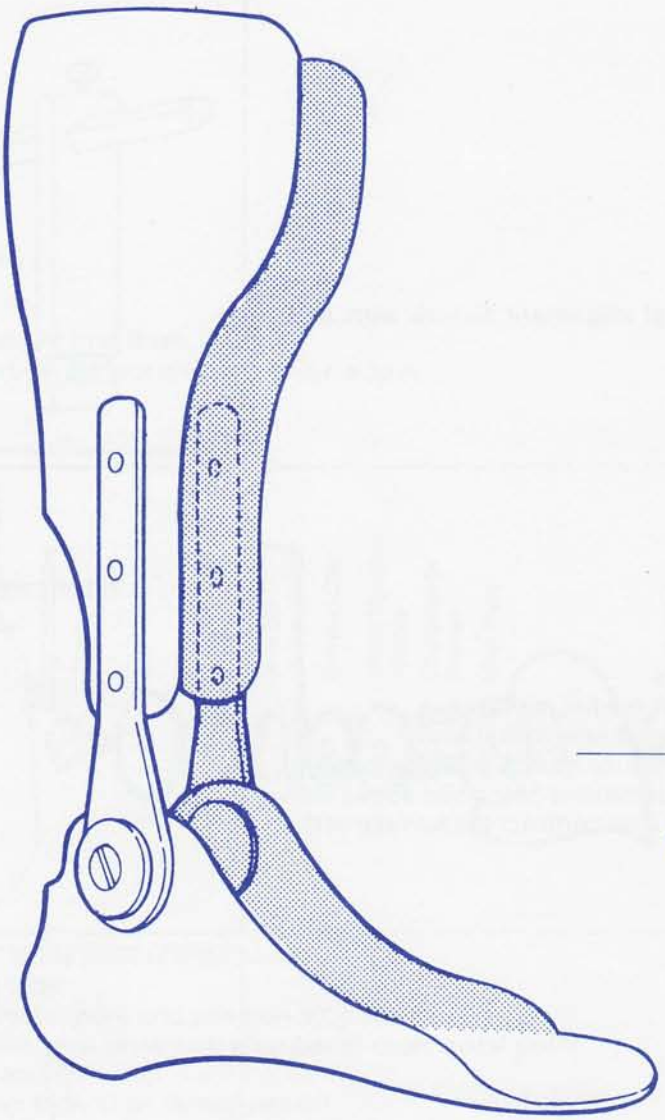
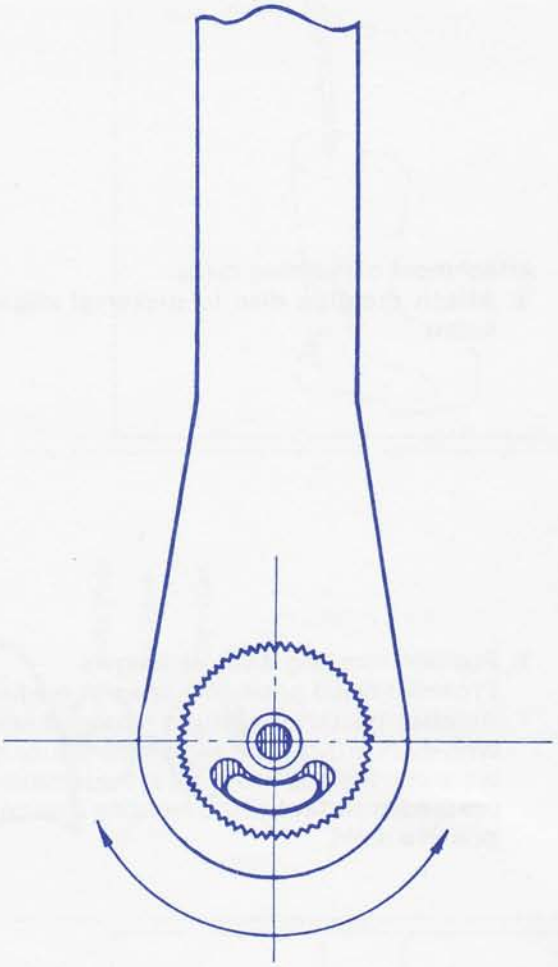
FRIDDLE'S ORTHOPEDIC APPLIANCES

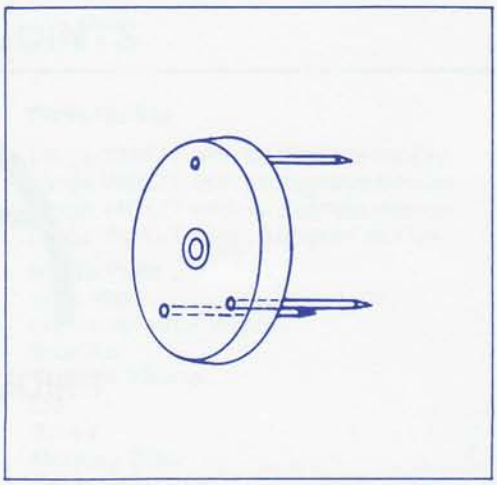




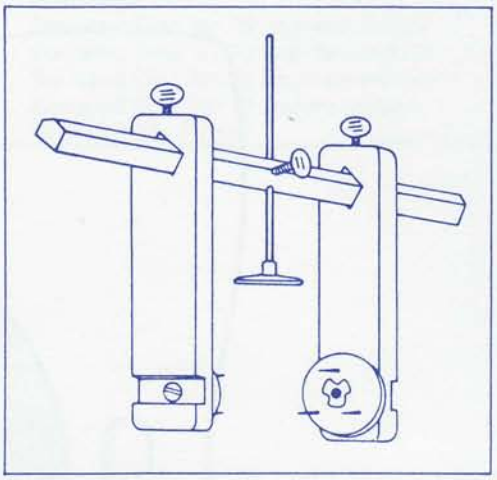
The VARIABLE MOTION ANKLE JOINT

VARIABLE MOTION ANKLE JOINT APPLICATION

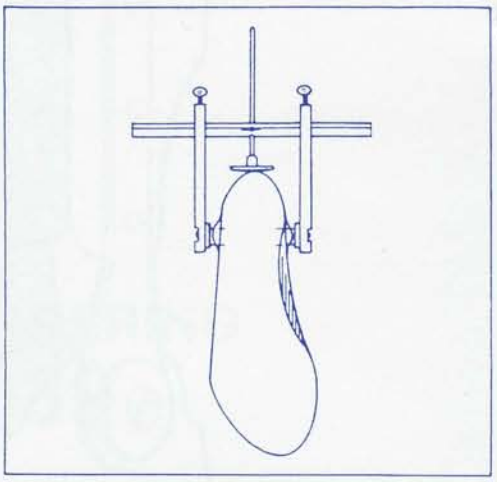
1. Take impression for standard plastic AFO marking all applicable landmarks.
2. Fill cast to create a positive mold.
3. Follow standard cast modification procedures, being careful not to remove plaster over the malleoli.



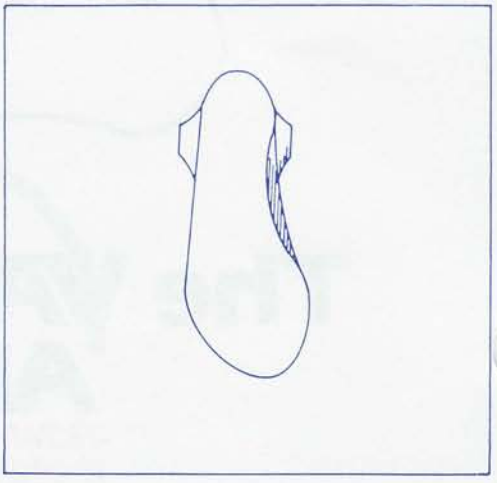
4. Attachment of molding discs.
   a. Attach molding disc to universal alignment fixture with 8-32 screw.



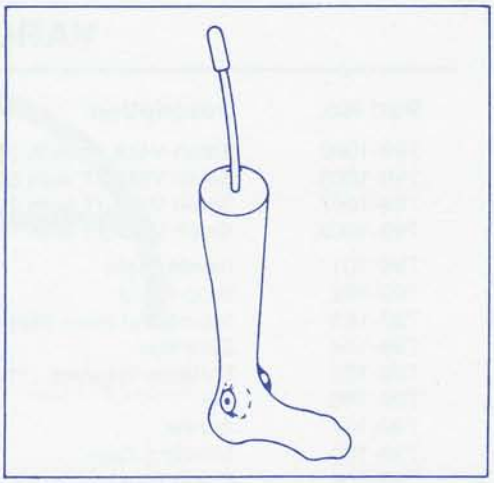
   b. Position molding discs as follows:
   Proximal distal position = apex of medial mallious
   Anterior/posterior position = apex of lateral mallious
   With discs attached to alignment fixture, gently drive the molding discs into the positive mold at the locations described above until the medial surface of the molding disc contract the surface of the positive mold.



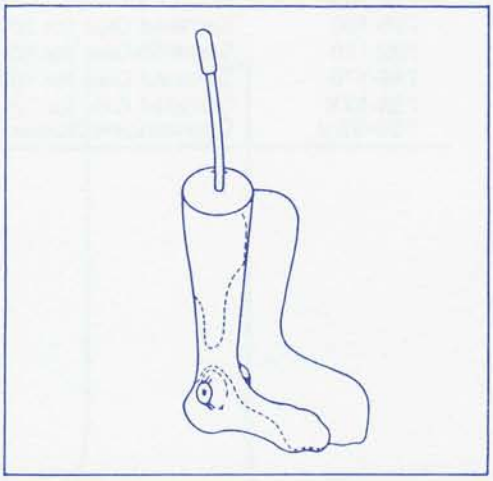
   c. Remove the 8-32 screws and remove the alignment fixture from the molding discs.



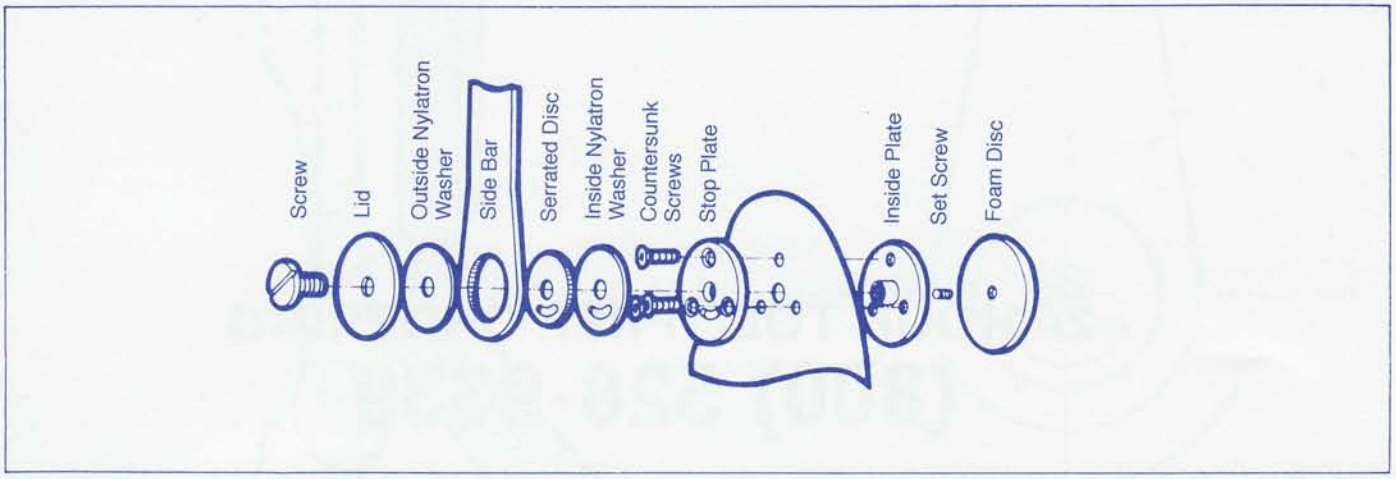
Add plaster build-ups around the molding discs, being careful not to add excessive amounts.



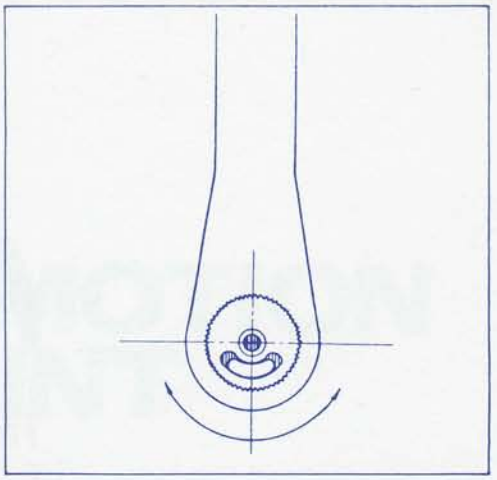
5. Add standard build-ups, as required by individual patient.
6. Vacuform plastic.



7. Establish desired trim lines.
8. Remove plastic from positive and finish edges.



9. Assembly of ankle joint components.
   On medial side:
   a. Drill center hole and position stop plate.
   b. Position stop plate with stop bar at most distal point.
   c. Mark and drill attchment holes.
   Repeat Step #9 A-C on lateral aspect.
10. Attach inside plate and stop plate to plastic.
11. Smooth all excess screw material even with stop plate.
12. Contour and align sidebars.
13. Trim sidebars and drill attachment holes in sidebars.
14. Assemble ankle joint components to achieve congruency between medial and lateral side bars.
15. Attach side bars to calf section.
16. Glue disc pads over inside joint assembly.
17. During fittings and dynamic alignment of orthosis, dorsiflexion or plantar flexion range can easily be changed by repositioning serrated disc.



VARIABLE MOTION ANKLE JOINTS

Part No.	Description	Part No.	Description
799-1002	Small VMAJT with 20 degrees motion	799-2002	Large VMAJT with 20 degrees motion
799-1005	Small VMAJT with 50 degrees motion	799-2005	Large VMAJT with 50 degrees motion
799-1007	Small VMAJT with 70 degrees motion	799-2007	Large VMAJT with 70 degrees motion
799-100X	Small VMAJT with 0 degree motion	799-200X	Large VMAJT with 0 degree motion
799-101	Inside Plate	799-201	Inside Plate
799-102	Stop Plate	799-202	Stop Plate
799-103	Inside Nylatron Washer	799-203	Inside Nylatron Washer
799-104	Side Bar	799-204	Side Bar
799-105	Outside Washer	799-205	Outside Washer
799-106	Lid	799-206	Lid
799-107	Screw	799-207	Screw
799-108	Molding Disc	799-208	Molding Disc
799-109	Foam Pad	799-209	Foam Pad
799-120	Serrated Disc for 20 degrees motion	799-220	Serrated Disc for 20 degrees motion
799-150	Serrated Disc for 50 degrees motion	799-250	Serrated Disc for 50 degrees motion
799-170	Serrated Disc for 70 degrees motion	799-270	Serrated Disc for 70 degrees motion
799-1XX	Serrated Disc for 0 degree motion	799-2XX	Serrated Disc for 0 degree motion
799-3XX	Countersunk Screw	799-3XX	Countersunk Screw

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FRIDDLES ORTHOPEDIC APPLIANCES
P.O. Box 207 Honea Path, SC 29654
Phone (803) 369-2328 Fax (800) 982-3646

(Rev. 6-94/3)