

C6611438

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington



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

MODEL 700TM H24

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

20

SERIAL NO.
C6611438

ORDER NO.
5716



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6611438

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/12/91	K.S.
600	Proof		3/12/91	K.S.
607	Check Headspace		3/12/91	K.S.
610	Dis-assemble Gun		3/12/91	K.S.
612	Magnaflux Barrel Action		3/27/91	KR
	Magnaflux Bolt		41	KR
615	Rollmark Caliber		3/27/91	L.S.
617	Drill and Tap Sight Holes	APR	3 1991	FB
618	Polish Barrel	APR	3 1991	WB
620	Apply Coatings (Barrel Action)		4-13-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/1/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/91	KS
	C) Inspect Ejector Hole for Chamfer		5/1/91	KS
	D) Oil Firing Pin Ass'y		5/1/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		5-15-91	JP

op. #	BARBER - M24 0076863	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7			5-15-91	JK
	G) Safety Off Force	4	4	4			5-15-91	JK
	H) Trigger Pull Test & Retainability						5-15-91	JK
	I) Firing Pin Indent	1021	1022	1022			5-15-91	JK
	J) Assemble Stock						5-1	KS
	K) Assemble Swivel Studs						5-15-91	KS
	L) Attach Front and Rear Sight Assemblies						5-15-91	KS
	M) Iron Sight Alignment						5-15-91	KS
	N) Detach Front & Rear Sights & place in numbered container						5-15-91	KS
	O) Attach Scope to Rifle						5-15-91	KS
	P) Detach & Attach Scope 20 Times						5-15-91	KS
640	Gallery Target & Test						5/16/91	KT
	A) Time						"	KT
	B) Malfunctions						"	KT
	C) Pierced Primers						"	KT
	D) Optical Clarity of Scope						"	KT
645	Inspect for Live Ammo						5/16/91	KT
655	Final Inspection							
	A) Headspace						5-20-91	KS
	B) Trigger Pull	2.61	2.53	2.65	2.65	2.60	5/20/91	JK
	C) Function						5-20-91	KS
660	Pack						6-17-91	KS

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

SERIAL NO C-6611438DATE 5-15-91TESTER JZ

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.54	2.48	2.40	2.61	MIN. SETTING,
PULL #2	2.46	2.40	2.43	2.53	NO AVG. OF 5
PULL #3	2.47	2.41	2.48	2.65	READINGS ACCEPT-
PULL #4	2.43	2.45	2.46	2.65	ABLE LESS THAN 2#
PULL #5	2.40	2.37	2.46	2.60	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.48	3.30		
PULL #2	3.37	3.31		
PULL #3	3.34	3.28		
PULL #4	3.31	3.31		
PULL #5	3.30	3.26		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.34		4.36
PULL #2	4.28	4.37		4.36
PULL #3	4.26	4.37		4.32
PULL #4	4.26	4.36		4.36
PULL #5	4.28	4.39		4.40
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611438
16 May 1991

CENTROIDAL DISTANCES

0 TO	1	.101863
1 TO	2	.455827
1 TO	3	.175414
1 TO	4	.29805
1 TO	5	.246045

21⁵ ←---POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: 5.038
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0292
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0479233
THE RMR FOR THIS RIFLE IS: 1.011

18 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611438

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 3

2in = 5

3in = 9

HS = 2.084

VS = 2.482

GS = 2.600

CENTROID *

PATTERN #

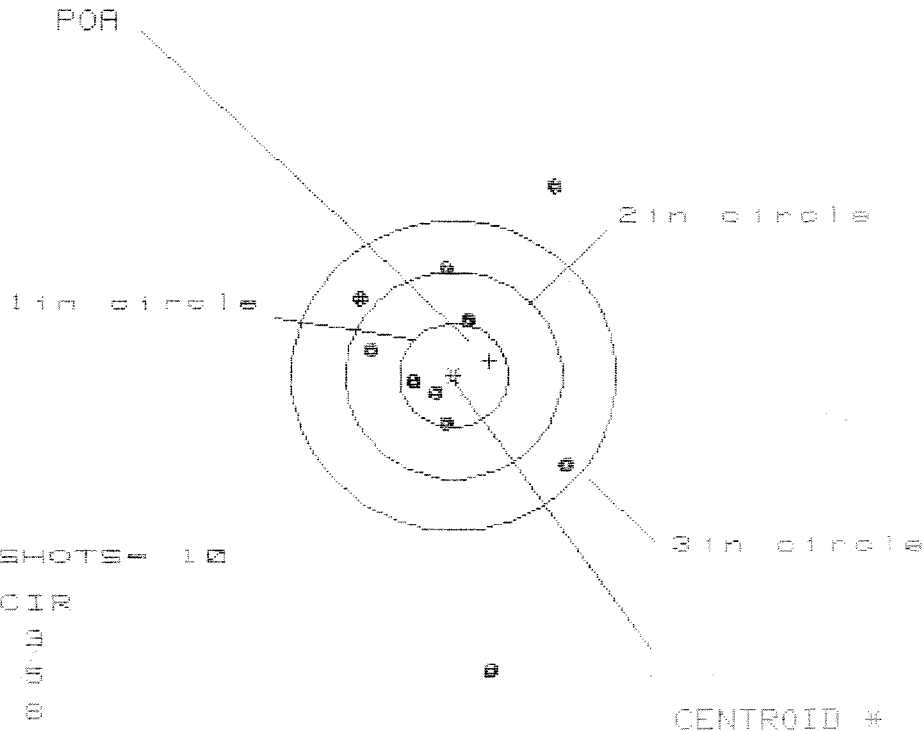
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.001	.967	.827
MINIMUM X	-1.083	-1.117	-.697
MAXIMUM Y	.933	.761	.832
MINIMUM Y	-1.549	-1.194	-1.099
CENTROID X	.070	.104	.244
CENTROID Y	.074	.246	.151
POA TO CENTROID in.	.102	.267	.287
MIN RADIUS	.072	.118	.086
MEAN RADIUS	.843	.747	.655
MAX RADIUS	1.579	1.352	1.301
HORIZONTAL SPREAD	2.084	2.084	1.524
VERTICAL SPREAD	2.482	1.955	1.931
EXTREME SPREAD	2.600	2.261	2.152
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

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FILE:/PATTERNING/CENTERFIRE_PATT/08611438

CENTERFIRE PATTERNS

2



OF SHOTS = 10

IN CIR

1in = 3

2in = 5

3in = 8

HS = 1.931

VS = 4.777

GS = 4.811

PATTERN #

2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.050	1.090	1.210
MINIMUM X	-0.881	-0.841	-0.721
MAXIMUM Y	1.880	1.558	.930
MINIMUM Y	-2.897	-1.203	-1.009
CENTROID X	-0.333	-0.372	-0.492
CENTROID Y	-0.139	.183	-0.011
POA TO CENTROID in.	.360	.414	.492
MIN RADIUS	.287	.248	.273
MEAN RADIUS	1.114	.887	.726
MAX RADIUS	2.919	1.831	1.575
HORIZONTAL SPREAD	1.931	1.931	1.931
VERTICAL SPREAD	4.777	2.761	1.939
EXTREME SPREAD	4.811	2.764	2.532
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

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FILE:/PATTERNING/CENTERFIRE_PATT/C8511438

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 10

HS = 2.363

VS = 1.897

GS = 2.451

PATTERN #

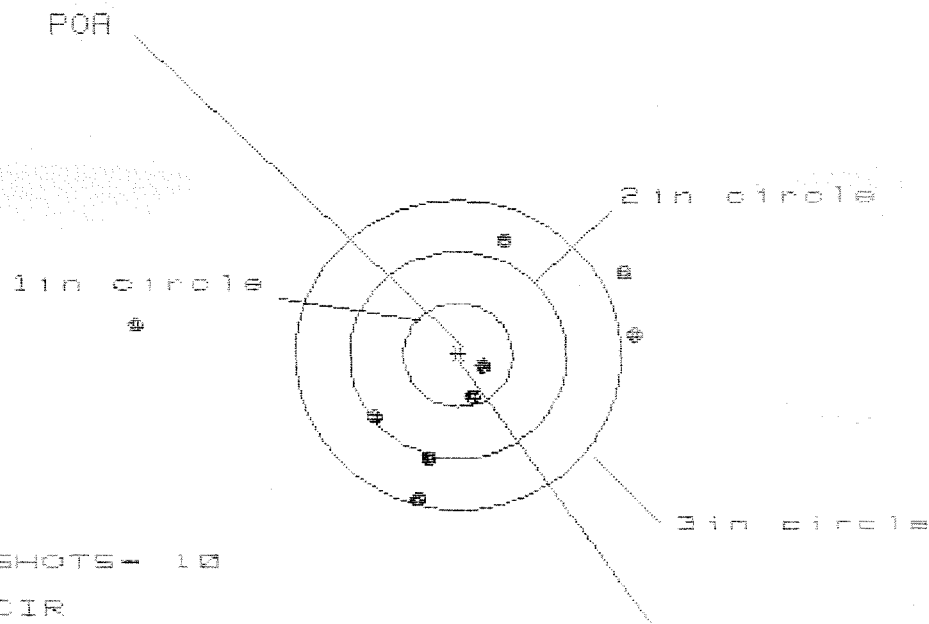
3

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.012	.862	.817
MINIMUM X	:	-1.351	-1.013	-1.058
MAXIMUM Y	:	1.183	1.168	.754
MINIMUM Y	:	-.714	-.729	-.583
CENTROID X	:	.023	.173	.218
CENTROID Y	:	-.095	-.080	-.226
POA TO CENTROID in.	:	.097	.191	.314
MIN RADIUS	:	.088	.232	.281
MEAN RADIUS	:	.880	.828	.758
MAX RADIUS	:	1.358	1.249	1.209
HORIZONTAL SPREAD	:	2.363	1.875	1.875
VERTICAL SPREAD	:	1.897	1.897	1.337
EXTREME SPREAD	:	2.451	2.242	2.242
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 3

3 in = 7

HS = 4.595

VS = 2.558

GS = 4.597

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.585	1.251	1.403
MINIMUM X	-3.010	-1.088	-.936
MAXIMUM Y	1.149	1.184	1.292
MINIMUM Y	-1.409	-1.374	-1.266
CENTROID X	-.227	.107	-.045
CENTROID Y	.099	.064	-.044
POA TO CENTROID in.	.248	.125	.063
MIN RADIUS	.264	.109	.078
MEAN RADIUS	1.290	1.054	.965
MAX RADIUS	3.026	1.540	1.435
HORIZONTAL SPREAD	4.595	2.339	2.339
VERTICAL SPREAD	2.558	2.558	2.558
EXTREME SPREAD	4.597	2.944	2.671
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

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FILE:/PATTERNING/CENTERFIRE_PATT/CGB11438

CENTERFIRE PATTERNS # 5

POA

11n circle

21n circle

31n circle

OF SHOTS- 10

IN CIR

11n = 3

21n = 6

31n = 9

HS= 3.343

VS= 2.949

GS= 3.962

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.349	.459	.469
MINIMUM X	-.894	-.633	-.622
MAXIMUM Y	1.748	.939	.813
MINIMUM Y	-1.201	-1.005	-.912
CENTROID X	.277	.016	.005
CENTROID Y	.207	.012	.138
POA TO CENTROID in.	.345	.020	.138
MIN RADIUS	.198	.384	.384
MEAN RADIUS	.926	.681	.624
MAX RADIUS	2.928	1.029	1.008
HORIZONTAL SPREAD	3.243	1.092	1.092
VERTICAL SPREAD	2.949	1.945	1.725
EXTREME SPREAD	3.962	2.010	1.918
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	