

NUMBER A-14045		REMINGTON ARMS CO. INC. RESEARCH & DEV DEPT	
SCALE 1:1	SUPERSEDES REFERENCE A-14045		
TITLE SPRING			
DES. BY DATE	URN BY DATE 12-17-68	CHK BY DATE	APP. BY DATE
FOR DETAILS SEE PROCESS RECORD			
MODEL	PART USE	QUAN.	SEE
788	TRIGGER SPRING	ALL CAL.	
580	"	"	
581	"	"	
582	"	"	
"	"	"	
591M	"	"	
592M	"	"	
540-X	"	"	
541-X	"	"	
581	"	"	
788	"	ALL CAL.	
541-X	"	"	
541-X	"	"	

⑨ 541-X SERVICE

9	ADD USE	8579	R-2	1-11-71
8	REVISED & REISSUED	7702	P-1	10/17/63
ALL	WAS	REFERENCE	BY	DATE

ALTERATIONS

RECOMMENDED MATL. & HEAT TREAT
 Material *MUSIC WIRE*
 Heat Treat *DIAPY 1150 V2*
 Approval (By Date)

INSPECTION

- To work freely in *150* dia. hole
- To work freely on *150* dia. pin
- Load *3.4* to *4.4* lb. at *665* length (with set removed)
- Solid Height *569* max. 7. Wind *X* H
- Free Length *822* min. 8. Remove set *Yes*
- Ends *SQUARED & GROUND* (No except for inspection)

MANUFACTURE

- Wire dia. *0.26*
- Free Length *910* (with set removed)
- Outside dia. *145*
- Coils *17* Active *19* Total

DESIGN DATA

- Rate *22.9* lb./in.
- Spring Index *4.57*
- Solid Stress *177,000* lb./sq. in.
- Torsional Mod. G *11.5 x 10⁶* lb./sq. in.
- Solid Load *7.70* lb.
- Concentric Corr. *1.33 (WHL)*

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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