

C6636274

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

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

MODEL 700TM H24

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

SERIAL NO.
C6636274

ORDER NO.
5716

20

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

5716 C6636274

UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6636274

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		5/3/91	K.S.
600	Proof		5/3/91	K.S.
607	Check Headspace		5/3/91	K.S.
610	Dis-assemble Gun		5/3/91	K.S.
612	Magnaflux Barrel Action	5 8 9 1		KCR
	Magnaflux Bolt	5 8 9 1		KCR
615	Rollmark Caliber	5 8 9 1		GL
617	Drill and Tap Sight Holes	5 15 9 1		FB
618	Polish Barrel	5 15 9 1		WB
620	Apply Coatings (Barrel Action)		5/3/91	DA
	Apply Coating (Bolt)		5/3/91	DA
625	Final Assembly A) Clean inside of Bolt Assembly		5/30/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/31/91	KS
	C) Inspect Ejector Hole for Chamfer		5/31/91	KS
	D) Oil Firing Pin Ass'y		5/30/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		6/3/91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			6/3/91	JK
	G) Safety Off Force	3	3	3			6/3/91	JK
	H) Trigger Pull Test & Retainability						6/3/91	JK
	I) Firing Pin Indent	.022	.023	.023			6/3/91	JK
	J) Assemble Stock						6/3/91	KS
	K) Assemble Swivel Studs						6-8-91	D/H
	L) Attach Front and Rear Sight Assemblies						4/3/91	KS
	M) Iron Sight Alignment						4/3/91	KS
	N) Detach Front & Rear Sights & place in numbered container						6/3/91	KS
	O) Attach Scope to Rifle						4/3/91	KS
	P) Detach & Attach Scope 20 Times						4/3/91	KS
640	Gallery Target & Test						6-5-91	D/H
	A) Time						6-5-91	D/H
	B) Malfunctions						6-5-91	D/H
	C) Pierced Primers						6-5-91	D/H
	D) Optical Clarity of Scope						6-5-91	D/H
645	Inspect for Live Ammo						6-5-91	D/H
655	Final Inspection							
	A) Headspace						6-8-91	D/H
	B) Trigger Pull	2.40	2.39	2.35	2.33	2.40	6-8-91	JK
	C) Function						6-8-91	D/H
660	Pack						6-20-91	VF

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

SERIAL NO. C6636274DATE 6/3/91TESTER JLP.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.65	2.22	2.44	2.40	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.65	2.55	2.25	2.39	
PULL #3	2.29	2.62	2.35	2.35	
PULL #4	2.41	2.25	2.38	2.33	
PULL #5	2.61	2.24	2.29	2.40	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.39		
PULL #2	3.41	3.45		
PULL #3	3.45	3.41		
PULL #4	3.40	3.44		
PULL #5	3.44	3.45		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.57	4.16		4.29
PULL #2	4.61	4.19		4.22
PULL #3	4.61	4.33		4.26
PULL #4	4.61	4.29		4.27
PULL #5	4.60	4.32		4.30
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06636274
5 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.330723
1 TO	2	.184491
1 TO	3	.438719
1 TO	4	.983955
1 TO	5	.212229

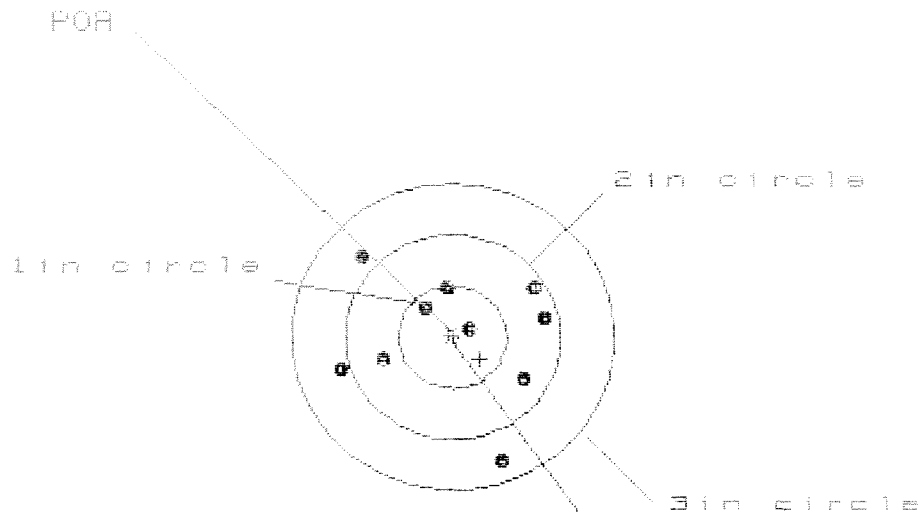
3
24 <----POA
4

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1534
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0166
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .154296
THE AMR FOR THIS RIFLE IS: .8682

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8836274

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in - 3

2in - 7

3in - 10

HS- 1.968

VS- 2.028

GS- 2.450

CENTROID *

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.899

.954

.851

MINIMUM X

-1.069

-1.014

-1.117

MAXIMUM Y

.770

.630

.462

MINIMUM Y

-1.258

-.590

-.511

CENTROID X

-.253

-.308

-.205

CENTROID Y

.213

.353

.274

POA TO CENTROID in.

.331

.468

.342

MIN RADIUS

.175

.232

.116

MEAN RADIUS

.796

.714

.665

MAX RADIUS

1.352

1.123

1.188

HORIZONTAL SPREAD

1.968

1.968

1.968

VERTICAL SPREAD

2.028

1.220

.973

EXTREME SPREAD

2.450

2.036

2.036

NUMBER IN ONE

INCH CIRCLE

=

3

NUMBER IN TWO

INCH CIRCLE

=

7

NUMBER IN THREE

INCH CIRCLE

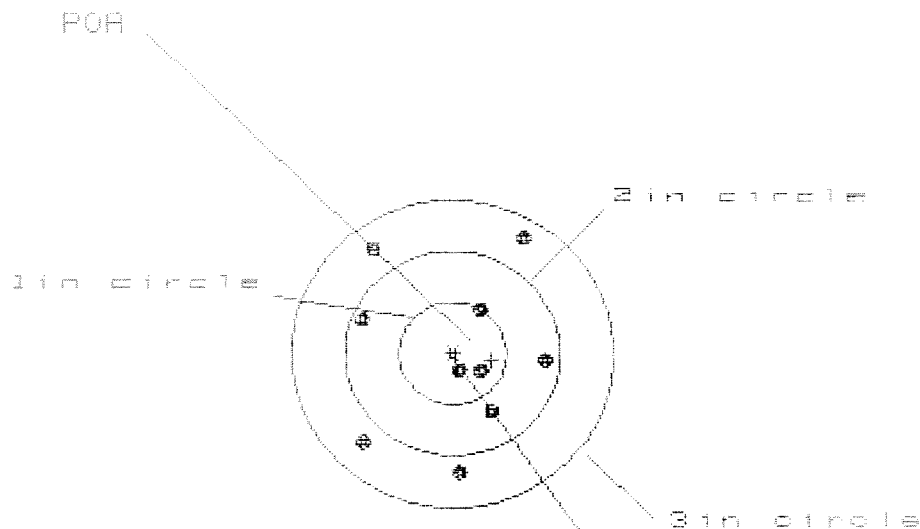
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10

5 Jun 1981

FILE:/PATTERNING/CENTERFIRE_PATT/08888274

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 1.642

VS= 2.238

GS= 2.451

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.817	.736	.882
MINIMUM X	-.825	-.986	-.848
MAXIMUM Y	1.115	1.234	.748
MINIMUM Y	-1.123	-1.004	-.849
CENTROID X	-.359	-.278	-.344
CENTROID Y	.062	-.057	-.212
POA TO CENTROID in.	.364	.284	.404
MIN RADIUS	.210	.095	.073
MEAN RADIUS	.831	.742	.665
MAX RADIUS	1.302	1.344	1.054
HORIZONTAL SPREAD	1.642	1.642	1.642
VERTICAL SPREAD	2.238	2.238	1.597
EXTREME SPREAD	2.451	2.451	1.805
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	10	

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06696274

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 9

HS = 1.890

VS = 2.403

GS = 2.806

CENTROID *

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.831	.719	.654
MINIMUM X	-1.059	-.967	-1.032
MAXIMUM Y	1.380	.776	.667
MINIMUM Y	-1.023	-.870	-.419
CENTROID X	.104	.012	.077
CENTROID Y	.468	.315	.424
POA TO CENTROID in.	.480	.315	.431
MIN RADIUS	.142	.210	.143
MEAN RADIUS	.756	.650	.592
MAX RADIUS	1.610	1.016	1.049
HORIZONTAL SPREAD	1.890	1.686	1.686
VERTICAL SPREAD	2.403	1.646	1.086
EXTREME SPREAD	2.806	1.792	1.792
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08696274

CENTERFIRE PATTERNS # 4

POR

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 0

2in = 4

3in = 7

HS = 2.614

VS = 3.364

GS = 3.365

CENTROID *

PATTERN #

:

4

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.045

1.038

.841

MINIMUM X

:

-1.569

-1.576

-.682

MAXIMUM Y

:

1.780

1.002

.971

MINIMUM Y

:

-1.584

-1.386

-1.417

CENTROID X

:

-.191

-.184

.013

CENTROID Y

:

-.769

-.967

-.936

POR TO CENTROID in.

:

.793

.984

.936

MIN RADIUS

:

.567

.592

.767

MEAN RADIUS

:

1.145

1.076

1.005

MAX RADIUS

:

1.781

1.596

1.429

HORIZONTAL SPREAD

:

2.614

2.614

1.523

VERTICAL SPREAD

:

3.364

2.388

2.388

EXTREME SPREAD

:

3.365

2.720

2.391

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

4

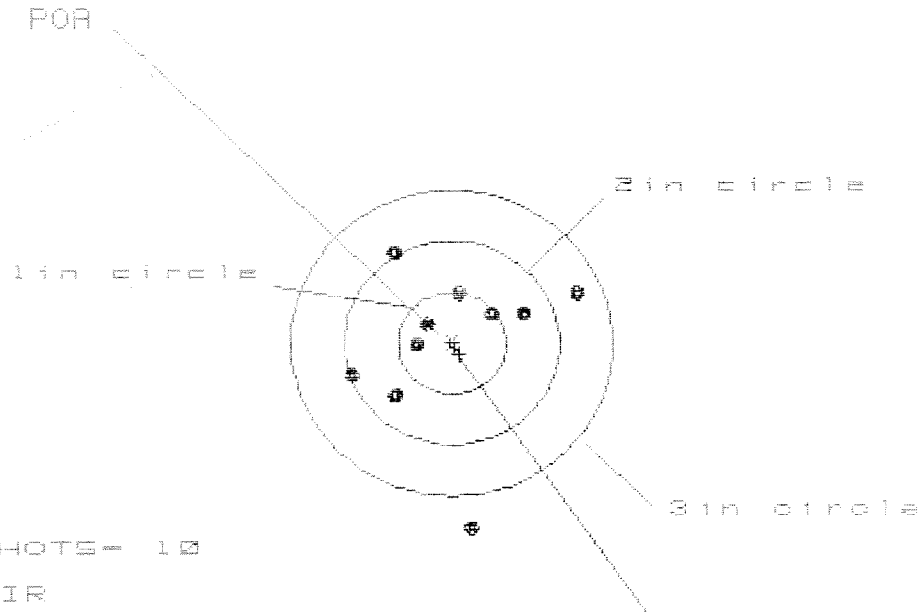
NUMBER IN THREE INCH CIRCLE =

7

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636274

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS = 2.084

VS = 2.720

GS = 2.824

CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.175	1.199	.853
MINIMUM X	-.909	-.885	-.735
MAXIMUM Y	.909	.708	.749
MINIMUM Y	-1.811	-.714	-.673
CENTROID X	-.068	-.092	-.242
CENTROID Y	.109	.310	.269
POA TO CENTROID in.	.128	.323	.362
MIN RADIUS	.282	.203	.053
MEAN RADIUS	.813	.663	.559
MAX RADIUS	1.824	1.242	.897
HORIZONTAL SPREAD	2.084	2.084	1.598
VERTICAL SPREAD	2.720	1.422	1.422
EXTREME SPREAD	2.824	2.261	1.707
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		