

# KWIC-KLIP INSTALLATION INSTRUCTIONS

## A. INSIDE EXTRUSION (SEE FIG. 1)

1. THIS PART OF KWIC-KLIP IS TO BE RIGIDLY ATTACHED TO GREENHOUSE AND BECOMES THE NON-REMOVABLE HALF OF THE DEVICE.
2. THE USE OF SELF-DRILLING SCREWS MAKES INSTALLATION OF THIS PIECE QUITE SIMPLE. IT CAN ALSO BE DRILLED AND ATTACHED WITH REGULAR SCREWS. PLACE SCREWS BETWEEN SCREW LOCATOR RIDGES. (SEE FIG. 1)

NOTE: #10 X 1" STAINLESS STEEL DRILL POINT SCREWS ARE RECOMMENDED WHEN ATTACHING TO WOOD. #10. X 5/8" DRILL POINT SCREWS ARE RECOMMENDED WHEN ATTACHING TO METAL.

3. THE DEEPEST GROOVE ON THE INSIDE EXTRUSION MUST FACE TOWARD AREA BEING COVERED.
4. ON FLAT SURFACES, SCREWS SHOULD BE PLACED ON 12 INCH (MAXIMUM) CENTERS. LOCATE END SCREWS ON EACH INSIDE EXTRUSION APPROXIMATELY 1 INCH FROM END OF EXTRUSION. (SEE FIG. 3 & 5)

ON ROUND SURFACES, SUCH AS PIPE, SCREWS SHOULD BE PLACED ON 6 INCH (MAXIMUM) CENTERS. LOCATE END SCREWS ON EACH INSIDE EXTRUSION APPROXIMATELY 1 INCH FROM END OF EXTRUSION. (SEE FIG. 4 & 6)

5. LONG RUNS OF KWIC-KLIP SHOULD BE KEPT AS STRAIGHT AS POSSIBLE. A TIGHTLY STRETCHED STRING ALONG TOP OF RUN WILL HELP WITH THIS.
6. THE ENDS OF ADJOINING 10 FOOT SECTIONS SHOULD BE ALIGNED AS CLOSELY AS POSSIBLE. A 4 INCH PIECE OF OUTSIDE EXTRUSION LOCKED OVER THE JOINT OF ADJACENT SECTIONS WILL AID GREATLY WITH THIS TASK.

## B. OUTSIDE EXTRUSION (SEE FIG. 2)

1. POSITION PLASTIC FILM COVER OVER STRUCTURE TO BE COVERED WITH AT LEAST 2 INCHES OF COVER EXTENDING PAST INSIDE EXTRUSION. (SEE FIG. 7)
2. PLACE OUTSIDE EXTRUSION OVER COVER AND INSIDE EXTRUSION AS SHOWN IN FIG. 9.

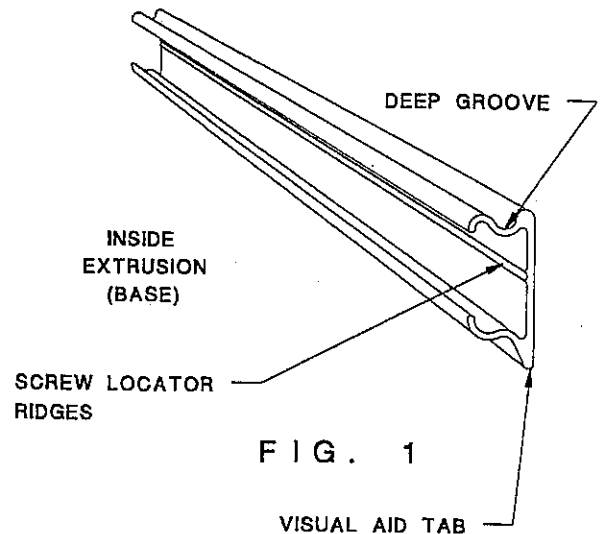


FIG. 1

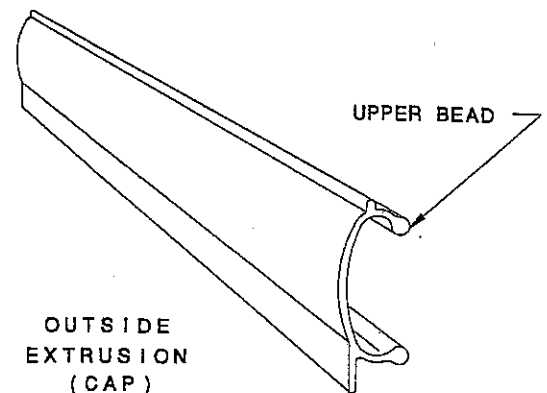


FIG. 2

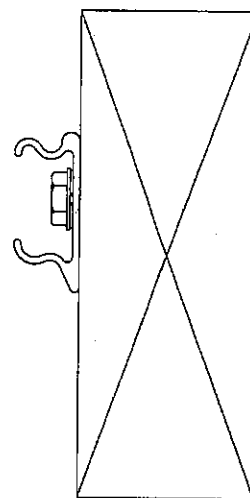


FIG. 3

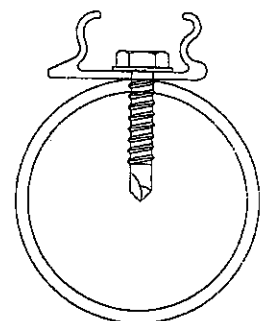


FIG. 4

HINT: BEFORE ATTEMPTING TO USE THIS CLIP OR ANY OTHER CLIP FOR THE FIRST TIME, PRACTICE. JUST 5 MINUTES OF PRACTICE WITH AN OLD PIECE OF SCRAP POLY WILL MAKE THINGS HAPPEN MUCH EASIER.

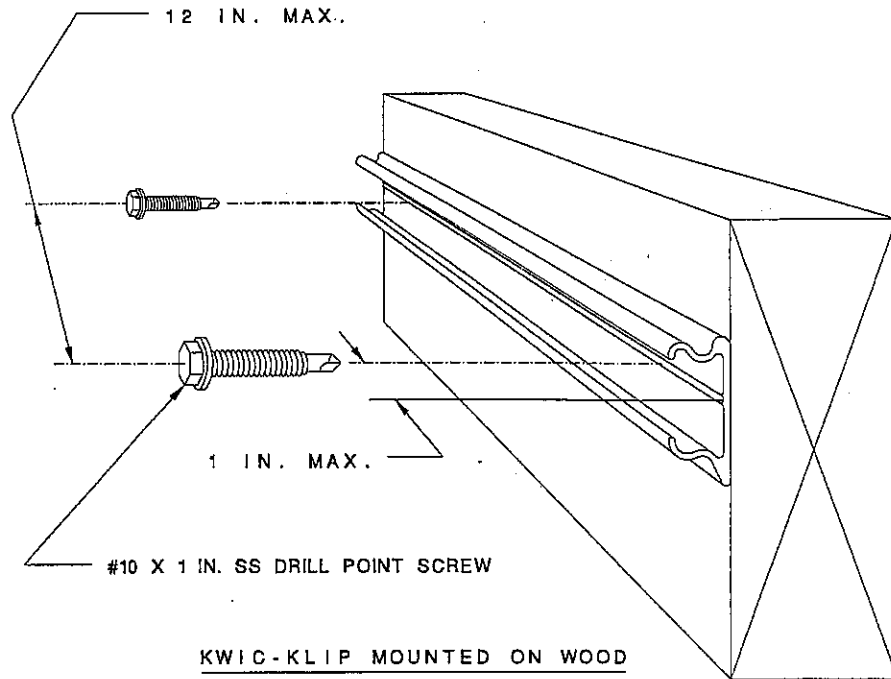


FIG. 5

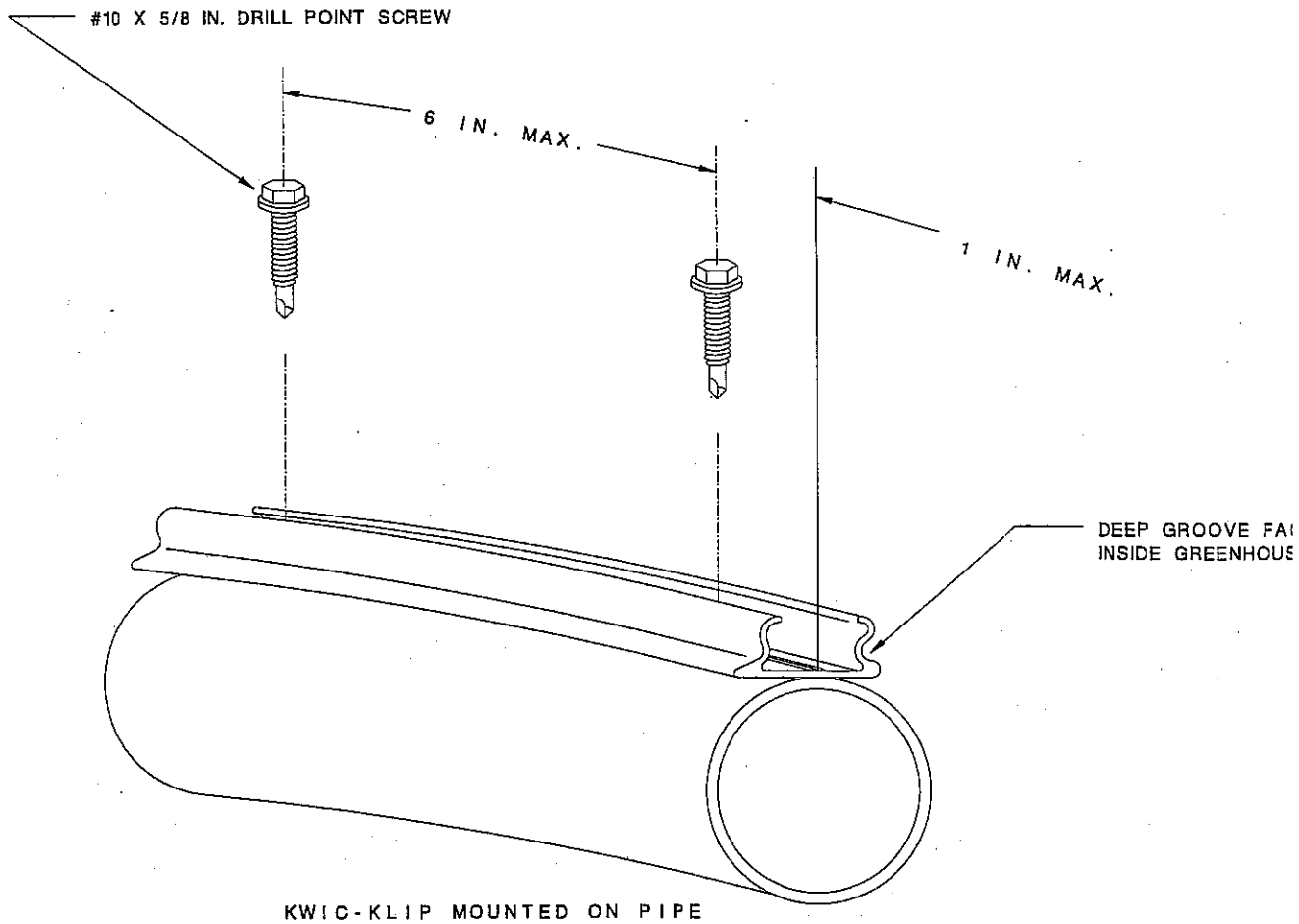


FIG. 6

3. SHORT RUNS OF KWIC-KLIP MAY BE INSTALLED BY HAND BUT ON LONGER RUNS A SOFT RUBBER Mallet IS ESSENTIAL.
4. SEE FIG. 10 FOR THE PROPER USE OF THE RUBBER Mallet. THE NUMBERS 1-6 SHOW THE PROPER POSITION AND SEQUENCE OF STRIKES THE RUBBER Mallet SHOULD MAKE TO PROPERLY SEAT UPPER BEAD IN DEEP GROOVE (1, 2, 4, 5) AND SNAP CLIP INTO HOLDING POSITION (3, 6).

### C. TO REMOVE KWIC-KLIP

1. BEGIN AT ONE END OF OUTSIDE EXTRUSION AND LIFT TAB WITH FINGERS. AS THE PIECE SNAPS OFF, PROGRESS THROUGH THE REMAINING LENGTH. DO NOT PULL PIECE OFF WHILE HOLDING ONE END. THIS WILL RESULT IN BENDING CAP TO A POINT THAT IT WILL HAVE TO BE REPLACED.

### D. STORAGE

1. SIMPLY UNCLIP OUTSIDE EXTRUSION, REMOVE PLASTIC FILM COVER AND RECLIP ON TO INSIDE OF EXTRUSION. IF COVER IS TO BE DISGARDED, JUST CUT COVER AWAY FROM CLIP AND LEAVE SCRAP BETWEEN KWIC-KLIP PIECES UNTIL RECOVERING TIME.

### E. HINTS FOR BETTER KWIC-KLIP INSTALLATION

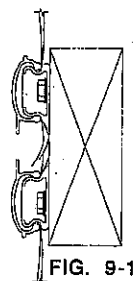
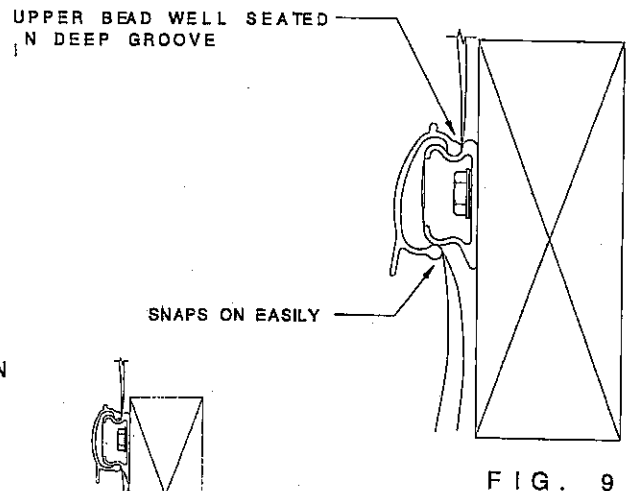
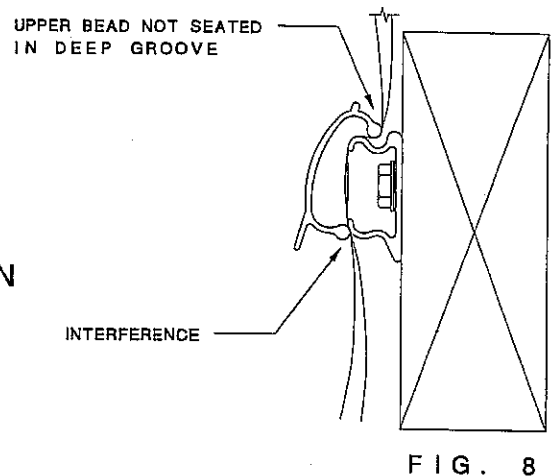
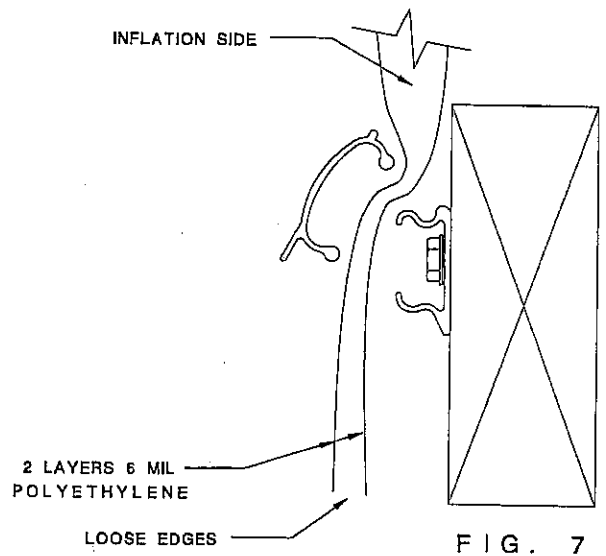
1. MOUNTING SURFACES SHOULD BE FAIRLY STRAIGHT AND RIGID TO PROVIDE STRUCTURAL SUPPORT AND OVERALL INTEGRITY TO THE WHOLE SYSTEM.
2. USE STAINLESS STEEL SCREWS WHEN MOUNTING BASE KWIC-KLIP TO SALT TREATED LUMBER (WOLMANIZED FOR EXAMPLE), ESPECIALLY IN AREAS THAT STAY DAMP, TO PREVENT CORROSION FAILURE OF SCREWS.
3. SCREW SPACING:
  - 12 INCHES MAXIMUM ON FLAT SURFACES
  - 6 INCHES MAXIMUM ON ROUND SURFACES

**CAUTION:** EXCEEDING THESE RECOMMENDED DISTANCES WILL GREATLY REDUCE KWIC-KLIP'S HOLDING STRENGTH.

4. THE BASE-DEEP GROOVE SHOULD ALWAYS FACE THE MAIN BODY OF POLY (TOWARD LOAD)

### IMPORTANT

KWIC-KLIP IS NOT DESIGNED TO JOIN 2 PIECES OF PLASTIC. DO NOT ATTACH A SECOND SECTION OF PLASTIC BELOW THE BOTTOM KLIP. TO ADD A SECOND SECTION OF PLASTIC A SECOND RUN OF KWIC-KLIP WOULD NEED TO BE ADDED. SEE FIG. 9-1



## F. CAP INSTALLATION

HOLD CAP INTO POSITION. START AT ONE END OF THE CAP SECTION, SEAT IT INTO THE DEEP GROOVE OF THE BASE AND SNAP ON THE FIRST 6 INCHES OF THE CAP WITH THE RUBBER Mallet. WORK ALONG THE PIECE 6 TO 12 INCHES AT A TIME, ALWAYS SEATING THE CAP BEAD INTO THE BASE DEEP GROOVE FIRST AND THEN SNAPPING THE CAP ON WITH THE RUBBER Mallet. KWIC-KLIP USED IN THIS MANNER, WILL BE VERY EASY TO USE AND QUITE SERVICEABLE.

**CAUTION:** CAP BEAD MUST BE SEATED WELL INTO DEEP GROOVE BEFORE SNAPPING OR CUTTING OF THE POLY MAY OCCUR.  
REMOVE ANY DEBRIS THAT MAY HAVE COLLECTED IN GROOVE DURNING CONSTRUCTION.

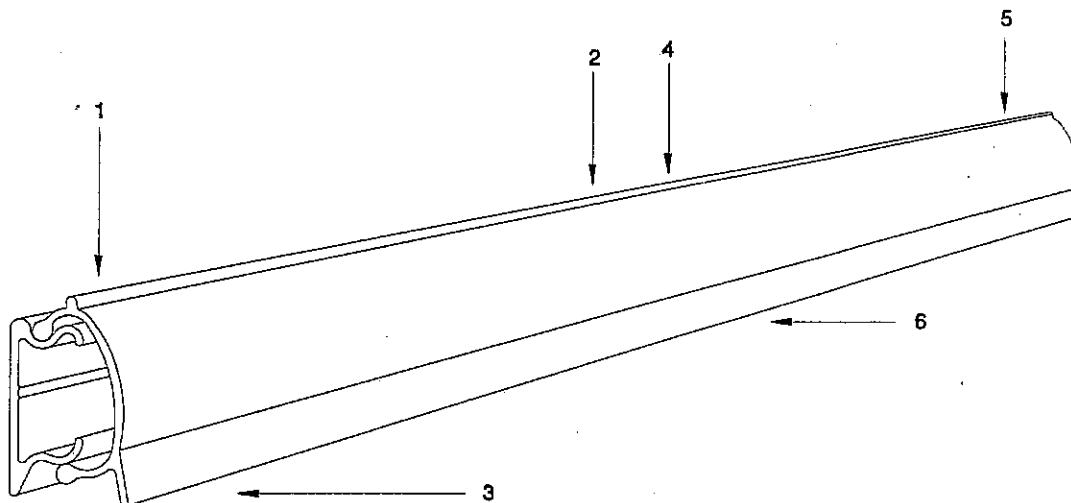


FIG. 10

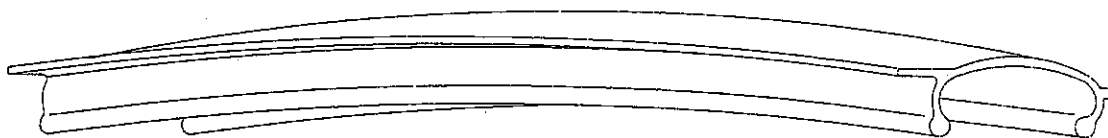


FIG. 11

## G. END BOWS

1. KWIC-KLIP WORKS WELL ON END BOWS OF GREENHOUSE ALSO. FOR THIS PURPOSE, THE TOP CAP MAY BE PURCHASED PREBENT IN 6 INCH LONG PIECES TO FACILITATE ITS INSTALLATION. THE BASE IS INSTALLED ON TOP OF THE BOW (IN OTHER WORDS, WHERE A BIRD WOULD SIT) AND BENT TO CONFORM TO THE BOW SHAPE AS IT IS BEING ATTACHED TO BOW. (SEE FIG. 6)
2. INSTALL THE SHORT TOP CAP PIECES AROUND BOW SEATING IT IN THE DEEP GROOVE AND SNAPPING IN PLACE WITH A RUBBER Mallet. WITH 6 INCH PREBENT IT IS OFTEN POSSIBLE TO SNAP CAP ONTO BASE BY SIMPLY PULLING DOWN WITH YOUR HAND. (SEE FIG. 11 FOR

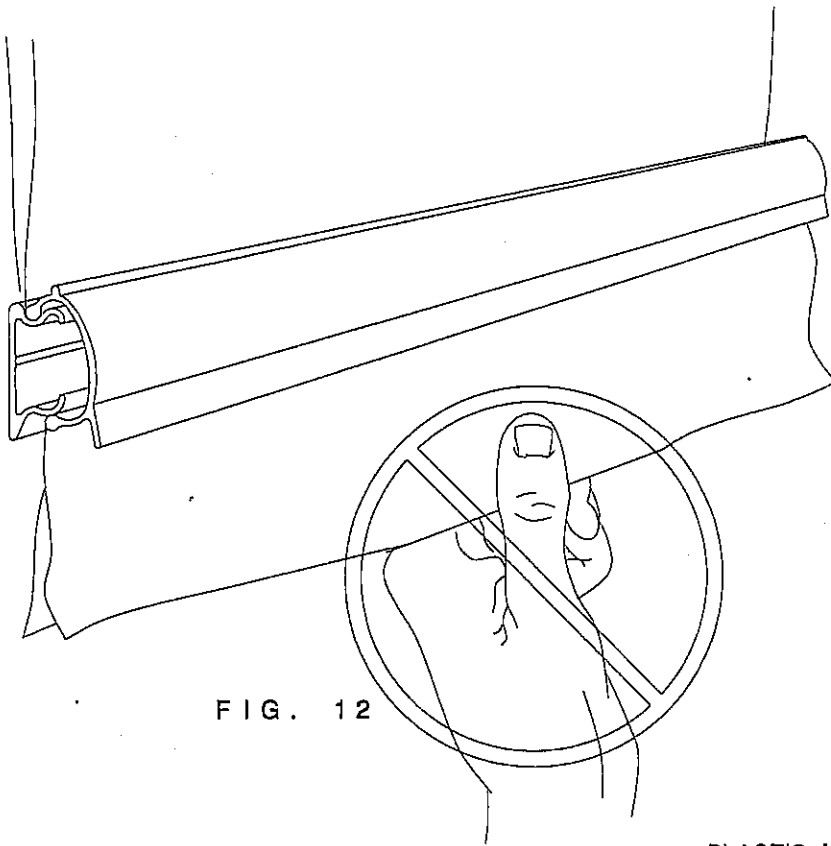


FIG. 12

WHILE ACTIVELY CLIPPING CAP TO BASE, TRAILING EDGES OF PLASTIC MUST HAVE NO TENSION WHATSOEVER.

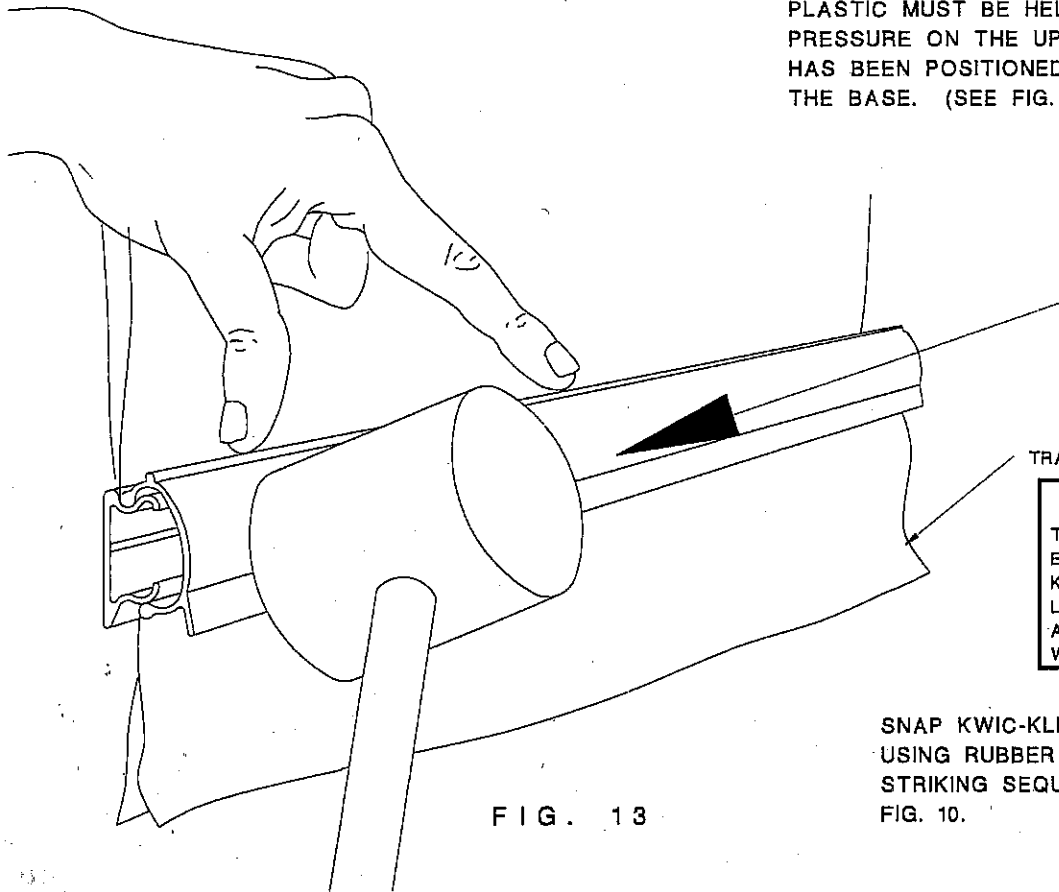


FIG. 13

PLASTIC MUST BE HELD IN PLACE BY APPLYING PRESSURE ON THE UPPER BEAD OF THE CAP WHICH HAS BEEN POSITIONED IN THE DEEP GROOVE OF THE BASE. (SEE FIG. 13)

TRAILING EDGE

**IMPORTANT**  
 TRAILING EDGE SHOULD NOT EXCEED 4 TO 6" BELOW THE KWIC-KLIP AND SHOULD REMAIN LOOSE. DO NOT STAPLE OR ATTACH TRAILING EDGE IN ANY WAY!!!!

SNAP KWIC-KLIP CAP ONTO BASE USING RUBBER Mallet. FOLLOW STRIKING SEQUENCE SHOWN IN FIG. 10.