

C6348742

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400062910

MAINTENANCE REQUEST				PAGE NO.	NO. OF PAGES	REQUIREMENT CONTROL SYMBOL
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG.				/	/	CSGLD-1047(R1)
SECTION I - EQUIPMENT DATA						
CONTROL NUMBER	WORK ORDER NUMBER	WESDC	ORG PD	PD AUTHENTICATION		
☐ WORK REQUEST ☐ MWO ☒ WARRANTY CLAIM	1a. ORGANIZATION SOTI FT. DEVENS MA. HHC 10TH SFG(A) 155F.	b. LOCATION BLDG T-2410 FT. Devens, Mass 01433		c. UNIT IDENT CODE WH08AA		
2. SERIAL NO. C6348742	3. NOUN NOMENCLATURE M24 SWS	4. LINE NO. R95387	5. MODEL Remington Bolt	6. NATIONAL STOCK NUMBER 1005-01-240-2136		
7. MAINTENANCE ACTIVITY Remington Bolt	a. LEVEL	8. UTILIZATION CODE	9. MCSR ITEM	a. ERC	b. PACING ITEM	10. HOURS
						11. MILES
						12. ROUNDS
						13. STARTS
14. FAILURE DETECTED DURING (Select one - use ✓ or X)						
☒ A Scheduled Maintenance ☐ C Test ☐ E Storage ☐ G Flight ☒ 1068 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment ☐ B Handling ☒ D Normal Op ☐ F Inspection ☐ H Other ☐ 008 Noisy ☐ 387 Low Performance ☐ Other						
15. FIRST INDICATION OF TROUBLE (Select one - use ✓ or X)						
☐ 1068 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment ☐ 008 Noisy ☐ 387 Low Performance ☐ Other						
16. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs)						
BOLT HANDLE BROKE-OFF						
16a. REMARKS						
New Bolt - 10/18/90						
PREPARATION INSTRUCTIONS (Prior to using this form, read DA PAM 738-750 for detailed preparation instructions)						
(1) Place a "✓" or an "X" in the box for the type action required. (2) Enter the WESDC if the item is Materiel Condition Status Reportable. (3) Enter the priority designator as determined from the urgency of need and force activity designator. (4) The Unit Commander, Chief of TDA activity or their designated representative will authenticate, by signature, a priority of 01 through 08. (5) Block 1a. Enter the name of the organization submitting the request. (6) Block 1b. Enter the unit submitting the request; units overseas enter APO only. (7) Block 1c. Enter the unit identification code of the unit in block 1a. (8) Block 2. Enter the equipment serial no. For ammunition, enter the lot number. For administrative use vehicles enter the USA registration number. (9) Block 3. Enter the noun abbreviation of the item. (10) Block 4. Enter the item line number, if applicable. (11) Block 5. Enter the model number. (12) Block 6. Enter the national stock number of the item listed in block 3. (13) Block 7. Enter the name of the support activity. (14) Block 7a. Enter the symbol of the maintenance category (O, F, H, D or L). (15) Block 8. Enter the utilization code. (16) Block 9. Enter the word "yes" if the item is Materiel Condition Status Reportable. (17) Block 9a. Enter the equipment readiness code, if applicable. (18) Block 9b. Enter the word "yes" if the item is a pacing item. (19) Block 10. Enter the hour reading, if applicable. (20) Block 11. Enter the mileage from the odometer, if applicable. (21) Block 12. Enter the total rounds fired, if applicable. (22) Block 13. For turbine engines, enter the number of hot starts. (23) Block 14. Enter a "✓" or an "X" in the proper block. (24) Block 15. Enter a "✓" or an "X" in the proper block. (25) Block 16. Describe briefly the fault or symptoms needing correction.						
Ph. [Signature] 23. SUBMITTED BY SFC KAPP JULIAN DATE 15 Oct 90 24. RECEIVED BY JULIAN DATE 2 men from FT Devens took guns back under the Repaired under DD 250 BOP - # 0014-0004						

DA FORM 2407 MAY 81

EDITION OF JUL 79 IS OBSOLETE.

RECEIPT COPY 1

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348742

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	RW
600	Proof	10-9	89	A.C.
607	Check Headspace	10-9	89	RW
610	Dis-assemble Gun	10-9	89	RW
612	Magnaflux Barrel Action	10/13/89		KCR
	Magnaflux Bolt	10/13/89		KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes	10 1689		JB
618	Polish Barrel RB	10 1689		BT
620	Apply Coatings (Barrel Action)		10-27-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/30/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/30/89	RW
	C) Inspect Ejector Hole for Chamfer		10/30/89	RW
	D) Oil Firing Pin Ass'y		10/30/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/3/89	JK

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			11/6/89	JK
	G) Safety Off Force	4	4	4			11/6/89	JK
	H) Trigger Pull Test & Retainability						11/3/89	JK
	I) Firing Pin Indent	.020	.020	.020			11/6/89	JK
	J) Assemble Stock						11/6/89	RW
	K) Assemble Swivel Studs						13 Nov 89	JK
	L) Attach Front and Rear Sight Assemblies						11/6/89	RW
	M) Iron Sight Alignment						11/6/89	RW
	N) Detach Front & Rear Sights & place in numbered container						11/6/89	RW
	O) Attach Scope to Rifle						11-8-89	JK
	P) Detach & Attach Scope 20 Times						11-8-89	JK
640	Gallery Target & Test						11-10-89	JK
	A) Time						11-10-89	JK
	B) Malfunctions						11-10-89	JK
	C) Pierced Primers						11-10-89	JK
	D) Optical Clarity of Scope						11-10-89	JK
645	Inspect for Live Ammo						11-10-89	JK
655	Final Inspection							
	A) Headspace						13 Nov 89	JK
	B) Trigger Pull	2.47	2.70	2.75	2.42	2.56	13 Nov 89	JK
	C) Function						13 Nov 89	JK
660	Pack						15 Dec 89	JK

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50#+.50#

3.00#+.75#

4.00#+1.00#

SERIAL NO. 8745

DATE 22 Mar 90

TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	226	241	256	MIN. SETTING,
PULL #2	222	248	258	NO AVG. OF 5
PULL #3	232	248	257	READINGS ACCEPT-
PULL #4	231	240	257	ABLE LESS THAN 2#
PULL #5	237	243	247	
TOTAL	1148	1220		
AVG.	229.6	244		

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	305	297	
PULL #2	299	286	
PULL #3	300	301	
PULL #4	295	300	
PULL #5	299	301	
TOTAL	1498	1485	
AVG.	299.6	297	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.16		
PULL #2	4.10	4.15		
PULL #3	4.15	4.10		
PULL #4	4.11	4.23		
PULL #5	4.16	4.20		
TOTAL	20.69	20.84		
AVG.	4.138	4.168		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348742
10 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.17853
1 TO	2	.287179
1 TO	3	.122886
1 TO	4	.606699
1 TO	5	.234081

4 0 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1872
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1096
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .216924

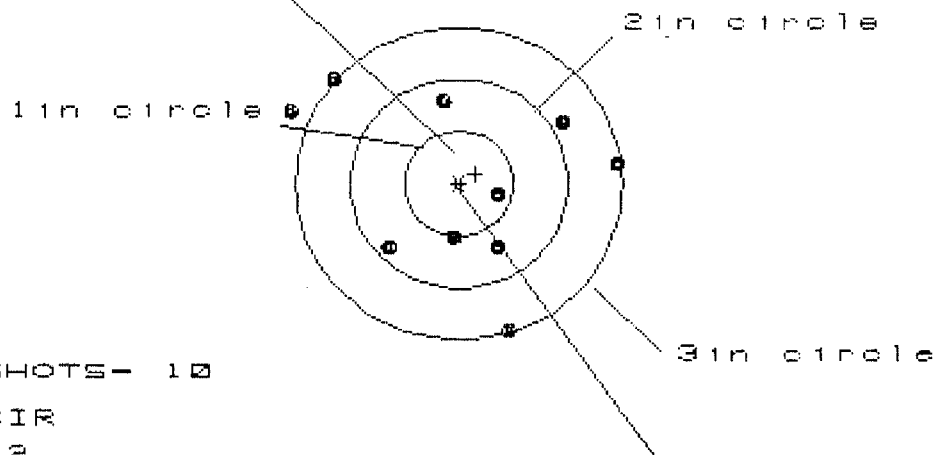
THE AMR FOR THIS RIFLE IS: 1.147

18 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06346742

CENTERFIRE PATTERNS # 1

POA



OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 7

ME = 2.9889

VS = 2.468

GS = 3.031

CENTROID #

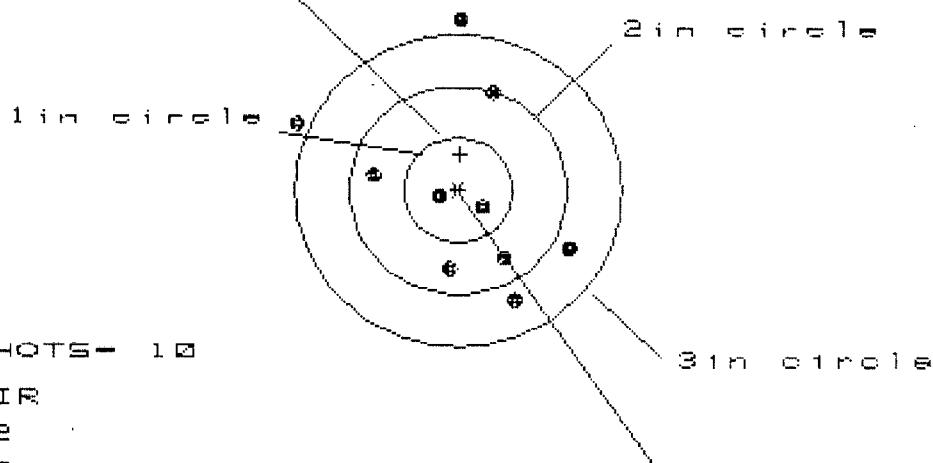
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.429	1.255	1.094
MINIMUM X	-1.560	-1.291	-.997
MAXIMUM Y	1.033	1.108	1.023
MINIMUM Y	-1.435	-1.360	-1.222
CENTROID X	-.153	.021	.182
CENTROID Y	-.092	-.167	-.305
POA TO CENTROID in.	.178	.168	.355
MIN RADIUS	.410	.222	.096
MEAN RADIUS	1.060	.952	.820
MAX RADIUS	1.699	1.701	1.228
HORIZONTAL SPREAD	2.989	2.546	2.091
VERTICAL SPREAD	2.468	2.468	2.245
EXTREME SPREAD	3.031	2.928	2.338
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348742

CENTERFIRE PATTERNS # 2

POB



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 8

HEI 2.490

VSE 2.651

GSE 2.749

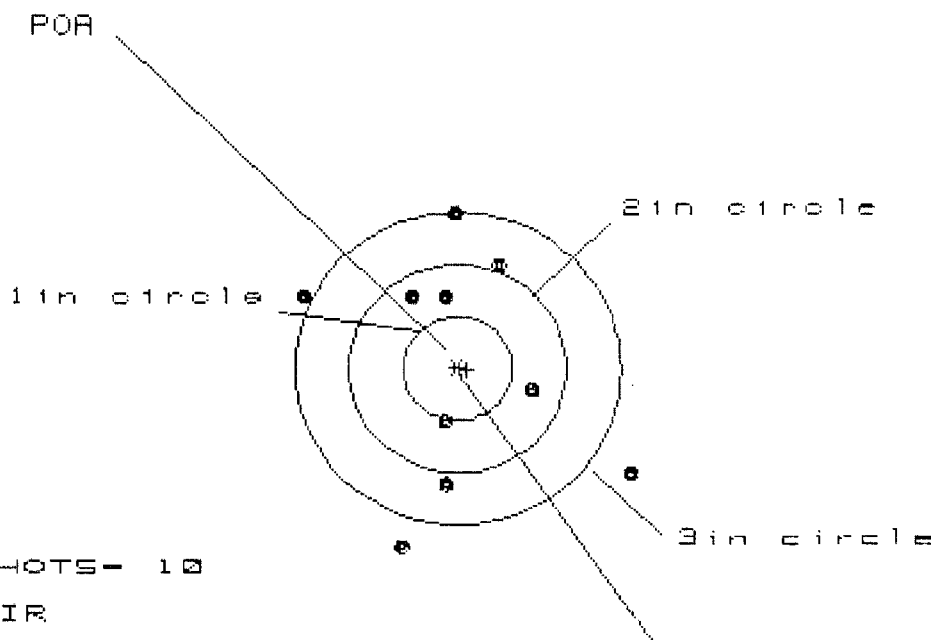
CENTROID *

PATTERN #	:	[1]	[2]	[3]
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.035	1.041	.860
MINIMUM X	:	-1.455	-1.449	-.939
MAXIMUM Y	:	1.631	1.100	1.201
MINIMUM Y	:	-1.020	-.839	-.738
CENTROID X	:	-.019	-.025	.156
CENTROID Y	:	-.346	-.527	-.628
POB TO CENTROID in.	:	.347	.528	.647
MIN RADIUS	:	.190	.191	.100
MEAN RADIUS	:	.934	.822	.691
MAX RADIUS	:	1.632	1.659	1.205
HORIZONTAL SPREAD	:	2.490	2.490	1.799
VERTICAL SPREAD	:	2.651	1.939	1.939
EXTREME SPREAD	:	2.749	2.749	1.951
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

10 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348742

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 0

2in = 4

3in = 6

MS - 3.037

VS - 3.251

ES - 3.502

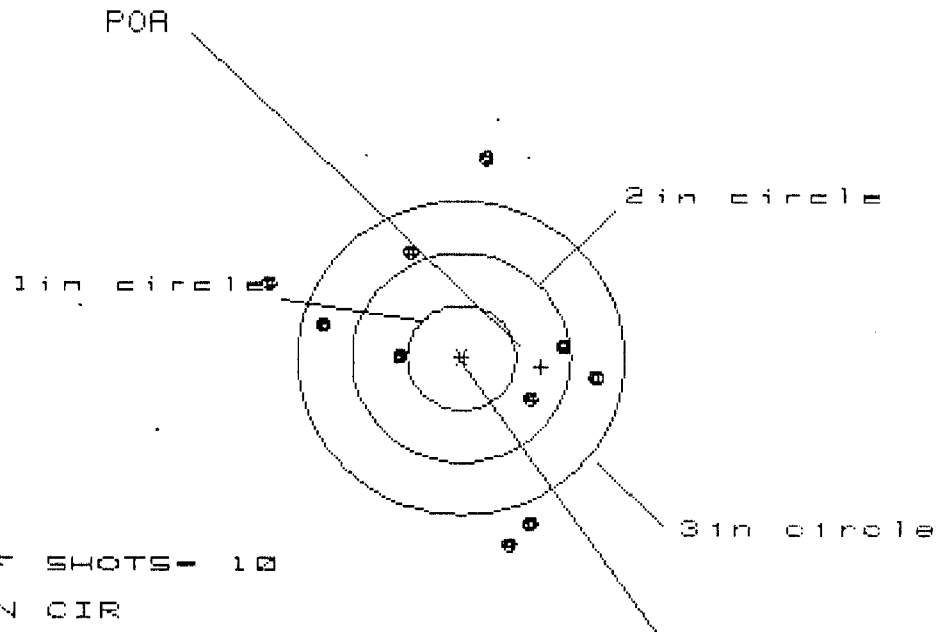
CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.594	.842	.804
MINIMUM X	:	-1.443	-1.266	-1.304
MAXIMUM Y	:	1.527	1.414	1.185
MINIMUM Y	:	-1.724	-1.837	-1.432
CENTROID X	:	-.083	-.260	-.222
CENTROID Y	:	.009	.122	.351
POA TO CENTROID in.	:	.083	.287	.416
MIN RADIUS	:	.531	.591	.359
MEAN RADIUS	:	1.166	1.070	.926
MAX RADIUS	:	1.890	1.862	1.434
HORIZONTAL SPREAD	:	3.037	2.108	2.108
VERTICAL SPREAD	:	3.251	3.251	2.617
EXTREME SPREAD	:	3.502	3.289	2.619
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	6		

18 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348742

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 3

3 in = 6

HSE = 3.017

VSE = 3.711

ASE = 3.716

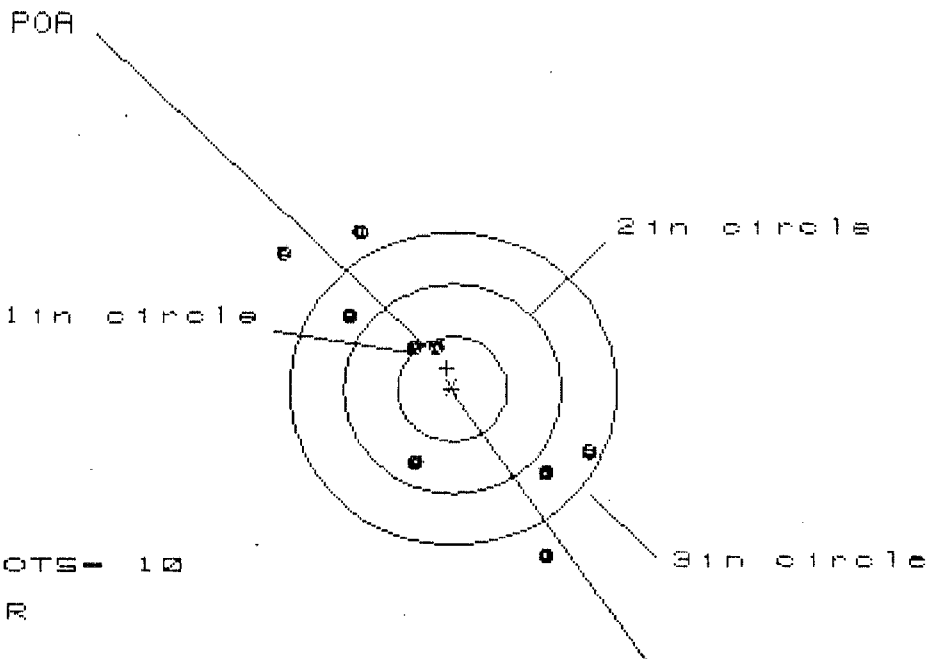
CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.275	1.297	1.082
MINIMUM X	:	-1.742	-1.720	-1.502
MAXIMUM Y	:	1.916	1.195	1.316
MINIMUM Y	:	-1.795	-1.582	-1.461
CENTROID X	:	-0.733	-0.755	-0.540
CENTROID Y	:	0.086	-0.127	-0.448
POR TO CENTROID in.	:	0.738	0.765	0.594
MIN RADIUS	:	0.543	0.554	0.478
MEAN RADIUS	:	1.335	1.260	1.137
MAX RADIUS	:	1.926	1.976	1.626
HORIZONTAL SPREAD	:	3.017	3.017	2.584
VERTICAL SPREAD	:	3.711	2.777	2.777
EXTREME SPREAD	:	3.716	3.333	2.920
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	6		

10 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6346742

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 1

2in = 3

3in = 7

HQ1 = 2.740

HQ2 = 3.081

HQ3 = 3.746

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.235	1.068	1.148
MINIMUM X	:	-1.505	-1.113	-1.033
MAXIMUM Y	:	1.465	1.613	1.429
MINIMUM Y	:	-1.616	-1.468	-1.796
CENTROID X	:	.052	.219	.149
CENTROID Y	:	-.205	-.353	-.169
POR TO CENTROID in.	:	.211	.415	.219
MIN RADIUS	:	.458	.657	.457
MEAN RADIUS	:	1.241	1.153	1.077
MAX RADIUS	:	2.009	1.896	1.698
HORIZONTAL SPREAD	:	2.740	2.181	2.181
VERTICAL SPREAD	:	3.081	3.081	2.225
EXTREME SPREAD	:	3.746	3.488	2.946
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6348742

24 Feb 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0092

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.068

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0686195

THE AMR FOR THIS RIFLE IS: .9116

CENTROIDAL DISTANCES

Ø TO	1	.163306
1 TO	2	.208943
1 TO	3	.18513
1 TO	4	.534064
1 TO	5	.264698

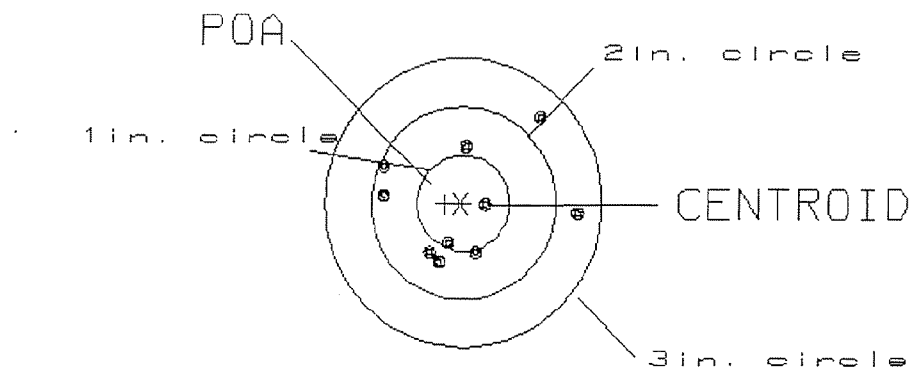
4
+ 1
523 <----POA

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .163
 MIN RADIUS : .236
 MEAN RADIUS : .734
 MAX RADIUS : 1.244
 CENTROID X : .163
 CENTROID Y : .010

24 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348742

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.14

3

VS= 1.59

6

GS= 2.19

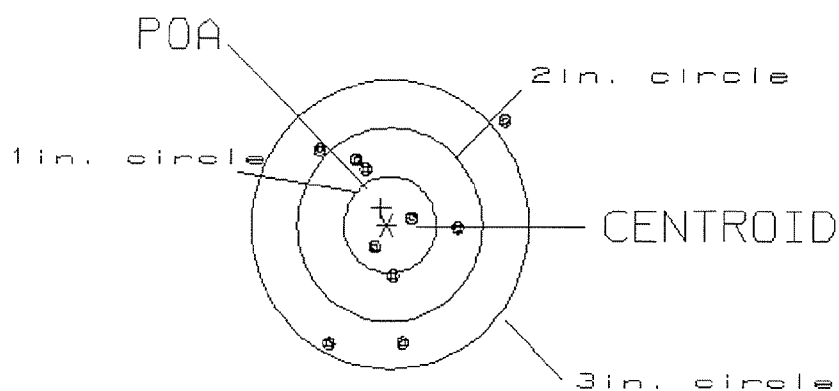
10

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .186
 MIN RADIUS : .211
 MEAN RADIUS : .842
 MAX RADIUS : 1.619
 CENTROID X : .064
 CENTROID Y : -.174

24 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348742

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 1.97

2

VS= 2.28

6

GS= 2.96

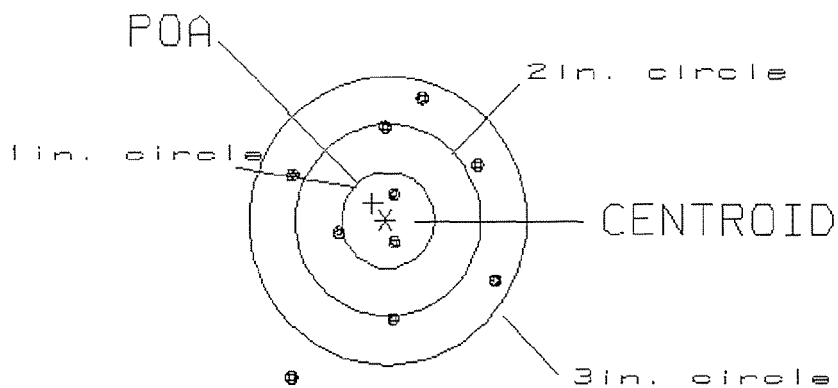
9

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .219
 MIN RADIUS : .282
 MEAN RADIUS : .996
 MAX RADIUS : 1.935
 CENTROID X : .135
 CENTROID Y : -.173

24 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348742

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.29

2

VS= 2.87

5

GS= 3.21

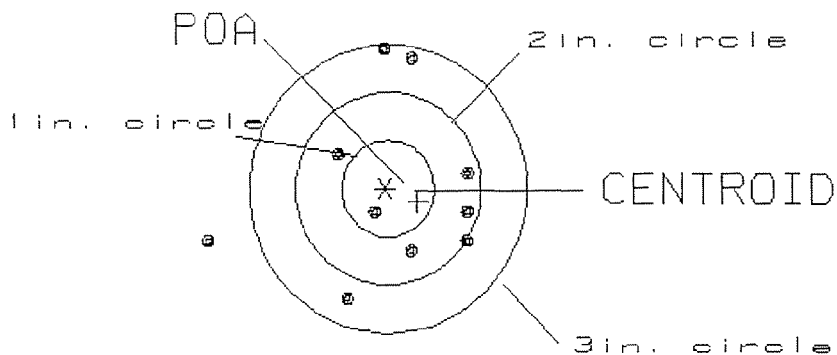
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PATTERN #: 4
 POA TO CENTROID: .381
 MIN RADIUS : .294
 MEAN RADIUS : 1.035
 MAX RADIUS : 2.012
 CENTROID X : -.355
 CENTROID Y : .140

24 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348742

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.86

1

VS= 2.52

6

GS= 2.93

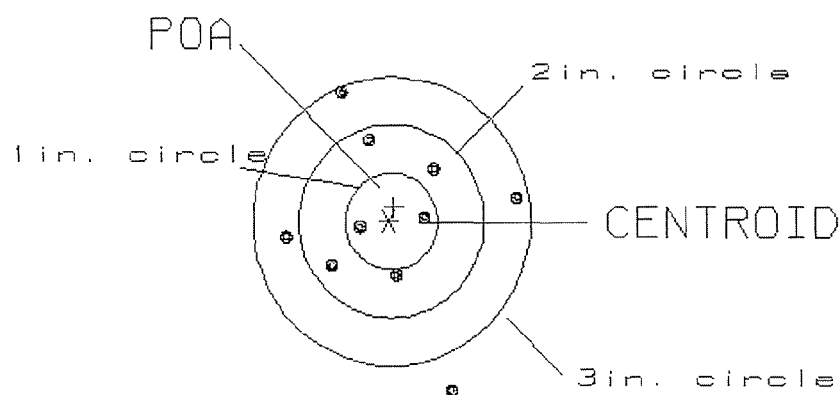
9

PATTERN #: ☐ 5 ☐
 POA TO CENTROID: .153
 MIN RADIUS : .351
 MEAN RADIUS : .951
 MAX RADIUS : 1.898
 CENTROID X : -.053
 CENTROID Y : -.143

24 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348742

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.52

2

VS= 3.16

6

GS= 3.37

9

Final Inspection

S/N: C.6348742

DATE REC'D: 1-22-01

DATE RET'D:

AUDITOR CK

Item:

Barrel Assy.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

Scope Assy.

☒ SCOPE☒ SCOPE RINGS☒ MOUNTING SCREWS☒ MOUNTING BASE☒ SCREWS☒ FINISH☒ LOOSENESS☒ CLARITY

Misc.

☐ DD-250☐ BAR CODE☐ PACKAGING

Item:

Stock Assy.

☒ STOCK☒ SLING SWIVEL STUDS☒ ADJUSTABLE BUTT PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

Systems Case

☐ SCOPE CASE☐ IRON SIGHTS☐ DEPLOYMENT KIT

Trigger

☒ SAFETY OPERATION☒ SET

Comments:

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER		21315	
SERIAL NUMBER		C-6348742	
LOG-IN DATE		1-22-01	
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-27-01	CK
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	1-28-01	CK
605	CHECK HEADSPACE	1-28-01	CK
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	2-10-01	CK
655	FINAL INSPECT	2-15-01	
660	PACK		
		SHIP DATE	
QAR INSPECTION DATE			

Remington.



VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700TM H24

SERIAL NO.

C6348742

ORDER NO.

5716

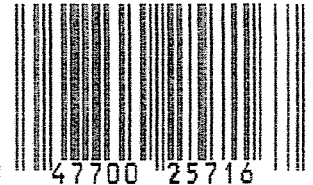
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.

01



5716 C6348742

UPC



0 47700 25716 7