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

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.

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|      |                  |           |     |         |
|------|------------------|-----------|-----|---------|
| 21   | ADD USE 40XB-CF  | DCR 10588 | E4  | 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