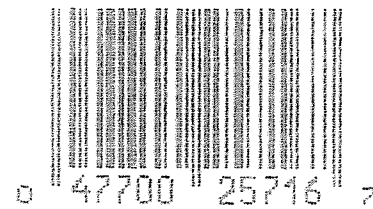


BARBER - M24 0103714

SMITH
S&W
CO.

1000

UPC



06665891

CONFIDENTIAL
INCLUDES 1 IN CHAMBER

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0103714 M2400103753

MODEL 700 TM M24

Remington



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

MODEL 700 TM M24

SERIAL NO.
C6665891

ORDER NO.
5716

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



5716 C6665891

ORDER 5716
MODEL 700 TM M24
UPC



0 47700 25716 7

ORDER 5716
MODEL 700 TM M24
UPC



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6665891

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		9/23/91	KL
600	Proof		9/23/91	KL
607	Check Headspace		9/23/91	KL
610	Dis-assemble Gun		9/23/91	KL
612	Magnaflux Barrel Action		SEP 30 1991	KR
	Magnaflux Bolt		SEP 30 1991	KR
615	Rollmark Caliber		SEP 30 1991	KL
617	Drill and Tap Sight Holes		SEP 30 1991	FB
618	Polish Barrel		OCT 2 1991	WB
620	Apply Coatings (Barrel Action)		11-8-91	KL
	Apply Coating (Bolt)		11-8-91	KL
625	Final Assembly A) Clean inside of Bolt Assembly		10/9/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/9/91	KL
	C) Inspect Ejector Hole for Chamfer		10/9/91	KL
	D) Oil Firing Pin Ass'y		10/9/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		10-10-91	DH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	6			10-10-91	AC
	G) Safety Off Force	4	4	4			10-10-91	AC
	H) Trigger Pull Test & Retainability						10-10-91	D/H
	I) Firing Pin Indent	.020	.021	.021			10-10-91	AC
	J) Assemble Stock						10/14/91	KH
	K) Assemble Swivel Studs						10-17-91	AC
	L) Attach Front and Rear Sight Assemblies						10/14/91	KH
	M) Iron Sight Alignment						10/14/91	KH
	N) Detach Front & Rear Sights & place in numbered container						10/14/91	KH
	O) Attach Scope to Rifle						10/14/91	KH
	P) Detach & Attach Scope 20 Times						10/14/91	KH
640	Gallery Target & Test						10-15-91	N
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						10-15-91	NF
655	Final Inspection							
	A) Headspace						10-17-91	AC
	B) Trigger Pull	243	247	247	259	213	10-16-91	D/H
	C) Function						10-17-91	AC
660	Pack						12-17-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6665891

DATE 10-10-91

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.39	2.32	2.43	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.48	2.42	2.47	
PULL #3	2.34	2.49	2.67	2.47	
PULL #4	2.34	2.48	2.72	2.59	
PULL #5	2.48	2.38	2.65	2.13	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.15		
PULL #2	3.34	3.07		
PULL #3	3.20	3.03		
PULL #4	3.03	3.07		
PULL #5	3.17	3.10		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.51	4.63		4.61
PULL #2	4.51	4.64		4.57
PULL #3	4.59	4.70		4.51
PULL #4	4.70	4.60		4.11
PULL #5	4.56	4.53		4.69
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6665891
15 Oct 1991

CENTROIDAL DISTANCES

0 TO	1	.439739
1 TO	2	.632267
1 TO	3	.144669
1 TO	4	.385156
1 TO	5	.313818

at 4 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3154
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0144
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .315729
THE AMR FOR THIS RIFLE IS: 1.097

15 Oct 1991

FILE: PATTERNING/CENTERFIRE_PATT/C866508Y

CENTERFIRE PATTERN # 1

FOR

1 in circle

2 in circle

3 in circle

CENTROID

OF SHOTS = 10

IN DIA

1 in = 2

2 in = 4

3 in = 8

10 = 8.422

X0 = 0.000

Y0 = 0.000

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

4.048

1.474

1.275

MINIMUM X

-2.075

-1.592

-1.224

MAXIMUM Y

1.883

1.885

1.543

MINIMUM Y

-2.023

-2.101

-1.788

CENTROID X

.421

-.062

.157

CENTROID Y

-.127

-.049

.213

FOR TO CENTROID IN.

.434

.079

.283

MIN RANGE

.099

.107

.238

REP RANGE

1.516

1.141

.419

MAX RANGE

4.404

2.625

1.691

FOR CONTROL (X0=0)

5.423

3.066

2.764

FOR CONTROL (Y0=0)

3.956

3.906

2.731

FOR CONTROL (X0=0)

3.706

4.474

0.817

MAX RANGE FOR 1 IN CIRCLE

2

MAX RANGE FOR 2 IN CIRCLE

4

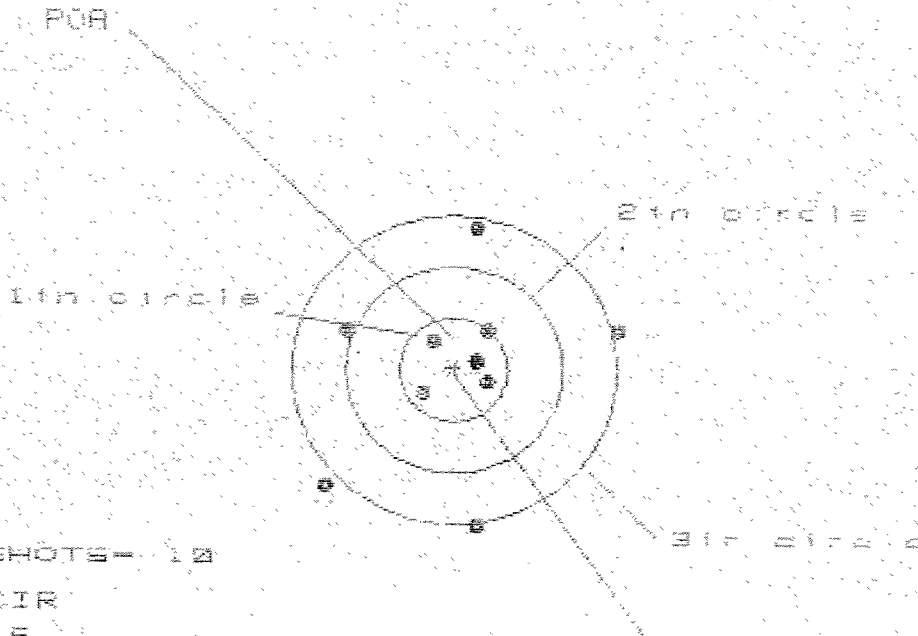
MAX RANGE FOR 3 IN CIRCLE

5

15 Oct 1991

FILE: PATTERNING\CENTERFIRE_PATT\CS665081

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1st = 5

2nd = 5

3rd = 7

XB= 2.864

YB= 2.868

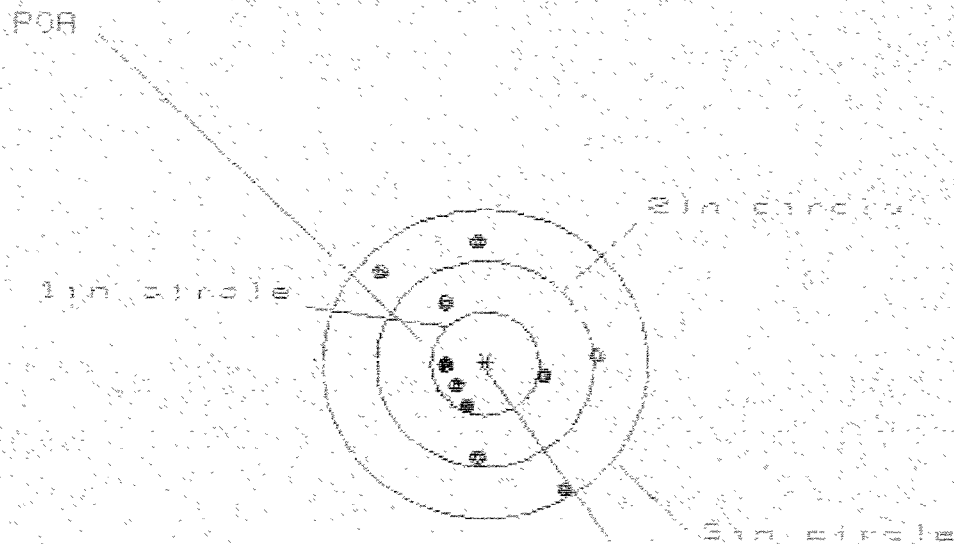
GB= 2.878

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.501	1.369	1.382
MINIMUM X	-1.193	-1.141	-1.870
MAXIMUM Y	1.363	1.243	1.230
MINIMUM Y	-1.585	-1.625	-1.568
CENTROID X	-.210	-.078	-.249
CENTROID Y	-.087	.033	.004
POA TO CENTROID (X)	.227	.084	.249
MIN RADIUS	.243	.086	.248
MEAN RADIUS	.898	.790	.718
1st RADIUS	1.606	1.626	1.684
HORIZONTAL SPREAD	2.694	2.518	1.932
VERTICAL SPREAD	2.868	2.868	2.868
EXTREME SPREAD	3.078	2.868	2.868
SPREAD IN 1st HIGH CIRCLE	5	5	5
SPREAD IN 2nd HIGH CIRCLE	5	5	5
SPREAD IN 3rd HIGH CIRCLE	7	7	7

15 Oct 1981

FILE: PATTERNING/CENTERFIRE PATT/08665891

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 3

2in = 3

3in = 10

45= 2.001

45= 2.285

45= 2.704

PATTERN #

3

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.001

1.001

1.956

MINIMUM X

-1.000

-1.920

-1.412

MAXIMUM Y

1.203

1.070

1.166

MINIMUM Y

-1.192

-1.056

-1.968

CENTROID X

.369

.289

.454

CENTROID Y

.008

.141

.045

POA TO CENTROID (in)

.369

.322

.507

MIN RADIUS

.322

.318

.374

MEAN RADIUS

.929

.754

.702

MAX RAD, 10

1.391

1.197

1.159

HORIZONTAL SPREAD

2.001

2.001

1.378

VERTICAL SPREAD

2.395

2.126

2.186

EXTREME SPREAD

2.704

2.143

2.128

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

10

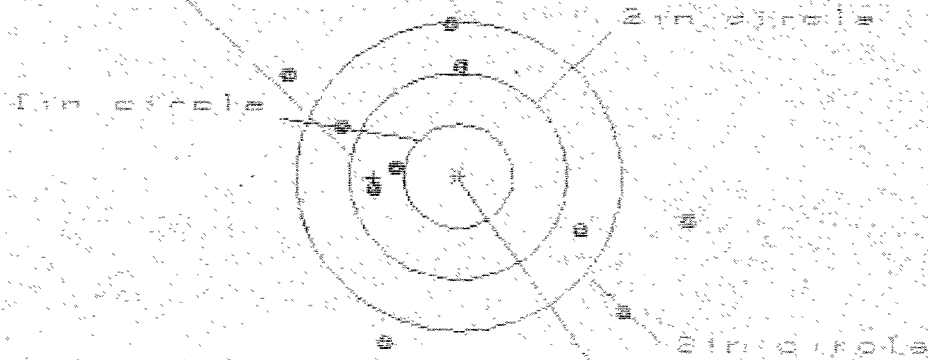
15 Oct 1991

FILE: PATTERNING/CENTERFIRE_PATT/C6665891

CENTERFIRE PATTERNS

4

POA



OF SHOTS = 10

IN CIR

1 in = 5

2 in = 5

3 in = 5

HS = 0.046

VS = 0.000

GS = 0.000

CENTROID *

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

2.099

1.758

1.625

MINIMUM X

-1.548

-1.315

-1.696

MAXIMUM Y

1.470

1.421

1.345

MINIMUM Y

-1.628

-1.677

-1.853

CENTROID X

.777

.544

.314

CENTROID Y

.020

.069

.246

FOR TO CENTROID IN

.777

.549

.486

MIN RADIUS

.624

.387

.220

MEAN RADIUS

1.425

1.284

1.032

MEAN RADIUS

2.145

2.250

1.869

HORIZONTAL SPREAD

3.646

3.073

2.720

VERTICAL SPREAD

3.099

3.090

3.696

DIAGONAL SPREAD

3.987

3.846

3.166

HITS IN 1 in CIRCLE

8

HITS IN 2 in CIRCLE

2

HITS IN 3 in CIRCLE

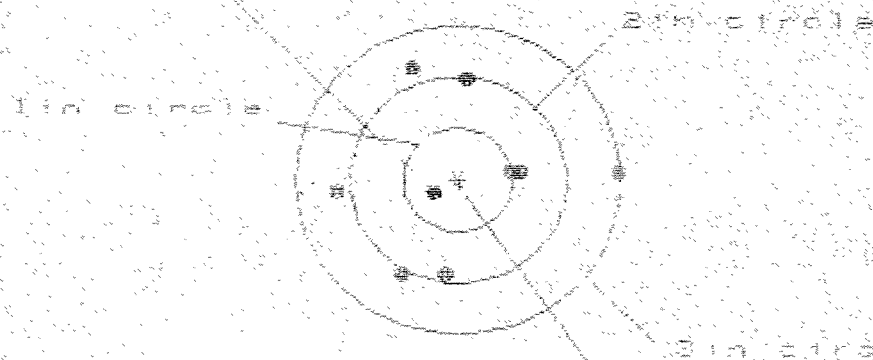
5

15 Oct 1991

FILE: /PATTERNING/CENTERFIRE_PATT/C96658891

CENTERFIRE PATTERNS # 5

FOR



OF SHOTS = 22

IN CIR

1in = 3

2in = 5

3in = 10

HE = 0.000

VE = 1.000

GE = 0.000

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.438

1.376

1.370

MINIMUM X

-1.108

-1.948

-1.934

MAXIMUM Y

1.052

1.062

1.097

MINIMUM Y

-1.936

-1.902

-1.799

CENTROID X

.020

.060

.088

CENTROID Y

.114

.110

.057

FOR TO CENTROID (X)

.141

.125

.083

4IN RADIUS

.211

.109

.032

4IN RADIUS

.821

.785

.684

4IN RADIUS

1.439

1.083

1.118

HORIZONTAL SPREAD

0.546

1.724

1.728

VERTICAL SPREAD

1.934

1.994

1.945

2 INCHES

1.538

2.007

1.800

3 INCHES

0

3

0

4 INCHES

0

6

0

5 INCHES

0

10

0