

NUMBER A-1540	REMINGTON ARMS CO. INC. RESEARCH & DEV. DEPT. SCALE — SUPERSEDES REFERENCE A-17378
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TITLE SPRING			
DES. BY DATE 2-12-11-61	DRN. BY DATE 2-12-11-61	CHK. BY DATE 2-12-11-61	APP. BY DATE 2-12-11-61
FOR DETAILS, SEE PROCESS RECORD			

MODEL	PART USE	QUAN.	SEE
2 700-02	TRIGGER SPRING 1	D-26315	
3 700306			
4 700306	TRIGGER ADJUSTING SPRING 1	D-27563	
5 700306	2 OZ. TRIGGER		
6 700306	TRIGGER SPRING 1	P.L.	

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.

MUSIC WIRE
STRESS RELIEVE

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)
- Solid Height .150 max. 7. Wind 4 H
- Free Length .200 min. 8. Remove set (No (except for inspection)
- Ends GROUND
- Approximate length limits to nearest 64th inch. at constant load in 11 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

DESIGN DATA

- Rate 225 lb./in.
- Spring Index 3.2
- Solid Stress 202,000 lb/sq.in.
- Torsional Mod. 11.5 x 10⁶
- Solid Load 11.9 lb.
- Wahl Factor 1.5
- Curvature 1.5

This Spring must meet the requirements in the "Inspection" section. If given in the "Manufacture" section indicates the preferred Spring, but Manufacturer may deviate from these at his own discretion. Figures in "Design Data" section are based on those in the "Manufacture" section.

7	ACAB & LINE	8179	JM	10-3-64
6	Added	8005	JM	6-17-63
5	TRIG & 700306	7110	DD	7-19-61
4	ADDED USE	6479	DD	3-15-66
3	ADD USE 700-02	5129	JS	1-28-63
2	700	4445	EB	11-24-62
1	WITH 1/2 IN. HOLE	4382	JS	11-13-61
ALT.	WAS	REFERENCE	BY	DATE
ALTERATIONS				

YFA-3 REV. 1

A-1540