

C6636036

MODEL 700™ M24

Model **SMS**™

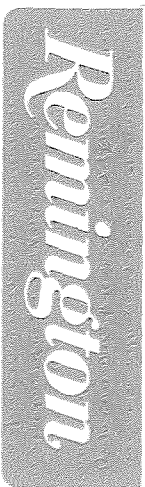
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington®

MODEL 700™ H24

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



5716 C6636036



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

SERIAL NO.	C6636036
ORDER NO.	5716

20

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636036

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 8	91	RW
600	Proof	4 8	91	RW
607	Check Headspace	3 3	81	RW
610	Dis-assemble Gun		01	RW
612	Magnaflux Barrel Action	APR 9 1991		KR
	Magnaflux Bolt	APR 9 1991		CC
615	Rollmark Caliber	APR 9 1991		GL
617	Drill and Tap Sight Holes	APR 19 1991		FB
618	Polish Barrel	APR 19 1991		WLB
620	Apply Coatings (Barrel Action)		5-10-91	JH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/16/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/16/91	RW
	C) Inspect Ejector Hole for Chamfer		5/16/91	RW
	D) Oil Firing Pin Ass'y		5/16/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5-16-91	fy

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5-17-91	AC
	G) Safety Off Force	3	3	3			5-17-91	AC
	H) Trigger Pull Test & Retainability						5-16-91	RL
	I) Firing Pin Indent	.021	.020	.020			5-17-91	AC
	J) Assemble Stock						5/18/91	RW
	K) Assemble Swivel Studs						5-23-91	D/H
	L) Attach Front and Rear Sight Assemblies						5/18/91	RW
	M) Iron Sight Alignment						5/18/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/18/91	RW
	O) Attach Scope to Rifle						5/18/91	RW
	P) Detach & Attach Scope 20 Times						5/18/91	RW
640	Gallery Target & Test						5-21-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						5-21-91	AF
655	Final Inspection							
	A) Headspace						5-23-91	D/H
	B) Trigger Pull	2.22	2.15	2.20	2.18	2.21	5/23/91	RL
	C) Function						5-23-91	D/H
660	Pack						6-20-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636036

DATE 5-16-91

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.25	2.53	2.48	2.22	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.57	2.46	2.15	
PULL #3	2.27	2.61	2.51	2.20	
PULL #4	2.56	2.30	2.38	2.18	
PULL #5	2.25	2.38	2.51	2.21	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.57	3.57		
PULL #2	3.32	3.46		
PULL #3	3.23	3.38		
PULL #4	3.26	3.18		
PULL #5	3.53	3.51		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.48	4.47		4.39
PULL #2	4.67	4.41		4.36
PULL #3	4.41	4.54		4.36
PULL #4	4.57	4.49		4.56
PULL #5	4.49	4.47		4.38
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636036
21 May 1991

CENTROIDAL DISTANCES

0 TO	1	.439659
1 TO	2	.486124
1 TO	3	.351205
1 TO	4	.879332
1 TO	5	.573733

4 ~~5~~ <----POA
1

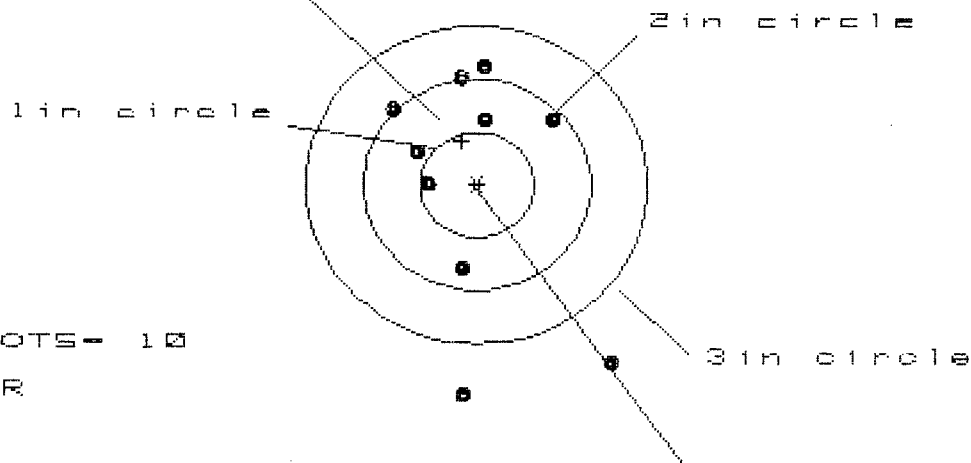
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: $-.0764$
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: $-.0642$
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.0997928$
THE AMR FOR THIS RIFLE IS: $.9568$

21 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636036

CENTERFIRE PATTERNS # 1

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 8

HS= 1.896

VS= 3.084

GS= 3.090

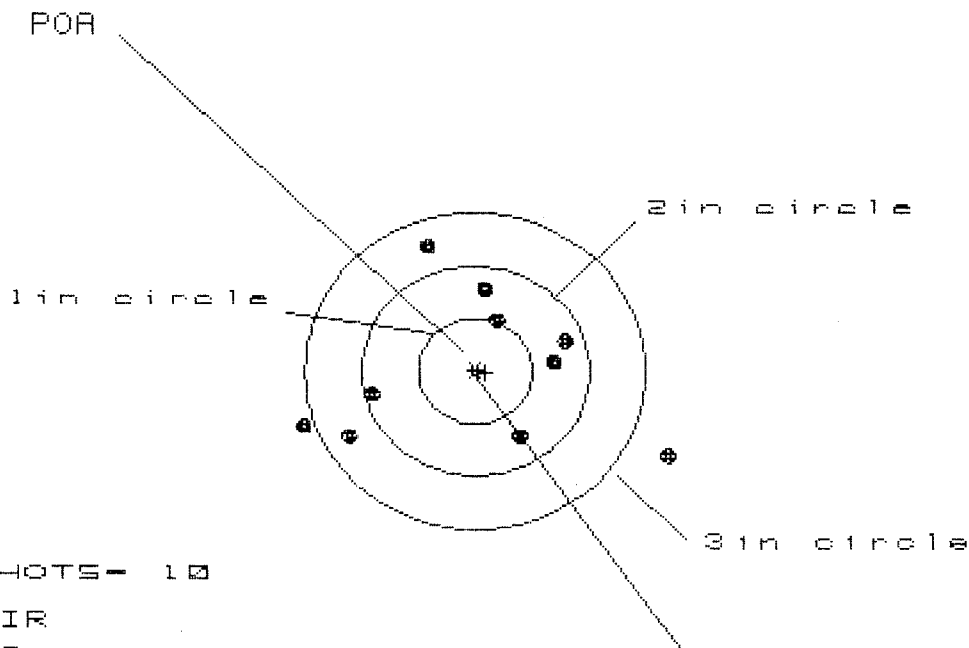
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.191	.815	.816
MINIMUM X	:	-.705	-.572	-.572
MAXIMUM Y	:	1.119	.927	.657
MINIMUM Y	:	-1.965	-2.157	-1.205
CENTROID X	:	.130	-.003	-.003
CENTROID Y	:	-.420	-.228	.041
POA TO CENTROID in.	:	.439	.228	.042
MIN RADIUS	:	.437	.346	.267
MEAN RADIUS	:	1.057	.868	.641
MAX RADIUS	:	2.095	2.157	1.205
HORIZONTAL SPREAD	:	1.896	1.387	1.387
VERTICAL SPREAD	:	3.084	3.084	1.862
EXTREME SPREAD	:	3.090	3.090	1.870
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	8		

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 0

2 in - 6

3 in = 8

HS= 3.227

VS= 1.988

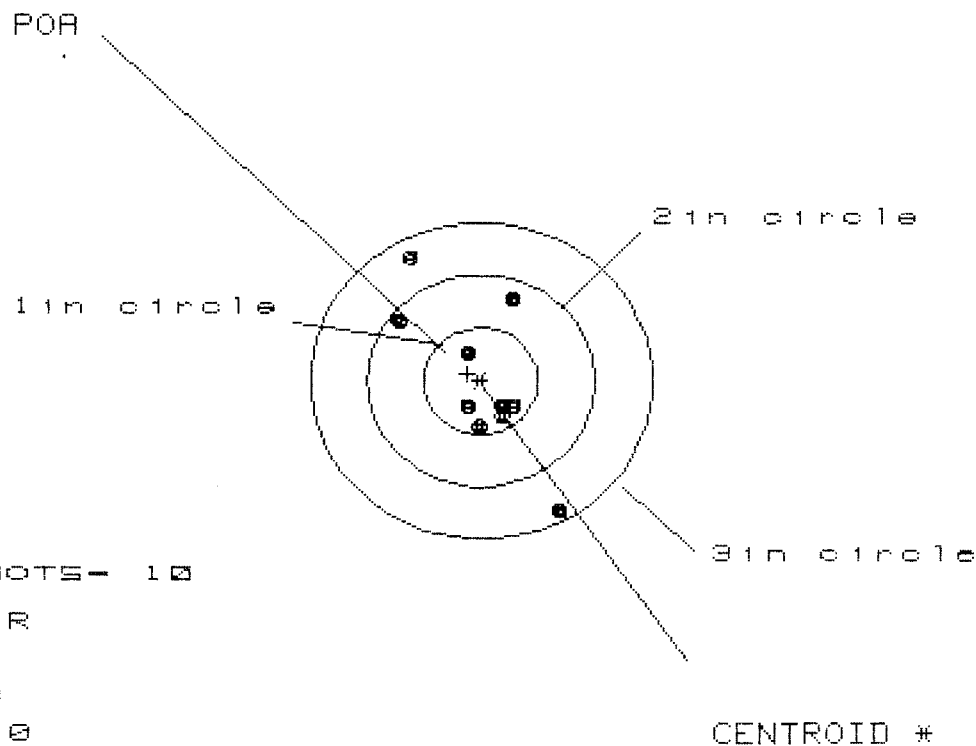
GS= 3.247

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.715	1.027	.862
MINIMUM X	:	-1.512	-1.322	-1.100
MAXIMUM Y	:	1.156	1.063	.993
MINIMUM Y	:	-.832	-.748	-.818
CENTROID X	:	-.089	-.279	-.114
CENTROID Y	:	.014	.107	.177
POA TO CENTROID in.	:	.090	.299	.211
MIN RADIUS	:	.545	.577	.415
MEAN RADIUS	:	1.059	.961	.865
MAX RADIUS	:	1.906	1.437	1.344
HORIZONTAL SPREAD	:	3.227	2.349	1.962
VERTICAL SPREAD	:	1.988	1.811	1.811
EXTREME SPREAD	:	3.247	2.472	2.162
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 6

2in = 8

3in = 10

HS= 1.395

VS= 2.388

GS= 2.736

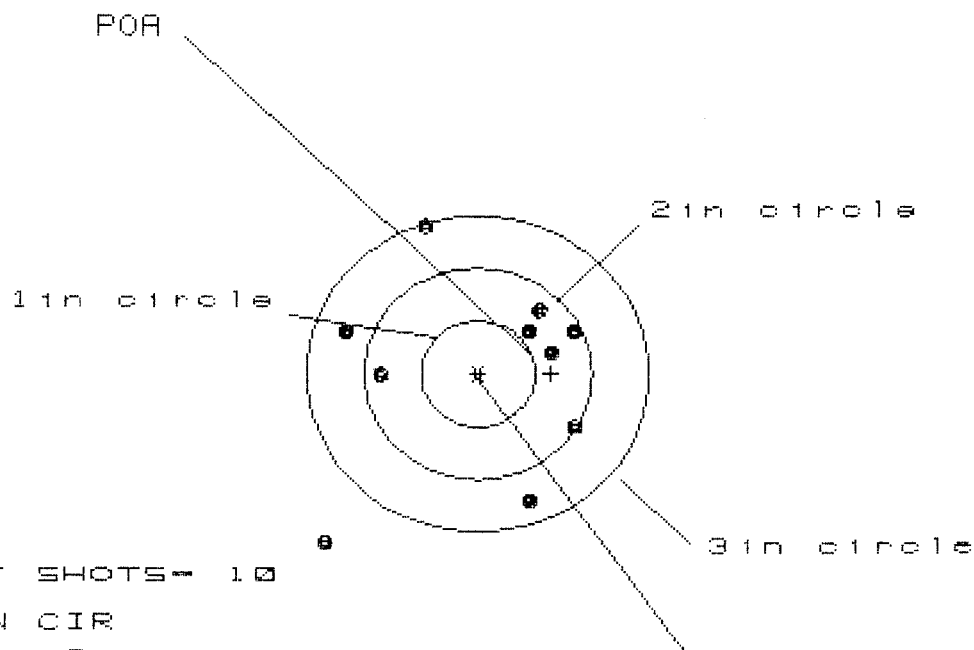
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.671	.598	.266
MINIMUM X	:	-.724	-.797	-.723
MAXIMUM Y	:	1.205	.878	.747
MINIMUM Y	:	-1.183	-1.049	-.466
CENTROID X	:	.118	.191	.117
CENTROID Y	:	-.069	-.203	-.072
POA TO CENTROID in.	:	.137	.279	.137
MIN RADIUS	:	.275	.182	.272
MEAN RADIUS	:	.652	.526	.472
MAX RADIUS	:	1.376	1.207	.903
HORIZONTAL SPREAD	:	1.395	1.395	.989
VERTICAL SPREAD	:	2.388	1.927	1.213
EXTREME SPREAD	:	2.736	2.216	1.269
NUMBER IN ONE INCH CIRCLE	=		6	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in - 0

2 in - 5

3 in - 9

HS- 2.206

VS- 2.967

GS- 3.092

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.871	.723	.646
MINIMUM X	:	-1.335	-1.338	-1.415
MAXIMUM Y	:	1.380	1.204	.622
MINIMUM Y	:	-1.587	-1.364	-1.213
CENTROID X	:	-.642	-.494	-.417
CENTROID Y	:	.001	.177	.026
POA TO CENTROID in.	:	.642	.525	.418
MIN RADIUS	:	.634	.415	.411
MEAN RADIUS	:	1.100	.932	.868
MAX RADIUS	:	2.073	1.404	1.451
HORIZONTAL SPREAD	:	2.206	2.061	2.061
VERTICAL SPREAD	:	2.967	2.568	1.835
EXTREME SPREAD	:	3.092	2.737	2.270
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 5

3 in = 8

HS= 3.349

VS= 1.854

GS= 3.828

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.851	1.127	.965
MINIMUM X	-1.498	-1.292	-.889
MAXIMUM Y	1.035	.715	.627
MINIMUM Y	-.819	-.704	-.571
CENTROID X	.101	-.105	.057
CENTROID Y	.153	.038	.126
POA TO CENTROID in.	.183	.111	.138
MIN RADIUS	.273	.117	.285
MEAN RADIUS	.916	.744	.661
MAX RADIUS	2.121	1.471	1.151
HORIZONTAL SPREAD	3.349	2.419	1.854
VERTICAL SPREAD	1.854	1.419	1.198
EXTREME SPREAD	3.828	2.804	2.092
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		