

C6594640

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.



Remington ®		 REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ M24		SERIAL NO. C6594640	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		20	



M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6594640

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/20/90	K.S.
600	Proof		12/20/90	K.S.
607	Check Headspace		12/20/90	K.S.
610	Dis-assemble Gun		12/20/90	K.S.
612	Magnaflux Barrel Action		1/9/91	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	JS
617	Drill and Tap Sight Holes	1 10 91		EB
618	Polish Barrel	1 10 91		WB
620	Apply Coatings (Barrel Action)		1/22/91	TH
	Apply Coating (Bolt)		1/22/91	TH
625	Final Assembly A) Clean inside of Bolt Assembly		2/4/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/4/91	KA
	C) Inspect Ejector Hole for Chamfer		2/4/91	KA
	D) Oil Firing Pin Ass'y		2/4/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		2/5/91	JA

op. #	BARBER M24 0020873	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			2/5/91	WB
	G) Safety Off Force	3	3	3			2/5/91	WB
	H) Trigger Pull Test & Retainability						2/5/91	JH
	I) Firing Pin Indent	.0205	.0205	.0205			2/5/91	WB
	J) Assemble Stock						2/6/91	KH
	K) Assemble Swivel Studs						2-26-91	AC
	L) Attach Front and Rear Sight Assemblies						2/6/91	KH
	M) Iron Sight Alignment						2/6/91	KH
	N) Detach Front & Rear Sights & place in numbered container						2/6/91	KH
	O) Attach Scope to Rifle						2/6/91	KH
	P) Detach & Attach Scope 20 Times						2/6/91	KH
640	Gallery Target & Test						2-7-91	DH
	A) Time						2-7-91	DH
	B) Malfunctions						2-7-91	DH
	C) Pierced Primers						2-7-91	DH
	D) Optical Clarity of Scope						2-7-91	DH
645	Inspect for Live Ammo						2-7-91	DH
655	Final Inspection							
	A) Headspace						2-26-91	AC
	B) Trigger Pull	2.33	2.34	2.31	2.27	2.36	2/25/91	JH
	C) Function						2-26-91	AC
660	Pack						3-18-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50#+ .50#

3.00#+ .75#

4.00#+1.00#

SERIAL NO. C6594640

DATE 2/5/91

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.22	2.48	2.38	2.33	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.50	2.25	2.34	
PULL #3	2.24	2.28	2.23	2.31	
PULL #4	2.17	2.18	2.32	2.27	
PULL #5	2.23	2.28	2.36	2.36	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.26		
PULL #2	3.40	3.23		
PULL #3	3.40	3.17		
PULL #4	3.41	3.27		
PULL #5	3.41	3.17		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.32	4.42		4.37
PULL #2	4.27	4.43		4.51
PULL #3	4.29	4.43		4.52
PULL #4	4.29	4.41		4.49
PULL #5	4.36	4.44		4.40
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594640
8 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.0901388
1 TO	2	.19804
1 TO	3	.10458
1 TO	4	.173954
1 TO	5	.206785

* <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1328
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1232
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .181147

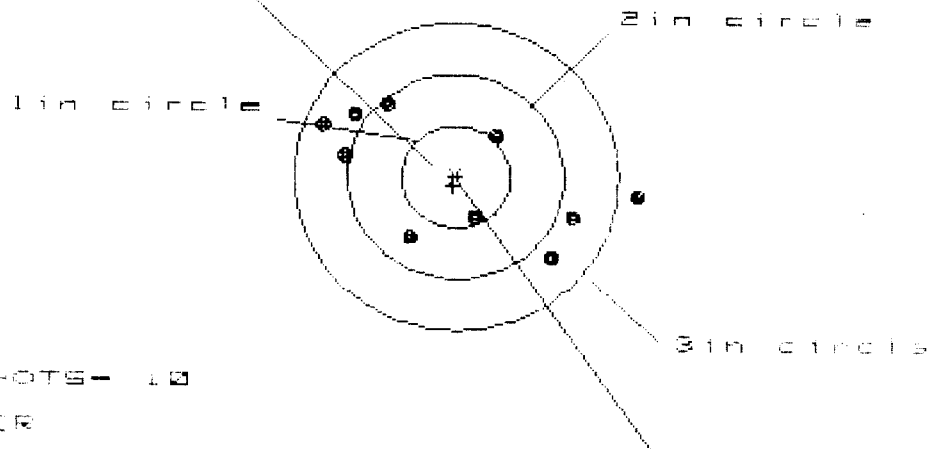
THE AMR FOR THIS RIFLE IS: .7996

5 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594640

CENTERFIRE PATTERNS # 1

FOR



+ OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

RS= 2.950

VS= 1.460

GS= 3.016

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.696	1.264	1.130
MINIMUM X	-1.254	-1.065	-1.007
MAXIMUM Y	.677	.660	.717
MINIMUM Y	-.783	-.800	-.743
CENTROID X	.027	-.162	-.028
CENTROID Y	.086	.103	.046
FOR TO CENTROID in.	.090	.192	.054
MIN RADIUS	.475	.597	.469
MEAN RADIUS	1.019	.928	.891
MAX RADIUS	1.703	1.345	1.205
HORIZONTAL SPREAD	2.950	2.329	2.137
VERTICAL SPREAD	1.460	1.460	1.460
EXTREME SPREAD	3.016	2.487	2.248
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

8 Feb 1991

FILE://PATTERNING/CENTERFIRE_PATT/06594640

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID +

OF SHOTS- 10

IN CIR

1in = 2

2in = 9

3in = 10

HS= 1.390

VS= 1.784

GS= 1.919

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.694	.763	.750
MINIMUM X	:	-.696	-.627	-.640
MAXIMUM Y	:	.777	.665	.537
MINIMUM Y	:	-1.007	-1.020	-.555
CENTROID X	:	.225	.156	.170
CENTROID Y	:	.082	.194	.322
POA TO CENTROID in.	:	.239	.249	.363
MIN RADIUS	:	.272	.246	.242
MEAN RADIUS	:	.675	.594	.517
MAX RADIUS	:	1.101	1.026	.930
HORIZONTAL SPREAD	:	1.390	1.390	1.390
VERTICAL SPREAD	:	1.784	1.685	1.093
EXTREME SPREAD	:	1.919	1.687	1.450
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594640

CENTERFIRE PATTERNS # 3

POR

1in circle

2in circle

3in circle

+ OF SHOTS - 10

IN CIR

1in = 3

2in = 7

3in = 10

HS = 2.346

VS = 1.792

CS = 2.460

CENTROID #

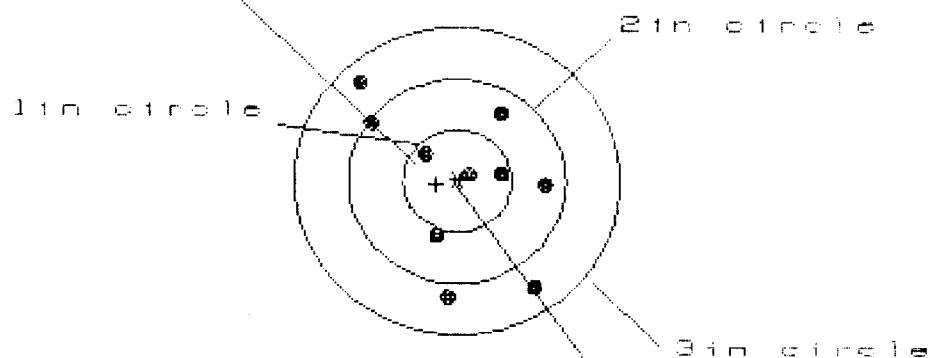
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.184	1.022	.893
MINIMUM X	:	-1.162	-1.031	-.472
MAXIMUM Y	:	.807	.870	.855
MINIMUM Y	:	-.985	-.922	-.937
CENTROID X	:	.038	-.093	.036
CENTROID Y	:	.190	.127	.142
POR TO CENTROID in.	:	.193	.158	.147
MIN RADIUS	:	.116	.113	.140
MEAN RADIUS	:	.752	.676	.627
MAX RADIUS	:	1.309	1.056	1.049
HORIZONTAL SPREAD	:	2.346	2.053	1.365
VERTICAL SPREAD	:	1.792	1.792	1.792
EXTREME SPREAD	:	2.460	2.058	1.904
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594840

CENTERFIRE PATTERNS # 4

FOR



OF SHOTS- 10

IN CIR

1in - 3

2in - 7

3in = 10

HS= 1.712

VS= 2.088

GS= 2.562

CENTROID *

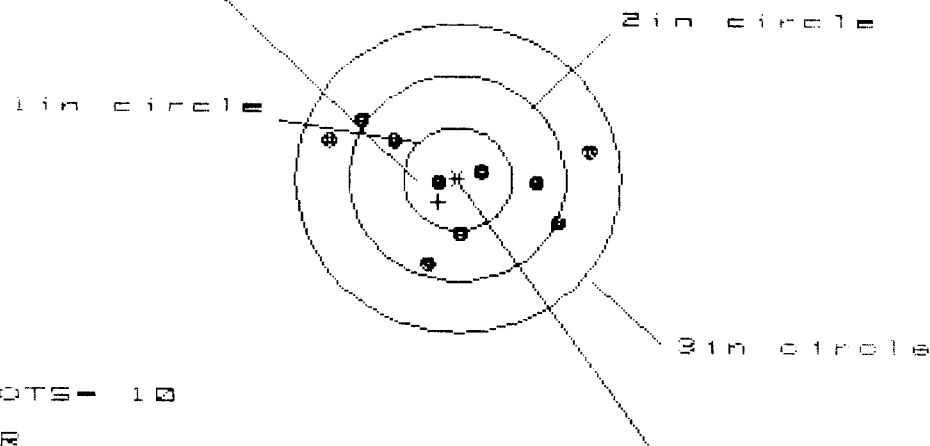
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.774	.670	.743
MINIMUM X	:	-.938	-.910	-.837
MAXIMUM Y	:	.971	.813	.701
MINIMUM Y	:	-1.118	-1.010	-1.122
CENTROID X	:	.193	.297	.224
CENTROID Y	:	.034	-.074	.038
FOR TO CENTROID in.	:	.196	.306	.227
MIN RADIUS	:	.113	.204	.095
MEAN RADIUS	:	.771	.708	.638
MAX RADIUS	:	1.350	1.107	1.126
HORIZONTAL SPREAD	:	1.712	1.580	1.580
VERTICAL SPREAD	:	2.088	1.823	1.923
EXTREME SPREAD	:	2.562	2.141	1.890
NUMBER IN ONE INCH CIRCLE =	:		3	

8 Feb 1991

FILE://PATTERNING/CENTERFIRE_PATT/C6534640

CENTERFIRE PATTERNS # 5

POB



OF SHOTS - 10

IN CIR

1in - 2

2in - 5

3in - 10

HS - 2.418

VS - 1.414

GS - 2.418

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.233	1.062	.931
MINIMUM X	:	-1.185	-1.048	-.922
MAXIMUM Y	:	.625	.658	.708
MINIMUM Y	:	-.788	-.756	-.706
CENTROID X	:	.181	.044	.175
CENTROID Y	:	.224	.191	.141
POB TO CENTROID in.	:	.287	.196	.224
MIN RADIUS	:	.141	.025	.154
MEAN RADIUS	:	.781	.714	.659
MAX RADIUS	:	1.268	1.147	1.162

BARBER - M24 0020881

HORIZONTAL SPREAD :	2.418	2.110	1.853
VERTICAL SPREAD :	1.414	1.414	1.414
EXTREME SPREAD :	2.419	2.269	2.150
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	