

NUMBER SK-A-3626		REMINGTON ARMS CO. INC. RESEARCH & DEV. DEPT.	
SCALE		SUPERSEDES-REFERENCE	
TITLE SPRING, COMPRESSION #2			
DES. BY DATE S. PINELLI	DRN. BY DATE F. MARTIN	CHK. BY DATE	APP. BY DATE
FOR DETAILS, SEE PROCESS RECORD			
MODEL M-100	PART USE BOIT LOCK DET. SPR	QUAN.	SEE

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

INSPECTION

1. To work freely in .081 dia. hole
2. To work freely on .046 dia. pin
3. Load 1.1 to 1.4 lb. at .220 length (with set removed)
4. Solid Height .080 max.
5. Free Length .245 min.
6. Ends PLAIN NOT GROUND (No [except for inspection])
7. Wind 0 pr. H
8. Remove set (~~Yes~~)

MANUFACTURE

9. Wire dia. .013
10. Outside dia. .077
11. Free Length .260 (with set removed)
12. Coils 5 Active 5 Total

DESIGN DATA

13. Rate 31.33 lb./in.
14. Solid Stress 556,500 lb./sq. in.
15. Solid Load 5.7 lb.
16. Spring Index 4.92
17. Torsional Mod. $G = \frac{11.5}{\text{lb./sq. in.}} \times 10^6$
18. Concentric Corr. 1.316

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.W.S. 10 1153-