

C6636271

MODEL 700TM M24

Model SMSTM

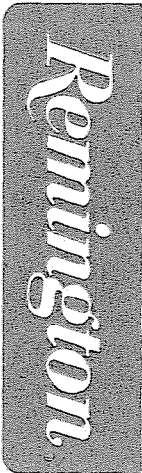
Action

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 700™ M24		SERIAL NO. C6636271	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off., Marca Registrada Marque Deposee.			
 5716 C6636271			

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6636271

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		5/3/91	KS
600	Proof		5/3/91	KS
607	Check Headspace		5/3/91	KS
610	Dis-assemble Gun		5/3/91	KS
612	Magnaflux Barrel Action	5 8 9 1		KCD
	Magnaflux Bolt	5 8 9 1		KCD
615	Rollmark Caliber	5 8 9 1		GS
617	Drill and Tap Sight Holes	5 15 9 1		FB
618	Polish Barrel	5 15 9 1		WB
620	Apply Coatings (Barrel Action)		5-29-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/30/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/30/91	KS
	C) Inspect Ejector Hole for Chamfer		5/30/91	KS
	D) Oil Firing Pin Ass'y		5/30/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		6-5-91	GU

op. #	NAME	READINGS					DATE	INIT
	BARBER M24 0032456							
625 cont.	F) Safety On Force	5	5	5			6-5-91	JK
	G) Safety Off Force	3	3	3			6-5-91	JK
	H) Trigger Pull Test & Retainability						6-5-91	JK
	I) Firing Pin Indent	.022	.022	.022			6-5-91	JK
	J) Assemble Stock						6/5/91	KS
	K) Assemble Swivel Studs						6-14-91	JK
	L) Attach Front and Rear Sight Assemblies						6/5/91	KS
	M) Iron Sight Alignment						6/5/91	KS
	N) Detach Front & Rear Sights & place in numbered container						6/5/91	KS
	O) Attach Scope to Rifle						6/5/91	KS
	P) Detach & Attach Scope 20 Times						6/5/91	KS
640	Gallery Target & Test						6-6-91	AC
	A) Time						6-6-91	AC
	B) Malfunctions						6-6-91	AC
	C) Pierced Primers						6-6-91	AC
	D) Optical Clarity of Scope						6-6-91	AC
645	Inspect for Live Ammo						6-6-91	AC
655	Final Inspection							
	A) Headspace						6-14-91	JK
	B) Trigger Pull	2.14	2.18	2.15	2.13	2.16	6-13-91	JK
	C) Function						6-14-91	JK
660	Pack						6-14-91	AF

SWS TRIGGER PULL TESTAVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636271DATE 6-5-91TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.55	2.42	2.49	2.14	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.40	2.51	2.18	
PULL #3	2.45	2.47	2.43	2.15	
PULL #4	2.46	2.44	2.48	2.13	
PULL #5	2.48	2.52	2.44	2.16	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.53		
PULL #2	3.54	3.65		
PULL #3	3.43	3.29		
PULL #4	3.53	3.48		
PULL #5	3.53	3.51		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.40	4.26		4.54
PULL #2	4.42	4.23		4.56
PULL #3	4.46	4.41		4.52
PULL #4	4.49	4.44		4.61
PULL #5	4.43	4.50		4.55
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636271
6 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.552782
1 TO	2	.327341
1 TO	3	1.00022
1 TO	4	.886612
1 TO	5	.540098

σ^2_{52} (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1534
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1348
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .204212
THE AMR FOR THIS RIFLE IS: 1.048

6 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08696271

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 5

HS= 2.500

VS= 3.877

GS= 3.914

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.446	1.556	1.626
MINIMUM X	:	-1.054	-.944	-.874
MAXIMUM Y	:	1.883	1.661	1.528
MINIMUM Y	:	-1.994	-1.887	-1.679
CENTROID X	:	.252	.142	.072
CENTROID Y	:	-.492	-.270	-.478
POA TO CENTROID in.	:	.553	.306	.483
MIN RADIUS	:	.262	.070	.276
MEAN RADIUS	:	1.251	1.101	1.012
MAX RADIUS	:	2.225	1.892	1.680
HORIZONTAL SPREAD	:	2.500	2.500	2.500
VERTICAL SPREAD	:	3.877	3.548	3.207
EXTREME SPREAD	:	3.914	3.616	3.211
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	5		

6 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6635271

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 2.425

VS= 2.685

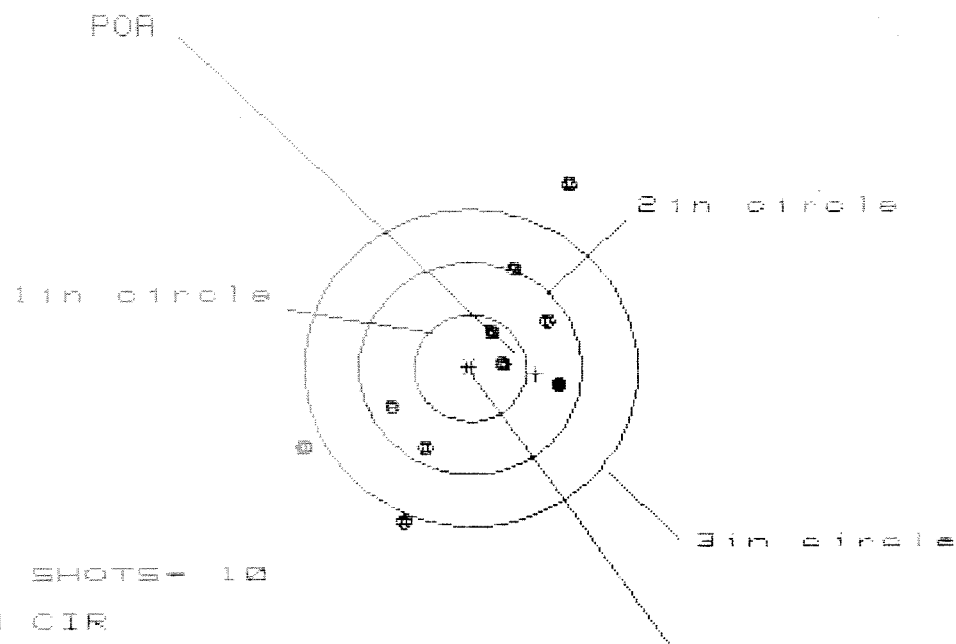
GS= 3.024

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.008	1.101	.935
MINIMUM X	:	-1.417	-1.324	-1.056
MAXIMUM Y	:	.995	.808	.683
MINIMUM Y	:	-1.690	-.998	-.793
CENTROID X	:	-.004	-.097	.069
CENTROID Y	:	-.288	-.101	.024
POA TO CENTROID in.	:	.288	.139	.073
MIN RADIUS	:	.309	.199	.012
MEAN RADIUS	:	.948	.809	.669
MAX RADIUS	:	1.883	1.659	1.158
HORIZONTAL SPREAD	:	2.425	2.425	1.991
VERTICAL SPREAD	:	2.685	1.806	1.476
EXTREME SPREAD	:	3.024	3.024	2.204
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	8		

6 Jun 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 7

HS= 2.358

VS= 3.203

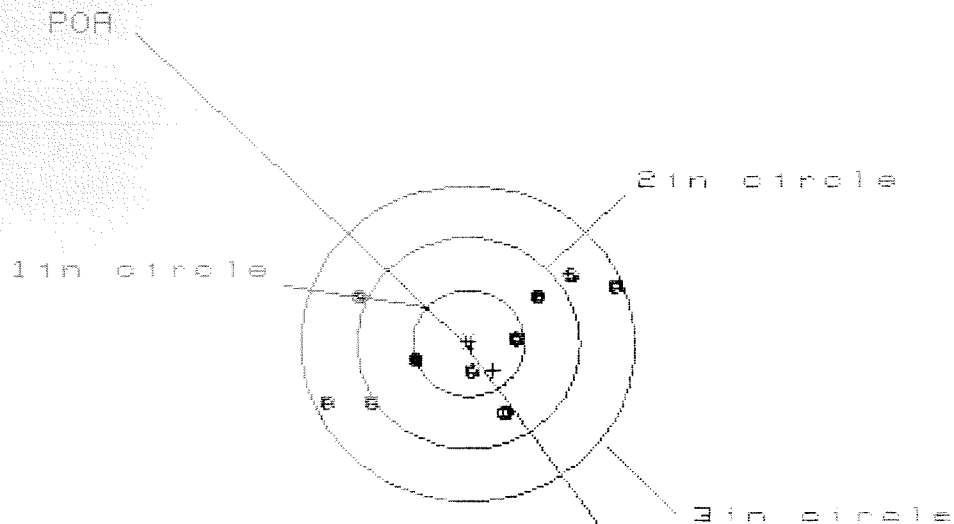
GS= 3.520

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.873
MINIMUM X	-1.485
MAXIMUM Y	1.731
MINIMUM Y	-1.472
CENTROID X	-.588
CENTROID Y	.051
POA TO CENTROID in.	.591
MIN RADIUS	.247
MEAN RADIUS	1.016
MAX RADIUS	1.939
HORIZONTAL SPREAD	2.358
VERTICAL SPREAD	3.203
EXTREME SPREAD	3.520
NUMBER IN ONE INCH CIRCLE	2
NUMBER IN TWO INCH CIRCLE	6
NUMBER IN THREE INCH CIRCLE	7

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 2.605

VS= 1.276

GS= 2.847

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.363	1.071	.935
MINIMUM X	:	-1.242	-1.091	-.961
MAXIMUM Y	:	.645	.709	.646
MINIMUM Y	:	-.631	-.567	-.630
CENTROID X	:	-.224	-.375	-.239
CENTROID Y	:	.256	.192	.255
POA TO CENTROID in.	:	.340	.421	.349
MIN RADIUS	:	.221	.231	.221
MEAN RADIUS	:	.872	.795	.734
MAX RADIUS	:	1.482	1.285	1.137
HORIZONTAL SPREAD	:	2.605	2.162	1.896
VERTICAL SPREAD	:	1.276	1.276	1.276
EXTREME SPREAD	:	2.847	2.479	2.185
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 8

HS= 3.206

VS= 2.093

GS= 3.282

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.622	1.446	1.372
MINIMUM X	-1.584	-1.431	-1.250
MAXIMUM Y	.976	.852	.785
MINIMUM Y	-1.117	-.673	-.740
CENTROID X	-.203	-.027	-.208
CENTROID Y	-.201	-.077	-.010
POA TO CENTROID in.	.286	.082	.208
MIN RADIUS	.694	.567	.686
MEAN RADIUS	1.152	1.042	.970
MAX RADIUS	1.938	1.544	1.372
HORIZONTAL SPREAD	3.206	2.877	2.622
VERTICAL SPREAD	2.093	1.525	1.525
EXTREME SPREAD	3.282	2.881	2.661
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	