

C6636114

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

MODEL 700™ H24

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

SERIAL NO.
C6636114

ORDER NO.
5716

20

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



5716 C6636114

UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6636114

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 2 9 1		Ru
600	Proof	5 2 9 1		Ru
607	Check Headspace	5 2 9 1		Ru
610	Dis-assemble Gun	5 2 9 1		Ru
612	Magnaflux Barrel Action	5 8 9 1		KCR
	Magnaflux Bolt	5 8 9 1		KCR
615	Rollmark Caliber	5 8 9 1		GS.
617	Drill and Tap Sight Holes	5 15 9 1		KB
618	Polish Barrel	5 15 9 1		WB
620	Apply Coatings (Barrel Action)		5-29-91	AD
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/30/91	Ru
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/30/91	Ru
	C) Inspect Ejector Hole for Chamfer		5/30/91	Ru
	D) Oil Firing Pin Ass'y		5/30/91	Ru
	E) Adjust Trigger Pull to Min Setting and Stake		5/30/91	Ru

op. #	BARBER M24 0037868	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5-30-91	DH
	G) Safety Off Force	3	3	3			5-30-91	DH
	H) Trigger Pull Test & Retainability						5/30/91	JK
	I) Firing Pin Indent	1020	1020	1020			5-30-91	DH
	J) Assemble Stock						5/31/91	RW
	K) Assemble Swivel Studs						6-2-91	DH
	L) Attach Front and Rear Sight Assemblies						5/31/91	RW
	M) Iron Sight Alignment						5/31/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/31/91	RW
	O) Attach Scope to Rifle						5/31/91	RW
	P) Detach & Attach Scope 20 Times						5/31/91	RW
640	Gallery Target & Test						6-1-91	AC
	A) Time						6-1-91	AC
	B) Malfunctions						6-1-91	AC
	C) Pierced Primers						6-1-91	AC
	D) Optical Clarity of Scope						6-1-91	AC
645	Inspect for Live Ammo						6-1-91	AC
655	Final Inspection						6-3-91	DH
	A) Headspace						6-3-91	DH
	B) Trigger Pull	2.27	2.20	2.19	2.19	2.17	6/3/91	JK
	C) Function						6-3-91	DH
660	Pack						6-20-91	NF

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

SERIAL NO. C6636114DATE 5/30/91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.55	2.28	2.27	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.43	2.39	2.20	
PULL #3	2.43	2.41	2.40	2.19	
PULL #4	2.47	2.44	2.46	2.19	
PULL #5	2.35	2.22	2.46	2.17	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.60	3.48		
PULL #2	3.69	3.48		
PULL #3	3.64	3.60		
PULL #4	3.53	3.61		
PULL #5	3.46	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	4.59	4.31		4.27
PULL #2	4.48	4.21		4.28
PULL #3	4.35	4.41		4.27
PULL #4	4.49	4.20		4.24
PULL #5	4.42	4.39		4.25
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS

FOR RIFLE # 06636114

1 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.133094
1 TO	2	.495464
1 TO	3	.259326
1 TO	4	.153935
1 TO	5	.316632

13
12

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1988
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0434
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .293482

THE AMR FOR THIS RIFLE IS: .9372

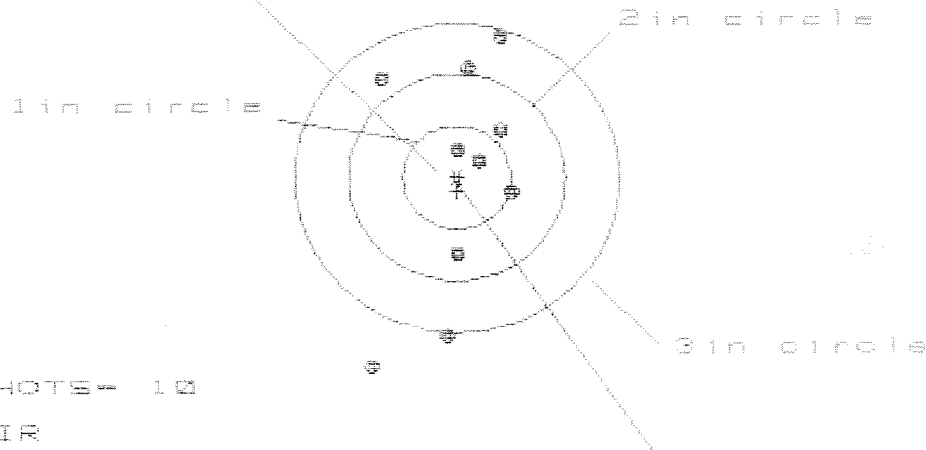
1 JUN 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8536114

CENTERFIRE PATTERNS

1

FOR



OF SHOTS = 10

IN CIR

1in = 3

2in = 5

3in = 8

HS = 1.298

VS = 3.259

GS = 3.493

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.462	.369	.342
MINIMUM X	-.836	-.807	-.834
MAXIMUM Y	1.377	1.168	.953
MINIMUM Y	-1.882	-1.721	-1.154
CENTROID X	-.085	.088	.115
CENTROID Y	.133	.342	.557
FOR TO CENTROID in.	.133	.353	.568
MIN RADIUS	.239	.107	.227
MEAN RADIUS	.967	.785	.663
MAX RADIUS	2.059	1.734	1.157
HORIZONTAL SPREAD	1.298	1.176	1.176
VERTICAL SPREAD	3.259	2.889	2.167
EXTREME SPREAD	3.493	2.940	2.141
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

1 Jun 1991

FILE:/PATTERNING/CENTERFIRE PATT/C8636114

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS = 2.318

VS = 1.756

GS = 2.518

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.338

.823

.722

MINIMUM X

-.980

-.831

-.932

MAXIMUM Y

.839

.853

.740

MINIMUM Y

-.917

-.903

-1.015

CENTROID X

.421

.272

.373

CENTROID Y

-.120

-.134

-.021

POA TO CENTROID in.

.438

.303

.373

MIN RADIUS

.205

.256

.110

MEAN RADIUS

.928

.877

.807

MAX RADIUS

1.344

1.222

1.246

HORIZONTAL SPREAD

2.318

1.654

1.654

VERTICAL SPREAD

1.756

1.756

1.756

EXTREME SPREAD

2.519

2.412

2.412

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

10

1 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636114

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 2.302

VS= 1.771

GS= 2.570

CENTROID #

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.025	.741	.595
MINIMUM X	-1.277	-1.163	-.698
MAXIMUM Y	1.031	.841	.841
MINIMUM Y	-.740	-.625	-.625
CENTROID X	.240	.126	.272
CENTROID Y	.218	.103	.103
POA TO CENTROID in.	.324	.163	.290
MIN RADIUS	.271	.110	.160
MEAN RADIUS	.777	.675	.601
MAX RADIUS	1.454	1.163	.936
HORIZONTAL SPREAD	2.302	1.904	1.293
VERTICAL SPREAD	1.771	1.466	1.466
EXTREME SPREAD	2.570	1.904	1.812
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

1 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B36114

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 9

HSE = 2.190

VSE = 2.729

GSE = 2.729

PATTERN #	:	4
SHOTS (BEST OF)	:	10
MAXIMUM X	:	.941
MINIMUM X	:	-1.249
MAXIMUM Y	:	1.238
MINIMUM Y	:	-1.491
CENTROID X	:	.059
CENTROID Y	:	-.007
POA TO CENTROID in.	:	.059
MIN RADIUS	:	.456
MEAN RADIUS	:	.981
MAX RADIUS	:	1.601
HORIZONTAL SPREAD	:	2.190
VERTICAL SPREAD	:	2.729
EXTREME SPREAD	:	2.729
NUMBER IN ONE INCH CIRCLE	=	1
NUMBER IN TWO INCH CIRCLE	=	4
NUMBER IN THREE INCH CIRCLE	=	9

1 Jun 1991

FILE:/PATTERNING/CENTERFIRE PATT/C6636114

CENTERFIRE PATTERNS

5

POB

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 2.508

VS= 2.674

GS= 3.078

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X : 1.112

.918

.981

MINIMUM X : -1.396

-1.272

-1.209

MAXIMUM Y : 1.239

1.165

1.002

MINIMUM Y : -1.435

-1.297

-1.218

CENTROID X : .279

.155

.092

CENTROID Y : -.007

-.145

.018

POB TO CENTROID in. : .279

.212

.094

MIN RADIUS : .181

.252

.275

MEAN RADIUS : 1.033

.960

.889

MAX RADIUS : 1.665

1.483

1.403

HORIZONTAL SPREAD : 2.508

2.190

2.190

VERTICAL SPREAD : 2.674

2.462

2.220

EXTREME SPREAD : 3.078

2.718

2.718

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

4

NUMBER IN THREE INCH CIRCLE =

9