

Global Borescope Newsletter

Videoscope Repairs

June 2009

Dear Customer

Global Borescope a borescope repair service provider since 1999 and is seeking to expand our repair services. We repair all makes and models of borescopes including GE, Everest, Olympus, Hawkeye, and many others. Our main expertise is fiberscopes and rigid borescopes but with the advent of videoscope technology (CCD) Global Borescope has now entered the videoscope repair field. Our customers have inquired about the capability of Global to repair their videoscopes, and so our technicians have quietly been repairing most makes and models for just over 18 months. The main repairs completed are similar to those of fiberscopes - damaged articulation and low light output. Both these issues are fixable. Although the videoscope articulation systems are mechanically the same as fiberscopes, the teardown process requires extreme care during disassembly.

Our continuing search for high quality borescope components at reasonable prices has helped us to stay price competitive in the videoscope & borescope marketplace, and we are looking to pass on this savings and expertise to our end customer. All this along with price match guarantee makes Global Borescope worth taking a good look at.

Indestructible Videoscopes?

While Videoscopes are known to withstand tougher environments and hold up well in most industrial applications such as inside boilers, tough turbine inspections, heat exchangers, cooling towers and many other inspections, they are not indestructible. The amount of fragile components contained in videoscopes is equal to that of fiberscopes, but the major difference between the two is the cost of their components. Videoscopes contain an articulation system, light carrying fibers or led's, and at the heart of the system is a camera chip built in to the distal end with a electronic cable that runs full length of scope that attaches to a camera board, which is sometimes placed in handle but in most cases is placed in a separate camera control unit/box called CCU (the CCU in most videoscope systems contains the camera board, other electronic boards, light source and power supply)



Can my Videoscope be repaired?

Yes it can, we have repaired many videoscopes the past 18 months, and we have discovered most repairs although having been classified by original manufactures as complete rebuilds are in fact minor to intermediate repairs. As long as the videoscope has a video signal we can most likely repair it. Our approach is simple repair only what is broken, we perform such repairs as: Tighten Articulation, Repair/Replace bending sections, Replace Articulation Cables & Guides, Repair/Replace Light Guide Fiber Bundle (on most models), Replace outer braid, Repair/Replace Electronics. Most CCU issues are repairable such as light source failure, power issues, transistor & capacitor repair or replacement. But if the videoscope unit is indeed in need of a complete rebuild we can provide you some trade-in options on our competitively priced videoscopes. Or if needed we can request RMA # from OEM then ship your scope directly to them on your behalf. Visit our repair page <http://globalborescope.com/videoscope-repair.html>