

C6636014

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington[®]

MODEL 700TM M24

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

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

DUPONT
REG. U.S. PAT. & T.M. OFF.

SERIAL NO.
C6636014

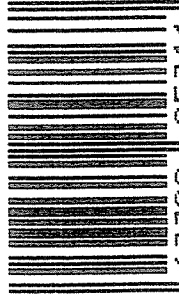
ORDER NO.
5716

20



5716 C6636014

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636014

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 8 91		RW
600	Proof	4 3 91		RW
607	Check Headspace			RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action		APR 9 1991	KR
	Magnaflux Bolt		APR 9 1991	CI
615	Rollmark Caliber		APR 9 1991	GS
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	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/14/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/14/91	RW
	C) Inspect Ejector Hole for Chamfer		5/14/91	RW
	D) Oil Firing Pin Ass'y		5/14/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/28/91	RW

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5-28-91	DH
	G) Safety Off Force	3	3	3			5-28-91	DH
	H) Trigger Pull Test & Retainability						5/28/91	RL
	I) Firing Pin Indent	.022	.022	.022			5-28-91	DH
	J) Assemble Stock						5/29/91	Rw
	K) Assemble Swivel Studs						6-1-91	D/H
	L) Attach Front and Rear Sight Assemblies						5/29/91	Rw
	M) Iron Sight Alignment						5/29/91	Rw
	N) Detach Front & Rear Sights & place in numbered container						5/29/91	Rw
	O) Attach Scope to Rifle						5/29/91	Rw
	P) Detach & Attach Scope 20 Times						5/29/91	Rw
640	Gallery Target & Test						5-30-91	AC
	A) Time						5-30-91	AC
	B) Malfunctions						5-30-91	AC
	C) Pierced Primers						5-30-91	AC
	D) Optical Clarity of Scope						5-30-91	AC
645	Inspect for Live Ammo						5-30-91	AC
655	Final Inspection							
	A) Headspace						6-1-91	D/H
	B) Trigger Pull	2.25	2.20	2.15	2.19	2.20	6/1/91	RL
	C) Function						6-1-91	D/H
660	Pack						6-20-91	NE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6636014

DATE 5/28/91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.51	2.42	2.25	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.52	2.40	2.20	
PULL #3	2.62	2.48	2.40	2.15	
PULL #4	2.61	2.36	2.38	2.19	
PULL #5	2.65	2.38	2.35	2.20	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.56	3.22		
PULL #2	3.52	3.18		
PULL #3	3.52	3.28		
PULL #4	3.53	3.34		
PULL #5	3.56	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	4.27	4.28		4.22
PULL #2	4.22	4.32		4.27
PULL #3	4.19	4.29		4.15
PULL #4	4.30	4.24		4.21
PULL #5	4.21	4.36		4.24
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636014
30 May 1991

CENTROIDAL DISTANCES

0 TO	1	.239401
1 TO	2	.33738
1 TO	3	.379828
1 TO	4	.262618
1 TO	5	.168241

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1928
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .068
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .20444
THE AMR FOR THIS RIFLE IS: 1.083

30 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08E36814

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in - 2

2 in - 5

3 in - 8

HS= 2.168

VS= 4.114

GS= 4.172

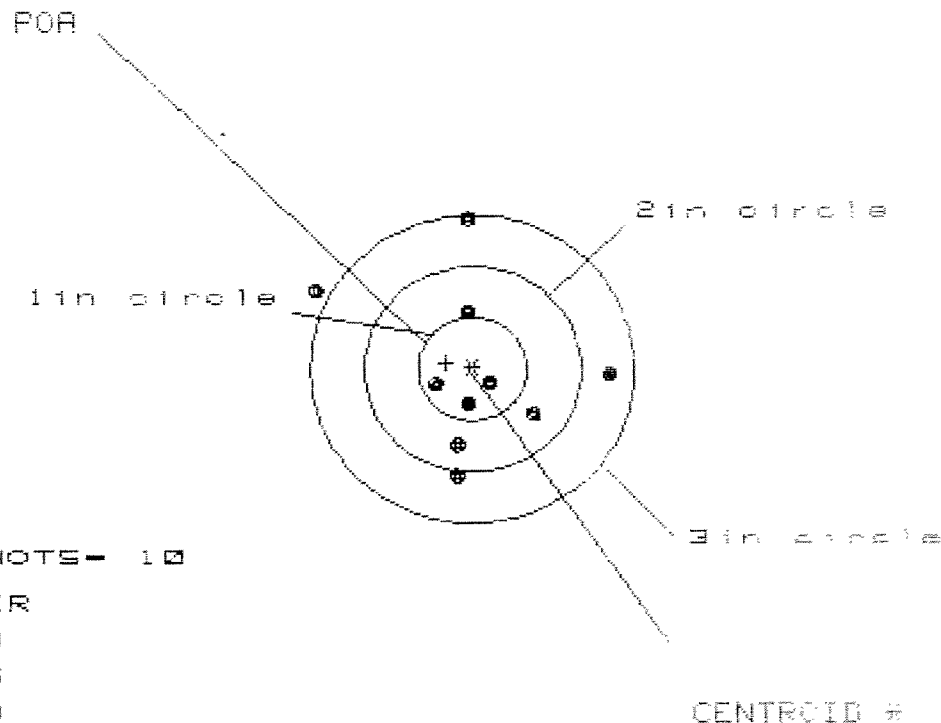
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.878	.904	.850
MINIMUM X	-1.290	-1.264	-1.318
MAXIMUM Y	1.873	1.624	1.397
MINIMUM Y	-2.241	-1.979	-1.778
CENTROID X	.073	.047	.101
CENTROID Y	.228	.477	.274
POA TO CENTROID in.	.240	.479	.292
MIN RADIUS	.372	.423	.401
MEAN RADIUS	1.148	1.022	.910
MAX RADIUS	2.254	1.680	1.529
HORIZONTAL SPREAD	2.168	2.168	2.168
VERTICAL SPREAD	4.114	2.603	2.179
EXTREME SPREAD	4.172	2.891	2.483
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

30 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8536014

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 3

2in = 6

3in = 9

HS = 2.699

VS = 2.445

GS = 2.839

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.286	1.129	1.105
MINIMUM X	:	-1.413	-1.506	-1.530
MAXIMUM Y	:	1.446	1.535	1.608
MINIMUM Y	:	-0.999	-0.910	-0.718
CENTROID X	:	0.242	0.399	0.423
CENTROID Y	:	-0.064	-0.153	-0.345
POA TO CENTROID in.	:	0.250	0.427	0.546
MIN RADIUS	:	0.260	0.090	0.114
MEAN RADIUS	:	0.839	0.721	0.584
MAX RADIUS	:	1.623	1.548	1.122
HORIZONTAL SPREAD	:	2.699	1.635	1.635
VERTICAL SPREAD	:	2.445	2.445	1.606
EXTREME SPREAD	:	2.839	2.447	1.688
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

30 May 1991

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CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.166

VS= 3.457

GS= 3.605

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.241	1.199	1.271
MINIMUM X	:	-.925	-.968	-.895
MAXIMUM Y	:	1.650	1.449	1.266
MINIMUM Y	:	-1.807	-1.114	-.933
CENTROID X	:	.348	.391	.318
CENTROID Y	:	-.034	.167	-.014
POA TO CENTROID in.	:	.349	.425	.318
MIN RADIUS	:	.181	.212	.145
MEAN RADIUS	:	1.105	1.009	.922
MAX RADIUS	:	1.849	1.580	1.529
HORIZONTAL SPREAD	:	2.166	2.166	2.166
VERTICAL SPREAD	:	3.457	2.563	2.139
EXTREME SPREAD	:	3.605	2.937	2.481
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

30 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/00366014

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 8

HS= 2.191

VS= 3.236

GS= 3.381

CENTROID *

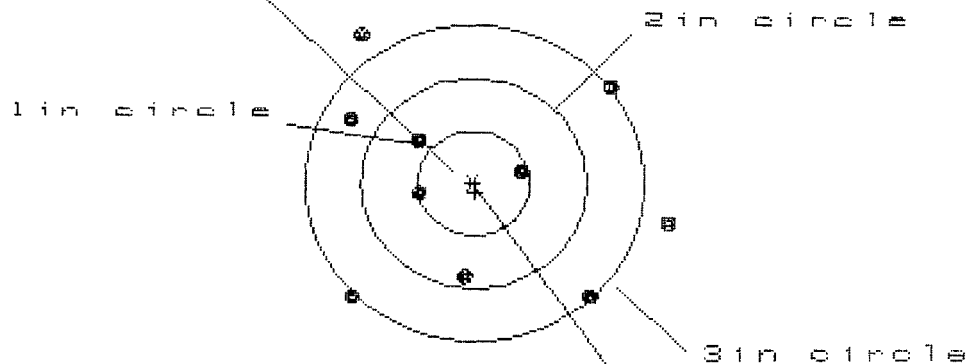
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.886	.862	.863
MINIMUM X	:	-1.305	-1.206	-1.206
MAXIMUM Y	:	1.558	1.157	.969
MINIMUM Y	:	-1.678	-1.505	-1.437
CENTROID X	:	.313	.216	.215
CENTROID Y	:	.126	-.047	.141
POA TO CENTROID in.	:	.339	.221	.256
MIN RADIUS	:	.688	.753	.568
MEAN RADIUS	:	1.155	1.101	1.006
MAX RADIUS	:	1.792	1.505	1.486
HORIZONTAL SPREAD	:	2.191	2.068	2.068
VERTICAL SPREAD	:	3.236	2.662	2.406
EXTREME SPREAD	:	3.381	2.663	2.446
NUMBER IN ONE INCH CIRCLE =			0	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			8	

30 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636014

CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 6

HS= 2.815

VS= 2.521

GS= 3.249

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.691	1.576	1.248
MINIMUM X	:	-1.124	-1.239	-1.041
MAXIMUM Y	:	1.416	1.110	1.084
MINIMUM Y	:	-1.105	-.947	-.973
CENTROID X	:	-.014	.101	-.097
CENTROID Y	:	.084	-.074	-.048
POA TO CENTROID in.	:	.085	.125	.108
MIN RADIUS	:	.406	.391	.361
MEAN RADIUS	:	1.167	1.101	1.011
MAX RADIUS	:	1.750	1.590	1.653
HORIZONTAL SPREAD	:	2.815	2.815	2.289
VERTICAL SPREAD	:	2.521	2.057	2.057
EXTREME SPREAD	:	3.249	3.077	3.077
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			6	