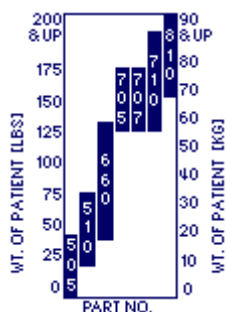


## Instructions

### For Hinges

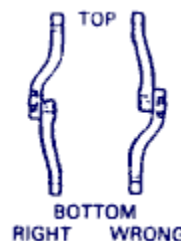
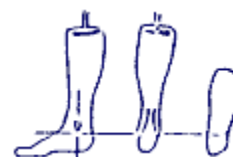
#### Gaffney Hinge Usage Chart

This usage chart is a guide only, as no two users are the same. Activity levels, height, and age (for those still growing) should be taken into consideration.



#### Instructions (Super pin and C-clip designs follow the same procedure)

1. Mark hinge location on cast as shown.
2. Pull nylon over cast.
3. Bend hinge to contour of cast. (Hinge bends easily to fit. Place threaded end in vise. Use small adjustable crescent wrench and bend.)
4. Nail or glue hinge to cast. Note: Make certain top part of hinge is up, as in illustration.
5. Fill in all gaps between hinge and cast with clay to prevent plastic from sucking around hinge.
6. Vacuum form plastic as for any solid ankle A.F.O.
7. Remove A.F.O. from cast. Remove hinges from their cavities. After removing the hinges, it is helpful to mark medial and lateral to aid in replacement.
8. Mark horizontally from hinge pin impression on one posteriorly to the hinge pin impression on the opposite
9. Cut along line described in previous step.
10. Finish all edges on proximal and distal pieces of A.F.O.
11. Place hinges back into their respective cavities. Working from the inside, poke hot rod through screw hole.
12. Remove hinges and drill holes for 10-32 screws using a #9, for 8-32 use #20, for ¼-20 use Letter D drill.
13. Replace hinges in A.F.O. and secure with screws. After fitting to patient, use a drop of Loc-Tite on each screw.



hinges

side and side.

Note: All Shetlands (#747) are shipped unassembled in order to give allowance for bending and maintaining good fit of joints. After bending, sand hinge part to achieve 90 degrees. Then sand block for dorsal stop.

## How to Use Alignment Tools

1. Drill hole in each side of negative mold.
2. Grease and insert rod through both holes.
3. Pour cast.
4. When plaster sets, remove rod and strip cast.
5. Pick fixture closest to size and adjust out to allow for the modification desired.
6. Remove pin from hinge, and contour distal section to cast, then proximal.
7. **For C Clips:** Apply clip and washer to fixture; pack voids with clay.

Note: For the 505-Colt, 510-Pony, and 660-Stallion (T only)



Put extra washer on first, then hinge piece, the other hinge piece, then regular washer and clip.

**For Super Pins:** fasten hinges to both ends using the M2 screws provided and insert the ends into the cast

8. Pull plastic; when cool cut as you normally would. If plastic does not come off easily, cut plastic in half, at hinge center with a hot knife and take apart in two pieces.

DO NOT CUT PLASTIC HIGH OR LOW OF CENTER

Enclose Pin and Clip

RIGHT



WRONG

**Alignment of Hinge (only for C-clips)**

If after following instructions and assembling A.F.O. the alignment is not acceptable (A.F.O. should be free moving), remove hinge and disassemble. With pins out, replace hinge parts in their respective cavity (as shown in illustration). Place 3/16", 1/4", or 5/16" tool respectively through holes. If tool does not go through, remove hinge part and twist it in the direction necessary to allow the tool to go through both sides. Replace hinge part and recheck. If tool does not go through, repeat. Now try from opposite side. Then do the same to the proximal section.  
Note: When placing rod through hinge piece, use washer in counterbore to reduce play.

