

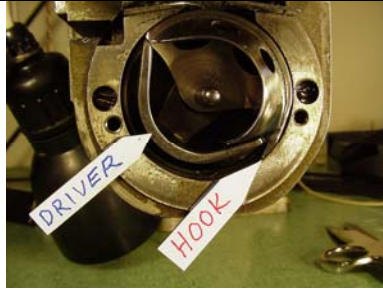


# OSCILLATING HOOK - TIMING

By Wayne Snyder, USAPR Instructor

One rotation of the top shaft (hand wheel)  
= one cycle of need = one cycle of lower  
mechanism (driver yoke).

In 31-15 Singers the timing is not  
adjustable. (The timing is built in)



Oscillating hook

The timing is still a 3/32 inch needle rise from B.D.C. - point of hook 1/116 to 1/8 inch above top of eye of the needle.

Needle bar all the way down – mark for  
3/32 inch needle rise.



B.D.C. mark needle bar 3/32

Hand wheel forward to bring the needle bar  
up to 3/32 mark



Needle bar up 3/32

On a bar-tack there are two screws to  
change the rotation of the hook

To move the hook closer or farther away  
from the needle, add or remove shims.



Adjuster screw



Adjuster screw



Adjuster screw- enlarged