

C6636151

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

Remington[®]

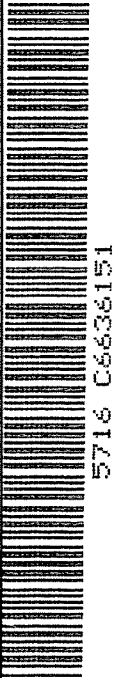
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

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

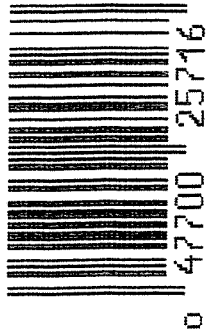
MODEL 700TM H24

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

SERIAL NO. C6636151	ORDER NO. 5716
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UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6636151

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		4/3/91	KS
600	Proof		4/22/91	KS
607	Check Headspace		4/23/91	KS
610	Dis-assemble Gun		4/23/91	KS
612	Magnaflux Barrel Action	5 8 9 1		KCK
	Magnaflux Bolt	5 8 9 1		KCK
615	Rollmark Caliber	5 8 9 1		GB
617	Drill and Tap Sight Holes	5 15 9 1		LB
618	Polish Barrel	5 15 9 1		WB
620	Apply Coatings (Barrel Action)		5-31-91	
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		4/12/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/12/91	KS
	C) Inspect Ejector Hole for Chamfer		4/12/91	KS
	D) Oil Firing Pin Ass'y		4/12/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		6-13-91	D/L

op. #	BARBER - M24 0038294	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			6-13-91	D/H
	G) Safety Off Force	3	3	3			6-13-91	D/H
	H) Trigger Pull Test & Retainability						6-13-91	D/H
	I) Firing Pin Indent	.020	.020	.021			6-13-91	D/H
	J) Assemble Stock						6-13-91	KS
	K) Assemble Swivel Studs						6-15-91	D/H
	L) Attach Front and Rear Sight Assemblies						6-13-91	KS
	M) Iron Sight Alignment						6-13-91	KS
	N) Detach Front & Rear Sights & place in numbered container						6-13-91	KS
	O) Attach Scope to Rifle						6-13-91	KS
	P) Detach & Attach Scope 20 Times						6-13-91	KS
640	Gallery Target & Test						6-14-91	KS
	A) Time							KS
	B) Malfunctions							KS
	C) Pierced Primers							KS
	D) Optical Clarity of Scope							KS
645	Inspect for Live Ammo						6-14-91	KS
655	Final Inspection							
	A) Headspace						6-15-91	D/H
	B) Trigger Pull	2.57	2.47	2.52	2.52	2.45	6-15-91	KS
	C) Function						6-15-91	D/H
660	Pack						6-19-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636151

DATE 6-13-91

TESTER D/H

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.31	2.70	2.57	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.42	2.26	2.69	2.47	
PULL #3	2.35	2.29	2.76	2.52	
PULL #4	2.48	2.29	2.76	2.52	
PULL #5	2.50	2.58	2.73	2.45	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.09	3.01		
PULL #2	3.47	3.25		
PULL #3	3.00	3.27		
PULL #4	2.97	3.28		
PULL #5	3.02	3.27		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.01	4.39		4.00
PULL #2	4.18	4.32		3.99
PULL #3	4.18	4.32		4.18
PULL #4	4.23	4.46		4.18
PULL #5	4.17	4.46		3.98
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636151
14 Jun 1991

CENTROIDAL DISTANCES

Ø TO	1	.180613
1 TO	2	.166976
1 TO	3	.109636
1 TO	4	.0471699
1 TO	5	.215133

✱ <----POA

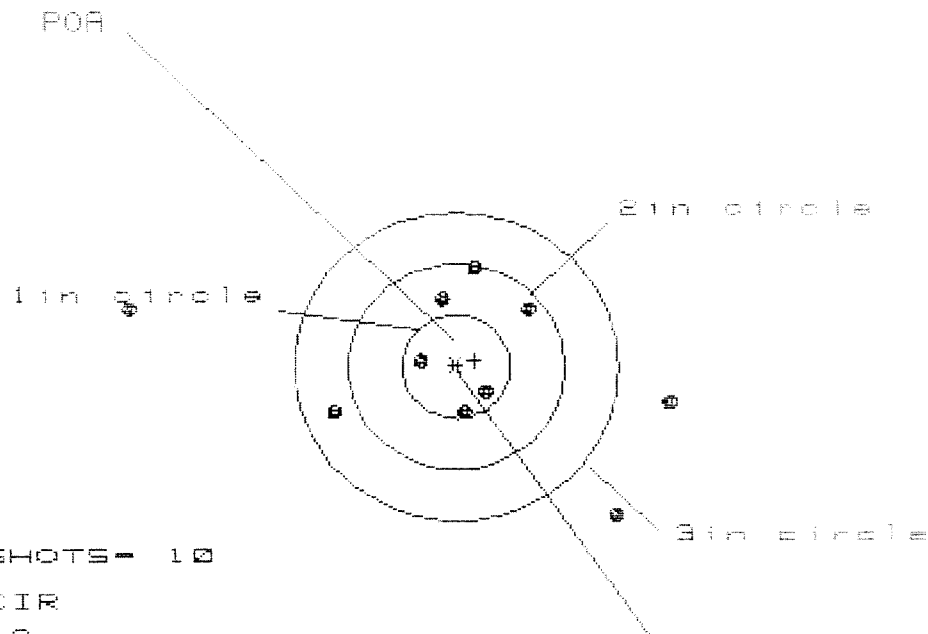
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1122
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0132
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .112974

THE AMR FOR THIS RIFLE IS: 1.003

14 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636151

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 7

HS= 4.955

VS= 2.351

GS= 5.033

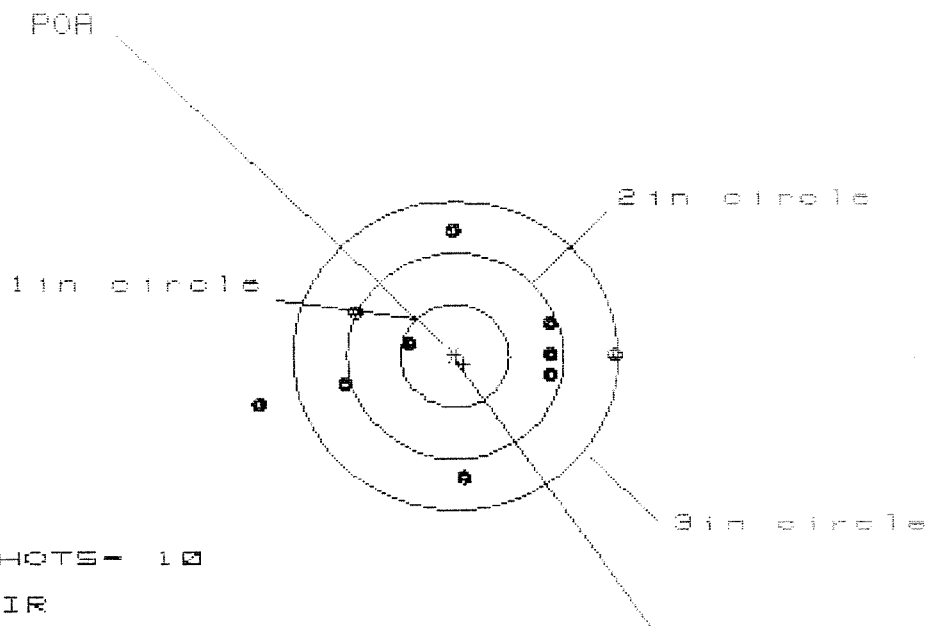
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.955	1.622	1.764
MINIMUM X	:	-3.000	-1.509	-1.367
MAXIMUM Y	:	.938	1.000	.831
MINIMUM Y	:	-1.413	-1.351	-1.546
CENTROID X	:	-.170	.163	.021
CENTROID Y	:	-.061	-.123	.046
POA TO CENTROID in.	:	.181	.204	.050
MIN RADIUS	:	.339	.212	.357
MEAN RADIUS	:	1.195	.985	.853
MAX RADIUS	:	3.052	1.766	1.815
HORIZONTAL SPREAD	:	4.955	3.131	3.131
VERTICAL SPREAD	:	2.351	2.351	1.377
EXTREME SPREAD	:	5.033	3.132	3.132
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	7		

14 Jun 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS= 3.327

VS= 2.413

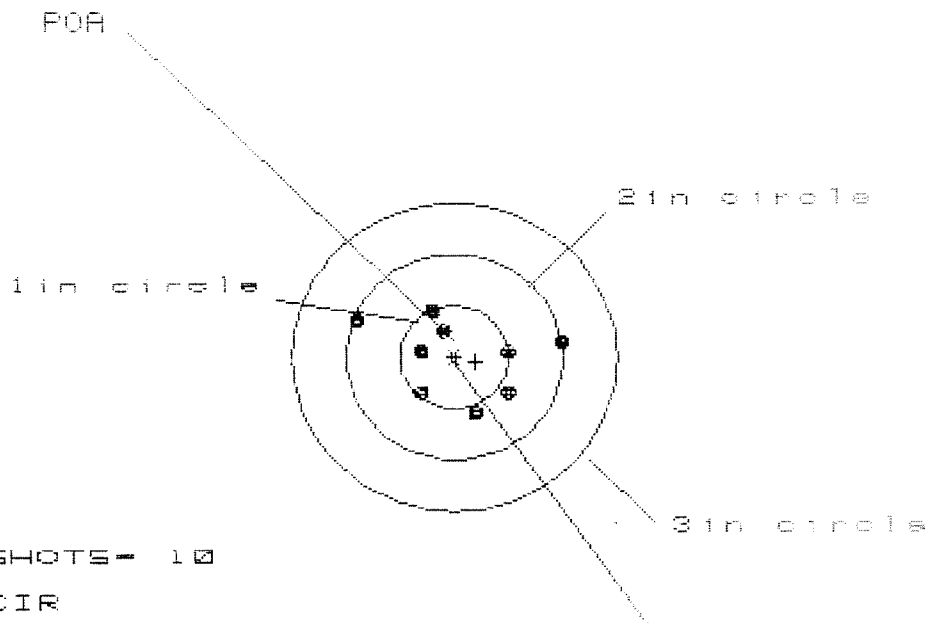
GS= 3.365

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.521
MINIMUM X	:	-1.806
MAXIMUM Y	:	1.237
MINIMUM Y	:	-1.176
CENTROID X	:	-.079
CENTROID Y	:	.079
POA TO CENTROID in.	:	.112
MIN RADIUS	:	.396
MEAN RADIUS	:	1.099
MAX RADIUS	:	1.860
HORIZONTAL SPREAD	:	3.327
VERTICAL SPREAD	:	2.413
EXTREME SPREAD	:	3.365
NUMBER IN ONE INCH CIRCLE =	:	1
NUMBER IN TWO INCH CIRCLE =	:	4
NUMBER IN THREE INCH CIRCLE =	:	8

14 Jun 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 10

3 in = 10

HS= 1.898

VS= 1.030

GS= 1.908

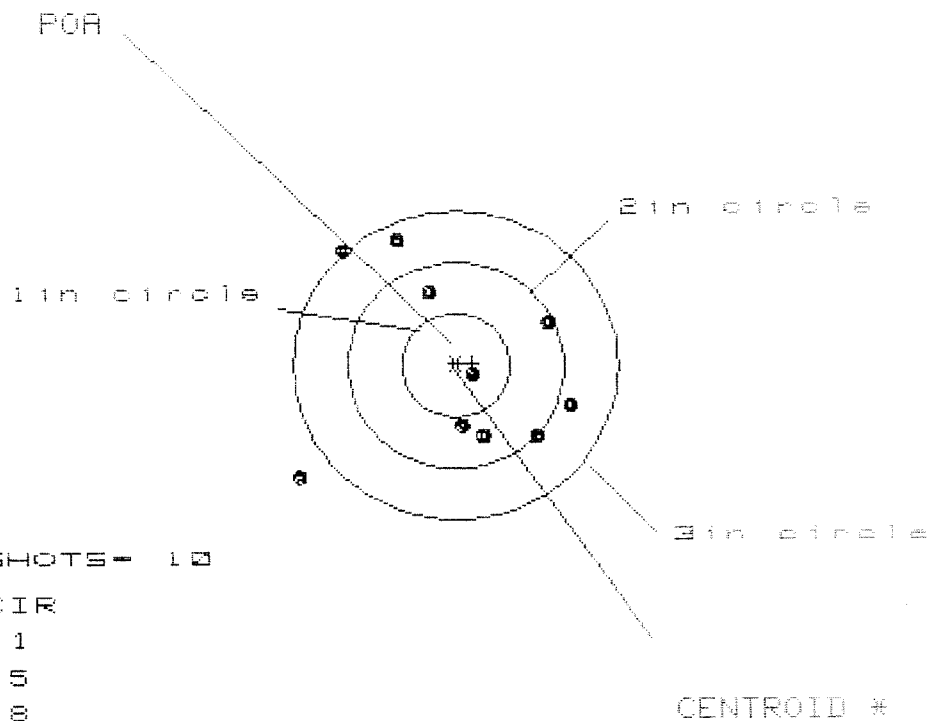
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.990	.614	.515
MINIMUM X	:	-.909	-.799	-.336
MAXIMUM Y	:	.475	.488	.529
MINIMUM Y	:	-.555	-.542	-.501
CENTROID X	:	-.198	-.307	-.208
CENTROID Y	:	.045	.032	-.009
POA TO CENTROID in.	:	.202	.309	.208
MIN RADIUS	:	.294	.192	.300
MEAN RADIUS	:	.558	.488	.451
MAX RADIUS	:	.996	.863	.573
HORIZONTAL SPREAD	:	1.898	1.413	.851
VERTICAL SPREAD	:	1.030	1.030	1.030
EXTREME SPREAD	:	1.908	1.535	1.005
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		10	
NUMBER IN THREE INCH CIRCLE	=		10	

14 Jun 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.538

VS= 2.265

GS= 2.702

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.096	.935	.782
MINIMUM X	:	-1.442	-1.224	-.820
MAXIMUM Y	:	1.211	1.094	1.217
MINIMUM Y	:	-1.054	-.827	-.704
CENTROID X	:	-.153	.008	.161
CENTROID Y	:	-.017	.100	-.023
POA TO CENTROID in.	:	.154	.100	.162
MIN RADIUS	:	.221	.214	.142
MEAN RADIUS	:	1.002	.896	.768
MAX RADIUS	:	1.786	1.570	1.467
HORIZONTAL SPREAD	:	2.538	2.159	1.602
VERTICAL SPREAD	:	2.265	1.921	1.921
EXTREME SPREAD	:	2.702	2.594	2.320
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 6

CENTROID #

HS= 3.632

VS= 2.524

GS= 3.823

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.956	1.744	1.562
MINIMUM X	:	-1.676	-1.459	-1.872
MAXIMUM Y	:	1.623	1.523	1.548
MINIMUM Y	:	-1.908	-1.860	-1.856
CENTROID X	:	.039	-.178	.004
CENTROID Y	:	-.112	-.011	-.036
POA TO CENTROID in.	:	.118	.179	.036
MIN RADIUS	:	.217	.432	.301
MEAN RADIUS	:	1.162	1.046	.981
MAX RADIUS	:	2.153	1.800	1.617
HORIZONTAL SPREAD	:	3.632	3.203	2.434
VERTICAL SPREAD	:	2.524	2.403	2.403
EXTREME SPREAD	:	3.823	3.266	2.735
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		6	