

C6636201

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington[®]

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

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

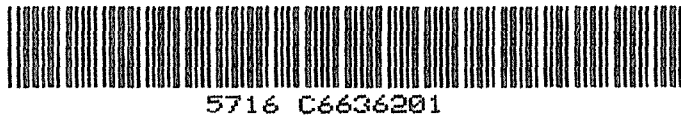
MODEL 700TM H24

SERIAL NO.
C6636201

ORDER NO.
5716

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

20



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636201

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		4/3/91	K.S.
600	Proof		4/3/91	K.S.
607	Check Headspace		4/3/91	K.S.
610	Dis-assemble Gun		4/3/91	K.S.
612--	Magnaflux Barrel Action		4/10/91	KB
	Magnaflux Bolt		4/10/91	V
615	Rollmark Caliber		4/10/91	JS
617	Drill and Tap Sight Holes		APR 19 1991	FB
618	Polish Barrel		APR 19 1991	WB
620	Apply Coatings (Barrel Action)		5-10-91	JA
	Apply Coating (Bolt)		5-10-91	JA
625	Final Assembly A) Clean inside of Bolt Assembly		5/17/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/17/91	KS
	C) Inspect Ejector Hole for Chamfer		5/17/91	KS
	D) Oil Firing Pin Ass'y		5/17/91	LS
	E) Adjust Trigger Pull to Min Setting and Stake		5-18-91	DH

op. #	BARBER - M24 0031671 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5-18-91	AC
	G) Safety Off Force	3	3	4			5-18-91	AC
	H) Trigger Pull Test & Retainability						5-18-91	DH
	I) Firing Pin Indent	.020	.021	.021			5-18-91	AC
	J) Assemble Stock						5/18/91	KS
	K) Assemble Swivel Studs						5-23-91	DH
	L) Attach Front and Rear Sight Assemblies						5/18/91	KS
	M) Iron Sight Alignment						5/18/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/18/91	KS
	O) Attach Scope to Rifle						5/18/91	KS
	P) Detach & Attach Scope 20 Times						5/18/91	KS
640	Gallery Target & Test						5/21/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						5/21/91	KT
655	Final Inspection							
	A) Headspace						5-23-91	DH
	B) Trigger Pull	2.36	2.42	2.30	2.45	2.38	5/23/91	DH
	C) Function						5-23-91	DH
660	Pack						6-20-91	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. CCG36201

DATE 5-18-91

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.53	2.41	2.39	2.36	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.77	2.50	2.38	2.42	
PULL #3	2.47	2.52	2.40	2.30	
PULL #4	2.54	2.47	2.50	2.45	
PULL #5	2.48	2.53	2.52	2.38	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.60	3.55		
PULL #2	3.61	3.28		
PULL #3	3.60	3.51		
PULL #4	3.53	3.52		
PULL #5	3.51	3.52		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.56	4.47		4.26
PULL #2	4.58	4.54		4.50
PULL #3	4.58	4.63		4.49
PULL #4	4.56	4.49		4.54
PULL #5	4.48	4.53		4.47
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636201
21 May 1991

CENTROIDAL DISTANCES

0 TO	1	.23294
1 TO	2	.311925
1 TO	3	.597101
1 TO	4	.445926
1 TO	5	.378223

3915 <----POA

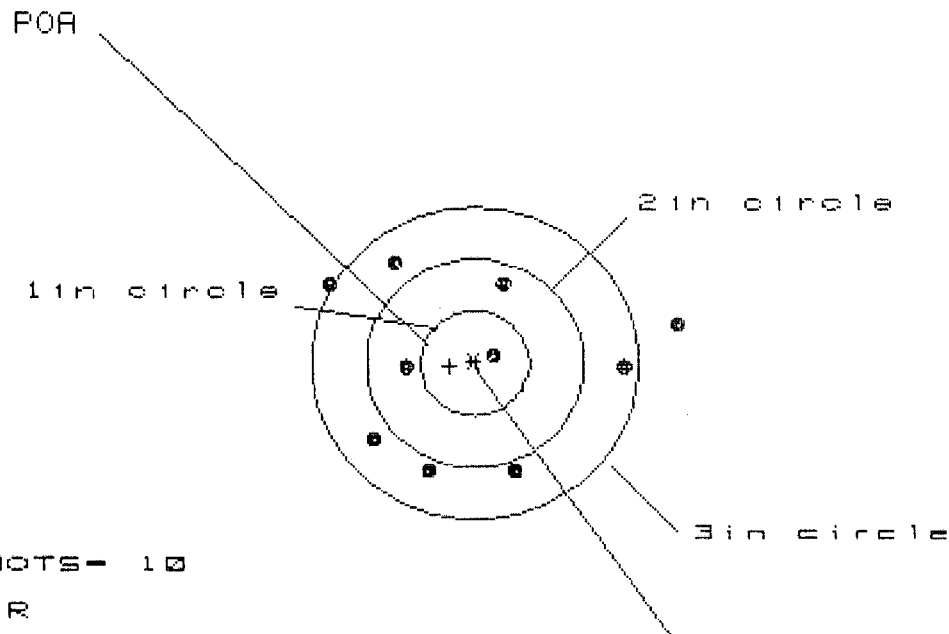
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0482
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .09
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .102094

THE AMR FOR THIS RIFLE IS: 1.157

21 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636281

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 8

HS= 3.281

VS= 2.049

GS= 3.303

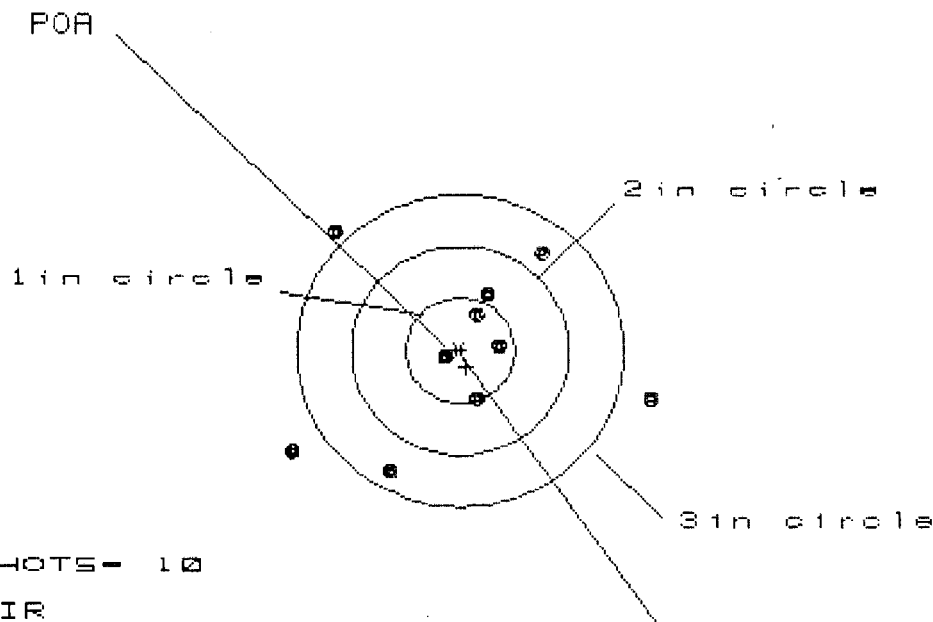
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.901	1.601	1.455
MINIMUM X	-1.380	-1.169	-.902
MAXIMUM Y	.982	1.022	1.120
MINIMUM Y	-1.067	-1.027	-.929
CENTROID X	.231	.020	.166
CENTROID Y	.030	-.010	-.108
POA TO CENTROID in.	.233	.023	.198
MIN RADIUS	.193	.398	.308
MEAN RADIUS	1.118	1.012	.956
MAX RADIUS	1.935	1.601	1.459
HORIZONTAL SPREAD	3.281	2.770	2.357
VERTICAL SPREAD	2.049	2.049	2.049
EXTREME SPREAD	3.303	2.876	2.458
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	8		

21 May 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 4

2in = 5

3in = 7

HS= 3.322

VS= 2.336

GS= 3.360

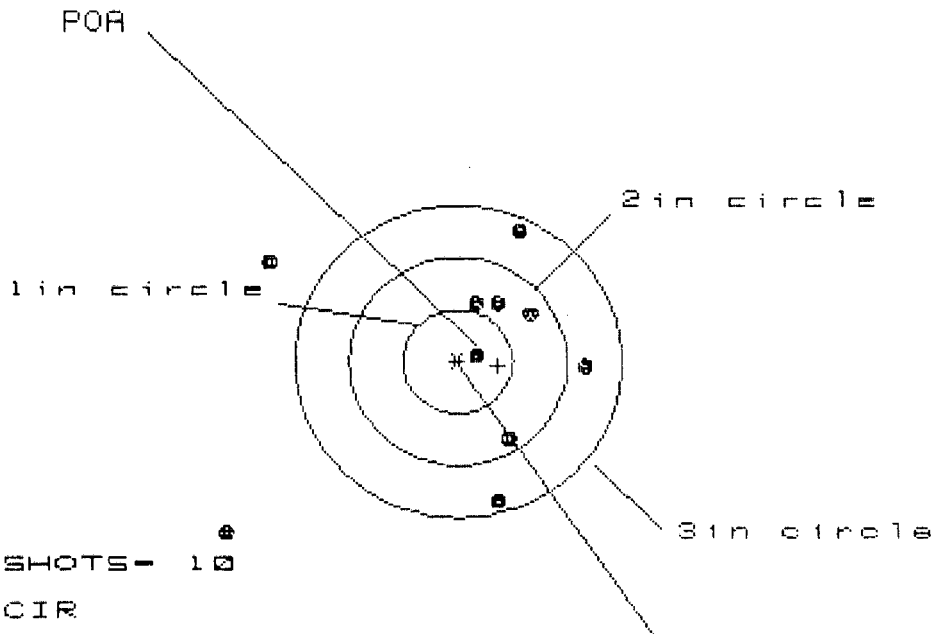
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.786	.978	.811
MINIMUM X	:	-1.536	-1.337	-1.150
MAXIMUM Y	:	1.141	1.095	.973
MINIMUM Y	:	-1.195	-1.241	-1.363
CENTROID X	:	-.053	-.252	-.085
CENTROID Y	:	.159	.205	.327
POA TO CENTROID in.	:	.167	.325	.337
MIN RADIUS	:	.111	.109	.201
MEAN RADIUS	:	.978	.908	.764
MAX RADIUS	:	1.835	1.653	1.507
HORIZONTAL SPREAD	:	3.322	2.315	1.961
VERTICAL SPREAD	:	2.336	2.336	2.336
EXTREME SPREAD	:	3.360	2.990	2.569
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

21 May 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 3.282

VS= 2.816

GS= 3.921

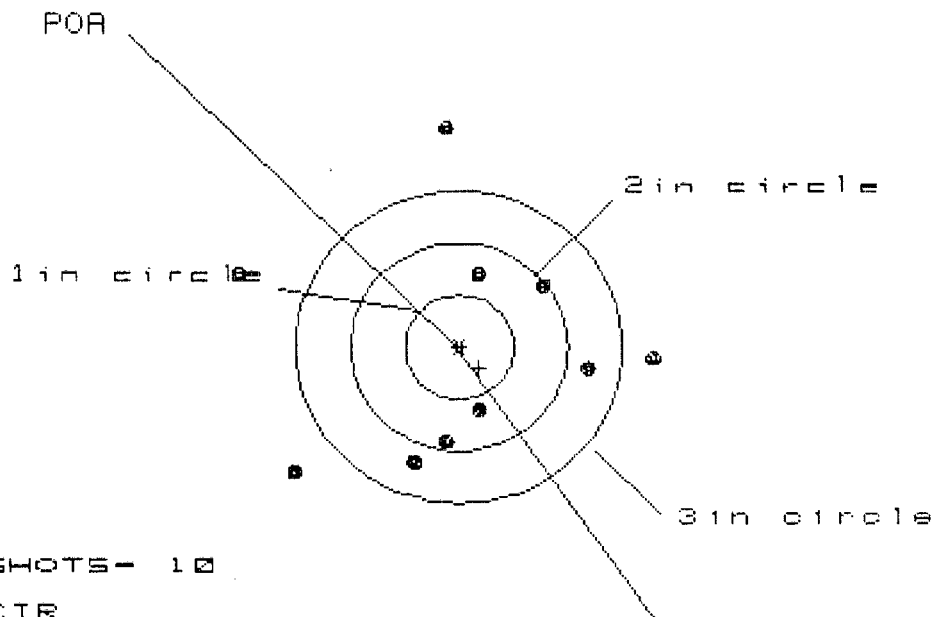
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.138	.899	.652
MINIMUM X	:	-2.144	-1.977	-.365
MAXIMUM Y	:	1.214	1.036	1.129
MINIMUM Y	:	-1.602	-1.489	-1.396
CENTROID X	:	-.366	-.127	.120
CENTROID Y	:	.041	.219	.126
POA TO CENTROID in.	:	.368	.253	.174
MIN RADIUS	:	.127	.181	.367
MEAN RADIUS	:	1.160	.901	.741
MAX RADIUS	:	2.677	2.111	1.401
HORIZONTAL SPREAD	:	3.282	2.876	1.017
VERTICAL SPREAD	:	2.816	2.525	2.525
EXTREME SPREAD	:	3.921	3.073	2.534
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

21 May 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 3

3 in = 6

HS= 3.712

VS= 3.279

GS= 3.791

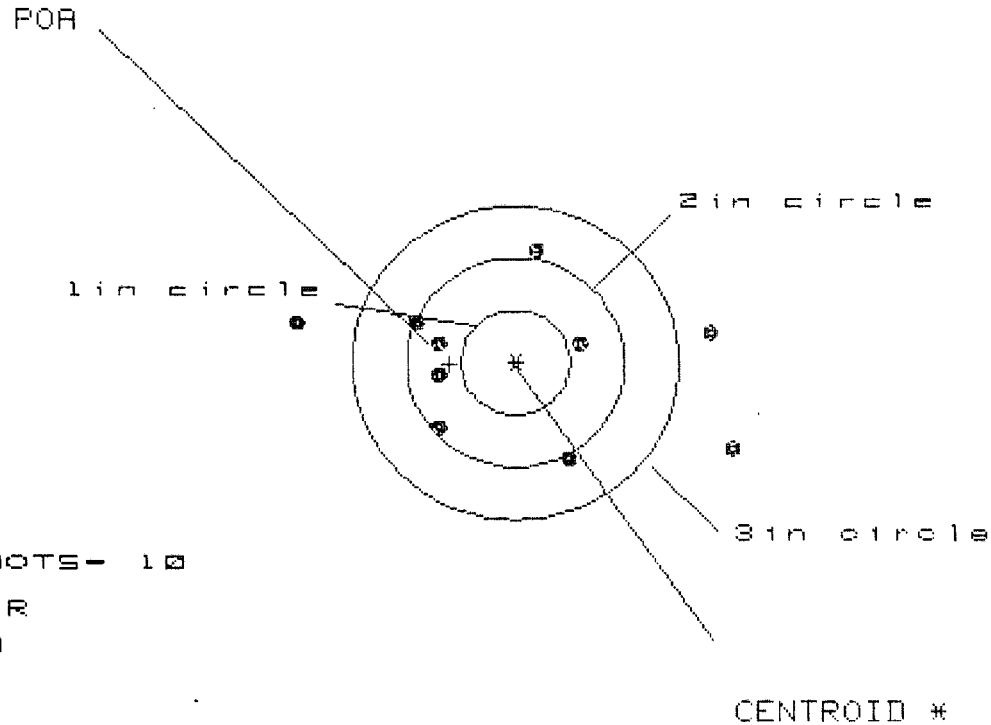
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.734	1.719	1.469
MINIMUM X	:	-1.978	-1.993	-1.742
MAXIMUM Y	:	2.102	.893	1.002
MINIMUM Y	:	-1.177	-.943	-.831
CENTROID X	:	-.180	-.165	.085
CENTROID Y	:	.203	-.031	-.143
POA TO CENTROID in.	:	.271	.167	.166
MIN RADIUS	:	.590	.365	.239
MEAN RADIUS	:	1.330	1.203	1.035
MAX RADIUS	:	2.107	2.184	1.930
HORIZONTAL SPREAD	:	3.712	3.712	3.211
VERTICAL SPREAD	:	3.279	1.836	1.833
EXTREME SPREAD	:	3.791	3.791	3.383
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 7

HS= 3.958

VS= 2.026

GS= 4.127

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.942	1.977	1.752
MINIMUM X	-2.016	-1.800	-1.902
MAXIMUM Y	1.070	.985	1.024
MINIMUM Y	-.956	-1.041	-1.002
CENTROID X	.609	.393	.618
CENTROID Y	.017	.102	.063
POA TO CENTROID in.	.609	.406	.621
MIN RADIUS	.632	.468	.611
MEAN RADIUS	1.200	1.057	.982
MAX RADIUS	2.088	1.985	1.766
HORIZONTAL SPREAD	3.958	3.777	2.654
VERTICAL SPREAD	2.026	2.026	2.026
EXTREME SPREAD	4.127	3.779	2.655
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		