

C6523335

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

Remington[®]


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

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

MODEL 700TM M24

SERIAL NO.
C6523335

ORDER NO.
5716

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

01


5716 C6523335

UPC


0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523335

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 3	90	RW
600	Proof	10 3	90	RW
607	Check Headspace	10 3	90	RW
610	Dis-assemble Gun	10 3	90	RW
612	Magnaflux Barrel Action		10/11/90	KR
	Magnaflux Bolt		10/11/90	KR
615	Rollmark Caliber		10/11/90	JS
617	Drill and Tap Sight Holes		10/11/90	FB
618	Polish Barrel RWB		10/12/90	WB
620	Apply Coatings (Barrel Action)		10-12-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/22/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/22/90	RW
	C) Inspect Ejector Hole for Chamfer		10/22/90	RW
	D) Oil Firing Pin Ass'y		10/22/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/5/90	TH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 1/2	3 1/2	3 1/2			11/5/90	WB
	G) Safety Off Force	3	3	3			11/5/90	WB
	H) Trigger Pull Test & Retainability						11-5-90	JH
	I) Firing Pin Indent	.021	.021	.021			11/5/90	WB
	J) Assemble Stock						11/5/90	RW
	K) Assemble Swivel Studs						11-20-90	DH
	L) Attach Front and Rear Sight Assemblies						11/5/90	RW
	M) Iron Sight Alignment						11/5/90	RW
	N) Detach Front & Rear Sights & place in numbered container						11/5/90	RW
	O) Attach Scope to Rifle						11/5/90	RW
	P) Detach & Attach Scope 20 Times						11/5/90	RW
640	Gallery Target & Test						11-7-90	DH
	A) Time						11-7-90	DH
	B) Malfunctions						11-7-90	DH
	C) Pierced Primers						11-7-90	DH
	D) Optical Clarity of Scope						11-7-90	DH
645	Inspect for Live Ammo						11-7-90	DH
655	Final Inspection							
	A) Headspace						11-20-90	DH
	B) Trigger Pull	289	262	267	277	275	11-20-90	DH
	C) Function						11-20-90	DH
660	Pack						12-19-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523335

DATE 11-5-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.14	2.45	2.35	2.89	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.45	2.30	2.62	
PULL #3	2.43	2.30	2.28	2.67	
PULL #4	2.41	2.07	2.36	2.77	
PULL #5	2.38	2.36	2.40	2.75	
TOTAL	11.8	11.63	11.69		
AVG.	2.36	2.326	2.338		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.34	3.42		
PULL #2	3.39	3.24		
PULL #3	3.40	3.41		
PULL #4	3.26	3.47		
PULL #5	3.43	3.41		
TOTAL	16.82	16.95		
AVG.	3.364	3.39		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.33		4.39
PULL #2	4.35	4.34		4.26
PULL #3	4.31	4.35		4.42
PULL #4	4.36	4.38		4.43
PULL #5	4.32	4.30		4.31
TOTAL	21.60	21.70		21.81
AVG.	4.32	4.34		4.362

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523335
7 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.468615
1 TO	2	.384187
1 TO	3	.219672
1 TO	4	.308715
1 TO	5	.552203

4
#

-----POA

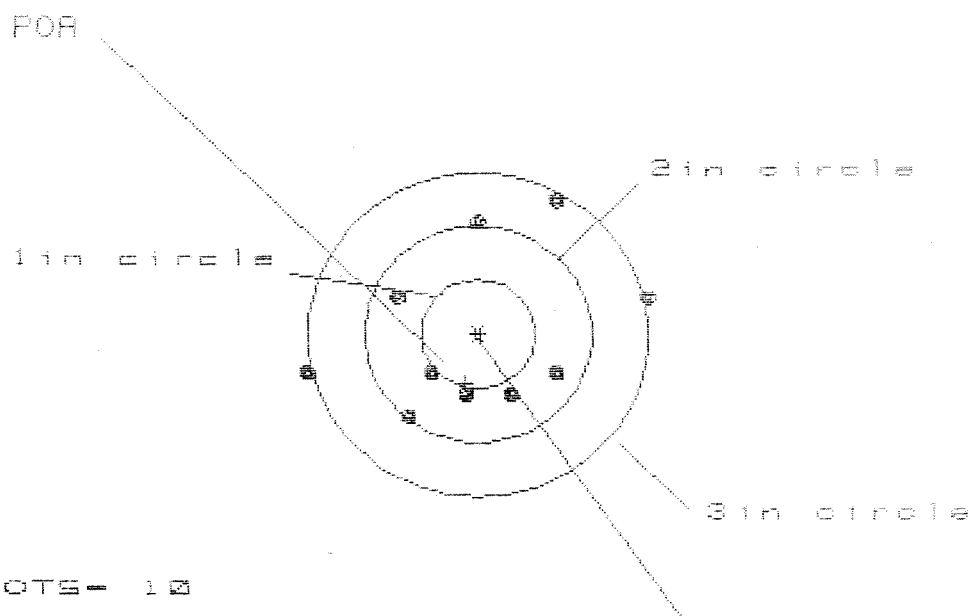
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0064
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2254
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .225491
THE AMR FOR THIS RIFLE IS: .8682

7 Nov 1998

FILE: \PATTERNING\CENTERFIRE_PATT\08523335

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 9

HS= 2.958

VS= 2.040

GS= 3.033

CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.500	.893	.732
MINIMUM X	:	-1.458	-1.292	-.658
MAXIMUM Y	:	1.239	1.275	1.236
MINIMUM Y	:	-.801	-.765	-.803
CENTROID X	:	.108	-.058	.103
CENTROID Y	:	.456	.420	.459
POA TO CENTROID in.	:	.469	.424	.470
MIN RADIUS	:	.544	.396	.542
MEAN RADIUS	:	.980	.894	.846
MAX RADIUS	:	1.535	1.543	1.424
HORIZONTAL SPREAD	:	2.958	2.185	1.390
VERTICAL SPREAD	:	2.040	2.040	2.040
EXTREME SPREAD	:	3.033	2.679	2.424
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	9		

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523385

CENTERFIRE PATTERNS

2

POR

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 5

2 in = 7

3 in = 10

HS = 1.634

VS = 2.040

GS = 2.436

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.954	.913	.696
MINIMUM X	:	-.680	-.721	-.607
MAXIMUM Y	:	1.226	.960	.875
MINIMUM Y	:	-.814	-.678	-.734
CENTROID X	:	.096	.137	.023
CENTROID Y	:	.072	-.064	.021
POR TO CENTROID in.	:	.120	.152	.031
MIN RADIUS	:	.194	.130	.134
MEAN RADIUS	:	.658	.571	.495
MAX RADIUS	:	1.282	1.137	1.118
HORIZONTAL SPREAD	:	1.634	1.634	1.303
VERTICAL SPREAD	:	2.040	1.638	1.609
EXTREME SPREAD	:	2.436	2.020	2.020
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523335

CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS = 1.690

VS = 2.822

GS = 2.825

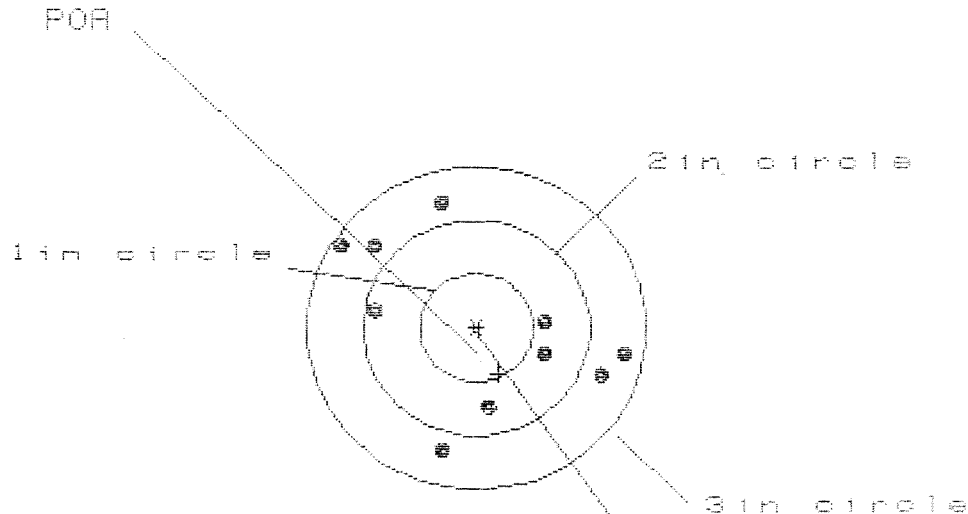
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.618	.597	.666
MINIMUM X	:	-1.072	-1.003	-.934
MAXIMUM Y	:	1.325	1.158	1.031
MINIMUM Y	:	-1.497	-.852	-.707
CENTROID X	:	.068	-.001	-.070
CENTROID Y	:	.240	.407	.262
POA TO CENTROID in.	:	.250	.407	.271
MIN RADIUS	:	.090	.104	.084
MEAN RADIUS	:	.822	.740	.644
MAX RADIUS	:	1.620	1.284	1.205
HORIZONTAL SPREAD	:	1.690	1.600	1.600
VERTICAL SPREAD	:	2.822	2.010	1.738
EXTREME SPREAD	:	2.825	2.394	2.194
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523335

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 10

HS= 2.476

VS= 2.317

GS= 2.673

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.285	1.153	1.120
MINIMUM X	:	-1.191	-1.071	-.927
MAXIMUM Y	:	1.154	1.238	1.218
MINIMUM Y	:	-1.163	-1.079	-1.099
CENTROID X	:	-.200	-.068	-.212
CENTROID Y	:	.435	.351	.371
POA TO CENTROID in.	:	.479	.357	.427
MIN RADIUS	:	.574	.456	.593
MEAN RADIUS	:	1.042	.971	.957
MAX RADIUS	:	1.414	1.320	1.256
HORIZONTAL SPREAD	:	2.476	2.224	2.047
VERTICAL SPREAD	:	2.317	2.317	2.317
EXTREME SPREAD	:	2.673	2.390	2.317
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523335

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 10

HS = 2.145

VS = 2.194

GS = 2.619

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.216
MINIMUM X	-.929
MAXIMUM Y	1.124
MINIMUM Y	-1.070
CENTROID X	-.040
CENTROID Y	-.076
POA TO CENTROID in.	.086
MIN RADIUS	.055
MEAN RADIUS	.839
MAX RADIUS	1.357
HORIZONTAL SPREAD	2.145
VERTICAL SPREAD	2.194
EXTREME SPREAD	2.619
NUMBER IN ONE INCH CIRCLE	3
NUMBER IN TWO INCH CIRCLE	5
NUMBER IN THREE INCH CIRCLE	10