

C6225189

MODEL 700™ N24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Smead®

Remington®

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

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.

SERIAL NO.
C6225189

ORDER NO.
5716

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6225/89

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 25 89		RW
600	Proof	1 25 89		RW
607	Check Headspace	1 25 89		RW
610	Dis-assemble Gun	1 25 89		RW
612	Magnaflux Barrel Action		1-27-89	PR.
	Magnaflux Bolt		1-27-89	KCK
615	Rollmark Caliber			
617	Drill and Tap Sight Holes	2 1 89		FB
618	Polish Barrel	2 1 89		BT
620	Apply Coatings (Barrel Action)		2-10-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		2/21/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/21/89	RW
	C) Inspect Ejector Hole for Chamfer		2/21/89	RW
	D) Oil Firing Pin Ass'y		2/21/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/21/89	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			23 Feb 89	JS
	G) Safety Off Force	3	3	3			23 Feb 89	JS
	H) Trigger Pull Test & Retainability						23 Feb 89	JS
	I) Firing Pin Indent	.022	.021	.021			23 Feb 89	JS
	J) Assemble Stock						2/23/89	JS
	K) Assemble Swivel Studs						24 Feb 89	JS
	L) Attach Front and Rear Sight Assemblies						2/23/89	JS
	M) Iron Sight Alignment						2/23/89	JS
	N) Detach Front & Rear Sights & place in numbered container						2/23/89	JS
	O) Attach Scope to Rifle						23 Feb 89	JS
	P) Detach & Attach Scope 20 Times						23 Feb 89	JS
640	Gallery Target & Test	46	1056				2/24/89	JS
	A) Time						2/24/89	JS
	B) Malfunctions						2/24/89	JS
	C) Pierced Primers						2/24/89	JS
	D) Optical Clarity of Scope						2/24/89	JS
645	Inspect for Live Ammo						2/24/89	JS
655	Final Inspection							
	A) Headspace						24 Feb 89	JS
	B) Trigger Pull	2.67	2.52	2.47	2.44	2.45	24 Feb 89	JS
	C) Function						24 Feb 89	JS
660	Pack						22 Mar 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 6225189

DATE 4-4-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.49		2.35	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.20	2.23		2.36	
PULL #3	2.42	2.38		2.38	
PULL #4	2.26	2.41		2.38	
PULL #5	2.56	2.36		2.41	
TOTAL	11.88	11.87		12.88	
AVG.	2.376	2.374		2.576	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.38	3.49		
PULL #2	3.25	3.42		
PULL #3	3.18	3.42		
PULL #4	3.54	3.47		
PULL #5	3.42	3.47		
TOTAL	16.77	17.27		
AVG.	3.354	3.454		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.16		
PULL #2	4.24	4.21		
PULL #3	4.20	4.25		
PULL #4	4.25	4.27		
PULL #5	4.30	4.24		
TOTAL	21.28	21.13		
AVG.	4.256	4.226		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225189
24 Feb 1989

CENTROIDAL DISTANCES

0 TO	1	.1778
1 TO	2	.178084
1 TO	3	.263078
1 TO	4	.429671
1 TO	5	.04245

345 <----POA
412

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0416
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0336
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0534745
THE AMR FOR THIS RIFLE IS: .8896

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FILE:/PATTERNING/CENTERFIRE_PATT/C8225189

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 1.789

VS= 2.026

GS= 2.338

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.621	.491	.411
MINIMUM X	:	-1.168	-.643	-.650
MAXIMUM Y	:	1.037	.927	.745
MINIMUM Y	:	-.989	-1.021	-.905
CENTROID X	:	.142	.272	.352
CENTROID Y	:	.107	.217	.101
POA TO CENTROID in.	:	.178	.348	.366
MIN RADIUS	:	.291	.262	.253
MEAN RADIUS	:	.806	.695	.637
MAX RADIUS	:	1.530	1.128	1.037
HORIZONTAL SPREAD	:	1.789	1.134	1.061
VERTICAL SPREAD	:	2.026	1.948	1.650
EXTREME SPREAD	:	2.338	2.166	1.777
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS= 2.404

VS= 2.572

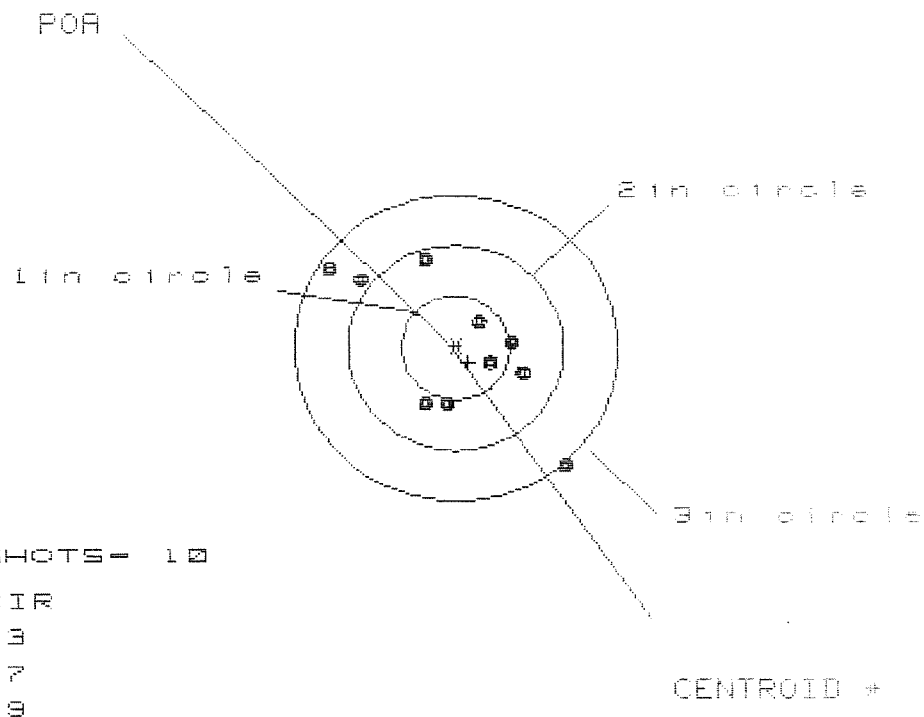
GS= 2.955

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.885	.716	.790
MINIMUM X	:	-1.519	-.867	-.793
MAXIMUM Y	:	1.280	1.323	1.249
MINIMUM Y	:	-1.292	-1.249	-1.084
CENTROID X	:	.209	.378	.304
CENTROID Y	:	-.058	-.101	-.266
POA TO CENTROID in.	:	.217	.391	.404
MIN RADIUS	:	.160	.183	.127
MEAN RADIUS	:	.916	.837	.781
MAX RADIUS	:	1.567	1.521	1.343
HORIZONTAL SPREAD	:	2.404	1.583	1.583
VERTICAL SPREAD	:	2.572	2.572	2.333
EXTREME SPREAD	:	2.955	2.955	2.526
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 2.149

VS= 2.013

GS= 2.839

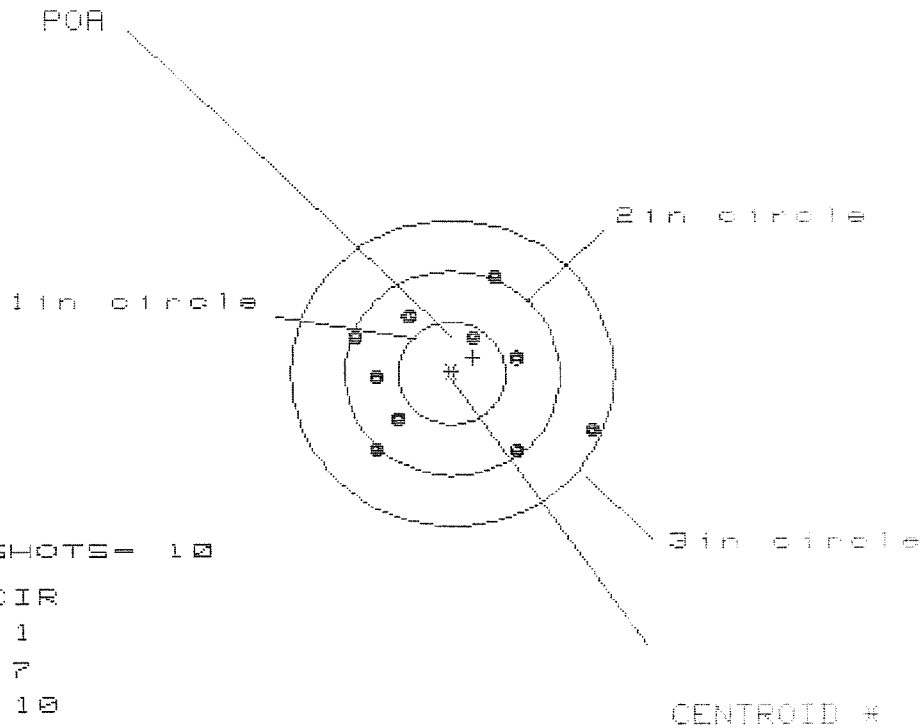
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.989
MINIMUM X	-1.160
MAXIMUM Y	.879
MINIMUM Y	-1.134
CENTROID X	-.119
CENTROID Y	.140
POA TO CENTROID in.	.184
MIN RADIUS	.324
MEAN RADIUS	.798
MAX RADIUS	1.505
HORIZONTAL SPREAD	2.149
VERTICAL SPREAD	2.013
EXTREME SPREAD	2.839
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	9

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in - 1

2in - 7

3in - 10

HS= 2.285

VS= 1.726

GS= 2.484

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.333	.790	.857
MINIMUM X	:	-.952	-.804	-.737
MAXIMUM Y	:	.982	.918	.648
MINIMUM Y	:	-.744	-.808	-.694
CENTROID X	:	-.197	-.345	-.412
CENTROID Y	:	-.157	-.093	-.207
POA TO CENTROID in.	:	.252	.358	.461
MIN RADIUS	:	.409	.467	.438
MEAN RADIUS	:	.864	.778	.734
MAX RADIUS	:	1.454	1.107	1.077
HORIZONTAL SPREAD	:	2.285	1.594	1.594
VERTICAL SPREAD	:	1.726	1.726	1.342
EXTREME SPREAD	:	2.484	2.019	1.932
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 0

2in = 4

3in = 9

HS = 2.461

VS = 2.439

GS = 2.805

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.259	.889	.821
MINIMUM X	-1.202	-1.062	-.951
MAXIMUM Y	1.137	1.021	1.146
MINIMUM Y	-1.302	-1.418	-1.293
CENTROID X	.173	.033	-.078
CENTROID Y	.136	.252	.127
POA TO CENTROID in.	.220	.254	.149
MIN RADIUS	.606	.726	.589
MEAN RADIUS	1.064	.993	.937
MAX RADIUS	1.638	1.419	1.302
HORIZONTAL SPREAD	2.461	1.951	1.772
VERTICAL SPREAD	2.439	2.439	2.439
EXTREME SPREAD	2.805	2.560	2.457
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	