

C6649264

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington

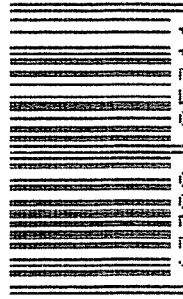
*Still
meat*

Remington® MODEL 700™ H24 MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
DU PONT REG. U.S. PAT. & T.M. OFF.		SERIAL NO. C6649264
ORDER NO. 5716		20



5716 C6649264

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649264

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 27 9 1		AW
600	Proof	6 27 9 1		AW
607	Check Headspace	6 27 9 1		AW
610	Dis-assemble Gun	6 27 9 1		AW
612	Magnaflux Barrel Action	JUL 2 1991		KR
	Magnaflux Bolt	JUL 2 1991		KR
615	Rollmark Caliber	JUL 2 1991		LS
617	Drill and Tap Sight Holes	JUL 2 1991		LB
618	Polish Barrel	JUL 17 1991		WB
620	Apply Coatings (Barrel Action)		7-22-91	DA
	Apply Coating (Bolt)			D
625	Final Assembly A) Clean inside of Bolt Assembly		7/23/91	AW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/23/91	AW
	C) Inspect Ejector Hole for Chamfer		7/23/91	AW
	D) Oil Firing Pin Ass'y		7/23/91	AW
	E) Adjust Trigger Pull to Min Setting and Stake		8-5-91	AW

BARBER - M24 0067093

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						5-5-91	921
	I) Firing Pin Indent	.020	.020	.020			Aug 5-91	AC
	J) Assemble Stock						8/5/91	RW
	K) Assemble Swivel Studs						8-6-91	AC
	L) Attach Front and Rear Sight Assemblies						8/5/91	RW
	M) Iron Sight Alignment						8/5/91	RW
	N) Detach Front & Rear Sights & place in numbered container						8/5/91	RW
	O) Attach Scope to Rifle						8/5/91	RW
	P) Detach & Attach Scope 20 Times						8/5/91	RW
640	Gallery Target & Test						8-5-91	AC
	A) Time						"	AC
	B) Malfunctions						"	AC
	C) Pierced Primers						"	AC
	D) Optical Clarity of Scope						"	AC
645	Inspect for Live Ammo						8-5-91	AC
655	Final Inspection							
	A) Headspace						8-6-91	AC
	B) Trigger Pull	2.33	2.20	2.43	2.50	2.49	8-6-91	921
	C) Function						8-6-91	AC
660	Pack						9-19-91	AC

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6649264

DATE 8-5-91

TESTER JU.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.64	2.50	2.48	2.33	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.54	2.52	2.44	2.20	
PULL #3	2.47	2.54	2.55	2.43	
PULL #4	2.41	2.50	2.51	2.50	
PULL #5	2.48	2.52	2.50	2.49	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.36		
PULL #2	3.29	3.42		
PULL #3	3.27	3.30		
PULL #4	3.30	3.35		
PULL #5	3.42	3.38		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.40	4.47		4.33
PULL #2	4.43	4.35		4.44
PULL #3	4.37	4.39		4.33
PULL #4	4.42	4.28		4.38
PULL #5	4.45	4.16		4.45
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649264
5 Aug 1991

CENTROIDAL DISTANCES

0 TO 1 .130062
1 TO 2 .0842021
1 TO 3 .224722
1 TO 4 .218987
1 TO 5 .161941

X---FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0528
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0056
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0530961

THE BMR FOR THIS RIFLE IS: .9424

5 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649CB4

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS = 3.291

VS = 3.302

CS = 4.219

CENTROID *

PATTERN # : 1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.171	.936	.969
MINIMUM X	-2.120	-.933	-.899
MAXIMUM Y	1.602	1.413	1.536
MINIMUM Y	-1.700	-1.205	-1.029
CENTROID X	-.130	.105	.071
CENTROID Y	.004	.193	.017
POA TO CENTROID IN.	.130	.220	.073
MIN RADIUS	.302	.328	.313
MEAN RADIUS	1.026	.801	.714
MAX RADIUS	2.717	1.438	1.125
HORIZONTAL SPREAD	3.291	1.869	1.869
VERTICAL SPREAD	3.302	2.618	1.565
EXTREME SPREAD	4.219	2.726	1.887
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

5 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649264

CENTERFIRE PATTERNS # 2

FOR

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 9

3in = 9

HS= 2.138

VS= 2.208

GS= 2.877

CENTROID *

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.355

.952

.910

MINIMUM X

-.783

-.632

-.674

MAXIMUM Y

.818

.664

.477

MINIMUM Y

-1.390

-.566

-.483

CENTROID X

-.063

-.214

-.172

CENTROID Y

.055

.209

.126

POB TO CENTROID in.

.084

.299

.213

MIN RADIUS

.337

.397

.336

MEAN RADIUS

.789

.622

.607

MAX RADIUS

1.941

1.108

1.030

HORIZONTAL SPREAD

2.138

1.584

1.584

VERTICAL SPREAD

2.208

1.230

.960

EXTREME SPREAD

2.877

1.782

1.750

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

9

NUMBER IN THREE INCH CIRCLE =

9

5 Aug 1991

FILE: \PATTERNING\CENTERFIRE_PATT\08649804

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS = 2.331

VS = 2.706

GS = 3.507

CENTROID *

PATTERN #

3

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.238

1.198

1.079

MINIMUM X

-1.093

-.955

-1.067

MAXIMUM Y

1.949

.532

.475

MINIMUM Y

-.757

-.540

-.597

CENTROID X

.086

-.052

.067

CENTROID Y

.066

-.151

-.094

POA TO CENTROID in.

.108

.160

.116

MIN RADIUS

.311

.116

.178

MEAN RADIUS

.906

.681

.642

MAX RADIUS

2.309

1.311

1.179

HORIZONTAL SPREAD

2.331

2.153

2.146

VERTICAL SPREAD

2.706

1.072

1.072

EXTREME SPREAD

3.507

2.368

2.169

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

9

5 Aug 1991

FILE: PATTERNING/CENTERFIRE_PATT/C8645264

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 12

IN CIR

1in = 1

2in = 2

3in = 9

HS= 1.836

VS= 2.949

CS= 2.961

PATTERN #

4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.922	.970	1.005
MINIMUM X	-.914	-.866	-.771
MAXIMUM Y	1.294	1.110	.981
MINIMUM Y	-1.655	-.766	-.627
CENTROID X	-.143	-.191	-.286
CENTROID Y	-.214	-.030	-.169
POA TO CENTROID in.	.257	.194	.052
MIN RADIUS	.336	.255	.405
MEAN RADIUS	.952	.852	.777
MAX RADIUS	1.712	1.342	1.121
HORIZONTAL SPREAD	1.836	1.836	1.636
VERTICAL SPREAD	2.949	1.876	1.428
EXTREME SPREAD	2.961	2.204	1.994
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

5 Aug 1991

FILE: PATTERNING/CENTERFIRE_PATT/C8B49264

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 4

3 in = 7

HE= 2.482

VE= 2.620

GE= 3.582

CENTROID *

PATTERN # 5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.347	1.492	1.366
MINIMUM X	-1.135	-0.990	-0.338
MAXIMUM Y	1.210	1.053	1.185
MINIMUM Y	-1.410	-1.414	-1.202
CENTROID X	-0.014	-0.159	-0.035
CENTROID Y	.117	.274	.142
POA TO CENTROID (in.)	.118	.316	.145
MIN RADIUS	.244	.193	.225
MEAN RADIUS	1.039	.916	.848
MAX RADIUS	1.922	1.705	1.534
HORIZONTAL SPREAD	2.482	2.482	1.906
VERTICAL SPREAD	2.620	2.467	2.467
EXTREME SPREAD	3.582	3.113	2.603
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		7	