

06636239

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington




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

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

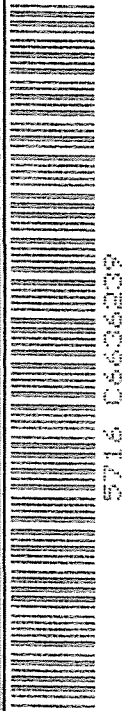
MODEL 700™ H24

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

SERIAL NO.
C6636239

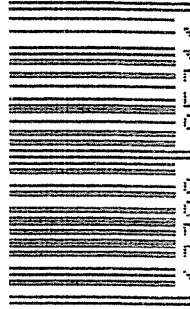
ORDER NO.
5716

20



5716 C6636239

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6636239

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/27/91	KH
600	Proof		6/27/91	KH
607	Check Headspace		6/27/91	KH
610	Dis-assemble Gun		6/27/91	KH
612	Magnaflux Barrel Action		JUL 2 1991	KR
	Magnaflux Bolt		JUL 2 1991	KR
615	Rollmark Caliber		JUL 2 1991	KR
617	Drill and Tap Sight Holes		JUL 2 1991	FB
618	Polish Barrel		JUL 7 1991	WB
620	Apply Coatings (Barrel Action)		8/6/91	HA
	Apply Coating (Bolt)		8/6/91	HA
625	Final Assembly A) Clean inside of Bolt Assembly		8/15/91	KH
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/15/91	KH
	C) Inspect Ejector Hole for Chamfer		8/15/91	KH
	D) Oil Firing Pin Ass'y		8/15/91	KH
	E) Adjust Trigger Pull to Min Setting and Stake		8/16/91	WB

Op. #	OP. NAME	READINGS					DATE	INITIALS
625 cont.	F) Safety On Force	4 ³ / ₄	4 ³ / ₄	4 ³ / ₄			8/16/91	WB
	G) Safety Off Force	2	2	2			8/16/91	WB
	H) Trigger Pull Test & Retainability						8/16/91	WB
	I) Firing Pin Indent	.0225	.0215	.022			8/16/91	WB
	J) Assemble Stock						8/19/91	KH
	K) Assemble Swivel Studs						8-21-91	Ac
	L) Attach Front and Rear Sight Assemblies						8/19/91	KH
	M) Iron Sight Alignment						8/19/91	KH
	N) Detach Front & Rear Sights & place in numbered container						8/19/91	KH
	O) Attach Scope to Rifle						8/19/91	KH
	P) Detach & Attach Scope 20 Times						8/19/91	KH
640	Gallery Target & Test						8/20/91	KH
	A) Time							KH
	B) Malfunctions							KH
	C) Pierced Primers							KH
	D) Optical Clarity of Scope							KH
645	Inspect for Live Ammo						8/20/91	KH
655	Final Inspection							
	A) Headspace						8-21-91	Ac
	B) Trigger Pull	277	263	279	280	270	8-21-91	DH
	C) Function						8-21-91	Ac
660	Pack						9-19-91	NF

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636239
23 Aug 1991

CENTROIDAL DISTANCES

0 TO 1	.116703
1 TO 2	.240077
1 TO 3	.145602
1 TO 4	.217276
1 TO 5	.0725328

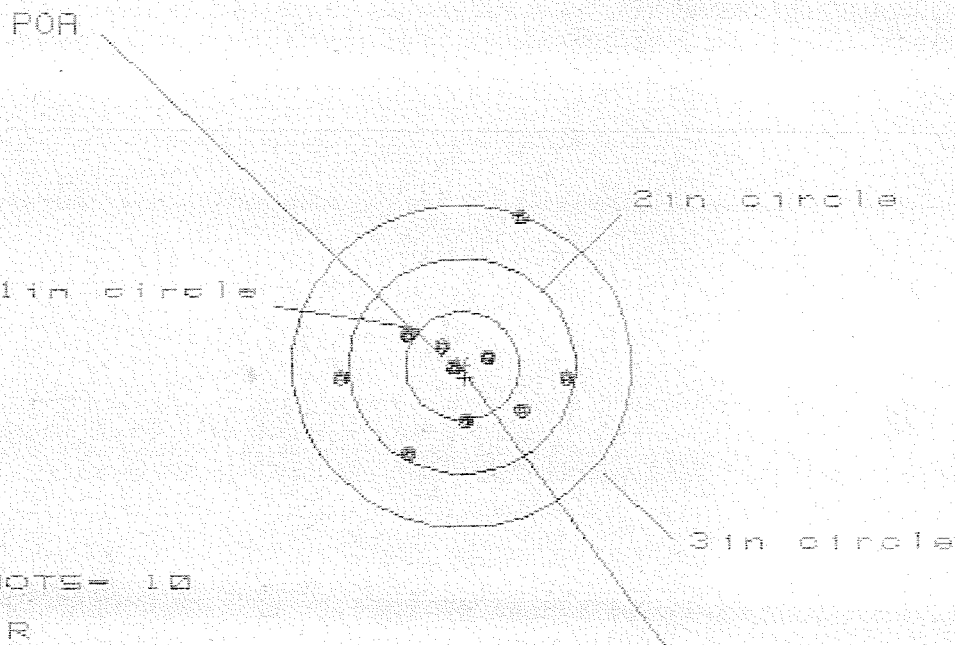
AB <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0614
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0154
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0633618
THE AMR FOR THIS RIFLE IS: .9322

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/05636239

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 9

HS= 1.984

VS= 2.219

GS= 2.431

CENTROID #

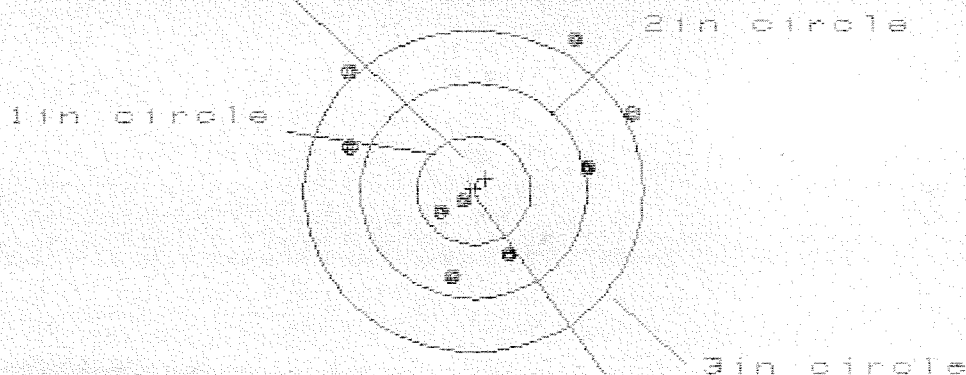
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.913	.975	.849
MINIMUM X	-1.071	-1.009	-.567
MAXIMUM Y	1.418	.405	.412
MINIMUM Y	-.801	-.643	-.636
CENTROID X	-.025	-.086	.040
CENTROID Y	.114	-.044	-.051
POA TO CENTROID in.	.116	.097	.065
MIN RADIUS	.046	.169	.207
MEAN RADIUS	.672	.584	.523
MAX RADIUS	1.523	1.011	.851
HORIZONTAL SPREAD	1.984	1.984	1.416
VERTICAL SPREAD	2.219	1.048	1.048
EXTREME SPREAD	2.431	1.984	1.518
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636239

CENTERFIRE PATTERNS # 2

POA



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 6

HS= 2.447

VS= 3.675

GS= 4.141

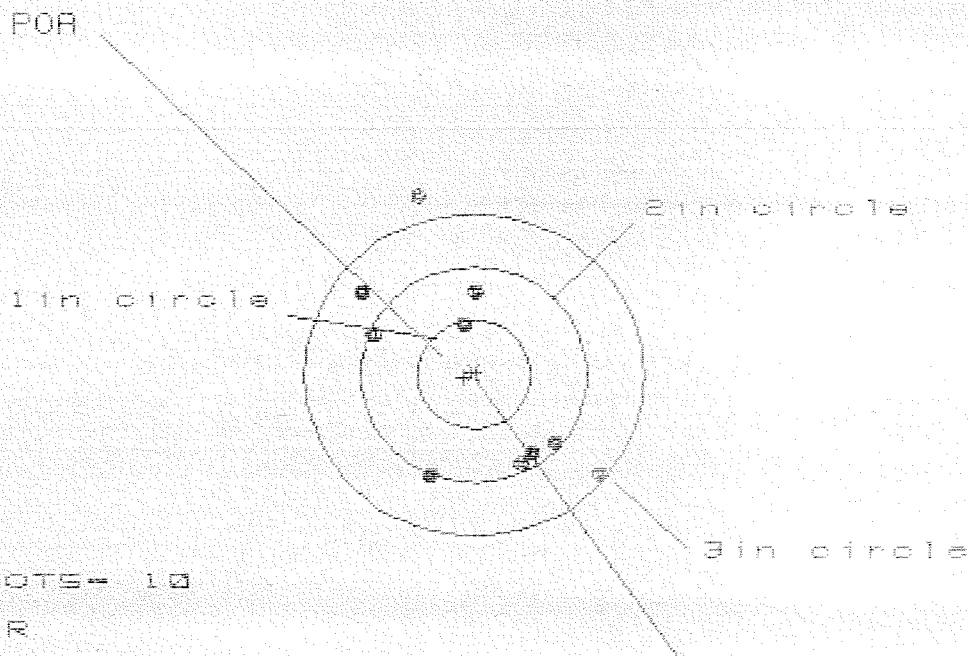
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.371	1.265	1.371
MINIMUM X	:	-1.076	-1.182	-1.076
MAXIMUM Y	:	1.425	1.175	.966
MINIMUM Y	:	-2.250	-1.062	-.915
CENTROID X	:	-.106	-.000	-.106
CENTROID Y	:	-.112	.138	-.009
POA TO CENTROID in.	:	.155	.138	.106
MIN RADIUS	:	.124	.376	.195
MEAN RADIUS	:	1.143	1.034	.929
MAX RADIUS	:	2.444	1.449	1.518
HORIZONTAL SPREAD	:	2.447	2.447	2.447
VERTICAL SPREAD	:	3.675	2.237	1.881
EXTREME SPREAD	:	4.141	2.533	2.467
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B36239

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 1

2in = 7

3in = 2

HS = 2.146

VS = 2.548

GS = 3.026

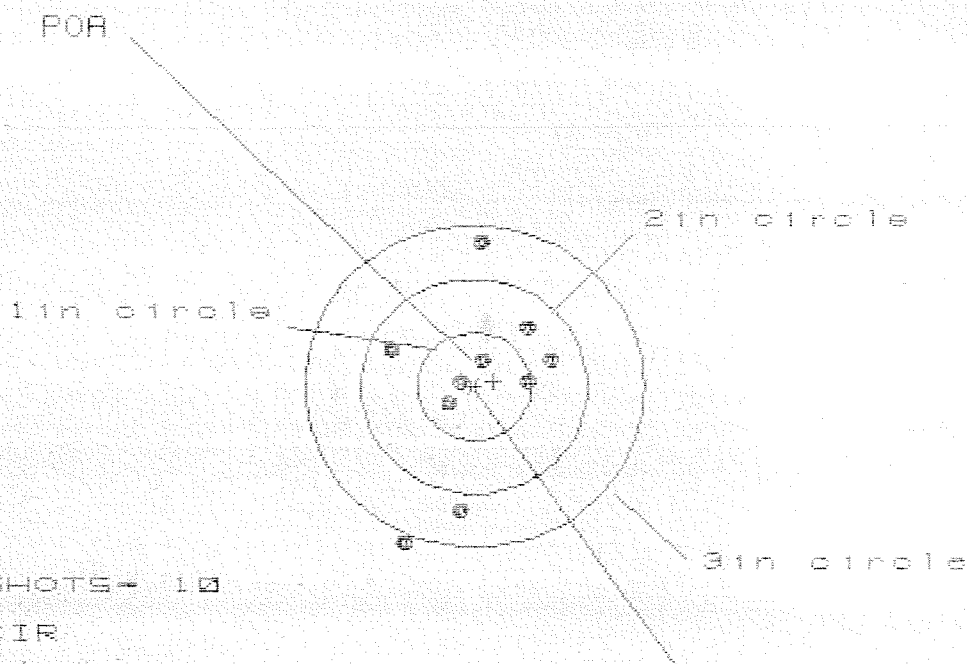
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.156	1.103	.813
MINIMUM X	:	-.990	-1.043	-.905
MAXIMUM Y	:	1.630	.961	.869
MINIMUM Y	:	-.918	-.737	-.809
CENTROID X	:	.091	.144	.006
CENTROID Y	:	.026	-.155	-.063
POB TO CENTROID in.	:	.094	.212	.064
MIN RADIUS	:	.479	.666	.566
MEAN RADIUS	:	1.039	.949	.900
MAX RADIUS	:	1.698	1.418	1.255
HORIZONTAL SPREAD	:	2.146	2.146	1.710
VERTICAL SPREAD	:	2.548	1.698	1.678
EXTREME SPREAD	:	3.026	2.737	2.224
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636239

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 4

2in = 7

3in = 9

HS= 1.401

VS= 2.804

GS= 2.885

CENTROID *

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.695	.629	.633
MINIMUM X	:	-.706	-.772	-.768
MAXIMUM Y	:	1.318	1.153	.494
MINIMUM Y	:	-1.486	-1.276	-1.132
CENTROID X	:	-.172	-.106	-.110
CENTROID Y	:	-.046	.119	-.025
POA TO CENTROID in.	:	.178	.160	.112
MIN RADIUS	:	.158	.059	.196
MEAN RADIUS	:	.747	.623	.565
MAX RADIUS	:	1.598	1.299	1.157
HORIZONTAL SPREAD	:	1.401	1.401	1.401
VERTICAL SPREAD	:	2.804	2.429	1.626
EXTREME SPREAD	:	2.885	2.444	1.766
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	9		

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636239

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 9

HS= 2.734

VS= 3.072

GS= 3.221

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.386	1.341	.738
MINIMUM X	-1.348	-1.393	-1.225
MAXIMUM Y	.983	.662	.617
MINIMUM Y	-2.169	-1.086	-1.131
CENTROID X	-.095	-.050	-.218
CENTROID Y	.095	.336	.381
POA TO CENTROID in.	.134	.340	.439
MIN RADIUS	.557	.356	.274
MEAN RADIUS	1.060	.866	.797
MAX RADIUS	2.206	1.468	1.327
HORIZONTAL SPREAD	2.734	2.734	1.963
VERTICAL SPREAD	3.072	1.748	1.748
EXTREME SPREAD	3.221	2.736	2.220
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	9	

SWS TRIGGER PULL TEST

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

SERIAL NO. C6636739
DATE 8/16/91
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.36	2.36	2.77	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.49	2.46	2.63	
PULL #3	2.57	2.50	2.50	2.79	
PULL #4	2.50	2.43	2.51	2.80	
PULL #5	2.56	2.40	2.35	2.70	
TOTAL	12.59	12.18	12.18		
AVG.	2.52	2.43	2.43		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.03	2.96		
PULL #2	3.02	2.86		
PULL #3	3.06	2.80		
PULL #4	2.98	2.81		
PULL #5	3.03	2.95		
TOTAL	15.12	14.38		
AVG.	3.02	2.87		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.00		4.29
PULL #2	4.12	4.22		4.07
PULL #3	3.85	4.20		4.32
PULL #4	4.24	4.07		4.27
PULL #5	4.29	4.19		4.08
TOTAL	20.69	20.68		21.03
AVG.	4.14	4.14		4.21