

C6636204

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*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 M24

SERIAL NO.
C6636204

ORDER NO.
5716

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

20



5716 C6636204

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6636204

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	BR
	Magnaflux Bolt		4/10/91	4
615	Rollmark Caliber		4/10/91	YJ
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	TJA
	Apply Coating (Bolt)		5-10-91	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		5-22-91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5-22-91	KS
	C) Inspect Ejector Hole for Chamfer		5-22-91	KS
	D) Oil Firing Pin Ass'y		5-22-91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		5-23-91	PH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5-23-91	DH
	G) Safety Off Force	3	2 1/4	2			5-23-91	DH
	H) Trigger Pull Test & Retainability						5-23-91	DH
	I) Firing Pin Indent	.021	.020	.020			5-23-91	DH
	J) Assemble Stock						5/23/91	KS
	K) Assemble Swivel Studs						6-1-91	DH
	L) Attach Front and Rear Sight Assemblies						5/23/91	KS
	M) Iron Sight Alignment						5/23/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/23/91	KS
	O) Attach Scope to Rifle						5/23/91	KS
	P) Detach & Attach Scope 20 Times						5/23/91	KS
640	Gallery Target & Test						5-24-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						5-24-91	NF
655	Final Inspection							
	A) Headspace						6-1-91	DH
	B) Trigger Pull	2.50	2.65	2.68	2.69	2.64	6/1/91	DH
	C) Function						6-1-91	DH
660	Pack						6-20-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C-6636204

DATE 5/23/91

TESTER JCL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.61	2.58	2.24	2.70	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.45	2.51	2.65	
PULL #3	2.63	2.48	2.57	2.68	
PULL #4	2.50	2.47	2.51	2.69	
PULL #5	2.44	2.47	2.50	2.64	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.54		
PULL #2	3.44	3.55		
PULL #3	3.51	3.42		
PULL #4	3.42	3.52		
PULL #5	3.33	3.44		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.05	4.24		4.15
PULL #2	4.12	3.94		4.23
PULL #3	4.00	4.32		4.32
PULL #4	4.14	4.10		4.20
PULL #5	4.26	4.30		3.77
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636204
24 May 1991

CENTROIDAL DISTANCES

0 TO	1	.0871321
1 TO	2	.11456
1 TO	3	.0355106
1 TO	4	.222497
1 TO	5	.10448

4 (----FOR

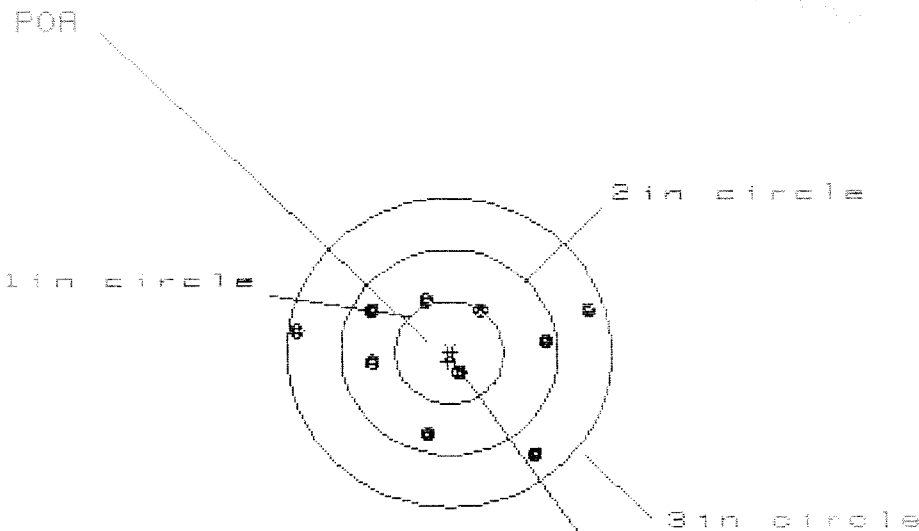
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0286
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0234
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0369529

THE AMR FOR THIS RIFLE IS: 1.103

24 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636204

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS = 2.705

VS = 1.537

GS = 2.710

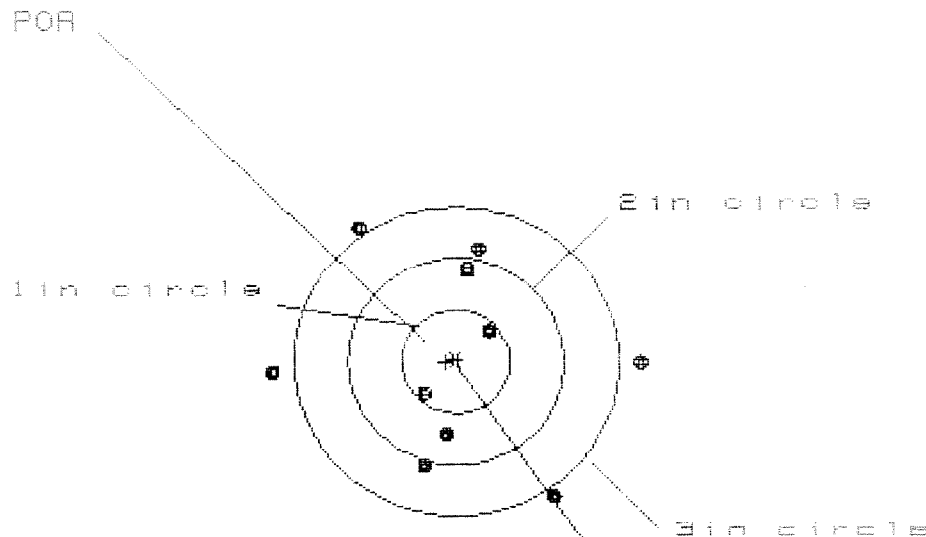
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.264	1.103	.909
MINIMUM X	-1.441	-.918	-.780
MAXIMUM Y	.540	.563	.614
MINIMUM Y	-.997	-.974	-.923
CENTROID X	.014	.175	.037
CENTROID Y	.086	.063	.012
POA TO CENTROID in.	.087	.185	.039
MIN RADIUS	.218	.212	.142
MEAN RADIUS	.866	.798	.733
MAX RADIUS	1.457	1.174	1.196
HORIZONTAL SPREAD	2.705	2.021	1.689
VERTICAL SPREAD	1.537	1.537	1.537
EXTREME SPREAD	2.710	2.067	2.039
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

24 May 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 4

3 in = 6

HS = 3.381

VS = 2.621

GS = 3.385

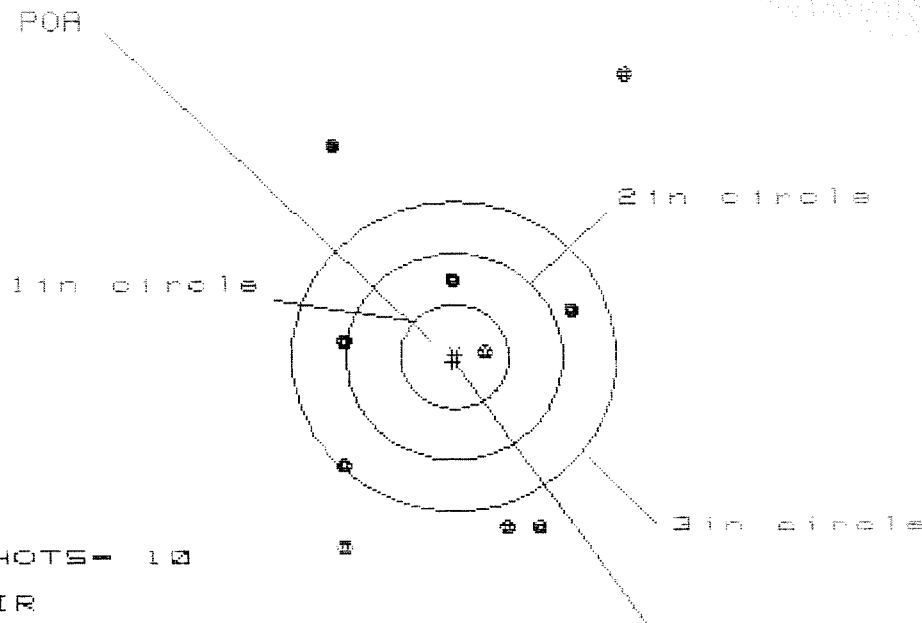
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.719	1.131	.947
MINIMUM X	-1.662	-1.471	-.856
MAXIMUM Y	1.282	1.283	1.265
MINIMUM Y	-1.339	-1.338	-1.356
CENTROID X	.096	-.095	.089
CENTROID Y	.006	.005	.023
POA TO CENTROID in.	.096	.095	.092
MIN RADIUS	.418	.319	.410
MEAN RADIUS	1.123	1.046	.979
MAX RADIUS	1.719	1.752	1.654
HORIZONTAL SPREAD	3.381	2.602	1.803
VERTICAL SPREAD	2.621	2.621	2.621
EXTREME SPREAD	3.385	3.181	3.181
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		6	

24 May 1991

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CENTERFIRE PATTERNS # 3



HS= 2.659

VS= 4.617

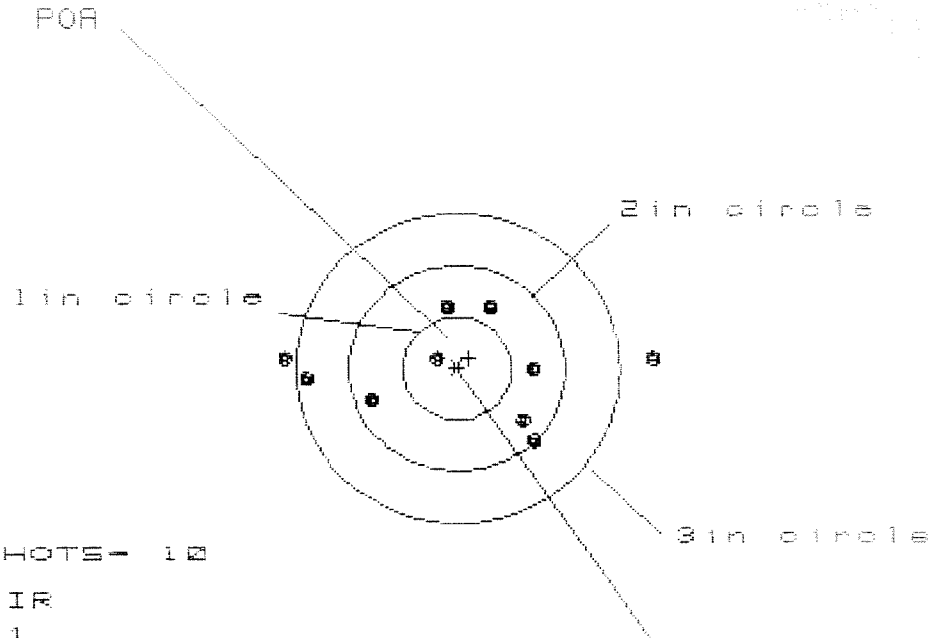
GS= 5.280

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.531	1.271	1.152
MINIMUM X	-1.128	-0.958	-1.004
MAXIMUM Y	2.737	2.360	1.390
MINIMUM Y	-1.880	-1.576	-1.281
CENTROID X	.020	-.150	-.031
CENTROID Y	.051	-.253	-.548
POA TO CENTROID in.	.055	.294	.549
MIN RADIUS	.326	.592	.725
MEAN RADIUS	1.598	1.420	1.267
MAX RADIUS	3.136	2.547	1.612
HORIZONTAL SPREAD	2.659	2.229	2.156
VERTICAL SPREAD	4.617	3.936	2.671
EXTREME SPREAD	5.280	4.131	3.179
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	5		

24 May 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 3.494

VS= 1.294

GS= 3.494

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.854	.954	.775
MINIMUM X	:	-1.640	-1.434	-1.404
MAXIMUM Y	:	.630	.647	.664
MINIMUM Y	:	-.664	-.647	-.630
CENTROID X	:	-.105	-.311	-.132
CENTROID Y	:	-.102	-.119	-.136
POA TO CENTROID in.	:	.146	.333	.189
MIN RADIUS	:	.247	.089	.234
MEAN RADIUS	:	.970	.861	.777
MAX RADIUS	:	1.860	1.440	1.404
HORIZONTAL SPREAD	:	3.494	2.388	2.179
VERTICAL SPREAD	:	1.294	1.294	1.294
EXTREME SPREAD	:	3.494	2.513	2.262
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
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 = 3

2in = 5

3in = 7

CENTROID #

HS = 2.815

VS = 2.783

GS = 3.504

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.639	.858	.734
MINIMUM X	:	-1.176	-.994	-.956
MAXIMUM Y	:	1.203	1.105	1.133
MINIMUM Y	:	-1.580	-1.678	-1.540
CENTROID X	:	.118	-.064	.060
CENTROID Y	:	.076	.174	.036
POA TO CENTROID in.	:	.140	.186	.070
MIN RADIUS	:	.225	.192	.263
MEAN RADIUS	:	.957	.841	.756
MAX RADIUS	:	1.862	1.716	1.558
HORIZONTAL SPREAD	:	2.815	1.852	1.690
VERTICAL SPREAD	:	2.783	2.783	2.673
EXTREME SPREAD	:	3.504	3.094	2.673
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=			7