

NUMBER <b>A-17047</b>		REMINGTON ARMS CO. INC. RESEARCH & DEV. DEPT.	
SCALE ---		SUPERSEDES-REFERENCE <b>A-17047 REV. 23</b>	
TITLE <b>SPRING, HELICAL COMPRESSION</b>			
DES. BY DATE	DRN. BY DATE	CHK. BY DATE	APP. BY DATE
	<b>RW 1-15-86</b>	<b>M 12-3-85</b>	
FOR DETAILS, SEE PROCESS RECORD			
MODEL	PART USE	QUAN.	SEE
700	SEAR SPRING		1
40X	SEAR SPRING		1
7LTW	SEAR SPRING		1
NBAR	SEAR SPRING		1

RECOMMENDED MATL. & HEAT TREAT  
Material MUSIC WIRE  
Heat Treat STRESS RELIEVE  
Approval (By Date) .....

#### INSPECTION

- To work freely in .151 dia. hole
- To work freely on --- dia. pin
- Load 6.0 to 6.8 lb. at .330 length (with set removed)
- Solid Height .303 max. 7. Wind RIGHT H
- Free Length .460 min. 8. Remove set (Yes)
- Ends SQUARED AND GROUND (No [except for inspection])

#### MANUFACTURE

- Wire dia. .026
- Free Length .485 (with set removed)
- Outside dia. .146
- Coils 9.5 Active 11.5 Total

#### DESIGN DATA

- Rate 41.14 lb./in.
- Spring Index 4.62
- Solid Stress 175,700 lb./sq. in.
- Torsional Mod. G=11,500,000 lb./sq. in.
- Solid Load 7.5 lb.
- Concentric Corr. 1.341

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.

24	REVISED AND REDRAWN	RW	1-15-86
ALT.	WAB	REFERENCE	BY DATE
ALTERATIONS			

A 17047