

C6649018

MODEL 700™ M24

Model **SMS**™

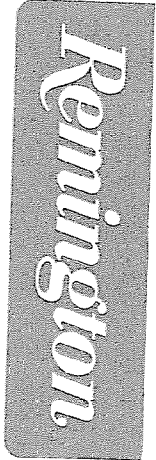
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

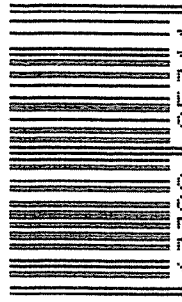


Remington®		VERY IMPORTANT! Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24		DU PONT REG. U.S. PAT. & TM. OFF.
MADE IN LION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		SERIAL NO. C6649018
		ORDER NO. 5716



5716 C6649018

UFC



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6649018

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	7/24/91	KL
600	Proof		7/24/91	KL
607	Check Headspace		7/24/91	KL
610	Dis-assemble Gun		7/24/91	KL
612	Magnaflux Barrel Action		AUG 7 1991	KR
	Magnaflux Bolt		AUG 7 1991	KR
615	Rollmark Caliber		AUG 7 1991	JS
617	Drill and Tap Sight Holes		AUG 7 1991	LB
618	Polish Barrel		AUG 13 1991	WB
620	Apply Coatings (Barrel Action)		8/27/91	TS
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		8/29/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/29/91	KL
	C) Inspect Ejector Hole for Chamfer		8/29/91	KL
	D) Oil Firing Pin Ass'y		8/29/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		8/31/91	KL

op. #	BARBER M24 0030689	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			8-31-91	DH
	G) Safety Off Force	3	3	3			8-31-91	DH
	H) Trigger Pull Test & Retainability						8/31/91	M
	I) Firing Pin Indent	.022	.021	.021			8-31-91	DH
	J) Assemble Stock						8/31/91	KH
	K) Assemble Swivel Studs						9-4-91	DH
	L) Attach Front and Rear Sight Assemblies						8/31/91	KH
	M) Iron Sight Alignment						8/31/91	KH
	N) Detach Front & Rear Sights & place in numbered container						8/31/91	KH
	O) Attach Scope to Rifle						8/31/91	KH
	P) Detach & Attach Scope 20 Times						8/31/91	KH
640	Gallery Target & Test						9-3-91	AC
	A) Time						9-3-91	AC
	B) Malfunctions						9-3-91	AC
	C) Pierced Primers						9-3-91	AC
	D) Optical Clarity of Scope						9-3-91	AC
645	Inspect for Live Ammo						9-3-91	AC
655	Final Inspection							
	A) Headspace						9-4-91	DH
	B) Trigger Pull	273	274	276	271	280	9-4-91	DH
	C) Function						9-4-91	DH
660	Pack						9-17-91	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6649018

DATE 8/31/91

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.31	2.44	273	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.36	2.18	2.53	274	
PULL #3	2.33	2.34	2.48	276	
PULL #4	2.35	2.19	2.36	271	
PULL #5	2.33	2.32	2.52	280	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.31	3.41		
PULL #2	3.21	3.30		
PULL #3	3.39	3.37		
PULL #4	3.23	3.34		
PULL #5	3.35	3.20		
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	4.57		4.22
PULL #2	4.15	4.49		4.50
PULL #3	4.58	4.60		4.56
PULL #4	4.55	4.64		4.48
PULL #5	4.49	4.49		4.45
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS

FOR RIFLE # C6649018

3 Sep 1991

CENTROIDAL DISTANCES

0 TO	1	.111879
1 TO	2	.249018
1 TO	3	.090002
1 TO	4	.341299
1 TO	5	.289182

24 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0174
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0076
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0189874

THE AMR FOR THIS RIFLE IS: .7404

9 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6645018

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 2.575

VS= 1.775

GS= 2.959

CENTROID.*

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.879	.690	.600
MINIMUM X	-1.697	-.810	-.724
MAXIMUM Y	.924	.853	.947
MINIMUM Y	-.851	-.922	-.828
CENTROID X	.014	.202	.116
CENTROID Y	.111	.182	.088
POA TO CENTROID in.	.112	.272	.145
MIN RADIUS	.305	.130	.205
MEAN RADIUS	.847	.710	.669
MAX RADIUS	1.812	1.092	1.119
HORIZONTAL SPREAD	2.575	1.500	1.324
VERTICAL SPREAD	1.775	1.775	1.775
EXTREME SPREAD	2.959	2.082	2.082
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

3 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6545018

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 5

2 in = 10

3 in = 10

HS= 1.414

VS= 1.369

GS= 1.423

CENTROID *

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	.623
MINIMUM X	-.791
MAXIMUM Y	.635
MINIMUM Y	-.734
CENTROID X	-.235
CENTROID Y	.114
POA TO CENTROID in.	.261
MIN RADIUS	.076
MEAN RADIUS	.465
MAX RADIUS	.791
HORIZONTAL SPREAD	1.414
VERTICAL SPREAD	1.369
EXTREME SPREAD	1.423
NUMBER IN ONE INCH CIRCLE	5
NUMBER IN TWO INCH CIRCLE	10
NUMBER IN THREE INCH CIRCLE	10

3 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649018

CENTERFIRE PATTERNS # 3

POB

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 2.675

VS= 2.197

CS= 3.462

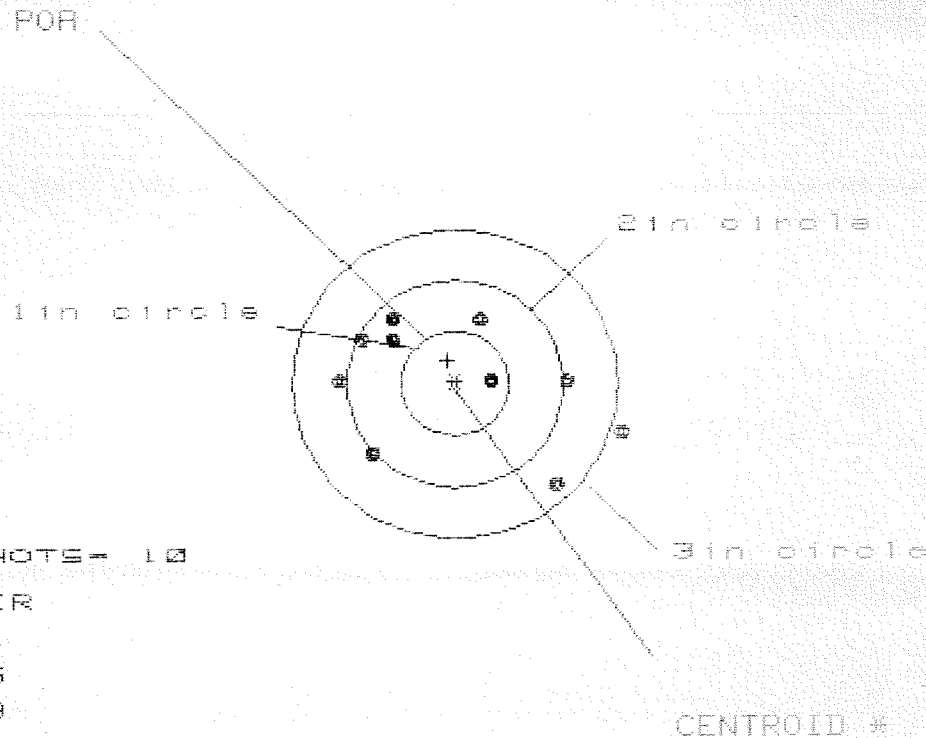
CENTROID #

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.342	1.194	.701
MINIMUM X	-1.333	-1.041	-.892
MAXIMUM Y	1.202	1.123	1.015
MINIMUM Y	-.995	-.861	-.694
CENTROID X	.101	.249	.100
CENTROID Y	.137	.003	.111
POB TO CENTROID in.	.170	.249	.150
MIN RADIUS	.171	.065	.149
MEAN RADIUS	.849	.721	.626
MAX RADIUS	1.795	1.472	1.032
HORIZONTAL SPREAD	2.675	2.235	1.593
VERTICAL SPREAD	2.197	1.984	1.709
EXTREME SPREAD	3.462	2.348	1.713
NUMBER IN ONE INCH CIRCLE =	3	3	3
NUMBER IN TWO INCH CIRCLE =	7	7	7
NUMBER IN THREE INCH CIRCLE =	8	8	8

2000 2001 2002 2003 2004

FILE:/PATTERNING/CENTERFIRE PATT/C6649018

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

117-1

151 - 152

QIN = 0

HS- 2, 595

VS= 1.663

GS = 2.544

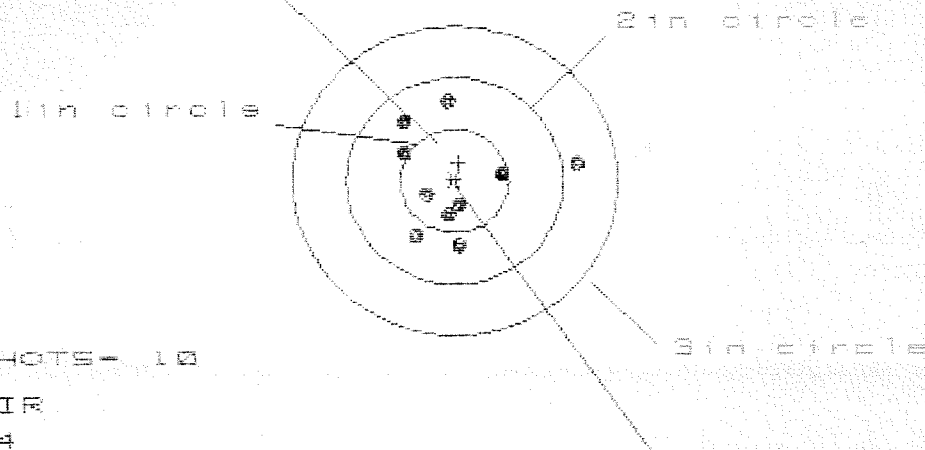
PATTERN #		1	4	5
SHOTS (BEST OF)		10	9	8
MAXIMUM	X	1.486	1.149	1.281
MINIMUM	X	-1.110	-.945	-.813
MAXIMUM	Y	.655	.602	.477
MINIMUM	Y	-.948	-1.001	-.825
CENTROID	X	.068	-.097	-.229
CENTROID	Y	-.226	-.173	-.048
POA TO CENTROID in.		.236	.199	.234
MIN RADIUS		.361	.530	.378
MEAN RADIUS		.952	.860	.744
MAX RADIUS		1.561	1.451	1.294
HORIZONTAL SPREAD		2.596	2.094	2.094
VERTICAL SPREAD		1.603	1.603	1.302
EXTREME SPREAD		2.644	2.247	2.094
NUMBER IN ONE INCH CIRCLE		=	1	
NUMBER IN TWO INCH CIRCLE		=	6	
NUMBER IN THREE INCH CIRCLE		=	9	

3 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649018

CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1in = 4

2in = 9

3in = 10

HS= 1.627

VS= 1.417

GS= 1.680

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.136	.589	.593
MINIMUM X	-.491	-.365	-.361
MAXIMUM Y	.800	.816	.677
MINIMUM Y	-.617	-.601	-.499
CENTROID X	-.035	-.161	-.165
CENTROID Y	-.174	-.190	-.292
POA TO CENTROID in.	.178	.249	.335
MIN RADIUS	.207	.198	.145
MEAN RADIUS	.589	.510	.446
MAX RADIUS	1.144	.817	.767
HORIZONTAL SPREAD	1.627	.954	.954
VERTICAL SPREAD	1.417	1.417	1.176
EXTREME SPREAD	1.680	1.425	1.300
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	10		