



# COVVI ELECTRODE FABRICATION GUIDE

# ELECTRODE FABRICATION GUIDE

Included with the electrode are two sets of blanks for fabrication of a laminated socket or a vacuum formed thermoplastic socket:

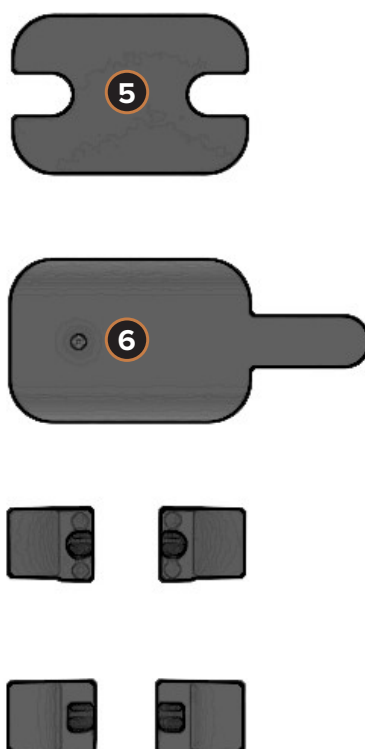
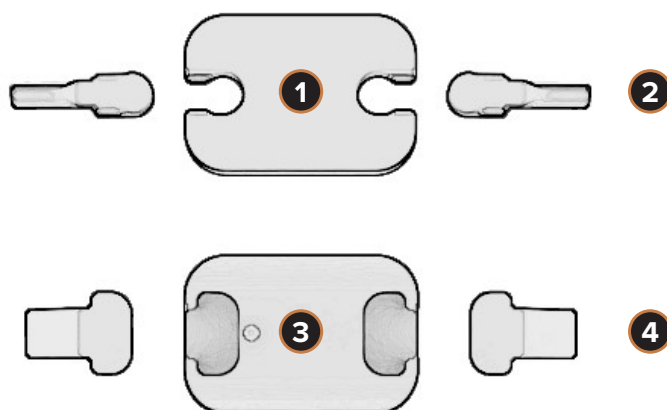
## Lamination Kit (See Figure 1):

1. MP00066
2. MP00055 (x2)
3. MP00064
4. MP00065 (x2)

## Vacuum Forming Kit (See Figure 2):

5. MP00057
6. MP00056
7. MP00067 (x2)
8. MP00058 (x2)

The Lamination Kit



The Vacuum Forming Kit

## Also Included:

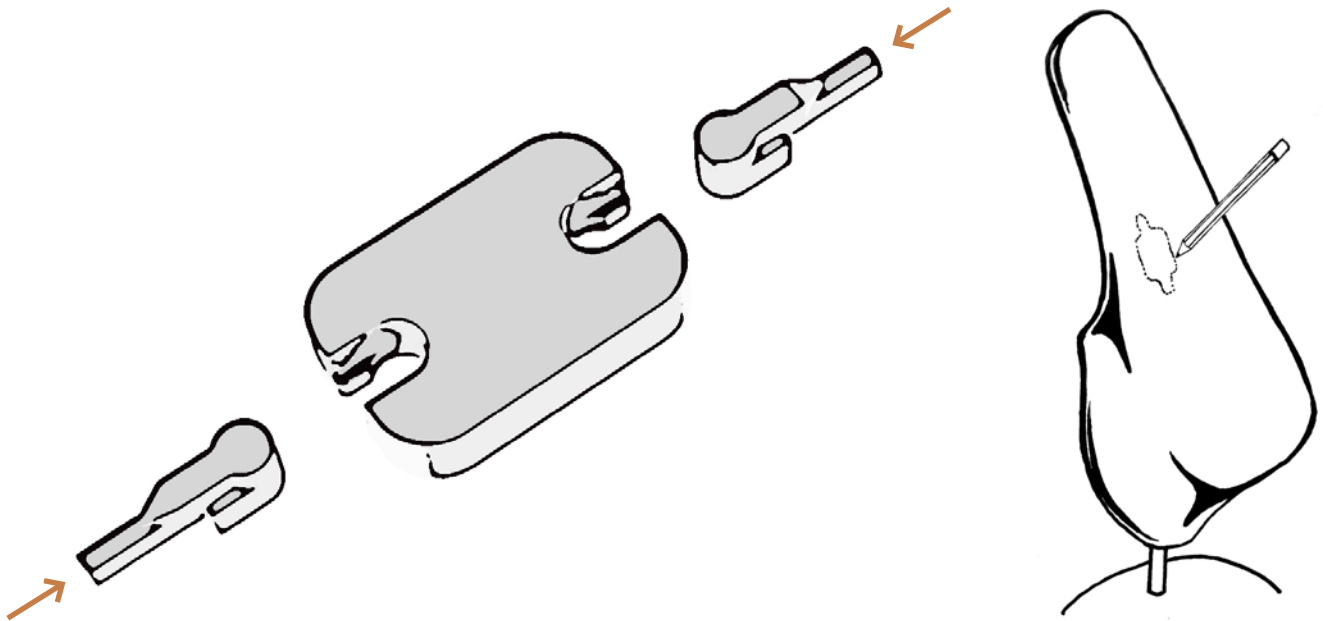
- Electrode POT adjuster tool (MP00655)
- Double sided tape (MP00662)
- Screws/washers/nuts

# FABRICATION OF LAMINATED SOCKET

## Step 1

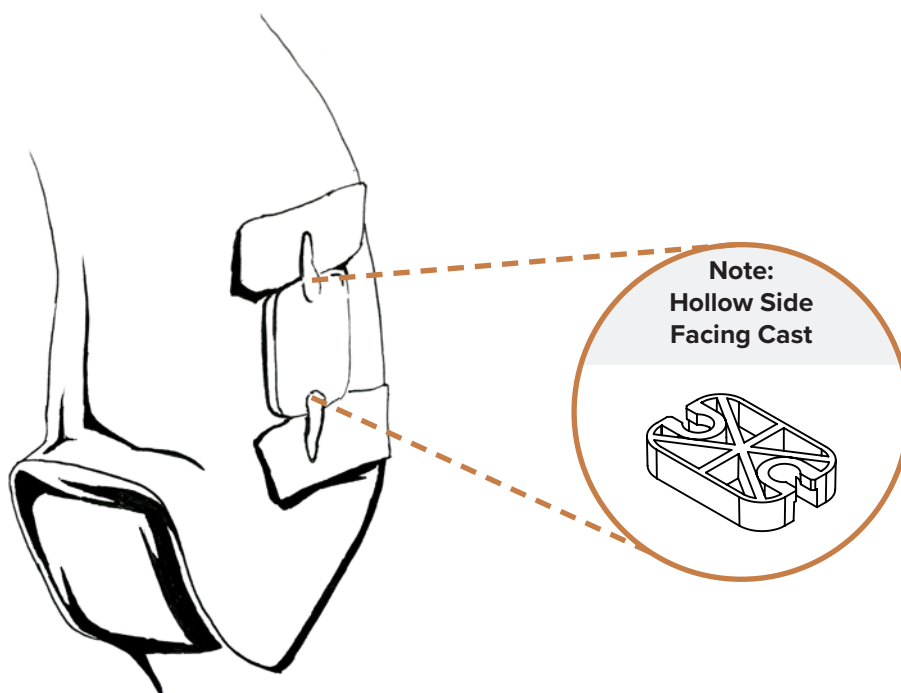
Press item 1 and item 2 together (both sides).

Identify the position of the electrode on the cast - ensure the mounting area is as flat as possible.



## Step 2

Attach the inner socket blank (item 1) to the cast using double sided tape and place 2 small pieces of Dacron felt underneath the “legs” of the blank.



# FABRICATION OF LAMINATED SOCKET

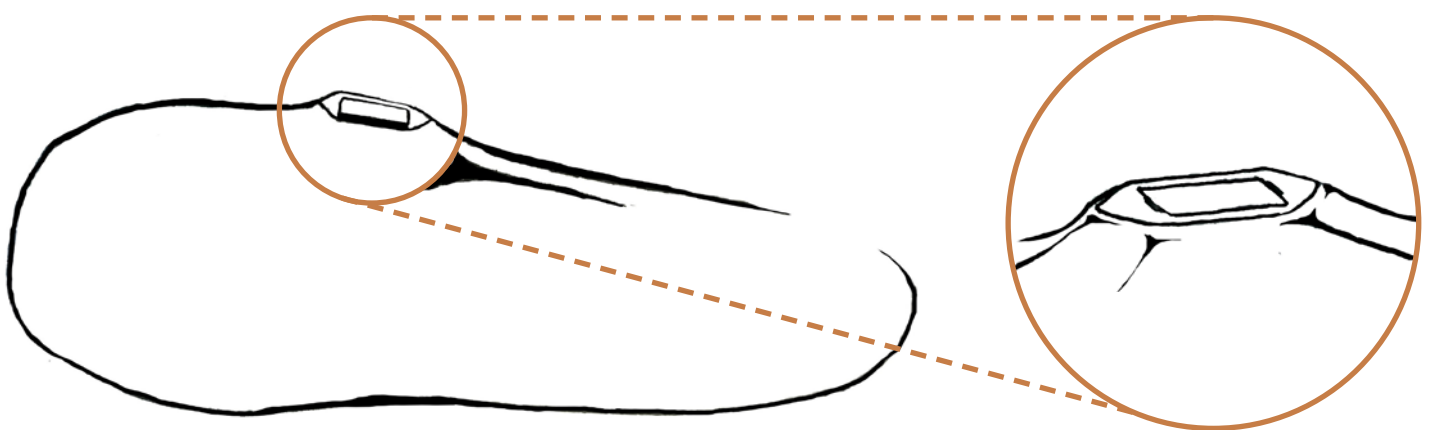
## Step 3

Proceed with the lamination process in the usual manner.



## Step 4

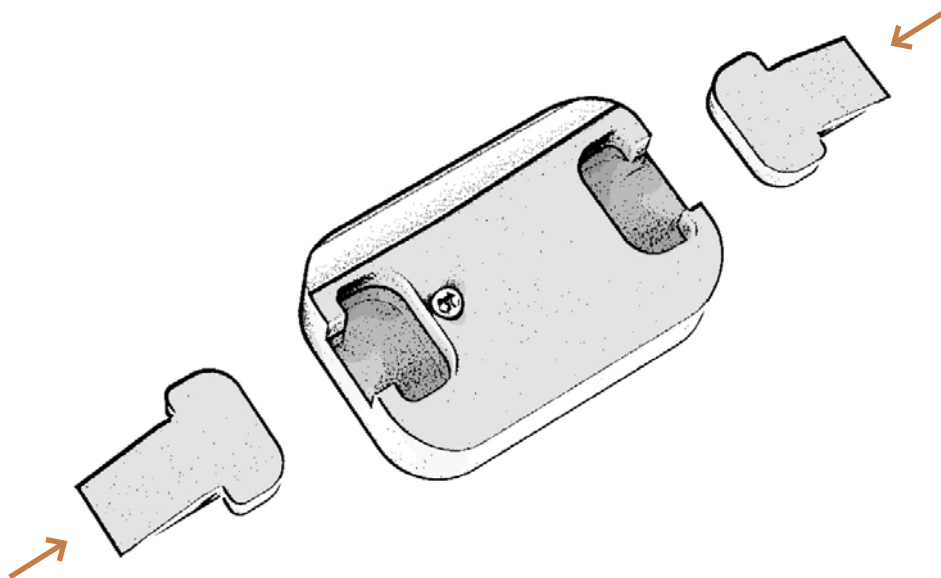
Upon completion grind away the outer surface over the blank and completely remove the inner socket lamination blank (item 1).



# FABRICATION OF LAMINATED SOCKET

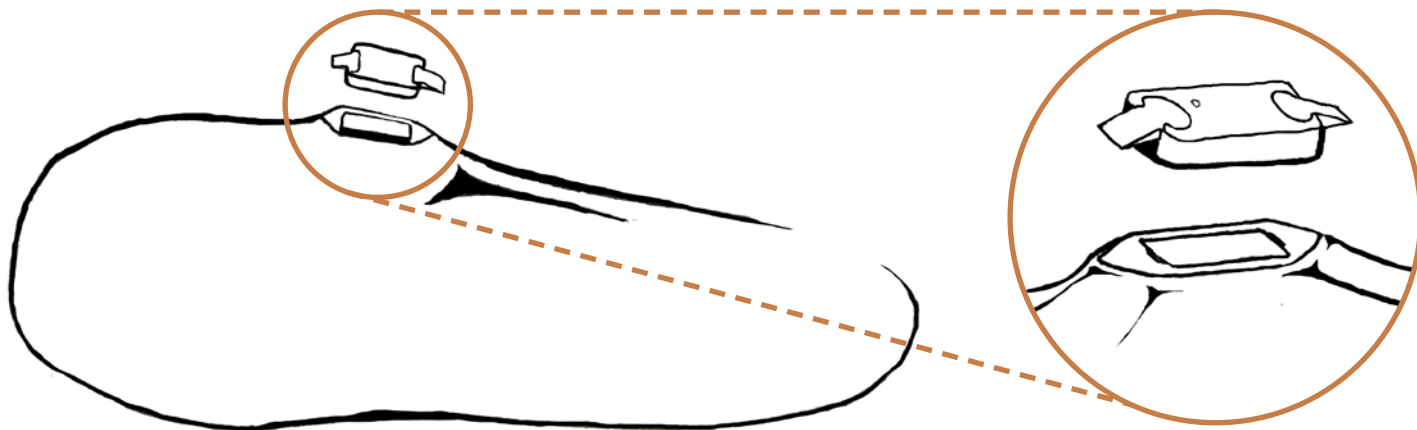
## Step 5

Press item 3 and item 4 together (both sides).



## Step 6

Fit the outer socket blank - check that the “pip” on the outer surface is located proximally.



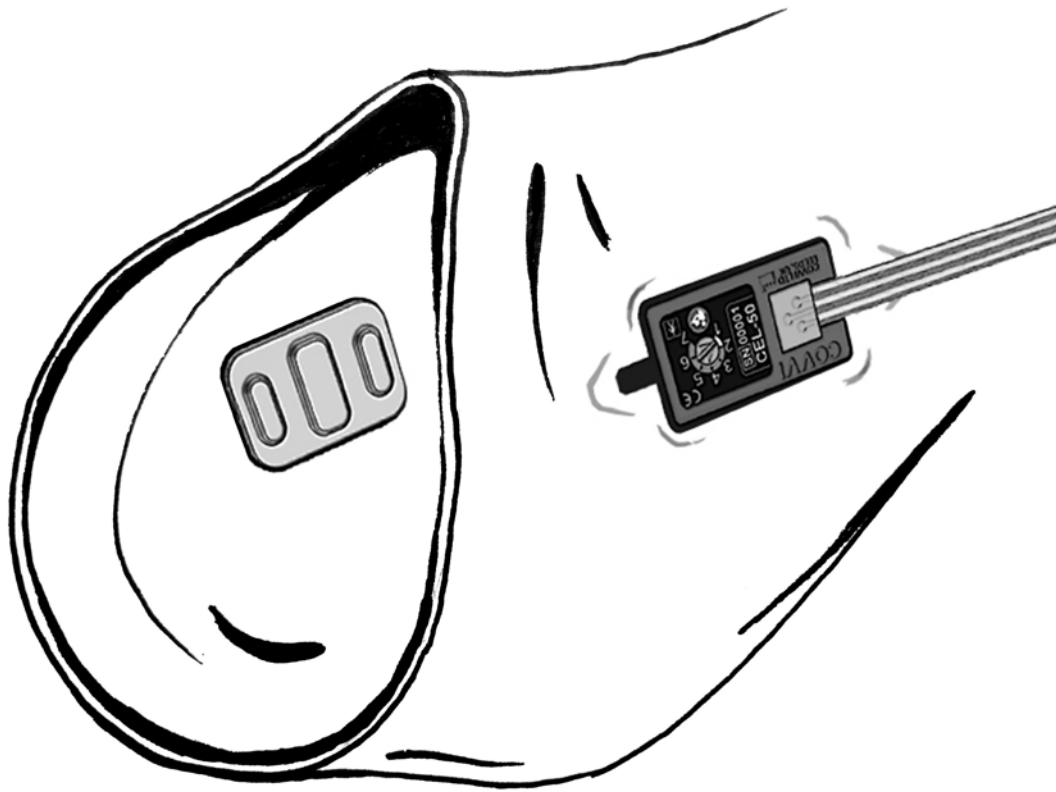
# FABRICATION OF LAMINATED SOCKET

## Step 7

Proceed with the forearm fabrication process in the usual manner.

## Step 8

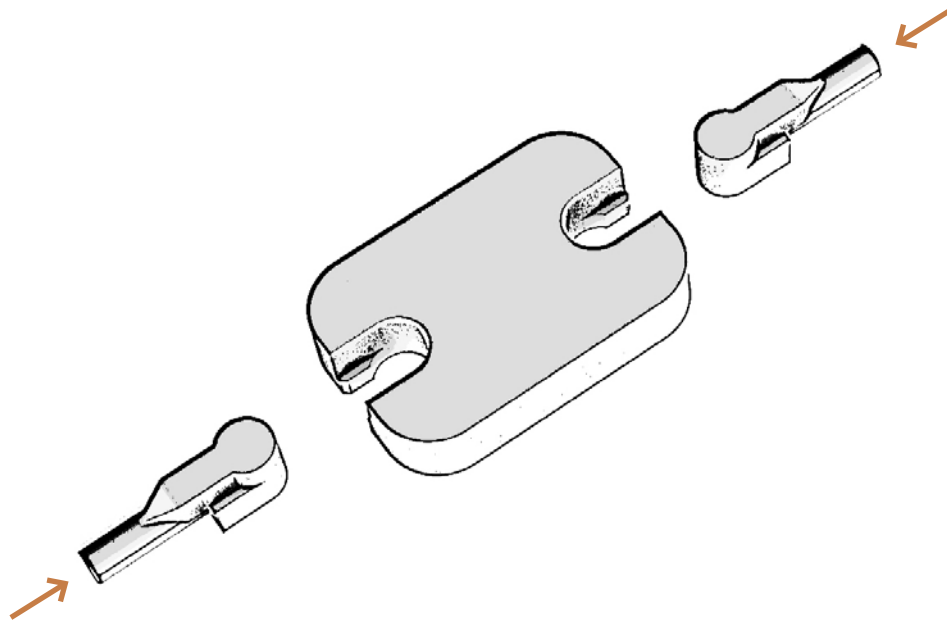
Once the forearm has been fabricated remove all the blanks, insert the electrode from the outside.



# FABRICATION OF VACUUM FORMED THERMOPLASTIC SOCKET

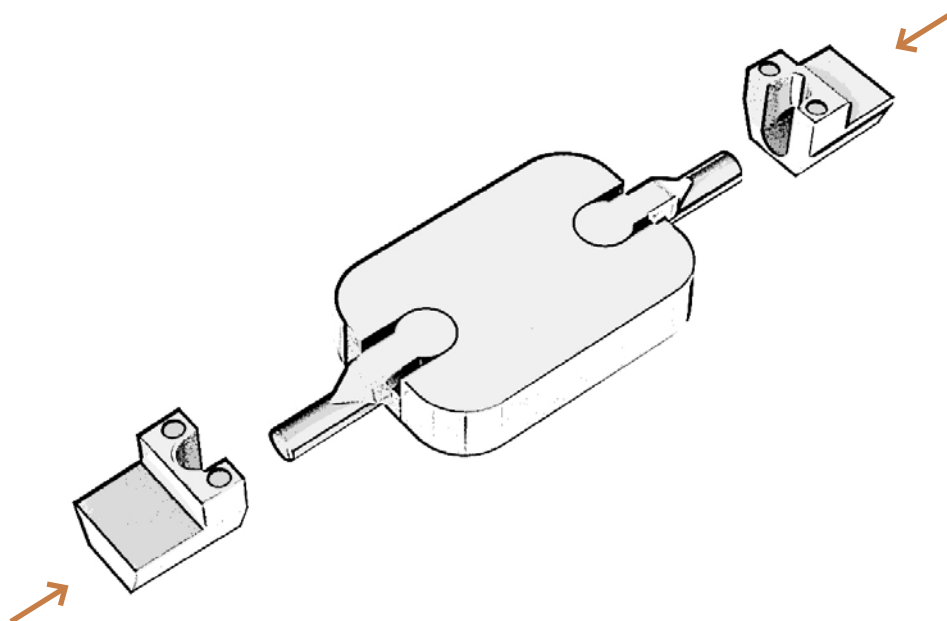
## Step 1

Press item 1 and item 2 together (both sides).



## Step 2

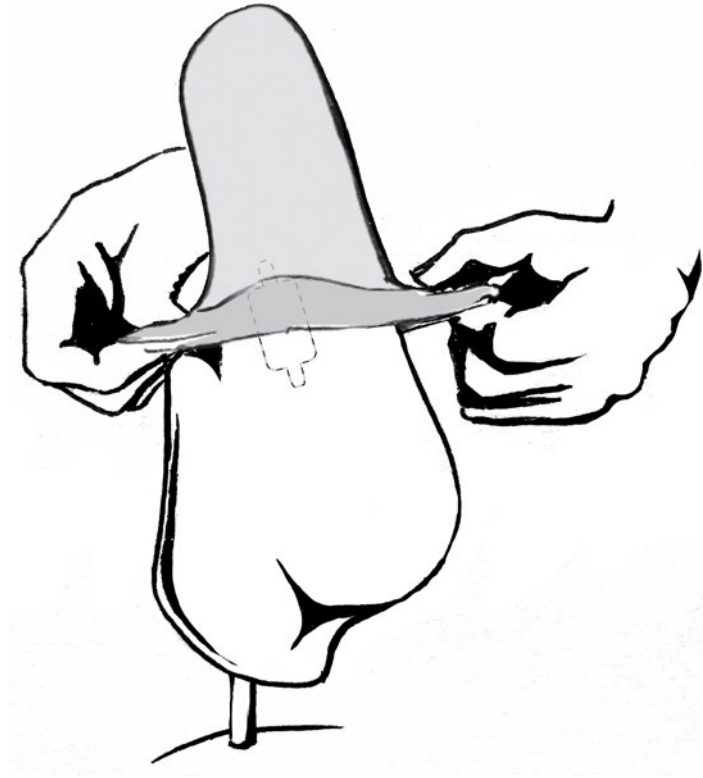
Attach item 7 to the inner socket blank (items 1 and 2, both sides).



# FABRICATION OF VACUUM FORMED THERMOPLASTIC SOCKET

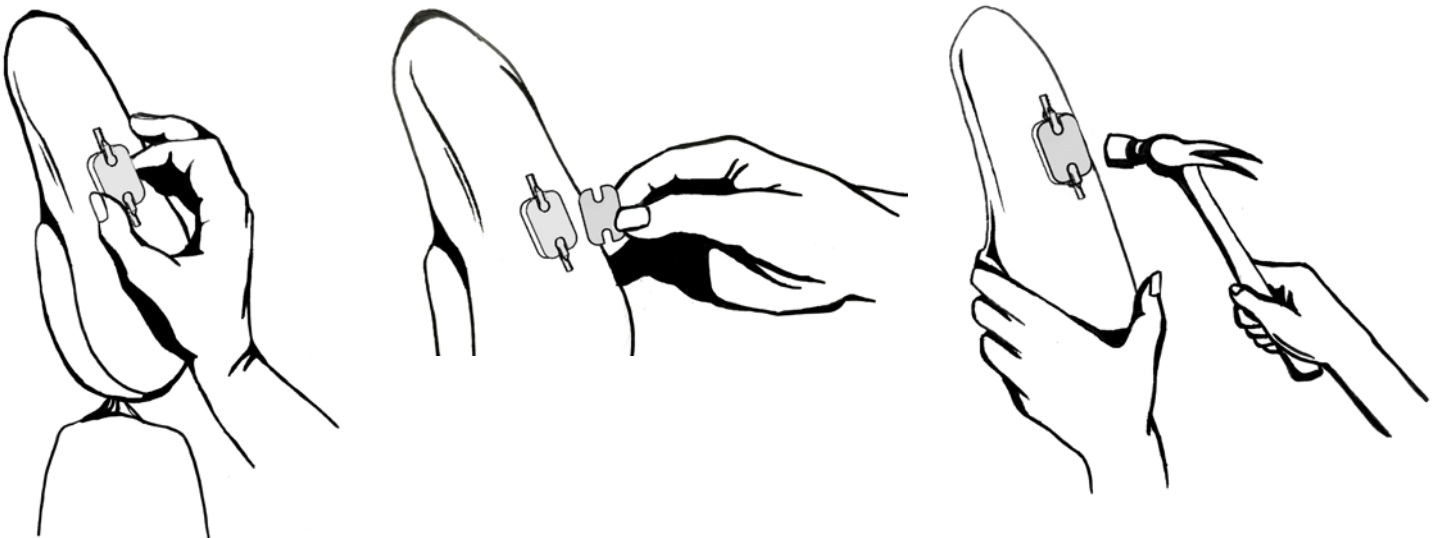
## Step 3

Apply nylon stockinette to the cast.



## Step 4

Attach the inner socket dummy (and attached parts - see above) to the cast with the double-sided tape. Attach item 5 and retain in place to the cast with round head nails.

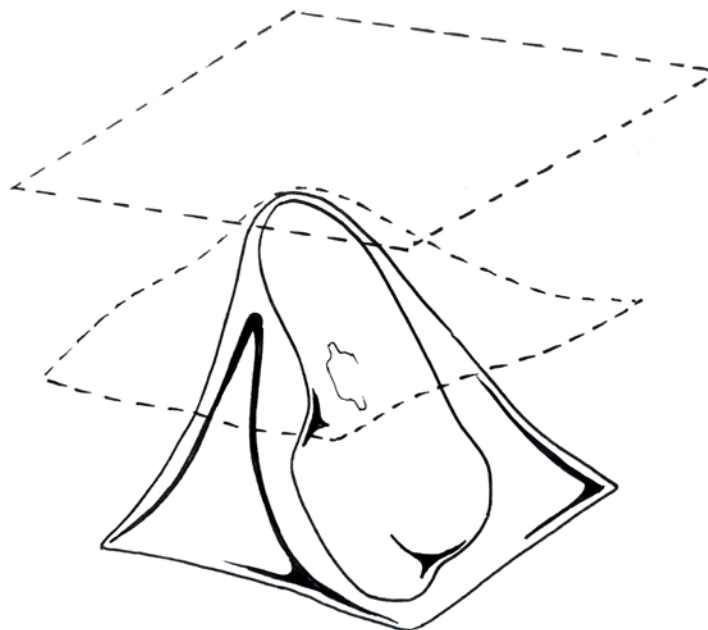




# FABRICATION OF VACUUM FORMED THERMOPLASTIC SOCKET

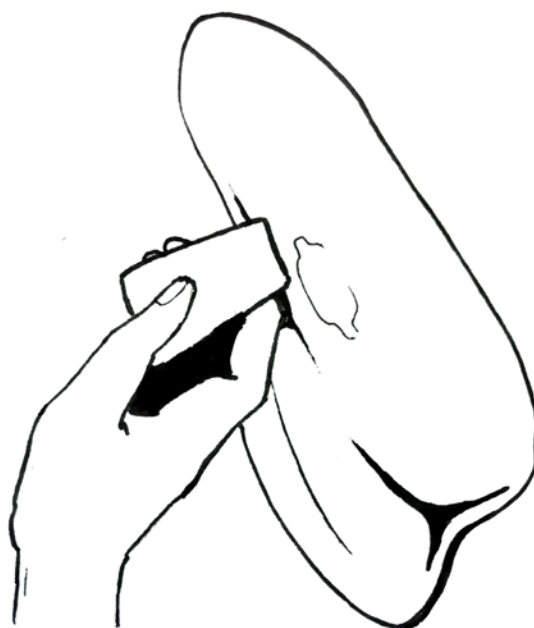
## Step 5

Heat the thermoplastic material as per the manufacturer's instructions, then drape the material over the cast ensuring that any wrinkles are pulled beyond proximal trim or removed by massaging.



## Step 6

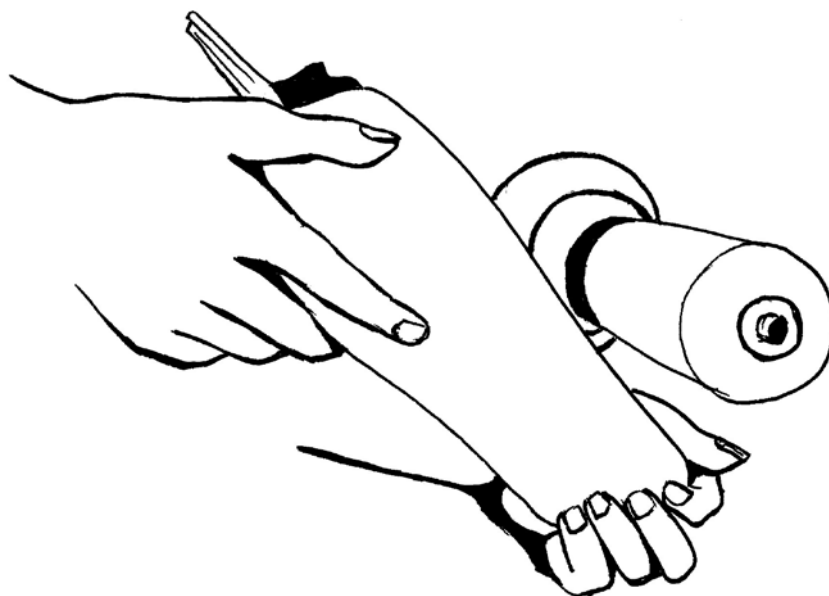
Apply full vacuum and where necessary use a blunt edged tool to push the thermoplastic material into the contours of the blank.



# FABRICATION OF VACUUM FORMED THERMOPLASTIC SOCKET

## Step 7

Grind away the thermoplastic material so that the nails can be removed and until the ground surface is flush with the top edge of the mounting brackets (item 7).



## Step 8

Remove item 5, and attach item 6 with the tongue facing towards the wrist.



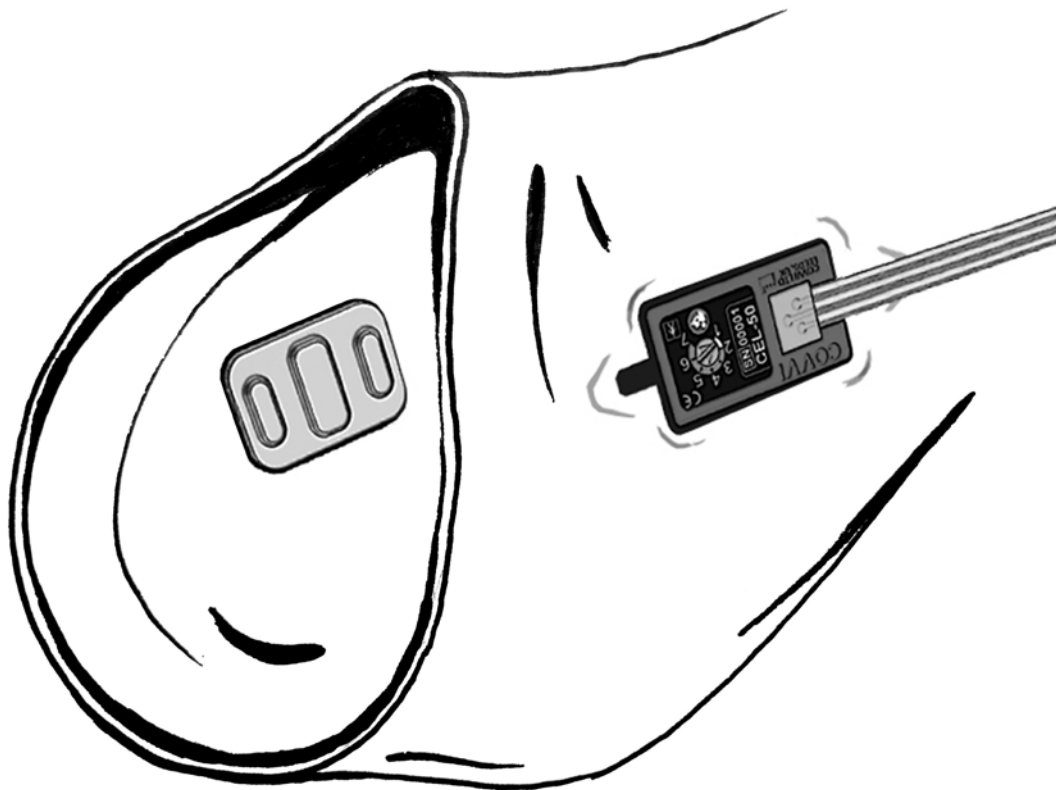
# FABRICATION OF VACUUM FORMED THERMOPLASTIC SOCKET

## Step 9

Fabricate the forearm in the usual manner.

## Step 10

Once the fabrication of the forearm has been completed remove all the blanks. Place item 8 in the cavity created by item 7. The electrode can now be inserted.





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v1.0.2

November 2022