



Willy Nillies

HOBBIES & CRAFTS

[www.willynillies.com](http://www.willynillies.com)



**SUPER SPORT SPECIAL EDITION  
UPGRADE PACKAGE SPECIAL PARTS  
BUILD MANUAL**

# PREFACE

THANK YOU FOR PURCHASING YOUR NEW  
WILLYNILLIES.COM SUPER SPORT S.E. UPGRADE  
PACKAGE. THIS KIT WILL GIVE YOUR WILLYNILLIES.COM  
SUPER SPORT MK2 A NEW  
AND DISTINCTIVE STYLE.

THIS IS A COMPILATION OF INDIVIDUAL MANUALS FOR  
ALL OF THE THERMO FORMED PARTS INCLUDED  
IN THE SUPER SPORT SE UPGRADE PACKAGE. EACH PART  
IS ALSO AVAILABLE FOR PURCHASE INDIVIDUALLY.

READ THROUGH THE MANUALS, TAKE YOUR TIME,  
AND YOU WILL HAVE AN ENJOYABLE BUILD, BEAUTIFUL  
NEW PRODUCTS, AND GREAT LOOKING ACCESSORIES  
TO ADD TO YOUR WILLYNILLIES.COM SUPER SPORT.

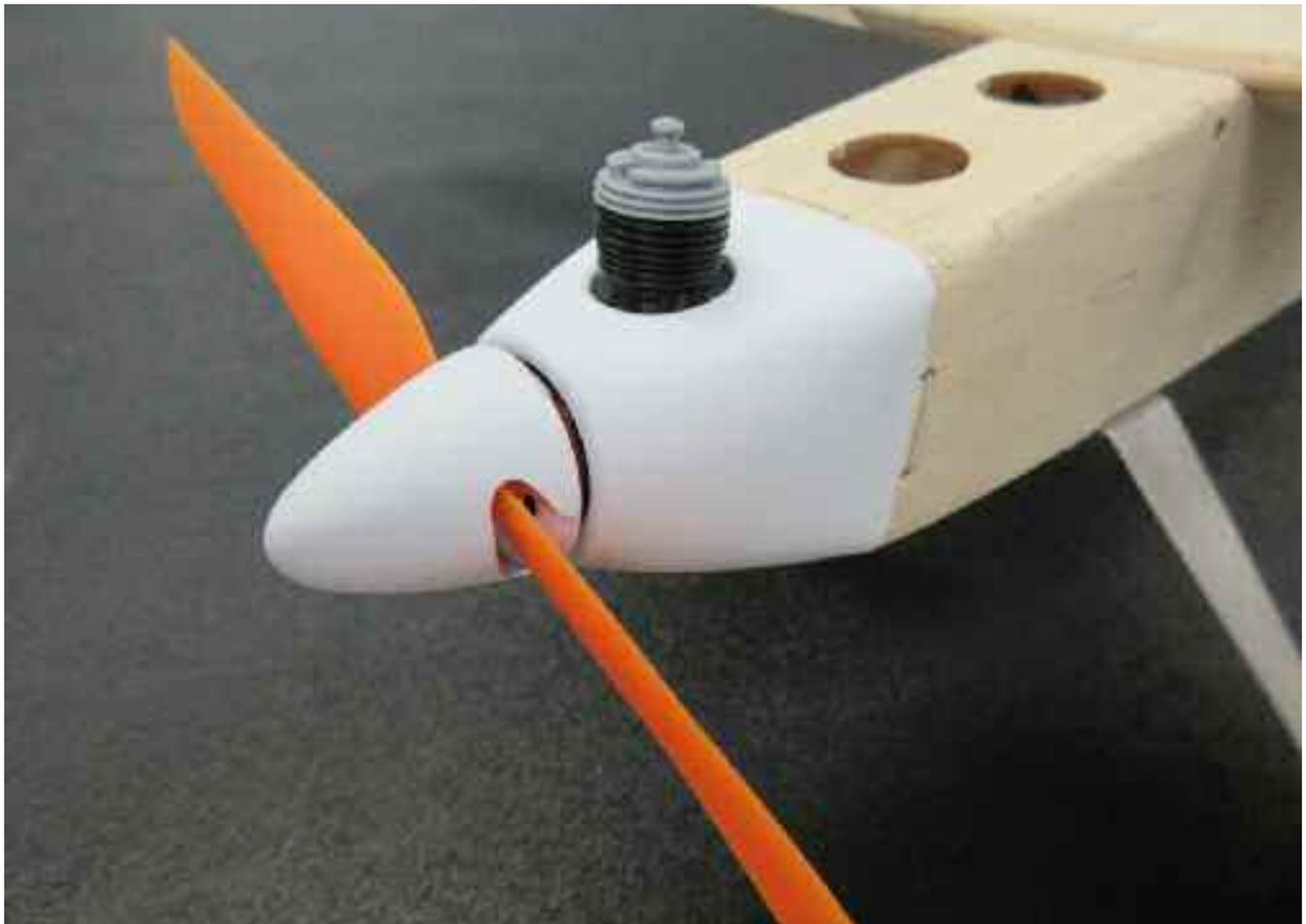
BE SURE TO LOOK FOR OUR OTHER ACCESSORIES,  
AND PLEASE GIVE US YOUR FEEDBACK AT  
WILLYNILLIES.COM.



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**WILLY NILLIES.COM**  
**SUPER SPORT COWL**  
**AND**  
**SPINNER BUILD MANUAL**

# PREFACE

THANK YOU FOR PURCHASING YOUR NEW WILLYNILLIES.COM SUPER SPORT COWL AND SPINNER KIT. THIS COWL WAS SPECIFICALLY DESIGNED TO BE USED WITH RACERSTAR BL 1806 MOTOR USING THE PEE WEE / 1306 MOUNT. ALL AVAILABLE FOR PURCHASE AT WILLYNILLIES.COM. THIS COWL WILL, HOWEVER, FIT MANY OTHER WILLYNILLIES.COM AIRPLANES WITH 40mm X 44mm.

THE COWL AND SPINNER ARE QUICK AND EASY TO PREPARE FOR USE AND INSTALL. READ THROUGH THIS MANUAL, TAKE YOUR TIME, AND YOU WILL HAVE AN ENJOYABLE BUILD AND A BEAUTIFUL FINAL PRODUCT.

BE SURE TO LOOK FOR OUR OTHER ACCESSORIES, AND PLEASE GIVE US YOUR FEEDBACK AT WILLYNILLIES.COM.

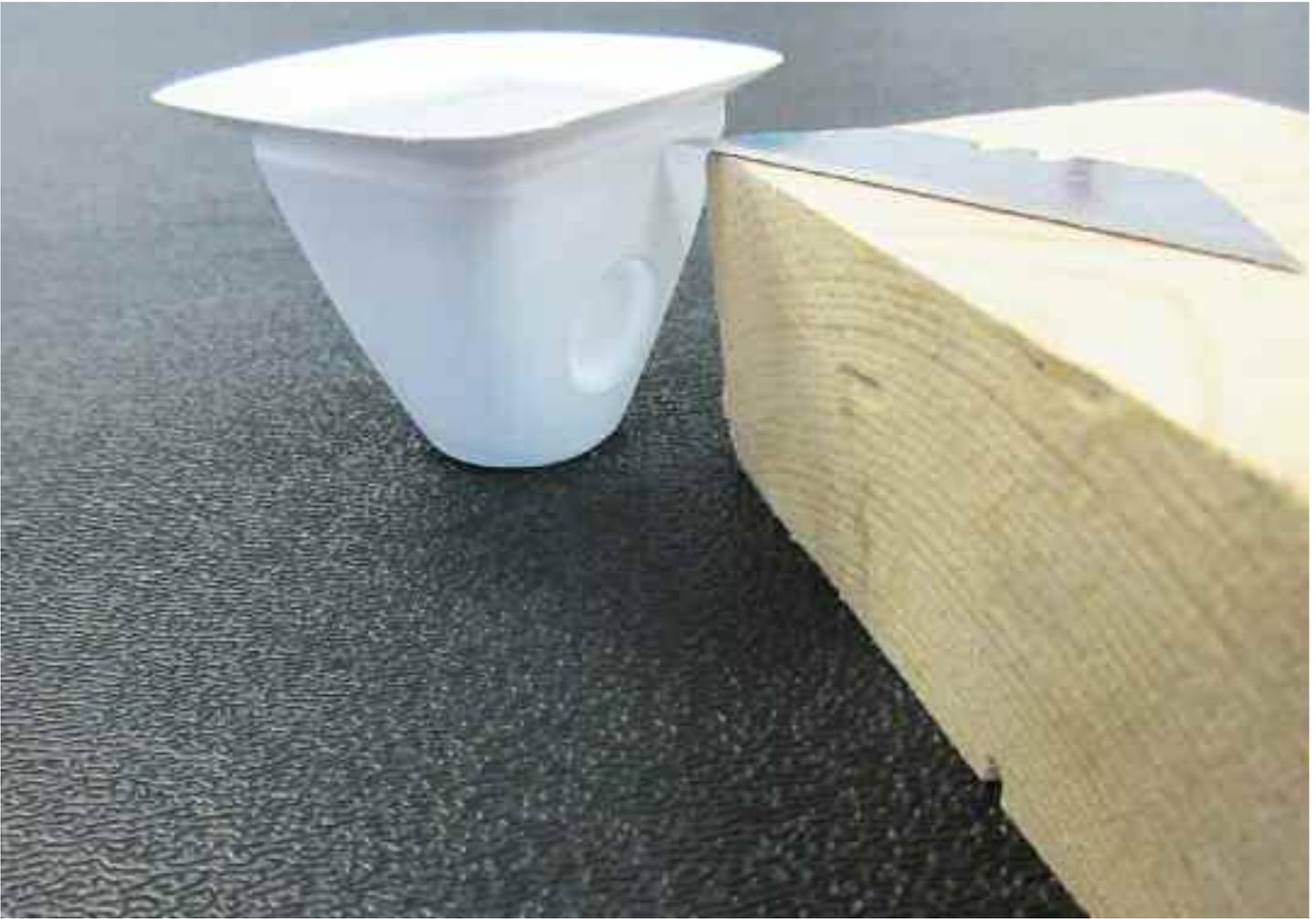


## REQUIRED SUPPLIES

- 5 MINUTE EPOXY
- NEW CUTTING BLADE
- 1 1/2" THICK BLOCK (2X4 SCRAP)
- ROTARY TOOL
- PENCIL
- 400 WET/DRY SAND PAPER
- SCOTCH DOUBLE SIDED TAPE



COWL  
COWL MOUNTING PLATE  
SPINNER  
SPINNER BACK PLATE



HOLD COWL FLAT ON TABLE  
AND MAKE A LIGHT SCORE CUT AROUND  
COWL WITH A NEW BLADE GLUED TO  
A 1 1/2" TALL BLOCK. MAKE FINAL CUT  
REMOVING COWL FROM BASE. THIS WILL  
HELP TO PREVENT RUN AWAY CUTS AS IS COMMON  
WITH POLYSTYRENE.



WET SAND SMOOTH ANY RIDGES  
REMAINING ON INSIDE OF COWL.



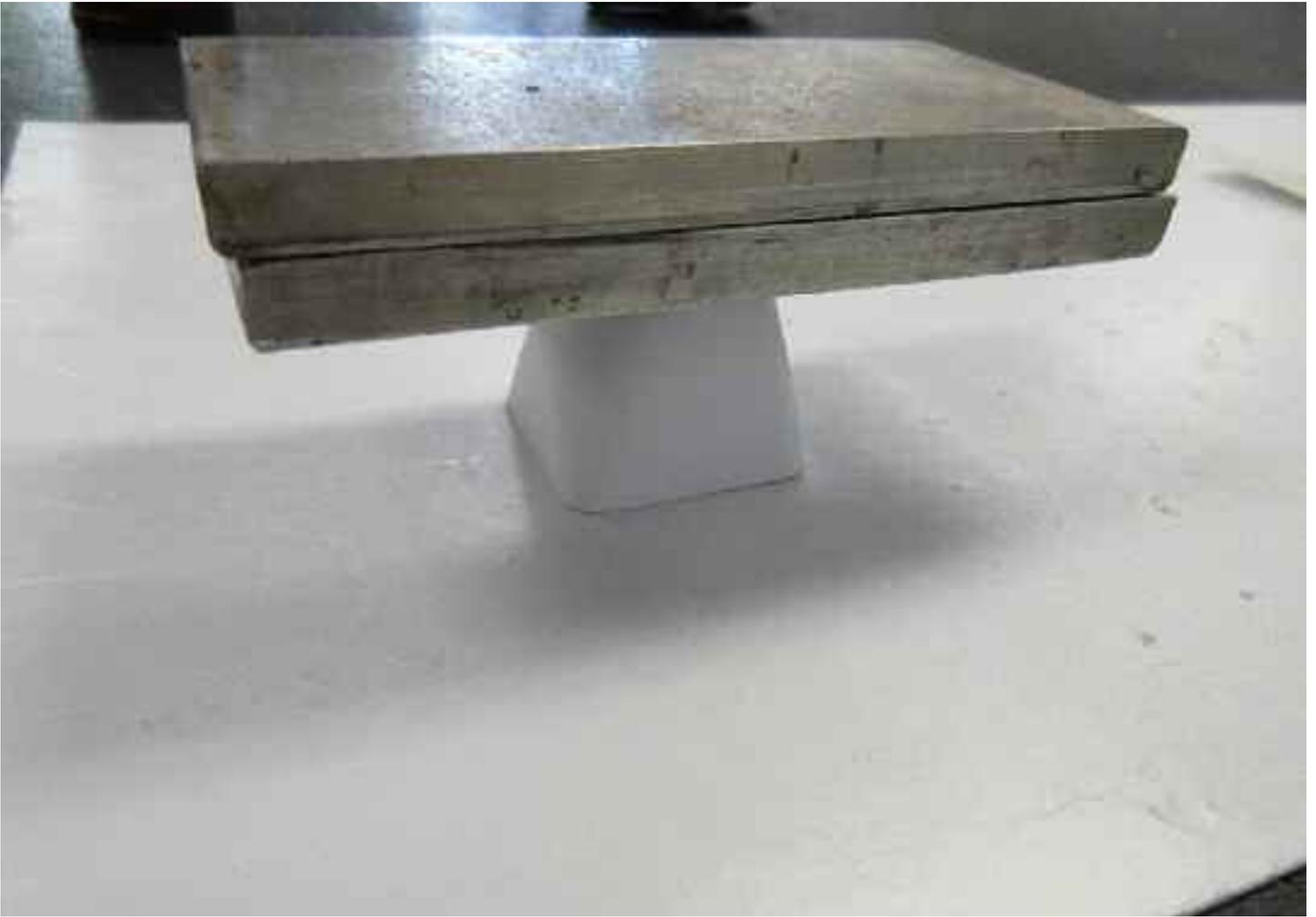
THE COWL MOUNTING PLATE  
MUST BE SANDED TO MATCH THE TAPER  
OF COWL TO FIT PROPERLY INSIDE COWL.  
THIS FIT SHOULD BE TIGHT ENOUGH  
TO HOLD THE MOUNTING PLATE IN PLACE.



CHECK FIT BY PLACING  
COWL MOUNTING PLATE ON TABLE  
AND PUSHING COWL STRAIGHT DOWN  
OVER MOUNTING PLATE.  
ONLY MODERATE PRESSURE IS REQUIRED.



ONCE COWL AND PLATE FIT  
IS CORRECT, APPLY 5 MINUTE EPOXY  
TO EDGE OF MOUNTING PLATE.



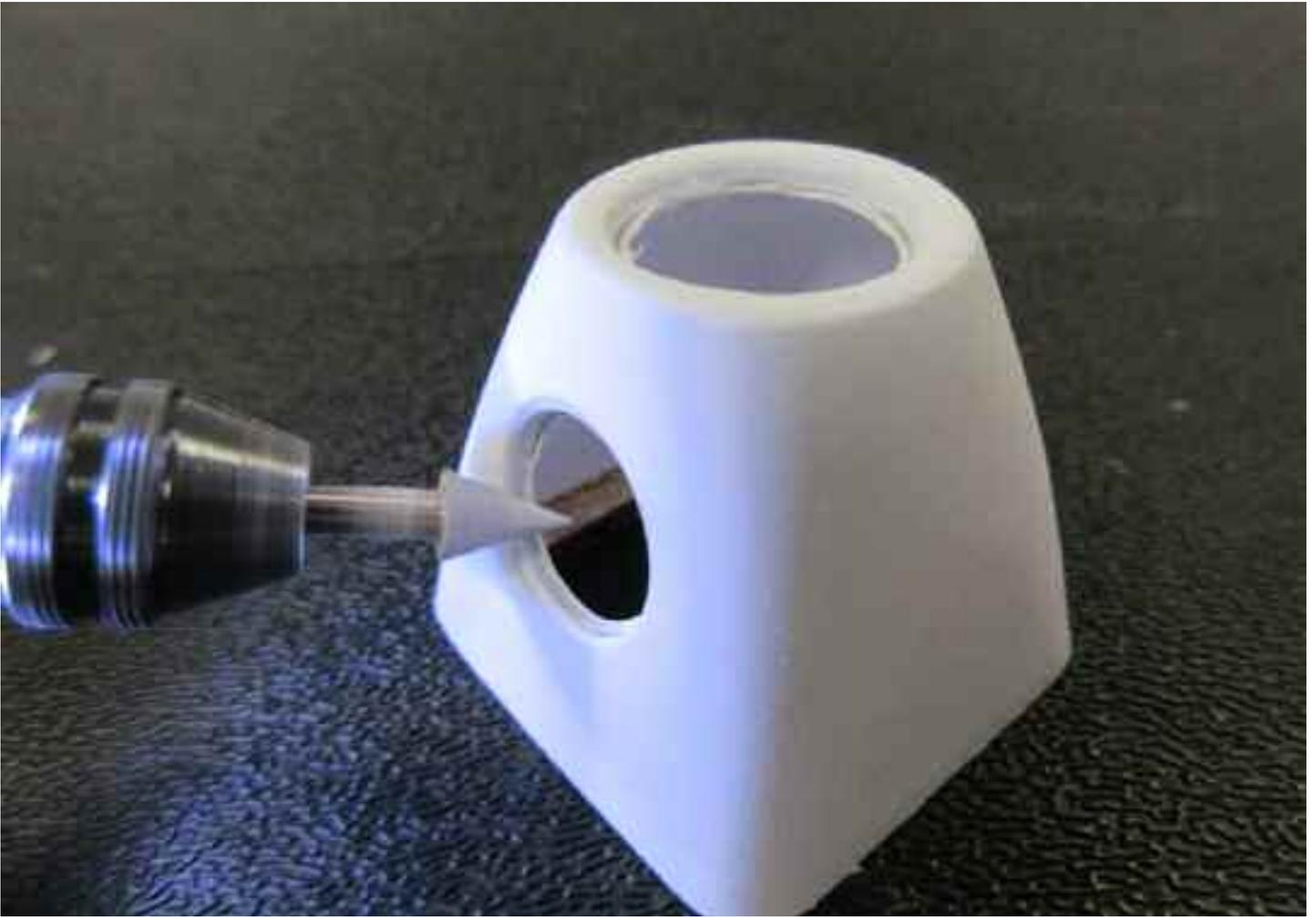
**PLACE COWL OVER MOUNTING PLATE  
AND HOLD IN PLACE WITH WEIGHTS  
UNTIL EPOXY IS CURED.**



SOME COWLS MAY HAVE 'SAGS'  
AROUND FRONT EDGE. WET SAND AND SMOOTH.  
CHECK OFTEN. THIS WILL NOT REQUIRE  
MUCH SANDING.



MARK OUTER EDGE ON FRONT OF COWL  
AND BOTTOM OF CYLINDER OPENING  
WITH PENCIL.



USING A ROTARY TOOL ON LOW  
SPEED OPEN HOLES UP TO  
PENCIL LINE.



WET SAND EDGE OF CYLINDER OPENING  
SMOOTH WITH 400 WET/DRY PAPER ATTACHED  
TO A CYLINDER SLIGHTLY UNDER SIZE  
OF OPENING.



WET SAND EDGE OF MOTOR OPENING  
SMOOTH WITH 400 WET/DRY PAPER ATTACHED  
TO A CYLINDER SLIGHTLY UNDER SIZE OF OPENING.



SAW OFF CYLINDER AT BASE.



CYLINDER CAN BE REATTACHED  
THROUGH COWL BY THREADING BOTH  
PARTS AND INSTALLING A NYLON THREADED ROD.



DRY SAND COWL MOUNT PLATE AND COWL FLAT.



APPLY A SMALL PIECE OF  
DOUBLE SIDED TAPE TO EACH SIDE  
OF MOUNTING PLATE.



PUT COWL INTO PLACE. THE COWL SHOULD BE CENTERED ON FIREWALL AND MOTOR SHOULD BE CENTERED IN COWL.



IF COWL IS CENTERED ON FIREWALL  
BUT MOTOR IS NOT CENTERED IN COWL,  
SAND THE FACE OF THE MOUNTING  
PLATE ON THE SIDE THAT IS TOO CLOSE  
TO THE MOTOR.



ONCE COWL IS FITTED, FINAL  
SAND FUSELAGE TO CONTOUR TO COWL.  
INSTALL COWL ON FINISHED FUSELAGE WITH  
CLEAR SCOTCH DOUBLE SIDED TAPE ON  
ENTIRE FACE OF MOUNTING PLATE.



PREPARE SPINNER.



MARK PARTING LINE WITH PENCIL.



CUT WITH NEW BLADE.



MARK THIS LINE WITH PENCIL.



WET SAND WITH 400 PAPER ATTACHED TO A FLAT SURFACE UNTIL FLUSH WITH SHOULDER FLANGE. CHECK OFTEN AND KEEP EVEN.



STOP HERE.



TOP VIEW OF FLANGE  
AFTER FINAL SANDING.



WET SAND WITH 400 PAPER ATTACHED TO FLAT SURFACE TO REMOVE CENTER HOLE AND COOLING VENT PROTRUSIONS.



SAND FLUSH WITH FACE.



MARK PARTING LINE WITH PENCIL.



CUT ON LINE WITH NEW BLADE.



WET SAND SPINNER WITH 400 PAPER  
ATTACHED TO A FLAT SURFACE.



WET SAND UNTIL RIDGE ON INSIDE IS JUST GONE. CHECK OFTEN AND KEEP EVEN.



WET SAND PROP OPENING PROTRUSIONS OFF.





FINAL WET SANDING TO REMOVE THE LAST  
BIT OF THE PROTRUSION RIDGE CAN BE  
FINISHED WITH 400 PAPER IN HAND.

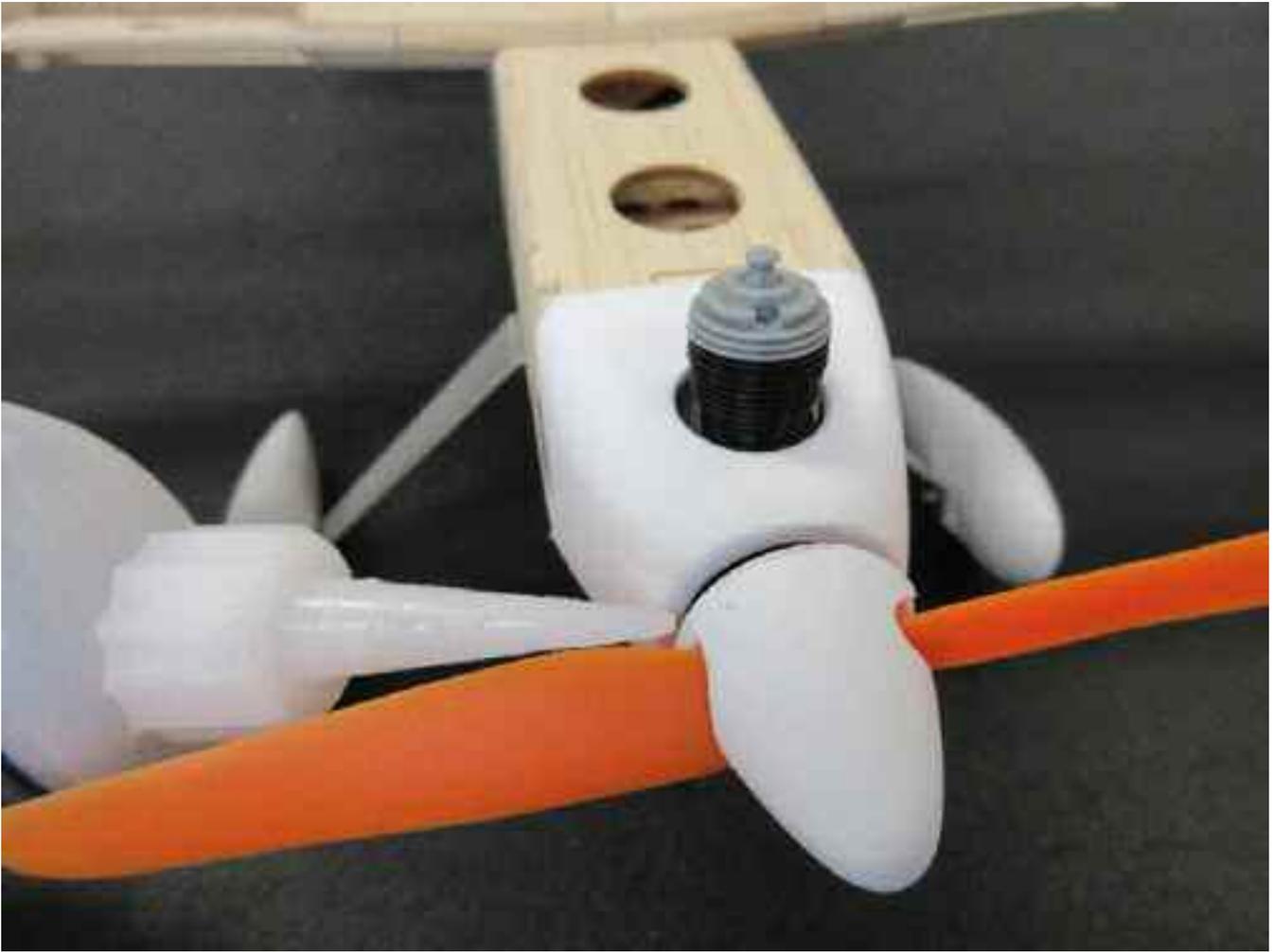


FINISHED 1104 SPINNER  
AND BACK PLATE.



INSTALL BACK PLATE, BALANCED PROP,  
AND NUT. A SMALL DRIP OF THIN CA  
TO SECURE BACK PLATE, PROP, AND SHAFT  
WILL HELP TO TIGHTEN NUT WITHOUT SPINNING.

DO NOT OVER TIGHTEN. BACK PLATE MAY DISTORT.  
ADD A DRIP OF THIN CA TO NUT AND THREADS.



TAPE SPINNER CONE IN PLACE.  
WHEN ALIGNED, SECURE WITH SMALL  
DRIP OF THIN CA AT FRONT AND BACK  
OF PROP OPENINGS ON BACK PLATE.



FINISHED SUPERSPORT COWL AND SPINNER.

YOU ARE NOW READY TO FLY IN STYLE  
WITH YOUR NEW WILLYNILLIES.COM  
COWL AND SPINNER SET. ENJOY YOUR  
AIRPLANES NEW LOOK AND REMEMBER  
TO LEAVE US YOUR FEEDBACK AT WILLYNILLIES.COM.

*THANK YOU!*



## WING SERVO MOUNT HOUSING BUILD MANUAL

# PREFACE

THANK YOU FOR PURCHASING YOUR NEW WILLYNILLIES.COM WING SERVO MOUNT HOUSINGS. THESE HOUSINGS WERE SPECIFICALLY DESIGNED TO BE USED WITH EMAX ES9251 SERVOS, AVAILABLE FOR PURCHASE AT WILLYNILLIES.COM. THE HOUSINGS ARE QUICK AND EASY TO PREPARE FOR USE, TO INSTALL AND TO REMOVE FOR SERVO REPLACEMENT.

TWO VERSIONS WILL BE AVAILABLE, CLEAR AND OPAQUE WHITE. WHITE CAN BE PAINTED TO MATCH WING COVERING. CLEAR CAN BE DYED TO MATCH TRANSPARENT WING COVERING OR LEFT AS IS.

READ THROUGH THIS MANUAL, TAKE YOUR TIME, AND YOU WILL HAVE AN ENJOYABLE BUILD, A BEAUTIFUL FINAL PRODUCT, AND A SUPER SIMPLE NEW WAY TO MOUNT SERVOS USING YOUR NEW WILLYNILLIES.COM WING SERVO MOUNT HOUSINGS.

BE SURE TO LOOK FOR OUR OTHER ACCESSORIES, AND PLEASE GIVE US YOUR FEEDBACK AT WILLYNILLIES.COM.



## REQUIRED SUPPLIES

- MEDIUM CA
- HOBBY KNIFE
- PENCIL
- 400 WET/DRY SAND PAPER
- ROTARY TOOL AND ACCESSORIES
- PLIERS



## **CONTENTS OF KIT**

**(CLEAR OR WHITE)**

- (1) LEFT SIDE WING SERVO MOUNT HOUSING**
- (1) RIGHT SIDE WING SERVO MOUNT HOUSING**
- (2) SERVO MOUNTS**



MARK VISUAL PARTING LINE IN GROOVE  
AROUND ENTIRE PART WITH PENCIL.



USING A NEW BLADE, CUT ON PENCIL  
LINE WITH HOBBY KNIFE.



1. ATTACH FULL SHEET OF 400 WET/DRY SANDPAPER TO FLAT SURFACE.
2. WET SAND WITH LIGHT PRESSURE AND LONG STROKES.
3. CHECK OFTEN TO ENSURE EVEN REMOVAL.



WET SAND MOUNTING FLANGE TO A FLAT EVEN SURFACE.



WET SAND PROTRUSION OFF FOR SERVO WIRE EXIT.



WET SAND PROTRUSION OFF FOR SERVO OPENING.



WET SAND HOUSING EDGES TO A SMOOTH UNIFORM FINISH.



WET SAND FRONT OF HOUSING TO FIT BETWEEN  
UPPER AND LOWER SPARS. DO NOT FORCE FIT.  
DO NOT OVER SAND. THE HOUSING SHOULD NOT BE LOOSE.



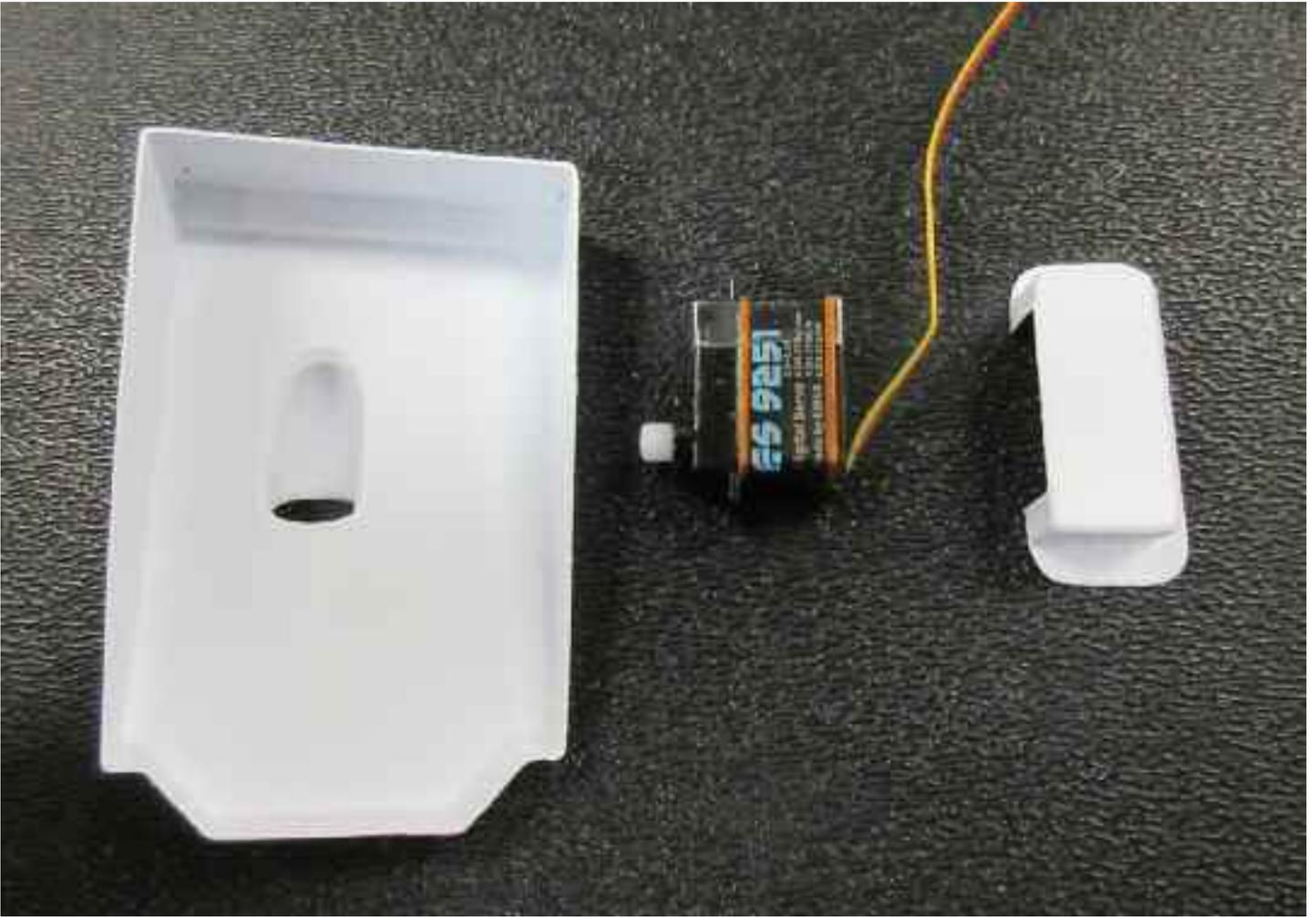
WET SAND PROTRUSION OFF FOR SERVO WIRE EXIT.



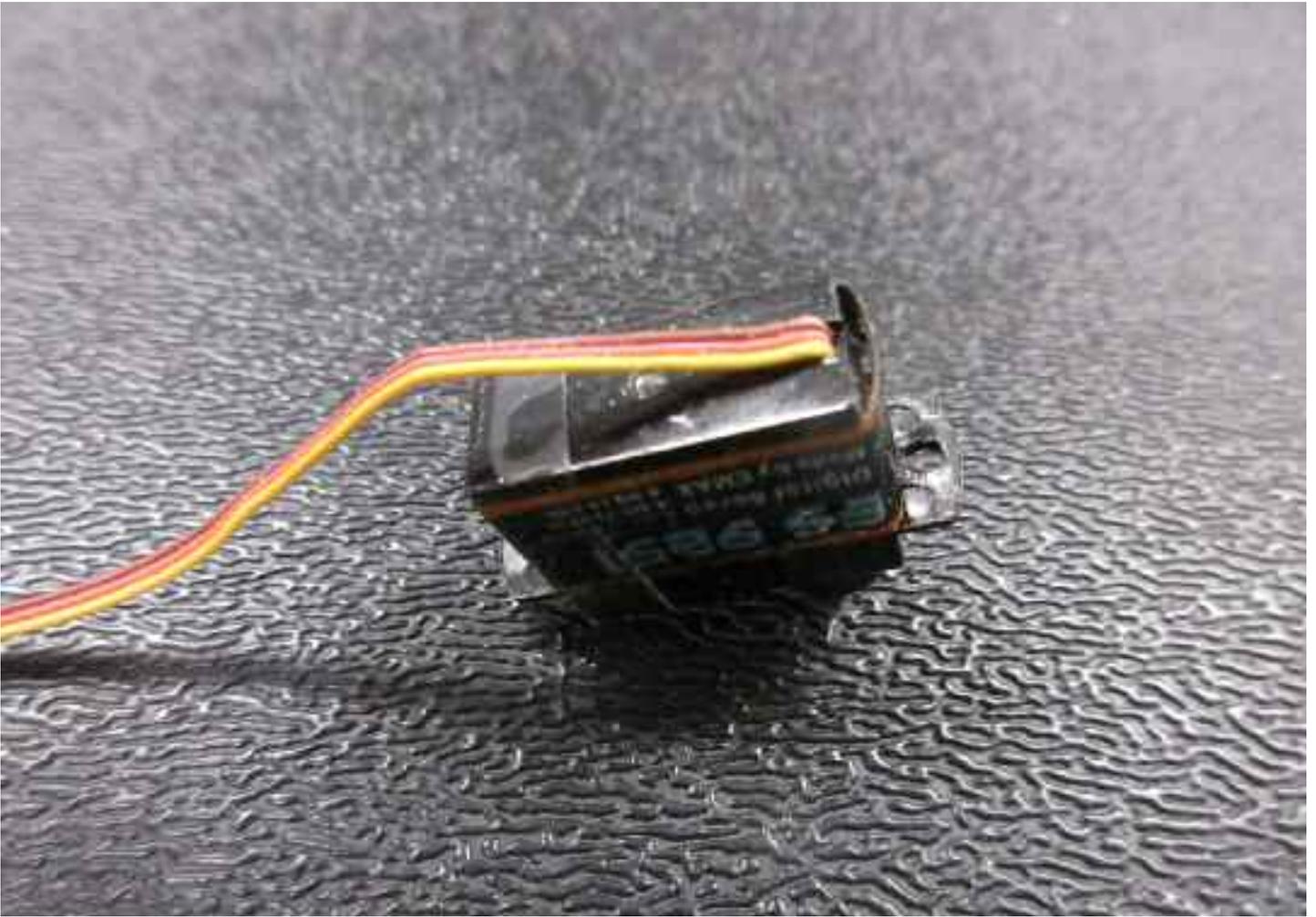
OPEN CONTROL ROD EXIT WITH ROTARY TOOL.



FINISH DETAILS WITH NEEDLE FILES.



PROPER ORIENTATION FOR RIGHT WING.  
LEFT WING WILL BE A MIRROR IMAGE.



FLATTEN SERVO WIRES TO EXIT BOTTOM OF MOUNT.



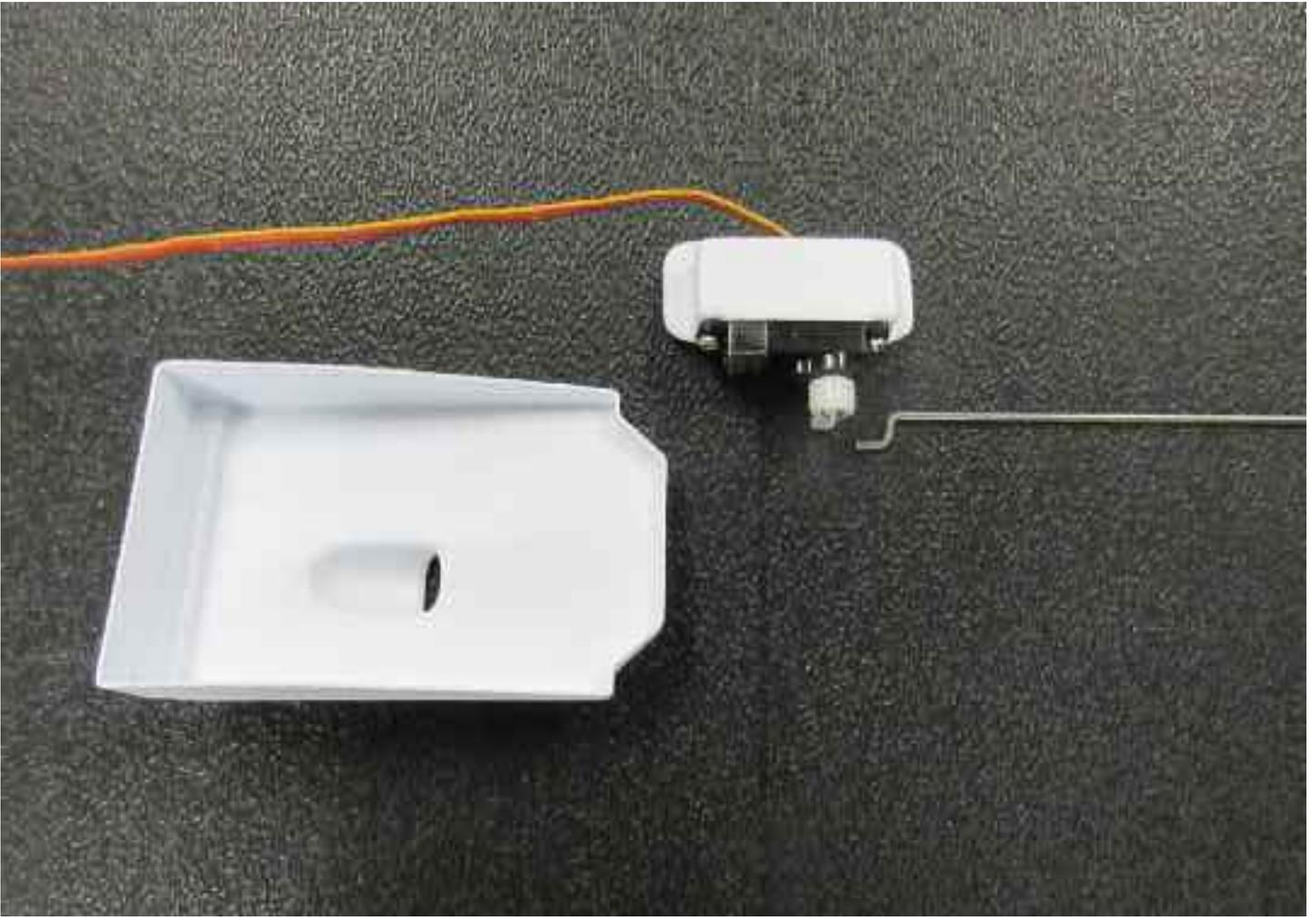
ROUTE SERVO WIRE THROUGH BOTTOM EXIT.



USE A 3/64" DRILL BIT ON LOW SPEED TO OPEN  
PILOT HOLES FOR SERVO MOUNTING SCREWS.  
INSTALL SCREWS. DO NOT OVER TIGHTEN.



PREPARE SERVO CONTROL HORN. REMOVE OUTER PORTION, ROUND OVER AND OPEN CONTROL ROD HOLE WITH 1/16" DRILL BIT.



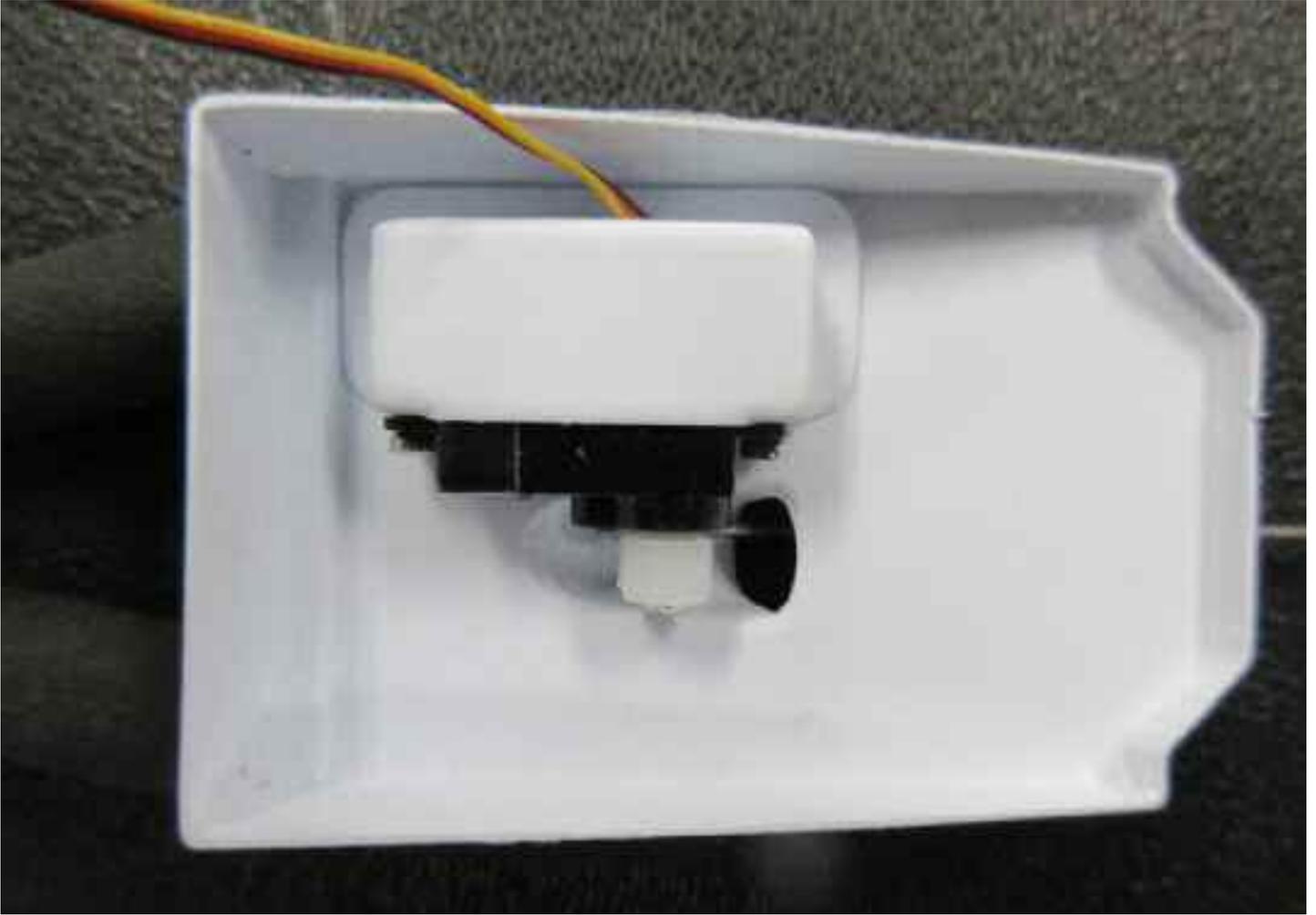
INSTALL SERVO CONTROL HORN. NOTE ORIENTATION OF ALL PARTS. THIS IS FOR RIGHT HAND WING PANEL. MIRROR FOR LEFT HAND WING PANEL.



LOCATE AILERON CONTROL RODS SUPPLIED IN  
WILLYNILLIES.COM AIRPLANE KIT.  
RIGHT HAND CONTROL ROD SHOWN.  
BEND OUTERMOST LEG OF CONTROL ROD  
UP TO FORM 90° ANGLE. RIGHT AND LEFT  
CONTROL RODS SHOULD BE A MIRROR IMAGE.  
AILERON CONTROL ROD PATTERN CAN BE  
FOUND AT WILLYNILLIES.INFO.



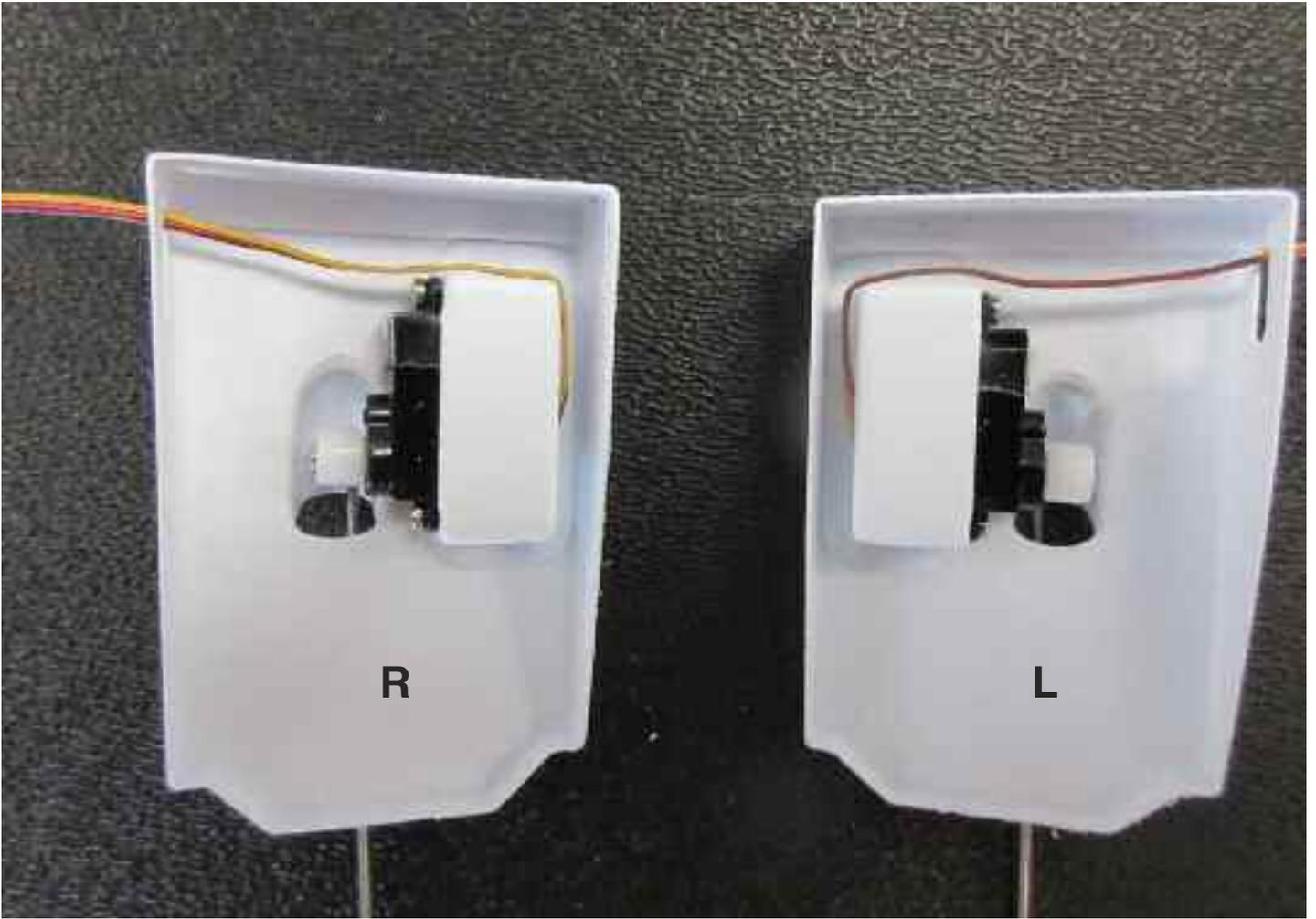
CONTROL ROD BENT AND INSTALLED FOR  
RIGHT HAND WING PANEL APPLICATION.  
MIRROR FOR LEFT HAND WING PANEL.  
THIS UPWARD BEND WILL AID IN INSTALLATION  
AND REMOVAL OF ASSEMBLED WING SERVO HOUSING.



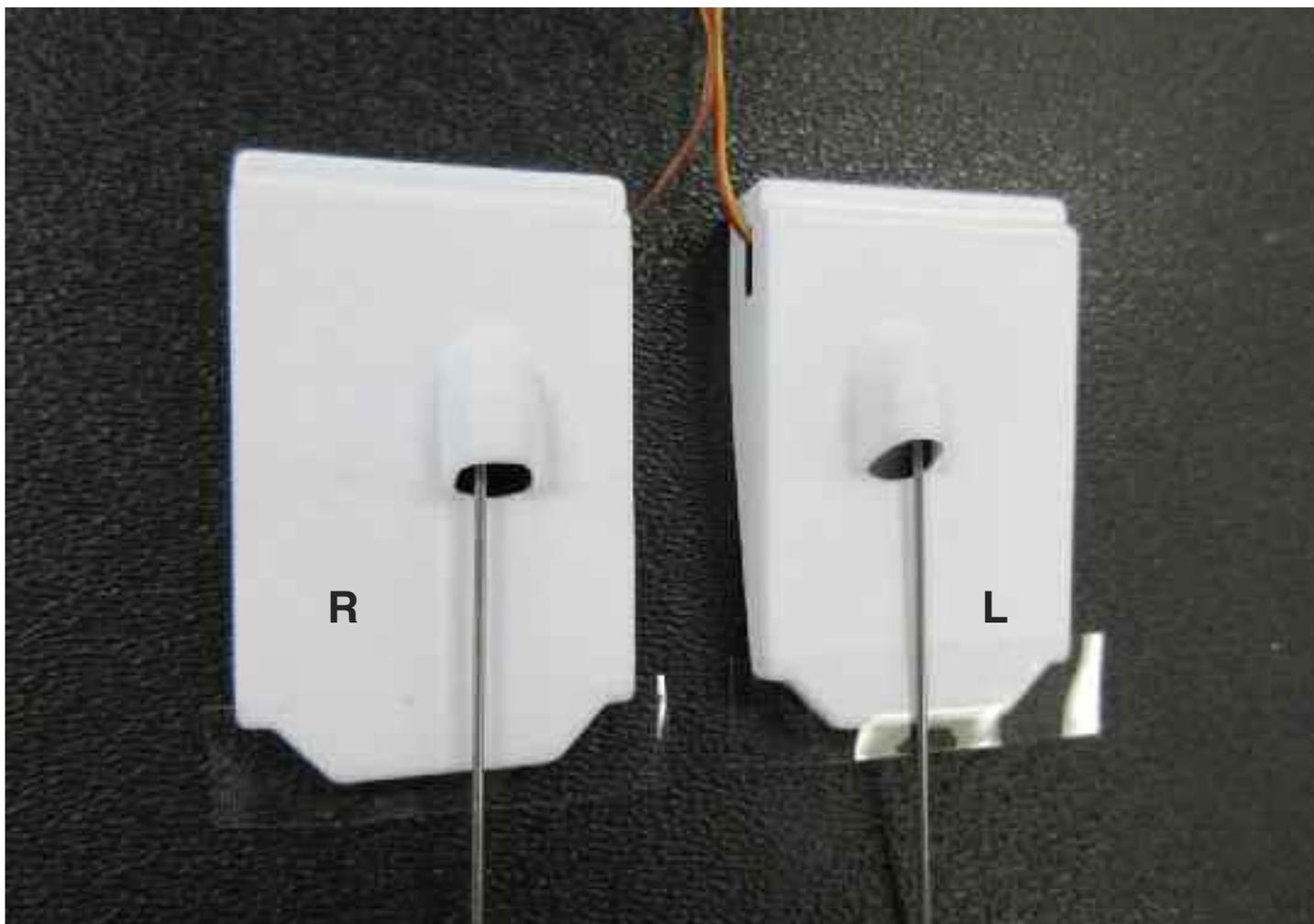
SERVO MOUNT FLANGE WILL PROPERLY  
LOCATE SERVO IN HOUSING. SERVO MOUNT FLANGE  
SHOULD BE AGAINST OUTER AND FOREMOST EDGES.



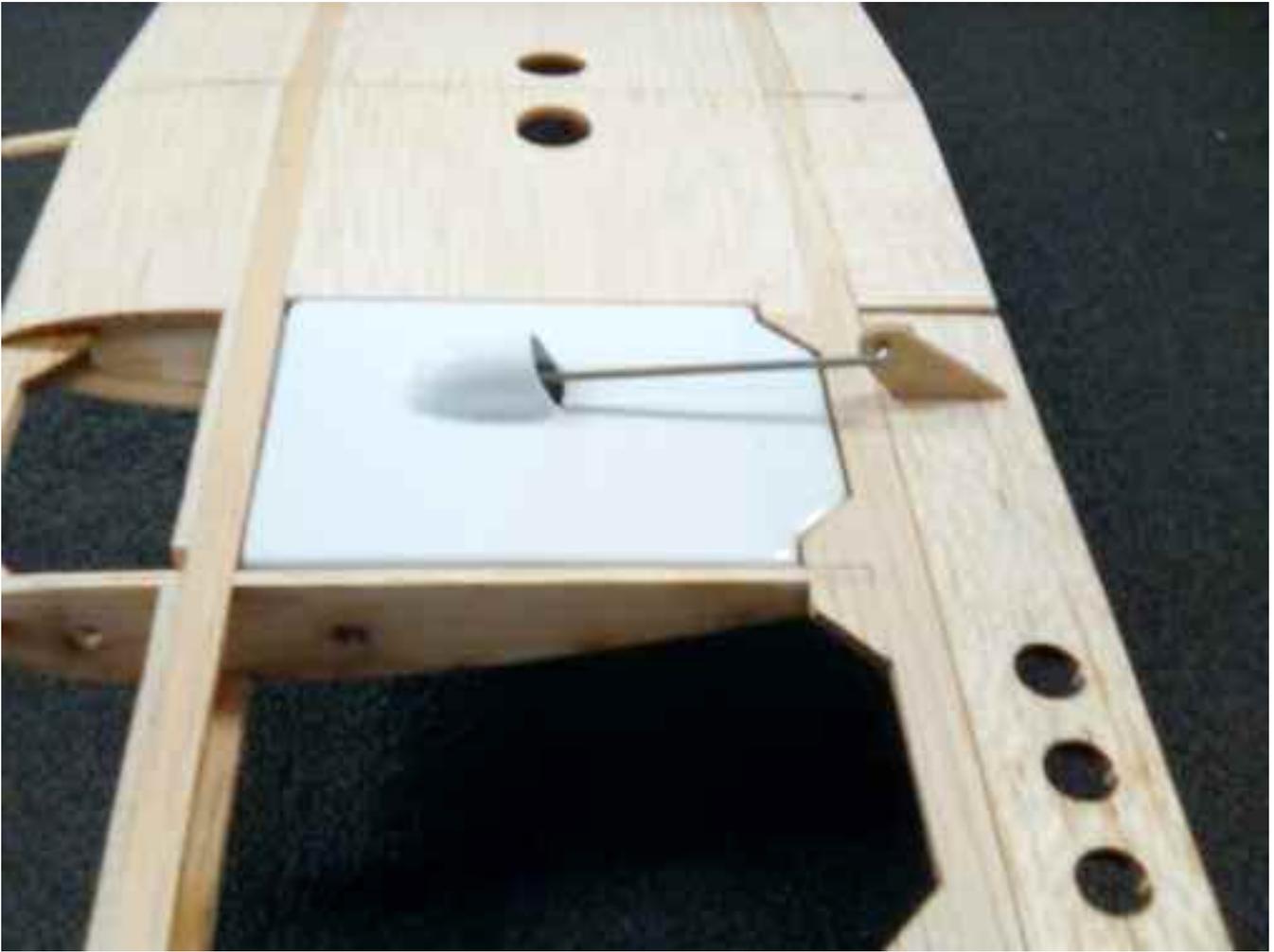
APPLY MEDIUM CA TO SERVO MOUNT FLANGE.  
INSTALL IN HOUSING.



COMPLETED WING SERVO MOUNT HOUSING PAIR.



INSTALL WING MOUNT SERVO  
HOUSINGS INTO WING. SECURE AT  
TRAILING EDGE WITH HIGH STRENGTH  
CLEAR TAPE.

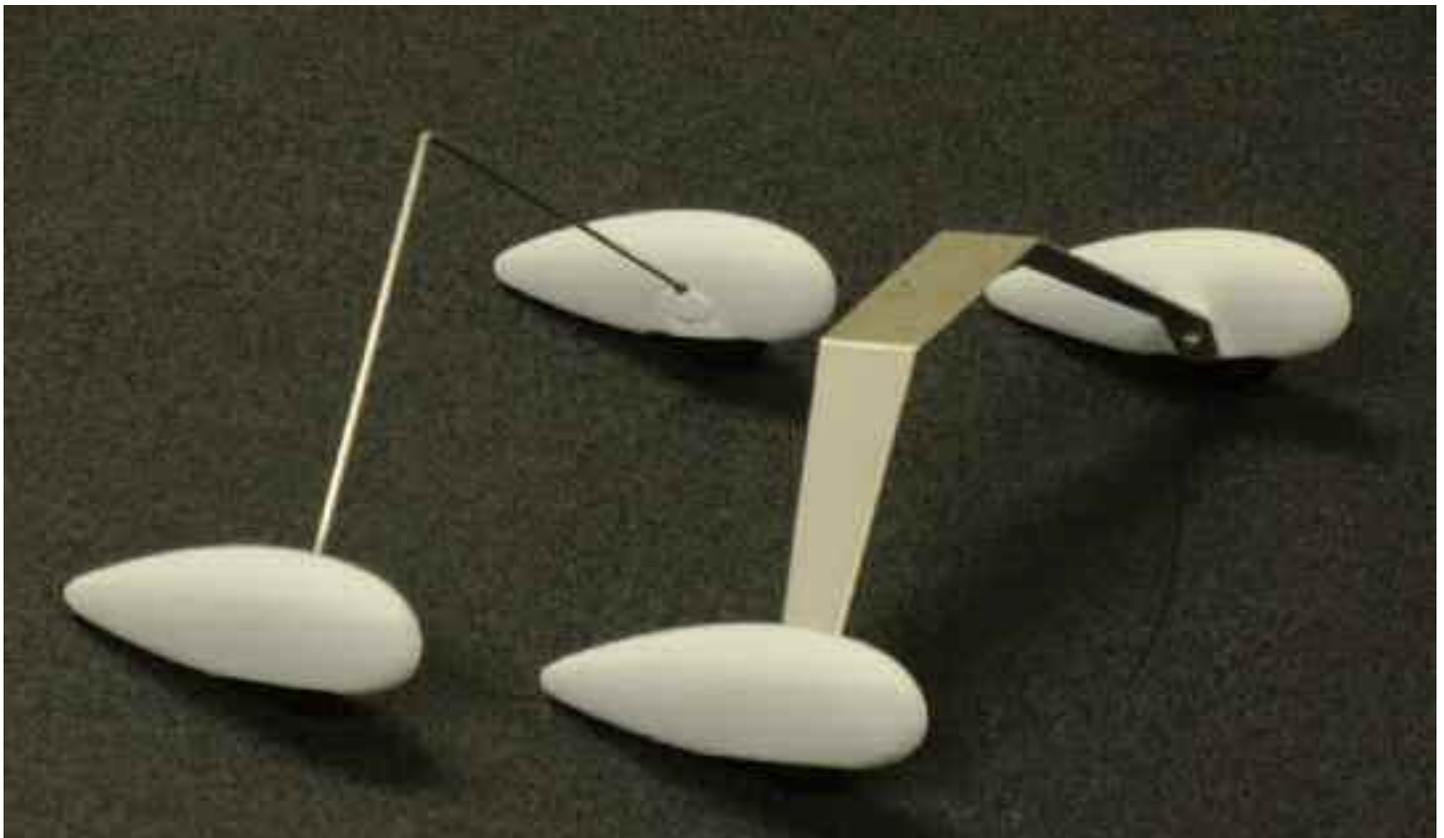


WING SERVO MOUNT INSTALLED.

YOU WILL CERTAINLY APPRECIATE THE SPEED  
AND EASE OF INSTALLATION, AND THE ABILITY TO  
REMOVE AND REPLACE SERVOS IF THE NEED ARISES.

PLEASE GIVE US YOUR FEEDBACK AT [WILLYNILLIES.COM](http://WILLYNILLIES.COM).

*THANK YOU!*



**WILLY NILLIES.COM**

**WHEEL PANTS BUILD MANUAL  
FOR WIRE GEAR & ALUMINUM GEAR**

# PREFACE

THANK YOU FOR PURCHASING YOUR NEW WILLYNILLIES.COM WHEEL PANT KIT. THESE PANTS WERE SPECIFICALLY DESIGNED TO BE USED WITH WILLYNILLIES.COM 1.25" LIGHT WEIGHT WHEELS.

TOTAL WEIGHT OF WHEEL PANT PAIR IS 6G.

THEY CAN BE MOUNTED ON .064" WIRE GEARS YOU BEND FROM PATTERNS OR ALUMINUM GEARS AVAILABLE FOR PURCHASE AT WILLYNILLIES.COM.

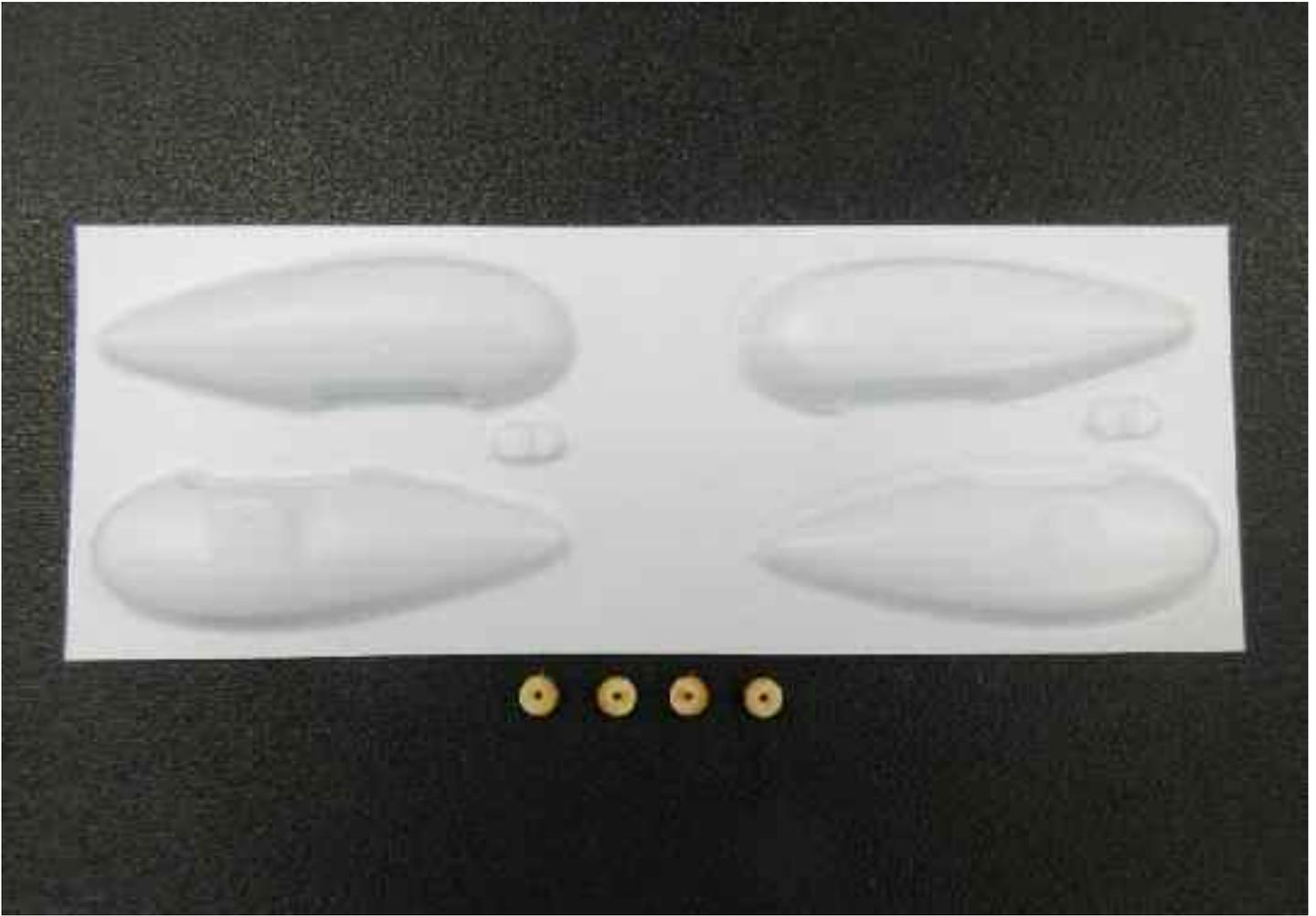
READ THROUGH THIS MANUAL, TAKE YOUR TIME, AND YOU WILL HAVE AN ENJOYABLE BUILD, A BEAUTIFUL PRODUCT, AND A GREAT LOOKING ACCESSORY TO ADD TO ANY OF OUR WILLYNILLIES.COM AIRPLANES.

BE SURE TO LOOK FOR OUR OTHER ACCESSORIES, AND PLEASE GIVE US YOUR FEEDBACK AT WILLYNILLIES.COM.



## REQUIRED SUPPLIES

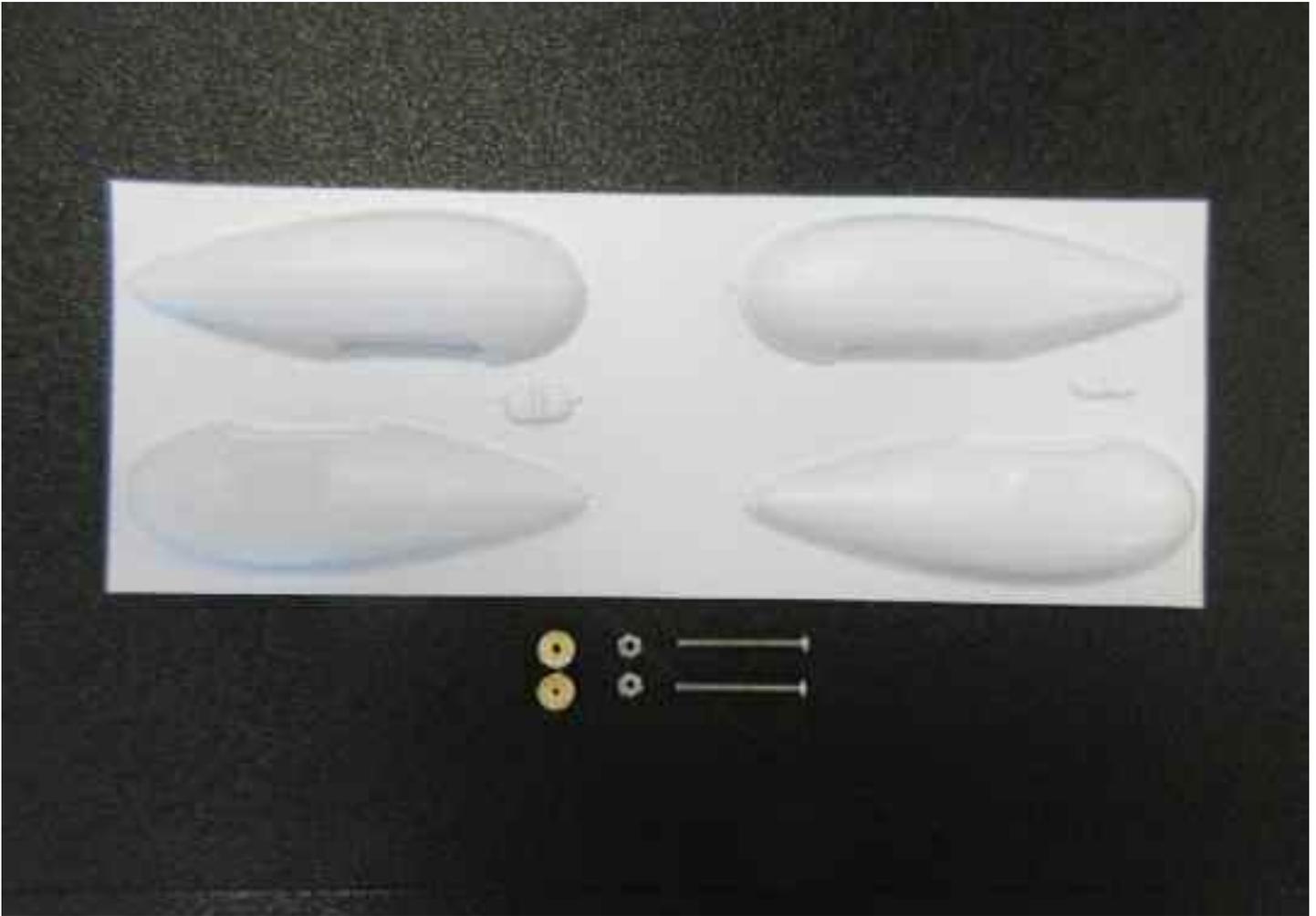
- THIN CA
- MEDIUM CA
- HOBBY KNIFE
- 400 WET/DRY SAND PAPER
- ROTARY CUTTER
- CLEAR TAPE
- SCUFF PAD



WIRE GEAR APPLICATION USE:

(2) WIRE GEAR RETAINERS (LOCATED ON SHEET)

(4) PLYWOOD WHEEL SPACERS

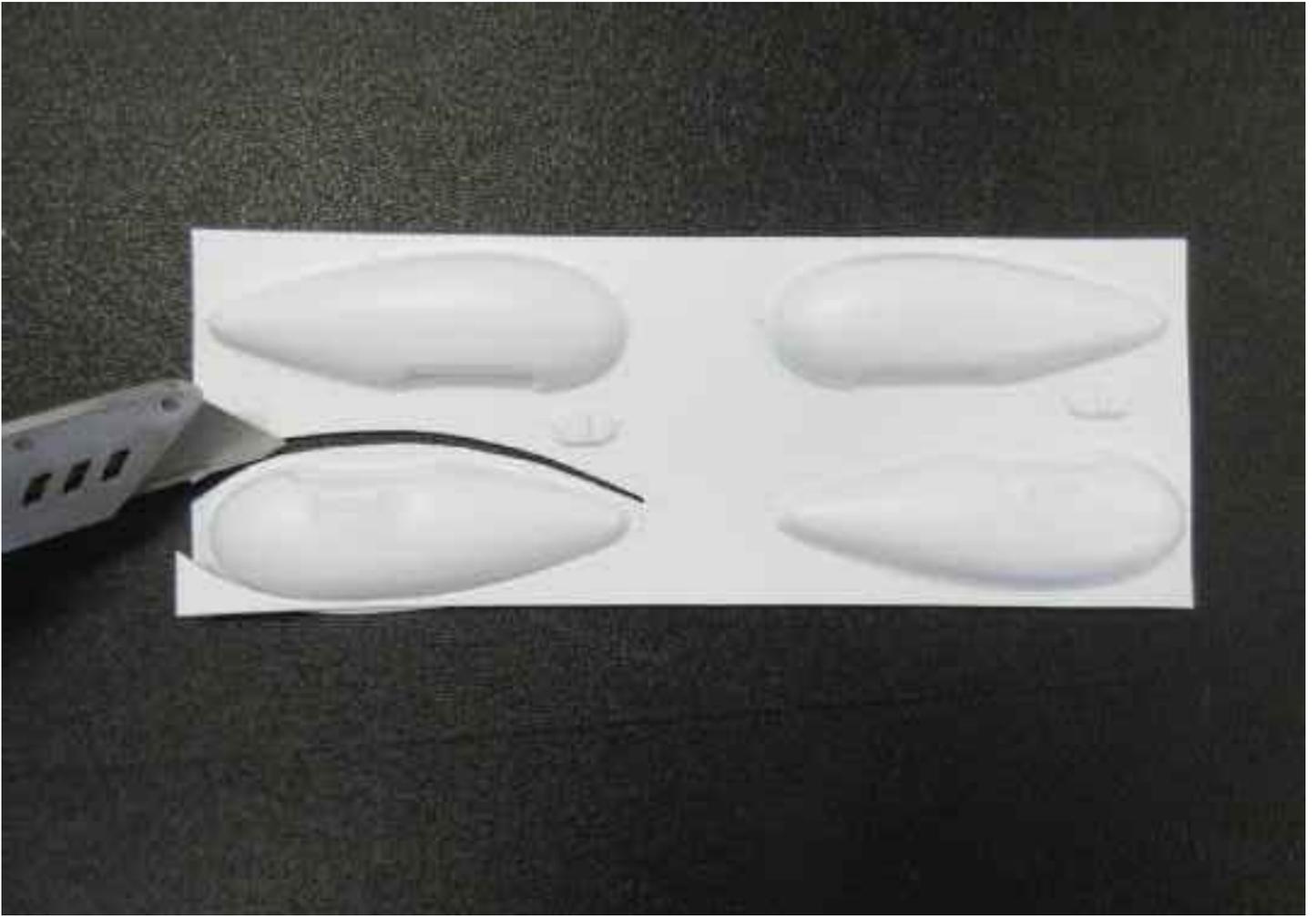


ALUMINUM GEAR APPLICATION WILL USE:

(2) 2-56 SCREWS

(2) 2-56 NUTS

(2) PLYWOOD WHEEL SPACERS



PART WHEEL PANT HALVES FROM SHEET.



MARK VISUAL PARTING LINE IN GROOVE AROUND ENTIRE  
PANT WITH PENCIL.



USING A NEW BLADE, CUT BELOW PENCIL MARK WITH HOBBY KNIFE OR UTILITY KNIFE.



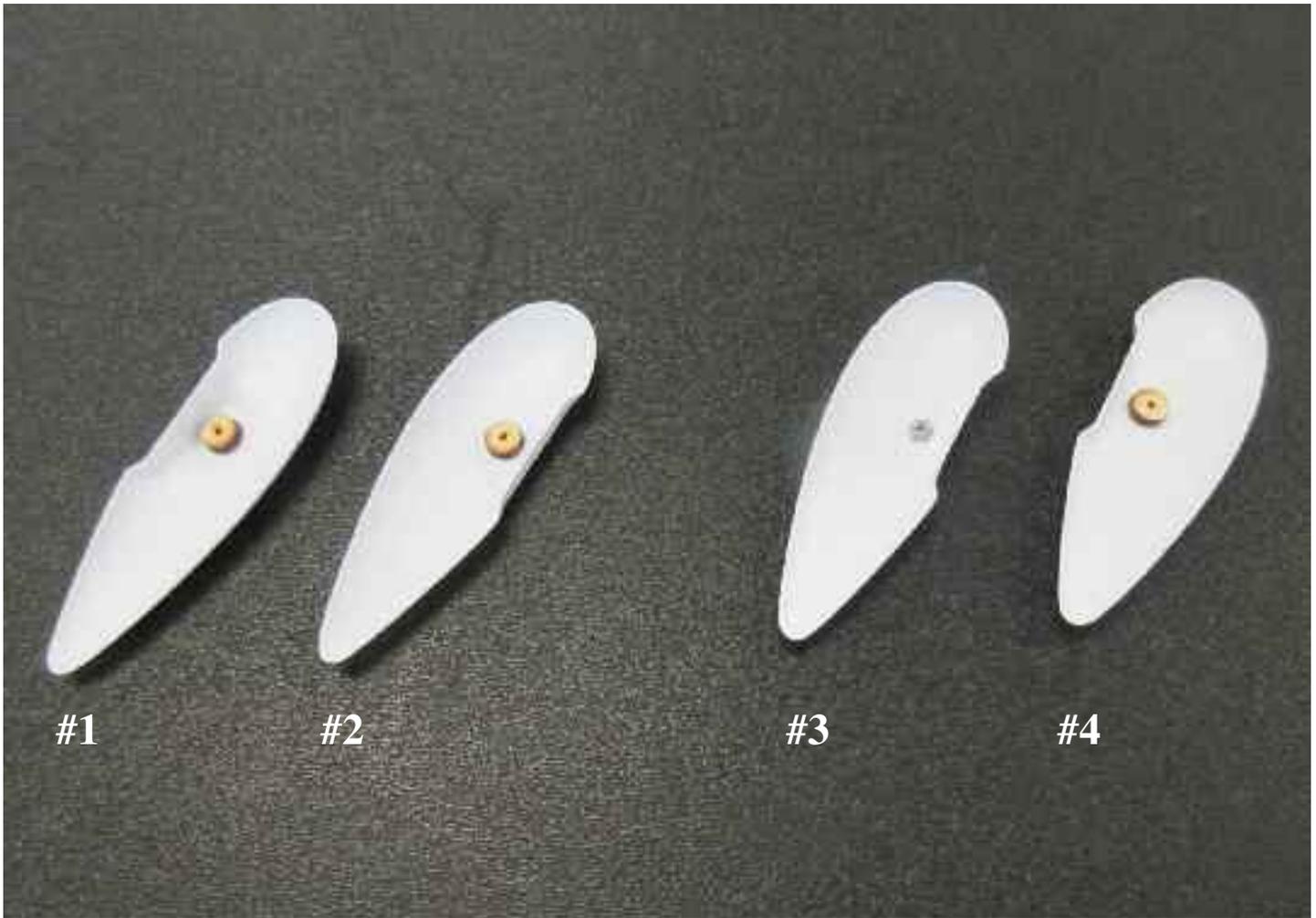
1. ATTACH A FULL SHEET OF 400 WET/DRY SANDPAPER TO A FLAT SURFACE.
2. WET SAND WITH LIGHT PRESSURE AND LONG STROKES.
3. CHECK OFTEN TO ENSURE EVERY REMOVAL.
4. SAND JUST TO THE POINT OF REMOVING PENCIL LINE.



ON THE INSIDE OF EACH PANT HALF WHERE DIMPLE INDICATES AXLE LOCATION, PREPARE AREA WITH SCUFF PAD.



ON THE INSIDE OF EACH PANT HALF, MARK THE TOP OF THE AXLE LOCATION DIMPLE.



EACH WILL PANT HALF WILL HAVE A SPECIFIC WHEEL SPACER.  
INBOARD PANT HALF HAS FLAT RAISED AREA AT AXLE.  
OUTBOARD PANT HALF IS COMPLETELY SMOOTH.

WIRE GEAR

- #1 INBOARD PANT – FULL THICKNESS PLYWOOD SPACER
- #2 OUTBOARD PANT – HALF THICKNESS PLYWOOD SPACER

ALUMINUM GEAR

- #3 INBOARD PANT – 2-56 NUT
- #4 OUTBOARD PANT – HALF THICKNESS PLYWOOD SPACER



PLYWOOD WHEEL SPACERS SHOULD BE  
PRESIZED BEFORE BONDING TO PANTS.

WIRE GEAR WHEEL SPACERS - DRILL WITH 1/16" DRILL BIT.

ALUMINUM GEAR WHEEL SPACERS - DRILL WITH 3/32"  
DRILL BIT.



USE MEDIUM CA TO ATTACH WHEEL SPACERS.



TO ENSURE EXACT LOCATION OF  
WHEEL SPACER, SLIDE SPACER ONTO A PIN.

PLACE PIN POINT ON PENCIL MARK.

WITH PIN UPRIGHT, SLIDE SPACER  
DOWN TO BOND WITH PANT.



PREPARE A NUMBER OF 1" LENGTHS  
OF TAPE BY FOLDING OVER ONE END.  
THIS WILL AID IN ADJUSTMENT AND REMOVAL.

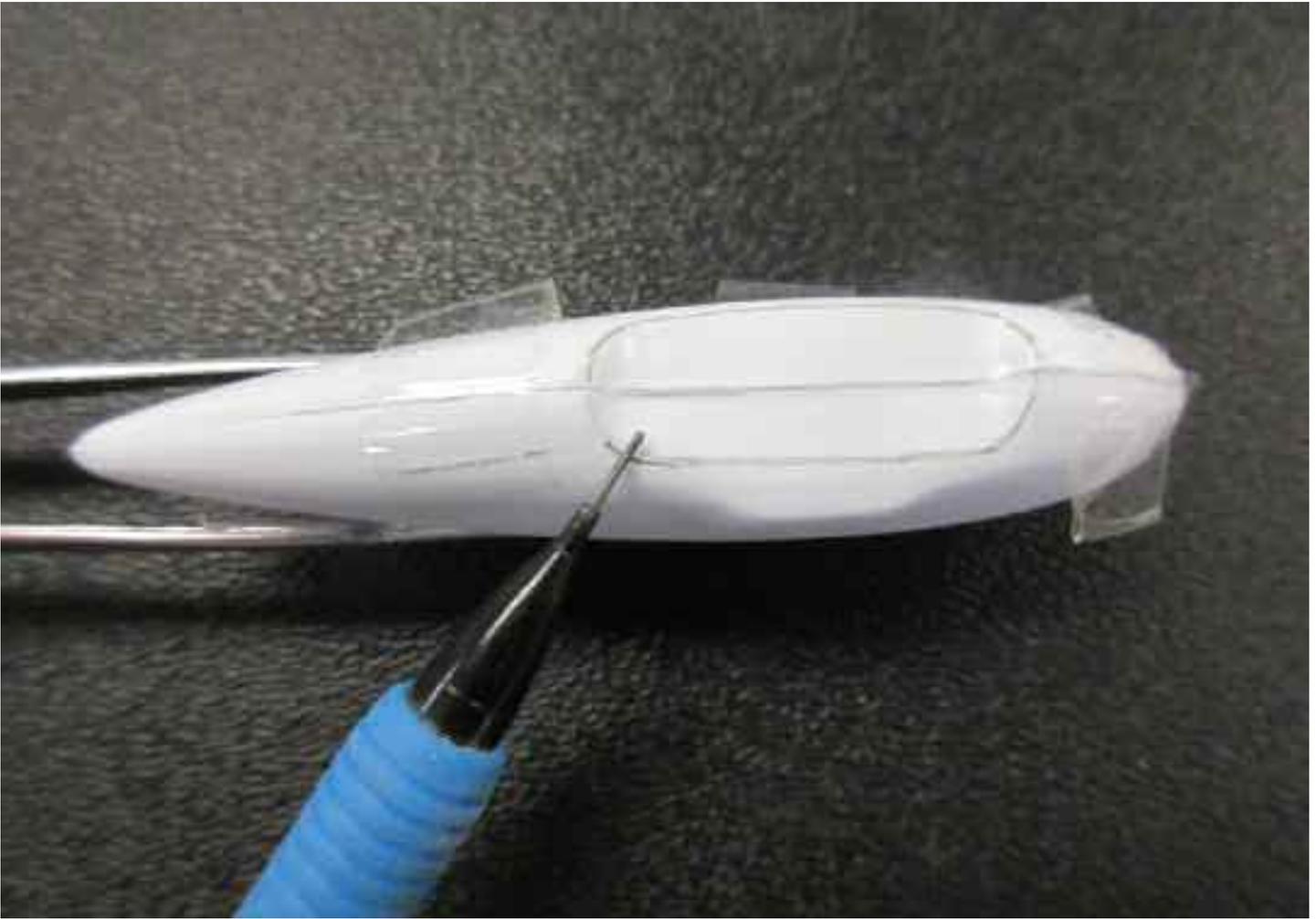


APPLY CLEAR TAPE TO HOLD PANT HALVES TOGETHER.

HALVES SHOULD LINE UP PERFECTLY WITH  
NO GAPS IN BETWEEN. ADJUST TAPE AS NECESSARY.



USE THIN CA TO TACK IN  
SEVERAL SPOTS ON OUTSIDE SEAM.



USE THE SIDE OF PENCIL LEAD TO  
MARK A VISUAL PARTING LINE FOR WHEEL OPENING.

NOTE: THE INBOARD PART LINE WILL BE STRAIGHT.  
DO NOT FOLLOW THE OFFSET LINE.



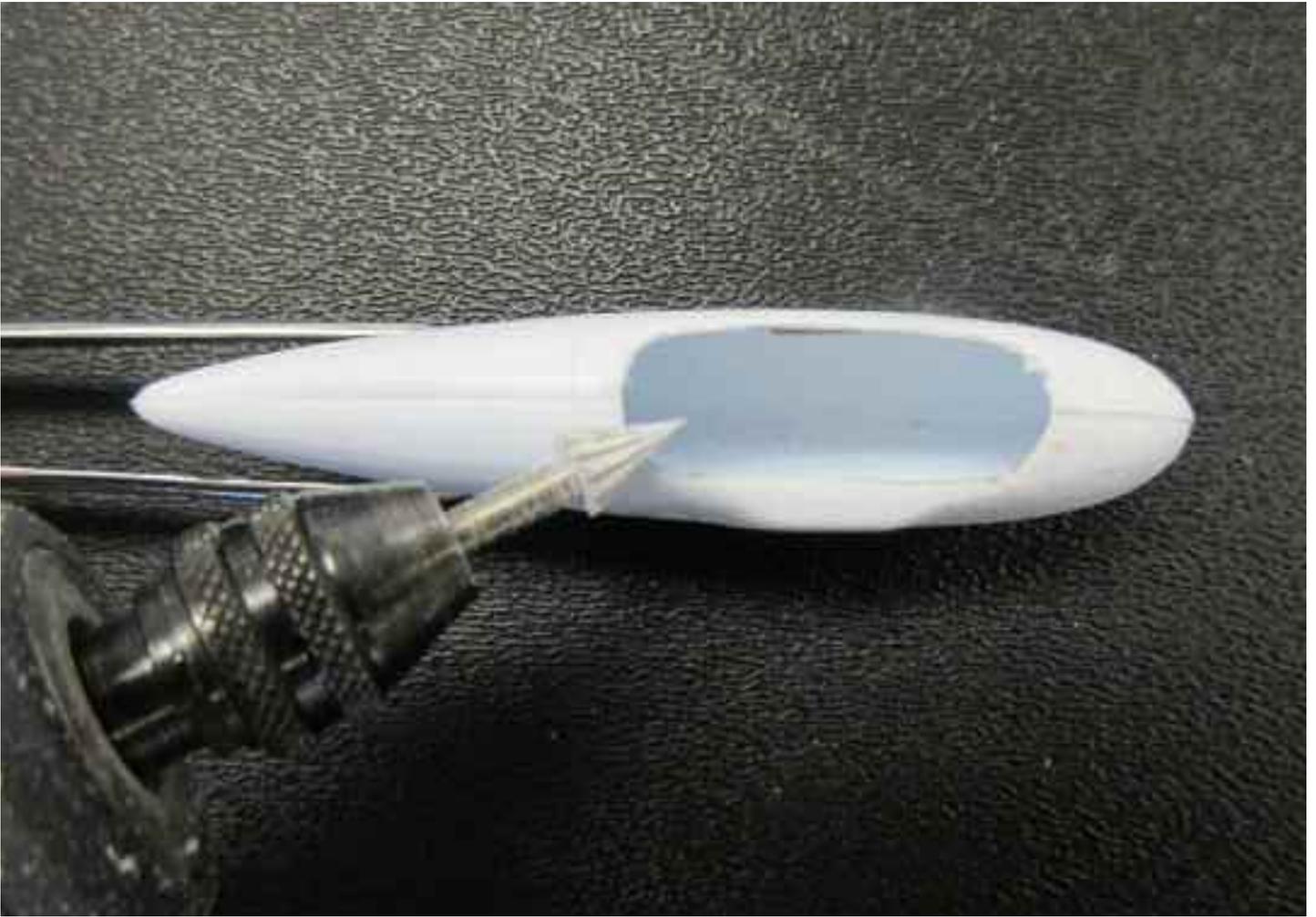
WITH A ROTARY CUTTER, OPEN FRONT  
AND BACK OF WHEEL OPENING.  
DO NOT CUT TO PENCIL LINE.



BE SURE TO REMOVE ALL PLASTIC  
BITS AND DUST FROM INSIDE PANTS.



RUN THIN CA ON THE ENTIRE INSIDE SEAM.  
ROLLING THE PANT HELPS FLOW CA TO  
ENTIRE LENGTH OF SEAM.



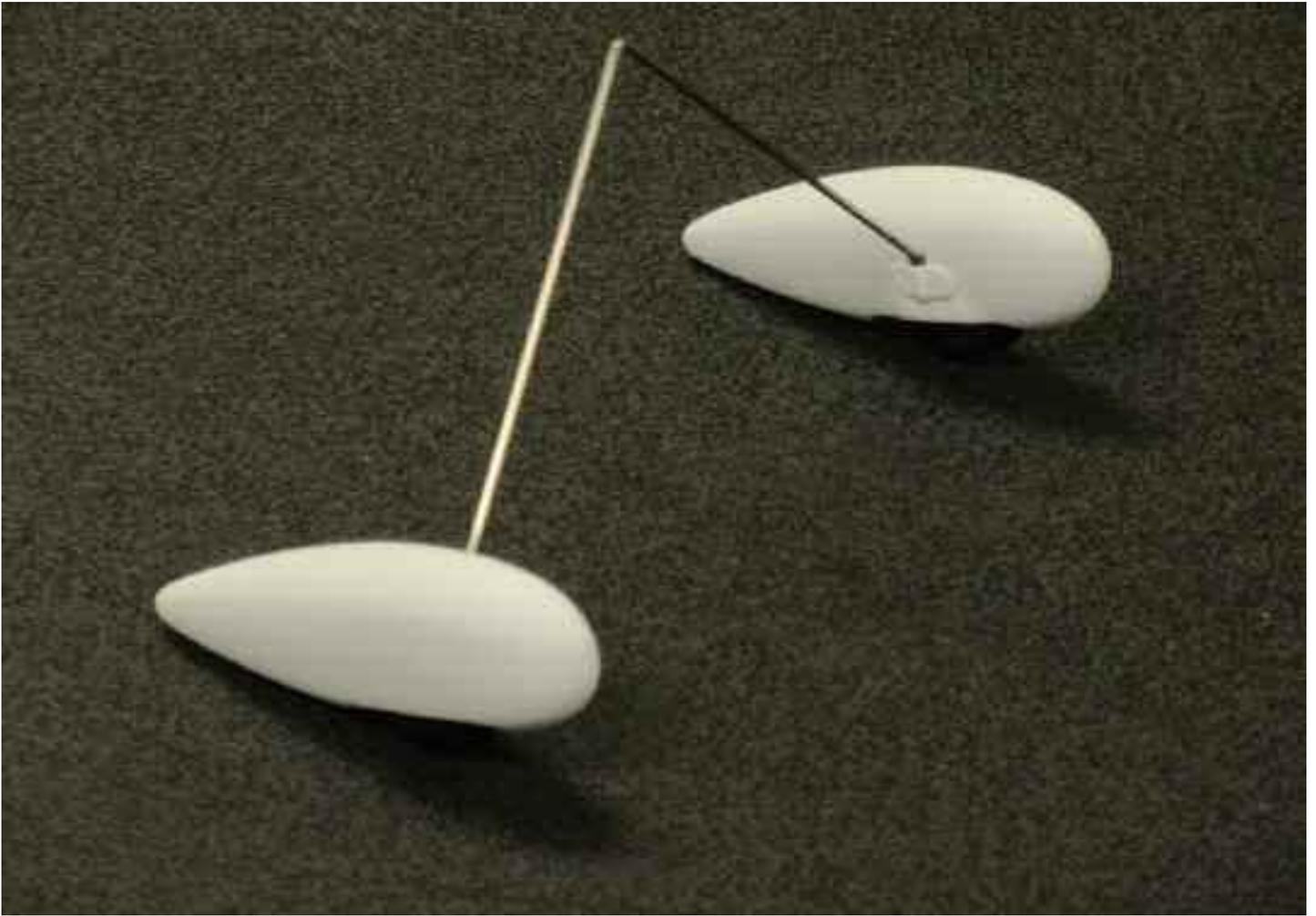
WHEN NO UNSET CA REMAINS, USE  
ROTARY CUTTER TO CLEAR WHEEL OPENING.



FINAL WHEEL OPENING DETAIL CAN BE FINISHED WITH A COMBINATION OF NEEDLE FILES AND/OR FINE GRIT SAND PAPER.



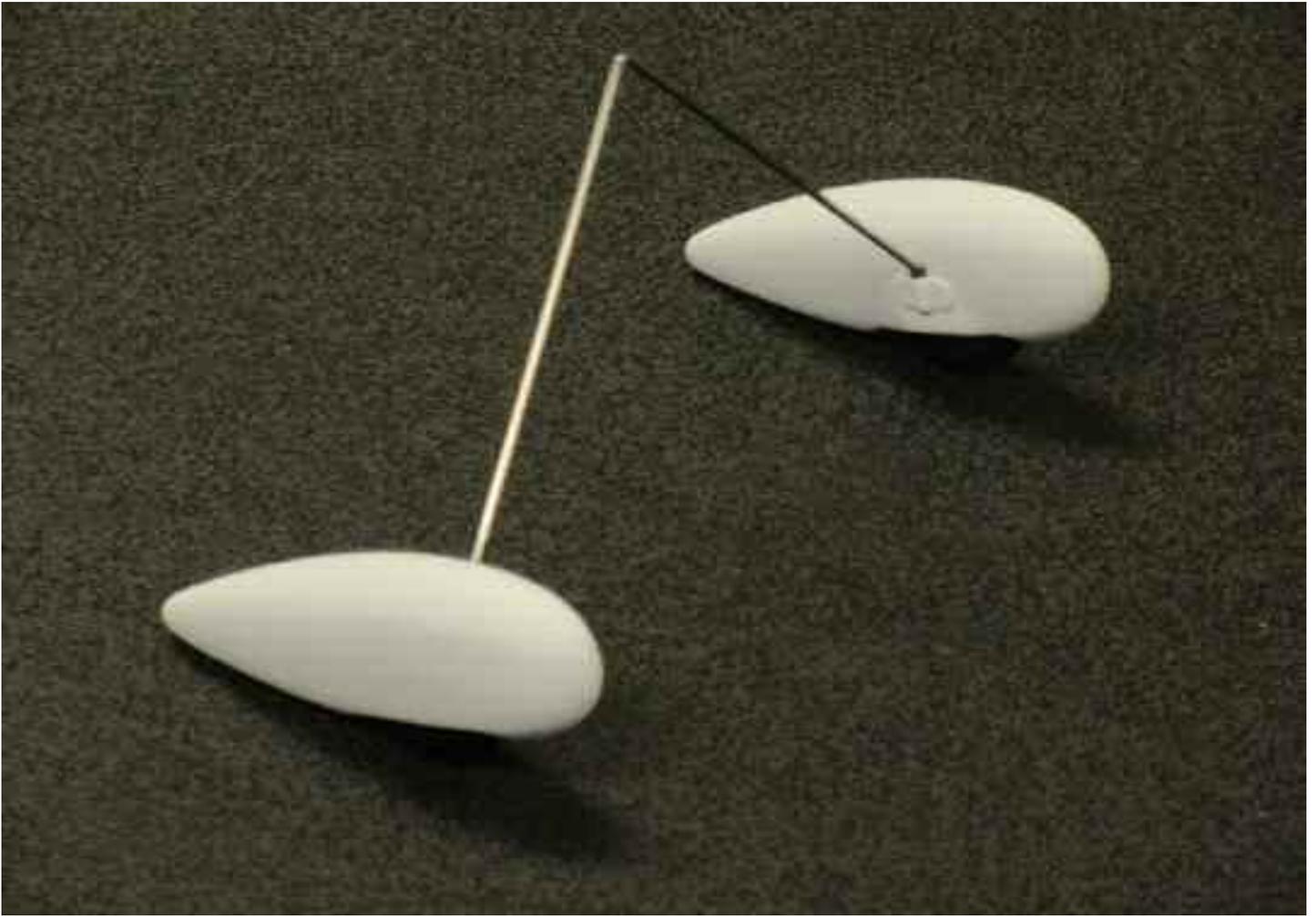
REMOVE CLEAR TAPE. WET SAND SEAMS EVEN WITH 400 GRIT PAPER.



FOR WIRE GEAR MOUNTING  
CONTINUE FROM PAGE 27.



FOR ALUMINUM GEAR MOUNTING  
PROCEED TO PAGE 42.



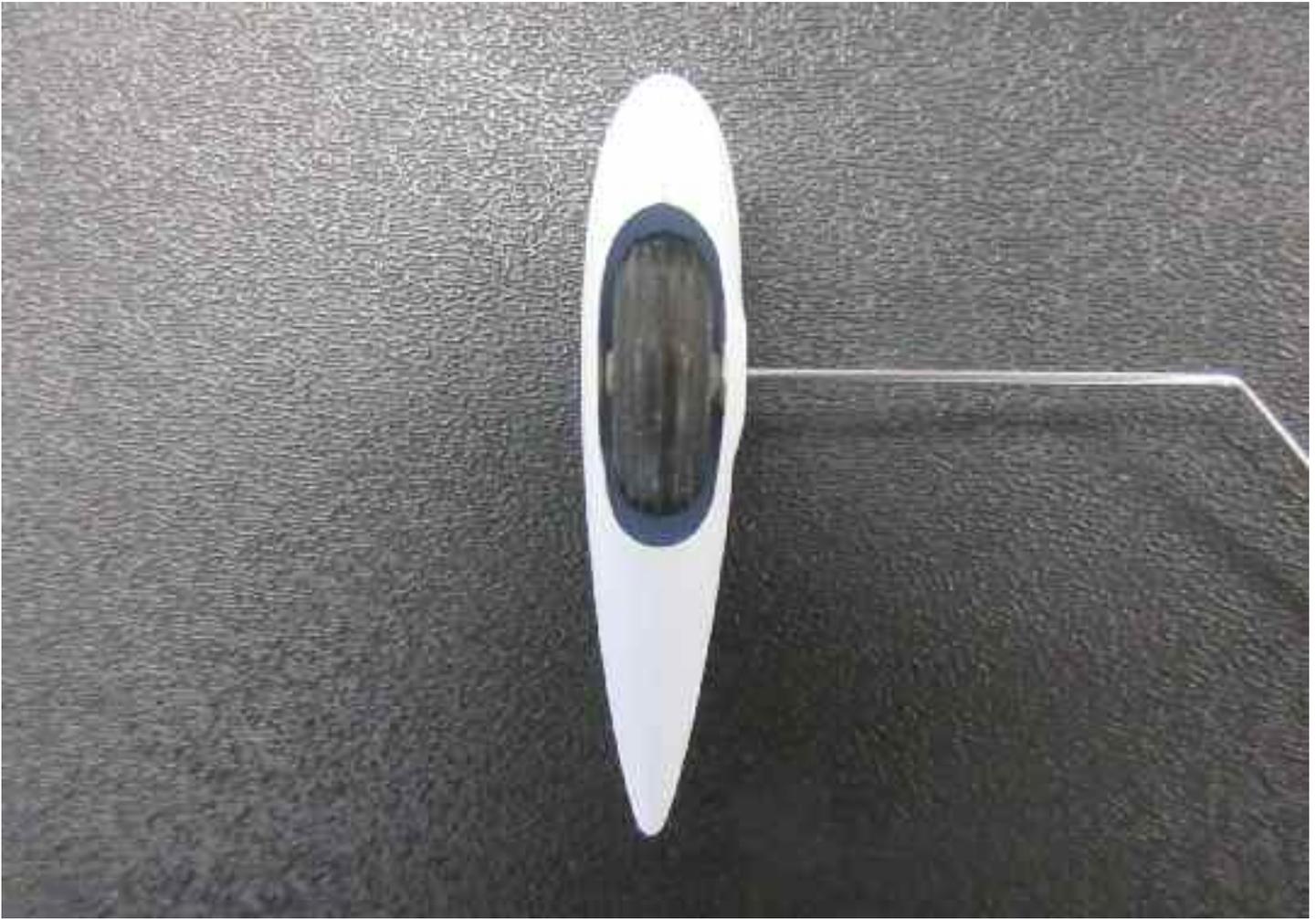
WIRE GEAR MOUNTING



USE A 1/16" DRILL BIT IN A ROTARY TOOL  
ON LOW SPEED TO SIZE WHEEL HUB FOR  
.064" WIRE AXLE.

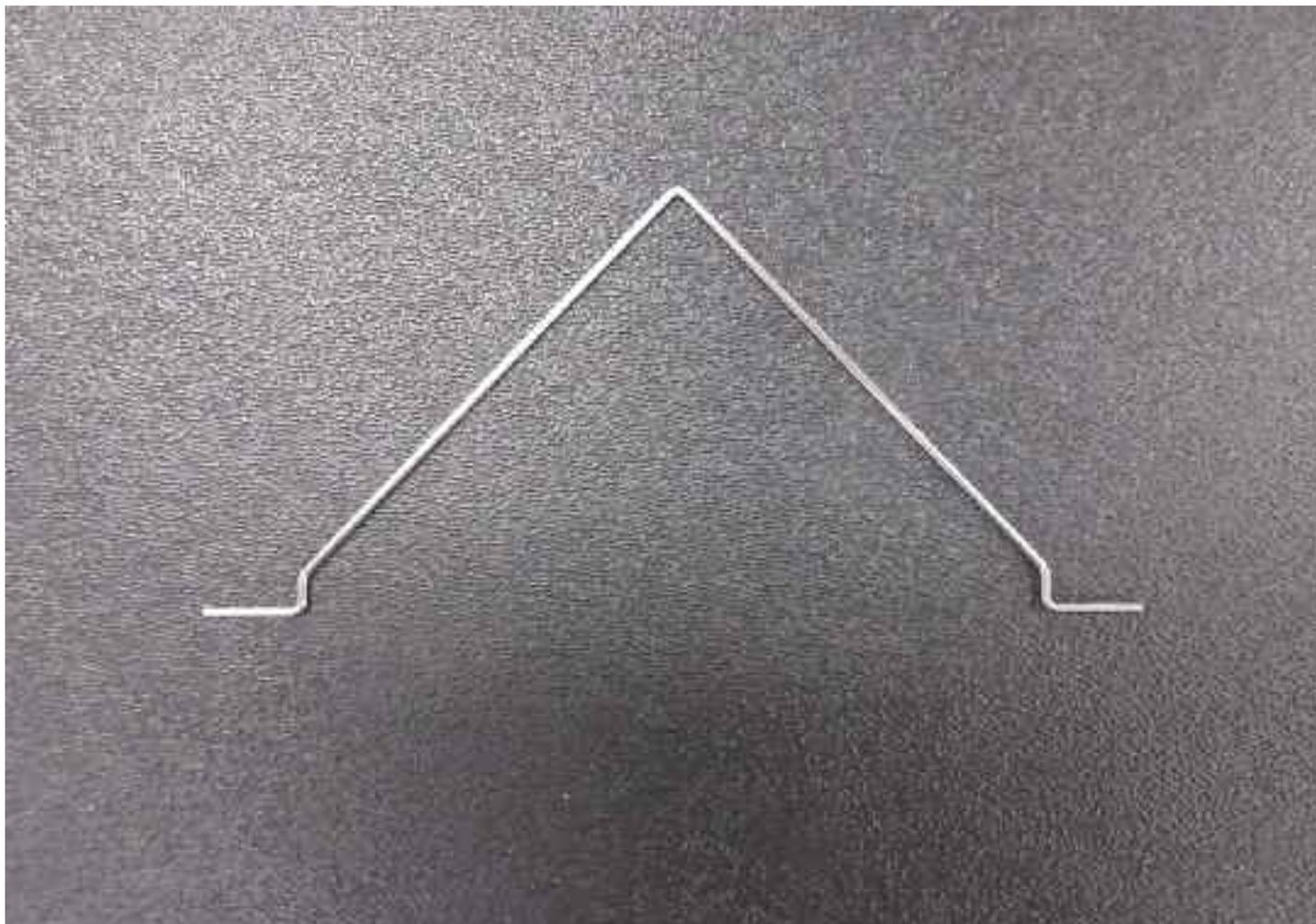


USE A 1/16" DRILL BIT IN A ROTARY  
TOOL ON LOW SPEED TO OPEN  
IN BOARD AXLE HOLE.

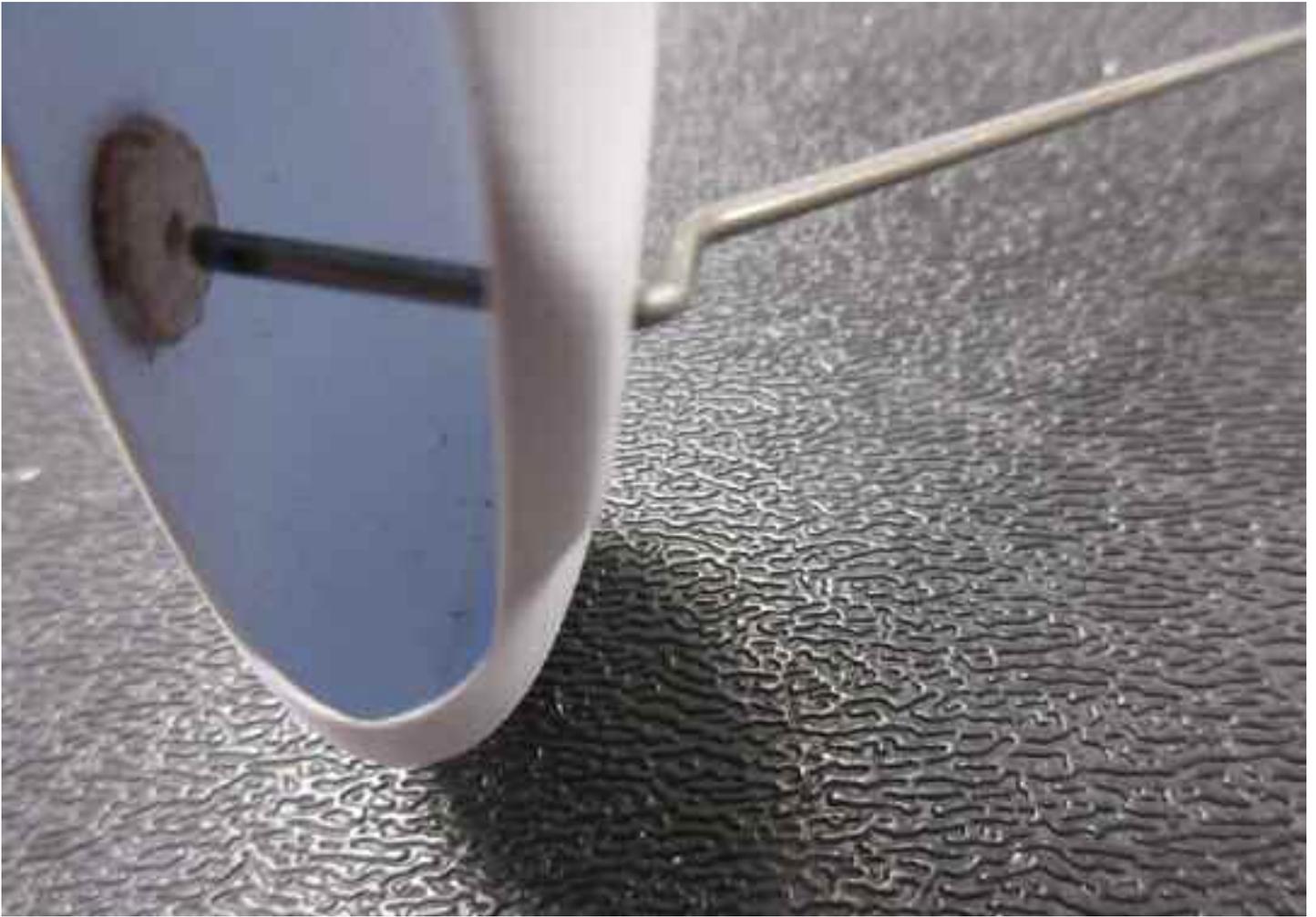


## TEST FIT WHEEL CLEARANCE.

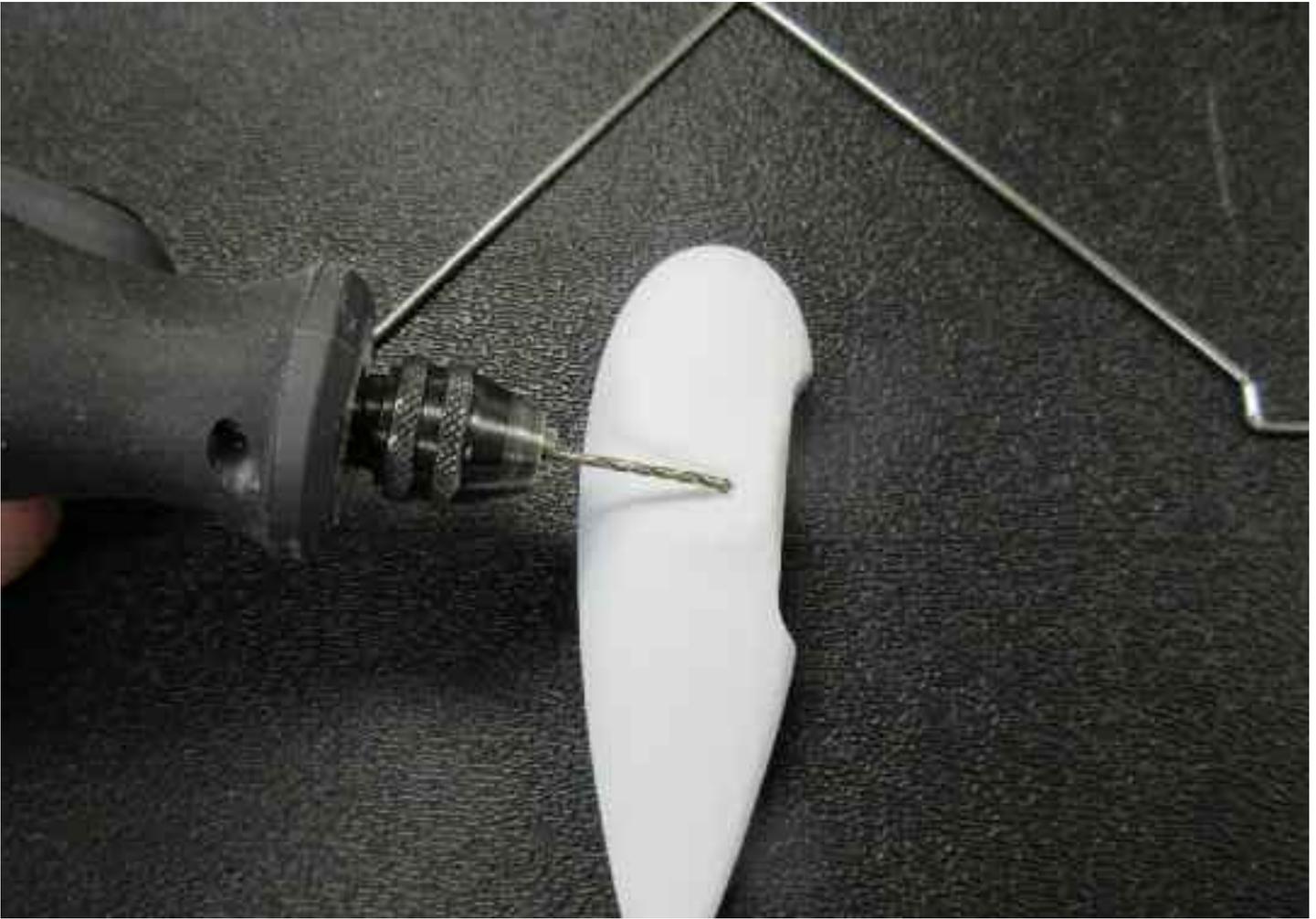
SPACERS IN WHEEL PANTS CAN BE SANDED TO ADJUST WHEEL SPACING. WHEELS SHOULD SPIN FREELY WITHOUT COMING INTO CONTACT WITH ANY PART OF THE PANT.



MAKE WIRE GEAR BY BENDING  
.064" WIRE TO FIT PATTERN.  
PATTERNS FOR YOUR SPECIFIC AIRPLANE CAN  
BE FOUND ON  
[Http://www.willynillies.info](http://www.willynillies.info)



THE BEND AT AXLE TO GEAR LOCATION  
WILL INTERFERE WITH PROPPER GEAR  
TO PANT SEATING.



USE A ROTARY TOOL WITH A 1/16" DRILL BIT TO RADIUS AXLE HOLE UNTIL UPRIGHT ON GEAR COMPLETELY SEATS ON PANT. AXLE LENGTH WILL NEED TO BE FINE TUNED DURING THIS PROCESS. AXLE SHOULD FULLY ENGAGE OUTBOARD WHEEL SPACER. BUT NOT PUT PRESSURE ON OUTBOARD SIDE OF PANT.



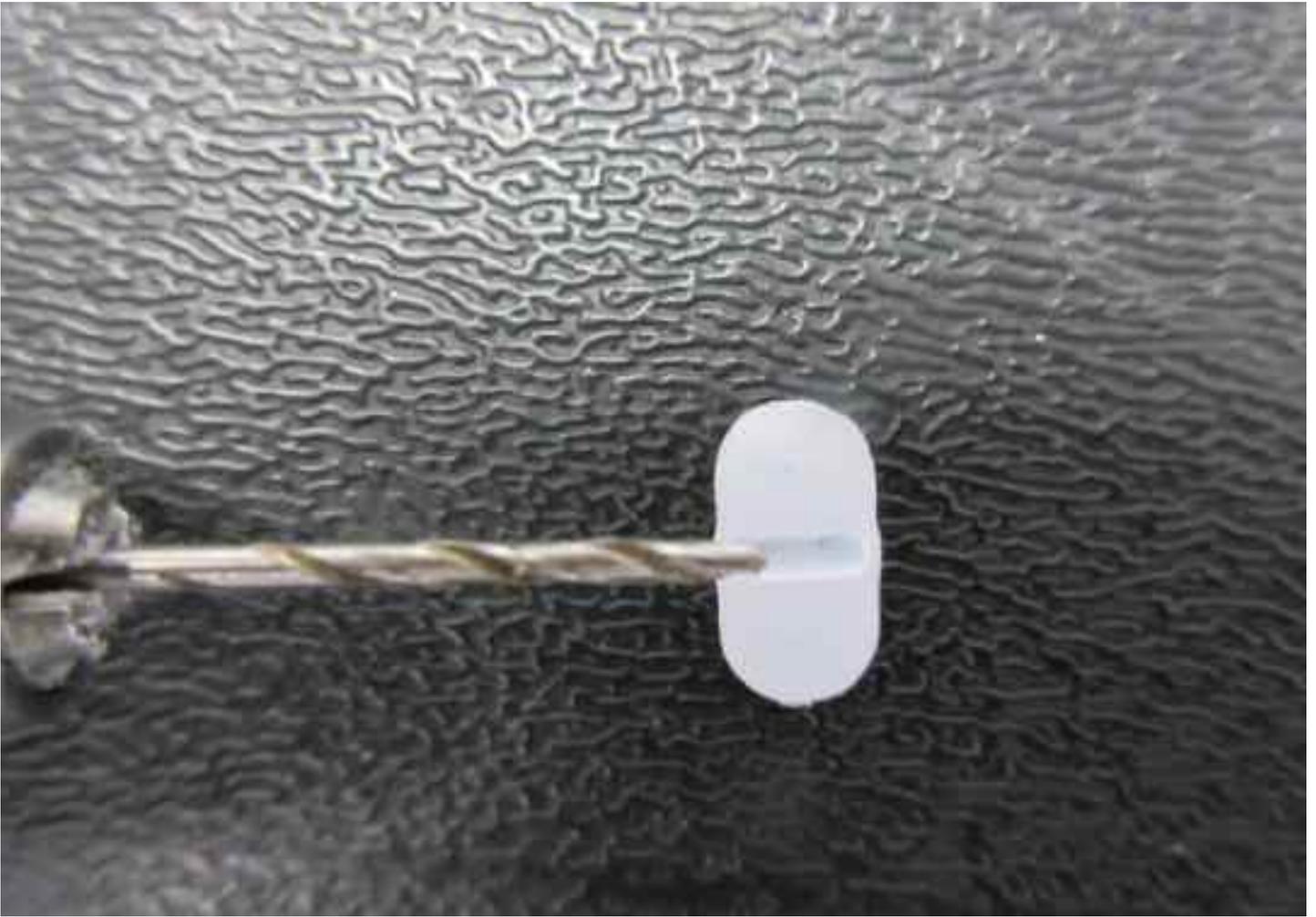
PART WIRE GEAR RETAINERS FROM SHEET.



WET SAND WIRE GEAR RETAINERS ON  
400 WET/DRY PAPER ATTACHED  
TO A FLAT SURFACE.



WET SAND WIRE GEAR RETAINERS DOWN  
TO FLAT SURFACE.



USE 1/16" DRILL BIT IN ROTARY TOOL TO  
OPEN ONE SIDE OF GROOVE IN WIRE  
GEAR RETAINER.



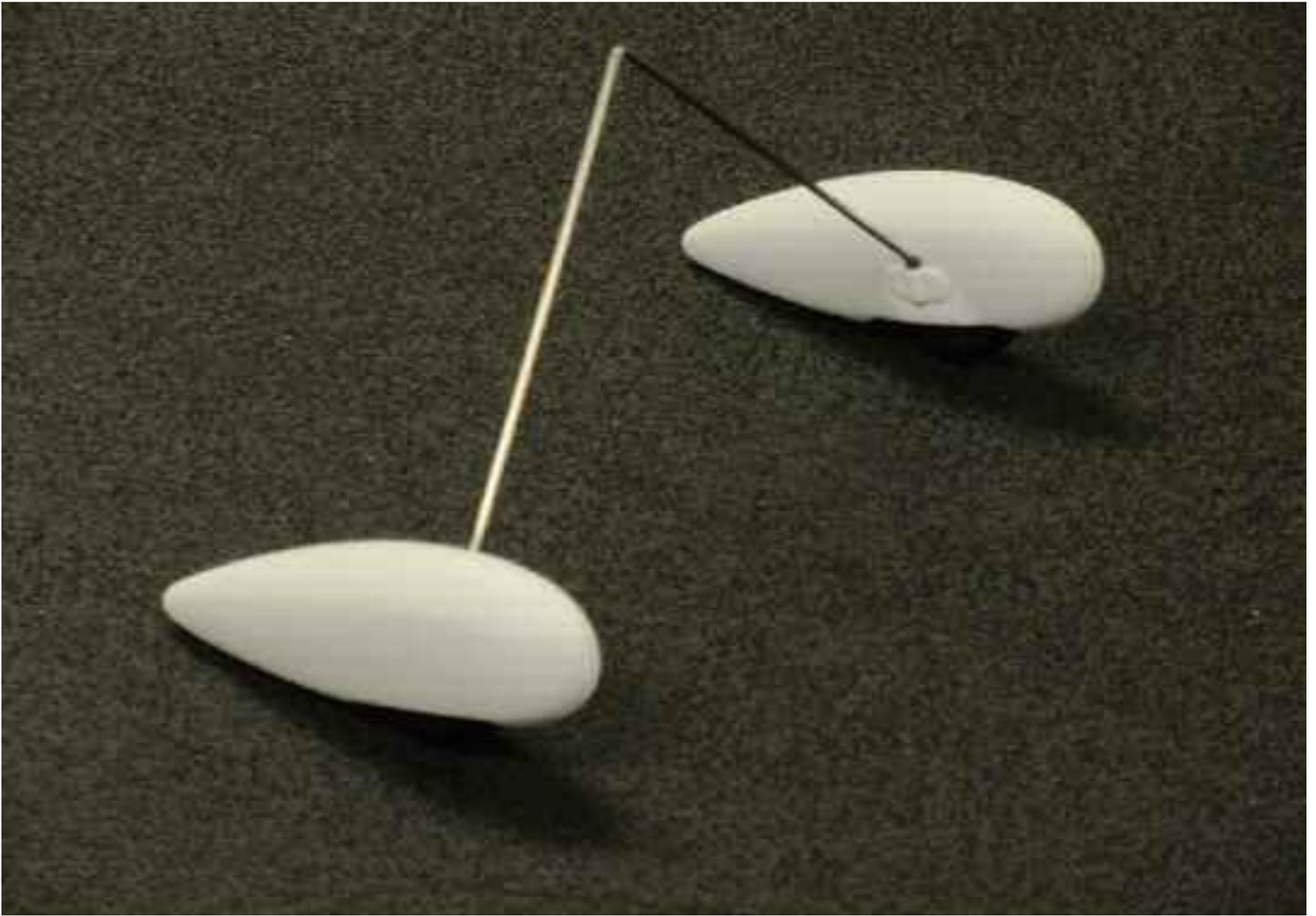
FINISHED WIRE GEAR RETAINER.



TEST FIT ASSEMBLY.



GLUE WIRE GEAR RETAINER WITH MEDIUM CA.



YOU ARE NOW READY TO FLY  
IN STYLE WITH YOUR NEW  
WILLYNILLIES.COM WHEEL PANTS.

ENJOY YOUR AIRPLANE'S NEW LOOK,  
AND PLEASE LEAVE US YOUR  
FEEDBACK AT [WILLYNILLIES.COM](http://WILLYNILLIES.COM).

*THANK YOU!*



ALUMINUM GEAR MOUNTING



USE A 3/32" DRILL BIT IN A ROTARY  
TOOL ON LOW SPEED TO SIZE WHEEL HUB  
TO A 2-56 SCREW AXLE.



USE A 3/32" DRILL BIT IN A  
ROTARY TOOL ON LOW SPEED TO  
OPEN AXLE HOLE. DO NOT DRILL  
INTO THE THREADS OF THE NUT  
INSIDE THE PANT.



USE A 3/32" DRILL BIT IN A ROTARY TOOL  
TO OPEN AXLE HOLE IN ALUMINUM GEAR.



TRIM AXLE SCREW TO LENGTH.  
AXLE SCREW SHOULD FULLY ENGAGE  
OUTBOARD WHEEL SPACER, BUT NOT  
PUT PRESSURE ON OUTBOARD SIDE OF PANT.



## TEST FIT WHEEL CLEARANCE

OUTBOARD SPACER IN WHEEL PANT CAN BE SANDED TO ADJUST WHEEL SPACING. INBOARD SPACING MAY REQUIRE THE ADDITION OF ONE WASHER BETWEEN WHEEL & NUT. WHEELS SHOULD SPIN FREELY WITHOUT COMING INTO CONTACT WITH ANY PART OF THE PANT.



APPLY A SMALL AMOUNT OF THREAD  
LOC TO THE THREADS JUST BELOW THE  
HEAD OF THE AXLE SCREW.



LIGHTLY TIGHTEN AXLE SCREW TO ALLOW  
ALIGNMENT ADJUSTMENT. TIGHTEN  
AXLE SCREW WHEN ALIGNED TO YOUR  
REQUIREMENTS.



USE THIN CA TO SECURE  
WHEEL PANT TO ALUMINUM GEAR.



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