

C6522271

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400001953

ITEM SUBJECT TO PROTECTIVE ORDER

Remington®



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

MODEL 700™ H24

SERIAL NO.
C6522271

ORDER NO.
5716

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

Ø1



5716 C6522271

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522271

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 29	90	RW
600	Proof	6 29	90	RW
607	Check Headspace	6 29	90	RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action		7-12-90	KR
	Magnaflux Bolt		7-12-90	KR
615	Rollmark Caliber		7-12-90	LS
617	Drill and Tap Sight Holes		7/13/90	FB
618	Polish Barrel RB		7/16/90	WB
620	Apply Coatings (Barrel Action)		7-23-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/25/90	RW
	C) Inspect Ejector Hole for Chamfer		7/25/90	RW
	D) Oil Firing Pin Ass'y		7/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/18/90	JU

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			8/10/90	HL
	G) Safety Off Force	3	3	3			8/10/90	HL
	H) Trigger Pull Test & Retainability						8/18/90	HL
	I) Firing Pin Indent	.023	.0235	.023			8/10/90	HL
	J) Assemble Stock						8/21/90	RW
	K) Assemble Swivel Studs						8/24/90	LS
	L) Attach Front and Rear Sight Assemblies						8/21/90	RW
	M) Iron Sight Alignment						8/21/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/21/90	RW
	O) Attach Scope to Rifle						8/21/90	RW
	P) Detach & Attach Scope 20 Times						8/21/90	RW
640	Gallery Target & Test						8/21/90	HL
	A) Time						8/21/90	HL
	B) Malfunctions						8/21/90	HL
	C) Pierced Primers						8/21/90	HL
	D) Optical Clarity of Scope						8/21/90	HL
645	Inspect for Live Ammo						8/21/90	HL
655	Final Inspection						8/22/90	LS
	A) Headspace						8/22/90	HL
	B) Trigger Pull	2.08	2.15	2.20	2.15	2.16	8/22/90	HL
	C) Function						8/24/90	LS
660	Pack						9/20/90	LF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50#+.50#
3.00#+.75#
4.00#+1.00#

SERIAL NO. C6522271

DATE 8/18/90

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.32	2.30	2.08	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.36	2.40	2.15	
PULL #3	2.49	2.33	2.33	2.20	
PULL #4	2.47	2.28	2.36	2.15	
PULL #5	2.41	2.36	2.34	2.16	
TOTAL	12.27	11.65	11.73	10.74	
AVG.	2.454	2.33	2.346	2.148	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.26		
PULL #2	3.24	2.28		
PULL #3	3.20	3.24		
PULL #4	3.28	3.20		
PULL #5	3.22	3.23		
TOTAL	16.21	16.21		
AVG.	3.242	3.242		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.27		4.45
PULL #2	4.26	4.25		4.49
PULL #3	4.25	4.24		4.25
PULL #4	4.20	4.26		4.36
PULL #5	4.20	4.18		4.35
TOTAL	21.16	21.20		21.90
AVG.	4.232	4.24		4.38

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522271
22 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.161645
1 TO	2	.0946414
1 TO	3	.0431045
1 TO	4	.225894
1 TO	5	.291247

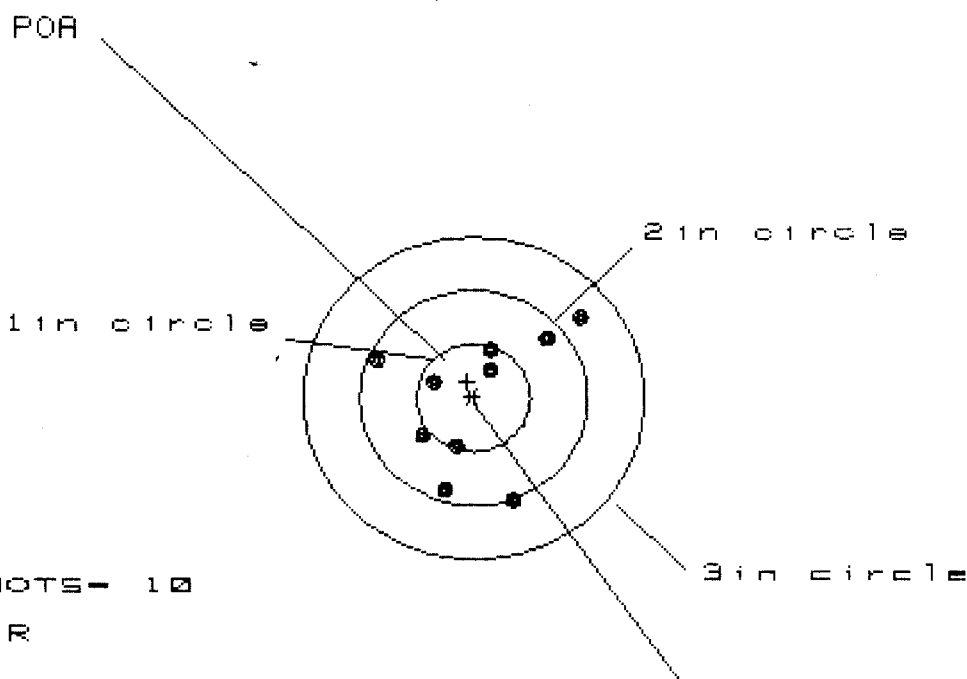
5 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .056
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.043
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0706045
THE AMR FOR THIS RIFLE IS: .8952

21 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522271

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in - 4

2in - 8

3in = 10

HS- 1.845

VS= 1.683

GS= 1.999

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.993	.767	.819
MINIMUM X	:	-.852	-.741	-.689
MAXIMUM Y	:	.726	.675	.566
MINIMUM Y	:	-.957	-.876	-.837
CENTROID X	:	.055	-.056	-.108
CENTROID Y	:	-.152	-.233	-.124
POA TO CENTROID in.	:	.162	.240	.164
MIN RADIUS	:	.265	.354	.261
MEAN RADIUS	:	.709	.635	.579
MAX RADIUS	:	1.231	1.022	.996
HORIZONTAL SPREAD	:	1.845	1.508	1.508
VERTICAL SPREAD	:	1.683	1.551	1.403
EXTREME SPREAD	:	1.999	1.752	1.691
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	10		

21 Aug 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522271

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 6

2in = 9

3in = 9

HS= 1.565

VS= 2.399

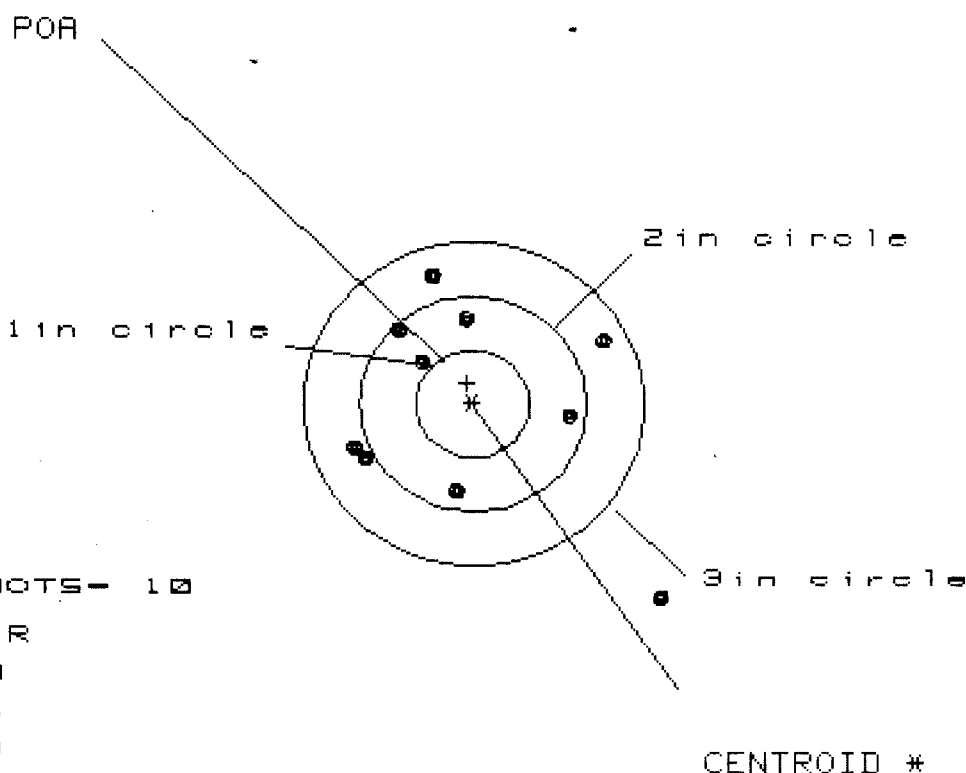
GS= 2.703

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.888	.519	.359
MINIMUM X	:	-.677	-.579	-.514
MAXIMUM Y	:	.741	.556	.580
MINIMUM Y	:	-1.658	-.443	-.373
CENTROID X	:	.081	-.017	-.082
CENTROID Y	:	-.061	.124	.054
POA TO CENTROID in.	:	.101	.125	.098
MIN RADIUS	:	.119	.128	.113
MEAN RADIUS	:	.584	.414	.366
MAX RADIUS	:	1.881	.761	.643
HORIZONTAL SPREAD	:	1.565	1.098	.873
VERTICAL SPREAD	:	2.399	.999	.953
EXTREME SPREAD	:	2.703	1.484	1.039
NUMBER IN ONE INCH CIRCLE =			6	
NUMBER IN TWO INCH CIRCLE =			9	
NUMBER IN THREE INCH CIRCLE =			9	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 9

HS= 2.759

VS= 2.968

GS= 3.560

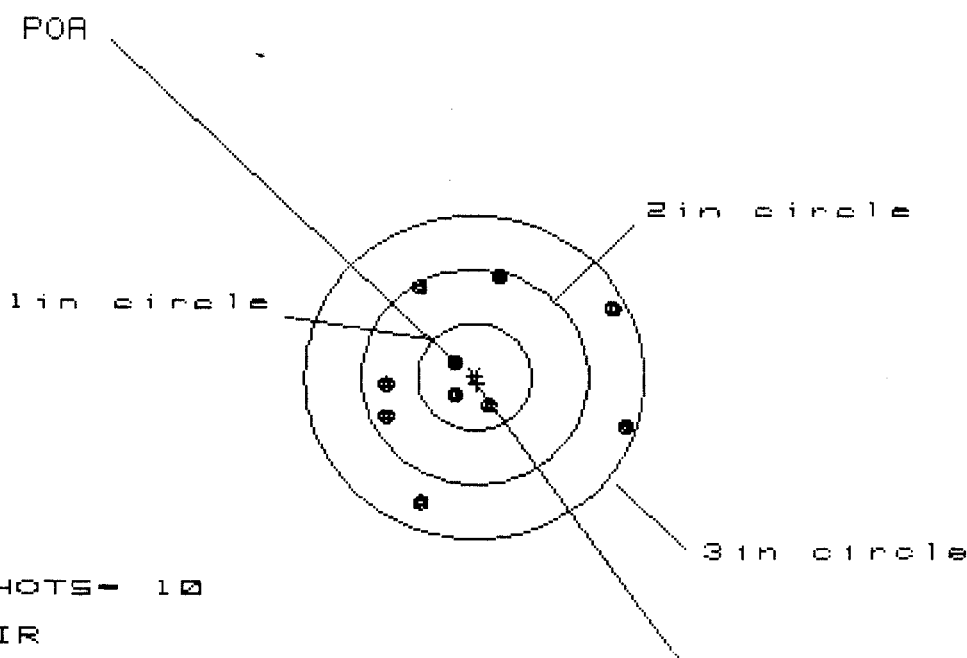
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.661	1.297	1.196
MINIMUM X	:	-1.098	-.914	-.751
MAXIMUM Y	:	1.163	.963	1.012
MINIMUM Y	:	-1.805	-.978	-.929
CENTROID X	:	.052	-.132	-.295
CENTROID Y	:	-.195	.005	-.044
POA TO CENTROID in.	:	.202	.133	.298
MIN RADIUS	:	.594	.327	.250
MEAN RADIUS	:	1.117	.908	.830
MAX RADIUS	:	2.453	1.356	1.228
HORIZONTAL SPREAD	:	2.759	2.211	1.947
VERTICAL SPREAD	:	2.968	1.941	1.941
EXTREME SPREAD	:	3.560	2.444	1.973
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in - 3

2 in - 7

3 in = 10

HS= 2.034

VS= 2.127

GS= 2.487

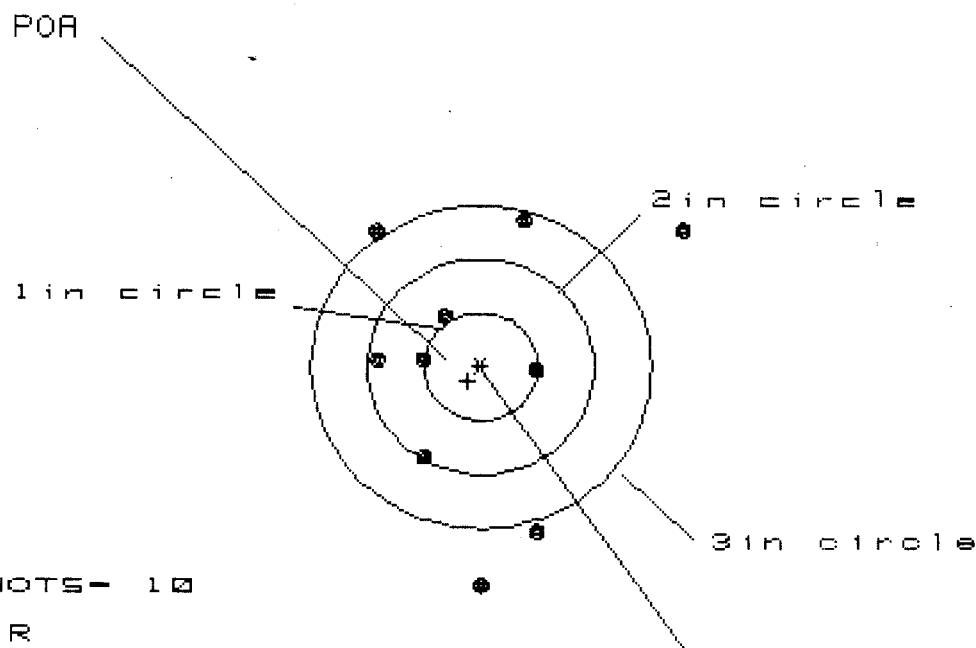
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.293	1.430	.502
MINIMUM X	:	-.741	-.604	-.425
MAXIMUM Y	:	.933	.999	.955
MINIMUM Y	:	-1.194	-1.128	-1.172
CENTROID X	:	-.023	-.160	-.339
CENTROID Y	:	.060	-.006	.038
POA TO CENTROID in.	:	.065	.160	.341
MIN RADIUS	:	.242	.126	.166
MEAN RADIUS	:	.833	.737	.631
MAX RADIUS	:	1.375	1.474	1.184
HORIZONTAL SPREAD	:	2.034	2.034	.927
VERTICAL SPREAD	:	2.127	2.127	2.127
EXTREME SPREAD	:	2.487	2.230	2.230
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 6

HS= 2.696

VS= 3.455

GS= 3.771

CENTROID *

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.770	.672	.697
MINIMUM X	:	-.926	-.729	-.704
MAXIMUM Y	:	1.379	1.519	1.276
MINIMUM Y	:	-2.076	-1.936	-1.645
CENTROID X	:	.115	-.082	-.107
CENTROID Y	:	.133	-.007	.236
POA TO CENTROID in.	:	.175	.082	.259
MIN RADIUS	:	.461	.392	.299
MEAN RADIUS	:	1.233	1.104	.958
MAX RADIUS	:	2.169	1.946	1.786
HORIZONTAL SPREAD	:	2.696	1.401	1.401
VERTICAL SPREAD	:	3.455	3.455	2.921
EXTREME SPREAD	:	3.771	3.492	3.160
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	6		