

C6649098

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smead

Remington
MODEL 700™ M24

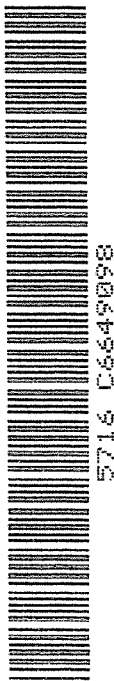
VERY IMPORTANT!
Instruction Book
enclosed to assure
safe use of this
firearm.

DUPONT
REG. U.S. PAT. & TM. OFF.

SERIAL NO.
C6649098

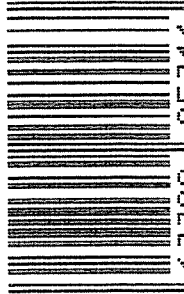
ORDER NO.
5716

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



5716 C6649098

UPC



0 4700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649098

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 2	9 1	RW
600	Proof	7 2	9 1	RW
607	Check Headspace	7 2	9 1	RW
610	Dis-assemble Gun	7 2	9 1	RW
612	Magnaflux Barrel Action		JUL 22 1991	JS
	Magnaflux Bolt		JUL 22 1991	JS
615	Rollmark Caliber		JUL 22 1991	JS
617	Drill and Tap Sight Holes		JUL 22 1991	FB
618	Polish Barrel		7/22/91	WB
620	Apply Coatings (Barrel Action)		8/23/91	JS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/28/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/28/91	RW
	C) Inspect Ejector Hole for Chamfer		8/28/91	RW
	D) Oil Firing Pin Ass'y		8/28/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/29/91	JS

op. #	BARBER - M24 0031638 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5 1/2			8-29-91	DH
	G) Safety Off Force	3	3	2 1/2			8-29-91	DH
	H) Trigger Pull Test & Retainability						8/29/91	SH
	I) Firing Pin Indent	.024	.024	.023			8-29-91	DH
	J) Assemble Stock						8/30/91	RW
	K) Assemble Swivel Studs						8-31-91	DH
	L) Attach Front and Rear Sight Assemblies						8/30/91	RW
	M) Iron Sight Alignment						8/30/91	RW
	N) Detach Front & Rear Sights & place in numbered container						8/30/91	RW
	O) Attach Scope to Rifle						8/30/91	RW
	P) Detach & Attach Scope 20 Times						8/30/91	RW
640	Gallery Target & Test						8/30/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						8/30/91	KT
655	Final Inspection							
	A) Headspace						8-31-91	DH
	B) Trigger Pull	2.41	2.51	2.39	2.53	2.55	8-31-91	DH
	C) Function						8-31-91	DH
660	Pack						9-1-91	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50#+ .50#
3.00#+ .75#
4.00#+1.00#

SERIAL NO. C-6649098DATE 8/29/91TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.54	2.44	2.58	2.41	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.58	2.59	2.56	2.51	
PULL #3	2.53	2.53	2.60	2.39	
PULL #4	2.59	2.60	2.57	2.53	
PULL #5	2.51	2.56	2.53	2.55	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.32	3.59		
PULL #2	3.31	3.34		
PULL #3	3.35	3.56		
PULL #4	3.38	3.52		
PULL #5	3.45	3.35		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.31	4.22		4.26
PULL #2	4.22	4.30		4.45
PULL #3	4.50	4.25		4.35
PULL #4	4.20	4.21		4.21
PULL #5	4.60	4.36		4.29
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649098
30 Aug 1991

CENTROIDAL DISTANCES

0 TO 1	.27119
1 TO 2	.316191
1 TO 3	.237023
1 TO 4	.54685
1 TO 5	.161623

$\frac{2.4}{79}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0068
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0576
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .058
THE AMR FOR THIS RIFLE IS: .9588

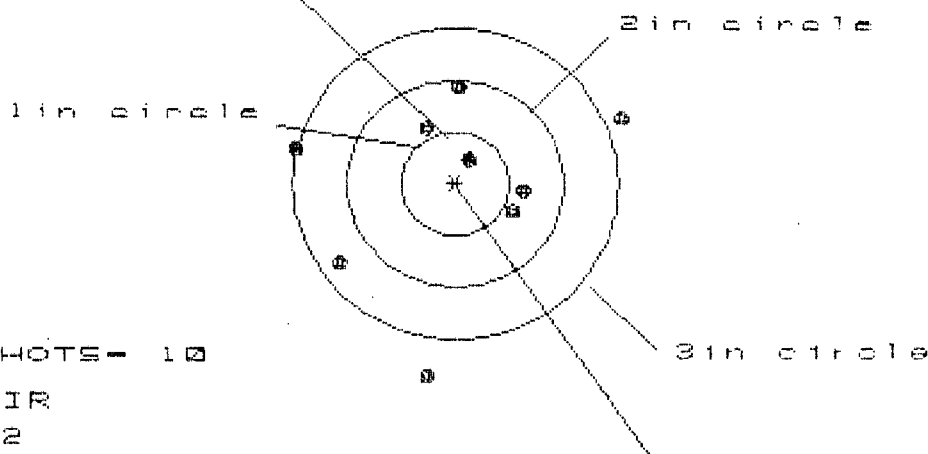
30 Aug 1991

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CENTERFIRE PATTERNS

1

POA



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 6

3 in = 7

HS = 2.961

VS = 2.842

GS = 3.048

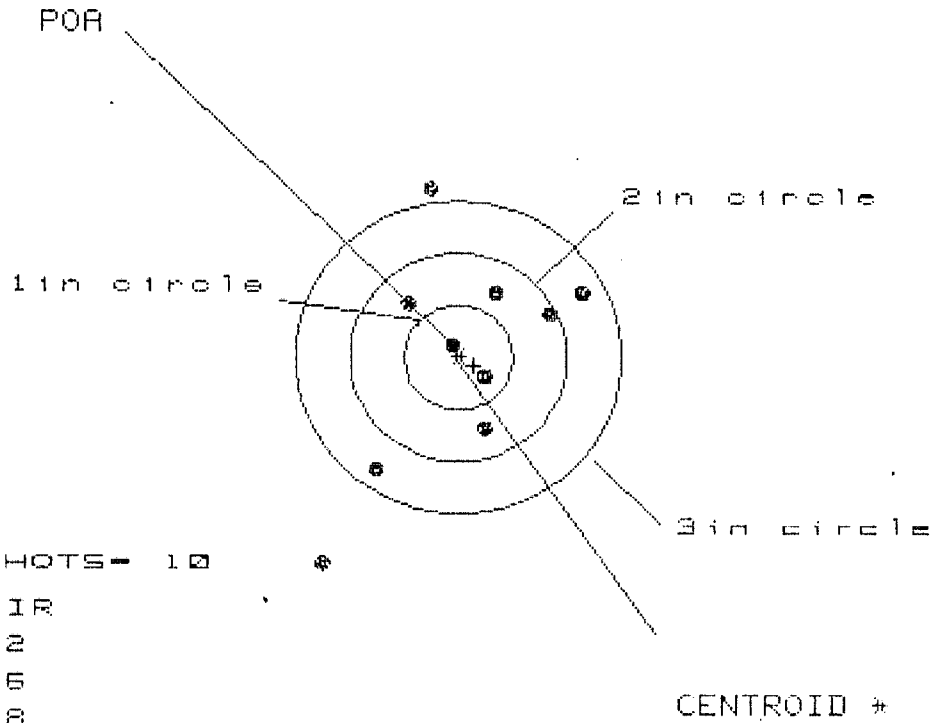
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.490	1.464	.812
MINIMUM X	-1.471	-1.497	-1.314
MAXIMUM Y	.975	.768	.823
MINIMUM Y	-1.867	-.939	-.884
CENTROID X	-.130	-.104	-.287
CENTROID Y	-.238	-.031	-.086
POA TO CENTROID in.	.271	.108	.299
MIN RADIUS	.266	.107	.295
MEAN RADIUS	.972	.814	.767
MAX RADIUS	1.881	1.528	1.324
HORIZONTAL SPREAD	2.961	2.961	2.126
VERTICAL SPREAD	2.842	1.707	1.707
EXTREME SPREAD	3.048	2.979	2.158
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		

30 Aug 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 8

HS = 2.357

VS = 3.631

GS = 3.774

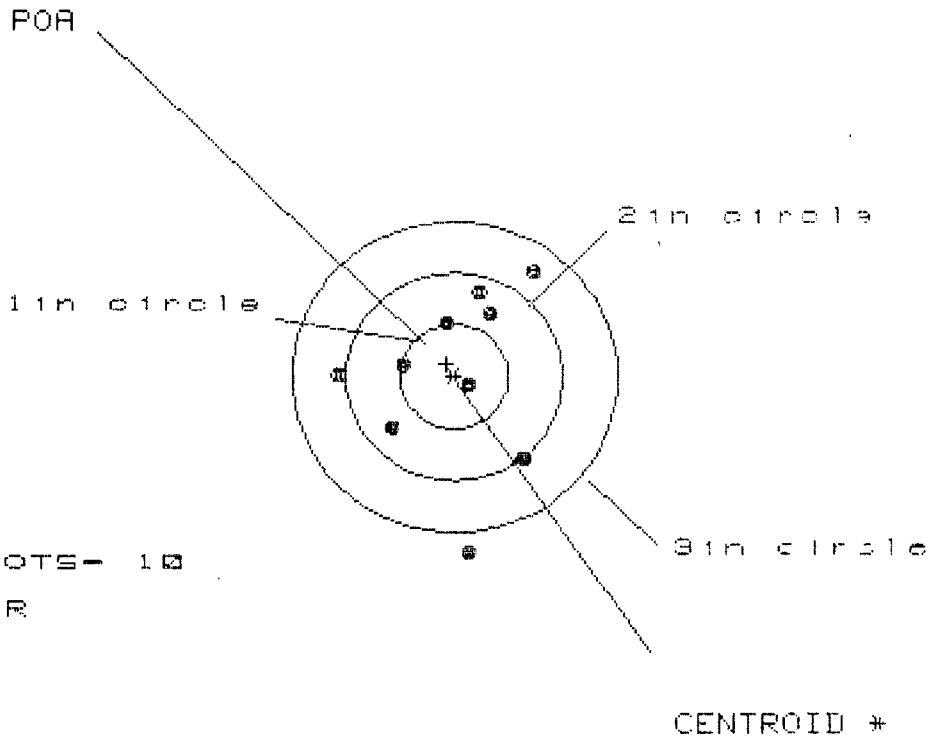
CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.109	.970	.925
MINIMUM X	-1.248	-.887	-.932
MAXIMUM Y	1.617	1.393	.599
MINIMUM Y	-2.014	-1.349	-1.174
CENTROID X	-.141	-.002	.043
CENTROID Y	.078	.302	.128
POA TO CENTROID in.	.161	.302	.134
MIN RADIUS	.128	.215	.195
MEAN RADIUS	1.005	.821	.735
MAX RADIUS	2.369	1.614	1.499
HORIZONTAL SPREAD	2.357	1.857	1.857
VERTICAL SPREAD	3.631	2.742	1.773
EXTREME SPREAD	3.774	2.793	2.567
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

30 Aug 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

IS = 1.884

VS = 2.661

GS = 2.739

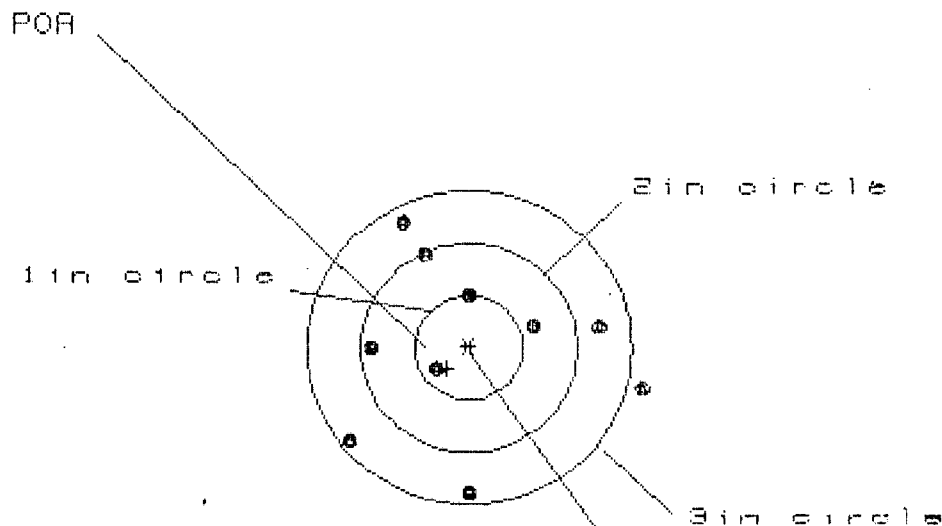
PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.768	.781	.756
MINIMUM X	-1.116	-1.103	-1.005
MAXIMUM Y	.976	.789	.701
MINIMUM Y	-1.685	-.961	-.863
CENTROID X	.072	.059	-.039
CENTROID Y	-.114	.073	-.025
POA TO CENTROID in.	.135	.094	.046
MIN RADIUS	.113	.263	.253
MEAN RADIUS	.842	.723	.672
MAX RADIUS	1.689	1.165	1.147
HORIZONTAL SPREAD	1.884	1.884	1.761
VERTICAL SPREAD	2.661	1.750	1.564
EXTREME SPREAD	2.739	2.094	1.950
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 9

HS= 2.711

VS= 2.609

GS= 2.759

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.588	1.324	1.206
MINIMUM X	:	-1.123	-.946	-.860
MAXIMUM Y	:	1.199	1.152	1.030
MINIMUM Y	:	-1.410	-1.457	-1.579
CENTROID X	:	.204	.027	.145
CENTROID Y	:	.195	.242	.364
POA TO CENTROID in.	:	.282	.243	.392
MIN RADIUS	:	.343	.285	.333
MEAN RADIUS	:	1.034	.948	.878
MAX RADIUS	:	1.643	1.462	1.579
HORIZONTAL SPREAD	:	2.711	2.270	2.066
VERTICAL SPREAD	:	2.609	2.609	2.609
EXTREME SPREAD	:	2.759	2.659	2.659
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS = 2.489

VS = 2.569

GS = 2.665

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.270	1.152	1.087
MINIMUM X	-1.218	-1.337	-1.402
MAXIMUM Y	1.357	1.231	.503
MINIMUM Y	-1.212	-1.338	-1.184
CENTROID X	.029	.147	.212
CENTROID Y	-.209	-.083	-.237
POA TO CENTROID in.	.211	.169	.318
MIN RADIUS	.186	.058	.204
MEAN RADIUS	.941	.815	.773
MAX RADIUS	1.555	1.489	1.420
HORIZONTAL SPREAD	2.489	2.489	2.489
VERTICAL SPREAD	2.569	2.569	1.687
EXTREME SPREAD	2.665	2.572	2.521
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		