

C6636057

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 700TM H24

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

SERIAL NO.
C6636057

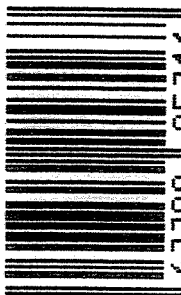
ORDER NO.
5716

20



5716 C6636057

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6636057**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		4/9/91	KS
600	Proof		4/9/91	KS
607	Check Headspace		4/9/91	KS
610	Dis-assemble Gun		4/9/91	KS
612	Magnaflux Barrel Action		4/10/91	KR
	Magnaflux Bolt		4/10/91	FL
615	Rollmark Caliber		4/18/91	GL
617	Drill and Tap Sight Holes		APR 19 1991	LB
618	Polish Barrel		APR 19 1991	WB
620	Apply Coatings (Barrel Action)		5-10-91	JA
	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	D/H

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5-24-91	DH
	G) Safety Off Force	3	3	3			5-24-91	DH
	H) Trigger Pull Test & Retainability						5-24-91	DH
	I) Firing Pin Indent	.020	.020	.020			5-24-91	DH
	J) Assemble Stock						5/24/91	KS
	K) Assemble Swivel Studs						6-1-91	DH
	L) Attach Front and Rear Sight Assemblies						5/24/91	KS
	M) Iron Sight Alignment						5/24/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/24/91	KS
	O) Attach Scope to Rifle						5/24/91	KS
	P) Detach & Attach Scope 20 Times						5/24/91	KS
640	Gallery Target & Test						5-28-91	AC
	A) Time						5-28-91	AC
	B) Malfunctions						5-28-91	AC
	C) Pierced Primers						5-28-91	AC
	D) Optical Clarity of Scope						5-28-91	AC
645	Inspect for Live Ammo						5-28-91	AC
655	Final Inspection							
	A) Headspace						6-1-91	DH
	B) Trigger Pull	2.56	2.54	2.53	2.47	2.48	6/1/91	JH
	C) Function						6-1-91	DH
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. C6636057
DATE 5-24-91
TESTER D/T

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.63	2.82	2.87	2.56	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.66	2.91	2.90	2.54	
PULL #3	2.78	2.73	2.53	2.53	
PULL #4	2.90	2.72	2.97	2.47	
PULL #5	2.88	2.51	2.92	2.48	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.26		
PULL #2	3.17	3.00		
PULL #3	3.24	3.22		
PULL #4	3.32	3.28		
PULL #5	3.32	3.18		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.43		4.16
PULL #2	4.26	4.13		4.17
PULL #3	4.23	4.19		4.12
PULL #4	4.32	4.17		4.23
PULL #5	4.32	4.32		4.07
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636057
22 May 1991

CENTROIDAL DISTANCES

0 TO	1	.0411947
1 TO	2	.157035
1 TO	3	.21849
1 TO	4	.494659
1 TO	5	.196163

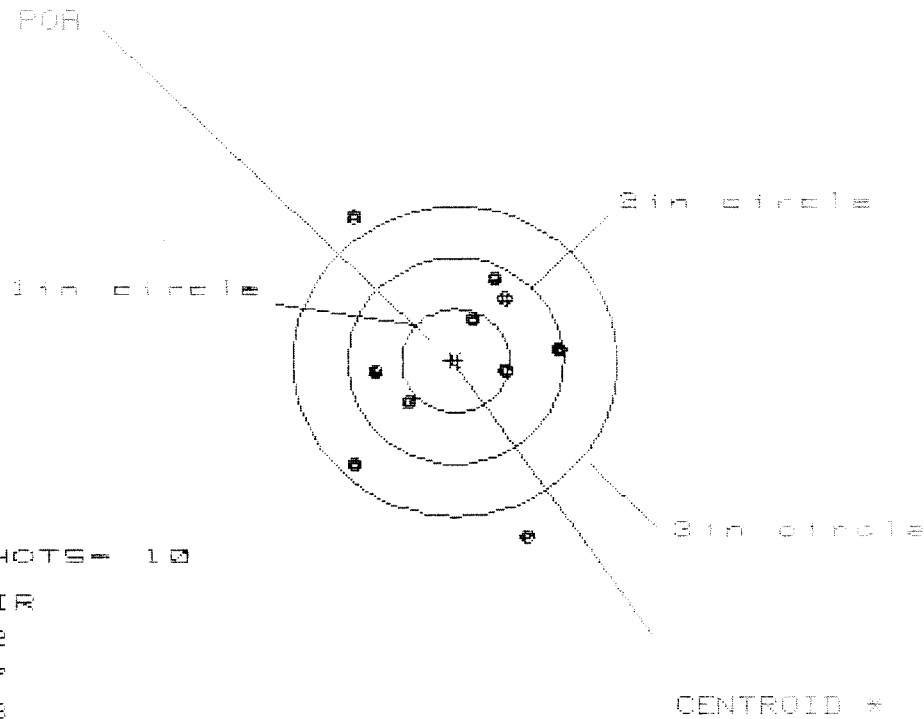
3
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4 <----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0604
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1506
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .162261

THE AMR FOR THIS RIFLE IS: .9546

FILE:/PATTERNING/CENTERFIRE_PATT/08836037

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 1.927

VS= 3.119

GS= 3.511

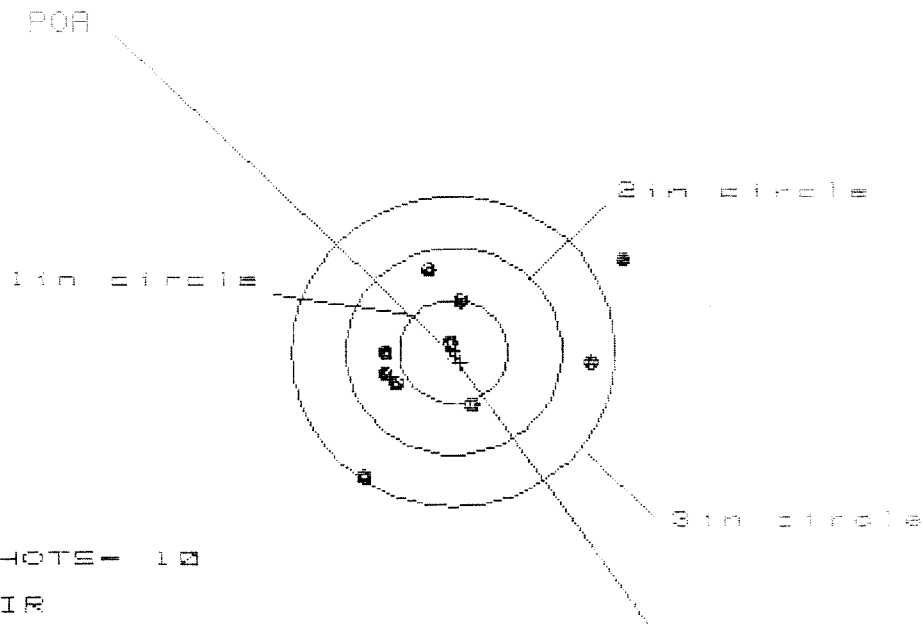
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.950	1.020	.907
MINIMUM X	-.977	-.907	-1.017
MAXIMUM Y	1.406	1.216	.814
MINIMUM Y	-1.713	-1.198	-1.046
CENTROID X	.041	-.029	.084
CENTROID Y	-.004	.186	.034
POA TO CENTROID in.	.041	.189	.091
MIN RADIUS	.412	.289	.363
MEAN RADIUS	.869	.860	.760
MAX RADIUS	1.827	1.517	1.459
HORIZONTAL SPREAD	1.927	1.927	1.924
VERTICAL SPREAD	3.119	2.414	1.860
EXTREME SPREAD	3.511	2.414	2.316
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

28 Feb 1981

FILE:/PATTERNING/CENTERFIRE_PATT/06636057

CENTERFIRE PATTERNS

2



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS = 2.407

VS = 2.159

GS = 3.233

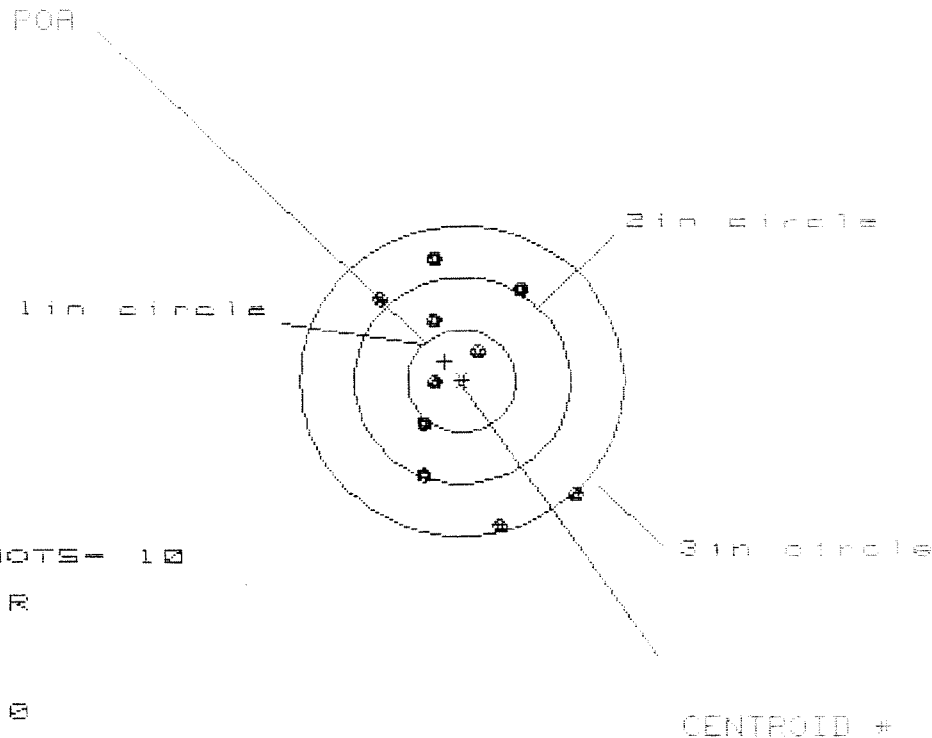
CENTROID *

PATTERN #	2	2	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.528	1.477	1.388
MINIMUM X	-0.879	-0.709	-0.571
MAXIMUM Y	.921	.891	.749
MINIMUM Y	-1.238	-1.135	-0.504
CENTROID X	-0.067	-0.237	-0.148
CENTROID Y	.110	.007	.149
POA TO CENTROID in.	.129	.237	.216
MIN RADIUS	.089	.212	.045
MEAN RADIUS	.842	.710	.618
MAX RADIUS	1.784	1.477	1.393
HORIZONTAL SPREAD	2.407	2.186	1.959
VERTICAL SPREAD	2.159	2.026	1.250
EXTREME SPREAD	3.233	2.475	1.961
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

26 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08836057

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS= 1.794

VS= 2.552

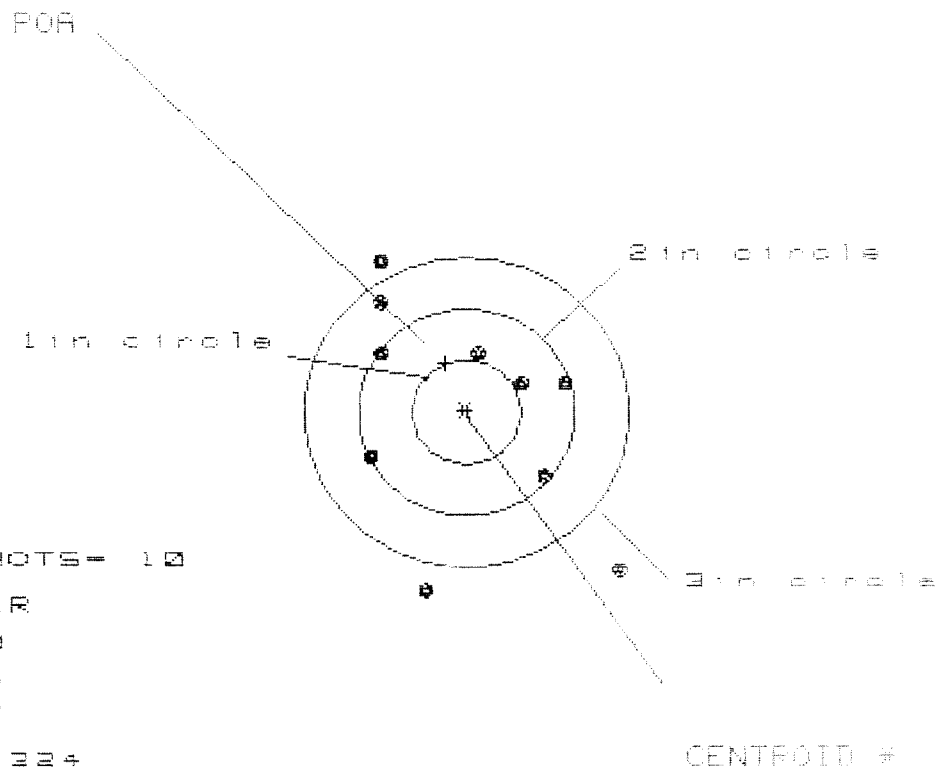
GS= 2.624

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.037	.675	.737
MINIMUM X	:	-.757	-.642	-.580
MAXIMUM Y	:	1.173	1.053	.866
MINIMUM Y	:	-1.379	-1.499	-1.189
CENTROID X	:	.154	.039	-.023
CENTROID Y	:	-.191	-.071	.116
POA TO CENTROID in.	:	.245	.081	.118
MIN RADIUS	:	.266	.178	.293
MEAN RADIUS	:	.903	.805	.687
MAX RADIUS	:	1.493	1.578	1.199
HORIZONTAL SPREAD	:	1.794	1.317	1.317
VERTICAL SPREAD	:	2.552	2.552	2.055
EXTREME SPREAD	:	2.624	2.624	2.057
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

28 May 1991

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CENTERFIRE PATTERNS # 4

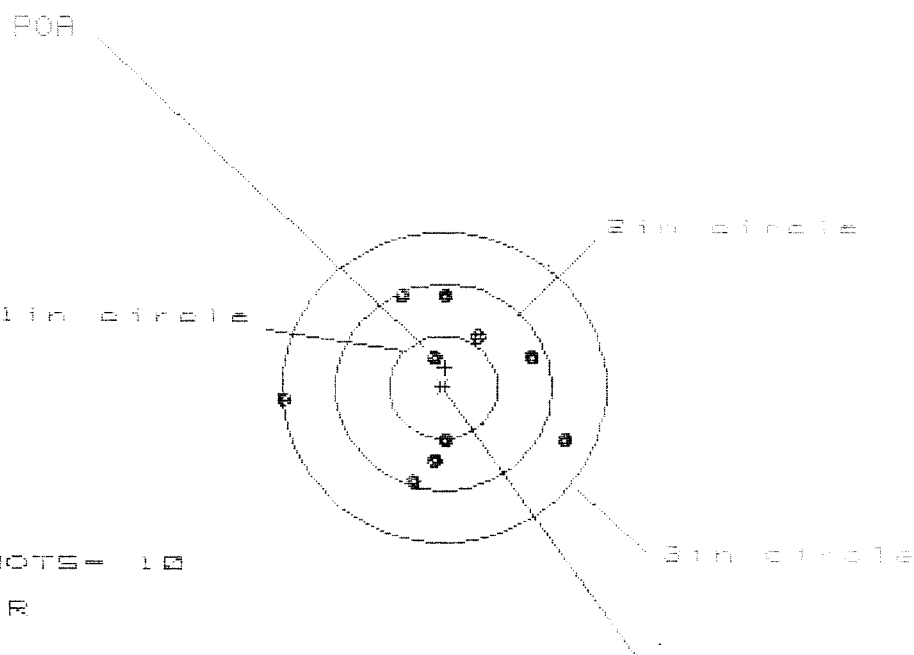


PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.433	1.120	1.090
MINIMUM X	:	-0.891	-0.731	-0.761
MAXIMUM Y	:	1.490	1.317	1.084
MINIMUM Y	:	-1.689	-1.862	-1.025
CENTROID X	:	.189	.029	.059
CENTROID Y	:	-.476	-.303	-.070
POA TO CENTROID in.	:	.512	.305	.092
MIN RADIUS	:	.563	.465	.281
MEAN RADIUS	:	1.204	1.076	.934
MAX RADIUS	:	2.116	1.877	1.343
HORIZONTAL SPREAD	:	2.324	1.851	1.851
VERTICAL SPREAD	:	3.179	3.179	2.109
EXTREME SPREAD	:	3.777	3.205	2.611
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

28 May 1981

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 8

3 in = 10

IS = 2.610

VS = 1.801

GS = 2.640

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.144	.981	.742
MINIMUM X	:	-1.466	-.507	-.384
MAXIMUM Y	:	.873	.857	.789
MINIMUM Y	:	-.928	-.944	-1.012
CENTROID X	:	-.015	.148	.025
CENTROID Y	:	-.192	-.176	-.188
POA TO CENTROID in.	:	.192	.230	.111
MIN RADIUS	:	.273	.350	.217
MEAN RADIUS	:	.855	.777	.715
MAX RADIUS	:	1.473	1.124	1.069
HORIZONTAL SPREAD	:	2.610	1.488	1.126
VERTICAL SPREAD	:	1.801	1.801	1.801
EXTREME SPREAD	:	2.640	2.047	1.816
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	