB膠黏著於主翼連接槽內。

□ APPLY EPOXY TO THE WING JOINER SLOTS ON THE MAIN WING. THERE IS ONE SLOT ON THE UPPER SURFACE OF THE MAIN WING AND TWO ON THE LOWER. SLIDE THE WOODEN WING JOINERS (5mm x 10mm x 35mm) INTO THE SLOTS. ALLOW EPOXY TO CURE COMPLETELY.



□ 內外翼連接斷面與連接槽用AB膠黏合固定。

□ APPLY EPOXY TO THE AREAS WHERE THE MAIN WING AND THE OUTER WINGS ARE JOINED TOGETHER. CAREFULLY SLIDE IN THE OUTER WINGS AND ENSURE THEY ARE PROPERLY ALIGNED WITH THE MAIN WING. USE MASKING TAPE TO HOLD THE WING JOINTS TOGETHER.



☞注意:

內外翼接合時可使用遮蓋膠帶暫時固定,待膠乾後,再將膠帶小心移除。

NOTE:

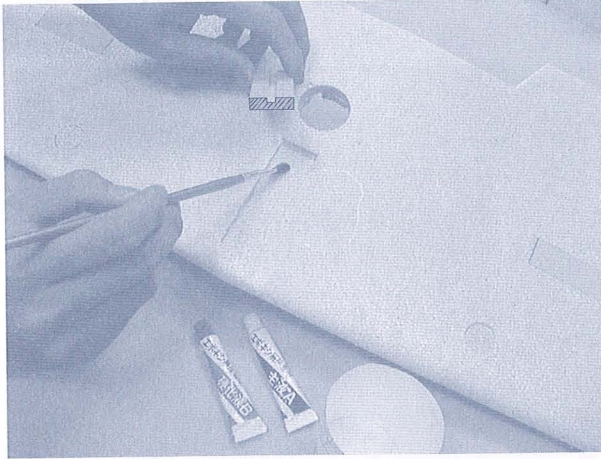
USING MASKING TAPE TO HOLD THE WING JOINTS TOGETHER WHILE THE EPOXY CURES IS HELPFUL, HOWEVER, THE MASKING TAPE MAY ALTER THE FINISH.



ASSEMBLING THE WINGS

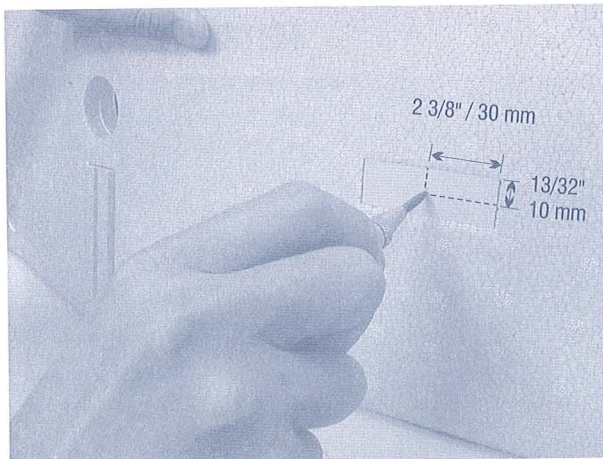
□ 使用AB膠將“主翼固定座(木塊)”黏著於主翼底部定位內。

□ APPLY EPOXY TO THE RECESSED AREA ON THE BOTTOM OF THE MAIN WING AND INSTALL THE WING MOUNTING BLOCK.



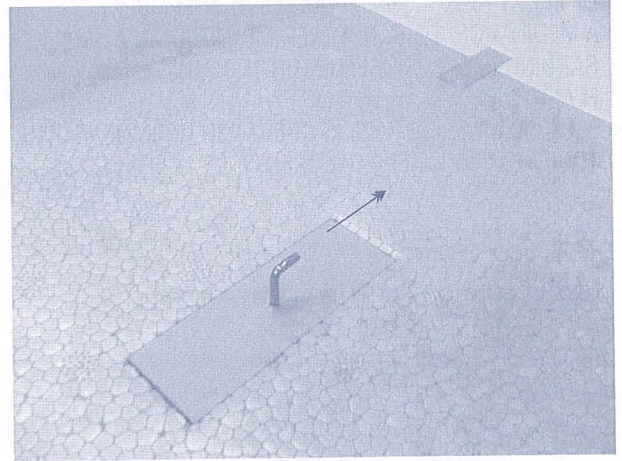
□ 取一片厚2.7mm合板(寬:20mmx長:60mm), 使用AB膠黏著於主翼底部右側定位內, 待膠乾後, 用小錐子於合板中心處鑽一個約1mm小洞, 如下圖所示. 左側同此步驟。

□ APPLY EPOXY TO THE PLYWOOD BLOCKS (2 3/8" x 13/32" / 2.7mm x 20mm x 60mm) AND INSTALL IN THE RECESSES ON THE BOTTOM OF THE WING. ALLOW EPOXY TO CURE COMPLETELY. MEASURE THE LOCATION FOR INSTALLING THE L-HOOK IN THE CENTER OF THE BLOCK AND MARK FOR DRILLING.



□ 鎖上“L”型鉤。(左右兩側鉤子朝外)

□ DRILL A 1/16" PILOT HOLE IN THE CENTER OF BOTH PLYWOOD BLOCKS. INSTALL L-HOOKS INTO BOTH BLOCK AND ENSURE THAT THE HOOKS FACE OUTWARD TOWARD THE WING TIPS..

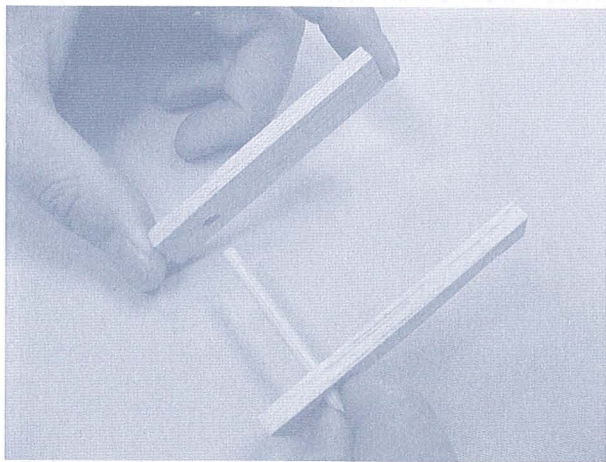




ASSEMBLING THE MOTOR MOUNT & FUSELAGE

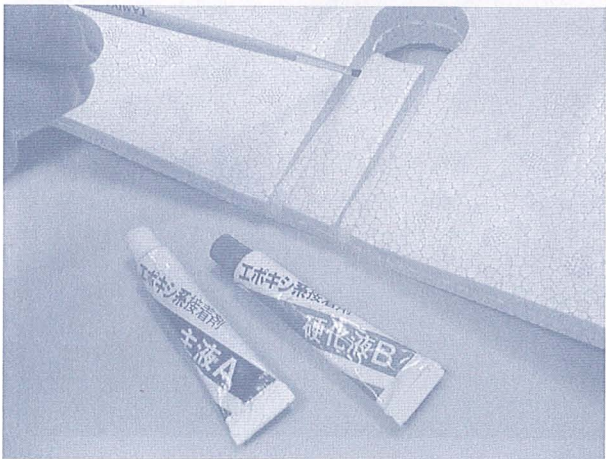
□ 請先將馬達座組裝, 但不要先上膠.

□ ASSEMBLE THE MOTOR MOUNT, BUT DO NOT GLUE TOGETHER.



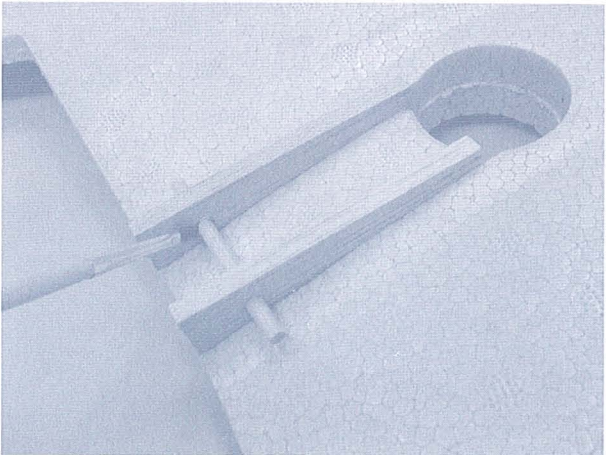
□ "馬達固定座" 用AB膠黏著於主翼頂部定位內.

□ APPLY EPOXY TO MOTOR MOUNT RECESSES LOCATED IN THE CENTER OF THE WING AND INSTALL THE MOTOR MOUNT.



□ 小圓棒用AB膠固定於"馬達固定座"上.

□ APPLY EPOXY TO THE DOWEL.



□ 使用AB膠將機身黏合. (可使用遮蓋膠帶暫時固定)

□ GLUE FUSELAGE HALVES TOGETHER WITH EPOXY. USE MASKING TAPE TO HOLD THE FUSELAGE TOGETHER.



注意:

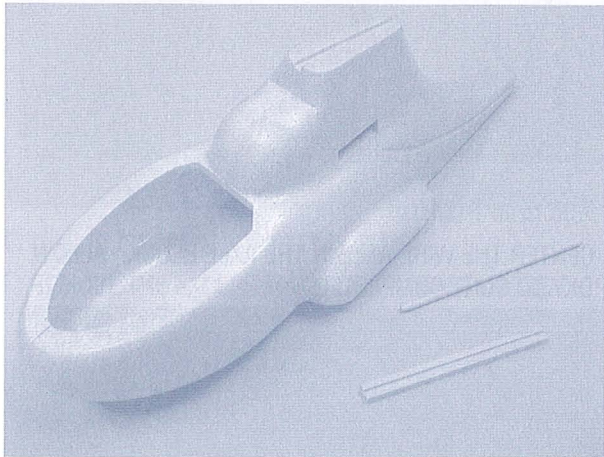
內外翼接合時可使用遮蓋膠帶暫時固定, 待膠乾後, 再將膠帶小心移除.

NOTE:

USING MASKING TAPE TO HOLD THE FUSELAGE TOGETHER WHILE THE EPOXY CURES IS HELPFUL, HOWEVER, THE MASKING TAPE MAY ALTER THE FINISH.

□ 待膠乾後, 小心移除遮蓋膠帶.

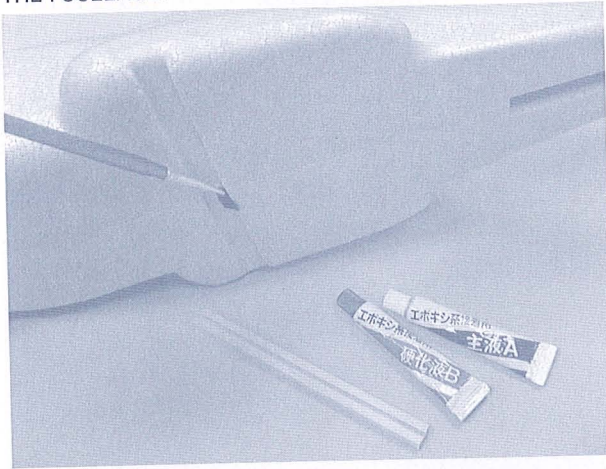
□ ALLOW EPOXY TO CURE COMPLETELY. CAREFULLY REMOVE THE MASKING TAPE.



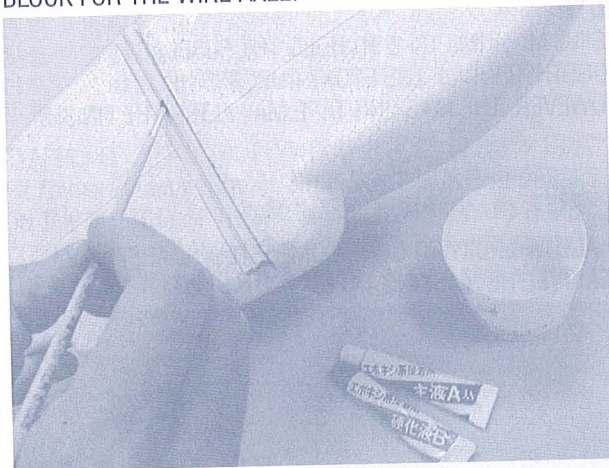
ASSEMBLING THE FUSELAGE



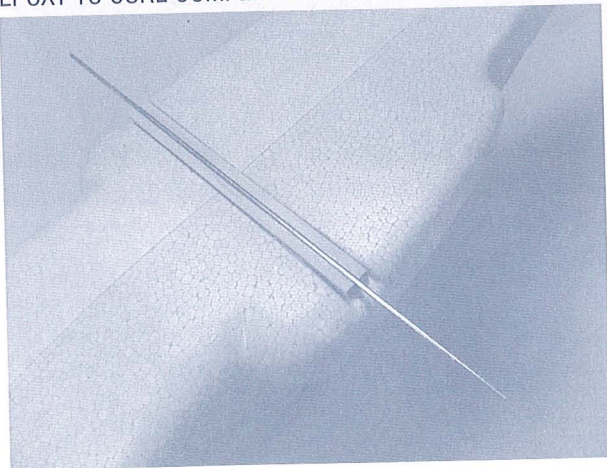
- “輪架座”用AB膠固定於機身底部定位內。
- APPLY EPOXY INTO THE RECESS ON THE BOTTOM OF THE FUSELAGE.



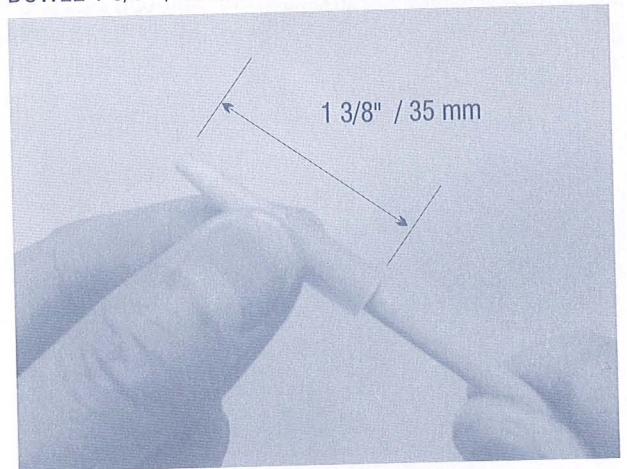
- 主輪軸用AB膠黏著於“輪架座”凹槽內。
- INSTALL THE AXLE BLOCK. APPLY EPOXY TO THE AXLE BLOCK FOR THE WIRE AXLE.



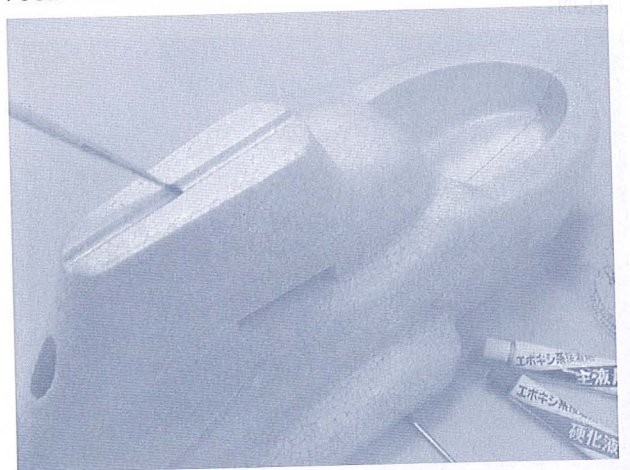
- 完成後如下圖所示。
- CENTER THE WIRE AXLE IN THE AXLE BLOCK. ALLOW EPOXY TO CURE COMPLETELY.



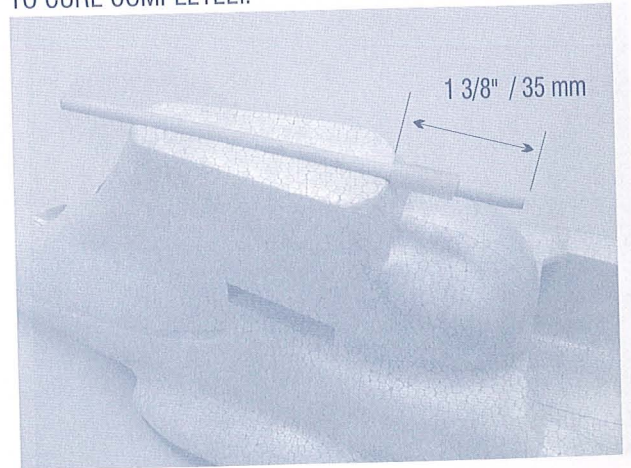
- 於直徑5mm圓木棒套上矽膠軟管。
- SLIDE THE SILICONE TUBE ONTO THE WING ANCHOR DOWEL 1 3/8" / 35mm FROM THE TAPERED END.



- 使用AB膠將圓木棒固定於機身頂部定位內。
- APPLY EPOXY INTO THE RECESS ON THE TOP OF THE FUSELAGE.



- 完成後如下圖所示。
- INSTALL THE WING ANCHOR DOWEL. ALLOW EPOXY TO CURE COMPLETELY.





HINGING THE VERTICAL AND HORIZONTAL STABILIZERS

□ 使少量AB膠將活頁(共三片)黏著於升降舵上,待膠乾後再一併黏著於水平翼上.垂直翼活頁固定(共兩片)同此步驟.

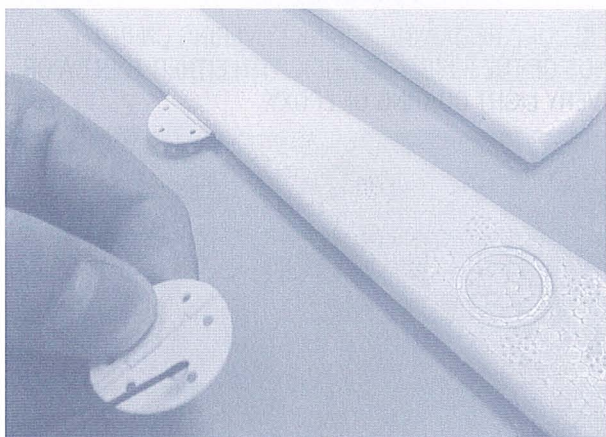
⊗注意:

上膠時請務必將溢膠處擦拭乾淨,確保活頁活動順暢.若活頁關節處不慎沾到AB膠,可使用酒精擦拭乾淨.

□ APPLY VERY SMALL AMOUNTS OF EPOXY TO THE ELEVATOR HINGES AND INSTALL IN THE SLOTS ON THE LEADING EDGE OF THE ELEVATOR. KEEP HINGE PIVOT POINTS FREE OF EPOXY AND CENTERED TO ENSURE FULL MOVEMENT. ALLOW EPOXY TO CURE COMPLETELY.

NOTE:

USE VERY SMALL AMOUNTS OF EPOXY WHEN INSTALLING THE HINGES. IF EPOXY GETS INTO THE HINGE POINTS, CLEAN OFF THE EPOXY WITH RUBBING ALCOHOL.

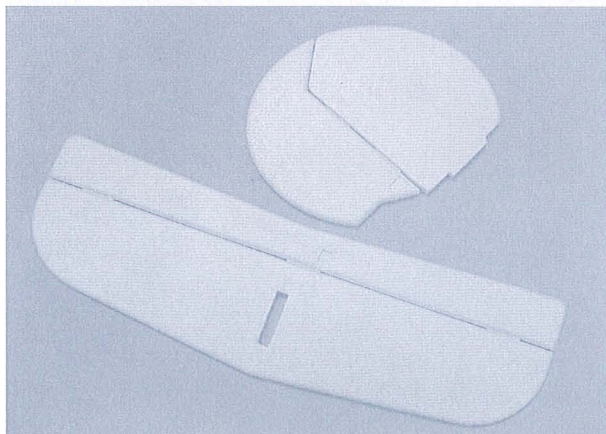


□ 完成後如下圖所示.

□ APPLY SMALL AMOUNTS OF EPOXY TO THE OTHER SIDE OF THE HINGES ON THE ELEVATOR AND ATTACH TO THE HORIZONTAL STABILIZER. KEEP HINGE POINTS FREE OF EPOXY. ALLOW EPOXY TO CURE COMPLETELY. REPEAT THE LAST TWO ASSEMBLY STEPS TO ATTACH THE RUDDER TO THE VERTICAL STABILIZER.

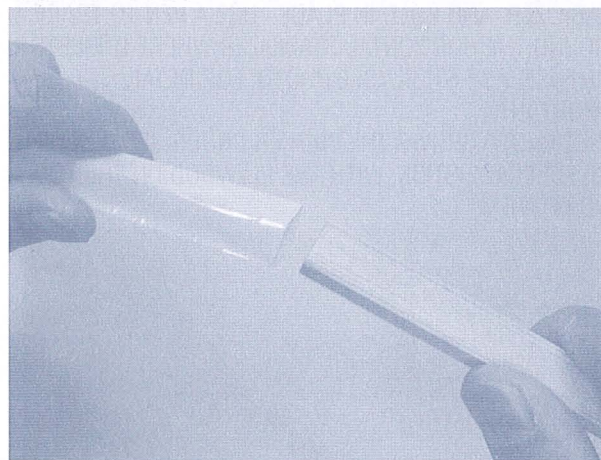
NOTE:

ENSURE THAT THE RECESS FOR THE ELEVATOR CONTROL HORN IS FACING UP AND THE RECESS FOR THE FUSELAGE STICK IS FACING DOWN WHEN ATTACHING THE ELEVATOR TO THE HORIZONTAL STABILIZER.



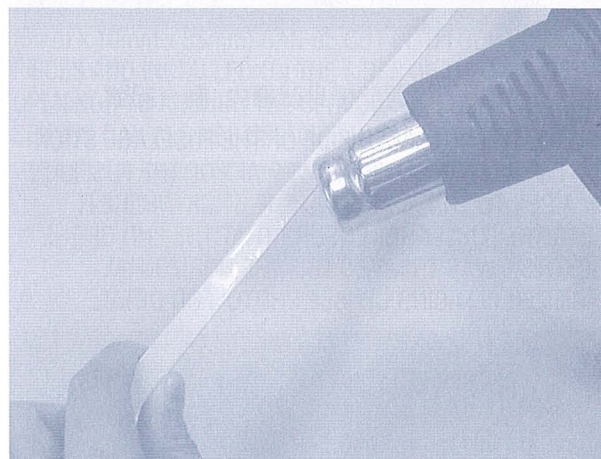
□ 將機身尾桿全部套入黃色熱縮膜.

□ CENTER THE YELLOW SHRINK COVERING ON THE FUSELAGE STICK.



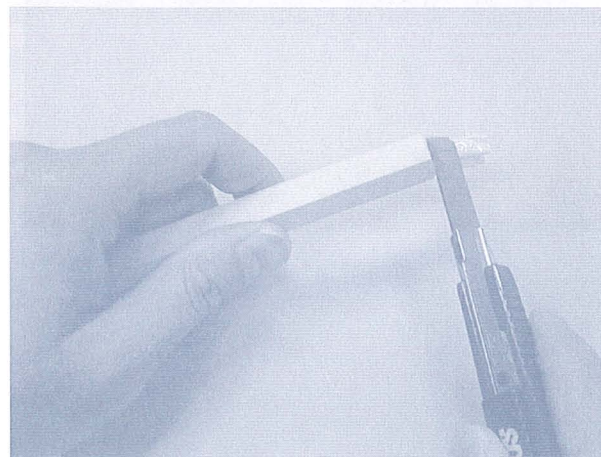
□ 使用熱風槍(吹風機)以中低溫度小心吹整,直到熱縮膜完全收縮.

□ SHRINK IT WITH A HEAT GUN. BE CAREFUL WITH THE HEAT GUN. THE MATERIAL SHRINKS FAST AND CAN EASILY SPLIT WITH TOO MUCH HEAT.



□ 用美工刀割除兩端剩餘之熱縮膜.

□ REMOVE THE EXCESS MATERIAL FROM EACH END.





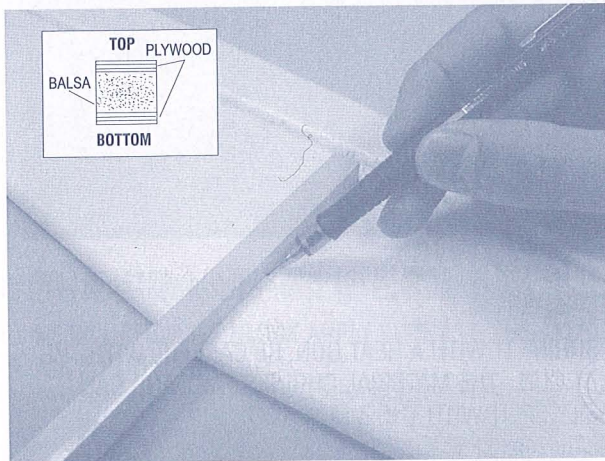
INSTALLING THE TAIL

□ 請根據下圖尾桿斷面圖位置，將機身尾桿置於水平翼凹槽內，劃一記號。

□ PLACE THE FUSELAGE STICK ON THE HORIZONTAL STABILIZER AND HOLD IN PLACE. USE A PEN TO TRACE AROUND THE HORIZONTAL STABILIZER WHERE IT MEETS THE FUSELAGE STICK. SEE PHOTO FOR DETAIL.

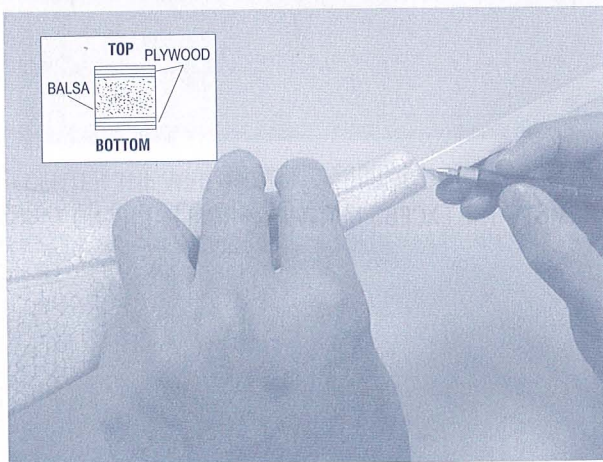
IMPORTANT:

INSET PHOTO SHOWS THE PROPER CROSS-SECTION OF THE FUSELAGE STICK, WITH THE PLYWOOD ON THE TOP AND BOTTOM.



□ 機身尾桿另一端置於機身凹槽內，劃一記號。

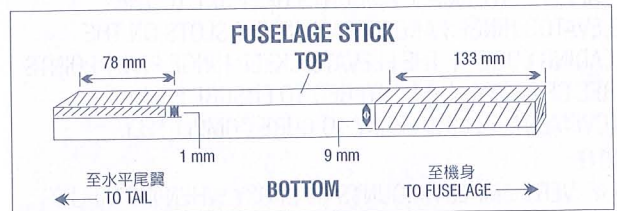
□ PLACE THE UNTRACED SIDE OF THE FUSELAGE STICK INTO THE RECESS ON THE LOWER AFT OF THE FUSELAGE. USE A PEN TO TRACE AROUND THE STICK WHERE IT MEETS THE FUSELAGE. ENSURE THAT THE END OF THE STICK THAT WAS TRIMMED FOR THE HORIZONTAL STABILIZER IS FACING UP. SEE PHOTO FOR DETAIL.



□ 請根據記號或下圖尺寸以美工刀割除外覆之熱縮膜。

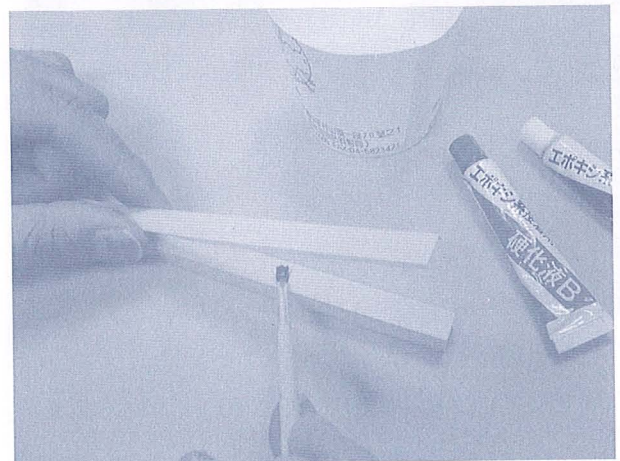
⊗ 注意：
施工時請務必小心，勿傷及木頭表面

□ USE A SHARP HOBBY KNIFE TO CAREFULLY CUT AWAY THE SHRINK COVERING INSIDE THE LINES MARKED IN PREVIOUS 2 STEPS. DO NOT CUT INTO THE WOOD.



□ 機身尾桿兩端之熱縮膜使用AB膠黏著。

□ SECURE REMAINING SHRINK COVERING ON BOTH ENDS OF THE FUSELAGE STICK WITH EITHER THIN CA OR A VERY LIGHT COATING OF EPOXY.



□ 機身尾桿用AB膠固定於水平尾翼定位內。

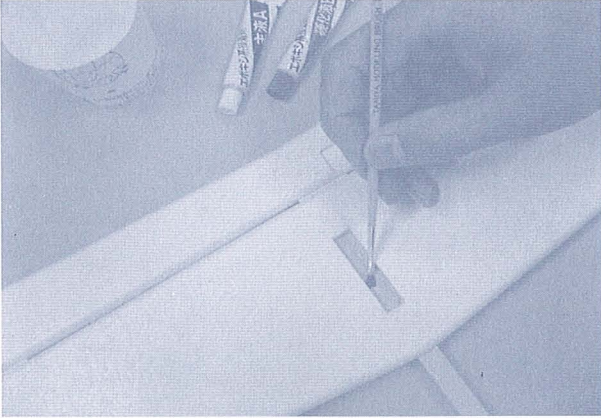
□ APPLY EPOXY TO THE RECESS ON THE HORIZONTAL STABILIZER AND INSTALL THE FUSELAGE STICK. ENSURE THAT THE FUSELAGE STICK AND HORIZONTAL STABILIZER ARE 90 DEGREES TO EACH OTHER. ALLOW EPOXY TO CURE COMPLETELY.



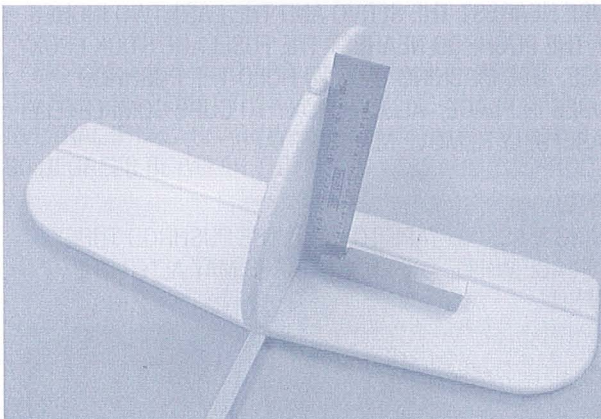


INSTALLING THE TAIL

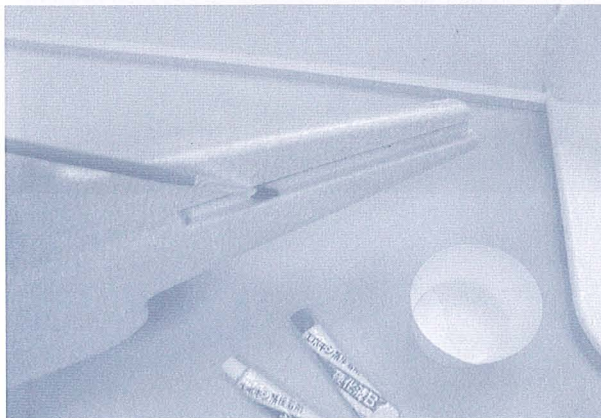
- 垂直翼與水平翼呈90度角,用AB膠接著固定.
- APPLY EPOXY TO RECESS ON THE HORIZONTAL STABILIZER AND ONTO THE BOTTOM OF THE VERTICAL STABILIZER.



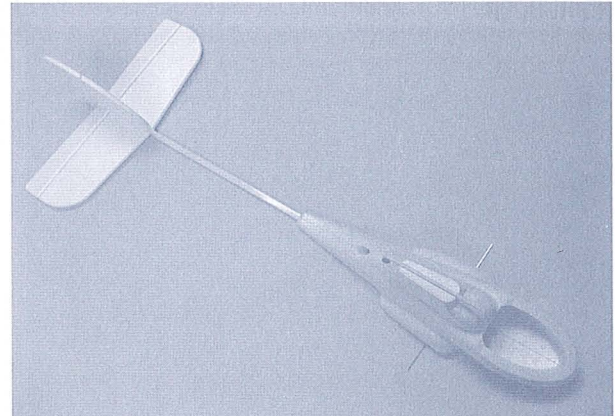
- 完成後如下圖所示.
- INSTALL VERTICAL STABILIZER INTO RECESS. ENSURE THE HORIZONTAL AND VERTICAL STABILIZERS ARE POSITIONED 90 DEGREES TO EACH OTHER. ALLOW EPOXY TO CURE COMPLETELY.



- 尾桿與尾翼組合完成後,使用AB膠固定於機身定位內.
- APPLY EPOXY INTO THE RECESS ON THE BOTTOM AFT END OF THE FUSELAGE AND INSTALL THE FUSELAGE STICK. ALLOW EPOXY TO CURE COMPLETELY.

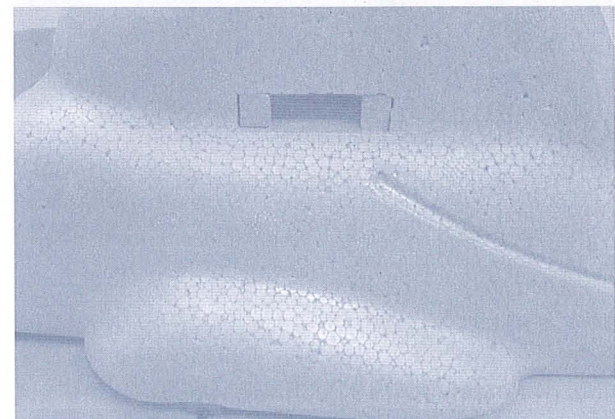


- 完成後如下圖所示.
- SEE PHOTO FOR DETAIL.



- 請根據伺服機尺寸,裁切伺服機固定木塊(請使用5mmx10mmx35mm木塊裁切),使用AB膠黏著固定.待膠乾後再將伺服機鎖上.

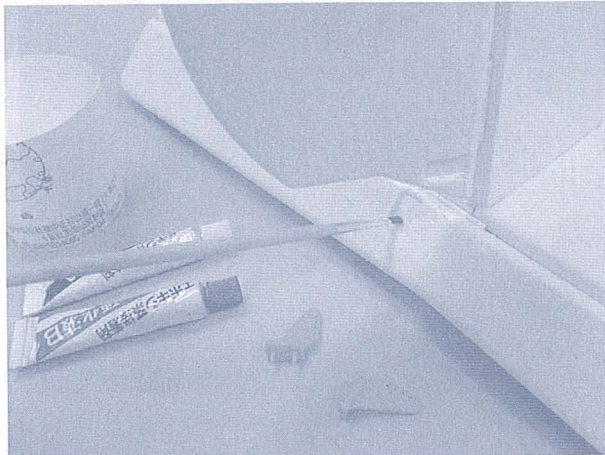
- TEST FIT THE ELEVATOR AND RUDDER SERVOS IN THE OPENINGS ON THE SIDES OF THE FUSELAGE. THE SIZE OF THE OPENINGS MAY NEED TO BE INCREASED TO ACCOMMODATE THE SERVOS. ONE OF THE Balsa PIECES (5mm x 10mm x 35mm) CAN BE CUT INTO FOUR EQUAL PIECES AND INSTALLED ON THE SIDES OF THE SERVO OPENINGS TO ANCHOR THE SERVOS WITH SCREWS. THE SERVOS CAN ALSO BE SECURED IN PLACE WITH EPOXY.





INSTALLING THE LINKAGES

- 舵角片用AB膠固定於升降舵與方向舵定位上。
- APPLY EPOXY TO THE RECESSES ON THE ELEVATOR AND RUDDER.

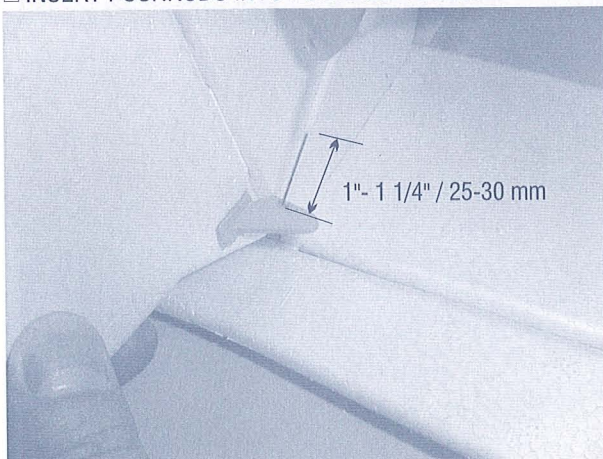


- 完成後如下圖所示。
- INSTALL THE CONTROL HORNS. ALLOW EPOXY TO CURE COMPLETELY. SEE PHOTO FOR DETAIL

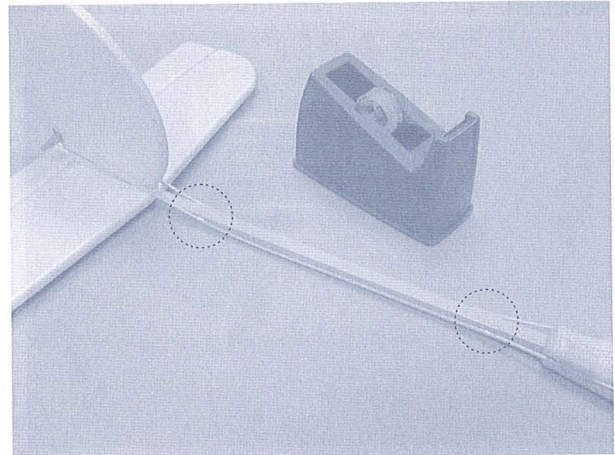


- 先將推桿鋼線套入白色套管後再將一端折有“Z”字的推桿鋼線，分別穿入方向舵與升降舵之舵角片孔位內。

- INSERT PUSHRODS INTO PUSHROD TUBES.



- 使用透明膠帶將白色推桿套管固定於機身尾桿兩側。
- USE TAPE TO SECURE PUSHROD TUBES TO THE FUSELAGE STICK.

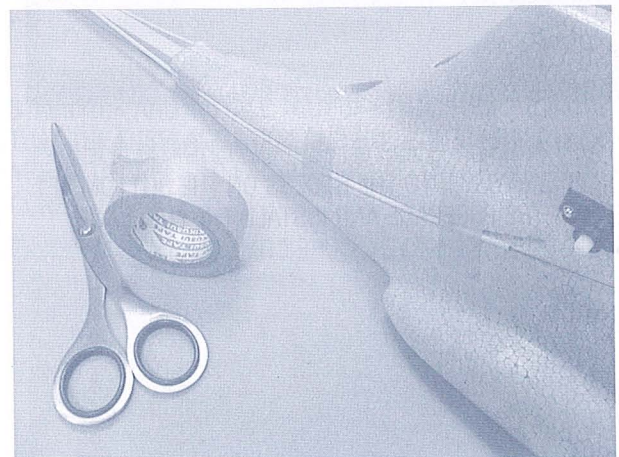


- 使用遮蓋膠帶暫時固定白色套管於機身兩側凹槽內，再用AB膠固定。

- EPOXY THE PUSHROD TUBES ONTO THE SIDES OF THE FUSELAGE. KEEP THE FIRST INCH OF THE PUSHROD TUBE NEAREST THE SERVO AND THE LAST TWO INCHES OF THE PUSHROD NEAREST THE FUSELAGE STICK EPOXY FREE. USE MASKING TAPE TO HOLD THE PUSHROD TUBES IN PLACE. ALLOW EPOXY TO CURE COMPLETELY. CAREFULLY REMOVE MASKING TAPE.

NOTE:

USING MASKING TAPE TO HOLD THE PUSHROD TUBES IN PLACE WHILE THE EPOXY CURES MAY ALTER THE FINISH.





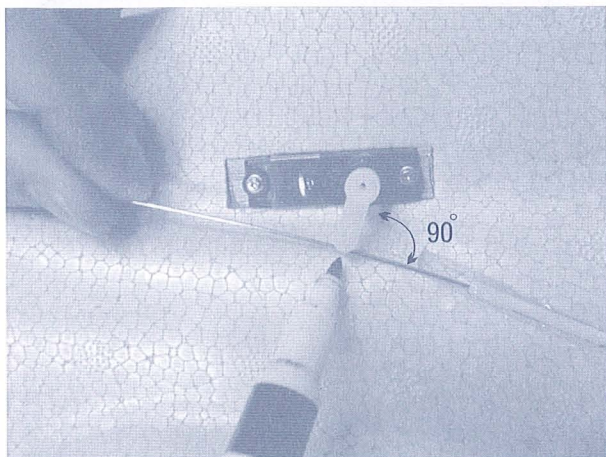
INSTALLING THE LINKAGES

□ 將升降舵面與方向舵面調整至水平與垂直位置後，用奇異筆於推桿鋼線折彎處做一記號。

☞注意：

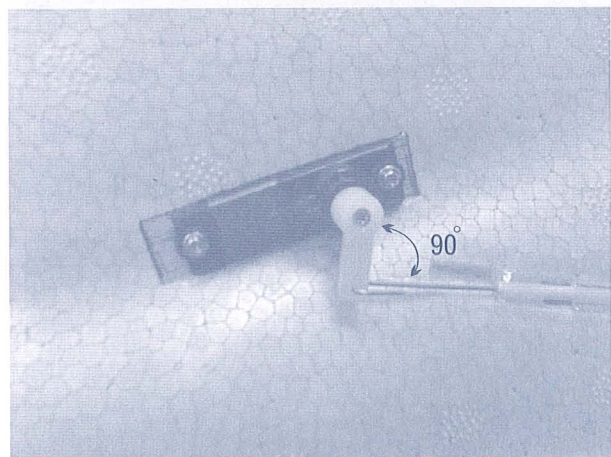
伺服機擺臂處於中立點時需和推桿鋼線呈90度角。

□ ADJUST THE ELEVATOR AND RUDDER SO THEY ARE ALIGNED WITH THE HORIZONTAL AND VERTICAL STABILIZERS .MAKE MARKS ON THE PUSHRODS WHERE THE PUSHRODS WILL CONNECT WITH SERVO ARMS.



□ 完成後如下圖所示。

□ ENSURE THE SERVO ARM AND PUSHROD ARE 90 DEGREES TO EACH OTHER . ADJUST THE SERVO ARM TO NEUTRAL IF NECESSARY. NEUTRAL IN THIS CASE BEING 90 DEGREES BETWEEN THE SERVO ARM AND PUSHROD.



□ 接收機與變速器用雙面膠固定於駕駛艙內側。
(變速器接線圖請參照第16頁)

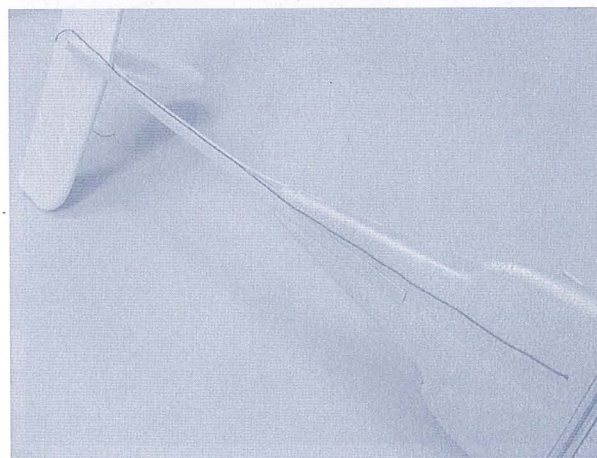
□ WE RECOMMEND INSTALLING INSIDE THE FUSELAGE THE SPEED CONTROL ON THE RIGHT AND THE RECEIVER ON THE LEFT. INSTALL THE BATTERY ON THE COCKPIT FLOOR. FASTEN ALL COMPONENTS INTO PLACE WITH VELCRO OR DOUBLE-SIDED TAPE.

☺ PLEASE REFER TO THE PAGE 16.



□ 接收機天線出口如下圖示。

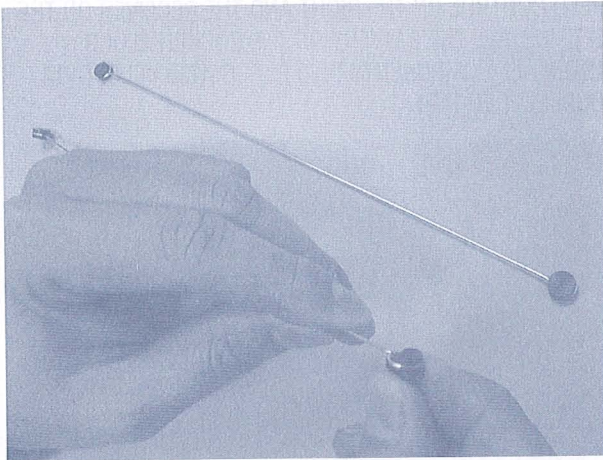
□ ATTACH THE RECEIVER ANTENNA TO THE BOTTOM OF THE FUSELAGE WITH TAPE. SEE PHOTO FOR DETAIL.



INSTALL THE WHEEL & ASSEMBLING THE PROPELLER

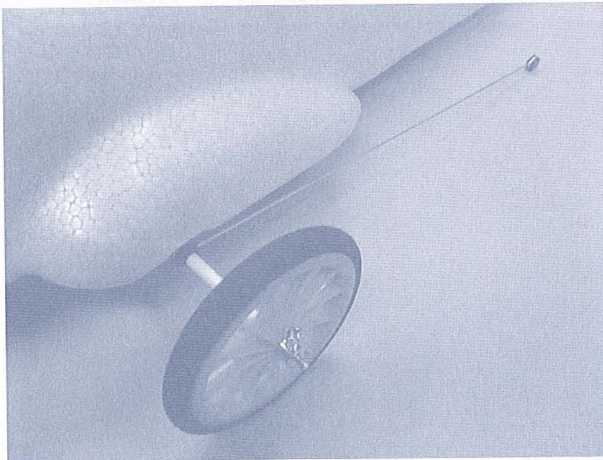


- 主翼支撐桿兩端套上橡皮塞。
- INSTALL THE FOUR RUBBER BUSHINGS ON THE ENDS OF THE TWO WING SUPPORT RODS.



- 輪胎組裝依序為：主翼支撐桿；輪軸套管；輪胎，最後再用輪擋固定。

- IN THE FOLLOWING ORDER, INSTALL THE WING SUPPORT RODS, PLASTIC SPACERS, WHEELS AND AXLE COLLARS, ONTO THE LEFT AND RIGHT SIDES OF THE AXLE.

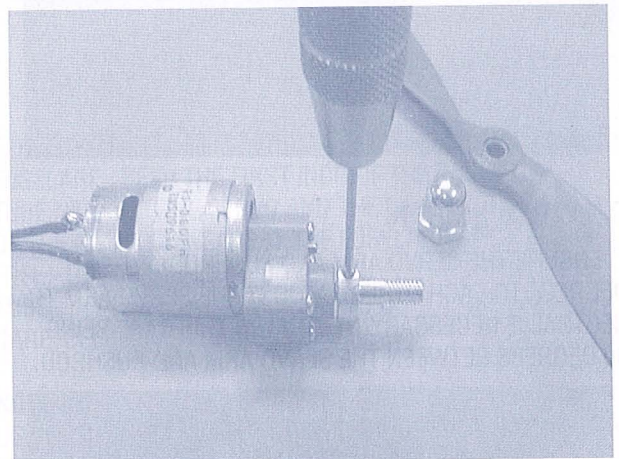


- 使用六角板手將鋁製主軸鎖於齒輪箱軸心上(請注意軸心上有研磨一平面, 3mm內六角螺絲須鎖緊於平面上)。螺旋槳組裝時請注意槳上8x4字樣需面向齒輪箱, 請勿裝反。

- SLIDE THE PROPELLER SHAFT ONTO THE ELECTRIC MOTOR SHAFT. THE FLANGE ON THE PROPELLER SHAFT HAS TWO TAPPED HOLES. POSITION ONE OF THESE HOLES OVER THE FLAT SIDE ON THE ELECTRIC MOTOR SHAFT. INSERT ALLEN SCREW AND TIGHTEN INTO THE SCREW HOLE OVER THE FLAT SIDE OF THE SHAFT. TEST FIT THE PROPELLER ON THE PROPELLER SHAFT. IT MAY BE NECESSARY TO CAREFULLY REAM A SMALL AMOUNT FROM THE CENTER OF THE PROPELLER IN ORDER TO FIT IT ONTO THE SHAFT. INSTALL THE PROPELLER ON THE SHAFT WITH THE PRINTING "8 x 4" FACING THE GEARBOX.

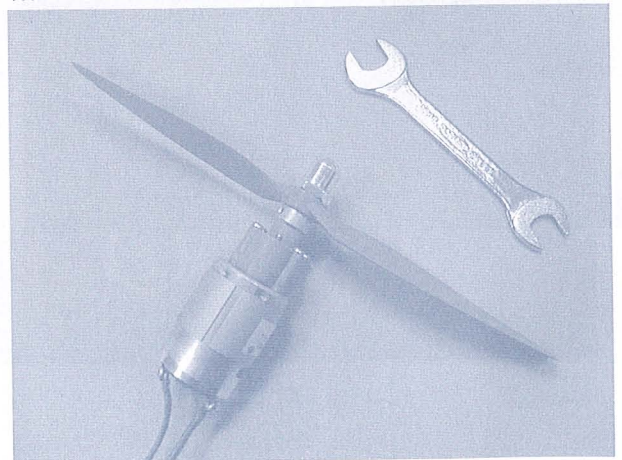
NOTE:

THE PRINTING "8 x 4" ON THE PROPELLER MUST FACE THE GEARBOX .



- 組裝完成後用扳手鎖緊。

- USE A WRENCH TO SECURE THE ALUMINUM NUT TO THE PROPELLER SHAFT.

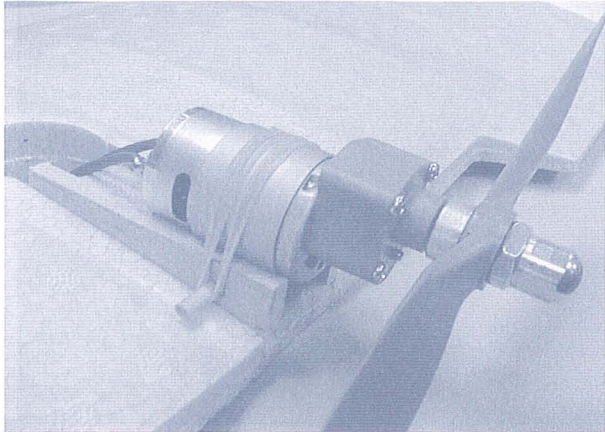




INSTALL THE MOTOR HOUSING & COCKPIT

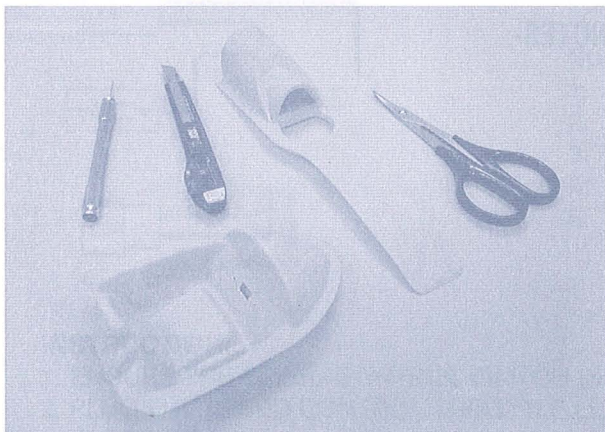
□ 將馬達組放置於馬達固定座上, 並用三條小橡皮筋固定. 放置角度請參照下圖.

□ SECURE THE ELECTRIC MOTOR TO THE MOTOR MOUNTS WITH THREE SMALL RUBBER BANDS.



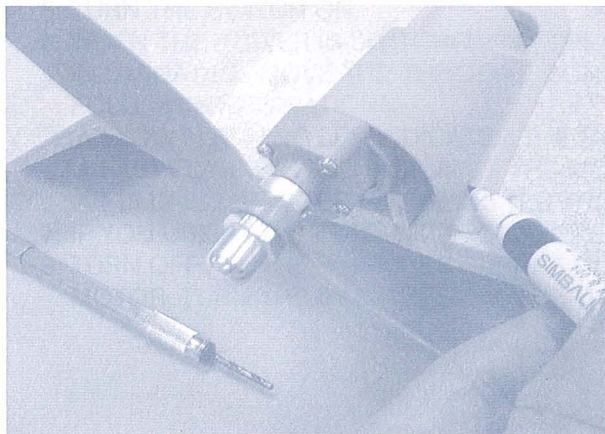
□ 使用模型專用彎曲剪刀與美工刀修整駕駛座與馬達罩.

□ TRIM EXCESS PLASTIC FROM THE COCKPIT AND COWLING AS NECESSARY.



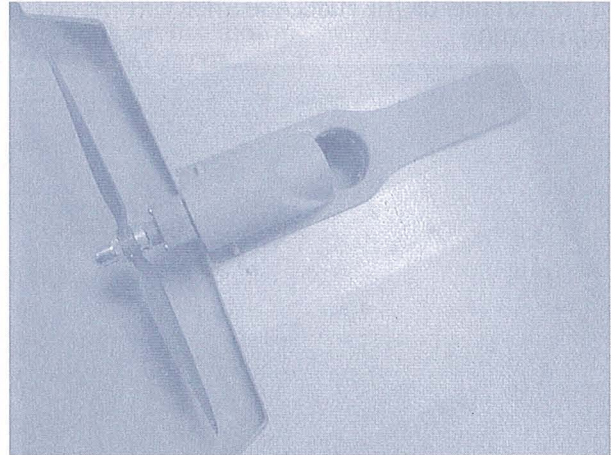
□ 請根據馬達座上之小圓棒位置, 於馬達罩兩側各鑽一個直徑3.5mm小洞.

□ DRILL 1/8" / 3.5mm HOLES THROUGH BOTH SIDE OF THE COWLING FOR ATTACHING THE COWLING TO THE MOTOR MOUNT DOWEL.



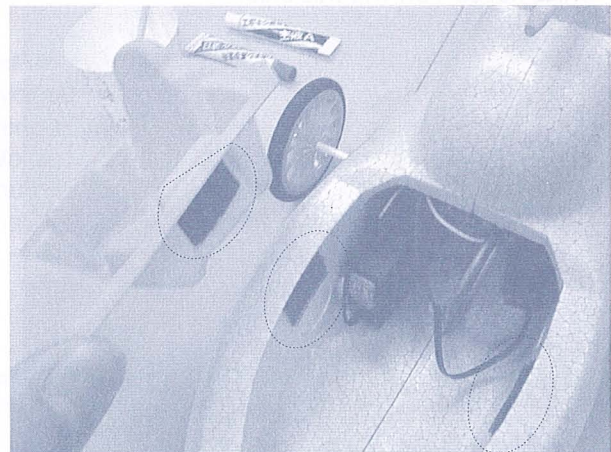
□ 完成後如下圖所示.

□ ATTACH THE COWLING TO THE MOTOR MOUNT.



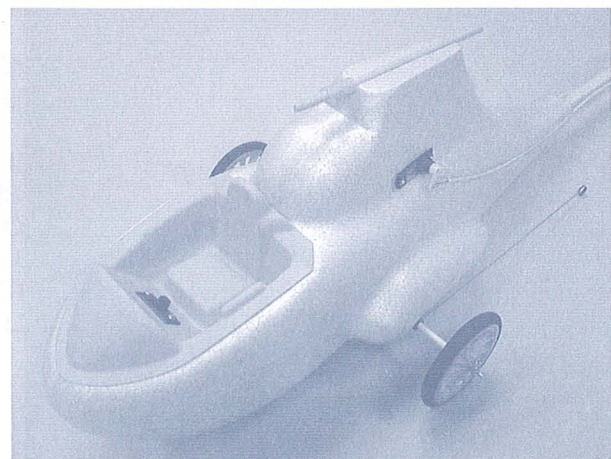
□ 駕駛座與機身內側用AB膠各黏上一小塊魔術氈帶, 用於固定駕駛座.

□ GLUE VELCRO TAPE ON BOTH SIDES OF THE COCKPIT FOR SECURING THE PILOT SEAT.



□ 電源開關裝設位置如下圖.

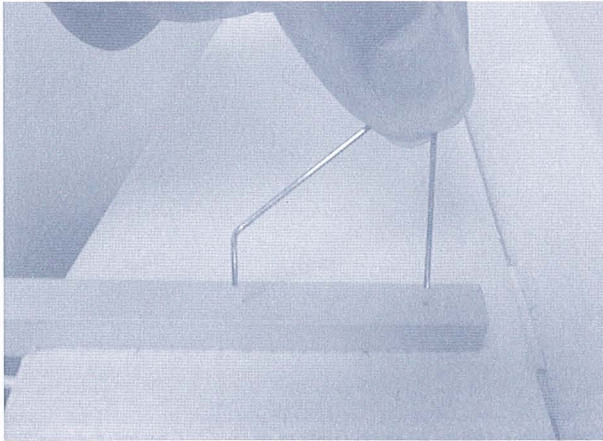
□ INSTALL THE SPEED CONTROL SWITCH IN THE COCKPIT AND SECURE IT WITH SCREWS. SEE PHOTO FOR DETAIL.



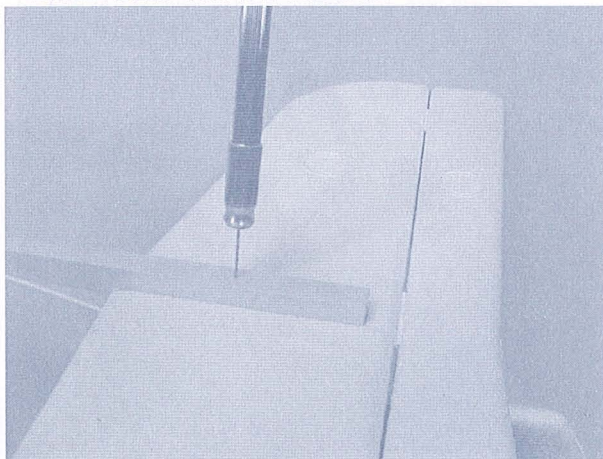
INSTALL THE TAIL SKID



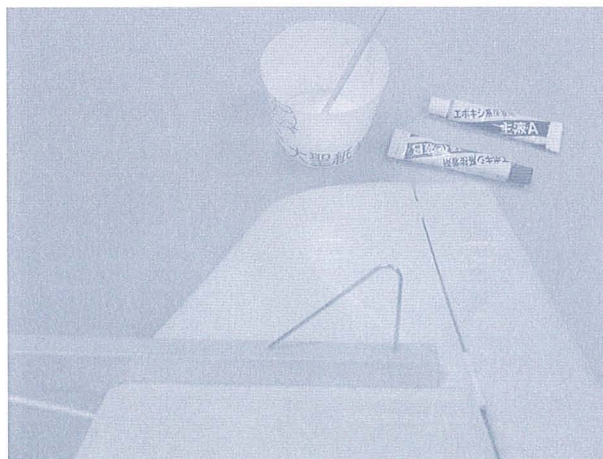
- 請依照尾架固定位置做出記號。
- USE THE TAIL SKID AS A GUIDE TO MARK TWO POINTS ON THE BOTTOM OF THE FUSELAGE STICK FOR THE TAIL SKID LOCATION.



- 根據記號用小錐子鑽出兩個小洞。
- DRILL HOLES FOR THE TAIL SKID.



- 使用AB膠將尾架固定於尾桿上。
- INSTALL THE TAIL SKID AND SECURE WITH EPOXY.



- 用兩條橡皮筋將主翼固定於機身上, 如下圖所示。
- USE TWO RUBBER BANDS TO SECURE MAIN WING ON FUSELAGE.

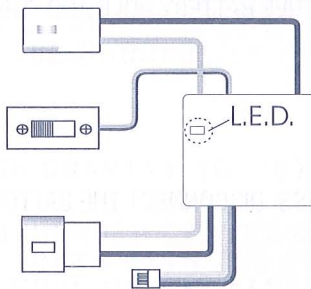
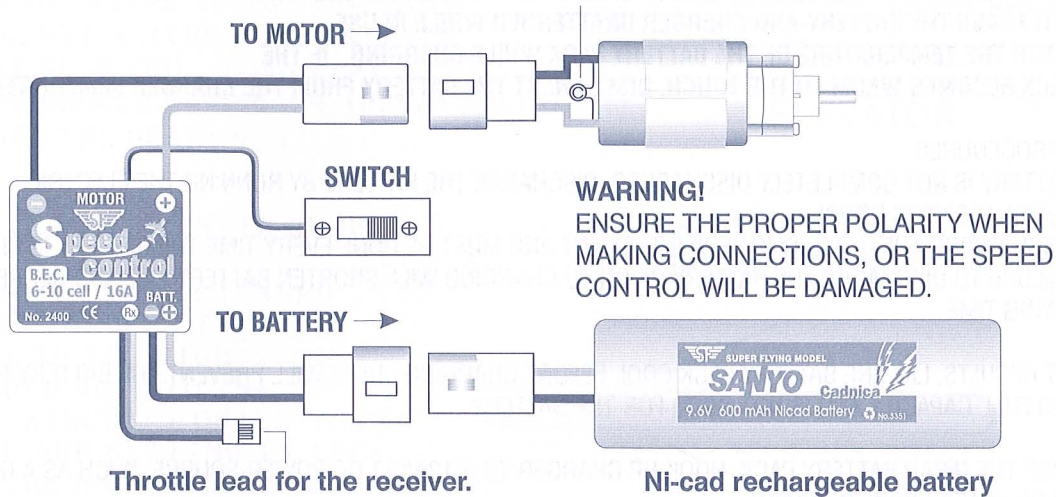


- IF DESIRED, DECALS INCLUDED WITH THE KIT CAN BE APPLIED TO THE SOARSTAR. REFER TO THE BOX FOR PLACEMENT OF THE DECALS

-NOTES-



0.02uf capacitor is pre-installed between the positive and negative leads on the motor. DO NOT REMOVE THE CAPACITOR.



Specification:

1. Input voltage: 6 to 10 cells, 7.2 to 12 volts.
2. Frequency: 2Khz.
3. BEC Voltage: 5 volts DC, 1500mA maximum.
4. Maximum current: 16 amps.
5. Thermal overload: Auto motor cut-off.

INSTRUCTION:

1. ENSURE THE SPEED CONTROL SWITCH IS OFF AND THE ELECTRIC MOTOR IS NOT CONNECTED.
2. PLUG THE SPEED CONTROL THROTTLE LEAD INTO THE THROTTLE SERVO RECEPTACLE ON THE RECEIVER.
3. TURN ON THE TRANSMITTER AND PLACE THE THROTTLE CONTROL STICK IN THE CENTER POSITION. IF YOU USE A COMPUTER TRANSMITTER, ADJUST THE THROTTLE ATV TO 100%.
4. CONNECT THE BATTERY PACK TO THE SPEED CONTROL. NOTE THE POSITIVE AND NEGATIVE LEADS. ENSURE PROPER POLARITY WHEN MAKING THE CONNECTION. INCORRECT POLARITY WILL DAMAGE THE SPEED CONTROL.
5. TURN THE SWITCH ON.
6. WHEN THE POWER IS SWITCHED ON, THE LED ON THE BACK OF THE SPEED CONTROL WILL BE ILLUMINATED. MOVE THE THROTTLE CONTROL UP OR DOWN. THE LED WILL PROVIDE THE FOLLOWING INDICATIONS:
 - *A SLOW FLASHING LED INDICATES THE MOTOR IS OFF.
 - *A FAST FLASHING LED INDICATES THE MOTOR IS AT PARTIAL THROTTLE.
 - *A FULLY ILLUMINATED LED INDICATES THE MOTOR IS AT FULL SPEED.
7. IF YOU USE A PCM TRANSMITTER, SET THE FAIL-SAFE MEMORY ON LOW SPEED.
8. TURN OFF ALL THE SWITCHES BEFORE CONNECTING THE MOTOR. AFTER CONNECTING THE MOTOR, TURN THE SWITCHES ON. THE THROTTLE WILL START FROM LOW SPEED.



👉 IMPORTANT:

PLEASE READ ALL OF THESE INSTRUCTIONS BEFORE CHARGING THE BATTERY.

IMPORTANT SAFETY TIPS TO REMEMBER WHEN CHARGING THE NiCAD BATTERY:

- * DO NOT CONNECT THE CHARGER TO AN AUTOMOBILE BATTERY WHILE THE ENGINE IS RUNNING.
- * DO NOT LEAVE THE BATTERY AND CHARGER UNATTENDED WHILE IN USE.
- * MONITOR THE TEMPERATURE OF THE BATTERY PACK WHILE CHARGING. IF THE

BATTERY PACK BECOMES WARM TO THE TOUCH, DISCONNECT THE BATTERY FROM THE CHARGER IMMEDIATELY.

CHARGING PROCEDURES

1. IF THE BATTERY IS NOT COMPLETELY DISCHARGED, DISCHARGE THE BATTERY BY RUNNING THE ELECTRIC MOTOR UNTIL IT SLOWS DOWN.

NOTE: DISCHARGING THE BATTERY IS VERY IMPORTANT AND MUST BE DONE EVERY TIME THE BATTERY IS CHARGED. FAILURE TO DISCHARGE THE BATTERY PRIOR TO CHARGING WILL SHORTEN BATTERY LIFE AND DECREASE FLYING TIME.

2. FOR BEST RESULTS, LET THE BATTERY PACK COOL BEFORE CHARGING. HEAT WILL PREVENT THE BATTERY FROM REACHING FULL CAPACITY AND IS NOT GOOD FOR THE BATTERY.

3. TO CHARGE THE NiCAD BATTERY PACK, HOOK UP CHARGER TO A 12 VOLT DC POWER SOURCE, SUCH AS A CAR BATTERY OR 12 VOLT POWER SUPPLY.

NOTE: BE SURE TO ATTACH THE RED ALLIGATOR CLIP OF THE CHARGER TO THE POSITIVE BATTERY POLE AND THE BLACK ALLIGATOR CLIP TO THE NEGATIVE POLE.

4. ATTACH NiCAD BATTERY TO CHARGER.

5. ROTATE TIMER SWITCH TO THE 30-MINUTE POSITION TO CHARGE THE BATTERY.

NOTE: IF AT ANYTIME THE BATTERY BECOMES WARM DURING THE CHARGING PROCESS, DISCONNECT THE BATTERY.

電池與充電器使用說明

👉使用前請詳閱此說明書

注意事項:

- *汽車引擎正在運轉時,請勿使用車用電源充電.
- *當電池充電時應隨時注意充電情況,勿置之不理.
- *如果充電過程中電池與充電器發生異常高溫現象,請立即停止充電動作.

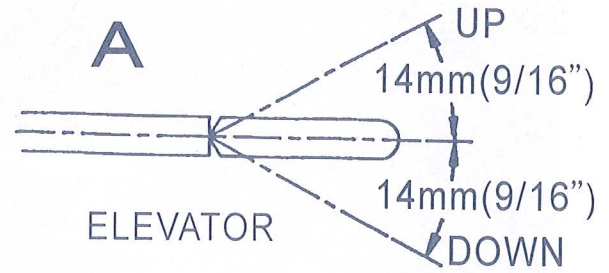
使用說明:

- 1.為使鎳鎘電池發揮最高效率,原廠建議電池充電前請先行放電.可減少電池"記憶效應"的產生.放電方法可藉由每次飛行後讓馬達繼續運轉直至馬達轉速變慢或停止運轉.
- 2.剛飛行後的電池溫度較高,請等待電池冷卻後再行充電,以延長電池壽命.可自行準備多顆電池備用,增加飛行樂趣.
- 3.直流充電器電源可使用 DC-12V鉛酸電瓶或電源供應器.注意輸入電壓極性請勿接反.
- 4.充電時請將定時開關旋轉至30分鐘位置,並隨時注意充電器與電池溫度變化,為求安全考量,必要時請停止充電動作.

ADDITIONAL INSTRUCTION : FOR SOARSTAR EP-9

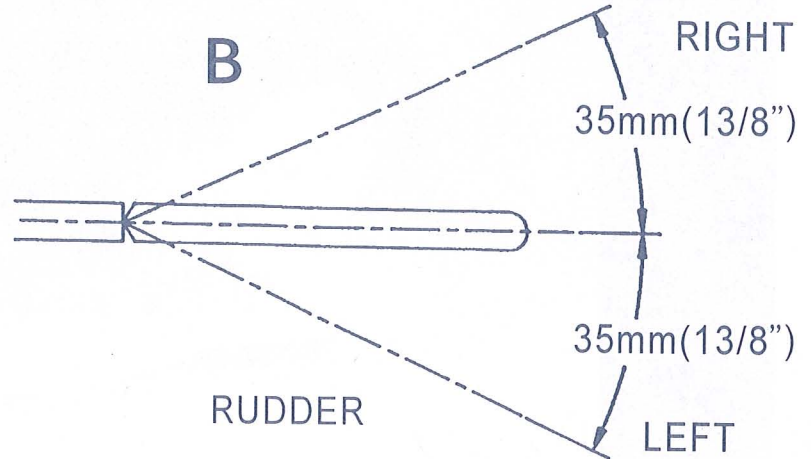
HORIZONTAL STABILIZER WITH ELEVATOR :

WITH THE RADIO SYSTEM TURNED ON, MOVE THE ELEVATOR STICK (THE RIGHT STICK) UPWARD (AWAY FROM YOU , DOWN ELEVATOR) . THE ELEVATOR SHOULD MOVE DOWN APPROXIMATELY SIZE - PLS SEE THE DRAWING A.



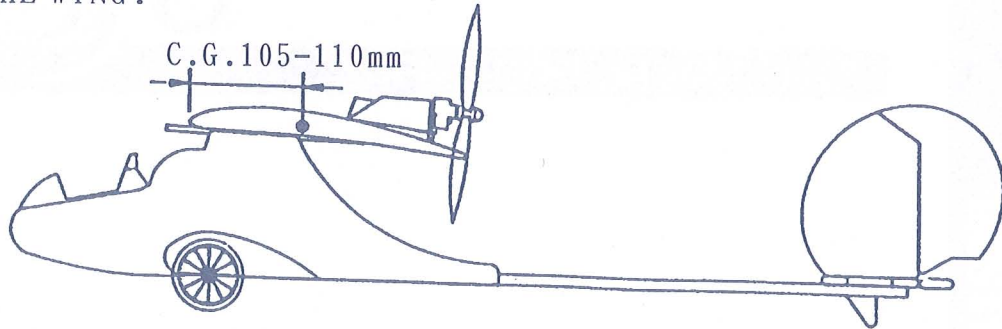
VERTICAL STABILIZER WITH RUDDER :

WITH THE RADIO SYSTEM TURNED ON, MOVE THE RUDDER STICK (THE LEFT STICK) TO THE RIGHT. THE RUDDER SHOULD MOVE TO THE LEFT (REMEMBER, AIRCRAFT ORIENTATION IS AS IF YOU ARE SITTING IN THE COCKPIT) . THE RUDDER SHOULD MOVE APPROXIMATELY SIZE - PLS SEE OUR DRAWING B, MEASURED AT THE TRAILING EDGE OF THE RUDDER.



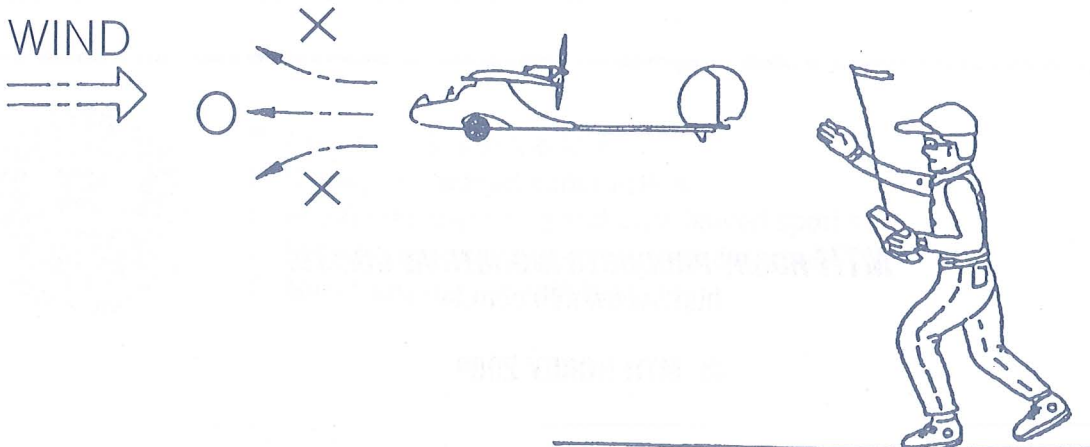
CENTRE OF GRAVITY (C , G)

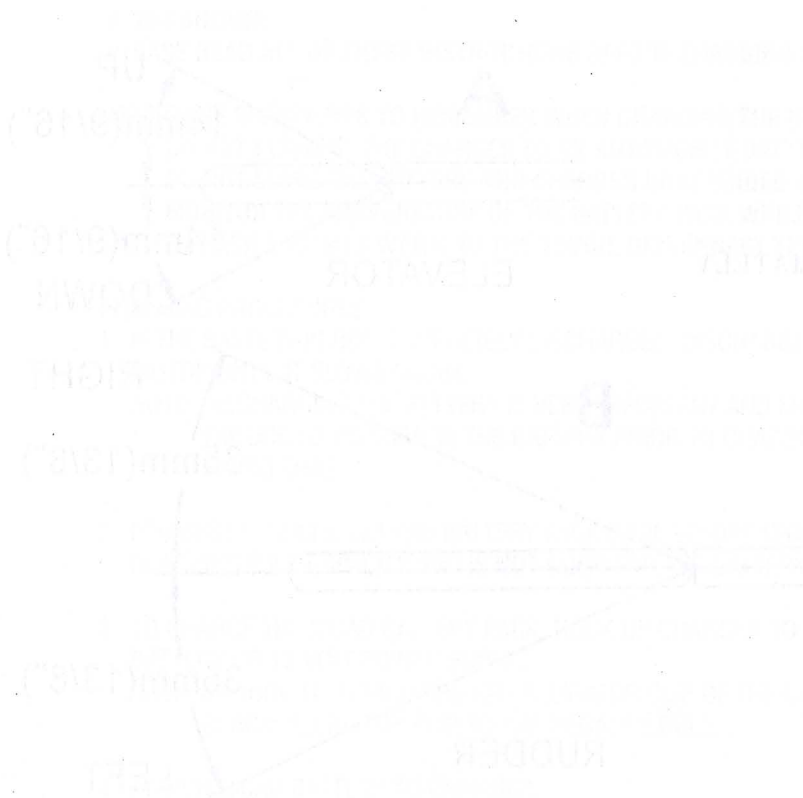
THE RECOMMENDED CENTER OF GRAVITY (C . G) LOCATION FOR THE FIRST FLIGHTS WITH THE SOARSTAR IS 105-110MM FROM THE LEADING EDGE OF THE WING.



WIND DIRECTION :

THE CORRECT HANDLING LAUNCH FLYING ANGLE IS HORIZONTAL THROW OUT, IT MUST IN THE EYES OF THE WIND TAKE OFF OR LANDING .





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<http://www.mth.com.tw>

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