

**ESI Tip  
Operating Instructions  
and  
Calibration Procedure**



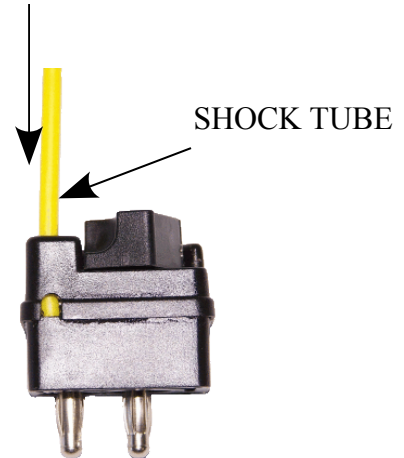
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**STEP ONE**  
PLACE CROSS-PIERCING  
ELECTRODE CONTROL LEVER  
IN THE SAFE POSITION (*AWAY*  
*FROM SHOCK TUBE HOL* .



FIRE ← → SAFE

**STEP TWO**  
PUSH SHOCK TUBE THROUGH  
THE LOADING HOLE UNTIL  
THE CENTER ELECTRODE IS  
INSIDE OF THE SHOCK TUBE.  
DO NOT TWIST THE SHOCK  
TUBE WHILE INSERTING OR  
REMOVING.

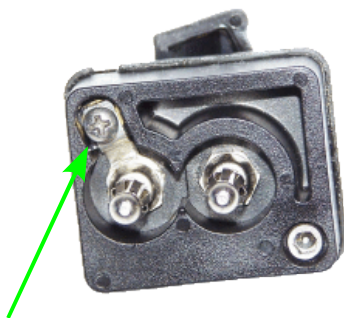


**STEP THREE**  
MOVE THE CONTROL ARM  
LEVER TO THE FIRE POSITION.

**\*\*\* IMPORTANT \*\*\***  
**ALWAYS MOVE PIERCING  
CONTROL ARM LEVER TO SAFE  
POSITION *BEFORE* REMOVING  
SHOCK TUBE**

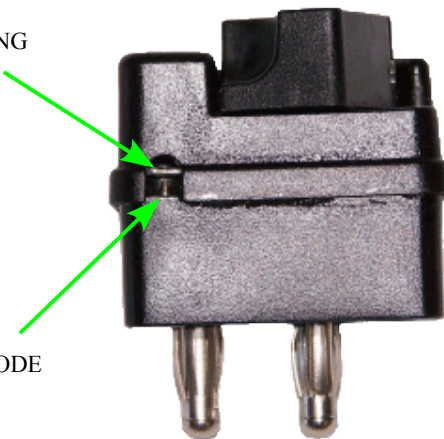
**CALIBRATION PROCEDURE:**

1. MOVE CONTROL HANDLE TO SAFE POSITION.
2. BACK OFF ADJUSTMENT SCREW 3 OR 4 TURNS.
3. MOVE CONTROL HANDLE TO FIRE POSITION.
4. INSPECT THE POSITION OF THE CROSS-PIERCING ELECTRODE. WHEN LOOKING FROM THE SIDE, THE CROSS-PIERCING ELECTRODE SHOULD BE STRAIGHT AND NOT HAVE AN UP OR DOWN TILT. WHEN LOOKING FROM THE TOP, IT SHOULD PASS DIRECTLY OVER THE CENTER ELECTRODE.
5. SCREW CENTER ELECTRODE IN UNTIL IT TOUCHES CROSS-PIERCING ELECTRODE. *TIP: AN OHM METER CONNECTED TO BANANA PLUGS CAN BE USED TO DETECT ELECTRODE CONTACT.*
6. BACK OFF 1/3 - 1/2 TURN COUNTER- CLOCKWISE.
7. TEST UNIT.
8. BACK OFF CENTER ELECTRODE AS NECESSARY TO PREVENT PREMATURE ARCING.



CENTER ELECTRODE  
ADJUSTMENT SCREW

CROSS-PIERCING  
ELECTRODE



CENTER ELECTRODE