

NUMBER A-15400		REMINGTON ARMS CO. INC. RESEARCH & DEV. DEPT.		DO NOT SCALE THIS DRAWING: WORK TO FIGURES UNLESS OTHERWISE NOTED. TOLERANCES ON DECIMAL DIMENSIONS ARE $\pm .008$ & 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.	
		SCALE: 1" = 1" OVERSCOTS REFERENCE: A-17978			
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		
② 700-302 70080L	TRIGGER SPRING	1	D-26395		
⑤ 40XB IF	TRIGGER ADJUSTING SPRING 2 OF TRIGGER	1	D-27565		
④ 700YR	TRIGGER SPRING	1	RL		
⑥					

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

DESIGN DATA

- Rate 225 lb./in.
- Spring Index 3.2
- Solid Stress 202,000 lb/sq.in.
- Torsional Mod. G = 11.5 x 10⁶ lb/sq.in.
- Solid Load 11.9 lb.
- WALL FACTURE
- Concentric Cent. 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 & 40XCF	8173	JK	10-31-69
6	Added	8005	JK	6-17-69
5	40XB & 40XCF	7110	DD	7-11-67
4	ADDED USE	6479	DD	3-15-66
3	400 USE 40Y-B	5129	PC	1-24-65
2	700	6445	PC	1-24-62
1	WITH SET REMOVED	4382	RJS	11-3-61
ALT.	WAS	REFERENCE	BY	DATE
TFA-3 REV. 1 ALTERATIONS				

A-15400