



**USTI**  
**Universal Shock Tube Initiator**  
*User Manual*

**To Fire**

**Warning:** *Do not connect shock tube until you are ready to fire a shot.*

1. Remove switch tip from USTI case.
2. Connect shock tube to switch tip assuring that the tube is seated firmly against tapered screw and that the piercing pin passes through both sides of the shock tube.
3. Insert switch tip into terminals on USTI case.
4. Apply a trigger signal to the red and black wires of the cable. The trigger signal must be between 20V and 400V lasting between 10 - 100 ms. The unit will fire approximately 1 second after the trigger signal is activated. Input voltage is polarity insensitive.

**Caution:** *Do not insert any metal objects into either terminal.*

**To Replace Batteries**

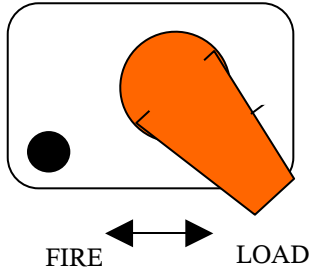
1. Remove 4 lid screws.
2. Remove battery bar.
3. Replace batteries with two 9-volt alkaline cells (Duracell MN1604B2 or equivalent).
4. Replace battery bar and tighten bar screw until the bar bows slightly.
5. Replace lid and tighten lid screws until snug. **Caution:** *Overtightening lid screws may damage the lid seal allowing water to leak in.*

**To Replace Cable**

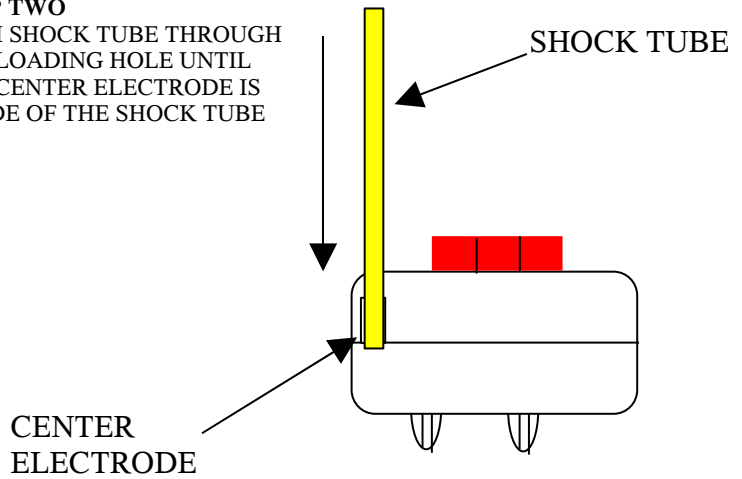
1. The connector used for the trigger input is a PT06A-12-3P-SR. This is a 3-pin cable connector with strain relief. Terminals A and B are used for the trigger input signal. Terminal C is not used.
2. Obtain a cable with at least two conductors.
3. Connect one conductor to terminal A, and another conductor to terminal B.

Duke Pro, Inc.  
[www.dukepro.com](http://www.dukepro.com)  
866-587-3853  
828-684-6022

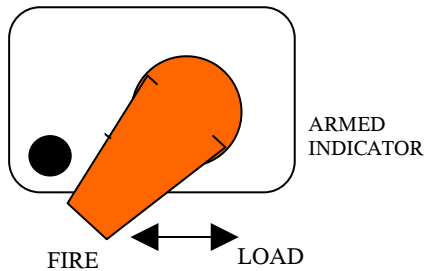
**STEP ONE**  
 PLACE PIERCING  
 ELECTRODE CONTROL  
 LEVER IN THE LOAD  
 POSITION (*AWAY FROM*  
*CENTER ELECTRODE HOLE*)



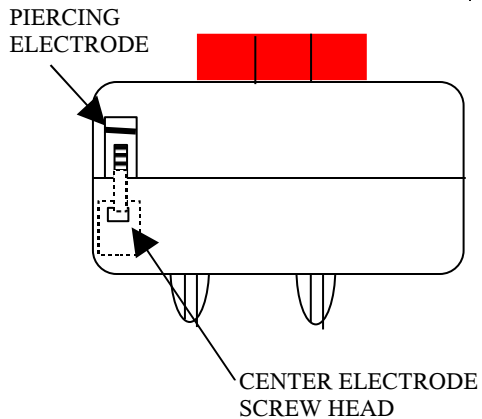
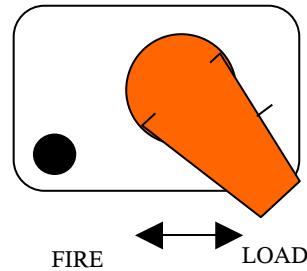
**STEP TWO**  
 PUSH SHOCK TUBE THROUGH  
 THE LOADING HOLE UNTIL  
 THE CENTER ELECTRODE IS  
 INSIDE OF THE SHOCK TUBE



**STEP 3**  
 MOVE THE PIERCING  
 CONTROL ARM LEVER  
 TO THE FIRE POSITION



**STEP 4** \*\*\* *IMPORTANT* \*\*\*  
 ALWAYS MOVE PIERCING CONTROL ARM LEVER TO LOAD  
 POSITION *BEFORE* REMOVING SHOCK TUBE



**CALIBRATION:**  
 SCREW CENTER ELECTRODE UNTIL IT  
 TOUCHES PIERCING ELECTRODE THEN  
 BACK OFF ¼ - 1/2 TURN COUNTER- CLOCKWISE;  
 TEST UNIT AND IF ARCING OCCURS, BACK OFF CENTER  
 ELECTRODE UNTIL ARCING STOPS