

8K-A-3552

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| NUMBER A-3552 | | REMINGTON ARMS CO. INC. RESEARCH & DEV. DEPT. | |
| SCALE | | SUPERSEDES-REFERENCE | |
| TITLE SPRING, | | | |
| DES. BY DATE | DRN. BY DATE F. MARKIN | CHK. BY DATE | APP. BY DATE |
| FOR DETAILS, SEE PROCESS RECORD | | | |
| MODEL | PART USE | QUAN. | SEE |
| M-100 | BOLT LOCK DETENT SPR | | |

RECOMMENDED MATL. & HEAT TREAT
 Material VIL SIL II IRE
 Heat Treat
 Approval (By Date)

INSPECTION

- To work freely in .081 dia. hole
- To work freely on .046 dia. pin
- Load 6 to 7 lb. at .220 length (with set removed)
- Solid Height .080 max. 7. Wind Opp. H
- Free Length .225 min. 8. Remove set (Yes)
- Ends PLAIN NOT GROUND (No [except for inspection])

MANUFACTURE

- Wire dia. .013
- Free Length .240 (with set removed)
- Outside dia. .077
- Coils 5 Active 5 Total

DESIGN DATA

- Rate 31.32 lb./in.
- Spring Index 4.92
- Solid Stress 495,000 lb./sq. in.
- Torsional Mod. $G = \frac{11.5 \times 10^6}{\text{lb./sq. in.}}$
- Solid Load 5.1 lb.
- 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.

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| ALT. | WAS | REFERENCE | BY | DATE |
| ALTERATIONS | | | | |

TFA-3 REV 2