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OWNERS MANUAL**100X - 8X FIBER  
Inspection Scope**

Mfr. Part No. 12-9025  
U.S. Patent #5,731,893

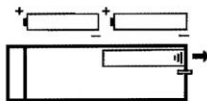
**Please read instructions  
carefully before operating  
your new instrument!**

**CAUTION - DO NOT VIEW  
ACTIVE FIBER WITH  
THIS INSTRUMENT!**

PREPARATION**INSTALLING BATTERIES**

Use two AA batteries to properly power your TrueView fiber scope.

- Remove the battery housing cover by placing a slight amount of thumb pressure near the viewing end of the scope body, sliding in the direction of the arrow as shown below.



- Insert batteries and replace cover.

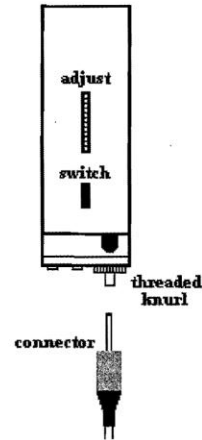
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OPERATION**USING THE 100X  
ADJUSTABLE SCOPE**

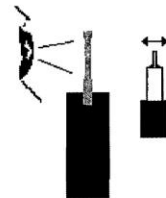
The 100X adjustable magnifier is configured with a field aligning aluminum head. (See field alignment section of this manual)

- To view the ferrule end of an ST\* or SC fiber connector, slide the ferrule into the inspection port until it bottoms-out. On SC type connectors, it may be necessary to apply pressure to the back strain relief boot to ensure the ferrule end meets the minimum depth-of-field needed for proper viewing.
- View other types of connectors such as the SMA and D4 to name a few is also possible. In order to do so however, it will be necessary for you to first purchase the desired adapter from your supplier. To re-configure your scope for other connector styles, unscrew the existing threaded knurl from the aluminum plate and thread in the replacement knurl.
- Viewing the image can be accomplished by focusing with the thumb-wheel adjustment knob. You may first want to switch on the internal light source, however in bright room lighting conditions, the internal light source may not be necessary. See next page.

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OPERATION CONTINUED**USING THE 8X RETRACTABLE  
CROWN INSPECTION LOUPE**

- To perform crown inspections in preparation for fiber cleaving or polishing simply pull out the 8X loupe from the viewing end of the scope and hold within approximately 2 inches of your eye. Maximum magnification is obtained by moving the ferrule back and forth on the opposite side of the lens.

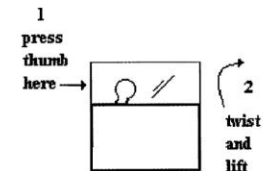


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**REPLACING THE BULB  
OR ADDING OTHER SCOPE  
HEAD ASSEMBLIES**

**FOLLOW THESE EASY STEPS  
TO REPLACE THE BULB OR  
ADD OPTIONAL HEAD  
ASSEMBLIES.**

- Hold scope base unit in one hand with your thumb resting on the bulb side of the clear plastic lens.
- Apply thumb pressure against the plastic lens until it pops loose (about 1/4 inch of lateral movement can be expected).
- Lift off the plastic lens by applying a two finger prying motion on the broad sides of the lens.
- Unscrew old bulb and replace with a new like part (available at your local hardware or electronics store). If changing the head assembly, simply snap on the new head and re-align the plate as indicated in step 5 of this manual.
- Reverse the steps above to restore scope to original configuration.



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### FIELD ALIGNMENT OF ALUMINUM HEAD

#### **TOOLS NEEDED TO PERFORM ALIGNING ADJUSTMENT.**

- **Small electronics screw driver.**

#### **ADJUSTMENT PROCEDURE**

- Insert connector in inspection port.
- Loosen screws on top of the aluminum plate head piece.
- Align image and hold plate and clear lens together while tightening one of the two hold-down screws.
- Perform fine adjustment by viewing image and placing thumb pressure on the side of the aluminum plate.

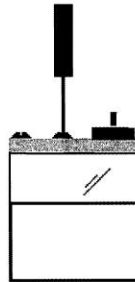
NOTE: Be aware that image will move in the opposite direction that pressure is applied.

- Tighten the last screw when you are satisfied with the view.

**CAUTION: Do not over-tighten hold down screws.**

See illustration at top of page 6.

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### CARE AND STORAGE

Store your fiber inspection scope in appropriate ambient temperatures. Extreme temperatures can shorten the life of your instrument.

Dust and dirt can cause premature wear on your scope. Be sure to gently clean the scope with a lint free cloth after each use.

When not using your scope, be sure to store it in a protected case to avoid lens damage from sun, dust, dirt, or moisture.

Do not clean any portion of your scope with a harsh chemical, alcohol or solvent. Use a dry lint free cloth or electronics grade canned compressed air.

**CAUTION: Always remove all epoxy from connector ferrules before inserting into scope.**

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### WARRANTY

*Your TrueView scope is factory warranted for a period of one year from date of purchase, whether purchased as a single unit or in an installation kit. During this period, we will repair or replace any unit or sub-component that is factory defective at our expense. We will also provide free "direct-drop" shipment to the scope owner. This warranty gives you specific rights which may vary depending on your location. Our policy is:*

*Complete Client Satisfaction*

*Dated proof of purchase required.*

#### Other TrueView Products

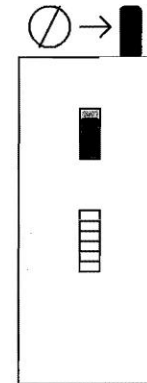
- **Angle plate adapter for enhanced (200X - 400X) effective inspection capabilities.**
- **LC, SMA and Biconic connector type adapters. (Easy change-out design.)**
- **Pocket Source, LAN continuity tester.**
- **Bare fiber Splice View Adapter; highly recommended for both pre-fusion & mechanical fiber inspection.**

\*ST Connector is a registered trademark of AT&T.

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### ADDITIONAL INFORMATION

#### **CAUTION:**



**Do not apply thumb pressure to extended objective while the acrylic head piece is removed. Doing so will cause damage to the scope.**