

SK A-3790

NUMBER SK A-3790		REMINGTON ARMS CO. INC. RESEARCH & DEV. DEPT.	
SCALE	SUPERSEDES-REFERENCE		
TITLE SPRING, COMPRESSION (FINAL)			
DES. BY DATE	DRN. BY DATE	CHK. BY DATE	APP. BY DATE
FOR DETAILS, SEE PROCESS RECORD			
MODEL	PART USE	QUAN.	SEE
NRAR	TRIG. PLUNGER SPRING		

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

INSPECTION

- To work freely in .125 dia. hole
- To work freely on --- dia. pin
- Load 2.64 to 3.04 lb. at .232 length (with set removed)
- Solid Height .446 max. 7. Wind OPT H
- Free Length .845 min. 8. Remove set (Yes
- Ends SQUARED & GROUND (No [except for inspection])

MANUFACTURE

- Wire dia. .022
- Free Length .875 (with set removed)
- Outside dia. .120
- Coils 18 Active 20 Total

DESIGN DATA

- Rate 19.88 lb./in.
- Spring Index 4.45
- Solid Stress 279,617 lb./sq. in.
- Torsional Mod. $G = \frac{11.5 \times 10^6}{1.36}$ lb./sq. in.
- Solid Load 8.65 lb.
- Concentric Corr. 1.36

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				

HRS 10 853-