

C6636297

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.

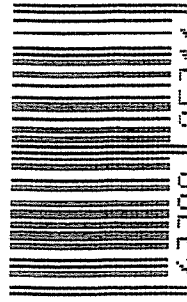
MODEL 700™ M24

SERIAL NO.
C6636297

ORDER NO.
5716

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

LPC



0 47700 25716 7

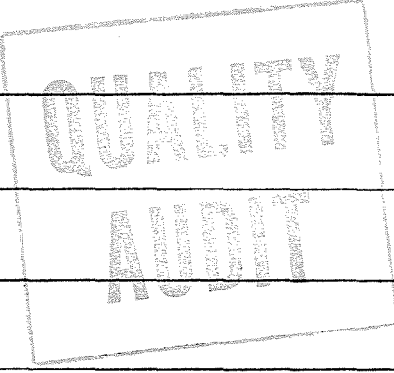


5716 C6636297

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6636297

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		5/3/91	KS
600	Proof		5/3/91	KS
607	Check Headspace		5/3/91	KS
610	Dis-assemble Gun		5/3/91	KS
612	Magnaflux Barrel Action	5 8 9 1		KCR
	Magnaflux Bolt	5 8 9 1		KCR
615	Rollmark Caliber	5 8 9 1		GB
617	Drill and Tap Sight Holes	5 15 9 1		EB
618	Polish Barrel	5 15 9 1		WB
620	Apply Coatings (Barrel Action)		5-25-91	
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/31/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/30/91	KS
	C) Inspect Ejector Hole for Chamfer		5/30/91	KS
	D) Oil Firing Pin Ass'y		5/31/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		6/3/91	

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			6/3/91	JK
	G) Safety Off Force	4	4	4			6/3/91	JK
	H) Trigger Pull Test & Retainability						6/3/91	JK
	I) Firing Pin Indent	.0215	.0225	.0225			6/3/91	JK
	J) Assemble Stock						6/3/91	KS
	K) Assemble Swivel Studs						6-14-91	JK
	L) Attach Front and Rear Sight Assemblies						6/3/91	KS
	M) Iron Sight Alignment						6/3/91	KS
	N) Detach Front & Rear Sights & place in numbered container						6/3/91	KS
	O) Attach Scope to Rifle						6/3/91	KS
	P) Detach & Attach Scope 20 Times						6/3/91	KS
640	Gallery Target & Test						6/4/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						6/4/91	KT
655	Final Inspection							
	A) Headspace						6-14-91	JK
	B) Trigger Pull	2.31	2.26	2.34	2.28	2.27	6-14-91	JK
	C) Function						6-14-91	JK
660	Pack						6-19-91	KS

SWS TRIGGER PULL TEST

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

SERIAL NO. C6636297
DATE 6/3/81
TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.76	2.46	2.40	2.31	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.20	2.29	2.35	2.26	
PULL #3	2.59	2.52	2.38	2.34	
PULL #4	2.49	2.24	2.43	2.28	
PULL #5	2.45	2.44	2.41	2.27	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.57	3.47		
PULL #2	3.50	3.53		
PULL #3	3.52	3.51		
PULL #4	3.44	3.52		
PULL #5	3.50	3.48		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.16		4.26
PULL #2	4.19	4.20		4.19
PULL #3	4.21	4.25		4.29
PULL #4	4.17	4.24		4.28
PULL #5	4.23	4.23		4
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636297
4 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.28768
1 TO	2	.196573
1 TO	3	.374172
1 TO	4	.171082
1 TO	5	.221335

 <----POI

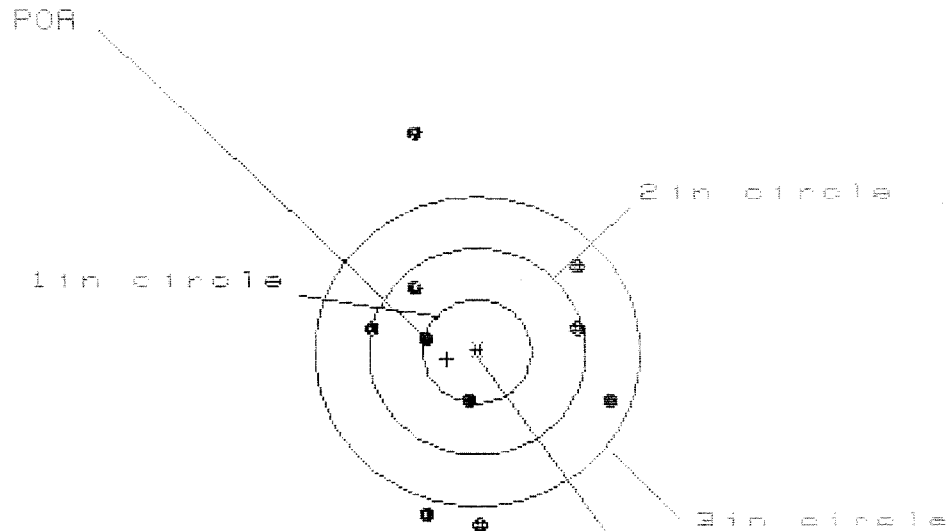
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .226
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0244
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .227313

THE AMR FOR THIS RIFLE IS: 1.079

4 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636297

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 7

HS= 2.176

VS= 3.773

GS= 3.825

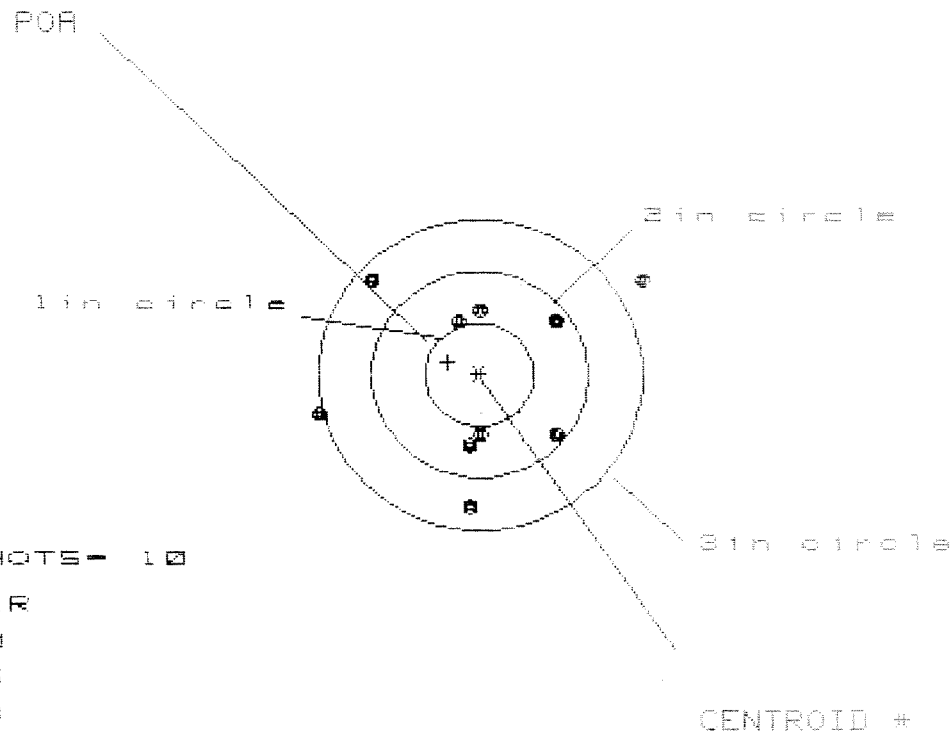
CENTROID #

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.218	1.156	1.157
MINIMUM X	:	-.958	-1.020	-1.019
MAXIMUM Y	:	2.118	1.041	.864
MINIMUM Y	:	-1.655	-1.420	-1.504
CENTROID X	:	.278	.340	.339
CENTROID Y	:	.074	-.161	.017
POA TO CENTROID in.	:	.287	.376	.340
MIN RADIUS	:	.463	.278	.429
MEAN RADIUS	:	1.182	1.060	1.001
MAX RADIUS	:	2.190	1.428	1.594
HORIZONTAL SPREAD	:	2.176	2.176	2.176
VERTICAL SPREAD	:	3.773	2.461	2.367
EXTREME SPREAD	:	3.825	2.761	2.761
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	5		
NUMBER IN THREE INCH CIRCLE =	:	7		

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CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 0

2in = 6

3in = 8

HS = 3.012

VS = 2.148

GS = 3.256

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.525	.875	.711
MINIMUM X	:	-1.487	-1.318	-.993
MAXIMUM Y	:	.897	.994	.962
MINIMUM Y	:	-1.251	-1.154	-1.186
CENTROID X	:	.293	.124	.288
CENTROID Y	:	-.122	-.219	-.187
POA TO CENTROID in.	:	.317	.252	.343
MIN RADIUS	:	.541	.477	.477
MEAN RADIUS	:	1.017	.928	.857
MAX RADIUS	:	1.768	1.343	1.382
HORIZONTAL SPREAD	:	3.012	2.193	1.784
VERTICAL SPREAD	:	2.148	2.148	2.148
EXTREME SPREAD	:	3.256	2.388	2.327
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

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 2

2in = 4

3in = 7

HS = 4.733

VS = 2.963

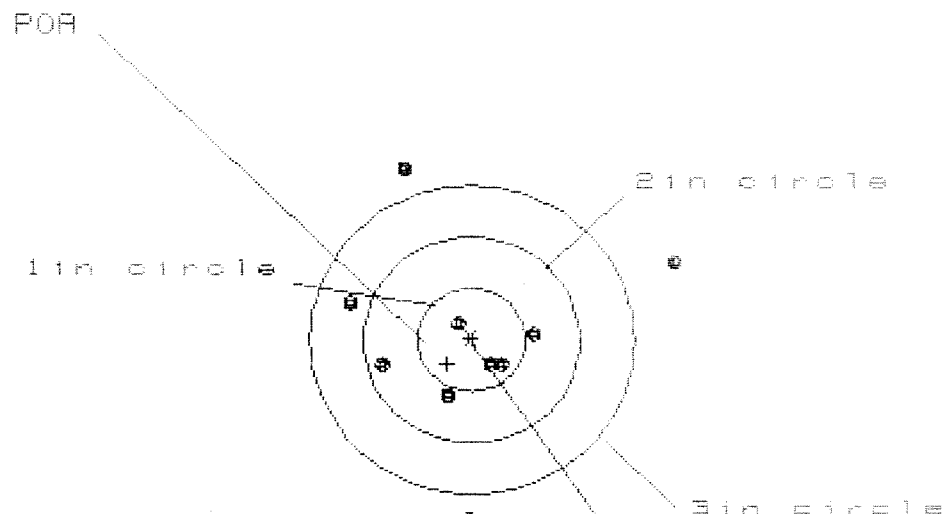
GS = 4.897

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.501	2.253	1.203
MINIMUM X	:	-2.232	-.677	-.396
MAXIMUM Y	:	1.743	1.608	1.595
MINIMUM Y	:	-1.220	-1.209	-1.222
CENTROID X	:	.216	.464	.183
CENTROID Y	:	-.295	-.160	-.147
POA TO CENTROID in.	:	.366	.491	.235
MIN RADIUS	:	.250	.530	.301
MEAN RADIUS	:	1.306	1.208	1.008
MAX RADIUS	:	2.544	2.255	1.638
HORIZONTAL SPREAD	:	4.733	2.930	1.599
VERTICAL SPREAD	:	2.963	2.817	2.917
EXTREME SPREAD	:	4.897	3.369	3.064
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			7	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 7

HS= 3.057

VS= 3.415

GS= 3.482

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.926	.837	.865
MINIMUM X	:	-1.131	-.917	-.839
MAXIMUM Y	:	1.632	1.718	1.566
MINIMUM Y	:	-1.783	-1.697	-.639
CENTROID X	:	.223	.009	-.019
CENTROID Y	:	.236	.150	.362
POA TO CENTROID in.	:	.325	.150	.353
MIN RADIUS	:	.234	.247	.076
MEAN RADIUS	:	.977	.845	.742
MAX RADIUS	:	2.075	1.776	1.564
HORIZONTAL SPREAD	:	3.057	1.754	1.754
VERTICAL SPREAD	:	3.415	3.415	2.145
EXTREME SPREAD	:	3.482	3.482	2.182
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

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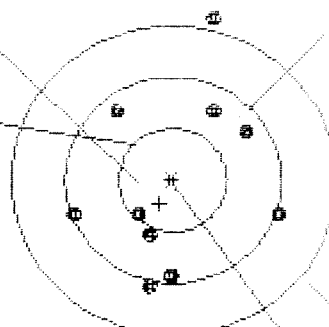
CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 1.934

VS= 2.581

GS= 2.644

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.976	1.013	.987
MINIMUM X	:	-.958	-.921	-.948
MAXIMUM Y	:	1.576	.855	.751
MINIMUM Y	:	-1.005	-.829	-.881
CENTROID X	:	.120	.083	.109
CENTROID Y	:	.229	.053	.157
POA TO CENTROID in.	:	.258	.099	.192
MIN RADIUS	:	.431	.306	.378
MEAN RADIUS	:	.911	.800	.800
MAX RADIUS	:	1.611	1.024	1.019
HORIZONTAL SPREAD	:	1.934	1.934	1.934
VERTICAL SPREAD	:	2.581	1.684	1.632
EXTREME SPREAD	:	2.644	1.934	1.934
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	