

C6649147

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington
MODEL 700™ M24

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

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

SERIAL NO.
C6649147

ORDER NO.
5716

20

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

5716 C6649147

UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6649147

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/24/91	KH
600	Proof		6/24/91	KH
607	Check Headspace		6/24/91	KH
610	Dis-assemble Gun		6/24/91	KH
612	Magnaflux Barrel Action		JUL 1 1991	KR
	Magnaflux Bolt		JUL 1 1991	KR
615	Rollmark Caliber		JUL 1 1991	LS.
617	Drill and Tap Sight Holes		JUL 1 1991	LB
618	Polish Barrel		JUL 2 1991	LB
620	Apply Coatings (Barrel Action)		7-23-91	LB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/1/91	KH
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/1/91	KH
	C) Inspect Ejector Hole for Chamfer		8/1/91	KH
	D) Oil Firing Pin Ass'y		8/1/91	KH
	E) Adjust Trigger Pull to Min Setting and Stake		8-5-91	D/H

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			Aug 5-91	AC
	G) Safety Off Force	4	4	4			Aug 5-91	AC
	H) Trigger Pull Test & Retainability						8-5-91	DH
	I) Firing Pin Indent	.020	.021	.021			Aug 5-91	AC
	J) Assemble Stock						8/6/91	KA
	K) Assemble Swivel Studs						8-7-91	JD
	L) Attach Front and Rear Sight Assemblies						8/6/91	KA
	M) Iron Sight Alignment						8/6/91	KA
	N) Detach Front & Rear Sights & place in numbered container						8/6/91	KA
	O) Attach Scope to Rifle						8/6/91	KA
	P) Detach & Attach Scope 20 Times						8/6/91	KA
640	Gallery Target & Test						8/6/91	KT
	A) Time						"	KT
	B) Malfunctions						"	KT
	C) Pierced Primers						"	KT
	D) Optical Clarity of Scope						"	KT
645	Inspect for Live Ammo						8/6/91	KT
655	Final Inspection							
	A) Headspace						8-7-91	KA
	B) Trigger Pull	2.20	2.23	2.16	2.18	2.19	8-7-91	KA
	C) Function						8-7-91	KA
660	Pack						7-17-91	DH

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

SERIAL NO. C6649147DATE 8-5-91TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.58	2.31	2.54	2.20	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.58	2.54	2.56	2.23	
PULL #3	2.60	2.45	2.51	2.16	
PULL #4	2.51	2.06	2.53	2.18	
PULL #5	2.51	2.12	2.76	2.19	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.43		
PULL #2	3.53	3.56		
PULL #3	3.48	3.54		
PULL #4	3.51	3.47		
PULL #5	3.62	3.50		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.34	4.46		4.17
PULL #2	4.09	4.41		4.04
PULL #3	4.39	4.24		4.03
PULL #4	4.15	4.43		3.92
PULL #5	4.35	4.25		4.02
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS

RIFLE # 06649147

6 Aug 1981

CENTRAL DISTANCES

1 TO	1	.0876757
1 TO	2	.284431
1 TO	3	.245231
1 TO	4	.182275
1 TO	5	.106042

$\bar{x}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .081
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .153
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .173118
 THE AMR FOR THIS RIFLE IS: .9248

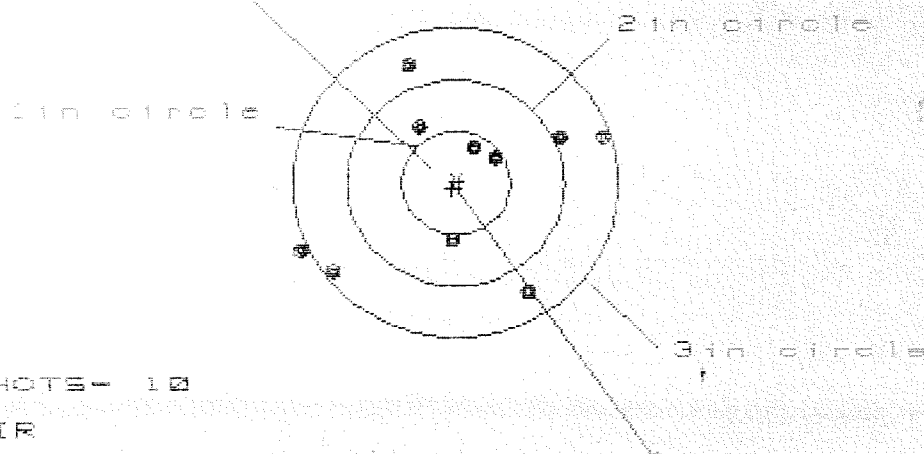
Aug 1987

FILE:/PATTERNING/CENTERFIRE_PATT/C6649147

CENTERFIRE PATTERNS

1

POA



OF SHOTS - 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 2.764

VS= 2.188

GS= 2.992

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.326	1.167	1.061
MINIMUM X	-1.438	-1.327	-1.785
MAXIMUM Y	1.167	1.089	.969
MINIMUM Y	-1.021	-1.099	-1.219
CENTROID X	.038	.197	.363
CENTROID Y	.056	.134	.254
POA TO CENTROID in.	.068	.239	.443
MIN RADIUS	.346	.245	.061
MEAN RADIUS	.991	.889	.757
MAX RADIUS	1.598	1.638	1.274
HORIZONTAL SPREAD	2.764	2.494	1.786
VERTICAL SPREAD	2.188	2.188	2.188
EXTREME SPREAD	2.992	2.026	2.474
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

5 Aug 1931

FILE:/PATTERNING/CENTERFIRE_PATT/C6649147

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 3.469

VS= 2.457

GS= 3.934

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.549	1.077	1.047
MINIMUM X	-.920	-.636	-.656
MAXIMUM Y	1.195	1.082	.941
MINIMUM Y	-1.262	-1.129	-.855
CENTROID X	.293	.009	.039
CENTROID Y	.182	.049	.190
POA TO CENTROID in.	.345	.050	.194
MIN RADIUS	.162	.201	.225
MEAN RADIUS	1.000	.739	.679
MAX RADIUS	2.816	1.292	1.352
HORIZONTAL SPREAD	3.469	1.713	1.713
VERTICAL SPREAD	2.457	2.211	1.796
EXTREME SPREAD	3.934	2.212	2.186
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

6 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649147

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.332

VS= 2.219

GS= 2.293

CENTROID #

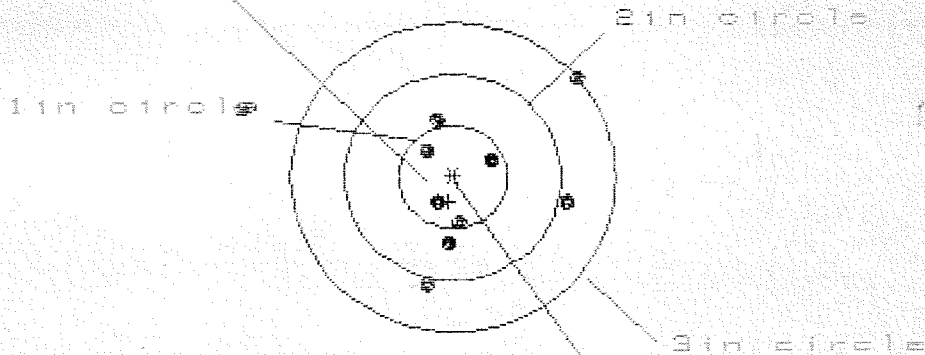
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.521	.431	.377
MINIMUM X	-.811	-.758	-.812
MAXIMUM Y	1.063	.854	.725
MINIMUM Y	-1.156	-1.038	-.987
CENTROID X	.071	.161	.215
CENTROID Y	.299	.181	.316
POA TO CENTROID in.	.397	.242	.377
MIN RADIUS	.232	.165	.096
MEAN RADIUS	.762	.680	.588
MAX RADIUS	1.337	1.122	1.038
HORIZONTAL SPREAD	1.332	1.189	1.189
VERTICAL SPREAD	2.219	1.892	1.712
EXTREME SPREAD	2.293	1.915	1.857
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

6 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649147

CENTERFIRE PATTERNS # 4

POB



OF SHOTS- 10

IN CIR

1in = 4

2in = 5

3in = 8

HS= 3.142

VS= 2.038

GS= 3.206

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.183	.965	.997
MINIMUM X	-1.959	-.431	-.310
MAXIMUM Y	.987	1.065	.818
MINIMUM Y	-1.051	-.973	-.839
CENTROID X	.048	.266	.145
CENTROID Y	.238	.160	.026
POB TO CENTROID in.	.243	.310	.148
MIN RADIUS	.264	.266	.263
MEAN RADIUS	.858	.716	.593
MAX RADIUS	2.084	1.437	.998
HORIZONTAL SPREAD	3.142	1.396	1.307
VERTICAL SPREAD	2.038	2.038	1.657
EXTREME SPREAD	3.206	2.465	1.658
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

8 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8645147

CENTERFIRE PATTERNS # 5

POB

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.200

VS= 2.844

GS= 2.961

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.060	1.050	1.145
MINIMUM X	-1.140	-1.150	-1.055
MAXIMUM Y	1.886	1.473	.791
MINIMUM Y	-.958	-.749	-.565
CENTROID X	-.045	-.035	-.130
CENTROID Y	-.010	-.219	-.403
POB TO CENTROID in.	.046	.222	.424
MIN RADIUS	.307	.349	.197
MEAN RADIUS	1.013	.874	.728
MAX RADIUS	1.888	1.658	1.184
HORIZONTAL SPREAD	2.200	2.200	2.200
VERTICAL SPREAD	2.844	2.222	1.356
EXTREME SPREAD	2.961	2.494	2.214
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	