

C6349226

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington®

MODEL 700™ H24

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

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

REMINGTON-UMC
REG. U.S. PAT. & T.M. OFF.

SERIAL NO. C6349226	Ø1
ORDER NO. 5716	

5716 C6349226

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349226

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12-20 89	RW
600	Proof		12-20 89	A
607	Check Headspace		12-20 89	A
610	Dis-assemble Gun		12-20 89	RW
612	Magnaflux Barrel Action	1-5-90		KER
	Magnaflux Bolt	1-5-90		
615	Rollmark Caliber		1/3/90	JS
617	Drill and Tap Sight Holes		1/8/90	LB
618	Polish Barrel RB		1/9/90	WB
620	Apply Coatings (Barrel Action)		1-15-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/16/90 1/16/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/16/90	RW
	C) Inspect Ejector Hole for Chamfer		1/16/90	RW
	D) Oil Firing Pin Ass'y		1/16/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1/16/90	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			1-17-90	JS
	G) Safety Off Force	3	3	3			1-17-90	JS
	H) Trigger Pull Test & Retainability						1/17/90	JS
	I) Firing Pin Indent	.021	.020	.020			1-17-90	JS
	J) Assemble Stock						3/8/90	RW
	K) Assemble Swivel Studs						3/13/90	WB
	L) Attach Front and Rear Sight Assemblies						3/8/90	RW
	M) Iron Sight Alignment						3/8/90	RW
	N) Detach Front & Rear Sights & place in numbered container						3/8/90	RW
	O) Attach Scope to Rifle						3/8/90	WB
	P) Detach & Attach Scope 20 Times						3/8/90	WB
640	Gallery Target & Test						3-9-90	J.S. Temp. Help.
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection						3/13/90	WB
	A) Headspace							
	B) Trigger Pull	2.30	2.30	2.27	2.29	2.24	3/13/90	ES
	C) Function						3/13/90	WB
660	Pack						20 Mar 90	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349226

DATE 17 Jan 90

TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.00	2.58	2.12	2.30	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.60	2.01	2.07	2.30	
PULL #3	2.59	2.18	2.10	2.27	
PULL #4	2.58	2.10	2.12	2.29	
PULL #5	2.68	2.07	2.14	2.24	
TOTAL	12.51	10.94	10.55		
AVG.	2.502	2.188	2.11		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.37	3.52		
PULL #2	3.45	3.51		
PULL #3	3.45	3.34		
PULL #4	3.51	3.52		
PULL #5	3.52	3.41		
TOTAL	17.30	17.50		
AVG.	3.46	3.50		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.19		4.16
PULL #2	4.26	4.18		4.18
PULL #3	4.16	4.10		4.18
PULL #4	4.18	4.19		4.13
PULL #5	4.24	4.18		4.11
TOTAL	21.03	20.84		20.76
AVG.	4.206	4.168		4.152

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349226
9 Mar 1990

CENTROIDAL DISTANCES

0 TO	1	.20632
1 TO	2	.386291
1 TO	3	.407835
1 TO	4	.203924
1 TO	5	.31868

$\frac{3}{215}$ <----POA

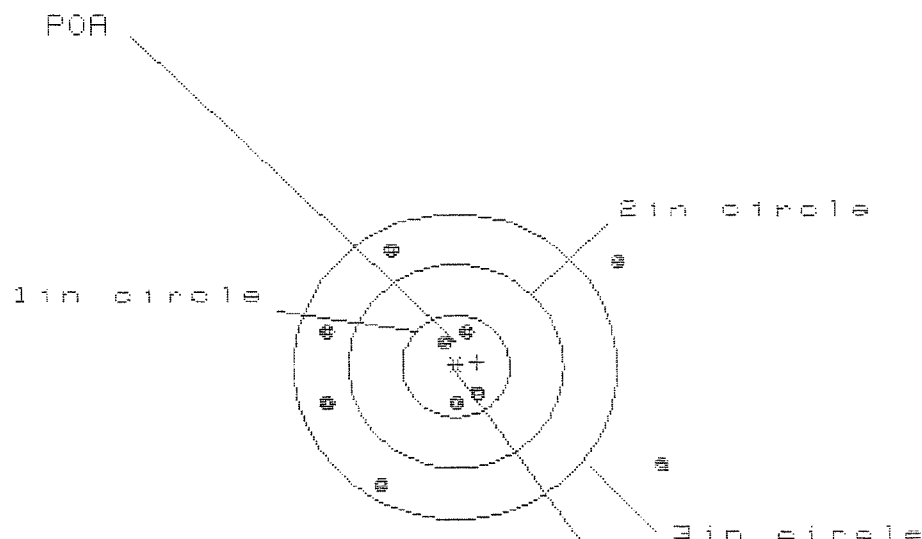
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1978
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0258
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .199476
THE AMR FOR THIS RIFLE IS: 1.116

9 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06845226

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 4

2in = 4

3in = 2

HS= 3.072

VS= 2.334

ES= 3.340

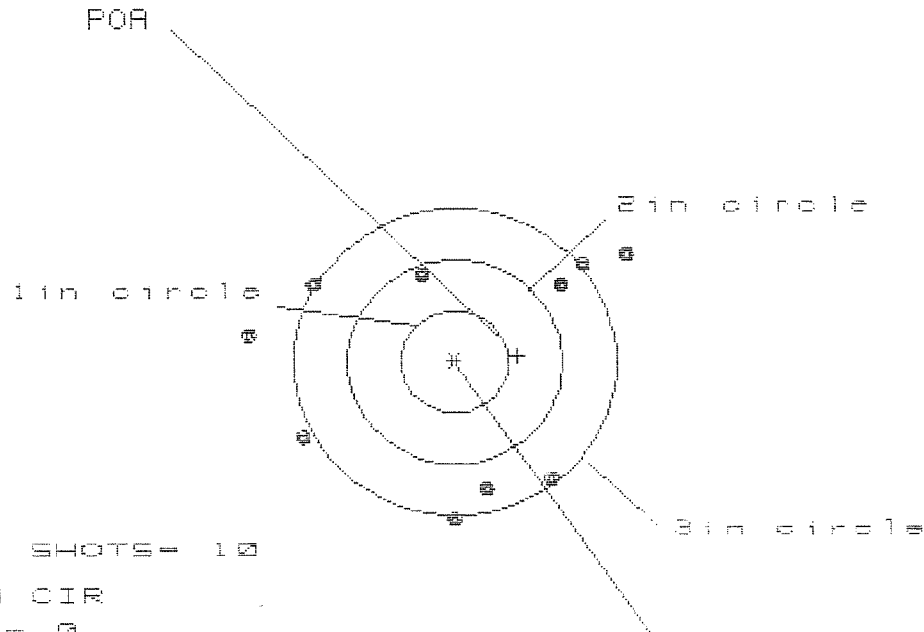
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.884	1.756	.612
MINIMUM X	-1.188	-.979	-.759
MAXIMUM Y	1.138	1.028	1.149
MINIMUM Y	-1.196	-1.306	-1.185
CENTROID X	-.202	-.411	-.631
CENTROID Y	-.042	.068	-.053
POA TO CENTROID in.	.206	.417	.633
MIN RADIUS	.213	.156	.407
MEAN RADIUS	1.042	.966	.793
MAX RADIUS	2.128	2.005	1.213
HORIZONTAL SPREAD	3.072	2.735	1.371
VERTICAL SPREAD	2.334	2.334	2.314
EXTREME SPREAD	3.340	3.186	2.938
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

9 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06349226

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 1

3 in = 6

IS= 2.482

VS= 2.513

GS= 3.572

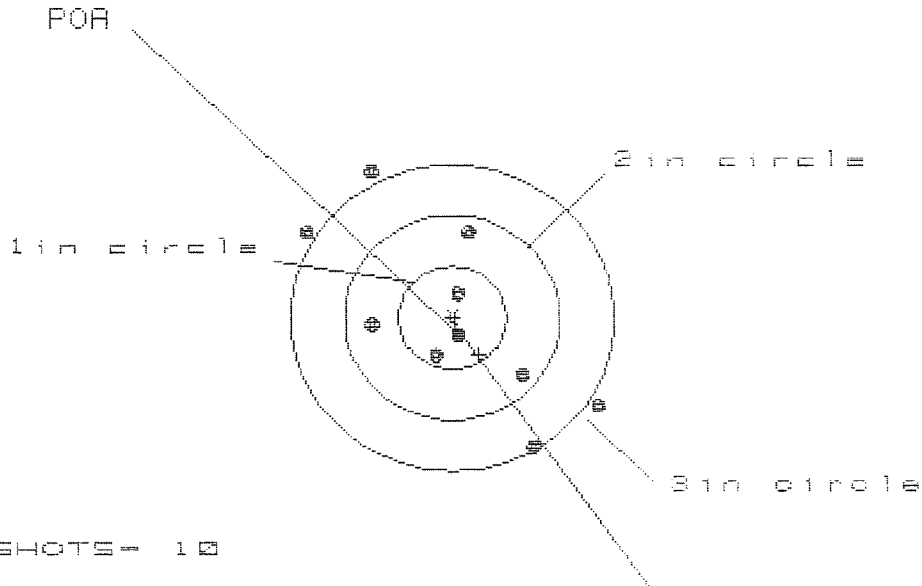
CENTROID *

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.554	1.339	1.125
MINIMUM X	-1.938	-1.577	-1.410
MAXIMUM Y	1.010	1.039	1.067
MINIMUM Y	-1.502	-1.474	-1.344
CENTROID X	-.588	-.373	-.540
CENTROID Y	-.057	-.086	-.216
POA TO CENTROID in.	.591	.382	.582
MIN RADIUS	.926	1.036	1.077
MEAN RADIUS	1.464	1.390	1.345
MAX RADIUS	1.955	1.736	1.619
HORIZONTAL SPREAD	3.492	2.916	2.595
VERTICAL SPREAD	2.513	2.513	2.411
EXTREME SPREAD	3.572	3.408	3.031
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	1	
NUMBER IN THREE INCH CIRCLE	=	6	

9 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349226

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 7

CENTROID *

HS = 2.663

VS = 2.734

GS = 3.193

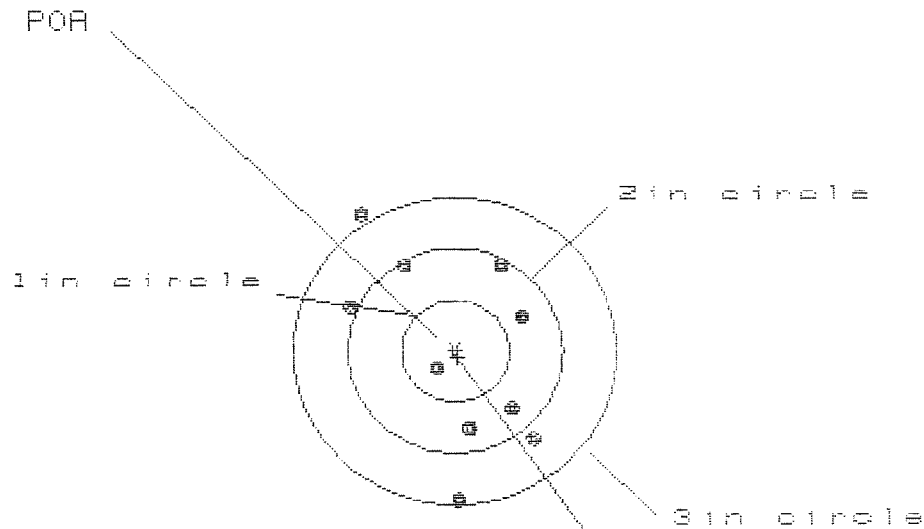
PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.364	1.227	1.047
MINIMUM X	-1.359	-1.436	-1.051
MAXIMUM Y	1.473	1.024	1.103
MINIMUM Y	-1.261	-1.098	-0.970
CENTROID X	-0.250	-0.173	0.007
CENTROID Y	0.363	0.200	0.072
POA TO CENTROID in.	0.441	0.264	0.072
MIN RADIUS	0.205	0.028	0.209
MEAN RADIUS	0.958	0.859	0.765
MAX RADIUS	1.630	1.764	1.211
HORIZONTAL SPREAD	2.663	2.663	2.098
VERTICAL SPREAD	2.734	2.122	2.073
EXTREME SPREAD	3.193	3.193	2.246
NUMBER IN ONE INCH CIRCLE	=	3	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	7	

9 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349226

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 1.728

VS= 2.797

GS= 2.855

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.739	.641	.637
MINIMUM X	:	-.989	-1.087	-1.091
MAXIMUM Y	:	1.299	1.018	.649
MINIMUM Y	:	-1.498	-1.354	-.852
CENTROID X	:	-.026	.072	.076
CENTROID Y	:	.061	-.083	.086
POA TO CENTROID in.	:	.066	.110	.114
MIN RADIUS	:	.193	.234	.288
MEAN RADIUS	:	.962	.874	.814
MAX RADIUS	:	1.572	1.354	1.195
HORIZONTAL SPREAD	:	1.728	1.728	1.728
VERTICAL SPREAD	:	2.797	2.372	1.761
EXTREME SPREAD	:	2.955	2.426	2.171
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

9 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CB349286

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 1

2in = 3

3in = 8

HS= 2.001

VS= 3.380

GS= 3.431

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.896	.957	.959
MINIMUM X	:	-1.105	-1.044	-1.042
MAXIMUM Y	:	1.548	1.344	1.066
MINIMUM Y	:	-1.832	-1.599	-1.431
CENTROID X	:	.077	.016	.014
CENTROID Y	:	-.196	.008	-.160
POA TO CENTROID in.	:	.210	.018	.161
MIN RADIUS	:	.409	.622	.465
MEAN RADIUS	:	1.155	1.063	1.018
MAX RADIUS	:	1.912	1.653	1.491
HORIZONTAL SPREAD	:	2.001	2.001	2.001
VERTICAL SPREAD	:	3.380	2.943	2.497
EXTREME SPREAD	:	3.431	2.976	2.509
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	