

C6636037

MODEL 700™ M24

Model **SMS**™

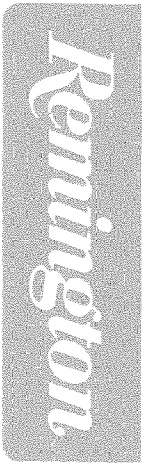
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington
MODEL 700TH M24

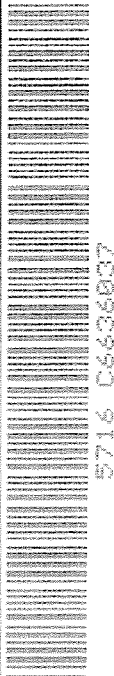
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

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

SERIAL NO.
C6636037

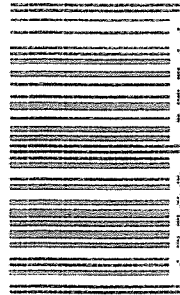
ORDER NO.
5716

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



5716 C6636037

UPC



0 47700 25746 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636037

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		KCR
	Magnaflux Bolt	5 8 9 1		KCR
615	Rollmark Caliber			GS
617	Drill and Tap Sight Holes	5 15 9 1		LS
618	Polish Barrel	5 8 9 1		LS
620	Apply Coatings (Barrel Action)		5-31-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/17/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/17/91	KS
	C) Inspect Ejector Hole for Chamfer		7/17/91	KS
	D) Oil Firing Pin Ass'y		7/17/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		7-19-91	CS

op. #	BARBER M24 0036960	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			7-19-91	JP
	G) Safety Off Force	4	4	4			7-19-91	JP
	H) Trigger Pull Test & Retainability						7-19-91	JP
	I) Firing Pin Indent	.023	.023	.023			7-19-91	JP
	J) Assemble Stock						7-22-91	KS
	K) Assemble Swivel Studs						7-24-91	D/H
	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						7-25-91	KS
	P) Detach & Attach Scope 20 Times						7-22-91	KS
640	Gallery Target & Test						7-23-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						7-23-91	AF
655	Final Inspection							
	A) Headspace						7-24-91	D/H
	B) Trigger Pull	2.60	2.53	2.68	2.63	2.60	7-24-91	JP
	C) Function						7-24-91	D/H
660	Pack						8-19-91	D/H

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6636037

DATE 7-19-91

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.28	2.42	2.48	2.60	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.45	2.46	2.53	
PULL #3	2.42	2.18	2.53	2.68	
PULL #4	2.43	2.44	2.50	2.63	
PULL #5	2.42	2.51	2.47	2.60	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.34	3.48		
PULL #2	3.23	3.52		
PULL #3	3.33	3.39		
PULL #4	3.49	3.51		
PULL #5	3.41	3.46		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.27		4.29
PULL #2	4.27	4.33		4.40
PULL #3	4.34	4.36		4.30
PULL #4	4.22	4.17		4.37
PULL #5	4.25	4.36		4.41
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636037
23 Jul 1991

CENTROIDAL DISTANCES

Ø TO	1	.144312
1 TO	2	.112805
1 TO	3	.27522
1 TO	4	.18129
1 TO	5	.123167

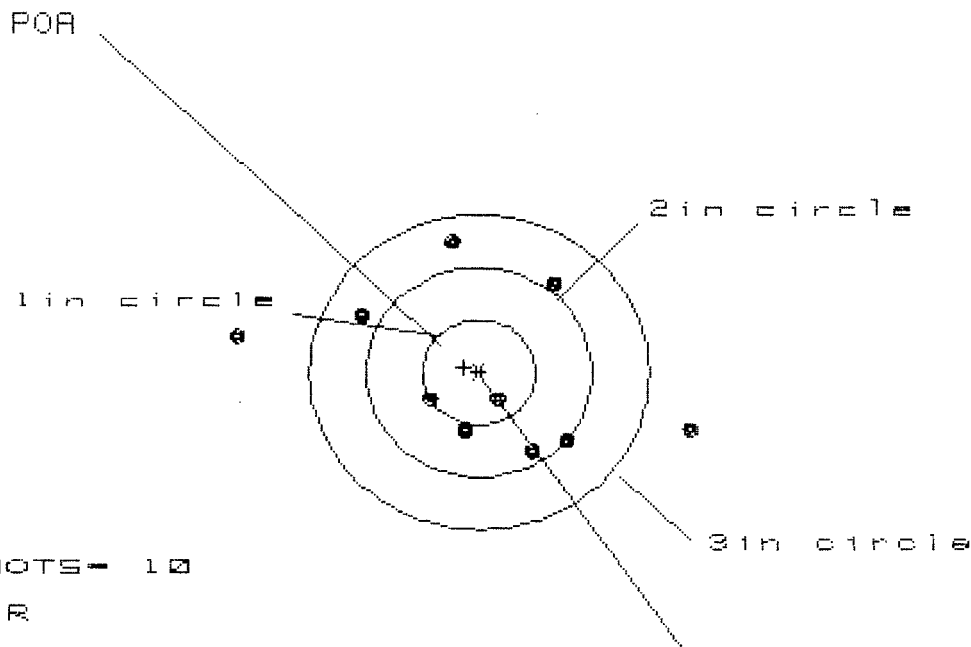
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THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1406
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0132
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .141218
THE AMR FOR THIS RIFLE IS: 1.054

23 Jul 1991

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CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 4.054

VS = 2.066

GS = 4.160

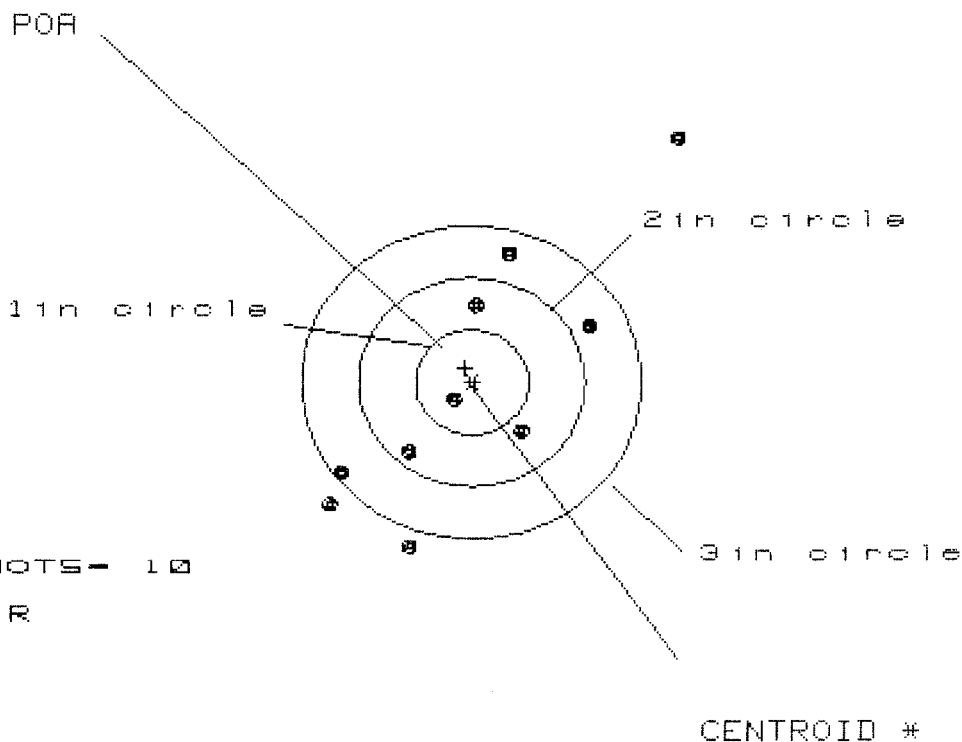
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.897	1.657	.720
MINIMUM X	-2.157	-1.293	-1.086
MAXIMUM Y	1.271	1.315	1.252
MINIMUM Y	-.795	-.751	-.813
CENTROID X	.135	.375	.168
CENTROID Y	-.051	-.095	-.033
POA TO CENTROID in.	.145	.387	.171
MIN RADIUS	.364	.256	.362
MEAN RADIUS	1.112	.972	.872
MAX RADIUS	2.193	1.730	1.277
HORIZONTAL SPREAD	4.054	2.950	1.806
VERTICAL SPREAD	2.066	2.066	2.066
EXTREME SPREAD	4.160	3.152	2.179
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

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CENTERFIRE PATTERNS # 2

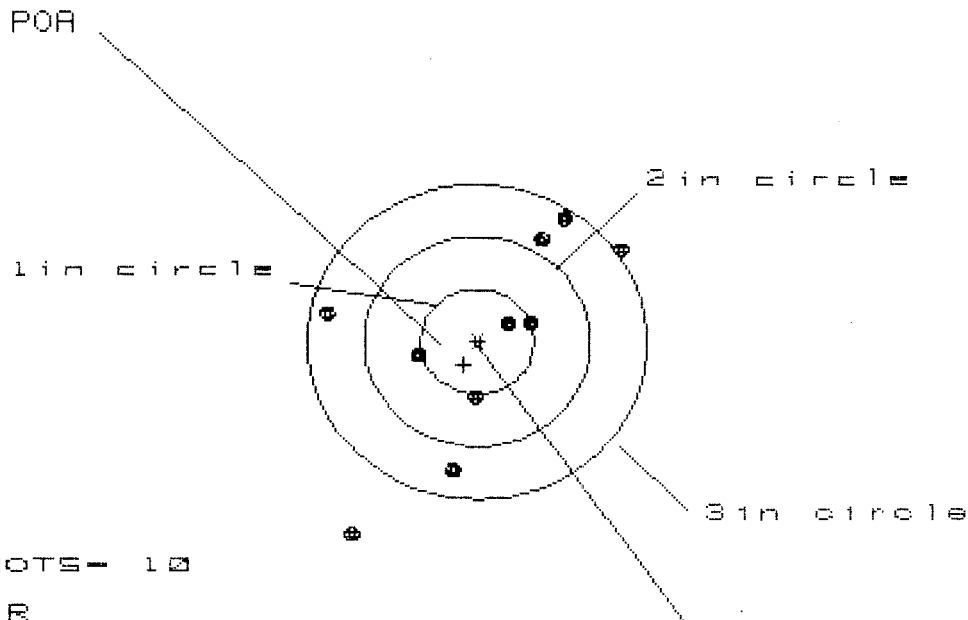


PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.870	1.200	1.069
MINIMUM X	:	-1.253	-1.045	-1.057
MAXIMUM Y	:	2.296	1.494	1.374
MINIMUM Y	:	-1.544	-1.288	-1.408
CENTROID X	:	.062	-.146	-.015
CENTROID Y	:	-.137	-.393	-.273
POA TO CENTROID in.	:	.151	.419	.274
MIN RADIUS	:	.189	.140	.041
MEAN RADIUS	:	1.253	1.022	.956
MAX RADIUS	:	2.962	1.586	1.489
HORIZONTAL SPREAD	:	3.123	2.245	2.126
VERTICAL SPREAD	:	3.840	2.782	2.782
EXTREME SPREAD	:	4.694	2.921	2.921
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.565

VS= 3.027

GS= 3.593

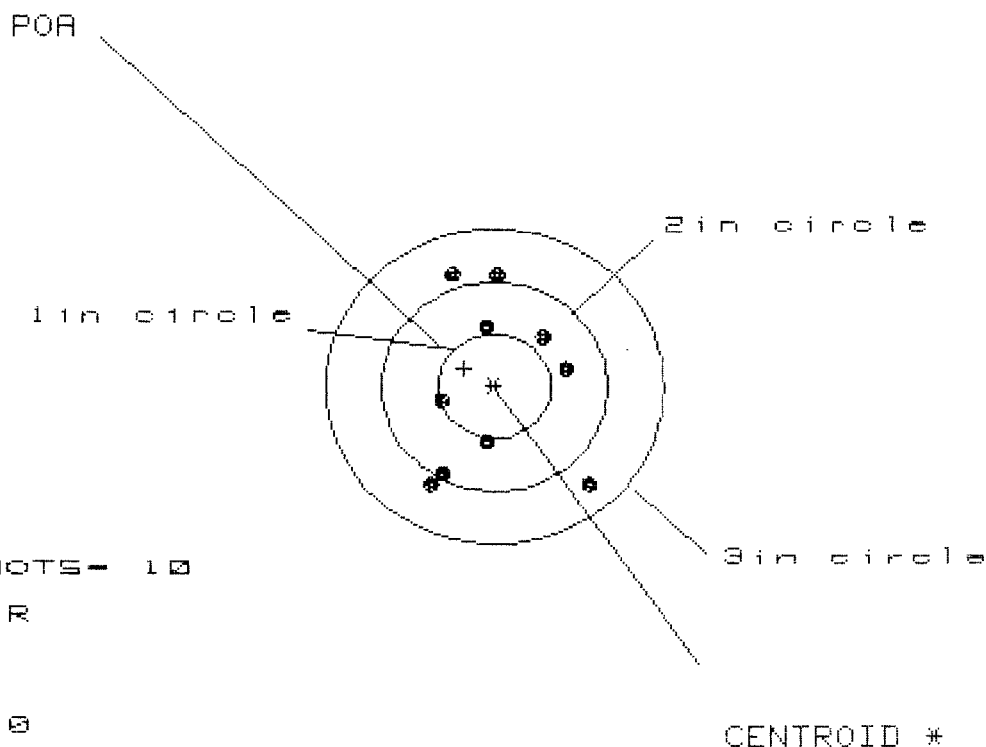
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.230	1.102	.762
MINIMUM X	:	-1.335	-1.463	-1.326
MAXIMUM Y	:	1.175	.969	1.047
MINIMUM Y	:	-1.852	-1.461	-1.383
CENTROID X	:	.124	.253	.116
CENTROID Y	:	.224	.430	.352
POA TO CENTROID in.	:	.256	.499	.370
MIN RADIUS	:	.316	.106	.258
MEAN RADIUS	:	1.075	.915	.881
MAX RADIUS	:	2.185	1.505	1.401
HORIZONTAL SPREAD	:	2.565	2.565	2.088
VERTICAL SPREAD	:	3.027	2.430	2.430
EXTREME SPREAD	:	3.593	2.626	2.622
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 4



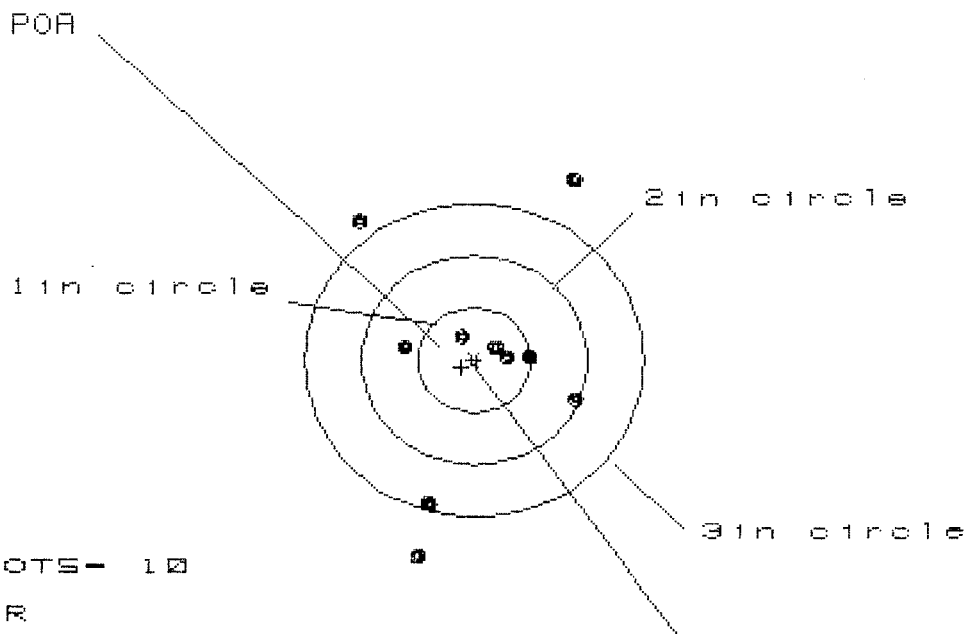
HS= 1.415
VS= 2.065
GS= 2.336

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.871	.741	.706
MINIMUM X	:	-.544	-.447	-.483
MAXIMUM Y	:	1.092	.994	1.086
MINIMUM Y	:	-.973	-1.071	-.947
CENTROID X	:	.270	.173	.209
CENTROID Y	:	-.172	-.074	-.198
POA TO CENTROID in.	:	.320	.188	.288
MIN RADIUS	:	.455	.421	.388
MEAN RADIUS	:	.841	.788	.749
MAX RADIUS	:	1.239	1.161	1.088
HORIZONTAL SPREAD	:	1.415	1.188	1.188
VERTICAL SPREAD	:	2.065	2.065	2.033
EXTREME SPREAD	:	2.336	2.107	2.107
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 6

3 in = 7

HS = 1.934

VS = 3.621

GS = 3.902

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.896
MINIMUM X	-1.038
MAXIMUM Y	1.775
MINIMUM Y	-1.846
CENTROID X	.112
CENTROID Y	.070
POA TO CENTROID in.	.132
MIN RADIUS	.199
MEAN RADIUS	.989
MAX RADIUS	1.988
HORIZONTAL SPREAD	1.934
VERTICAL SPREAD	3.621
EXTREME SPREAD	3.902
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	7