

06522138

MODEL 700™ M24

Model **SMS**™

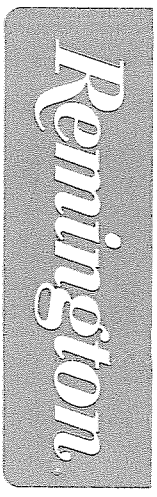
Action

Barrel Length

Capacity

Order No. **5715**

* Includes 1 in chamber.



op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2	10/29/90	WLB		
	G) Safety Off Force	2 1/2	2 1/2	2 1/2	10/29/90	WLB		
	H) Trigger Pull Test & Retainability				10/29/90	JF		
	I) Firing Pin Indent	.022	.022	.022	10/29/90	WLB		
	J) Assemble Stock				10/31/90	Kd		
	K) Assemble Swivel Studs				11/19/90	JS		
	L) Attach Front and Rear Sight Assemblies				10/31/90	Kd		
	M) Iron Sight Alignment				10/31/90	Kd		
	N) Detach Front & Rear Sights & place in numbered container				10/31/90	Kd		
	O) Attach Scope to Rifle				10/31/90	Kd		
	P) Detach & Attach Scope 20 Times				10/31/90	Kd		
640	Gallery Target & Test				11/1/90	NF		
	A) Time				"	NF		
	B) Malfunctions				"	NF		
	C) Pierced Primers				"	NF		
	D) Optical Clarity of Scope				"	NF		
645	Inspect for Live Ammo				11/1/90	NF		
655	Final Inspection							
	A) Headspace				11/19/90	JS		
	B) Trigger Pull	285	297	295	289	291	11/19/90	JS
	C) Function						11/19/90	JS
660	Pack						12/18/90	NF

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522138

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/1/90	KL
600	Proof		10/1/90	KL
607	Check Headspace		10/1/90	KL
610	Dis-assemble Gun		10/1/90	KL
612	Magnaflux Barrel Action		10/3/90	KR
	Magnaflux Bolt		10/3/90	KR
615	Rollmark Caliber		10/3/90	KL
617	Drill and Tap Sight Holes		10/4/90	WB
618	Polish Barrel RB		10/5/90	FB
620	Apply Coatings (Barrel Action)		10-2090	LH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/21/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/21/90	KS
	C) Inspect Ejector Hole for Chamfer		10/21/90	KS
	D) Oil Firing Pin Ass'y		10/21/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		10/20/90	KL

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6522138

DATE 10/29/90

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.45	2.41	2.85	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.31	2.44	2.97	
PULL #3	2.38	2.46	2.44	2.95	
PULL #4	2.44	2.40	2.36	2.89	
PULL #5	2.10	2.45	2.37	2.91	
TOTAL	11.88	12.07	12.02		
AVG.	2.376	2.414	2.404		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.40	3.44		
PULL #2	3.39	3.11		
PULL #3	3.13	3.46		
PULL #4	3.46	3.10		
PULL #5	3.14	3.50		
TOTAL	16.52	16.61		
AVG.	3.304	3.322		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.32	4.34		4.12
PULL #2	4.37	4.32		4.47
PULL #3	4.22	4.10		4.43
PULL #4	4.41	4.42		4.43
PULL #5	4.32	4.43		4.41
TOTAL	21.64	21.61		21.86
AVG.	4.328	4.322		4.372

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522138
2 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.0498588
1 TO	2	.303567
1 TO	3	.364947
1 TO	4	.424199
1 TO	5	.19272

4⁴⁵₃₂ <----POA

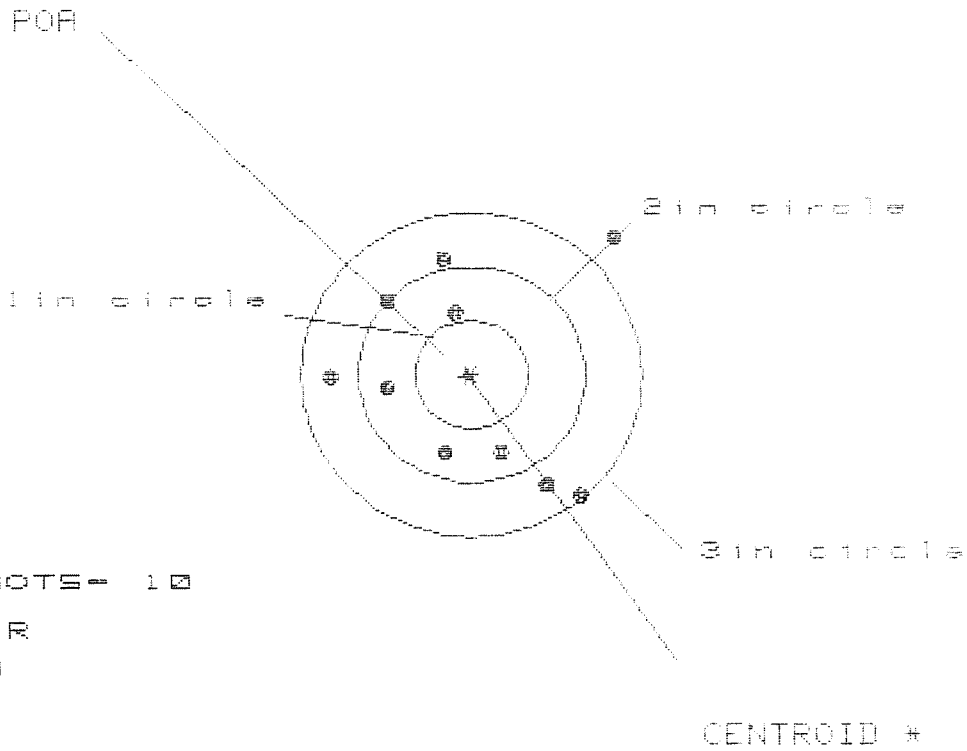
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0012
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1378
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .137805
THE AMR FOR THIS RIFLE IS: 1.023

2 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522138

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 4

3 in = 0

HS = 2.440

VS = 2.440

GS = 2.775

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.235	1.130	.974
MINIMUM X	-1.213	-1.076	-.934
MAXIMUM Y	1.272	1.247	1.119
MINIMUM Y	-1.168	-1.027	-.972
CENTROID X	.045	-.092	-.233
CENTROID Y	.021	-.120	.008
POA TO CENTROID in.	.050	.151	.234
MIN RADIUS	.619	.563	.479
MEAN RADIUS	1.073	.968	.873
MAX RADIUS	1.773	1.527	1.377
HORIZONTAL SPREAD	2.443	2.206	1.909
VERTICAL SPREAD	2.440	2.274	2.091
EXTREME SPREAD	2.775	2.567	2.274
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

2 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522138

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 8

HS= 2.542

VS= 3.112

GS= 3.185

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.604	1.693	.634
MINIMUM X	:	-.938	-.849	-.637
MAXIMUM Y	:	1.434	1.248	1.195
MINIMUM Y	:	-1.678	-1.276	-1.329
CENTROID X	:	.128	.039	-.173
CENTROID Y	:	-.271	-.085	-.031
POA TO CENTROID in.	:	.360	.093	.176
MIN RADIUS	:	.508	.397	.204
MEAN RADIUS	:	1.084	.940	.799
MAX RADIUS	:	1.859	1.746	1.381
HORIZONTAL SPREAD	:	2.542	2.542	1.271
VERTICAL SPREAD	:	3.112	2.524	2.524
EXTREME SPREAD	:	3.185	2.647	2.647
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

2 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522138

CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 2.996

VS= 2.087

GS= 3.180

PATTERN #

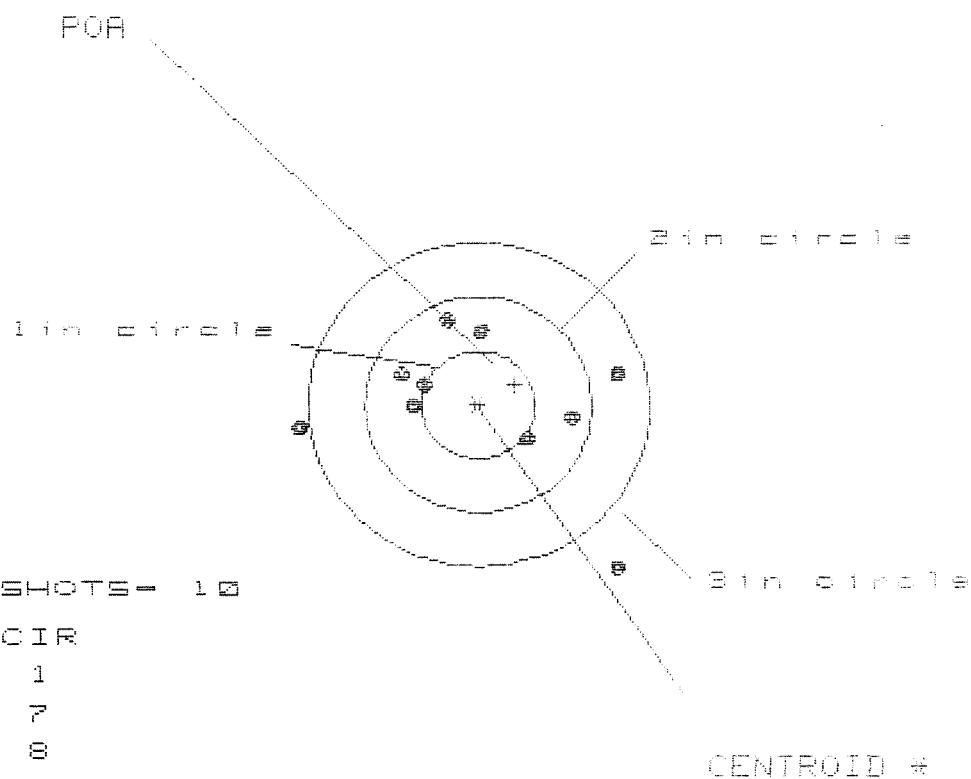
3

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.666	1.106	.962
MINIMUM X	-1.330	-1.144	-.920
MAXIMUM Y	.795	.765	.809
MINIMUM Y	-1.292	-1.322	-1.227
CENTROID X	-.074	-.260	-.116
CENTROID Y	-.324	-.294	-.390
POA TO CENTROID in.	.332	.392	.407
MIN RADIUS	.218	.145	.142
MEAN RADIUS	.920	.809	.737
MAX RADIUS	1.688	1.377	1.239
HORIZONTAL SPREAD	2.996	2.250	1.883
VERTICAL SPREAD	2.087	2.087	2.036
EXTREME SPREAD	3.180	2.547	2.077
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	

2 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06522138

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 8

HS= 2.736

VS= 2.272

GS= 3.013

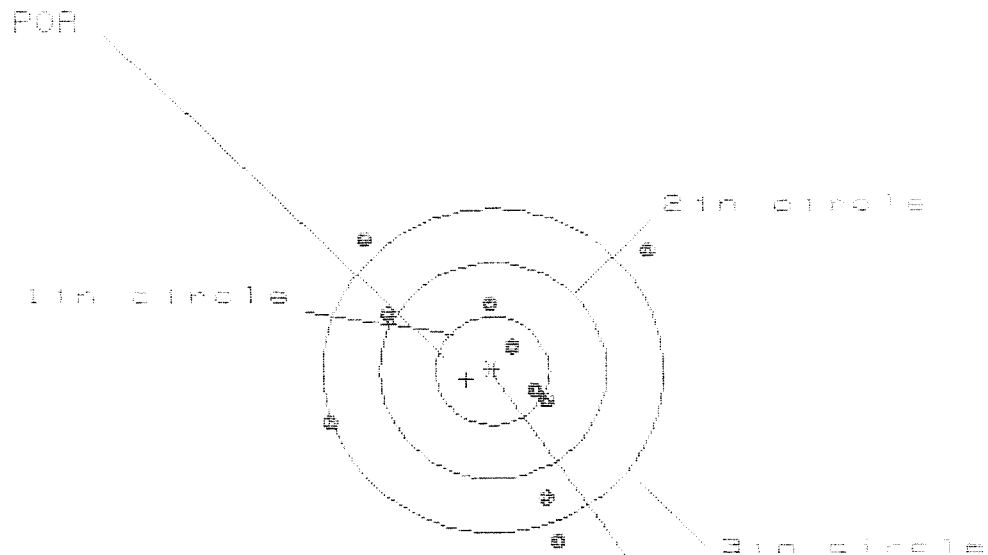
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.191	1.322	1.145
MINIMUM X	:	-1.546	-1.413	-1.759
MAXIMUM Y	:	.752	.583	.529
MINIMUM Y	:	-1.520	-.491	-.545
CENTROID X	:	-.323	-.455	-.278
CENTROID Y	:	-.190	-.021	.033
POA TO CENTROID in.	:	.374	.455	.280
MIN RADIUS	:	.496	.372	.487
MEAN RADIUS	:	.951	.797	.721
MAX RADIUS	:	1.931	1.477	1.149
HORIZONTAL SPREAD	:	2.736	2.735	1.904
VERTICAL SPREAD	:	2.272	1.074	1.074
EXTREME SPREAD	:	3.013	2.794	1.905
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

2 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6582138

CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 6

HS= 2.847

VS= 2.848

GS= 3.335

CENTROID +

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.414	.737	.613
MINIMUM X	:	-1.433	-1.276	-1.400
MAXIMUM Y	:	1.249	1.379	.929
MINIMUM Y	:	-1.599	-1.469	-1.296
CENTROID X	:	.238	.073	.197
CENTROID Y	:	.075	-.055	-.228
POA TO CENTROID in.	:	.242	.091	.301
MIN RADIUS	:	.247	.450	.383
MEAN RADIUS	:	1.089	1.030	.926
MAX RADIUS	:	1.835	1.702	1.434
HORIZONTAL SPREAD	:	2.847	2.013	2.013
VERTICAL SPREAD	:	2.848	2.848	2.225
EXTREME SPREAD	:	3.335	3.335	2.591
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

Remington®



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

MODEL 700™ H24

SERIAL NO.
C6522138

ORDER NO.
5716

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

01



5716 C6522138

UPC



0 47700 25716 7