

C6522271

MODEL 700™ M24

Model **SMS**

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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.

01



5716 C6522271

UPC



0 47700 25716 7

M-24

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	RU

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			8/10/90	RL
	G) Safety Off Force	3	3	3			8/10/90	RL
	H) Trigger Pull Test & Retainability						8/18/90	RL
	I) Firing Pin Indent	.023	.0235	.023			8/10/90	RL
	J) Assemble Stock						8/21/90	RW
	K) Assemble Swivel Studs						8/24/90	JS
	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	RL
	A) Time						8/21/90	RL
	B) Malfunctions						8/21/90	RL
	C) Pierced Primers						8/21/90	RL
	D) Optical Clarity of Scope						8/21/90	RL
645	Inspect for Live Ammo						8/21/90	RL
655	Final Inspection							
	A) Headspace						8/24/90	JS
	B) Trigger Pull	2.08	2.15	2.20	2.15	2.16	8/22/90	RL
	C) Function						8/24/90	JS
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. C6522271DATE 8/18/90TESTER JLL

	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	4.37		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

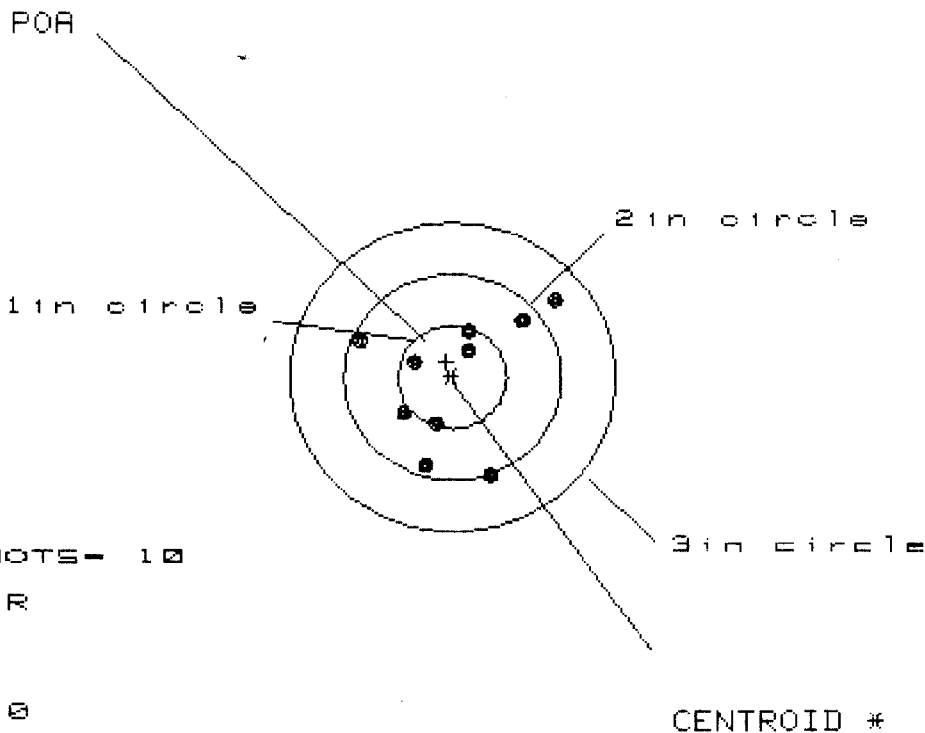
5 <----POA

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 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522271

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in - 4

2 in - 8

3 in = 10

HS= 1.845

VS= 1.683

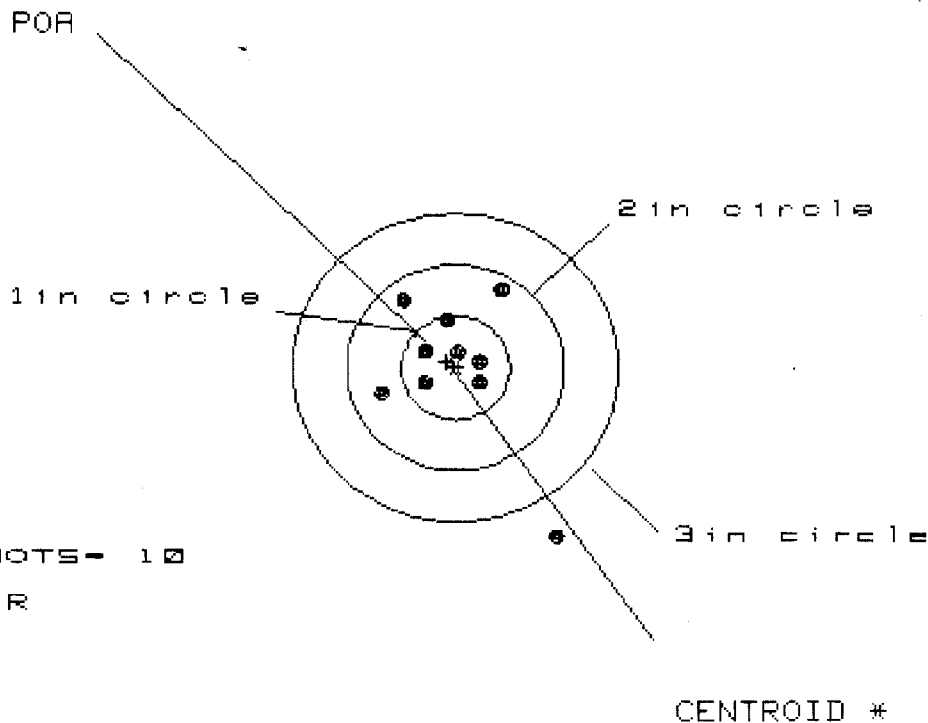
GS= 1.999

PATTERN #	:	1	2	3
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		

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CENTERFIRE PATTERNS # 2



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

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 0

2in = 5

3in = 9

HS = 2.759

VS = 2.968

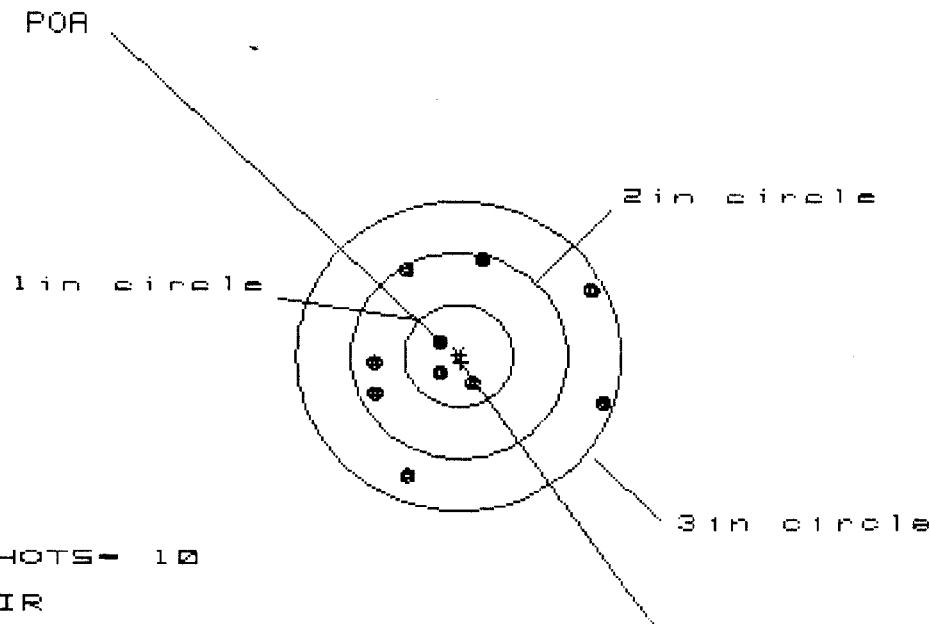
GS = 3.560

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

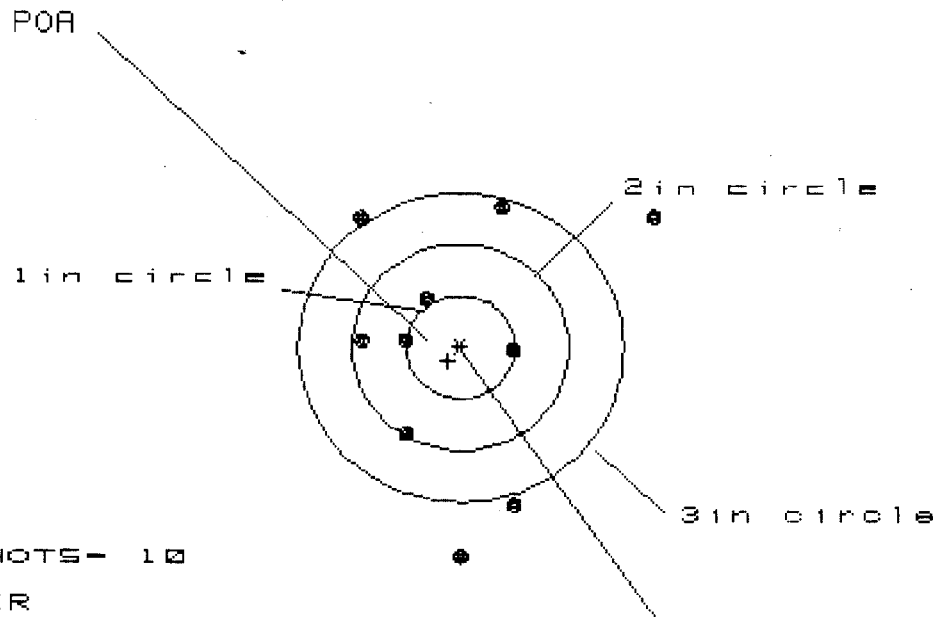
CENTROID *

PATTERN #	4	4	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

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		