

C6636032

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.



Remington
MODEL 700™ M24

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

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

SERIAL NO.
C6636832

ORDER NO.
5716

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

20

UPC
0 47700 25716 7

5716 C6636832

GUN SERIAL #

C6636032

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		4/23/91	K.S.
600	Proof		4/23/91	K.S.
607	Check Headspace		4/23/91	K.S.
610	Dis-assemble Gun		4/23/91	K.S.
612	Magnaflux Barrel Action	5 8 9 1		K.S.
	Magnaflux Bolt	5 8 9 1		K.S.
615	Rollmark Caliber	5 8 9 1		G.S.
617	Drill and Tap Sight Holes	5 15 9 1		K.S.
618	Polish Barrel	5 15 9 1		K.S.
620	Apply Coatings (Barrel Action)		5-31-91	
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/15/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/15/91	KS
	C) Inspect Ejector Hole for Chamfer		7/15/91	KS
	D) Oil Firing Pin Ass'y		7/15/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		7-19-91	

op. #	BARBER M24 0036899	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			7-19-91	JU
	G) Safety Off Force	4	4	4			7-19-91	JU
	H) Trigger Pull Test & Retainability						7-19-91	JU
	I) Firing Pin Indent	1022	1022	1022.5			7-19-91	JU
	J) Assemble Stock						7/22/91	KS
	K) Assemble Swivel Studs						7-22-91	KS
	L) Attach Front and Rear Sight Assemblies						7/22/91	KS
	M) Iron Sight Alignment						7/22/91	KS
	N) Detach Front & Rear Sights & place in numbered container						7/22/91	KS
	O) Attach Scope to Rifle						7/22/91	KS
	P) Detach & Attach Scope 20 Times						7/22/91	KS
640	Gallery Target & Test						7-24-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						7-24-91	AF
655	Final Inspection						7-26-91	PH
	A) Headspace						7-26-91	PH
	B) Trigger Pull	2.49	2.41	2.59	2.61	2.58	7-26-91	JU
	C) Function						7-26-91	PH
660	Pack						9-18-91	AF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6636032

DATE 7-19-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.43	2.36	2.49	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.42	2.30	2.41	
PULL #3	2.40	2.40	2.22	2.59	
PULL #4	2.44	2.25	2.25	2.61	
PULL #5	2.43	2.40	2.38	2.58	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.32	3.20		
PULL #2	3.35	3.18		
PULL #3	3.25	3.32		
PULL #4	3.24	3.25		
PULL #5	3.22	3.20		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.48		4.13
PULL #2	4.31	4.31		4.56
PULL #3	4.51	4.58		4.54
PULL #4	4.38	4.61		4.60
PULL #5	4.51	4.51		4.67
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06636032
24 JUL 1991

CENTROIDAL DISTANCES

0 TO	1	.137233
1 TO	2	.511285
1 TO	3	.249946
1 TO	4	.322845
1 TO	5	.0871321

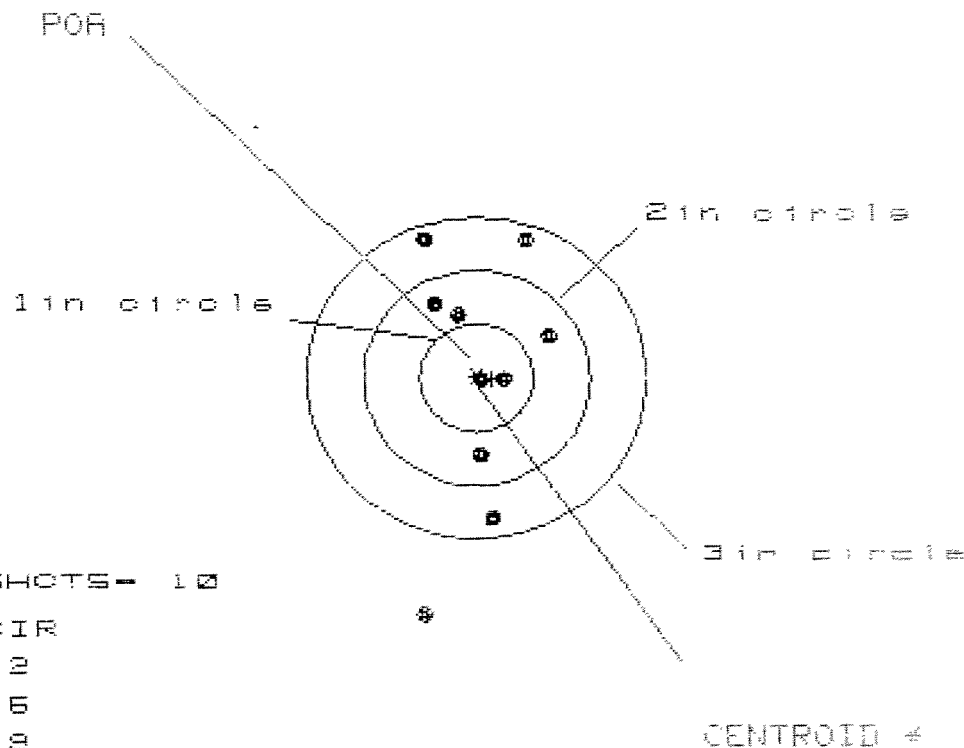
#2 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0704
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0686
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0982961
THE AMR FOR THIS RIFLE IS: 1.065

24 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8635032

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 9

HS = 1.143

VS = 3.478

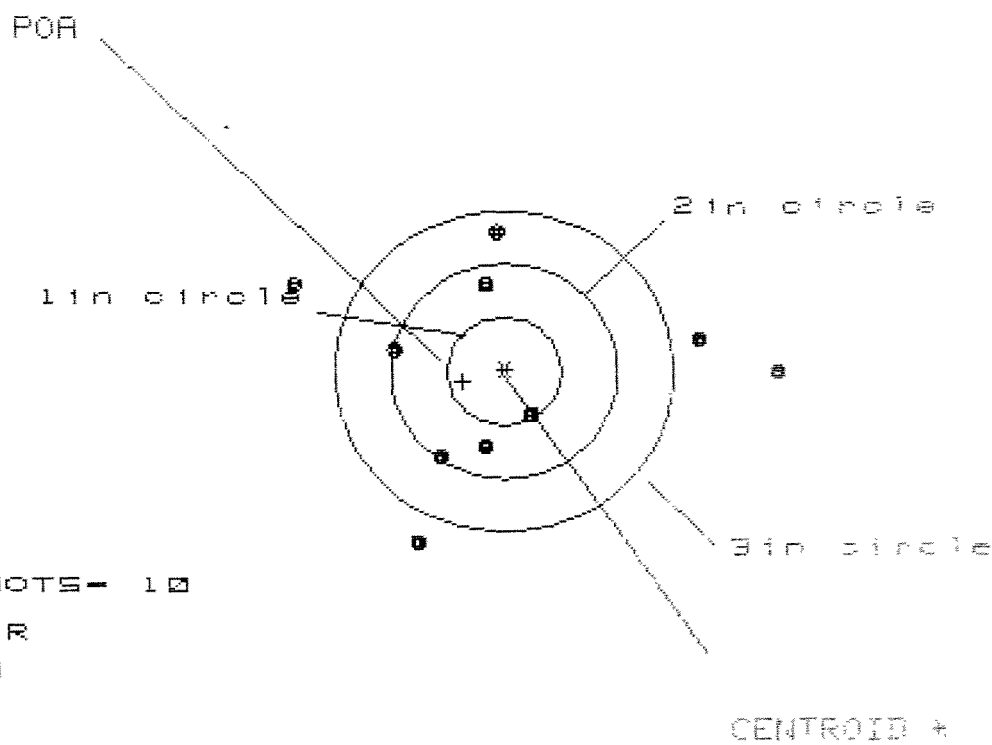
GS = 3.549

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.631	.585	.515
MINIMUM X	-.512	-.558	-.484
MAXIMUM Y	1.276	1.031	1.137
MINIMUM Y	-2.202	-1.541	-1.412
CENTROID X	-.137	-.091	-.021
CENTROID Y	.008	.253	.124
POA TO CENTROID in.	.137	.268	.126
MIN RADIUS	.065	.286	.143
MEAN RADIUS	.935	.771	.702
MAX RADIUS	2.246	1.543	1.412
HORIZONTAL SPREAD	1.143	1.143	.999
VERTICAL SPREAD	3.478	2.572	2.549
EXTREME SPREAD	3.549	2.649	2.564
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

24 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636032

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 6

HS= 4.269

VS= 2.835

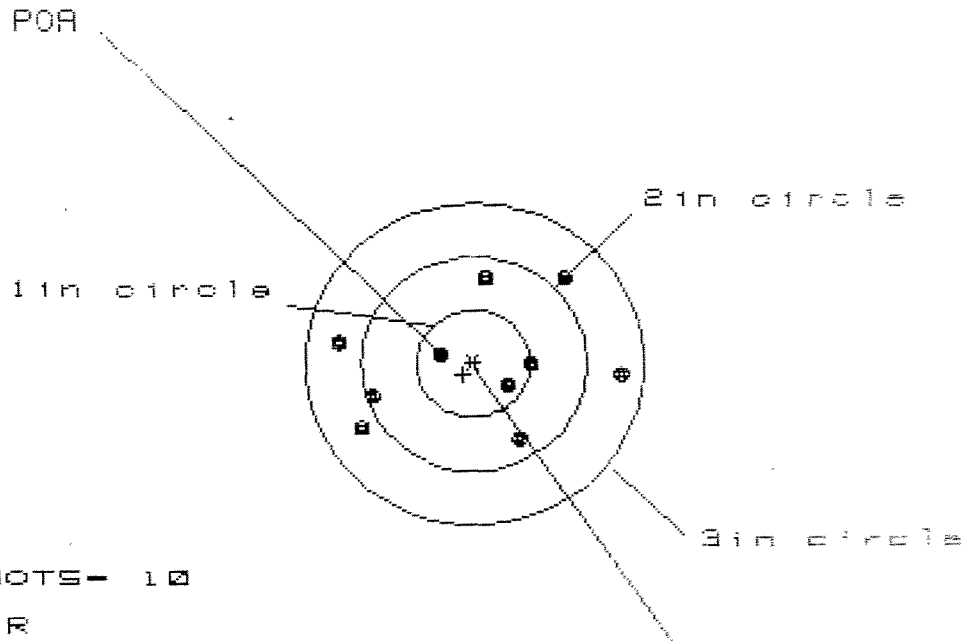
GS= 4.347

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.433	2.039	1.843
MINIMUM X	:	-1.836	-1.565	-1.855
MAXIMUM Y	:	1.273	1.273	1.375
MINIMUM Y	:	-1.562	-1.562	-1.460
CENTROID X	:	.367	.096	.292
CENTROID Y	:	.094	.094	-.008
POA TO CENTROID in.	:	.379	.135	.292
MIN RADIUS	:	.506	.669	.476
MEAN RADIUS	:	1.323	1.168	1.079
MAX RADIUS	:	2.423	2.064	1.931
HORIZONTAL SPREAD	:	4.269	3.604	2.698
VERTICAL SPREAD	:	2.835	2.835	2.835
EXTREME SPREAD	:	4.347	3.638	3.125
NUMBER IN ONE INCH CIRCLE	=	0	0	0
NUMBER IN TWO INCH CIRCLE	=	5	5	5
NUMBER IN THREE INCH CIRCLE	=	6	6	6

24 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636032

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in - 3

2in - 6

3in - 10

HS= 2.466

VS= 1.548

GS= 2.475

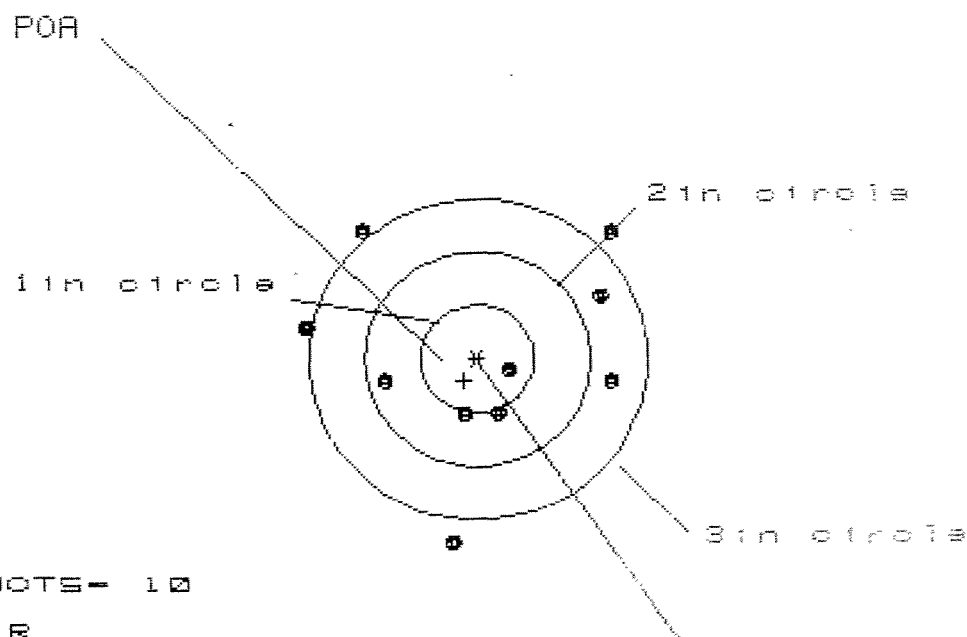
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.288	.979	.871
MINIMUM X	:	-1.178	-1.035	-1.143
MAXIMUM Y	:	.818	.812	.731
MINIMUM Y	:	-.730	-.736	-.817
CENTROID X	:	.095	-.048	.060
CENTROID Y	:	.101	.107	.188
POA TO CENTROID in.	:	.139	.117	.197
MIN RADIUS	:	.282	.147	.235
MEAN RADIUS	:	.856	.803	.750
MAX RADIUS	:	1.289	1.253	1.145
HORIZONTAL SPREAD	:	2.466	2.014	2.014
VERTICAL SPREAD	:	1.548	1.548	1.548
EXTREME SPREAD	:	2.475	2.328	2.111
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

24 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636032

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 4

3 in - 5

HS= 2.762

VS= 2.911

GS= 3.250

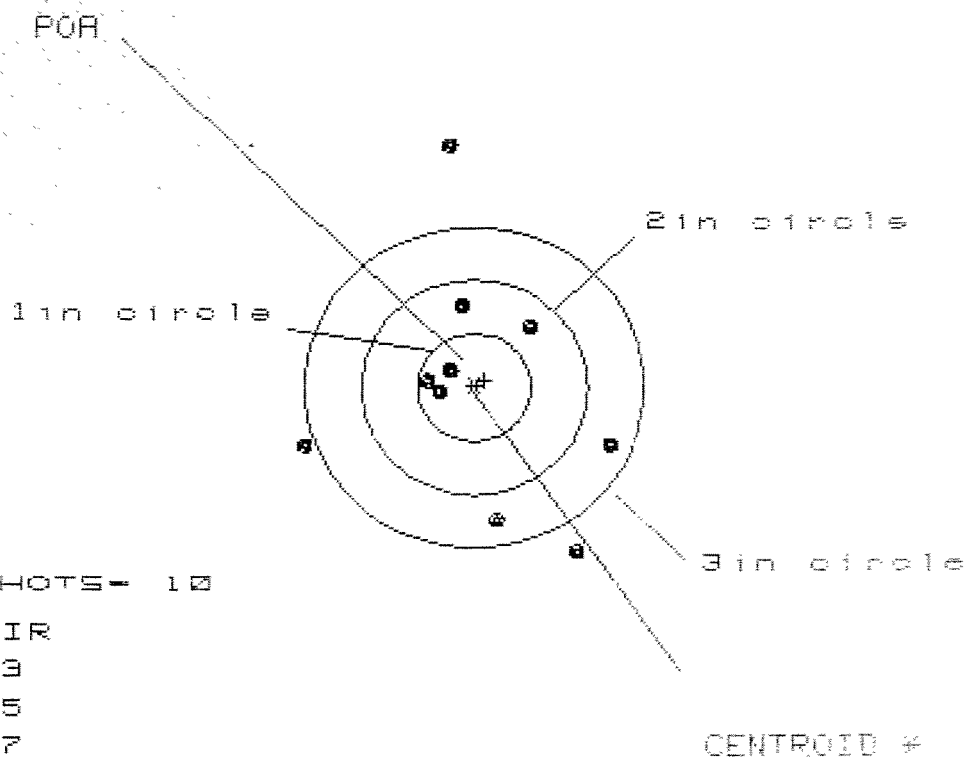
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.210	1.182	1.286
MINIMUM X	:	-1.552	-1.580	-1.432
MAXIMUM Y	:	1.184	.992	1.115
MINIMUM Y	:	-1.727	-.733	-.810
CENTROID X	:	.118	.146	-.001
CENTROID Y	:	.206	.398	.275
POA TO CENTROID in.	:	.238	.424	.275
MIN RADIUS	:	.251	.346	.388
MEAN RADIUS	:	1.120	1.074	.989
MAX RADIUS	:	1.745	1.582	1.457
HORIZONTAL SPREAD	:	2.762	2.762	2.718
VERTICAL SPREAD	:	2.911	1.725	1.725
EXTREME SPREAD	:	3.250	2.907	2.765
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

24 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636032

CENTERFIRE PATTERNS # 5



PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.234	1.206	1.312
MINIMUM X	-1.537	-1.565	-1.459
MAXIMUM Y	2.314	1.049	.983
MINIMUM Y	-1.583	-1.326	-1.156
CENTROID X	-.091	-.063	-.169
CENTROID Y	-.066	-.323	-.157
POA TO CENTROID in.	.112	.329	.231
MIN RADIUS	.289	.388	.217
MEAN RADIUS	1.091	.983	.843
MAX RADIUS	2.327	1.589	1.525
HORIZONTAL SPREAD	2.771	2.771	2.771
VERTICAL SPREAD	3.897	2.375	2.039
EXTREME SPREAD	4.056	2.771	2.771
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		