

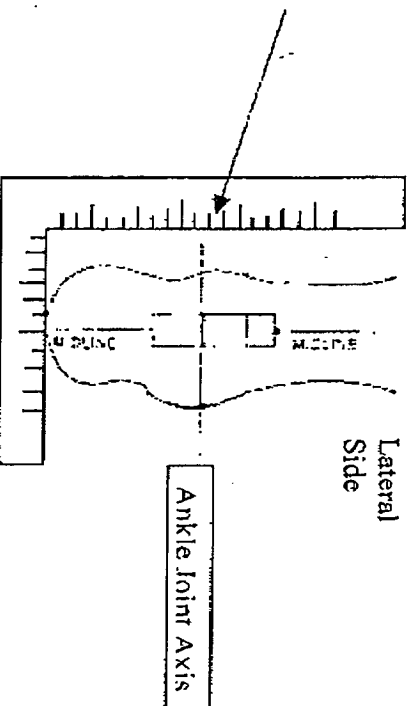
POSTERIOR STOP DIRECTIONS (PAS-100-AXL, A, P AND PM COMPONENTS)

SPECIAL CONSIDERATIONS

- 1) THE NEGATIVE CAST MOLD MUST BE CASTED IN THE DESIRED ANKLE POSITION OF THE FINISHED ORTHOSIS. (i.e. IF 5 DEGREES PLANTAR FLEXION IS DESIRED IN THE FINISHED ORTHOSIS, THE NEGATIVE CAST MUST BE TAKEN IN THAT POSITION.)
- 2) ALL SCREWS ARE PRESET FOR FABRICATION AND SHOULD NOT BE CHANGED.
- 3) THE PLASTIC ENCOMPASSING THE COMPONENTS SHOULD BE 1/8" THICK FOR ADULT ORTHOSES AND 3/32" FOR PEDIATRIC ORTHOSES.
- 4) POLYPROPYLENE AND COPOLYMER ARE THE ONLY TWO THERMAL PLASTICS RECOMMENDED FOR USE WITH THESE COMPONENTS.
- 5) THE STOPPING BLOCK MUST BE LEFT AT ORIGINAL LENGTH, SO THAT IT DOES NOT DISLODGE FROM THE ORTHOSES (THE PLASTIC TAB IS NOT CALCULATED INTO THE TOTAL LENGTH OF THE STOPPING BLOCK).

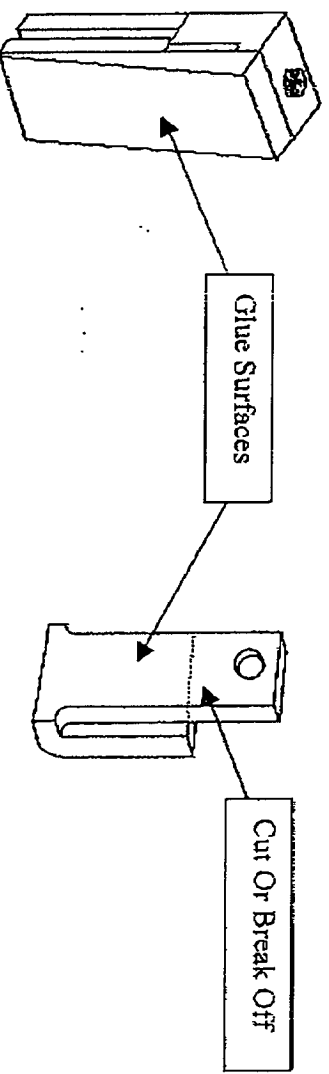
MANUFACTURING STEPS

- 1) MEASURE FROM THE PLANTAR SURFACE OF THE CALCANEUS TO THE CENTER OF THE ANKLE JOINT AXIS. MEASURE THE SAME DISTANCE FROM THE PLANTAR SURFACE POSTERIORLY ONTO THE ACHILLES TENDON IN THE FORM OF A HORIZONTAL LINE. (BELOW.)

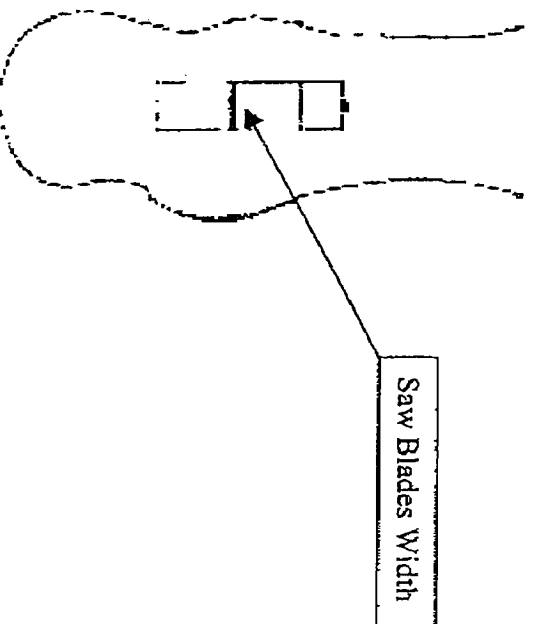


2) PULL 2 NYLON STOCKINGS OVER THE MOLD.

3) APPLY GLUE ONTO THE STOCKING VERTICALLY AT THE ACHILLES TENDON AREA, THE PELITE FOAM WEDGE ON THE PROXIMAL ADJUSTABLE COMPONENT AND THE BACK SIDE OF THE STOPPING BLOCK (BELOW.) ALLOW THE GLUED COMPONENTS TO DRY. MAKE SURE TO CUT, OR BREAK OFF THE PLASTIC TAB ON THE STOPPING BLOCK BEFORE STICKING IT ONTO THE CAST. (BELOW.)



4) PRESS THE COMPONENTS ONTO THE POSITIVE CAST MOLD, MAKING SURE TO LEAVE A SAW BLADE'S WIDTH BETWEEN THE PROXIMAL ADJUSTABLE COMPONENT AND THE STOPPING BLOCK (BELOW.)



5) AT THIS TIME, THE PLASTIC IS DRAPE MOLDED OVER THE POSITIVE CAST MOLD AND THE COMPONENTS.

6) AFTER THE PLASTIC HAS COOLED, CUT THROUGH THE GAP THAT WAS LEFT BETWEEN THE PROXIMAL COMPONENT AND THE STOPPING BLOCK, ALLOWING FOR ARTICULATION IN THE ORTHOSIS.

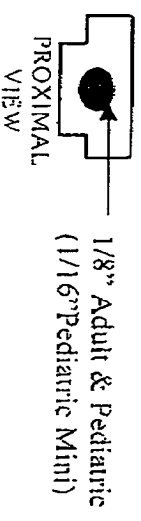
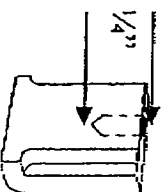
OPTIONAL

POLYURETHANE BUMPER INSTALLATION

AFTER THE STOPPING BLOCK HAS BEEN MOLDED INTO THE FOOT PLATE AND THE ORTHOSIS HAS BEEN FINISHED, THE POLYURETHANE NOISE-REDUCTION BUMPER CAN BE APPLIED TO THE STOPPING BLOCK COMPONENT.

- 1) DRILL A HOLE INTO THE CENTER OF THE PROXIMAL SURFACE OF THE STOPPING BLOCK WHERE THE TWO COMPONENTS MEET, 1/8" DIAMETER BY 1/4" DEEP FOR ADULT AND PEDIATRIC, 1/16" DIAMETER BY 1/4" DEEP FOR THE PEDIATRIC MINI COMPONENTS. (BFL.OM)

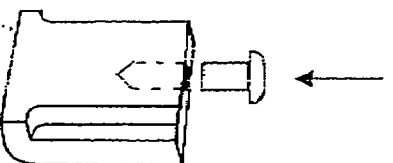
STOPPING BLOCK SHOWN
NOT MOLDED INTO FOOT
PLATE.



- 2) COUNTERSINK THE HOLE SLIGHTLY TO REDUCE THE SHARP EDGE ON THE HOLE. THIS WILL PREVENT THE HEAD OF THE BUMPER FROM BEING SHEARED OFF PREMATURELY.

- 3) INSERT THE BUMPER INTO THE HOLE UNTIL THE BOTTOM OF THE MUSHROOM HEAD IS FLUSH WITH THE STOPPING BLOCK SURFACE. (BELOW)

STOPPING BLOCK SHOWN
NOT MOLDED INTO FOOT
PLATE.



- 4) THE BUMPER INSTALLATION IS NOW COMPLETE. GLUE IS NOT NECESSARY TO KEEP THE BUMPER FROM DISLODGING, BECAUSE OF THE BUMPER'S UNIQUE DESIGN.

Revised: 5/31/02