

NUMBER A-17058		REMINGTON ARMS CO. INC. RESEARCH & DEV. DEPT.	
SCALE	SUPERSEDES REFERENCE A17058		
TITLE SPRING, HELICAL COMPRESSION			
DES. BY DATE JWB 4/4/73	DRN. BY DATE	CHK. BY DATE JWB 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)

THIS DRAWING OR INFORMATION IS
PROPRIETARY INFORMATION TO THE
REMINGTON ARMS COMPANY, INC.

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 20.812 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 NO
6. Ends SQUARED & GROUND (No [except for inspection])

MANUFACTURE

9. Wire dia. .055 11. Free Length 5.165 (with set removed)
10. Outside dia. .399 12. Coils 36.6 Active 38.6 Total

DESIGN DATA

13. Rate 9.206 lb./in. 16. Spring Index 6.25
14. Solid Stress 183136 lb./sq. in. MAX 17. Torsional Mod. $G = 11.5 \times 10^6$
15. Solid Load 27.988 lb. MAX. lb./sq. in.
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 10588	E ₄	11/78
20	2.165	DCR 09792	JWB	5/16/74
19	ADDED	DCR 09792	JWB	5/16/74
18	REVISE & REDRAWN	DCR 09591	JWB	10/5/73
ALT.	WAS	REFERENCE	BY	DATE
TFA-3 REV 2 ALTERATIONS				

A17058