

C6636311

MODEL 700TM M24

Model **SMS** TM

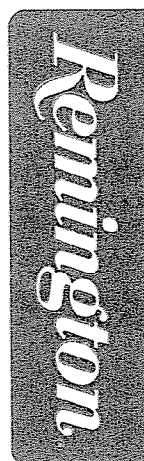
Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



Remington[®] **DU PONT**
REG. U.S. PAT. & TM. OFF.

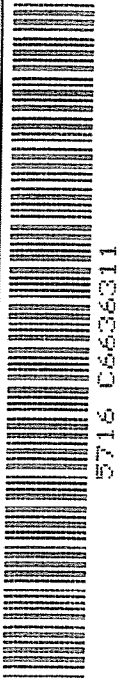
VERY IMPORTANT!
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700TM M24

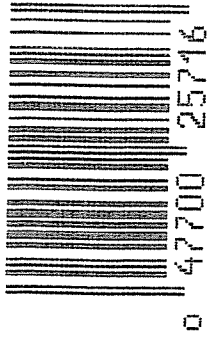
SERIAL NO.
C6636311

ORDER NO.
5716

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



LPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636311

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/27/91	KA
600	Proof		6/27/91	KA
607	Check Headspace		6/27/91	KA
610	Dis-assemble Gun		6/27/91	KA
612	Magnaflux Barrel Action		JUL 2 1991	KR
	Magnaflux Bolt		JUL 2 1991	KR
615	Rollmark Caliber		JUL 2 1991	KR
617	Drill and Tap Sight Holes		JUL 2 1991	LB
618	Polish Barrel		JUL 7 1991	WB
620	Apply Coatings (Barrel Action)		8-6-91	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/15/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/15/91	KA
	C) Inspect Ejector Hole for Chamfer		8/15/91	KA
	D) Oil Firing Pin Ass'y		8/15/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		8/16/91	WB

op. #	BARBER - M24 0032902 OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4 ³ / ₄	4 ¹ / ₂	4 ¹ / ₂	8/16/91	WB		
	G) Safety Off Force	2 ¹ / ₄	2 ¹ / ₄	2 ¹ / ₄	8/16/91	WB		
	H) Trigger Pull Test & Retainability				8/16/91	WB		
	I) Firing Pin Indent	.0225	.0225	.022	8/16/91	WB		
	J) Assemble Stock				8/16/91	KJ		
	K) Assemble Swivel Studs				8/22/91	KJ		
	L) Attach Front and Rear Sight Assemblies				8/16/91	KJ		
	M) Iron Sight Alignment				8/16/91	KJ		
	N) Detach Front & Rear Sights & place in numbered container				8/16/91	KJ		
	O) Attach Scope to Rifle				8/16/91	KJ		
	P) Detach & Attach Scope 20 Times				8/16/91	KJ		
640	Gallery Target & Test				8/16/91	KJ		
	A) Time					KJ		
	B) Malfunctions					KJ		
	C) Pierced Primers					KJ		
	D) Optical Clarity of Scope					KJ		
645	Inspect for Live Ammo				8/19/91	KJ		
655	Final Inspection							
	A) Headspace				8/22/91	KJ		
	B) Trigger Pull	2.34	2.41	2.44	2.46	2.37	8-20-91	DH
	C) Function						8/22/91	KJ
660	Pack						9-18-91	KJ

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636311
23 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.133184
1 TO	2	.090802
1 TO	3	.158474
1 TO	4	.101789
1 TO	5	.191651

95 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1448
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0236
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .146711
THE AMP FOR THIS RIFLE IS: .9444

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CBB3B311

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 2.586

VS = 2.471

CS = 3.098

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.331	1.229	.873
MINIMUM X	-1.255	-1.357	-1.203
MAXIMUM Y	.922	.749	.800
MINIMUM Y	-1.549	-1.201	-1.150
CENTROID X	-.133	-.031	-.185
CENTROID Y	.007	.180	.129
POA TO CENTROID in.	.134	.182	.225
MIN RADIUS	.316	.184	.198
MEAN RADIUS	1.027	.904	.848
MAX RADIUS	1.802	1.366	1.404
HORIZONTAL SPREAD	2.586	2.586	2.076
VERTICAL SPREAD	2.471	1.950	1.950
EXTREME SPREAD	3.098	2.619	2.335
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8696311

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 8

HS = 2.715

VS = 2.534

CS = 2.817

CENTROID #

PATTERN #	2	2	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.161	1.100	.898
MINIMUM X	-1.554	-1.615	-.849
MAXIMUM Y	.968	.794	.783
MINIMUM Y	-1.566	-.836	-.847
CENTROID X	-.046	.015	.217
CENTROID Y	-.019	.155	.165
POA TO CENTROID in.	.050	.156	.273
MIN RADIUS	.189	.183	.187
MEAN RADIUS	.945	.830	.711
MAX RADIUS	1.661	1.617	1.234
HORIZONTAL SPREAD	2.715	2.715	1.747
VERTICAL SPREAD	2.534	1.630	1.630
EXTREME SPREAD	2.817	2.817	2.140
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636311

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 10

HS= 2.262

VS= 2.425

GS= 2.530

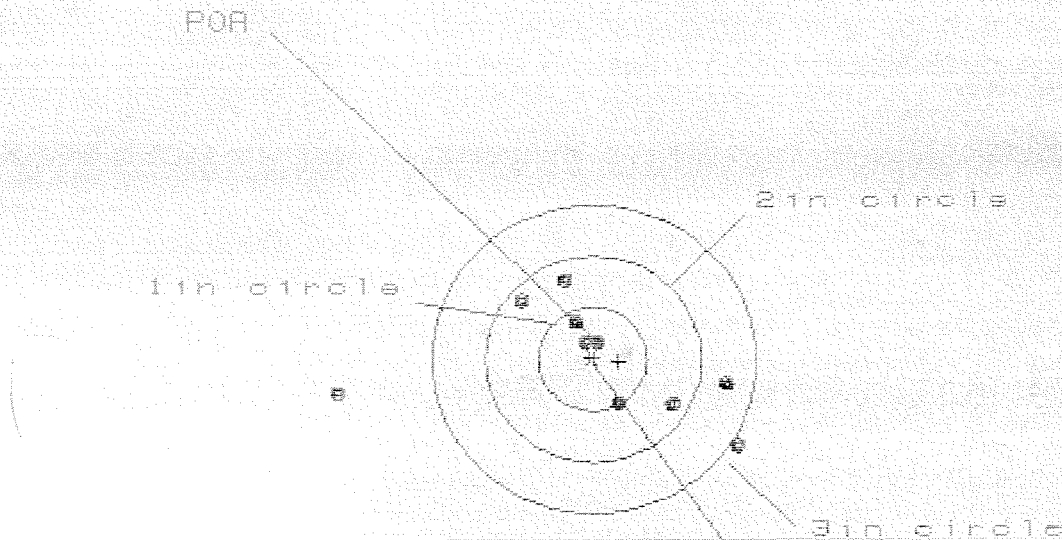
CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.050	.989	.829
MINIMUM X	-1.212	-1.273	-.605
MAXIMUM Y	1.288	.545	.554
MINIMUM Y	-1.137	-.994	-.926
CENTROID X	.002	.063	.223
CENTROID Y	-.076	-.219	-.287
POA TO CENTROID in.	.076	.228	.364
MIN RADIUS	.064	.186	.307
MEAN RADIUS	.782	.722	.655
MAX RADIUS	1.401	1.385	.949
HORIZONTAL SPREAD	2.262	2.262	1.434
VERTICAL SPREAD	2.425	1.539	1.480
EXTREME SPREAD	2.530	2.504	1.628
NUMBER IN ONE INCH CIRCLE	= 3		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 10		

23 Aug 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR= 10

1in = 4

2in = 7

3in = 8

HS= 3.649

VS= 1.566

GS= 3.680

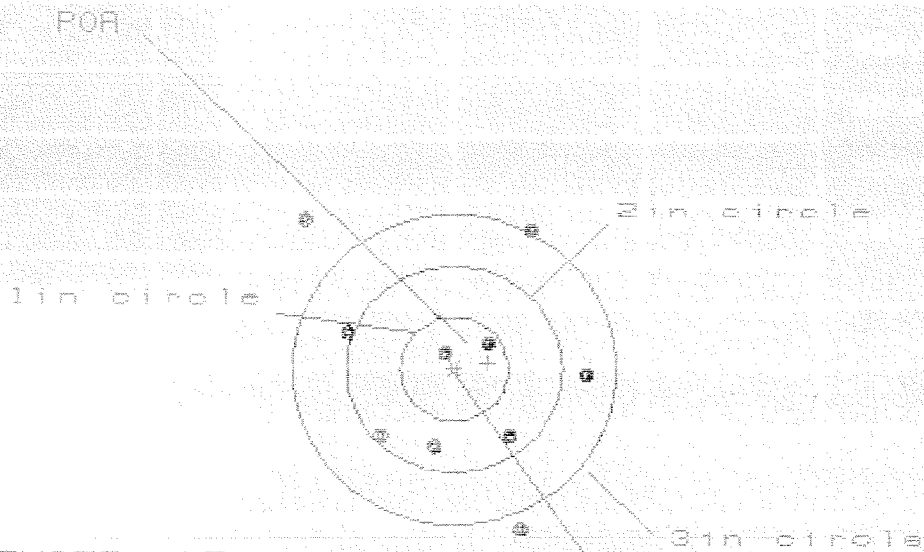
CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.207	1.025	1.065
MINIMUM X	-2.362	-1.902	-1.774
MAXIMUM Y	.782	.748	.646
MINIMUM Y	-1.784	-1.818	-1.595
CENTROID X	-.233	.029	-.099
CENTROID Y	.026	.060	.162
POA TO CENTROID in.	.235	.066	.190
MIN RADIUS	.179	.269	.105
MEAN RADIUS	.898	.730	.610
MAX RADIUS	2.381	1.311	1.129
HORIZONTAL SPREAD	3.649	1.927	1.839
VERTICAL SPREAD	1.566	1.566	1.241
EXTREME SPREAD	3.680	2.373	2.021
NUMBER IN ONE INCH CIRCLE	= 4		
NUMBER IN TWO INCH CIRCLE	= 7		
NUMBER IN THREE INCH CIRCLE	= 8		

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636311

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 7

H_E= 2.665V_E= 2.955G_E= 3.606

CENTROID #

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.247	1.089	1.150
MINIMUM X	-1.418	-1.164	-1.103
MAXIMUM Y	1.429	1.501	1.330
MINIMUM Y	-1.526	-1.368	-1.788
CENTROID X	-.314	-.156	-.217
CENTROID Y	-.056	-.214	-.043
POA TO CENTROID in.	.318	.265	.222
MIN RADIUS	.218	.440	.276
MEAN RADIUS	1.070	.956	.877
MAX RADIUS	2.013	1.588	1.451
HORIZONTAL SPREAD	2.665	2.253	2.253
VERTICAL SPREAD	2.955	2.869	2.118
EXTREME SPREAD	3.606	2.869	2.389
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		7	

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6636311DATE 8/16/91TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.55	2.54	2.34	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.61	2.50	2.41	
PULL #3	2.47	2.73	2.47	2.44	
PULL #4	2.44	2.74	2.48	2.46	
PULL #5	2.47	2.53	2.38	2.37	
TOTAL	12.12	13.16	12.37		
AVG.	2.42	2.63	2.47		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.38		
PULL #2	3.30	3.36		
PULL #3	3.38	3.18		
PULL #4	3.37	3.31		
PULL #5	3.21	3.33		
TOTAL	16.55	16.56		
AVG.	3.31	3.31		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.35		4.21
PULL #2	4.08	4.31		4.37
PULL #3	4.10	4.19		4.36
PULL #4	4.16	4.17		4.36
PULL #5	4.20	4.25		4.00
TOTAL	20.75	21.27		21.30
AVG.	4.15	4.25		4.26