**Parts Included**

- Modified Deep Housing
- Lock plate
- Valve body
- Silicone Plug
- Release button
- Pin spacers (3)
- Springs (3)
- Spacers Disk (3)
- Anchor
- Fabrication plug
- CD118P Lanyard Diak
- 118PC Lanyard Pull Cord
- #12 Copper Pin
- #12 Copper Bolt
- Degree AK Connector
- #12 Copper Lanyard Disk
- 118PC Degree Connector
- 3mm or 13mm deep well socket
- 8 piece wrench set
- Five hole plate

**Fabrication Instructions**

**Installing Anchor and Lock on Mold**

1. Cast limb with casting handle in place to create shape of lock in mold.
2. Insert anchor in cast handle of mold. Fill mold.
3. Mold and anchor are ready for fabrication.
4. Remove internal components from lock. See Caution #1.
5. Place lock in mold. Trace lock.
6. Flatten mold to fit to lock. Do not flatten beyond tracing of lock.
7. Drill 1/2” diameter hole. Angle hole to help anchor adhesive.
8. Place anchor in lock.

**Transferring Alignment**

16. The hole in the 5 Degree AK Connector is designed for adjusting alignment.
17. Make sure the bottom post of the lock is not blocked by attachment.
18. A hole is pre-drilled in the bottom of the lock to be plugged with the silicon plug during fabrication.
19. The spacer disks can be helpful for building the correct height.
20. The better the access to the post bottom the easier finishing is.
21. The spacer disks make sure your not blocked by attachment.
22. If you don't use spacer disks make sure your not resting on the pin post.
23. If silicone plug is used make sure to clear the connector you choose.
24. Run bead of Coyote Quick Glue or 5 minute epoxy around inner tunnel of lock.
25. Place lock on anchor and ensure release button is in desired location. Smooth out excess adhesive
26. Place mold and lock into connector in desired location.
27. Make sure the exit hole is clear of adhesive foam and fabricate plugs. Grind distal end of socket flat. Take care not to sand metal posts.
28. Use Coyote Quick Adhesive to attach lock in desired alignment.
29. Ensure holes of connector posts. Place connector offset or centered.
30. Once glue is set remove lock on mold. When glue sets, remove lock.
31. Apply nylon over mold. Reflect and twist nylon around tie-off ring of the anchor.
32. Pull nylon stockinette or other materials over connector, lock and mold.
33. Expose and remove small adhesive foam and fabrication plugs. Grind distal end of socket flat. Take care not to sand metal posts.
34. Remove socket from traditional fashion or with socket extractor.
35. Carefully smooth inside of hole to allow for easy assembly of lock.
36. Slide lock plate into lock. Springs first. It slides easily. ONLY ONE WAY. Verify orientation first. (See Caution #5)
37. Place lock pin in lock to hold lock plate. Add third spring. Slide release button into valve body.
38. Slide lock plate into lock. Springs first. It slides easily. ONLY ONE WAY. Verify orientation first. (See Caution #5)
39. Thread valve body into housing.
40. Hand-tighten valve body with Coyote lock wrench or 15mm deep wall socket.
41. Degree Connector with Quik Glue.
42. Pull nylon stockinette or other materials over connector, lock and mold.
43. Twist and reflect material to leave a small open circle in center of connector.
44. Ensure holes of connector are exposed. A hot nail or awl can be used.
45. Full first composite layer over mold. Cut top edges to fold around posts.
46. Reinforce offset as needed. It is recommended to use carbon fiber strips for reinforcement.
47. Cut top edges of composite to fold around posts.
48. Lubricate screws and install five hole plate. (See Caution #4)
49. Finish layup.

**Lamination Lay-up**

- Ensure预留 holes of connector are exposed. A hot nail or awl can be used.
- Full first composite layer over mold. Cut top edges to fold around posts.
- Reinforce offset as needed. It is recommended to use carbon fiber strips for reinforcement.
- Cut top edges of composite to fold around posts.
- Lubricate screws and install five hole plate. (See Caution #4)
- Finish layup.
Lay-up - Continued

Making Hole for Lanyard Cord

1. Send open silicone plug through Trautman.
2. Remove silicone plug. Smooth out the edges of the hole as it doesn’t cut the atrium.
3. Try to make the hole large enough the pin can pass through.
4. Install pin on liner.
5. The pin should bottom out in the lock. But not against your finish connector.
6. Reengage lock to check for proper string exit.

Related Parts

- Multi-Direction Insert CD103MDI
- Single-Direction Insert CD103SDI
- One-Shot Connector CD111

Parts Sold Separately

- 5 Degree AK Connector CD115CF5
- Alignable Connector CD103AF
- 6mm x 18mm Screws
- Small foam circles (4)
- Silicone Plug CD103SP
- Lanyard Disk CD118PD
- Glue Plate
- 5 Hole Plate
- Copper rivet.

Practitioner Instructions

Poor lock pin spacing leads to premature wear. There should be no play between the lock and liner when fully engaged. To ensure this, spacers may need to be added to the pin. It is best to check this with a lock that has not been put into a socket yet.

Documenting Suction

We view suction not as a component or a code, but as a function. Pistoning and milking can be reduced by maintaining a suction socket when using this lock.

- The suction feature of the lock can be demonstrated and documented very simply.
- Have the amputee step into the lock and seat completely.
- Using the lock wrench, remove the valve body, release button, and outer spring from the lock. The amputee is still locked into the socket, but air is now allowed to flow into the bottom of the socket like a traditional pin.
- Walk the patient normally.
- Amputee may experience a difference in how the socket feels immediately, but after some ambulation, or after reinstalling the valve body, release button and outer spring. Patient feedback should be documented.
- Call for more information on coding of the Air-Lock: (208) 429-0026.

For tracking purpose, write LOT number (from funnel of lock) here: ________________________

CAUTION (page 2)

1. Typically release button is oriented medially.
2. Typical Coyote® components use the 6x18mm screws. In atypical setups, longer screws may be needed. Always use screws class 10.9 or better.
3. Do not lubricate inside of lock, this will attract debris. If you have a noise issue, it is typically due to seating. Call for technical assistance.
4. Always use screws provided during lamination to ensure proper depth is created for attachment.
5. Never exceed 3 pin spacers.
6. Lay-up instructions are helpful hints on how to work with the lock and connector. Actual lay-ups are responsibility of the technician and/or practitioner.
7. Note number of clicks for engagement. There should be at least 2 to 3 clicks engagement prior to any ambulation and more clicks should occur after a few steps. 5 to 6 clicks (depending on liner) are required for full/proper seating and engagement.

- Liner threads vary. Begin threading pin into liner by hand whenever possible. A wrench will be needed in cases of tight threads.
- Regardless of threading, always use Loctite® Blue 242 on lock pin threads. If installing into a plastic distal adapter Coyote® Blue 242 should also be used.
- Fabrication videos can also be viewed at www.coyotedesign.com/video

Need more help? Fabrication videos can also be viewed at www.coyotedesign.com/video