

THE CAPP TERMINAL DEVICE

INSTALLATION PROCEDURE

Apply the CAPP Terminal Device to a forearm with a 1 ½" round wrist unit. This preserves the flowing line of the design and avoids a mismatch at the wrist. This is especially important due to the outside pull design.

With proper fitting technique, braided Dacron line will give durable, dependable service to the patient. The most important consideration in fitting is to **AVOID SHARP BENDS AND ROUGH EDGES** in the line of travel. A cable housing must be used to protect the urethane surrounding the cable exit hole. Hosmer provides 24" of Cable Housing Liner (50514) along with 30" of Dacron line. Use only this type of plastic tubing for the cable housing. If the Dacron line is allowed to ride on the urethane, it will cut into the material, permanently damaging the product.

The hands come pre-assembled with the regular strength spring in place. If this spring is too strong or weak, it can be easily switched with either of the supplied springs. Note that changing the spring not only adjusts the excursion strength needed but also the holding force supplied.

CHANGING THE SPRING

1. If there is not a knot at the visible end of the Dacron line, tie one in it now.
2. Remove the bolt (6) in the back of the hand.
3. Pull the Base Stud (5) from the hand.
4. Pull out the Inside Stop (4).
5. The entire Thumb Insert Assy (3) can now be removed.
6. Remove one retaining ring (14) and push the thumb shaft (15) through the thumb bearing (17).
7. Place the regular spring aside (18) then slide the new spring into place.
8. Slide the thumb bearing into place then reassemble the thumb shaft.
9. Slide the Thumb Insert Assy (3) back into place and pull the Dacron line taut. If the line is rubbing on itself then the insert will have to be removed and the line straightened out as shown in Figure 1.
10. Replace the Inside Stop (4).
11. Replace the Base Stud (5) making sure to align the square boss with the square hole.
12. Apply a small amount of serviceable Loctite 242 to the threads of the bolt (6) then tighten it into the Thumb Insert Assy (3) to 30 ft·lbs.
13. Be sure the Cable Housing Liner (10) is in place, not touching the pulley inside.

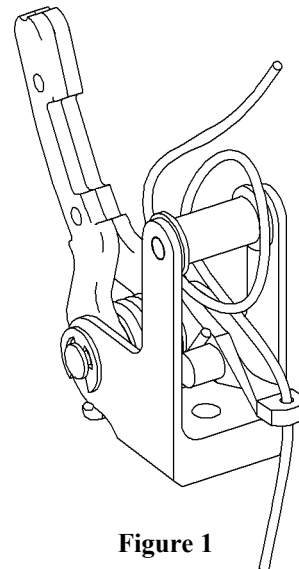
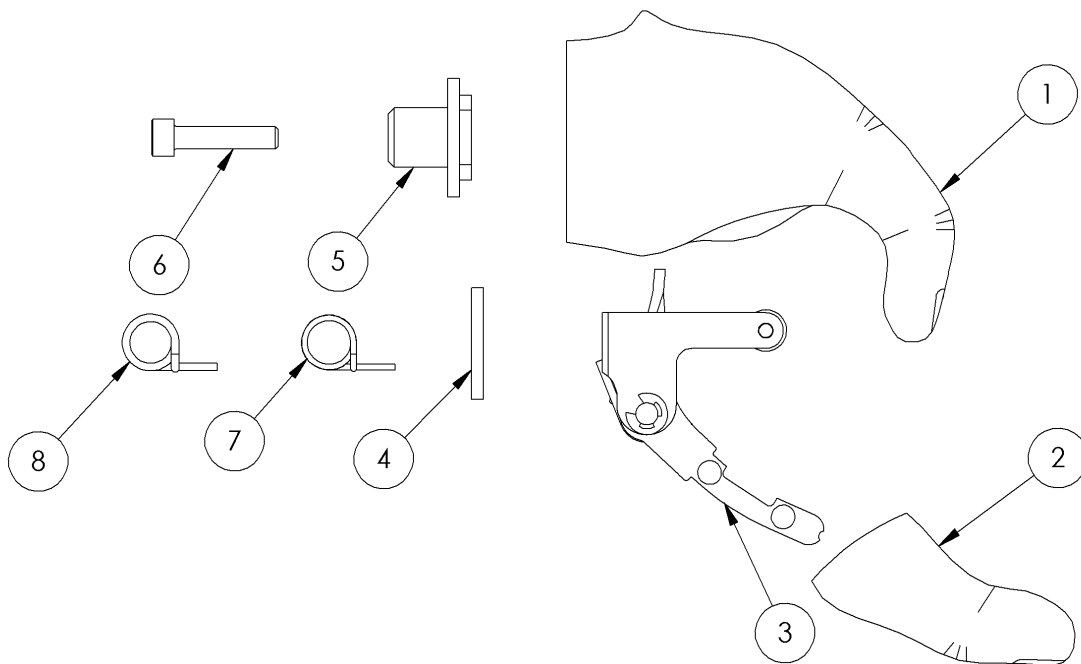


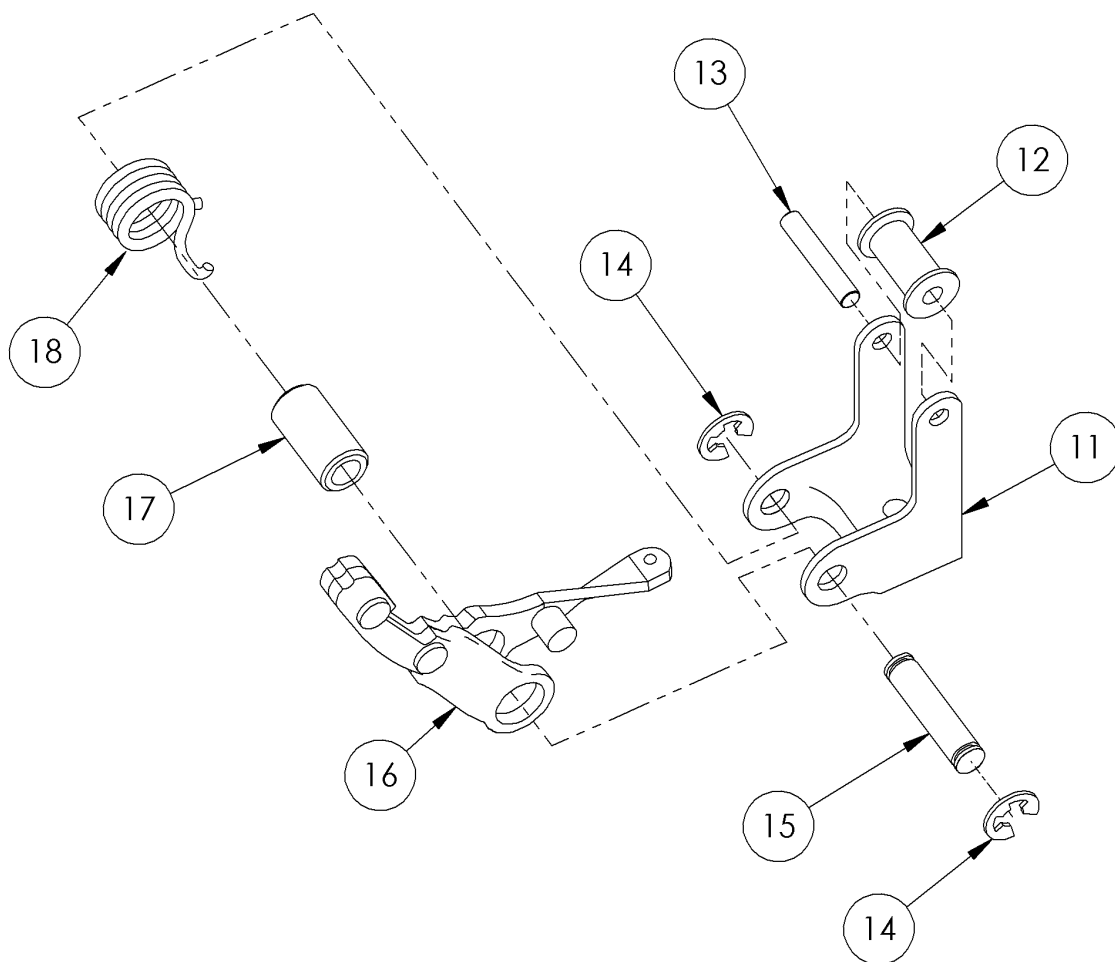
Figure 1

CHANGING THE LINE

1. Remove the bolt (6) in the back of the hand.
2. Pull the Base Stud (5) from the hand.
3. Pull out the Inside Stop (4).
4. The entire Thumb Insert Assy (3) can now be removed.
5. Pull the existing line out.
6. Tie a knot in one end of the new line.
7. Thread the line through the hole in the top of the hand and pull it out through the thumb opening.
8. Wrap the line around the pulley as shown in Figure 1. The line should be wrapped starting on the bottom of the pulley starting on the side away from the thumb top.
9. The line must be wrapped as shown to prevent wear and hastening failure.
10. Thread the line through the hole in the thumb.
11. Tie a knot close to the end of the line behind the thumb then snip off the extra line. This type of line may be melted with a cigarette lighter or match to prevent fraying.
12. Slide the Thumb Insert Assy (3) back into place and pull the Dacron line taut. If the line is rubbing on itself then the insert will have to be removed and the line straightened out.
13. Replace the Inside Stop (4).
14. Replace the Base Stud (5) making sure to align the square boss with the square hole.
15. Apply a small amount of serviceable Loctite 242 to the threads of the bolt (6) then tighten it into the Thumb Insert Assy (3) to 30 ft·lbs.
16. Be sure the Cable Housing Liner (10) is in place, not touching the pulley inside.



CAPP Hand Full Assembly			
Item No.	Quantity	Hosmer Part No.	Description
1	1	61832-61837	Hand
2	1	61838-61843	Thumb
3	1	61817	Thumb Insert Assembly
4	1	61816	Inside Stop
5	1	61725	Base Stud
6	1	61815	Wrist Stud Bolt
7	1	61825	Spring – Soft
8	1	61824	Spring – Heavy Duty
9	30 in.	72334	Dacron Line (Not Shown)
10	24 in.	50514	Cable Housing Liner (Not Shown)



Thumb Mechanism Assembly			
Item No.	Quantity	Hosmer Part No.	Description
11	1	61724	Insert Support
12	1	61722	Pulley
13	1	61818	Pulley Shaft
14	1	50160	E-Ring
15	1	61723	Thumb Shaft
16	1	61819	Thumb
17	1	61822	Bronze Bushing
18	1	61821	Spring - Regular