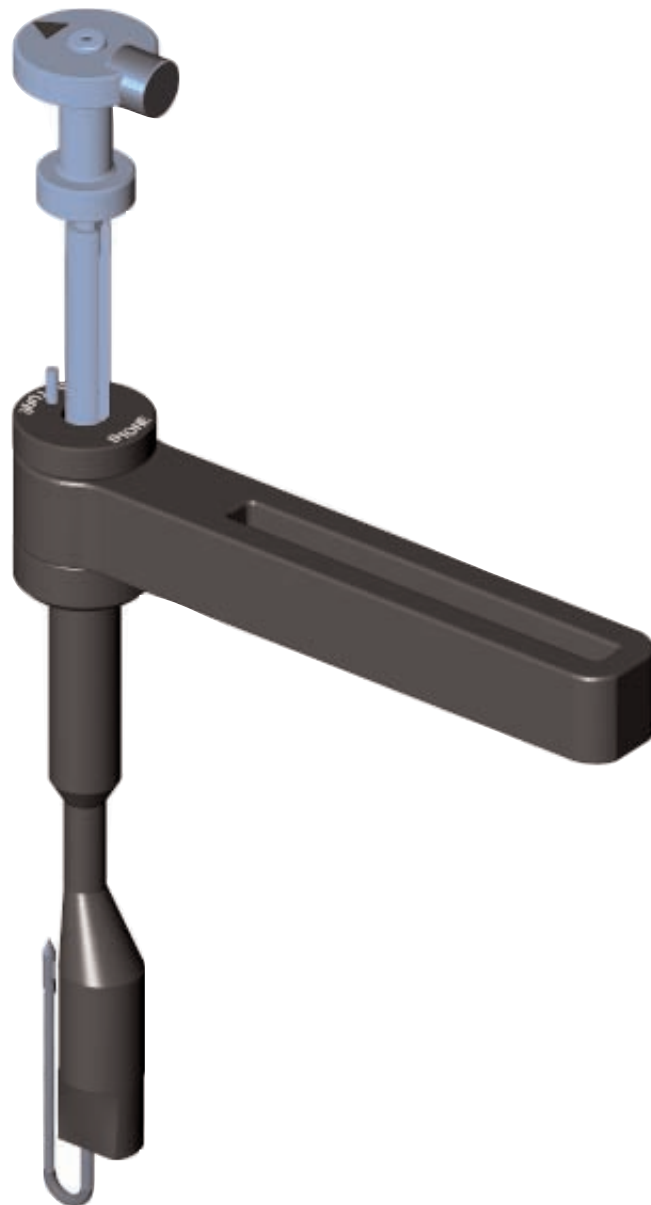


Kronner

Cannula Site Stitcher

Cleaning and sterilization instructions



Kronner Medical Mfg., 1443 Upper Cleveland Rapids Road, Roseburg, OR 97471
Phone: 800-706-3533 / 541-672-2543 Fax: 541-672-1074
E-mail: kronner@kronner.com Website: <http://www.kronner.com>

Cleaning instructions:

The Stitcher can be cleaned by removing the needle and plunger, flushing the irrigation ports, and using brushes to remove visible contamination.

Most contamination occurs in the needle groove and the channel for storing the needle in the guard. There is a connection between the channel and the groove to aid in flushing these two areas.

The Stitcher can be considered cleaned satisfactorily if all visible contamination is removed and irrigating fluids are clear.

The Stitcher is easier to clean if it is placed in clean, **cold water** immediately after use to prevent blood from coagulating.

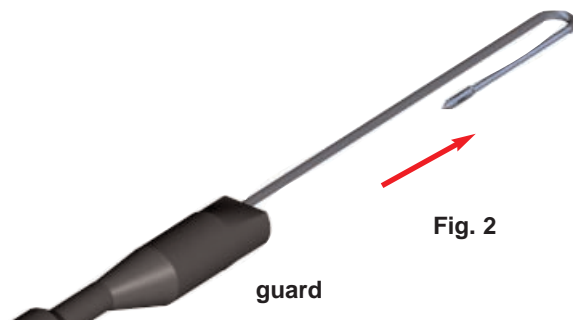
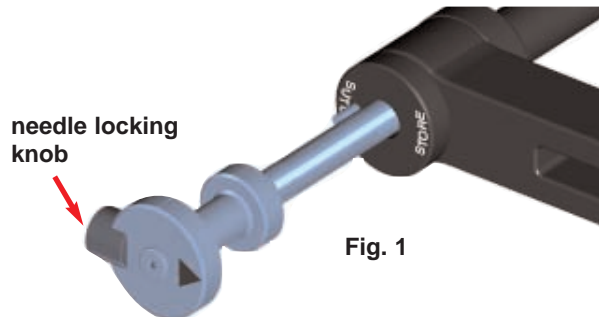
The Stitcher can be disassembled without wrenches.

Disassembling the Stitcher:

Removing the needle:

The needle can be removed in any plunger position.

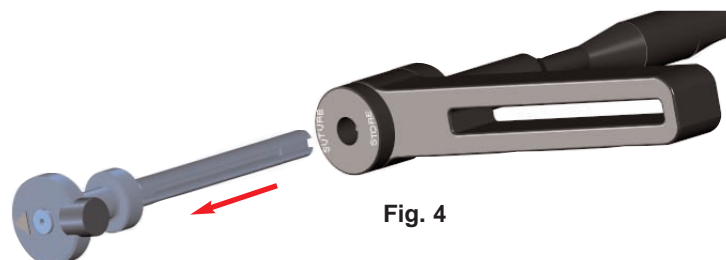
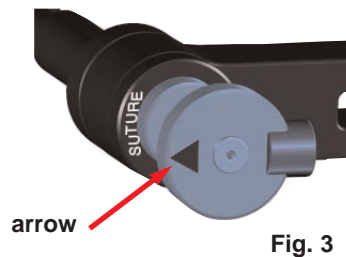
1. Release the needle locking knob.



2. Pull the needle from the guard.

Removing the plunger:

1. Push the plunger in as far as possible and rotate it to the suture position, the arrow on the plunger knob aligns with SUTURE.



2. Pull the plunger from the Stitcher.

Cleaning the Stitcher:

1. Use a luer slip syringe or flexible line with a luer slip fitting to flush the store channel at the end of the guard with clean filtered water and an enzymatic detergent, until all irrigation fluid is clear. Brush this channel and the connecting channel to the needle groove. Repeat the flushing until all fluid is clear.

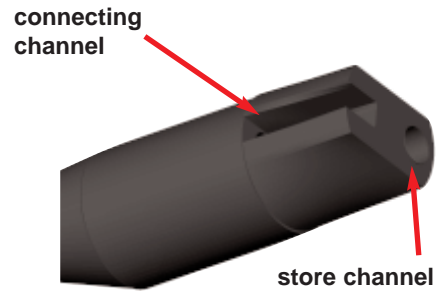


Fig. 5



Fig. 6

2. Flush and brush the Stitcher main channel.
3. Brush and flush all surfaces of the Stitcher until they are free of visible contamination.

Reassembling the Stitcher:

1. Align the long groove of the plunger to the pin protruding into the Stitcher main channel.

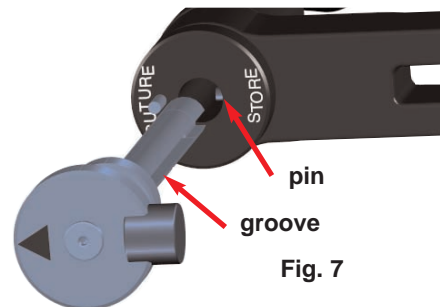


Fig. 7

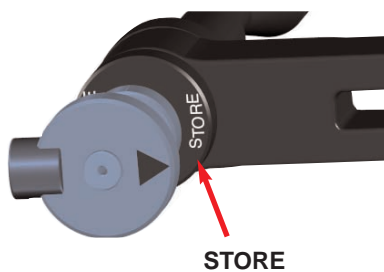


Fig. 8

2. Insert the plunger into the Stitcher as far as possible, fully depressing the tension pin.
3. Rotate the plunger to the needle store position. The knob arrow aligns with STORE.

4. Pull the plunger out as far as possible.

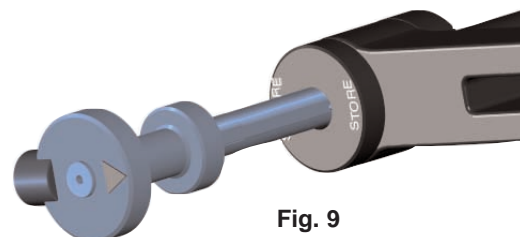
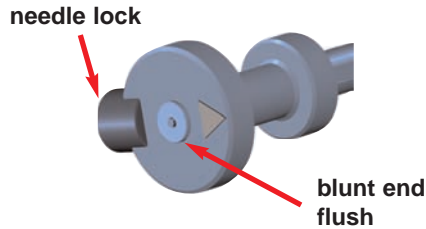
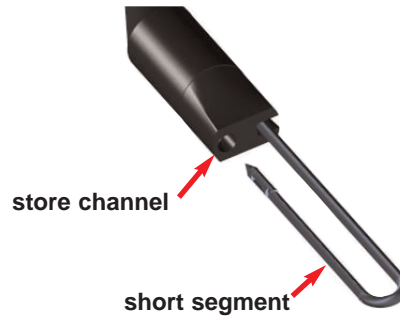


Fig. 9

5. Insert the needle into the Stitcher guard with the needle short segment inserted into the store channel.



The blunt end of the needle is visible and level with the back edge of the knob.

6. Firmly tighten the needle lock.

Testing the Stitcher:

1. Cycle the needle by pushing the plunger as far as possible, fully depressing the tension pin, and rotate the needle to the SUTURE position. See Fig. 3.
2. Pull the plunger to draw the needle as far as possible into the groove of the guard. The curved part of the needle should contact the proximal end of the groove. If the needle does not make contact, the needle may be connected backward.
3. Push the plunger as far as possible, fully depressing the tension pin, and rotate the needle to the STORE position. See Fig. 8.
4. Draw the needle into the guard as far as possible.



The Stitcher is now ready for use.

Sterilizing the Stitcher:

Steam autoclave the Stitcher for 10 minutes at 270 degrees and 30 psi.

To order:

KS3-15 Kronner Cannula Site Stitcher
(15 mm. guard, outer diameter)*

KS3-N55 Replacement Needle
(active length 55 mm)

*for 10-12 mm cannulae, (inner diameter)

U.S. Pat. No. 5617110
Federal law restricts this device to sale by or on the order of a physician.

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