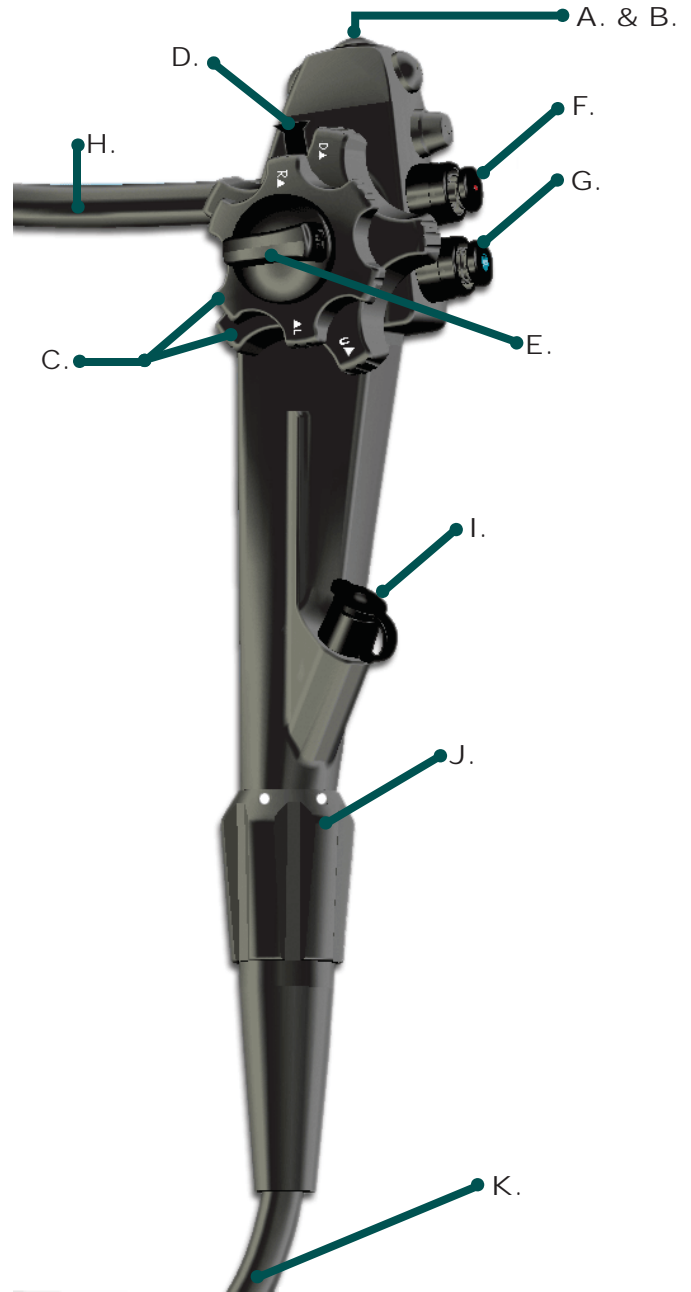




**Endoscope Repair:** Flexible, Rigid, Camera Heads, Power ● **Refurbished Endoscopy Equipment:** GI and Surgical  
● **ERBE Surgical Systems:** Electrosurgery, Helix Hydro-Jet™ ●

## Understanding Your Flexible Endoscopes



### The Control Body

A. Ocular Eyepiece (*Not Shown. This is not on Video Units*)

#### B. Video Controls

On non-video scopes, this is where the eyepiece would be located. On video endoscopes, this area is where the video controls will be found. The functions vary by brand / model of scope.

#### C. Angulation Controls & Left / Right Control Lock

Controls the up / down, left / right articulation.  
*Note: The marks on locks show direction to move them in order to free the control. Turn the lock in the opposite direction to lock the control in place.*

#### D. Up / Down Angulation Lock Lever

#### E. Right / Left Angulation Lock Knob

#### F. Suction Valve

Controlled with the index finger (press to activate). Suction is done through the biopsy channel. Suction will not occur if an instrument is in the channel or the biopsy cap is removed.

#### G. Air / Water Valve

Controlled with the index finger. User covers hole on top to force air down into the endoscope to the air/water nozzle, pushes down valve for water.

#### H. Light Guide Tube (Umbilical) –

Used to connect endoscope to the video processor and light source.

#### I. Biopsy Channel & Cap

Used to pass forceps, graspers and other interventional tools into the field of view.

#### J. Adjustable Stiffness Mechanism

Used to adjust the flexibility and rigidity of the insertion tube.

#### K. Insertion Tube (*below the Control Body*)

The insertion tube is the portion of the endoscope that is inserted into the patient. The distal tip is at the end of the insertion tube.

LSI-FLEX-0506



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## The Light Guide Connector

A. Electrical Connector for Video Scope Cable

B. Air Pipe

Feeds air to pressurize water bottle and for insufflation.

C. Light Guide Post

Delivers light to the distal end.

D. Suction Connector

Connects the suction tubing to the scope.

E. Air / Water Connector

F. S-Cord Connector

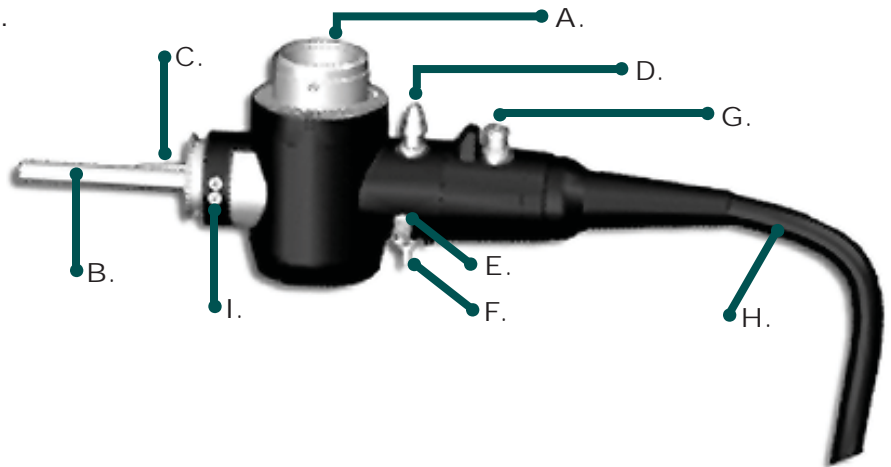
For grounding the scope.

G. Venting Connector

H. Light Guide Tube (Umbilical)

Used to connect endoscope to the video processor and light source.

I. Electrical Contacts



## The Distal Tip

This Distal Tip is located at the very end of the Insertion Tube.

A. Biopsy Channel Opening

Opening at the end of insertion tube where instruments and accessories exit channel. Suctioning is also done through the biopsy channel.

B. Light Guide(s)

Delivers light into the field of view.

C. Objective Lens / Image Lens

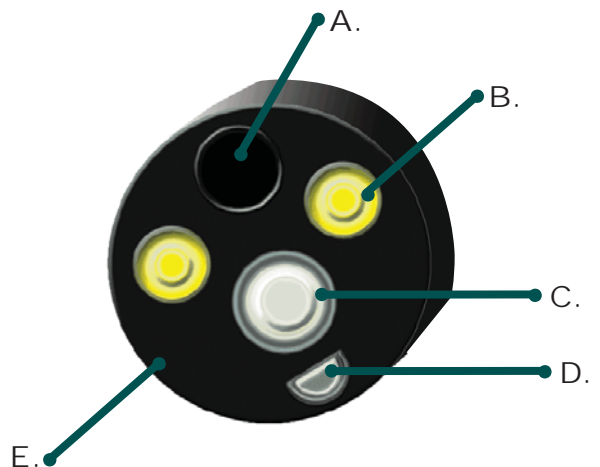
Optics that focus the image and protects the video chip or CCD.

D. Air / Water Nozzles

Ports that allow users to clean lens with forced air or water.

E. C-Cover

Protective cover on the end of the distal tip.



Proper Method to Hold or Carry Flexible Endoscopes:

Always hold the Distal Tip in one hand and other portions with the other. Be cautious not to impact the Distal Tip.

To schedule an educational session on flexible endoscopes, please contact your Life Systems' Director of Business Development.