



# The Lead Sled *DF*

*Dual Frame Technology* <sup>TM</sup>



## Assembly and Use Instructions

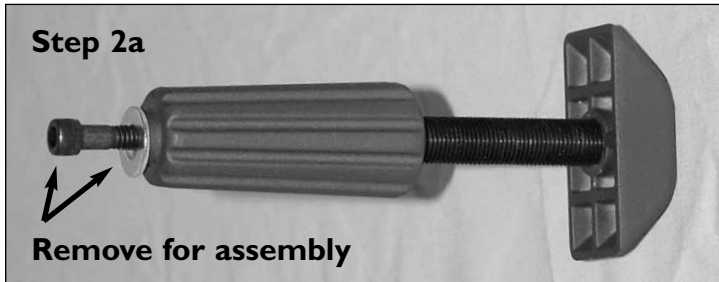
**Thank you for purchasing Caldwell's Lead Sled DFT shooting rest. The rest combines the recoil reduction features of the original Lead Sled with a sliding windage-adjustable cradle to perfectly position your rifle or shotgun every shot. We hope you enjoy it!**

**Step 1: Please take a moment to locate all of the parts shown in this photo.**

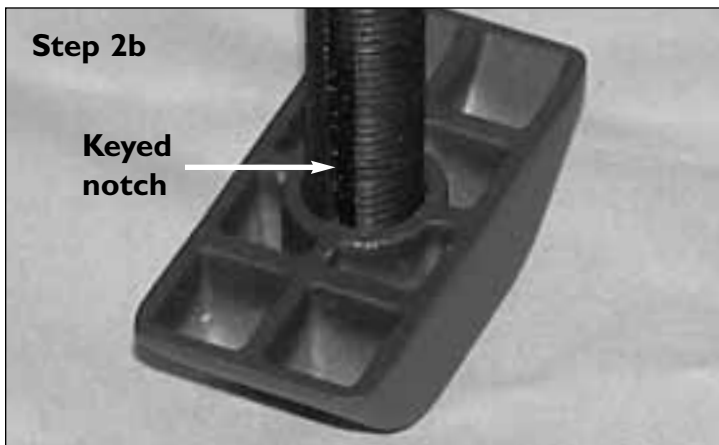


Instructions read top to bottom, left to right.

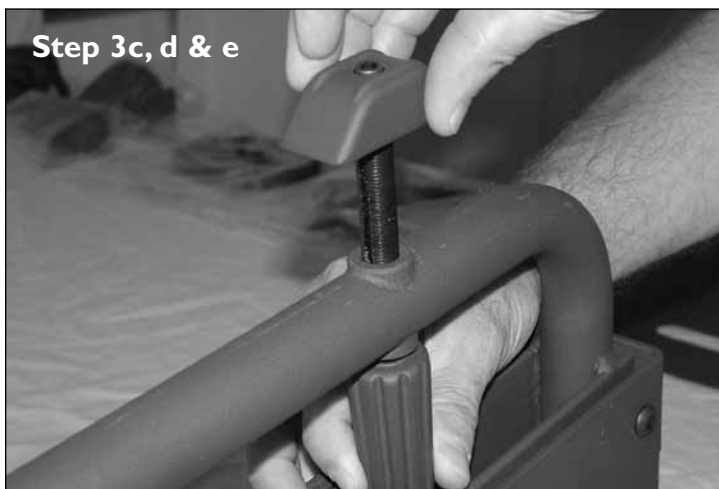
**Step 2: Assemble rear elevation height adjustment shaft.**



a. Your rear elevation adjustment shaft is shipped assembled. You will need to disassemble the assembly to assemble it into the Lead Sled DFT. Use the Allen wrench provided in the Tray Sub Assembly pack.

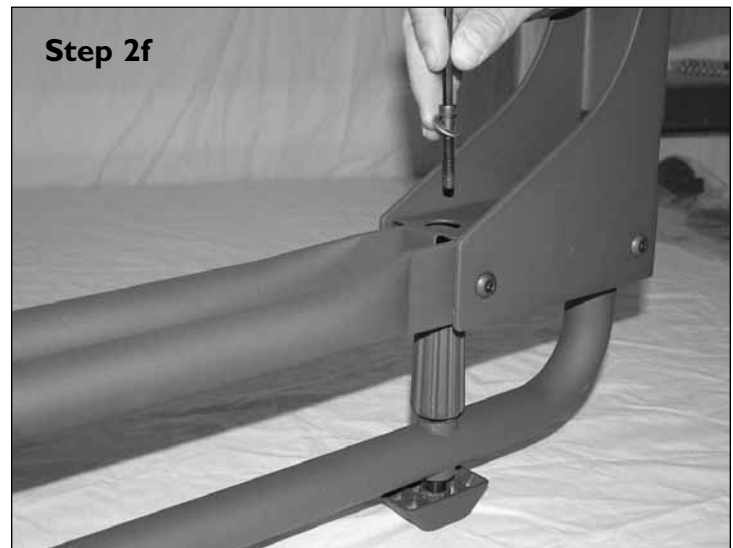


b. The threaded rod shown above has a keyed notch that is keyed to an index pin inside the lower frame tube. Be sure that the slot in the front of the threaded rod faces forward towards the front of the rest, and that the slot engages the index pin.



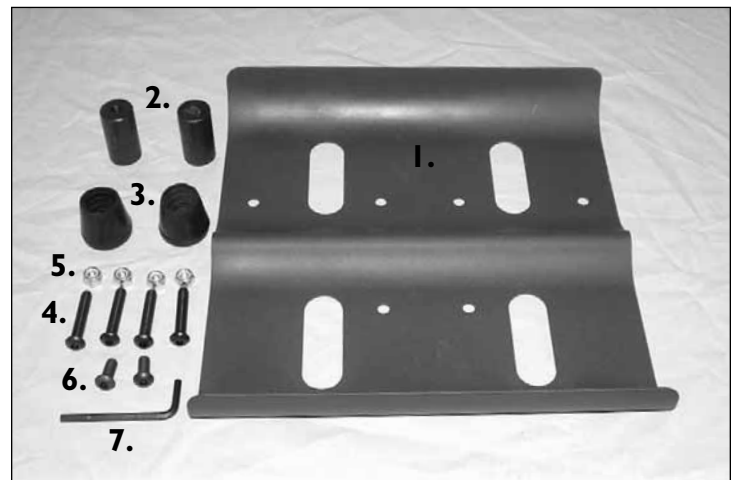
c. Place the main threaded shaft assembly inside the DFT frame as shown  
d. Slide the threaded portion of the assembly through the hole in the bottom of the frame while turning the thumbwheel to thread the assembly into place.

e. Turn the shaft in a counter clockwise direction to advance the threaded rod in the shaft.



f. Once you have completely threaded the rod into the shaft turn the DFT over. Using the socket head cap screw that you removed during disassembly in step 2a, thread the screw and washer through the hole in the top of the recoil rail brace assembly into the top of the shaft. You may have to hold onto the shaft with your hands to finish this assembly. The screw should bottom out and provide up / down play in the final assembly

**Step 3: Assembling the Tray & Front Foot Assembly**  
**Contents for assembling Tray & Foot assembly**



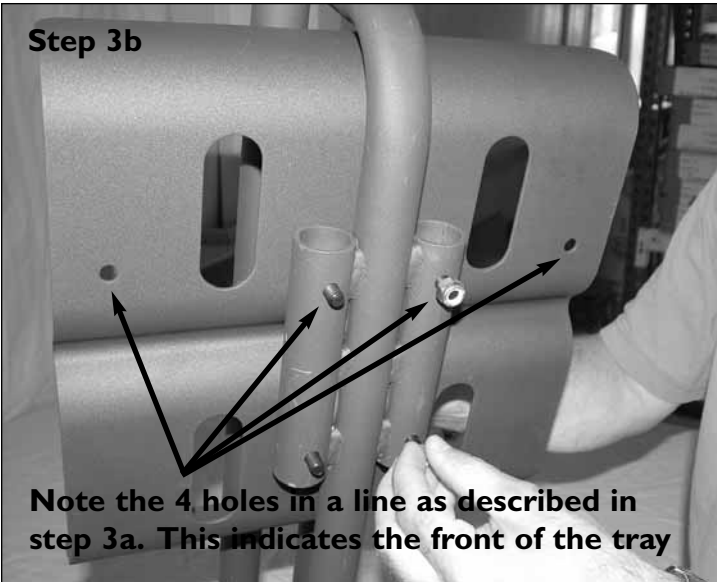
1. (1) Tray
2. (2) Steel feet
3. (2) Rubber boots for the feet
4. (4) Long button head socket cap screws
5. (4) Nylon lock nuts
6. (2) Short button head socket cap screws
7. (1) Allen key wrench

### Step 3a



a. Position the shot tray inside the tray so that the four holes in a line are toward the front of the rest. Slide the four long button head socket cap screws through the holes in the tray and matching holes in the frame as shown.

### Step 3b



Note the 4 holes in a line as described in step 3a. This indicates the front of the tray

b. Thread supplied nuts onto the bottom of the screws as shown. You will need a 1/2 inch wrench (not included) to tighten the nuts. You will also need to use the supplied Allen wrench.

### Step 3c

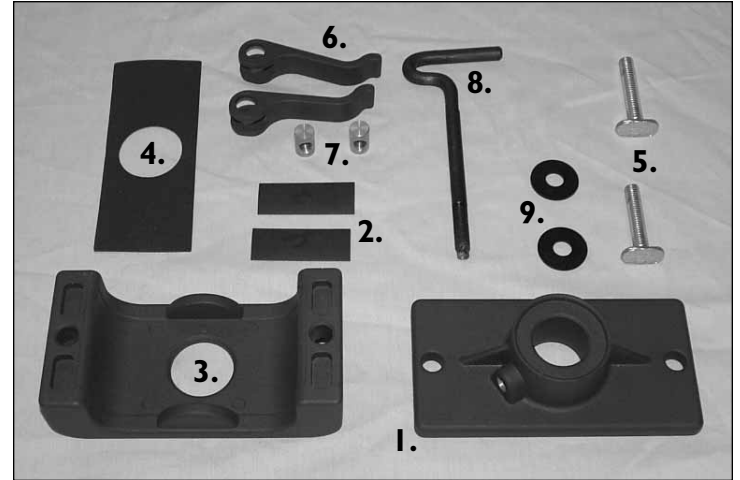


4.

c. The Lead Sled DFT is supplied with two steel feet and two rubber foot covers. Install foot covers and feet to the tray with supplied screws with Allen wrench as shown.

### Step 4: Sliding Cradle Assembly

#### Contents for assembling Sliding Cradle assembly

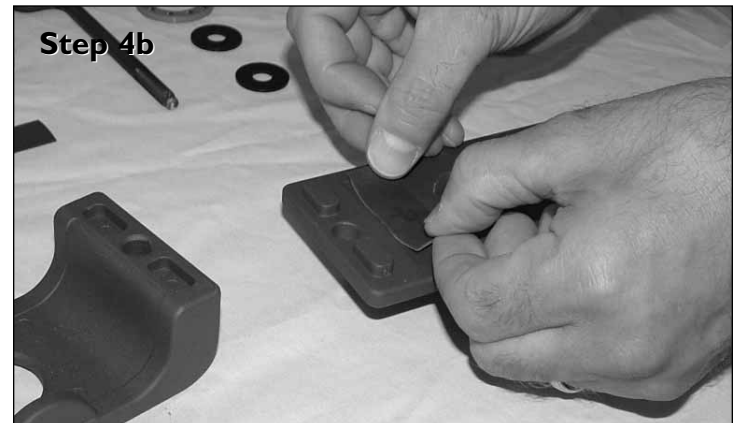


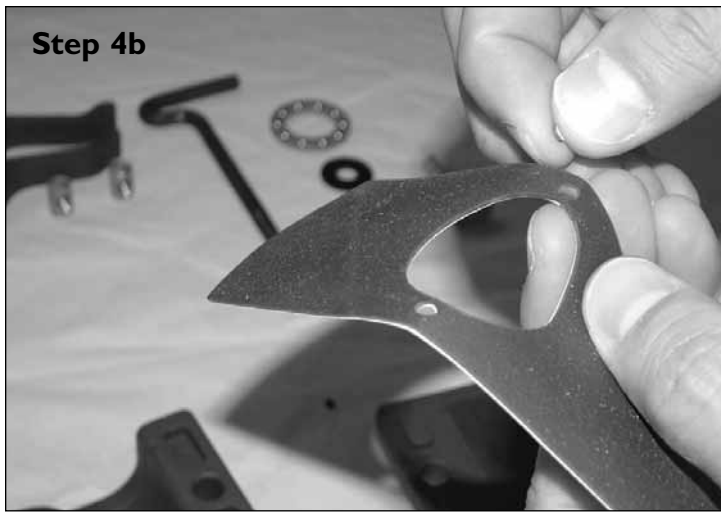
1. (1) Upper slide plate
2. (2) Upper rubber strips
3. (1) Lower slide plate
4. (1) Lower rubber strip
5. (2) T-bolts
6. (2) Cam levers
7. (2) Cam lever nuts
8. (1) "T" handle ram lock
9. (2) Nylon cam washers

a. The sliding cradle moves back and forth along the dual frames which gives the user the ability to place the front bag at any desired spot along the length of the dual upper frames.

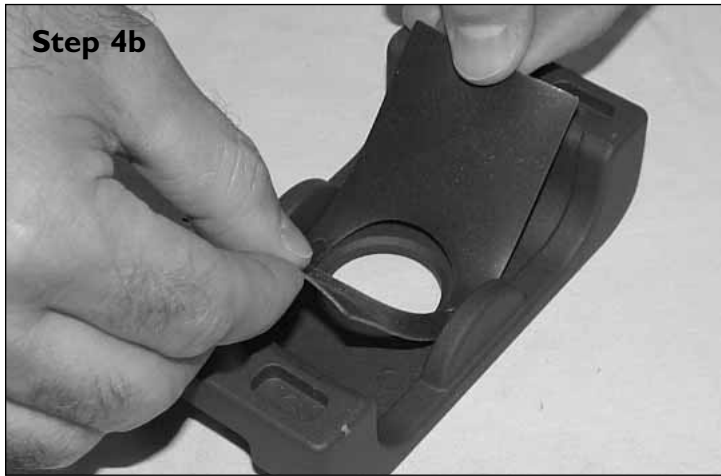
b. Install adhesive backed rubber strips onto upper and lower slide plate. Make special note to punch out the two small holes on the lower strip. These holes serve as indicators and will help you to get the strip on straight.

### Step 4b

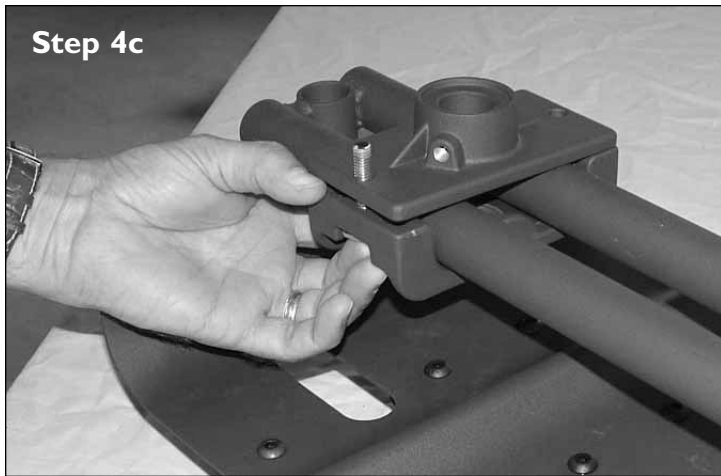




Step 4b



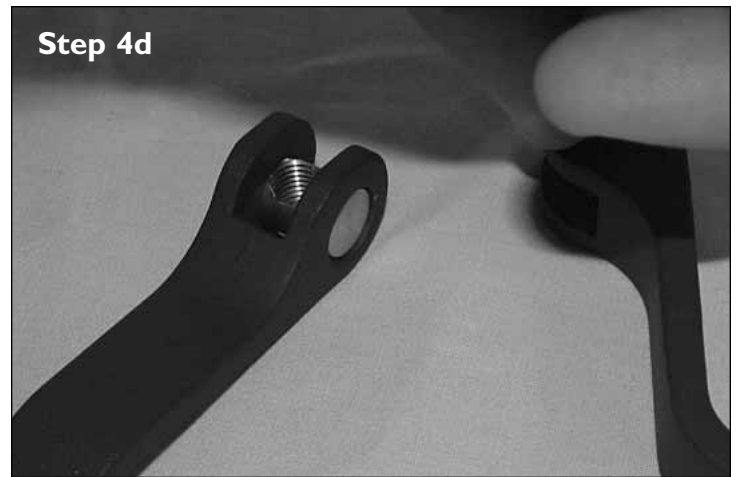
Step 4b



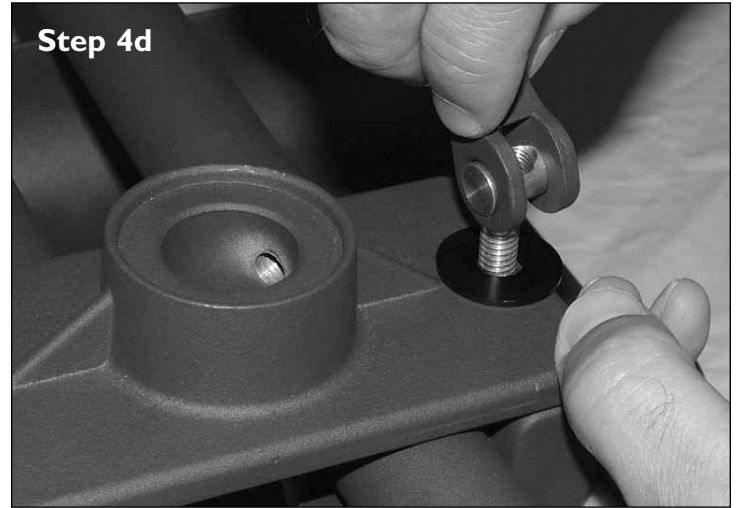
Step 4c

c. Slide t-bolt through one side of the cradle assembly and lower top portion of slide cradle onto t-bolt. Note that the threaded hole is designed to face left, as the shooter looks down-range.

d. Install the nylon cam washer. Slip the threaded cam bushing through the cam lever, and thread the cam bushing and the cam lever onto the t-bolt as shown.



Step 4d

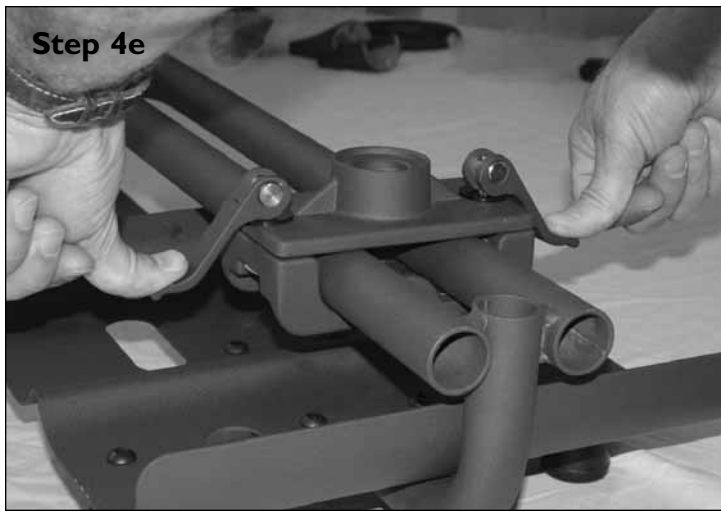


Step 4d



Step 4e

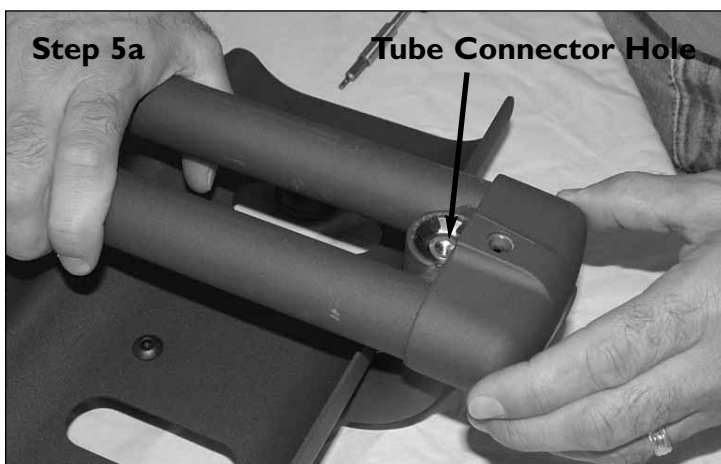
e. The cradle does not need to be clamped down to the sliding tubes with significant force. With less than a minute of experimentation, you will be able to find a level of tightness that prohibits motion along the tubes, but also allow the cam levers to locate towards the outside of the sliding cradle assembly. Find this position by raising the two cam levers, turning them one full revolution at a time, lowering them and checking for position and tension. *Another photo is located on the next page. This photo illustrates how you lock down the sliding cradle assembly.*



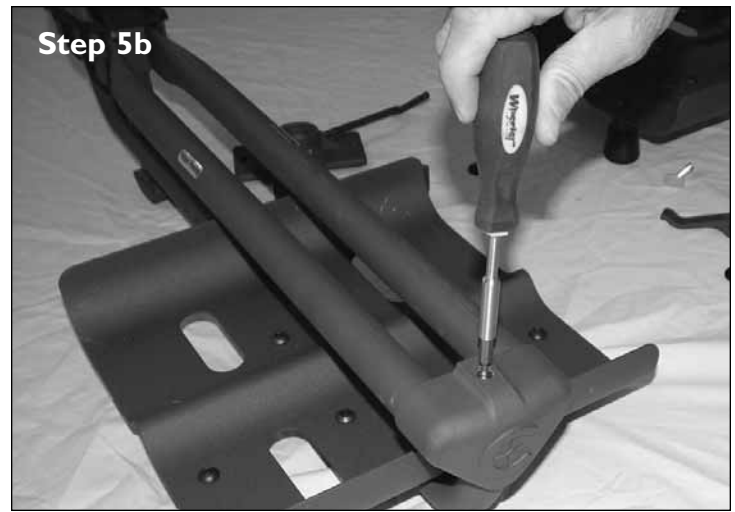
**Step 5: Logo badge assembly.**  
**Contents for Logo Badge assembly**



- (1) Logo badge cover
- (1) Screw



**a.** Press the logo badge assembly onto the end of the tubes as shown. Tap gently into place. After tapping, check to see if the hole in the logo badge is aligned with the hole in the tube connector. You may have to tap more to insure seating.



**b.** The logo badge assembly uses a screw to attach to a tube connector in the frame. Use Wheeler screwdriver bit 159-930. Insert screw into top of logo badge through tube connector and tighten until seated.

**Step 6: Attach Cradle ears and bag**  
**Contents for assembling Sliding Cradle assembly**



- (1) Cradle assembly
- (1) Elevation adjustment wheel
- (1) Bearing
- (1) Windage knob
- (2) Cradle ears
- (2) Screws
- (2) Square nuts
- (1) Filled front shooting bag (not pictured, but included)

**a.** Slide a square nut into the slot in the upper windage cradle. Carefully position the ear and hold as shown using Wheeler Screw Driver bit #159-930 thread the screw into the nut.



**Step 6a**



**Step 6b**



**Step 6b**

**b.** Attach the bag. Thread the hook and loop tabs on the underside of the bag through the slots in the upper and lower windage cradles. Turn the cradle over and insert the other two pieces.

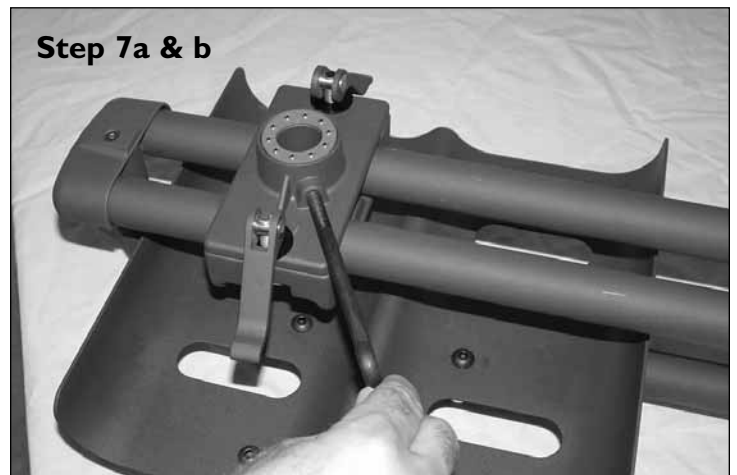


**Step 6c**

**c.** Now turn the cradle upside down and draw all hook and loop pieces together. You may at this time trim excess hook and loop if desired.

**d.** Your Caldwell Lead Sled DFT has tension-adjustable ears that allow you to shape the bag into the forend by tightening and loosening the screw that allows you to move the ears. This may be necessary when using multiple rifles that have multiple forend widths. In addition, the Lead Sled DFT will use other common universal front bags.

## **Step 7: Assembling the Windage Cradle**



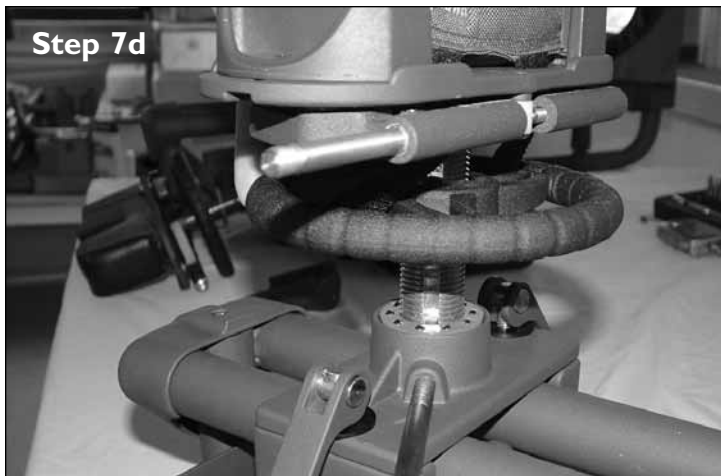
**Step 7a & b**

### **Step 7: Assembling the Windage Cradle**

- a.** Install thrust bearing as shown.
- b.** Install elevation ram lock as shown.



c. Thread elevation wheel onto shaft as shown.



d. Note the notched keyway in the side of the ram and align the notched keyway with the elevation lock. Tighten ram lock when your cradle is at the desired height.

8.



e. Spin the windage adjustment knob onto the windage adjustment shaft as shown and hand-tighten.



**Step 8:** Installation of Slip Cover  
a. The rear bag slides onto the rear recoil cradle as shown. Tighten hook and loop straps along the bottom of the recoil brace.



## Operating the Lead Sled DFT



### Step 9: Operation

a. To raise or lower the rear of the rest turn the rear elevation adjustment shaft as shown.



b. To slide the cradle back and forth along the dual frames lift cam levers, pull back on elevation wheel and slide cradle while lightly lifting up on the wheel as shown.



c. To adjust windage, turn the windage knob clockwise and counter-clockwise. The cradle will pivot around a single point moving your point of aim down range.



d. To change the height of the cradle open the ram lock, turn the elevation wheel until the desired height is reached.



Positioning shot bags on the Lead Sled DFT. Your DFT is configured to work with 0, 1, 2, 3 or 4 bags of lead shot. The DFT tray will hold two bags while two more bags may straddle the two upper tubes as shown. You may also slide the the cradle back 4 to 6 inches and place one bag in front and one in back of the cradle.



A **Battenfeld**™ Product  
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**Instruction #854-126**

#### **Limited Warranty**

Every Caldwell product is warranted to be free of defects in materials and workmanship for a period of one (1) year from the date of original purchase. Caldwell will, at its option, repair or replace without charge, except for transportation costs, parts that fail under normal use and service when operated and maintained in accordance with our Instructions. This warranty does not apply to normal wear or to items whose life is dependent upon their use and care. This warranty is in lieu of all other warranties, expressed or implied and releases Caldwell, its affiliates, and its vendors from all other obligations and liabilities.