

C6636238

MODEL 700™ M24

Model **SMS**™

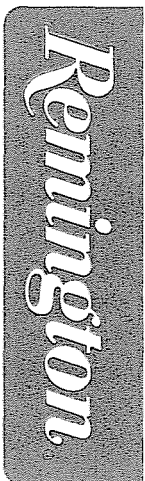
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington[®]

MODEL 700TM 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.

REMINGTON
REG. U.S. PAT. & T.M. OFF.

SERIAL NO. C6636238	20
ORDER NO. 5716	



5716 C6636238

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636238

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 30	91	RW
600	Proof	4 30	91	RW
607	Check Headspace	4 30	91	RW
610	Dis-assemble Gun	4 30	91	RW
612	Magnaflux Barrel Action	5 6	91	KCK
	Magnaflux Bolt	5 6	91	KCK
615	Rollmark Caliber	5 6	91	GB
617	Drill and Tap Sight Holes	5 10	91	LB
618	Polish Barrel	5 10	91	WB
620	Apply Coatings (Barrel Action)		5-30-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/30/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/30/91	RW
	C) Inspect Ejector Hole for Chamfer		5/30/91	RW
	D) Oil Firing Pin Ass'y		5/30/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6/8/91	WB

Op. #	DESCRIPTION	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			6/8/91	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			6/8/91	WB
	H) Trigger Pull Test & Retainability						6/8/91	WB
	I) Firing Pin Indent	.0205	.0215	.021			6/8/91	WB
	J) Assemble Stock						6/8/91	RW
	K) Assemble Swivel Studs						6-12-91	AT
	L) Attach Front and Rear Sight Assemblies						6/8/91	RW
	M) Iron Sight Alignment						6/8/91	RW
	N) Detach Front & Rear Sights & place in numbered container						6/8/91	RW
	O) Attach Scope to Rifle						6/8/91	RW
	P) Detach & Attach Scope 20 Times						6/8/91	RW
640	Gallery Target & Test						6/8/91	KJ
	A) Time						"	KJ
	B) Malfunctions						"	KJ
	C) Pierced Primers						"	KJ
	D) Optical Clarity of Scope						"	KJ
645	Inspect for Live Ammo						6/8/91	KJ
655	Final Inspection							
	A) Headspace						6-12-91	AT
	B) Trigger Pull	2.16	2.23	2.23	2.28	2.30	6-12-91	JH
	C) Function						6-12-91	AT
660	Pack						6-20-91	AT

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636238DATE 6/8/91TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.38	2.35	2.16	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.36	2.45	2.23	
PULL #3	2.43	2.26	2.52	2.23	
PULL #4	2.49	2.40	2.47	2.28	
PULL #5	2.48	2.42	2.44	2.30	
TOTAL	12.19	11.832	12.43		
AVG.	2.44	2.36	2.49		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.29		
PULL #2	3.26	3.25		
PULL #3	3.22	3.20		
PULL #4	3.26	3.29		
PULL #5	3.25	3.13		
TOTAL	16.27	16.16		
AVG.	3.25	3.23		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.08	4.11		4.11
PULL #2	4.09	4.13		4.17
PULL #3	4.20	4.20		4.14
PULL #4	4.14	4.13		4.11
PULL #5	4.14	4.22		4.16
TOTAL	20.65	20.79		20.69
AVG.	4.13	4.14		4.14

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06636238
8 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.0465296
1 TO	2	.203214
1 TO	3	.0785493
1 TO	4	.287793
1 TO	5	.0813204

←----FOR

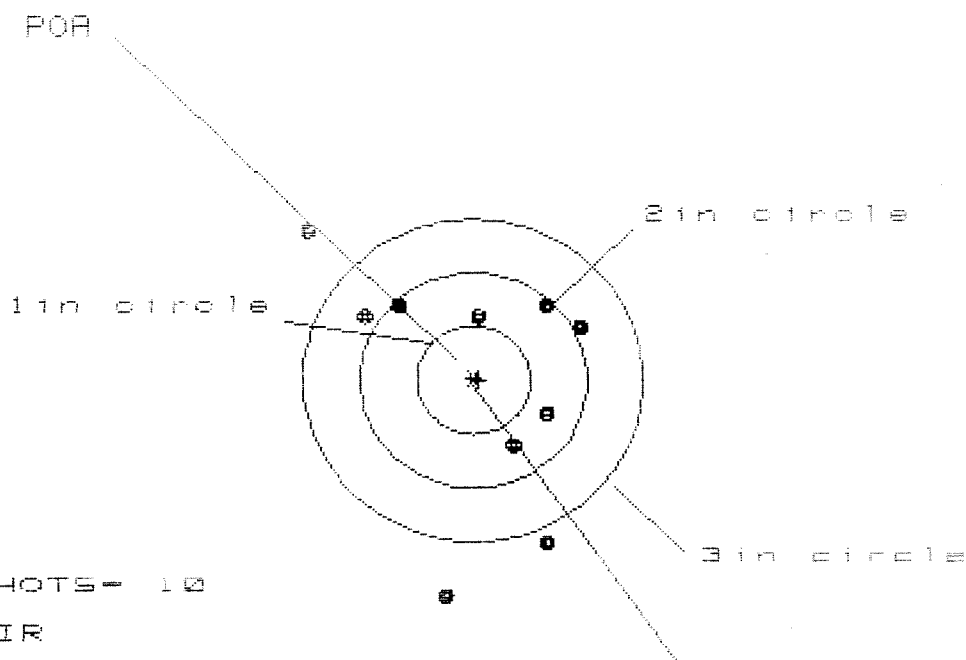
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0402
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0068
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0407711

THE AMR FOR THIS RIFLE IS: 1.047

8 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636238

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 7

HS= 2.384

VS= 3.402

GS= 3.625

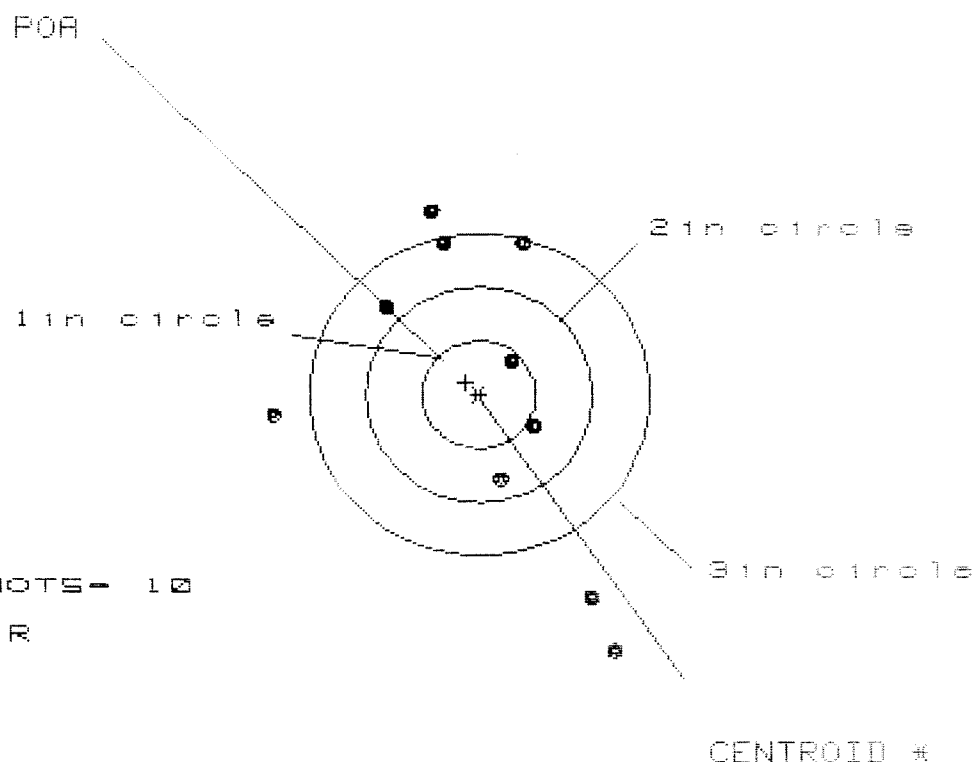
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.927	.765	.719
MINIMUM X	:	-1.457	-1.110	-1.156
MAXIMUM Y	:	1.406	.893	.663
MINIMUM Y	:	-1.996	-1.840	-1.602
CENTROID X	:	-.046	.116	.162
CENTROID Y	:	.007	-.149	.081
POA TO CENTROID in.	:	.047	.189	.181
MIN RADIUS	:	.645	.484	.567
MEAN RADIUS	:	1.176	1.062	.922
MAX RADIUS	:	2.025	1.876	1.664
HORIZONTAL SPREAD	:	2.384	1.875	1.875
VERTICAL SPREAD	:	3.402	2.733	2.265
EXTREME SPREAD	:	3.625	2.766	2.639
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	7		

8 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636238

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in - 1

2in - 3

3in - 6

HS= 3.061

VS= 4.094

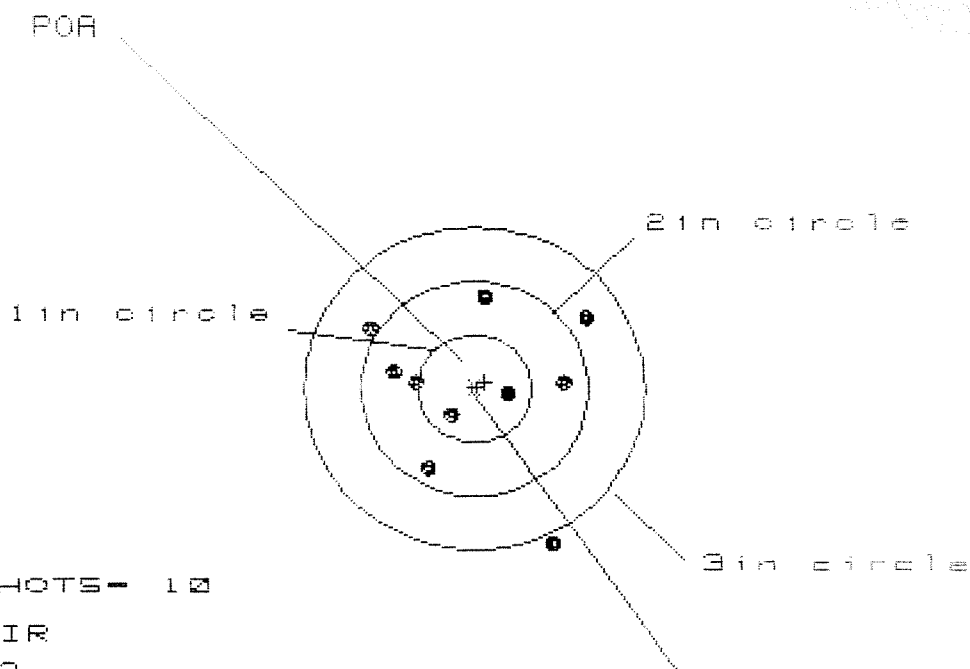
GS= 4.410

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.196	1.071	.795
MINIMUM X	:	-1.865	-1.732	-1.598
MAXIMUM Y	:	1.707	1.442	1.168
MINIMUM Y	:	-2.387	-2.191	-1.325
CENTROID X	:	.118	-.015	-.149
CENTROID Y	:	-.113	.152	.426
POA TO CENTROID in.	:	.163	.153	.451
MIN RADIUS	:	.451	.454	.624
MEAN RADIUS	:	1.425	1.257	1.075
MAX RADIUS	:	2.670	2.439	1.764
HORIZONTAL SPREAD	:	3.061	2.803	2.303
VERTICAL SPREAD	:	4.094	3.633	2.493
EXTREME SPREAD	:	4.410	3.887	2.731
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

8 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08635238

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 1.857

VS= 2.335

GS= 2.539

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.956	1.032	.971
MINIMUM X	:	-.901	-.825	-.696
MAXIMUM Y	:	.906	.747	.812
MINIMUM Y	:	-1.429	-.914	-.849
CENTROID X	:	-.087	-.163	-.292
CENTROID Y	:	-.060	.099	.034
POA TO CENTROID in.	:	.105	.191	.294
MIN RADIUS	:	.284	.424	.297
MEAN RADIUS	:	.821	.729	.649
MAX RADIUS	:	1.587	1.155	.971
HORIZONTAL SPREAD	:	1.857	1.857	1.667
VERTICAL SPREAD	:	2.335	1.661	1.661
EXTREME SPREAD	:	2.539	1.999	1.734
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6536238

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 4

2 in = 7

3 in = 8

HS = 2.534

VS = 2.794

GS = 3.772

PATTERN #

4

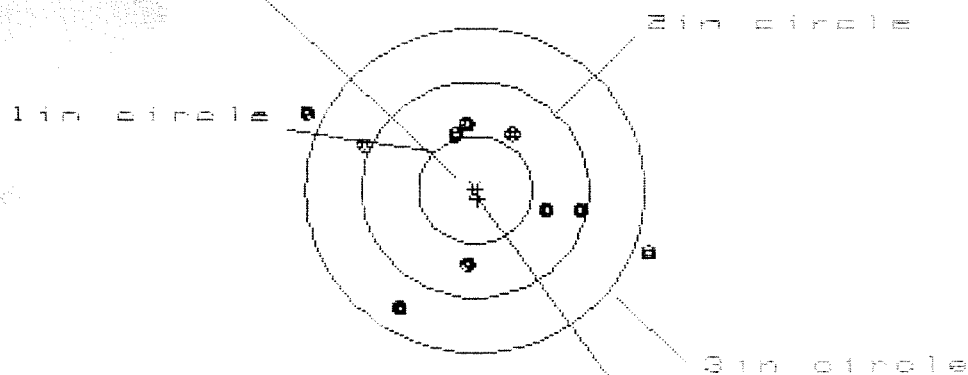
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.478	1.360	.941
MINIMUM X	:	-1.056	-1.114	-.944
MAXIMUM Y	:	1.643	.725	.604
MINIMUM Y	:	-1.151	-.969	-.480
CENTROID X	:	.239	.357	.187
CENTROID Y	:	.047	-.135	-.014
POA TO CENTROID in.	:	.244	.382	.187
MIN RADIUS	:	.191	.073	.211
MEAN RADIUS	:	.856	.700	.593
MAX RADIUS	:	1.953	1.670	1.121
HORIZONTAL SPREAD	:	2.534	2.474	1.885
VERTICAL SPREAD	:	2.794	1.694	1.084
EXTREME SPREAD	:	3.772	2.998	1.970
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

8 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636236

CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 6

3 in = 8

HS= 3.042

VS= 1.739

GS= 3.289

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.542	1.051	.885
MINIMUM X	-1.500	-1.328	-.947
MAXIMUM Y	.668	.603	.642
MINIMUM Y	-1.071	-1.136	-1.060
CENTROID X	-.023	-.195	-.029
CENTROID Y	.085	.150	.074
POA TO CENTROID in.	.088	.245	.079
MIN RADIUS	.530	.429	.538
MEAN RADIUS	.959	.877	.788
MAX RADIUS	1.649	1.459	1.240
HORIZONTAL SPREAD	3.042	2.379	1.832
VERTICAL SPREAD	1.739	1.739	1.702
EXTREME SPREAD	3.289	2.544	1.930
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	8	