

C5649266

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington.

Remington

Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

SERIAL NO.
 C6649266

ORDER NO.
5716

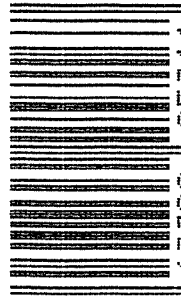
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6649266

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649266

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 27 9 1		RW
600	Proof	6 27 9 1		RW
607	Check Headspace	6 27 9 1		RW
610	Dis-assemble Gun	6 27 9 1		RW
612	Magnaflux Barrel Action		JUL 2 1991	KR
	Magnaflux Bolt		JUL 2 1991	KR
615	Rollmark Caliber		JUL 2 1991	JS.
617	Drill and Tap Sight Holes		JUL 2 1991	EB
618	Polish Barrel		JUL 17 1991	WB
620	Apply Coatings (Barrel Action)		7-22-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/23/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/23/91	RW
	C) Inspect Ejector Hole for Chamfer		7/23/91	RW
	D) Oil Firing Pin Ass'y		7/23/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		7-25-91	H

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	5 $\frac{1}{2}$	6			7-26-91	DH
	G) Safety Off Force	2 $\frac{1}{2}$	2 $\frac{3}{4}$	2 $\frac{3}{4}$			7-26-91	DH
	H) Trigger Pull Test & Retainability						7-25-91	JU
	I) Firing Pin Indent	.022	.021	.022			7-26-91	DH
	J) Assemble Stock						8/1/91	RW
	K) Assemble Swivel Studs						8/3/91	DH
	L) Attach Front and Rear Sight Assemblies						8/1/91	RW
	M) Iron Sight Alignment						8/1/91	RW
	N) Detach Front & Rear Sights & place in numbered container						8/1/91	RW
	O) Attach Scope to Rifle						8/1/91	RW
	P) Detach & Attach Scope 20 Times						8/1/91	RW
640	Gallery Target & Test						8-1-91	DH
	A) Time						8-1-91	DH
	B) Malfunctions						8-1-91	DH
	C) Pierced Primers						8-1-91	DH
	D) Optical Clarity of Scope						8-1-91	DH
645	Inspect for Live Ammo						8-1-91	DH
655	Final Inspection							
	A) Headspace						8-5-91	K
	B) Trigger Pull	2.25	2.33	2.36	2.30	2.24	8-5-91	JU
	C) Function						8-5-91	K
660	Pack						9-17-91	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. C6649266

DATE 7-25-91

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.25	2.26	2.25	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.24	2.30	2.33	
PULL #3	2.27	2.34	2.28	2.36	
PULL #4	2.38	2.35	2.36	2.30	
PULL #5	2.41	2.24	2.34	2.29	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.24	3.51		
PULL #2	3.21	3.53		
PULL #3	3.43	3.51		
PULL #4	3.46	3.55		
PULL #5	3.42	3.60		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.52	4.50		4.48
PULL #2	4.48	4.51		4.52
PULL #3	4.49	4.51		4.50
PULL #4	4.50	4.50		4.49
PULL #5	4.47	4.47		4.49
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649266
1 AUG 1991

CENTROIDAL DISTANCES

0 TO	1	.410682
1 TO	2	.165605
1 TO	3	.289154
1 TO	4	.541502
1 TO	5	.707916

5
45 $\frac{1}{2}$ $\leftarrow$ FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1455
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .246
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .285859
THE AMR FOR THIS RIFLE IS: .9698

1 Aug 1981

FILE: PATTERNING/CENTERFIRE_PATT/C6649268

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 1.822

VS= 2.331

GS= 2.450

PATTERN #

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID in.

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE

NUMBER IN TWO

NUMBER IN THREE

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

10

9

8

.942

.965

.713

-.880

-.857

-.735

1.375

1.039

.962

-.956

-.883

-.880

.372

.349

.228

.174

.021

.098

.411

.358

.248

.142

.264

.152

.827

.779

.693

1.391

1.145

1.133

1.822

1.822

1.449

2.331

1.842

1.842

2.450

1.983

1.978

=

2

=

6

=

10

1 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C66492B6

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

* OF SHOTS = 10

IN CIR

1 in = 4

2 in = 5

3 in = 7

HS = 3.557

VS = 1.730

GS = 3.610

PATTERN #

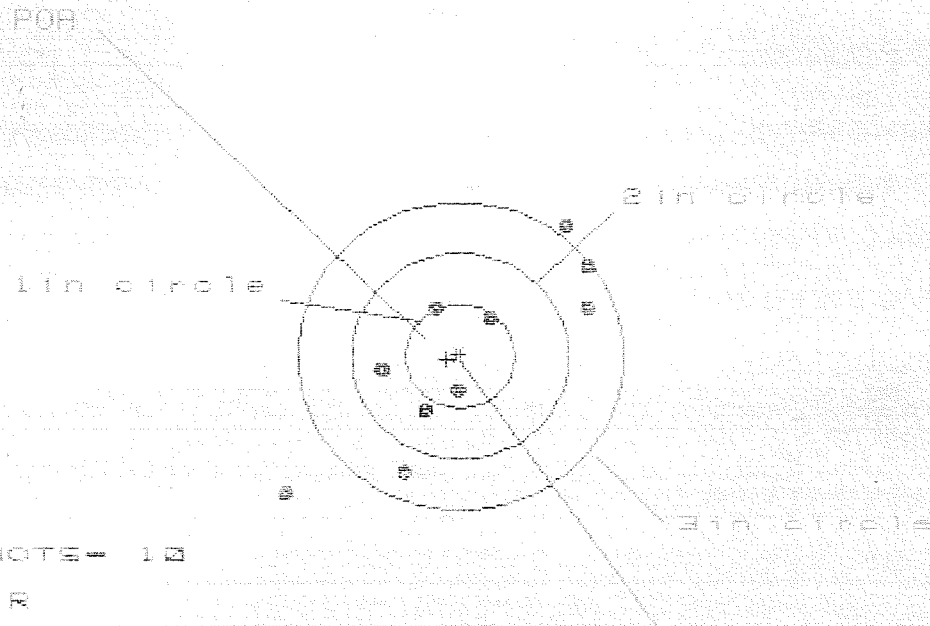
2

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.838	1.502	1.313
MINIMUM X	:	-1.719	-1.515	-1.351
MAXIMUM Y	:	.651	.719	.727
MINIMUM Y	:	-1.079	-1.011	-1.063
CENTROID X	:	.452	.248	.437
CENTROID Y	:	.319	.251	.243
POA TO CENTROID in.	:	.553	.352	.500
MIN RADIUS	:	.227	.369	.177
MEAN RADIUS	:	.985	.907	.769
MAX RADIUS	:	1.938	1.550	1.534
HORIZONTAL SPREAD	:	3.557	3.017	2.664
VERTICAL SPREAD	:	1.730	1.730	1.730
EXTREME SPREAD	:	3.610	3.034	2.685
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

1 Aug 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 8

HSI = 2.8000

VS = 2.596

GS = 3.650

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.201	1.024	1.122
MINIMUM X	:	-1.599	-.938	-.840
MAXIMUM Y	:	1.240	1.089	.814
MINIMUM Y	:	-1.356	-1.298	-1.162
CENTROID X	:	.123	.300	.202
CENTROID Y	:	.027	.178	.041
POB TO CENTROID in.	:	.126	.348	.206
MIN RADIUS	:	.290	.265	.328
MEAN RADIUS	:	1.039	.917	.847
MAX RADIUS	:	2.096	1.487	1.343
HORIZONTAL SPREAD	:	2.800	1.962	1.962
VERTICAL SPREAD	:	2.596	2.387	1.975
EXTREME SPREAD	:	3.650	2.827	2.593
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

1 Aug 1991

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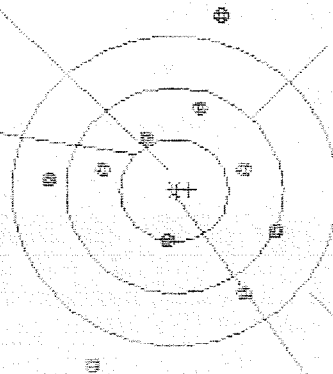
CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle



OF SHOTS = 10

IN OIR

1 in = 0

2 in = 5

3 in = 8

HS = 2.121

VS = 3.322

GS = 3.529

CENTROID *

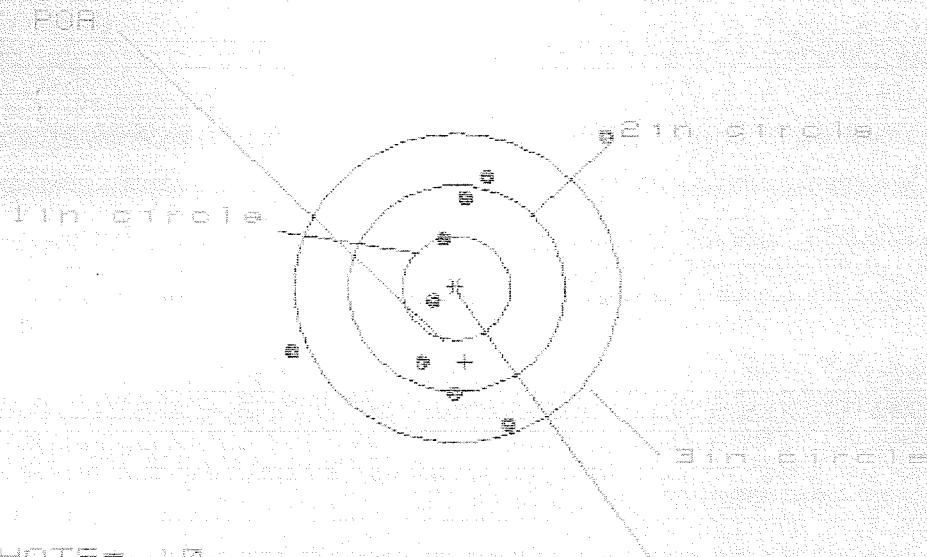
PATTERN # : 4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.943	.861	.908
MINIMUM X	-1.178	-1.260	-1.213
MAXIMUM Y	1.668	1.484	.760
MINIMUM Y	-1.854	-1.164	-1.978
CENTROID X	-.108	-.856	-.103
CENTROID Y	-.008	.176	-.010
POA TO CENTROID in.	.139	.184	.103
MIN RADIUS	.547	.480	.551
MEAN RADIUS	1.016	.909	.827
MAX RADIUS	1.811	1.530	1.223
HORIZONTAL SPREAD	2.121	2.121	2.121
VERTICAL SPREAD	3.322	2.648	1.739
EXTREME SPREAD	3.529	2.655	2.194
NUMBER IN ONE INCH CIRCLE =	0	0	0
NUMBER IN TWO INCH CIRCLE =	5	5	5
NUMBER IN THREE INCH CIRCLE =	8	8	8

1 AUG 1981

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 8

HS = 2.905

VS = 2.786

GS = 3.554

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.407

.649

.431

MINIMUM X

-1.498

-1.341

-.313

MAXIMUM Y

1.443

1.272

1.216

MINIMUM Y

-1.343

-1.182

-1.238

CENTROID X

-.081

-.238

-.070

CENTROID Y

.710

.557

.610

POA TO CENTROID in.

.722

.606

.617

MIN RADIUS

.197

.060

.195

MEAN RADIUS

.982

.823

.771

MAX RADIUS

2.016

1.413

1.328

HORIZONTAL SPREAD

2.905

1.990

.794

VERTICAL SPREAD

2.786

2.454

2.454

EXTREME SPREAD

3.554

2.400

2.462

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

8