

NUMBER A-15400	REMINGTON ARMS CO. INC. RESEARCH & DEV. DEPT. SCALE: 1 OVERSCOTS REFERENCE A-17978
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TITLE

SPRING

DES. BY DATE	DRN. BY DATE	CHK. BY DATE	APP. BY DATE
	10-11-61	RJS 10-11-61	7-11-61

FOR DETAILS, SEE PROCESS RECORD

MODEL	PART USE	QUAN.	SEE
700.302 70080L	TRIGGER SPRING 1	D-26315	
40XB IF	TRIGGER ADJUSTING SPRING 1	D-27565	
700YAR	TRIGGER SPRING 1	RL	

DO NOT SCALE THIS DRAWING: WORK TO FIGURES
UNLESS OTHERWISE NOTED. TOLERANCES
ON DECIMAL DIMENSIONS ARE $\pm .005$
& ON FRACTIONAL DIMENSIONS $\pm \frac{1}{64}$
& ON ANGULAR DIMENSIONS $\pm 00^{\circ}.30'$
FINISHES ARE DESIGNATED BY ROOT MEAN
SQUARE (R.M.S.) MICRO-INCH ROUGHNESS
VALUES AND ARE THE MAXIMUM ROUGH-
NESS ACCEPTABLE. UNLESS OTHERWISE
SPECIFIED, FINISH ROUGHNESS TO BE
125 OR BETTER.

RECOMMENDED MATERIAL AND HEAT TREAT

MATERIAL **MUSIC WIRE**HEAT TREAT **STRESS RELIEVE**

HARDNESS.....

COLOR.....

HEAT TREAT AND COLOR TO BE DONE BY REMINGTON

INSPECTION

- To work freely in .117 dia. hole
 - To work freely on .060 dia. pin
 - *Load 5.0 to 6.7 lb. at .177 length (with set remove)
 - Solid Height .150 max. 7. Wind L H
 - Free Length .200 min. 8. Remove set ^(Yes) (No (except for inspect
 - Ends GROUND
- * Approximate length limits to nearest 64th inch at constant load in lbs.
and nearest 1/4 oz. Load lbs. ozs. at to in. length

MANUFACTURE

- Wire dia. .027
- Outside dia. .114
- Free Length .203
- Coils 5 Active 5 1/2

DESIGN DATA

- Rate 225 lb./in.
- Solid Stress 202,000 lb/sq.in.
- Solid Load 11.9 lb.
- Spring Index 3.2
- Torsional Mod. G = 11.5 x 10⁶ lb/sq.in.
- WALL FACTURE
Concentric Cntr. 1.53

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.

7	40XB & 40XF	8173	UT	10-31-69
6	Added	8005	JK	6-17-69
5	40XB & 40XF	7110	DD	7-11-67
4	ADDED USE	6479	DD	3-15-66
3	400 USE 40Y-B	5129	PC	1-25-65
2	700	6445	CE	11-24-62
1	WITH SET REMOVED	4382	RJS	11/3/61
ALT.	WAS	REFERENCE	BY	DATE
TFA-3 REV. 1 ALTERATIONS				

A-15400