



Willy Nillies

HOBBIES & CRAFTS

www.willynillies.com



**SNOW SHOE
BUILD MANUAL**

PREFACE

THANK YOU FOR PURCHASING YOUR NEW
WILLYNILLIES.COM SNOW SHOES.

THESE SNOW SHOES WERE SPECIFICALLY
DESIGNED FOR THE SIZE AND WEIGHT CLASS
OF THE SUB 250g WILLYNILLIES.COM AIR FRAMES.
THE SNOW SHOES ARE QUICK AND EASY TO PREPARE
FOR USE AND INSTALLATION WITHOUT ANY CHANGES
TO YOUR EXISTING LANDING GEAR.

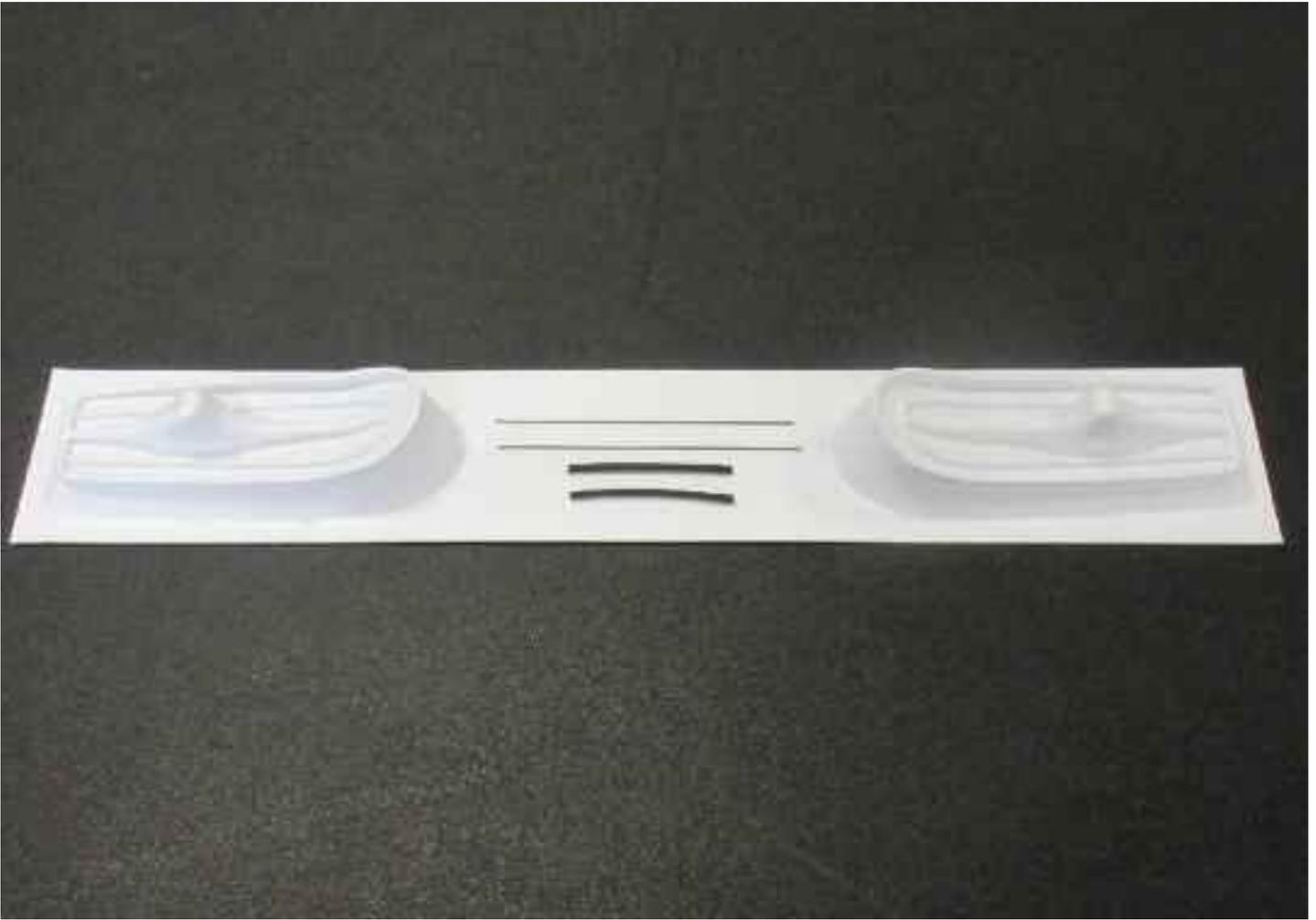
READ THROUGH THIS MANUAL, TAKE YOUR TIME,
AND YOU WILL HAVE AN ENJOYABLE BUILD AND
A BEAUTIFUL FINAL PRODUCT. YOU WILL BE HOPING
FOR SNOW WHEN YOU INSTALL YOUR NEW
WILLYNILLIES.COM SNOW SHOES.

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



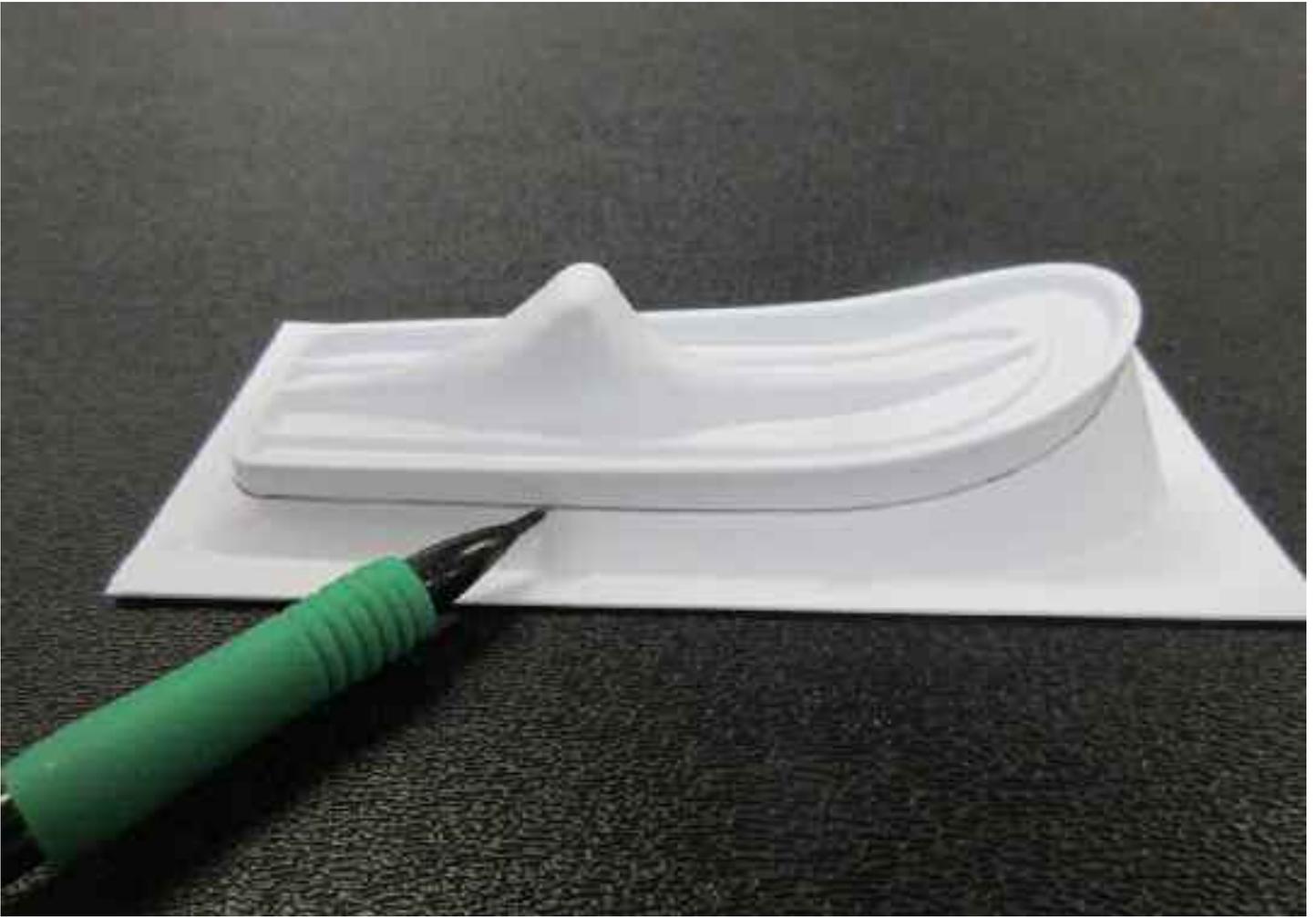
REQUIRED SUPPLIES

- MEDIUM CA
- THIN CA
- SHIPPING TAPE
- PLIERS
- HOBBY OR UTILITY KNIFE
- PENCIL
- ROTARY TOOL WITH 1/16" DRILL BIT
- 400 WET/DRY SAND PAPER



CONTENTS OF KIT

- (2) SOW SHOES - FIT RIGHT OR LEFT
- (2) 3 3/4" 0.032" WIRE
- (2) 2" HEAT SHRINK TUBING



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



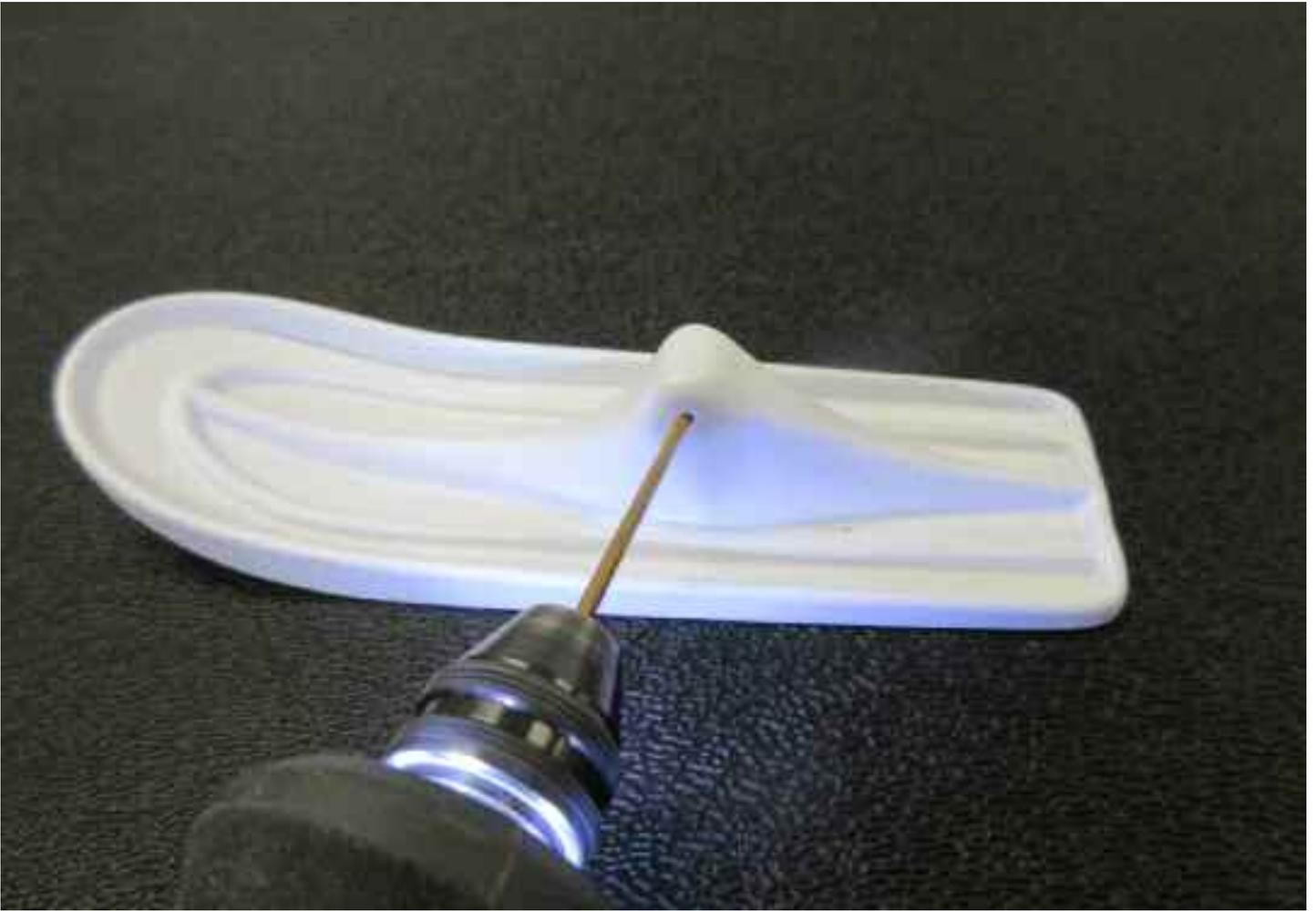
USING A NEW BLADE, MAKE A LIGHT
‘SCORE’ CUT ON PENCIL LINE.
FOLLOW WITH SECOND CUT TO REMOVE
PART FROM BASE. THIS WILL PREVENT
RUN AWAY CUTS AS IS COMMON WITH
POLY STYRENE.



1. ATTACH FULL SHEET OF 400 WET/DRY SANDPAPER TO FLAT SURFACE.
2. WET SAND WITH LIGHT PRESSURE AND LONG SLOW STROKES.
3. DO NOT APPLY ANY PRESSURE TO CENTER OF SNOW SHOES. THE ONLY MATERIAL TO BE REMOVED IS ON THE OUTSIDE BOTTOM EDGE AT THE CUT LINE.
4. CHECK OFTEN TO ENSURE EVEN REMOVAL. THE SIDES SHOULD BE FLUSH WITH BOTTOM ALL THE WAY AROUND.



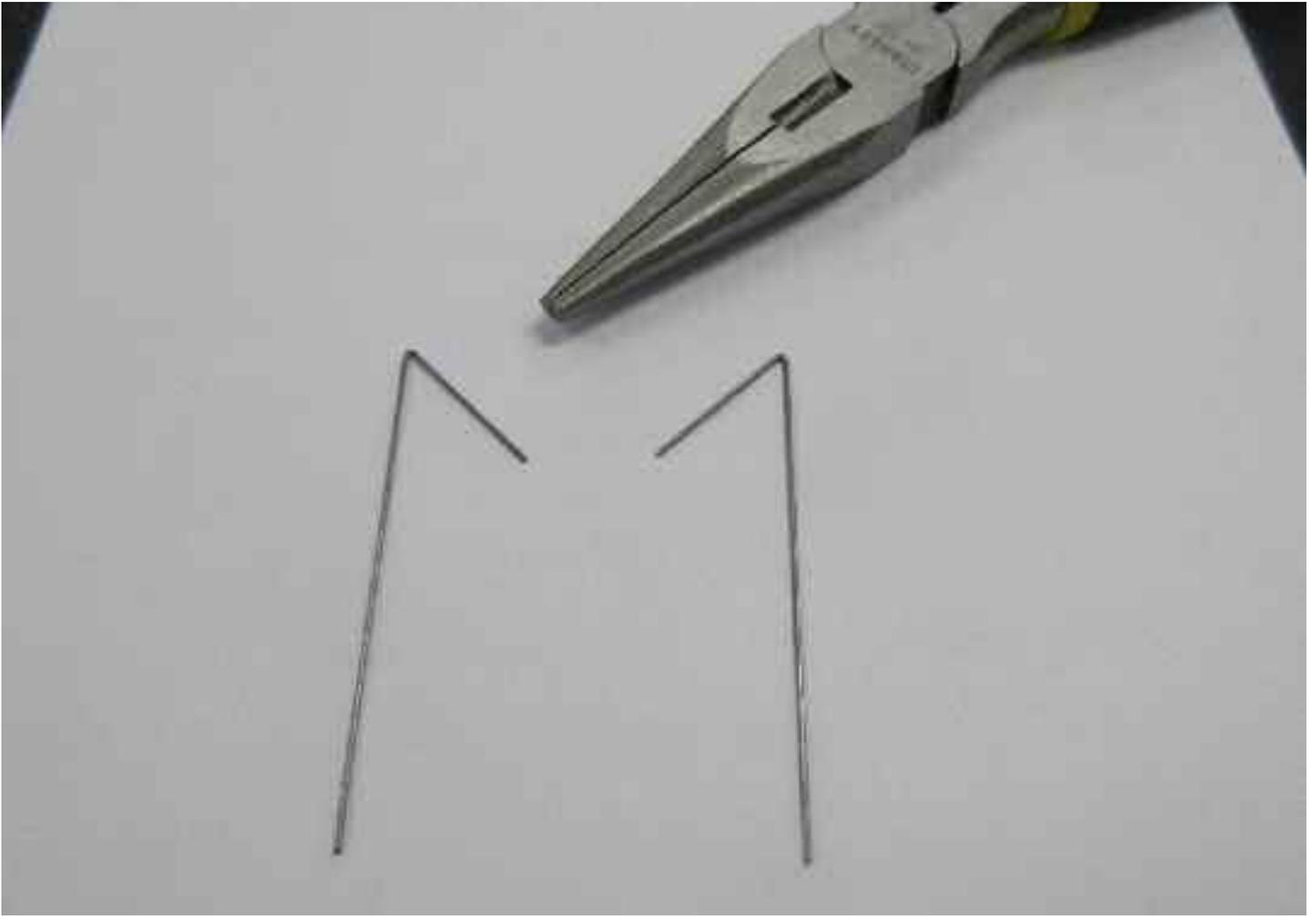
WET SAND OUTER EDGES UNTIL
FLUSH WITH BOTTOM OF SHOE.



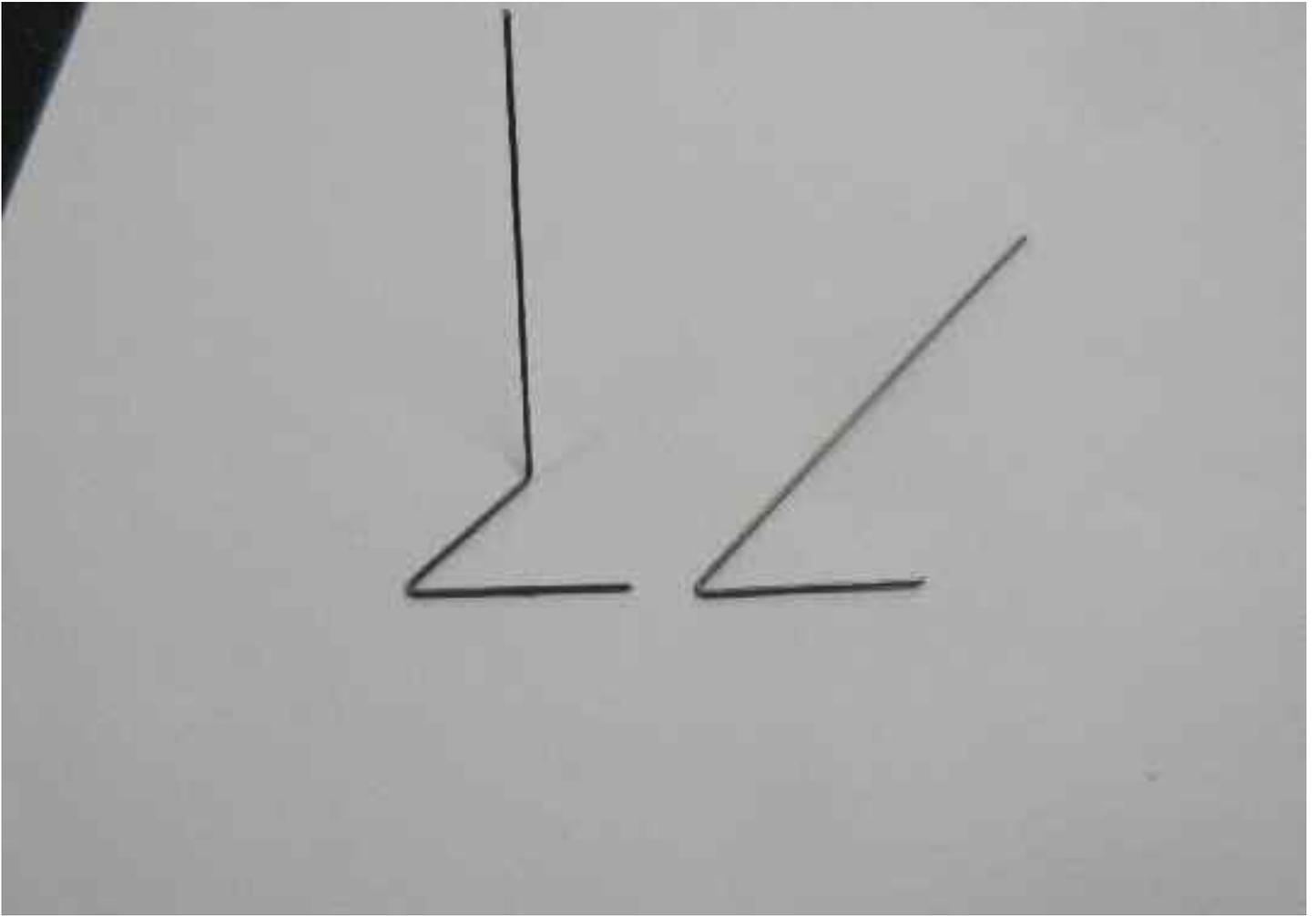
USING A ROTARY TOOL WITH 1/16" DRILL BIT
ON LOW SPEED, OPEN AXLE HOLES AT DIMPLE.



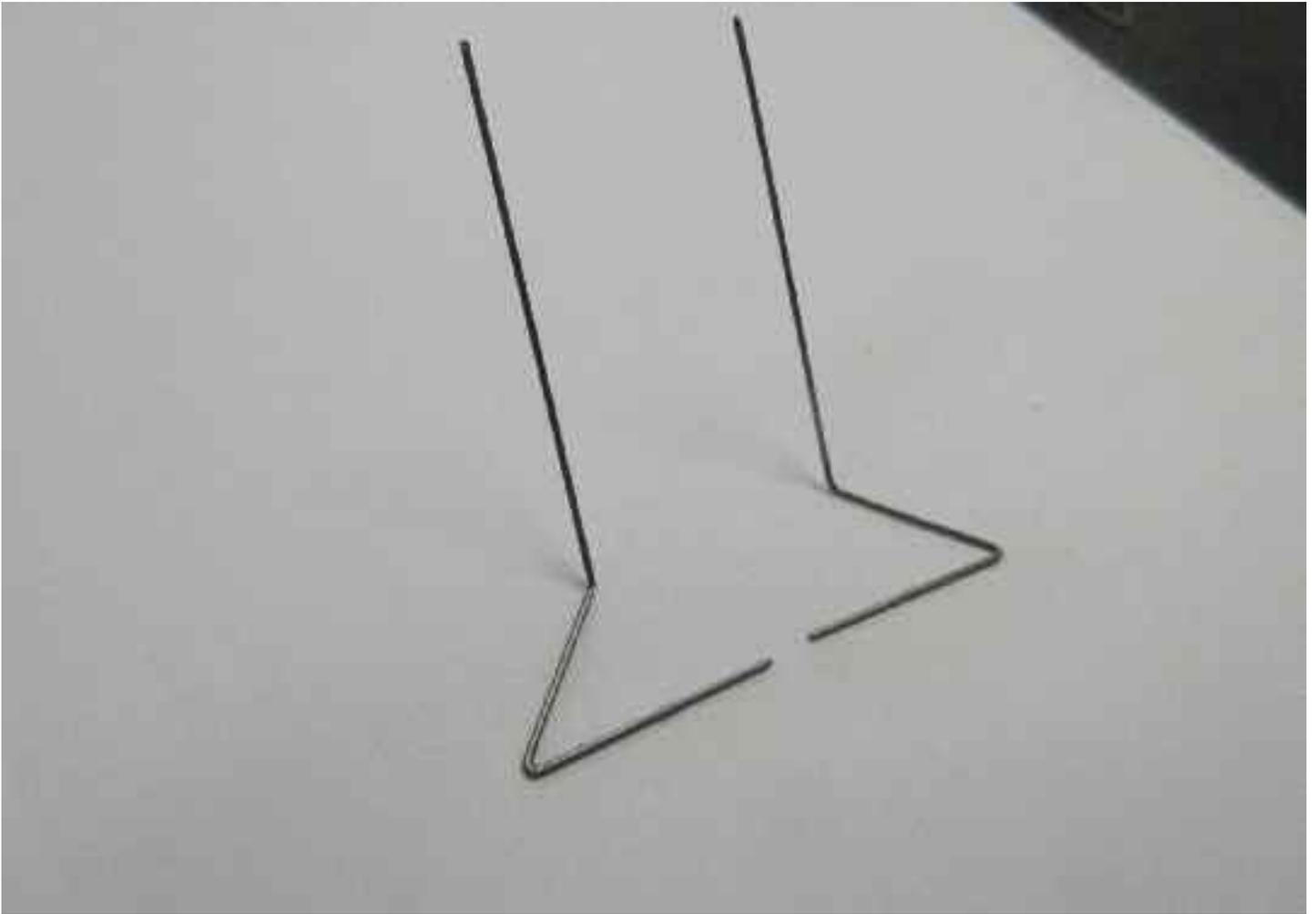
AT THE POINTS INDICATED IN RED,
USE A ROTARY TOOL WITH 1/16" DRILL BIT
ON LOW SPEED TO OPEN HOLES FOR
STABILIZER WIRE. THESE POINTS
ARE JUST PAST THE FLATS. DRILL ONLY
ONE SIDE OF SHOE.
DRILL OPPOSITE SIDE ON OTHER SHOE.
THESE WILL BE THE INBOARD SIDE.



AT 1" FROM THE END OF EACH ROD
MAKE A 45 DEGREE BEND.



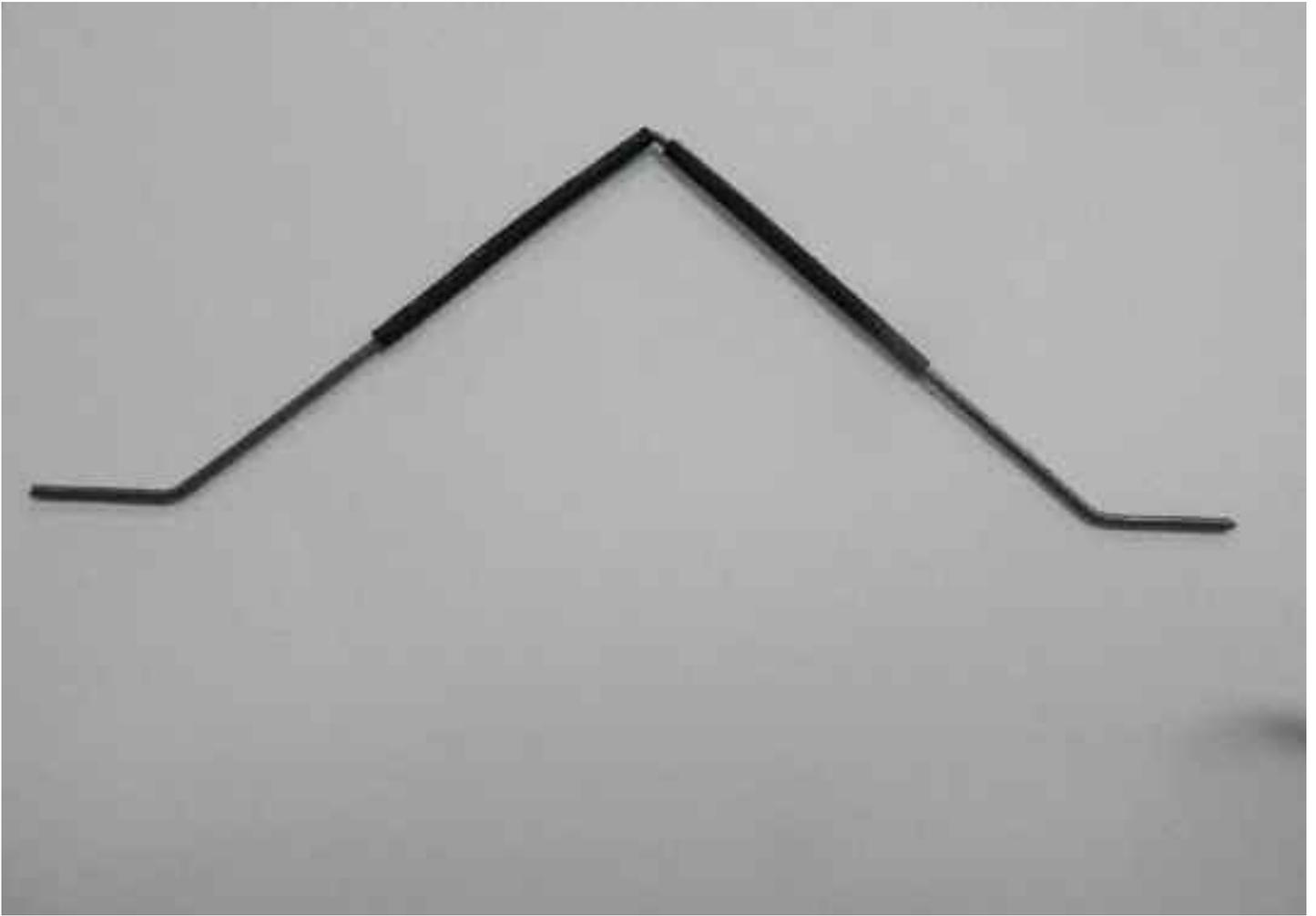
AT 3/4" FROM 45 DEGREE BEND
MAKE A 135 DEGREE BEND PERPENDICULAR
TO 1" LEG OF WIRE.



BEND OPPOSITE STABILIZER
WIRE TO MIRROR THE OTHER SIDE.



INSTALL STABILIZER WIRES
FROM BACK TO FRONT.



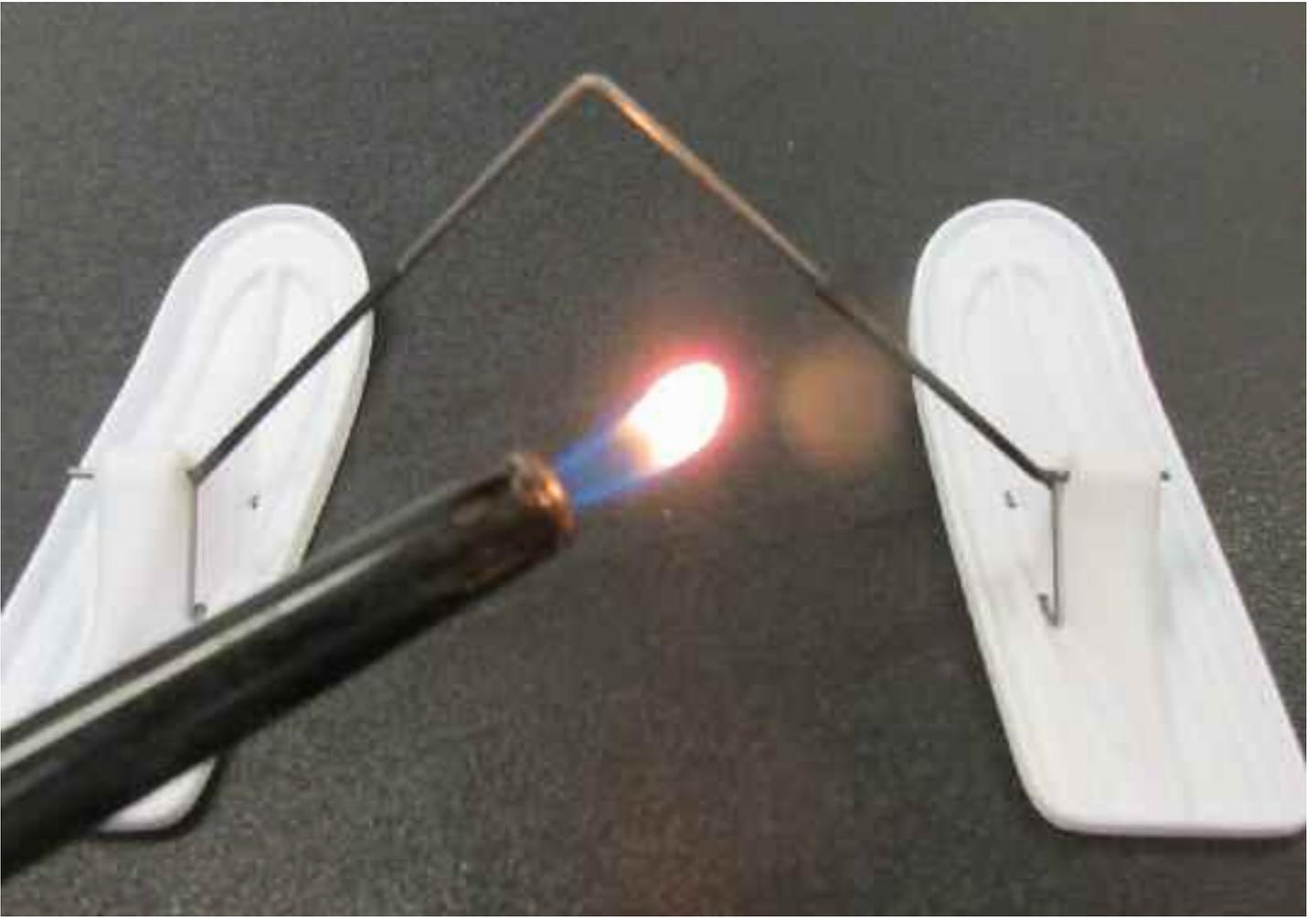
SLIDE HEAT SHRINK TUBES
ONTO GEAR LEGS.



SLIDE STABILIZER WIRE INTO HEAT
SHRINK TUBE AND START
AXLE INTO SHOE HUB.



SLIDE HEAT SHRINK TUBE
DOWN THE LEG TO THE AXLE.



SHRINK TUBING WITH HEAT
BEING CAREFUL TO SHIELD SNOW
SHOES. DO NOT EXPOSE SHOES TO HEAT.



AS A FINAL SECURITY
RUN THIN CA INTO HEAT
SHRINK TUBE.



INSTALL RETAINERS FROM YOUR
WILLYNILLIES.COM AIRPLANE KIT OR
OTHER RETAINERS OF YOUR CHOICE.



SNOW SHOES SHOULD BOTH
SET FLAT ON SURFACE WITH
LANDING GEAR PERPENDICULAR
TO SURFACE. ADJUST SHOES
BY BENDING STABILIZER WIRE.



APPLY SHIPPING TAPE TO BOTTOM
OF SHOES. TRIM TAPE AT EDGE
AND TUCK INTO GROOVE AROUND THE PERIMETER.



SNOW SHOES COMPLETE.

WE SUGGEST THAT YOU INSTALL YOUR NEW WILLYNILLIES.COM SNOW SHOES ON YOUR PLANE THAT HAS ALREADY BEEN MAIDENED WITH BALANCE AND TRIMS ADJUSTED AND YOU ARE COMFORTABLE FLYING

THE FLAT BOTTOM OF THE SHOES SHOULD BE PARALLEL TO THE BOTTOM OF THE WING.
(THE FAA SUGGESTS 1 DEGREE POSITIVE.)

CHECK YOUR BALANCE AND ADJUST ACCORDINGLY.

YOU ARE NOW READY TO FLY IN STYLE
THIS WINTER WITH YOUR NEW
WILLYNILLIES.COM SNOW SHOES.

ENJOY YOUR AIRPLANES NEW LOOK
AND WINTER WEATHER CAPABILITIES.

PLEASE GIVE US YOUR FEEDBACK AT
WILLYNILLIES.COM.

THANK YOU!