

NUMBER <b>SK A-3631</b>		REMINGTON ARMS CO. INC. RESEARCH & DEV. DEPT.	
SCALE		SUPERSEDES-REFERENCE	
TITLE <b>SPRING, TRIGGER RETURN</b>			
DES. BY DATE S.A.F. 9-15-80	DRAW. BY DATE S.A.F. 9-15-80	CHK. BY DATE	APP. BY DATE
FOR DETAILS, SEE PROCESS RECORD			
MODEL 700 Abl BDL	PART USE	QUAN.	SEE

RECOMMENDED MATL. & HEAT TREAT  
 Material .. MUSIC WIRE ..  
 Heat Treat .. STRESS RELIEVE ..  
 Approval (By Date) ..

## INSPECTION

1. To work freely in .118 dia. hole
2. To work freely on .060 dia. pin
3. Load 125 to 155 lb. at .465 length (with set removed)
4. Solid Height .316 max.
5. Free Length .490 min.
6. Ends SQUARED AND GROUND
7. Wind R H
8. Remove set (Yes
- (No [except for inspection])

## MANUFACTURE

9. Wire dia. .024
10. Outside dia. .115
11. Free Length .495 (with set removed)
12. Coils 11.0 Active 13.0 Total

## DESIGN DATA

13. Rate 57.5 lb./in.
14. Solid Stress 246,000 lb./sq. in.
15. Solid Load 10.25 lb.
16. Spring Index 3.79
17. Torsional Mod.  $G = 11.5 \times 10^6$  lb./sq. in.
18. Concentric Corr. 1.431

This Spring must meet the requirements in the "Inspection" section.  
 Figures given in the "Manufacture" section indicate the preferred Spring, but  
 the Manufacturer may deviate from these at his own discretion.  
 Figures in the "Design Data" section are based on those in the "Manufacture"  
 section.

ALT.	WAS	REFERENCE	BY	DATE
ALTERATIONS				

TFA-3 REV. 2

N.M.S. 19 1153-