

NUMBER (16) A-17058		REMINGTON ARMS CO. INC. RESEARCH & DEV. DEPT.	
SCALE		SUPERSEDES A17058	
TITLE SPRING, HELICAL COMPRESSION			
DES. BY DATE JW 4/4/73	DRN. BY DATE	CHK. BY DATE JW 10/5/73	APP BY DATE
FOR DETAILS, SEE PROCESS RECORD			
MODEL	PART USE	QUAN.	SEE
700	SHORT ACTION MAIN SPRING		
40XB-CF	SHORT ACTION MAIN SPRING		

RECOMMENDED MATL. & HEAT TREAT
Material **MUSIC WIRE ASTM A228**
Heat Treat **STRESS RELIEVE**
Approval (By Date)

REMINGTON/
Speedlock

(21) A. 0.8"
B 28. #
C 20 #
F 8 #
D 3.1 #
E

G 2.856" } FIXED
H 2.540" }

INSPECTION

- (19) 1. To work freely in .420 dia. hole AT WORKING LENGTH
2. To work freely on .283 dia. pin AT WORKING LENGTH
3. Load 20.8 to 23.187 lb. at 2.646 length (with set removed)
(20) 4. Solid Height 2.142 max. 7. Wind R H
5. Free Length 4.907 min. 8. Remove set ☒
6. Ends **SQUARED & GROUND** (No [except for inspection])

MANUFACTURE, 0555

9. Wire dia. .055 11. Free Length 5.163 (with set removed)
10. Outside dia. .399 12. Coils 36.6 Active 38.6 Total
.399 36.

DESIGN DATA

13. Rate 9.206 lb./in. 16. Spring Index 6.25
14. Solid Stress 83136 lb./sq. in. MAX 17. Torsional Mod. $G = 11.5 \times 10^6$ lb./sq. in.
15. Solid Load 27.988 lb. MAX. 18. Concentric Corr. 1.241

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.

21	ADD USE 40XB-CF	DCR 10598	By	11/78
20	2.165	DCR 09792	JW	5/16/74
19	ADDED	DCR 09792	JW	5/16/74
18	REVISE & REDRAWN	DCR 09591	JW	10/5/73
ALT	WAS	REFERENCE	BY	DATE

TFA-3 REV 2

ALTERATIONS

A17058