

C6636192

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

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

MODEL 700TM M24

SERIAL NO.
C6636192

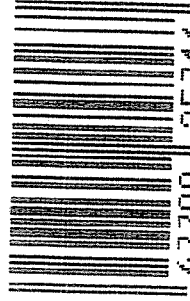
ORDER NO.
5716

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



5716 C6636192

LPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636192

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	4/9/91	KS
600	Proof		4/9/91	KS
607	Check Headspace		4/9/91	KS
610	Dis-assemble Gun		4/9/91	KS
612	Magnaflux Barrel Action		4/10/91	KR
	Magnaflux Bolt		4/10/91	LI
615	Rollmark Caliber		4/10/91	LS
617	Drill and Tap Sight Holes		APR 19 1991	LB
618	Polish Barrel		APR 19 1991	WB
620	Apply Coatings (Barrel Action)		5-10-91	TH
	Apply Coating (Bolt)			
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	KS
	E) Adjust Trigger Pull to Min Setting and Stake		5-18-91	DH

op. #	BARBER M24 0038748	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5-18-91	K
	G) Safety Off Force	3	4	3			5-18-91	K
	H) Trigger Pull Test & Retainability						5-18-91	DH
	I) Firing Pin Indent	.021	.021	.020			5-18-91	K
	J) Assemble Stock						5/18/91	KS
	K) Assemble Swivel Studs						5-21-91	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						5/20/91	KF
	A) Time							KF
	B) Malfunctions							KF
	C) Pierced Primers							KF
	D) Optical Clarity of Scope							KF
645	Inspect for Live Ammo						5/20/91	KF
655	Final Inspection							
	A) Headspace						5-21-91	DH
	B) Trigger Pull	269	270	256	260	255	5/21/91	QU
	C) Function						5-21-91	DH
660	Pack						6-18-91	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6636192

DATE 5-18-91

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.58	2.71	2.63	2.69	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.63	2.75	2.54	2.70	
PULL #3	2.63	2.60	2.40	2.56	
PULL #4	2.58	2.72	2.47	2.60	
PULL #5	2.38	2.74	2.50	2.55	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.40	3.48		
PULL #2	3.45	3.44		
PULL #3	3.38	3.46		
PULL #4	3.47	3.01		
PULL #5	3.47	3.50		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.51	4.47		4.71
PULL #2	4.39	4.09		4.69
PULL #3	3.95	4.56		4.57
PULL #4	4.51	4.51		4.72
PULL #5	4.44	4.55		4.74
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636192
20 May 1981

CENTROIDAL DISTANCES

0 TO	1	.0288444
1 TO	2	.110114
1 TO	3	.256757
1 TO	4	.22419
1 TO	5	.395683

3.5 <----POA

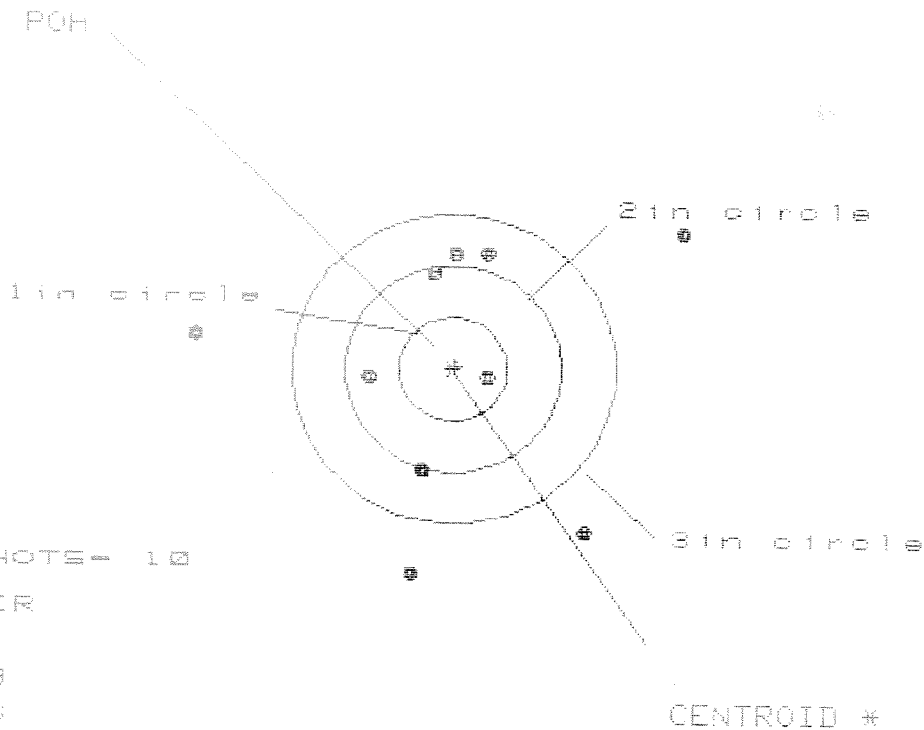
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.013
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0944
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0952909
THE AMR FOR THIS RIFLE IS: 1.081

28 May 1991

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CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS= 4.486

VS= 3.348

GS= 4.598

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.186	1.496	1.222
MINIMUM X	-2.380	-2.146	-1.850
MAXIMUM Y	1.339	1.244	1.303
MINIMUM Y	-2.009	-1.860	-1.801
CENTROID X	-1.016	-1.250	-1.018
CENTROID Y	-1.024	-1.173	-1.232
POA TO CENTROID in.	.029	.304	.233
MIN RADIUS	.284	.523	.292
MEAN RADIUS	1.429	1.313	1.186
MAX RADIUS	2.496	2.198	1.869
HORIZONTAL SPREAD	4.486	3.636	2.072
VERTICAL SPREAD	3.348	3.104	3.104
EXTREME SPREAD	4.598	4.126	3.166
NUMBER IN ONE INCH CIRCLE =	1	3	6
NUMBER IN TWO INCH CIRCLE =	3	6	10
NUMBER IN THREE INCH CIRCLE =	6	10	10

20 May 1991

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CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 3

2in = 5

3in = 8

HS = 3.020

VS = 2.306

GS = 3.669

CENTROID #

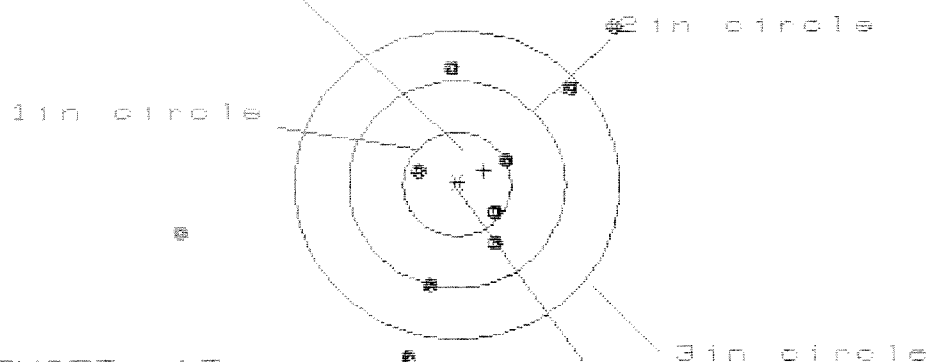
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.697	1.195	1.054
MINIMUM X	:	-1.323	-1.135	-1.051
MAXIMUM Y	:	1.174	1.166	1.069
MINIMUM Y	:	-1.132	-1.001	-1.098
CENTROID X	:	-.011	-.199	-.058
CENTROID Y	:	.086	-.045	.052
POA TO CENTROID in.	:	.086	.204	.078
MIN RADIUS	:	.214	.189	.183
MEAN RADIUS	:	.987	.823	.763
MAX RADIUS	:	2.064	1.670	1.501
HORIZONTAL SPREAD	:	3.020	2.330	2.105
VERTICAL SPREAD	:	2.306	2.167	2.167
EXTREME SPREAD	:	3.669	3.034	2.408
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

20 May 1991

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CENTERFIRE PATTERNS # 3

POA



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS = 3.951

VS = 3.200

GS = 4.409

CENTROID *

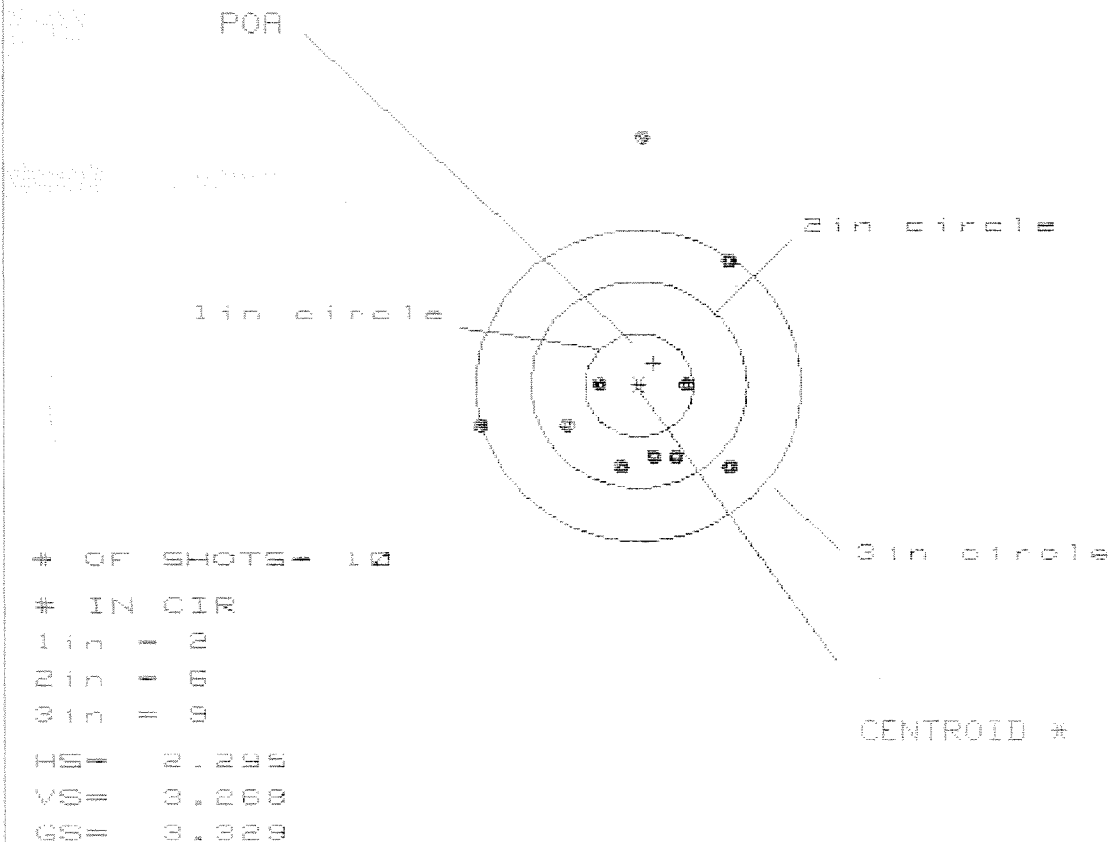
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.420
MINIMUM X	-2.531
MAXIMUM Y	1.510
MINIMUM Y	-1.690
CENTROID X	-.248
CENTROID Y	-.134
POA TO CENTROID in.	.282
MIN RADIUS	.341
MEAN RADIUS	1.197
MAX RADIUS	2.570
HORIZONTAL SPREAD	3.951
VERTICAL SPREAD	3.200
EXTREME SPREAD	4.409
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	7

20 May 1991

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CENTERFIRE PATTERNS

4



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.872	.876	.968
MINIMUM X	:	-1.423	-1.419	-1.310
MAXIMUM Y	:	2.457	1.486	.522
MINIMUM Y	:	-.811	-.538	-.352
CENTROID X	:	-.135	-.139	-.248
CENTROID Y	:	-.214	-.487	-.672
POR TO CENTROID in.	:	.253	.506	.717
MIN RADIUS	:	.369	.395	.288
MEAN RADIUS	:	1.035	.804	.653
MAX RADIUS	:	2.457	1.725	1.311
HORIZONTAL SPREAD	:	2.295	2.295	2.278
VERTICAL SPREAD	:	3.268	2.024	.875
EXTREME SPREAD	:	3.329	2.809	2.307
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

20 May 1991

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CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.271

VS= 1.770

GS= 2.653

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.387	.598	.525
MINIMUM X	:	-.884	-.730	-.803
MAXIMUM Y	:	.882	.783	.671
MINIMUM Y	:	-.888	-.897	-.655
CENTROID X	:	.345	.191	.264
CENTROID Y	:	-.186	-.087	.025
POA TO CENTROID in.	:	.392	.210	.265
MIN RADIUS	:	.208	.327	.271
MEAN RADIUS	:	.758	.664	.591
MAX RADIUS	:	1.647	1.071	1.003
HORIZONTAL SPREAD	:	2.271	1.328	1.328
VERTICAL SPREAD	:	1.770	1.680	1.326
EXTREME SPREAD	:	2.653	1.755	1.597
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	