

SHEET SIZE A	NUMBER 301427	REMINGTON ARMS CO., INC. Madison, NC 27025		
		SCALE 5X	SUPERSEDES	REFERENCE

THIS DRAWING OR INFORMATION IS
PROPRIETARY INFORMATION TO THE
REMINGTON ARMS COMPANY, INC.

MATERIAL AND HEAT TREAT

MATERIAL : MUSIC WIRE (ASTM A228)
HEAT TREAT : STRESS RELIEVE
FINISH : OIL

TITLE
SPRING, **PRIMARY TRIGGER PULL SPRING**

DES. BY DATE JWR 04-05-05	DRN. BY DATE JWR 10-05-06	CHK. BY DATE
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MODEL	PART NO.	PART USE
	301427	PRIMARY TRIGGER PULL SPRING

INSPECTION

1. TO WORK FREELY IN A 0.120 DIA. HOLE.
2. TO WORK FREELY ON A 0.080 DIA. PIN
3. LOAD 0.36 TO 0.44 LB. AT 0.220 (L1) D
LOAD 0.9 TO 1.1 LB. AT 0.185 (L2) E
4. SOLID HEIGHT 0.150 MAX. 5. WIND LEFT HAND F
6. FREE LENGTH 0.240 MIN. C 7. ENDS CLOSED & GROUND G
8. CHECK HERE FOR NON-COMMERCIAL TOLERANCES

MANUFACTURE

9. WIRE DIA. 0.016 B
10. FREE LENGTH 0.243
11. OUTSIDE DIA. 0.115 A
12. COILS: ACTIVE 5.7
13. CHECK HERE FOR SET REMOVAL TOTAL 7.7

DESIGN DATA

14. SPRING RATE 17.1 LB/IN.
15. STATIC STRESS AT SOLID 158440 LB./SQ.IN.
16. DYNAMIC STRESS 0 LB./SQ.IN.
17. TOTAL STRESS AT SOLID 158440 LB./SQ.IN.
18. SOLID LOAD 2.06 LBS.
19. SPRING INDEX 6.188
20. TORSIONAL MODULUS 11.5E6 LB./SQ.IN.
21. CURVATURE CORRECTION FACTOR 1.244 (WAHL)
22. VELOCITY IMPACTING MASS 0 IN./SEC.
23. CRITICAL FREQUENCY 3997 HZ.
24. TOTAL STRESS AS % OF TENSILE STRENGTH 41%
25. ENERGY FROM L1 TO L2 0.0245 IN-LBS.



A	REDRAWN		JWR	10-5-06
ALT.	WAS	REF.	BY	DATE
ALTERATIONS				

THIS SPRING MUST MEET THE REQUIREMENTS IN THE INSPECTION SECTION. FIGURES GIVEN IN THE MANUFACTURE SECTION INDICATE THE PREFERRED SPRING. THE MANUFACTURER MAY, WITH PRIOR APPROVAL, DEVIATE FROM THESE FIGURES. FIGURES IN THE DESIGN DATA SECTION ARE BASED ON THOSE IN THE MANUFACTURE SECTION.

SOLIDWORKS FILE : 301427 - Primary Trigger Pull Spring

NOT RELEASED FOR PRODUCTION