





Weight limit: 350 lbs. 2-year warranty against manufacturer defects, excessive wear or breakage.







Fabrication plug



CE



Deep Housing

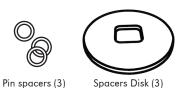
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Anchor

Release button Lock plate







9

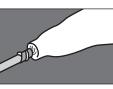
Valve body

Manufactured by



419 N. Curtis Rd., Boise, Idaho 83706 (208) 429-0026 | www.coyotedesign.com





Cast limb with casting 2 handle in place to create shape of lock in mold.

Fill hole with Coyote

Quick Adhesive or

fast-setting epoxy.

**16** Drape mold and blister

22 Place lock pin in lock to

**Transferring Alignment** 

hold lock plate.

28 Lube and install glue

connector

plate on alignable

air-lock.

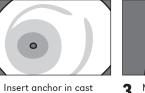
molding instructional

videos are available at

www.coyotedesign.com/

**Drape Molding Check Socket** 

9



**10** Place anchor and

sets, remove lock.

17 For extra strength, fold

end of connector.

23 Add third spring. Slide

valve body.

connector.

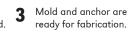
release button into

excess seam on distal

lock on mold. When glue

handle of mold. Fill mold.

11



Apply nylon over mold.

around tie-off ring

of the anchor

**18** Expose and remove

small adhesive foam

and fabrication plug.

socket flat. Take care not

Grind distal end of

to sand metal posts.

Foam can be left in

guide for flattening.

24 Thread valve body into

housing

place to act as a

Reflect and twist nylon

components from lock with a Coyote lock wrench or 13mm deep well socket. Be careful not to lose springs during removal. **Casting Handle users** skip to step 11.

Install Fabrication

Plug in lock.

**19** Remove socket in

25 Hand-tighten valve

well socket.

body with Coyote lock

wrench or 13mm deep

traditional fashion or

with socket extractor.

12

Remove internal



5 Place lock on mold. Trace lock



Do not flatten beyond tracing of lock.



Place lock on mold. of release button. (See Caution #1)

**14** Install insert of choice

13 Mark desired location



20 Carefully smooth inside of hole to allow for easy assembly of lock.

26 Typical Coyote® components use 6x18mm screws provided and Loctite® Blue 242 when attaching pyramid. Torque provided connector screws to 10 Nm. (See Caution #2 and #4)

27 Use Coyote alignment coupler CD106 for alignment during fitting.

When transferring, it is recommended to use a new lock or lock housing in the definitive socket. The lock in the test socket can be removed when time permits and reused in another test socket. This will also allow you to duplicate the alignment established in the test socket in the definitive.

- **33** Take measurements for more accurate comparisons
- 31 Remove o-ring from hous- 32 Rest mold and lock on alignable connector. Place test socket next to mold and compare alignments.





40 Run bead of Coyote Quick Adhesive or five minute epoxy around funnel of lock.

41 Place lock on anchor in desired location (see Caution #1).



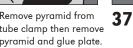
**36** Remove pyramid from tube clamp then remove pyramid and glue plate.



30 Install pyramid on adapter.







37 Remove all lock parts before laminating. Put wax or clean clay in fabrication plug hole.



**38** Pull inner PVA bag over mold. Bag may be heated to help conform to distal end. Tie PVA to

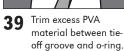
anchor in the tie-off ring.

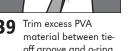


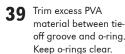


ing. Install lock on mold

in desired location, mark















If using casting handle, begin with Step 1. If NOT using casting handle, skip to Step 4.





in alignable connector.



Drill 1/2" diameter hole. **8** Place anchor in lock. Angle hole to help anchor adhesive.





Place adhesive foam 15 on connector posts. Place connector offset or centered.



21 Slide lock plate into lock, springs first. It slides easily ONLY one way. Verify orientation first. (See Caution #3)





- 1. Do not position lock with release button pointing posterior or anterior. Typically release button is oriented medially.
- 2. Typical Coyote<sup>®</sup> components use 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.



**34** Separate lock from connector. Fill connector with Coyote Quick Adhesive or fast-setting ероху.



35 Place mold and lock back into connector in desired location. Let set

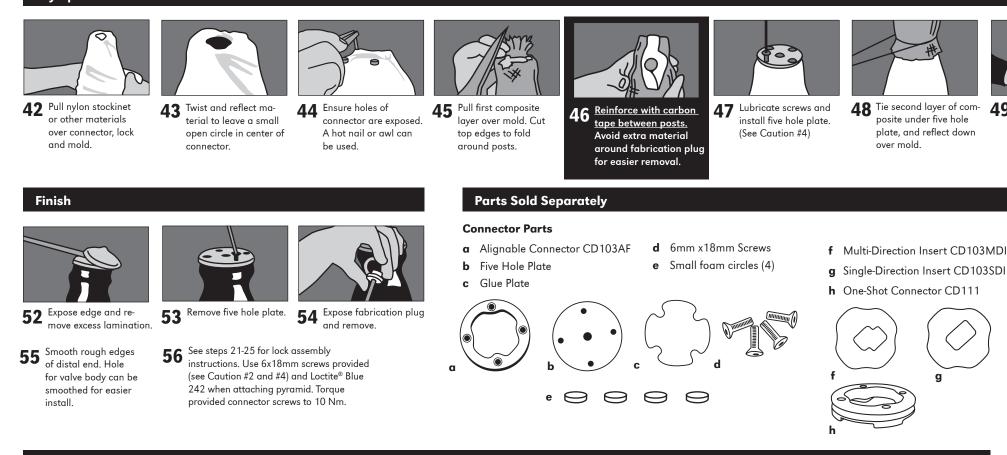


Clean excess glue.

# **Need assistance?**

Call us, we would love to help. (208) 429-0026



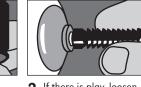


### **Practitioner Instructions**

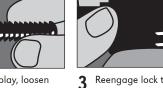
Poor lock pin spacing leads to premature wear. There should be no play between the lock and liner when fully engaged. To ensure this, spacers may need to be added to the pin. It is best to check this with a lock that has not been put into a socket yet.



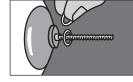
1 Install pin on liner. Engage lock to check for play between lock and liner.



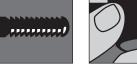
**7** If there is play, loosen pin away from adapter screw and liner.



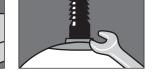
- 3 Remove lock
- . . . . . . . . . . . . . . . . 4 Gap is created between pin and liner.



**5** Based on the gap created Replace pin on 6 by loosening pin, install adapter, making appropriate number of pin sure base fits snugly spacers on adaptor (see on pin spacers. Caution #2).



After installing pin 7 spacers, re-engage lock to be sure there is no play



8 Apply Loctite<sup>®</sup> Blue 242 to threads of lock pin. Pin may need to be tightened with a 7/16" or 11 mm wrench. (See Caution #4 and #5)

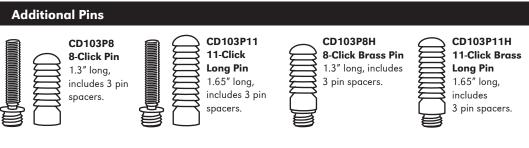
### **Documenting Suction**

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, 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.

It is the practitioner's responsibility to demonstrate, document, and select appropriate codes for insurance billing.





**49** Pull bag and laminate as usual. Initially restrict flow to force lamination through the center hole on plate, forcing out air pockets.

50 Toward end of be placed over five excess resin out of lamination

### **Related Parts**

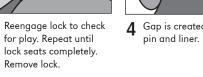
- i Alignment Coupler CD106
- i Lock Wrench CD103WH
- **k** Casting Handle CD316A



### Detach here and keep everything below with patient records

## **CAUTION** (page 2)

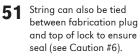
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- 2. Typical Coyote<sup>®</sup> components use the class 10.9 or better.
- 3. Do not lubricate inside of lock, this will it is typically due to seating. Call for technical assistance.
- 4. Always use screws provided during lamination to ensure proper depth is created for attachment.
- 5. Never exceed 3 pin spacers.
- and/or practitioner.
- proper seating and engagement.





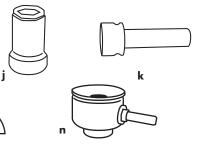
lamination, tape can hole plate to squeeze



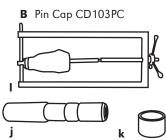




- I Extractor, Socket Removal Tool CD301
- **m** Fabrication dummy CD103FD (for flexible inner liners, NOT for drop-in system)



- **n** Fitting Lock (for pin spacing) CD103FL
- A Guide Pin CD103GP



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

- 6x18mm screws. In atypical setups, longer screws may be needed. Always use screws
- attract debris. If you have a noise issue,
- 6. Lay-up instructions are helpful hints on how to work with the lock and connector. Actual lay-ups are responsibility of the technician
- 7. Note number of clicks for engagement. There should be at least 3 to 4 clicks engagement prior to any ambulation and more clicks should occur after a few steps. 8 to 9 clicks (depending on liner) are required for full/

- 8. Liner threads vary. Begin threading pin into liner by hand whenever possible. A wrench will be needed in cases of tight threads.
- 9. Regardless of threading, always use Loctite® Blue 242 on lock pin threads. If installing into a plastic distal adapter Loctite® Blue 242 should also be used.
- 10. The CD103P11 and CD103P11H are the longer pins for the Air-Lock. However, with most liners this longer pin will bottom out in the CD103 AirLock. If a long pin is needed, call Coyote for information on extending the depth of the lock to allow for use with the longer pin, or for a deeper lock option.
- 11. If using a flexible inner liner, do not leave plastic over lock housing, this can cause air leakage and other issues. You should laminate directly over housing. Contact Coyote for more information, or visit the video gallery at coyotedesign.com.
- 12. If you have a pin you cannot install, even with a wrench, contact Coyote for a replacement.