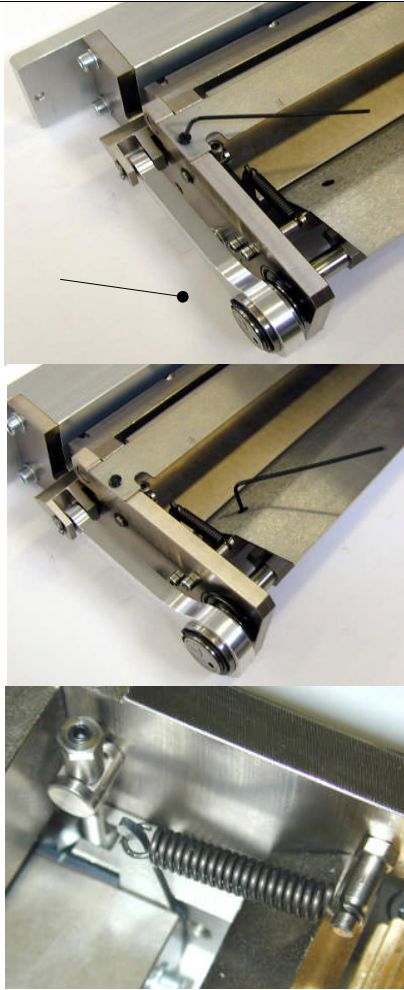


**TC1010**

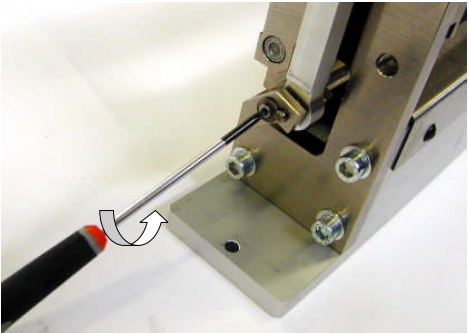
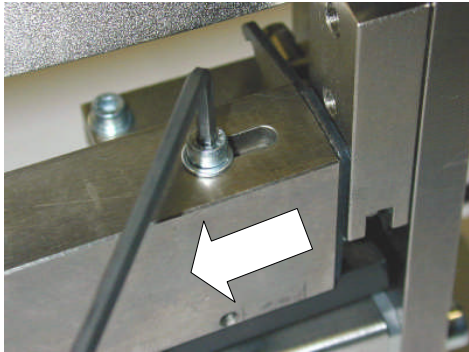
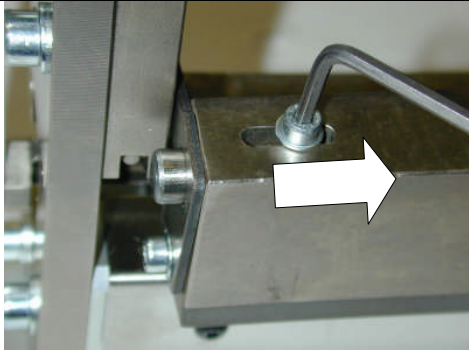
**CROSS CUT BLADE ASSY**



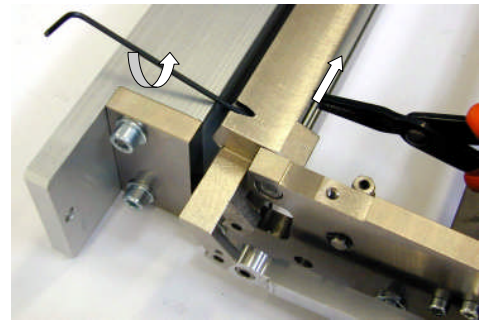
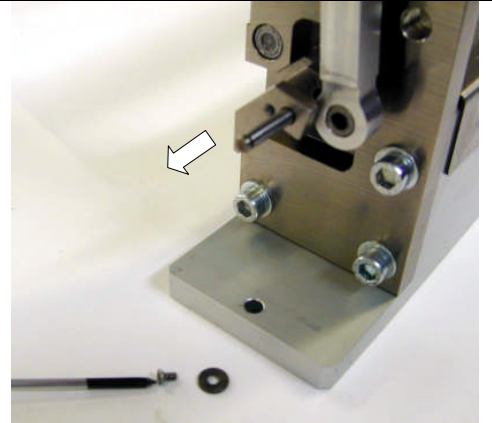
**CARTRIDGE DISASSEMBLY & ASSEMBLY**

<p><b>1)</b> Remove the two plates indicated in the picture</p>          <p><b>2)</b> Remove the two springs</p>	
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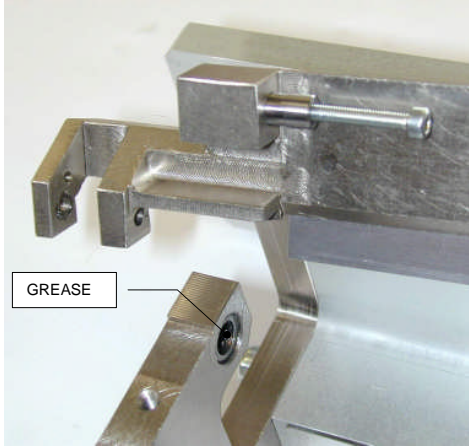
**3)**  
Unlock screws and remove lower counter blade with blade holder



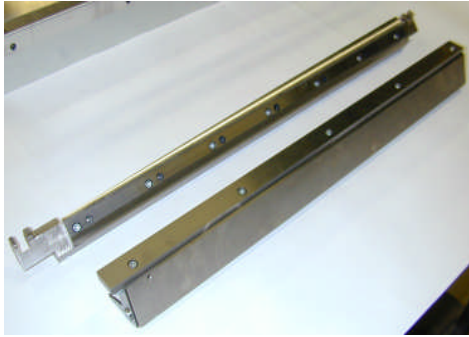
- 4)  
Take out the pins from the  
oscillating blade



**5)**  
Remove oscillating blade



**6)**  
Replace counter blade and oscillating blade with a resharpened one



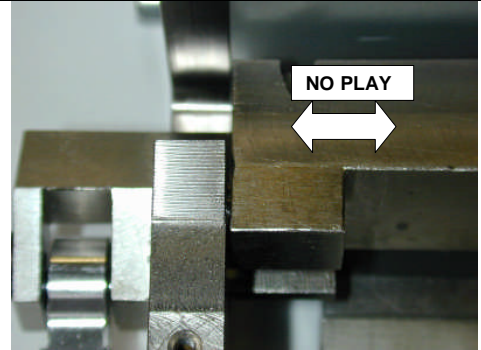
*note*

The old blades **must** be removed complete with blade holders, they can then be re-ground as an assembly.

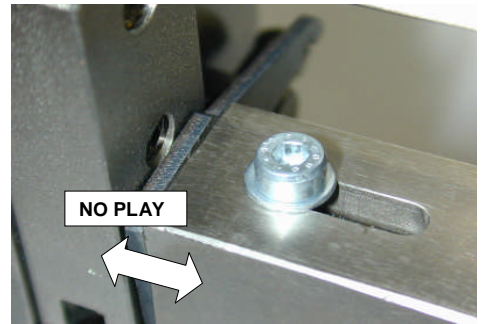
Similarly, replacement blades **must** be complete with blade holders.

Minimum diameter of re-sharpened oscillating blade is 59 mm.

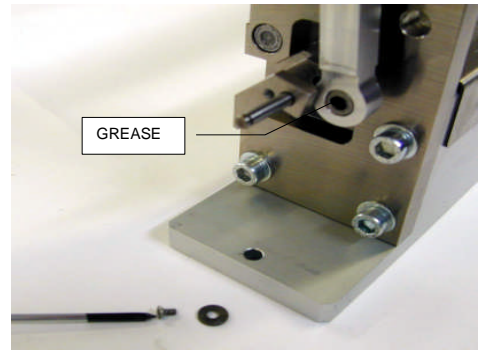
**7)**  
 Replace the new oscillating blade, same gap on left and right side and without horizontal play (*be sure pins are completely set into bearing case*)



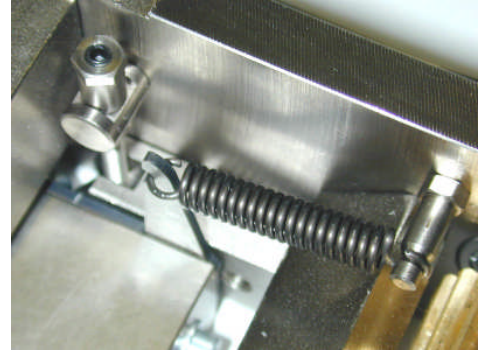
**8)**  
 Replace the new counter blade, same gap on left and right side and no horizontal play (*be sure pins are completely set into bearing case*)



**9)**  
 Replace the two pins and special hardened steel washer to oscillating blade

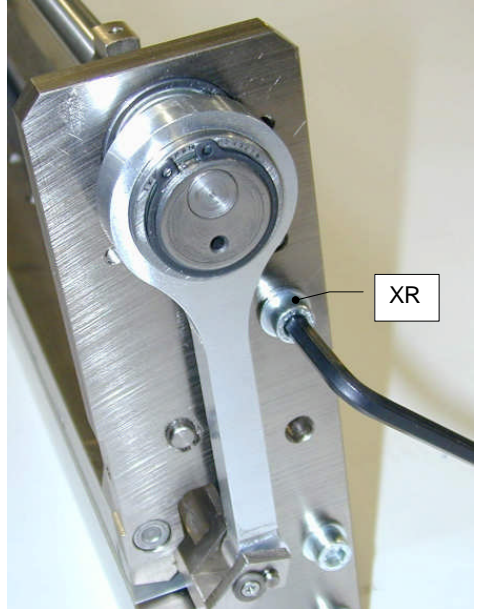
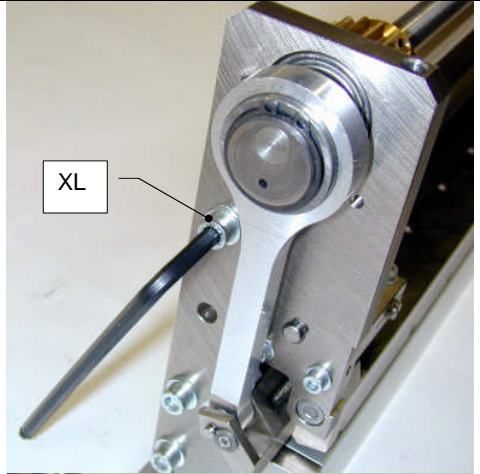


**10)**  
Position the springs as  
before – **do not use any  
other springs** –  
*only specified spring*



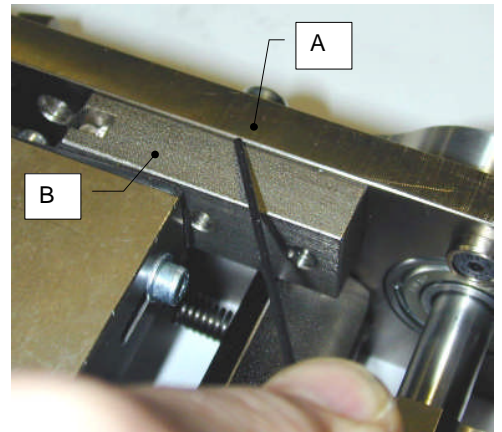
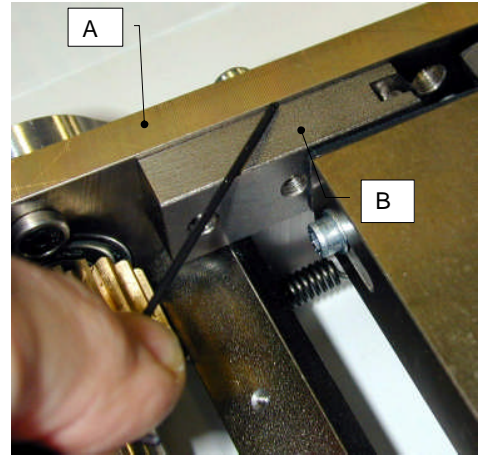
**BLADES SETTING**

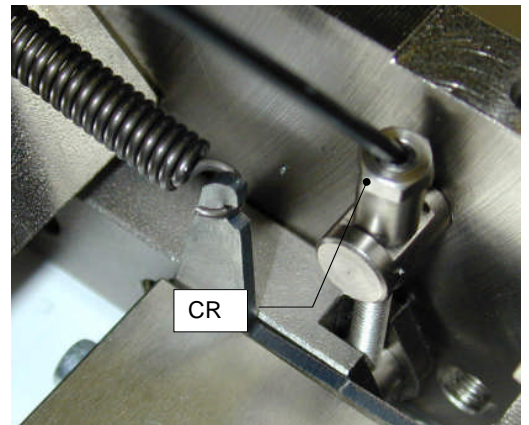
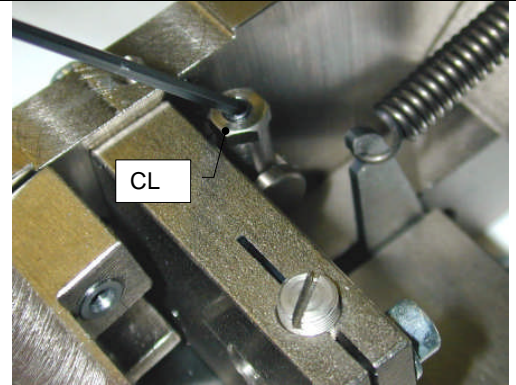
**11)**  
Unscrew for  $\frac{1}{4}$  of revolution  
the screws (left and right)  
indicated



12)  
Set parallel block B with A on  
the left and right side turning  
screws CL and CR

*See next page*





\* note :

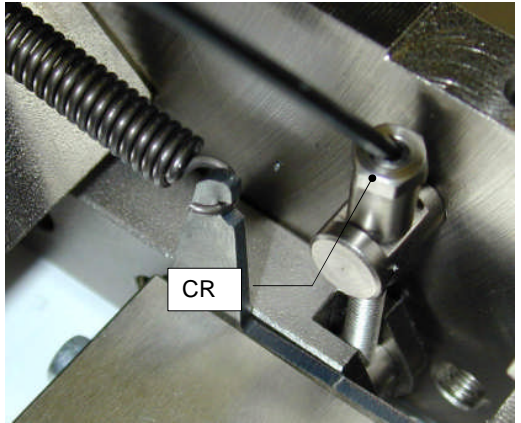
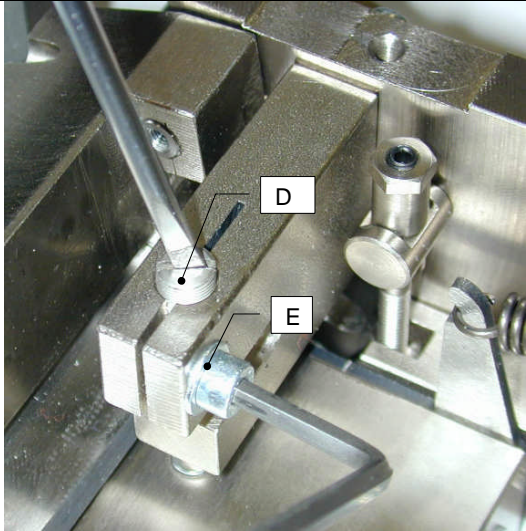
**DO NOT ATTEMP**  
to adjust CR or CL  
without first loosening  
XR & XL  
(see point 11)

**13)**  
 Unlock screw D by  
 unscrewing screw E, turn  
 clockwise D for 2-3 turns

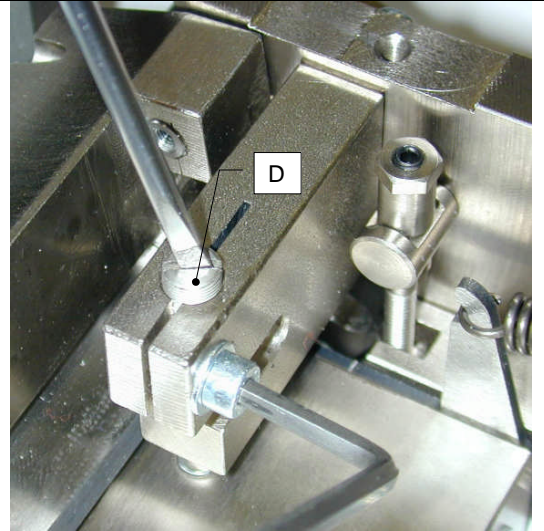
**14)**  
 Set oscillating blade on the  
 lower position \*

**15)**  
 Turn counterclockwise screw  
 CR for only 2 turns  
 (on CR, opposite gear)

*note*  
 \* place cartridge flat with  
 gear on your left & away from  
 you



- 16)**  
Turn counterclockwise D until  
the left edge of oscillating  
blade and counter blade are  
in light contact



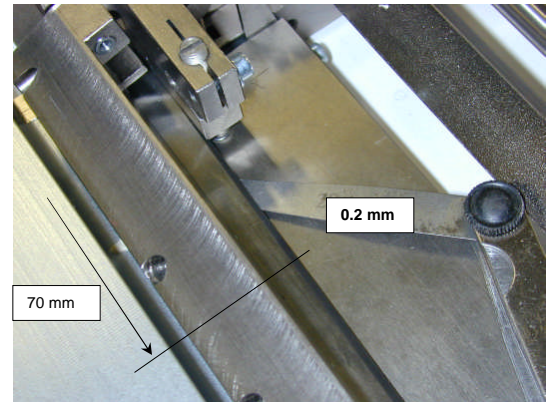
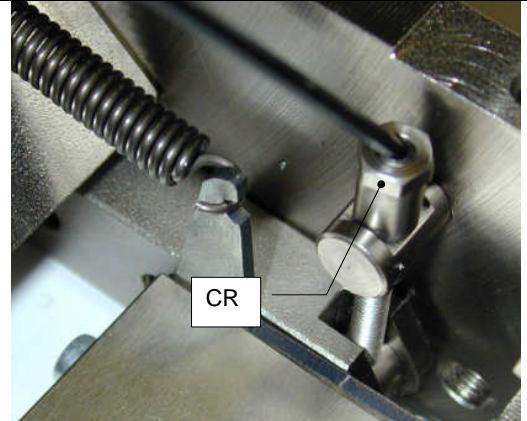
**17)**  
 Turn clockwise CR \* until a gap of 0.2 mm \*\* is entering between the two blades on the left side for max 70 mm from left edge

0.2 mm = 0.008 inches  
 70 mm = Appr. 3"

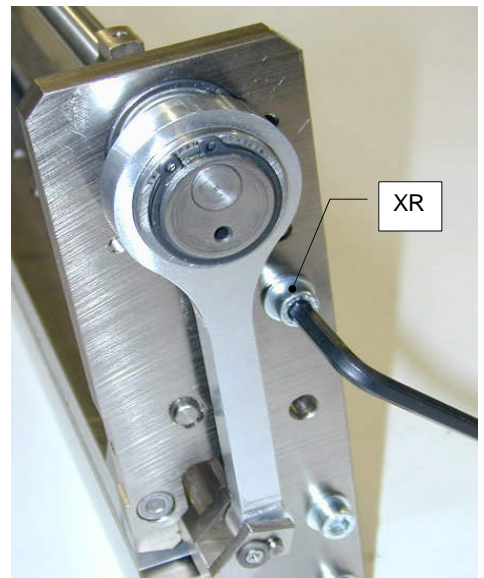
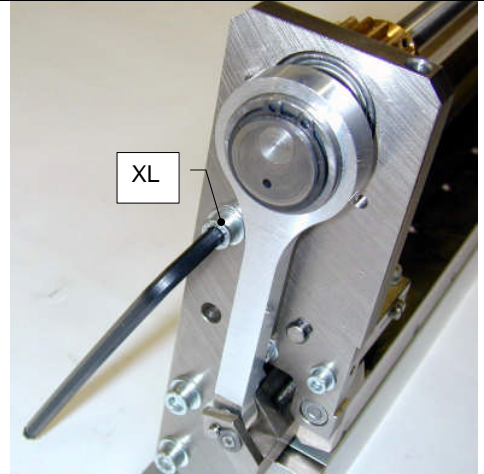
*notes*

\* **DO NOT ATTEMPT**  
 to adjust CR  
 without first looking XR

\*\* Gap could be from 0.2 up to 0.3 mm max



**18)**  
Lock screws XL and XR



**19)**  
 Move manually the oscillating blade for checking if left edge is free to go down to the counter blade  
*(place cartridge upside down with gear on your left)*

**20)**  
 Then, readjust screw D and try to cut manually some paper starting from left side.

Screw D adjusted correctly when :

- the paper is well cut from the left edge to the right
- the oscillating blade in going down against counter blade softly

**21)**  
 Lock screw E and place back the two plates on item 1

