

# AESCULAP® CLASSIC BIPOLAR TUBAL FORCEPS

Model No. MF975 and Model No. MF985

(Also MF971 and MF981)

## PRODUCT DESCRIPTION

The Aesculap® Classic Bipolar Tubal Forceps are reusable modular laparoscopic bipolar instruments. They come with either a “syringe” styled handle or a “traditional” pistol grip styled handle. They are available in either 32cm or 45 cm working length. The jaw inserts are reusable and available when replacements are needed.

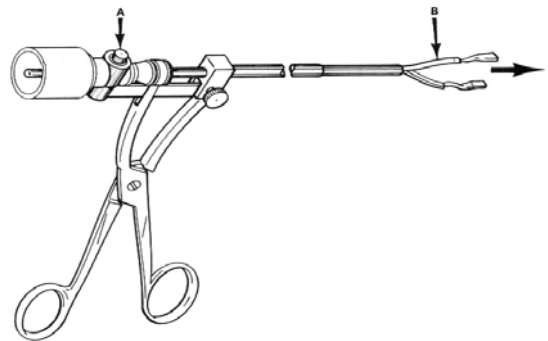
## INDICATIONS FOR USE

The Aesculap® Classic Bipolar Tubal Forceps are laparoscopic instruments using bipolar energy designed to grasp and coagulate tissue including tubular structures such as fallopian tubes for tubal ligation.

## DISASSEMBLY

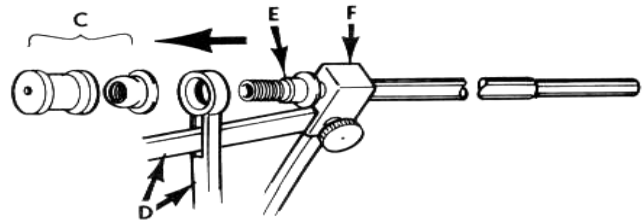
### Step 1

Press button (A) to release (B) Inner Tong and withdraw in direction of arrow.



### Step 2

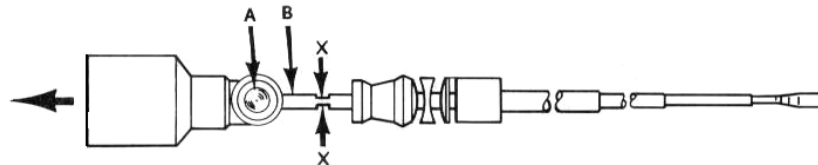
Remove threaded nipple (C) by turning counterclockwise (sealing cap can be removed with threaded nipple). Squeeze handle to move flange (E) against (F). Lift handle (D) over threaded end (E). Entire handle (D) will hang out of way to remove (E) (Inner Shaft) in direction of arrow.



## **ASSEMBLY**

To reassemble, reverse above procedure.

**IMPORTANT NOTE:** When reinstalling inner tong press button (A), slide (B) into (A) (in direction of arrow). Be certain that indentation (X-X) is in position as shown.



## **CLEANING**

Be sure the instrument has been disassembled into four pieces: Handle with outer shaft (B,G), Inner Tong (A), Inner Shaft (C), and Sealing Cap housing (E,D).

1. Rinse with deionized water to remove any gross debris.
2. Hand wash all parts using neutral pH detergent or enzymatic cleaner and a soft brush, being sure to flush all lumens and channels with the solution. Thoroughly clean inside of outer shaft (B) and (C), using a soft brush and flush solution through it. Avoid the use of steel wool, wire brushes, and/or abrasive detergents.
3. Clean entire surface of inner tong (A), paying special attention to the tip area to be sure all blood and debris are removed.

**IMPORTANT NOTE:** Be sure to always check the forceps tips. The tips should be free from any tissue or any other material that may have adhered to it during coagulation. Unless these tips are completely clean, the forceps will not coagulate properly.

4. Thoroughly rinse instrument with deionized water after cleaning to remove any residual debris or cleaning solution.

All accessories may be cleaned by conventional procedures, including ultrasonic cleaning. Also, it should be noted that ultrasonic cleaning over extended periods of time can deteriorate the delicate joints of forceps. It is important that electrosurgical accessories be dry when put into use, otherwise intermittent performance will be obtained.

## **STERILIZATION**

The instrument can be sterilized fully assembled (recommended) or it can be sterilized disassembled and then reassembled in a sterile field in the operating room.

### **1. ETO STERILIZATION:**

Instrument can be sterilized by ethylene oxide in any standard cycle. Pressure reading should not exceed 12 PSI. Temperature should not to exceed 155° F (68.3° C).

It is recommended to follow the manufacturer's instructions for the ETO sterilization unit concerning humidity, vacuum, cycle time, gas concentration and temperature.

## **2. STEAM AUTOCLAVING:**

When using wrap method, make certain that the instruments are individually wrapped or sealed in a sterile pack. Other metal objects should never come in contact with the insulating material of forceps and handles, or with RF-connection cables. Such points of contact will cause severe melting.

We recommend the following values/parameters but also suggest to follow the manufacturer's instructions for steam sterilization:

CYCLE	STERILIZING TEMPERATURE	STERILIZING TIME	DRYING TIME
Prevacuum	270° F (132° C)	4 minutes	30 minutes
Gravity	250° F (121° C)	30 minutes	45 minutes
Gravity	270° F (132° C)	15 minutes	45 minutes

To prevent a build up of moisture inside the instrument and RF-cables, it is important that the longest drying cycle possible is used. It is recommended to use a 30-minute dry cycle if autoclave unit offers this option. Corrosion, pitting or intermittent operation are usual signs of a moisture induced corrosion problem.

## **TESTING AND MAINTENANCE**

All electrosurgical accessories should be inspected prior to each surgical procedure. Check for signs of deterioration. It is recommended that all accessories be thoroughly inspected and tested by a qualified biomedical technician at least every six months, to insure proper performance. It is recommended to have extra sets of accessories on hand. Electrosurgical cables should be considered fragile items. With heavy usage, cables may not last between these six months intervals.

Electrosurgical cables which have cracks or breaks in their insulation should be repaired or replaced. If cracked or peeling insulation, intermittent performance, or corrosion is observed, it should be immediately forwarded for repair.

## **WARNINGS**

**Many electrosurgical accidents have been caused by faulty accessories, and by failure to check for and identify these accessories prior to each procedure.**

## **REPAIR**

1. Repair of the instruments by parties other than Aesculap will void the warranty.
2. If the instruments require repair or maintenance, contact Aesculap at 1-800-214-3392
3. Ship to: AESCULAP, INC.  
615 Lambert Pointe Dr.  
Hazelwood, MO. 63042
4. Instruments returned to Aesculap for repair must have a statement, which testifies that each instrument has been thoroughly cleaned and disinfected. Failure to supply evidence of cleaning and disinfection will result in a cleaning charge and delayed processing of your instrument repair.

## **ORDERING INFORMATION FOR SPARE PARTS:**

Inner Tong – Flat Tip Style:

MF971 - 32 cm long

MF981 - 45 cm long

Bipolar Connection Cables:

MF966 Reusable cables for Wolf electrosurgical generators

MF967 Reusable cables for generators with dual banana plugs such as Valley Lab electrosurgical generators

## **CUSTOMER SERVICE**

For further information please contact Aesculap, Inc. Customer Service at 1-800-282-9000.

Distributed By

**AESCULAP**

3773 Corporate Parkway  
Center Valley, PA 18034

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