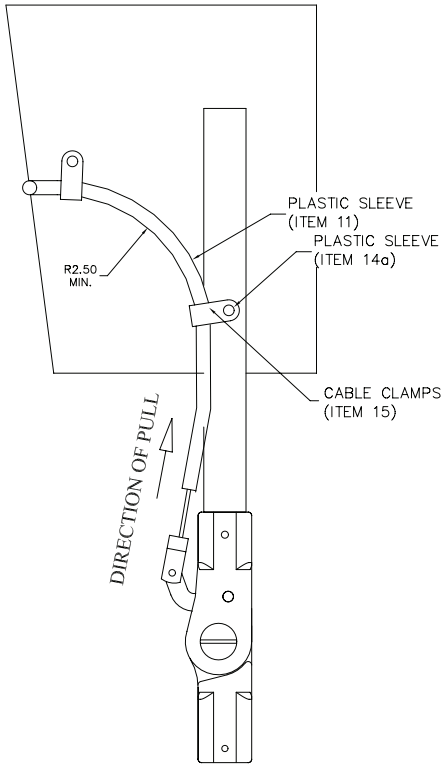
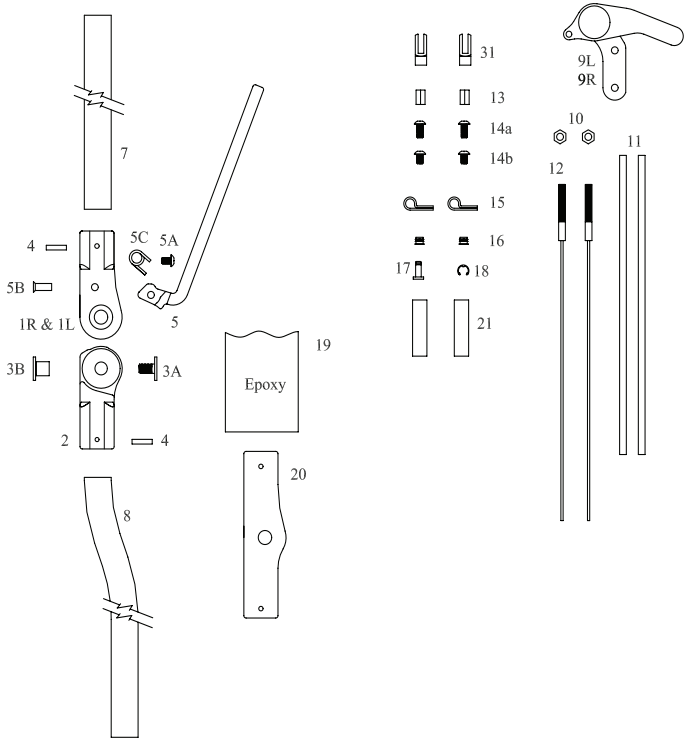
Medial Cable Mounting – (Double Upright Configuration) Continued:

6. Remove screw and attach the cable conduit to thigh cuff using plastic cable clamps and the #8-32 screws.
7. Once the cable conduit (Item #11) is in place, place a mark on the conduit approximately 1” above the end of the locking tip. This will allow for full motion of the unlocking mechanism.
8. Feed the cable around the shoulder screw located on the lever assembly. Once the desired cable length is determined use crimp (Item #13) to set length. Trim excess cable as needed. The threaded end can be used to make fine adjustments if needed - Once length of cable is determined tighten jam nut to prevent loosening.
9. Cover crimp and threaded end with shrink tube.



1017-A38 and Lever Release System Components



1. Proximal joint
2. Distal joint
3A. Center screw
3B. Center bushing
4. Dowel Pins
5. Lever
5A. Lever screw
5B. Lever bushing
5C. Lever spring
7. Proximal upright
8. Distal upright
9L or 9R. Lever Assembly
10. Nut
11. Cable housing
12. Stainless steel cable
13. Cable crimp
14A. Cable clamp screws (1/4” Long)
14B. Lever assembly screws (3/4” Long)
15. Cable clamps
16. Brass bushings
17. Clevis Pin
18. Clevis E-Clip
19. Upright Epoxy
20. Molding Dummy
21. Heat shrink tube

Model 1017-A38

Heavy Duty Automatic Angled Lever Lock Knee Joint

Fabrication Instructions

BECKER
635 Executive Dr. | Troy, MI 48083
P 800-521-2192 | 248-588-7480
BeckerOrthopedic.com

EC REP
Acorn Regulatory Consultancy Services Limited
Knockmorris Cahir Co. Tipperary
Ireland, Postcode: E21 R766
P 012 4626 8456
F 012 4626 8648

Revision 05/01/21

Model 1017-A38 Unlocking Options:

A. Individual Trigger Locks – (Levers should be cut to desired length)

B. Lever Release System– (Sold Separately)

Note: Levers have been left long and must be shortened before delivery.

Fabrication Instructions

1. Please read all directions carefully before fabricating.

2. The 1017-A38 can be fabricated as a unilateral or double upright configuration. Discretion in choosing and designing an appropriate orthosis should be used by the othotist in all cases.

3. Fabricate brace using standard KAFO fabricating procedures. It is important to use fabrication tools that are suitable for bending upright material. Due to the nature of the upright material it may take more effort to contour. All bend radii must be greater then 2.25.

4. The enclosed molding dummy should be used in place of the joint for lamination and thermoplastic configurations.

5. Once the uprights have been contoured and appropriate measurements have been established, epoxy uprights to midsections.

6. Follow directions on epoxy package to prepare epoxy for use.

7. Squeeze a small amount of epoxy into each upright pocket and onto each upright. Ensure the uprights are fully inserted within midsection pockets.

8. While the epoxy is setting, drill a 1/8" diameter hole though the upright using the existing holes in the midsection as a guide. Press the dowel pins (Item #4) supplied into holes. **(Fig. 1)**

Fig. 1

Model 2825-A38 Ankle Joint Fabrication Instructions

If using the the heavy duty double action ankle joint **(Model 2825-A38 sold separately),** squeeze a small amount of epoxy into each ankle joint pocket and onto each upright. Ensure the uprights are fully inserted within the ankle joint pockets. While the epoxy is setting, drill a 3/16" diameter hole though the upright using the existing hole in the ankle joint as a guide. Insert supplied dowel pins into the holes.

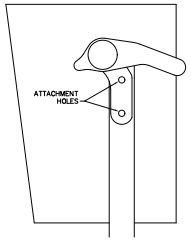
Allow 24 hours for epoxy to fully cure prior to use.

Lever Release System Fabrication Instructions

Attaching Lateral Lever Assembly

1. Lay KAFO on flat surface posterior side up.

2. Position the lever assembly (Item #9) on the lateral upright in a suitable position.



3. Center mark the (2) attachment holes using the lever mount on the lateral upright with a transfer punch or alternatively using a #19 drill.

4. Drill the (2) attachment holes with a #28 drill and tap using a #8-32 tap.

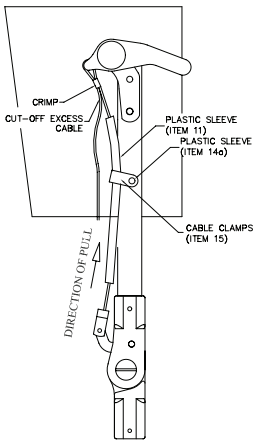
5. Mount the lever assembly to the lateral upright using the upper attachment hole only. The lower attachment screw will be attached with cables.

6. The cable must be routed so that the lever is pulled anterior. Typically the center of the upright.

7. Slide the outer sheath on the cable-shorten as needed leaving approximately 1" of exposed cable.

8. Feed the cable around the shoulder screw located on the lever assembly. Once the desired cable length is determined use crimp (Item #13) to set length. Trim excess cable as needed. The threaded end can be used to make fine adjustments if needed - Once length of cable is determined tighten jam nut to prevent loosening.

9. Cover crimp and threaded end with shrink tube.



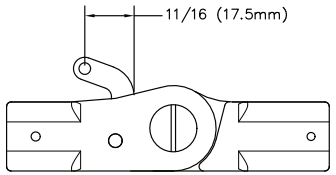
Modify Midesection Lever(s)

1. Drill a 4 mm or #21 hole through approximately 11/16" (17.5mm) from lever bend.

2. Trim the lever(s) to the desired length and remove any sharp edges.

3. Connect clevis (Item # 31) to lever using the clevis pin and clevis clip (Item #17 & Item #18). The clevis should pivot freely on lever when installed.

4. Thread the nut (Item #10) onto the threaded end of cable (Item # 12), then place thread into clevis.



Medial Cable Mounting – (Double Upright Configuration)

1. Attach cable clamp in the same manner as lateral side, Drill the attachment hole for cable clamp with a #28 drill and tap using a #8-32 tap. The cable clamp must be positioned so that the lever is pulled anterior. (Typically the center of the upright).

2. Trace out the path of the medial cable along the thigh shell to medial joint trigger. All radii formed by the cable should be larger than 2 ½" to ensure the cable slides freely within the cable conduit. Any restriction in the free movement of the cable will inhibit the locking mechanism of the joint and could cause premature wear, incomplete locking and/or joint lock failure.

3. Locate and mark the position of up to (4) plastic cable clamps (Item #15) along path of the medial cable traced out in step 2.

4. Drill through the KAFO at each of the marked positions using a #7 drill.

5. Place a brass insert (Item #16) into each of the #7 drilled holes from the inside of the thigh cuff. Insert one of the #8-32 screws (Item #14b) into the brass insert from the outside of the plastic. Tighten the #8-32 screw until the brass insert has been pulled completely into the plastic.

(Continued on next page)