

C6636174

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.



Remington[®]


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

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

MODEL 700TM H24

20

SERIAL NO.
C6636174

ORDER NO.
5716

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



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636174

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		4/9/91	K.S.
600	Proof		4/9/91	K.S.
607	Check Headspace		4/9/91	K.S.
610	Dis-assemble Gun		4/9/91	K.S.
612	Magnaflux Barrel Action		4/10/91	KR
	Magnaflux Bolt		4/10/91	4
615	Rollmark Caliber		4/10/91	48
617	Drill and Tap Sight Holes		APR 19 1991	FB
618	Polish Barrel		APR 19 1991	WB
620	Apply Coatings (Barrel Action)		5-10-91	SA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/22/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/22/91	KS
	C) Inspect Ejector Hole for Chamfer		5/22/91	KS
	D) Oil Firing Pin Ass'y		5/22/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		5/24/91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/24/91	SL
	G) Safety Off Force	4	4	4			5/24/91	SL
	H) Trigger Pull Test & Retainability						5/24/91	SL
	I) Firing Pin Indent	.023	.0225	.0225			5/24/91	SL
	J) Assemble Stock						5/29/91	KS
	K) Assemble Swivel Studs						6-1-91	D/H
	L) Attach Front and Rear Sight Assemblies						5/29/91	KS
	M) Iron Sight Alignment						5/29/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/29/91	KS
	O) Attach Scope to Rifle						5/29/91	KS
	P) Detach & Attach Scope 20 Times						5/29/91	KS
640	Gallery Target & Test						5/31/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						5/31/91	KT
655	Final Inspection							
	A) Headspace						6-1-91	D/H
	B) Trigger Pull	2.40	2.46	2.48	2.26	2.40	6/1/91	SL
	C) Function						6-1-91	D/H
660	Pack						6-20-91	NE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + 50#
3.00# + 75#
4.00# + 100#

SERIAL NO. C663674DATE 5/24/91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.56	2.54	2.48	2.40	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.65	2.50	2.51	2.46	
PULL #3	2.63	2.44	2.53	2.48	
PULL #4	2.66	2.49	2.48	2.26	
PULL #5	2.64	2.51	2.33	2.40	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.50		
PULL #2	3.49	3.49		
PULL #3	3.53	3.57		
PULL #4	3.49	3.58		
PULL #5	3.45	3.53		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.52		4.37
PULL #2	4.46	4.57		4.54
PULL #3	4.22	4.57		4.45
PULL #4	4.39	4.46		4.44
PULL #5	4.52	4.51		4.48
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636174
30 May 1991

CENTROIDAL DISTANCES

0 TO	1	.28324
1 TO	2	.335073
1 TO	3	.373631
1 TO	4	.123167
1 TO	5	.0878635

 5 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1432
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0926
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .170532

THE AMR FOR THIS RIFLE IS: .9286

30 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636174

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS = 10

IN CIR

1in = 0

2in = 5

3in = 6

HS= 2.920

VS= 3.219

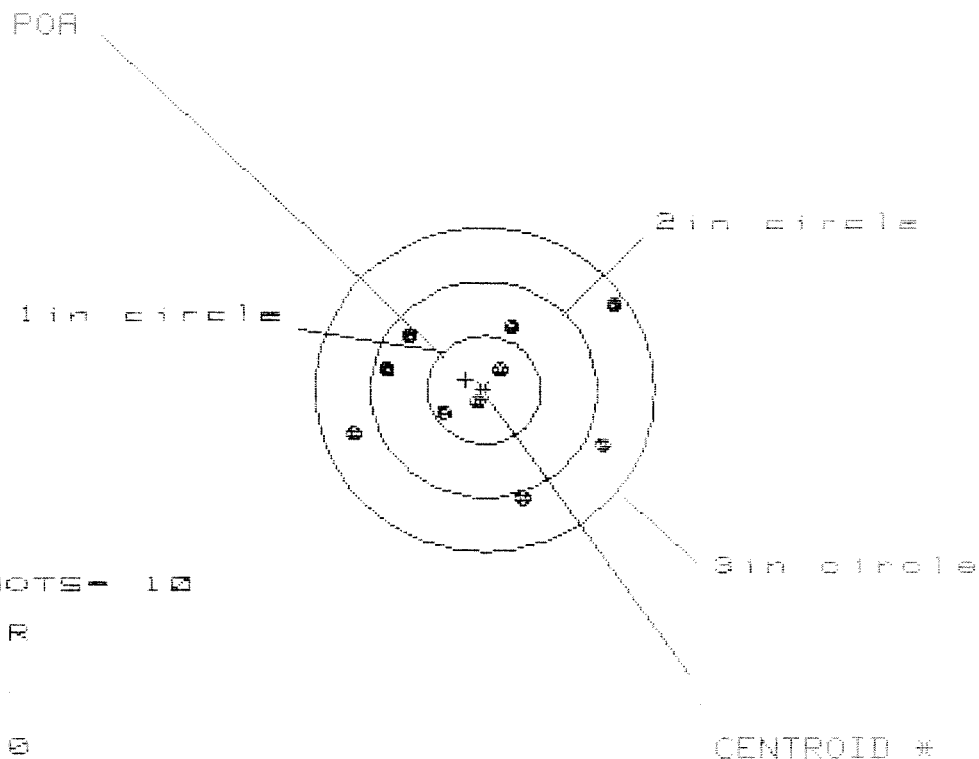
GS= 3.223

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.725	.663	.715
MINIMUM X	-1.203	-1.011	-.959
MAXIMUM Y	1.473	1.400	1.173
MINIMUM Y	-1.746	-1.819	-1.332
CENTROID X	.152	-.040	-.092
CENTROID Y	.239	.312	.539
POA TO CENTROID in.	.284	.314	.547
MIN RADIUS	.524	.480	.311
MEAN RADIUS	1.134	1.031	.864
MAX RADIUS	1.844	1.867	1.641
HORIZONTAL SPREAD	2.920	1.674	1.674
VERTICAL SPREAD	3.219	3.219	2.505
EXTREME SPREAD	3.223	3.223	2.972
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	6		

30 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C663B174

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 2.335

VS= 1.872

GS= 2.647

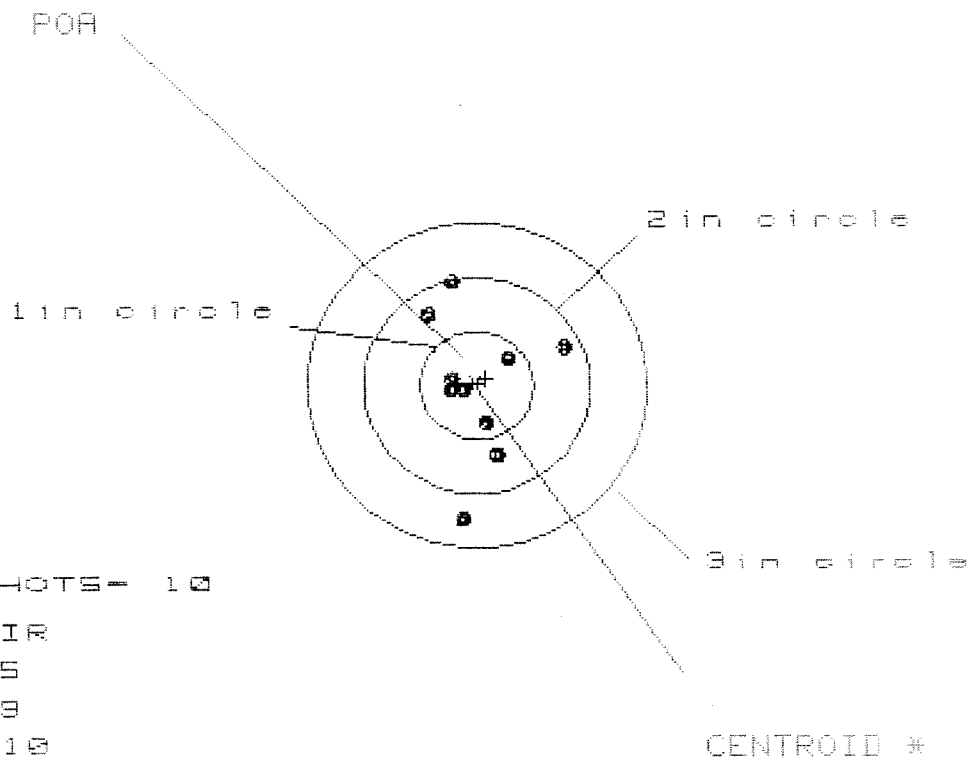
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.187	1.173	1.046
MINIMUM X	:	-1.148	-1.016	-.850
MAXIMUM Y	:	.829	.684	.643
MINIMUM Y	:	-1.043	-.951	-.992
CENTROID X	:	.159	.027	.154
CENTROID Y	:	-.096	-.188	-.147
POA TO CENTROID in.	:	.186	.190	.213
MIN RADIUS	:	.099	.107	.049
MEAN RADIUS	:	.797	.715	.660
MAX RADIUS	:	1.448	1.235	1.130
HORIZONTAL SPREAD	:	2.335	2.189	1.896
VERTICAL SPREAD	:	1.872	1.635	1.635
EXTREME SPREAD	:	2.647	2.190	1.999
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 5

2in = 9

3in = 10

HS= 1.114

VS= 2.138

GS= 2.138

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.726	.708	.683
MINIMUM X	-.388	-.406	-.431
MAXIMUM Y	.932	.798	.587
MINIMUM Y	-1.206	-.800	-.700
CENTROID X	-.076	-.058	-.033
CENTROID Y	-.057	.077	-.023
POA TO CENTROID in.	.095	.096	.041
MIN RADIUS	.169	.232	.222
MEAN RADIUS	.569	.501	.449
MAX RADIUS	1.217	.823	.769
HORIZONTAL SPREAD	1.114	1.114	1.114
VERTICAL SPREAD	2.138	1.598	1.287
EXTREME SPREAD	2.138	1.645	1.420
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.774

VS= 2.712

GS= 2.866

PATTERN #

4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.488	.922	1.006
MINIMUM X	-1.286	-1.121	-1.037
MAXIMUM Y	1.351	1.300	1.124
MINIMUM Y	-1.361	-1.412	-.653
CENTROID X	.243	.078	-.006
CENTROID Y	.156	.207	.383
POA TO CENTROID in.	.289	.221	.383
MIN RADIUS	.169	.283	.212
MEAN RADIUS	.997	.925	.829
MAX RADIUS	1.556	1.562	1.227
HORIZONTAL SPREAD	2.774	2.043	2.043
VERTICAL SPREAD	2.712	2.712	1.777
EXTREME SPREAD	2.866	2.724	2.156
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	

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CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS = 3.307

VS = 2.781

GS = 3.837

PATTERN #

5

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.245	1.127	.994
MINIMUM X	:	-1.062	-.812	-.671
MAXIMUM Y	:	1.760	1.676	1.309
MINIMUM Y	:	-1.021	-1.105	-.896
CENTROID X	:	.238	-.012	-.153
CENTROID Y	:	.221	.305	.096
POA TO CENTROID in.	:	.324	.305	.180
MIN RADIUS	:	.393	.289	.315
MEAN RADIUS	:	1.146	.979	.824
MAX RADIUS	:	2.371	2.019	1.471
HORIZONTAL SPREAD	:	3.307	1.939	1.666
VERTICAL SPREAD	:	2.781	2.781	2.205
EXTREME SPREAD	:	3.837	3.352	2.262
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	