

C6523438

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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

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

MODEL 700TM M24

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

SERIAL NO.
C6523438

ORDER NO.
5716

Ø1

5716 C6523438

UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523438

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 25	90	RW
600	Proof	9 25	90	RW
607	Check Headspace	9 25	90	RW
610	Dis-assemble Gun	9 25	90	RW
612	Magnaflux Barrel Action		9/26/90	KR
	Magnaflux Bolt		9/26/90	KR
615	Rollmark Caliber		9/26/90	L.S.
617	Drill and Tap Sight Holes		9/28/90	WB
618	Polish Barrel RB		10/1/90	WB
620	Apply Coatings (Barrel Action)		10/5/90	TA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		10/8/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/8/90	RW
	C) Inspect Ejector Hole for Chamfer		10/8/90	RW
	D) Oil Firing Pin Ass'y		10/8/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/9/90	WB

op. #	BARBER - M24 0028116 OP. NAME	READINGS			DATE	INIT	
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2	10/9/90	WB	
	G) Safety Off Force	2 1/4	2 1/4	2 1/4	10/9/90	WB	
	H) Trigger Pull Test & Retainability				10/9/90	WB	
	I) Firing Pin Indent	.022	.022	.022	10/9/90	WB	
	J) Assemble Stock				10/22/90	RW	
	K) Assemble Swivel Studs				2/16/90	JS	
	L) Attach Front and Rear Sight Assemblies				10/22/90	RW	
	M) Iron Sight Alignment				10/22/90	RW	
	N) Detach Front & Rear Sights & place in numbered container				10/24/90	RW	
	O) Attach Scope to Rifle				10/24/90	RW	
	P) Detach & Attach Scope 20 Times				10/24/90	RW	
640	Gallery Target & Test				10-26-90	AC	
	A) Time				10-26-90	AC	
	B) Malfunctions				10-26-90	AC	
	C) Pierced Primers				10-26-90	AC	
	D) Optical Clarity of Scope				10-26-90	AC	
645	Inspect for Live Ammo				10-26-90	AC	
655	Final Inspection				2/16/90	JS	
	A) Headspace				2/16/90	JS	
	B) Trigger Pull	2.79	2.92	2.84	2.64	2.77	2/16/90
	C) Function				2/16/90	JS	
660	Pack				12-17-90	DH	

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6523438

DATE 10/9/90

TESTER W3

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.28	2.17	2.79	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.25	2.22	2.97	
PULL #3	2.43	2.26	2.20	2.84	
PULL #4	2.42	2.17	2.17	2.64	
PULL #5	2.27	2.27	2.16	2.77	
TOTAL	11.90	11.23	10.92		
AVG.	2.38	2.24	2.18		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.25		
PULL #2	3.43	3.31		
PULL #3	3.34	3.26		
PULL #4	3.40	3.39		
PULL #5	3.46	3.22		
TOTAL	16.99	16.43		
AVG.	3.40	3.29		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.09	4.09		4.08
PULL #2	4.10	4.11		4.17
PULL #3	4.05	4.16		4.12
PULL #4	4.05	4.14		4.10
PULL #5	4.02	4.13		4.09
TOTAL	20.31	20.63		20.56
AVG.	4.06	4.12		4.11

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523438
26 Oct 1990

CENTROIDAL DISTANCES

0 TO	1	.552313
1 TO	2	.947562
1 TO	3	.421233
1 TO	4	.60324
1 TO	5	.574582

² ₁ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0484
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0056
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0487229
THE AMR FOR THIS RIFLE IS: .884

26 Oct 1998

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CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 10

HS = 2.384

VS = 2.295

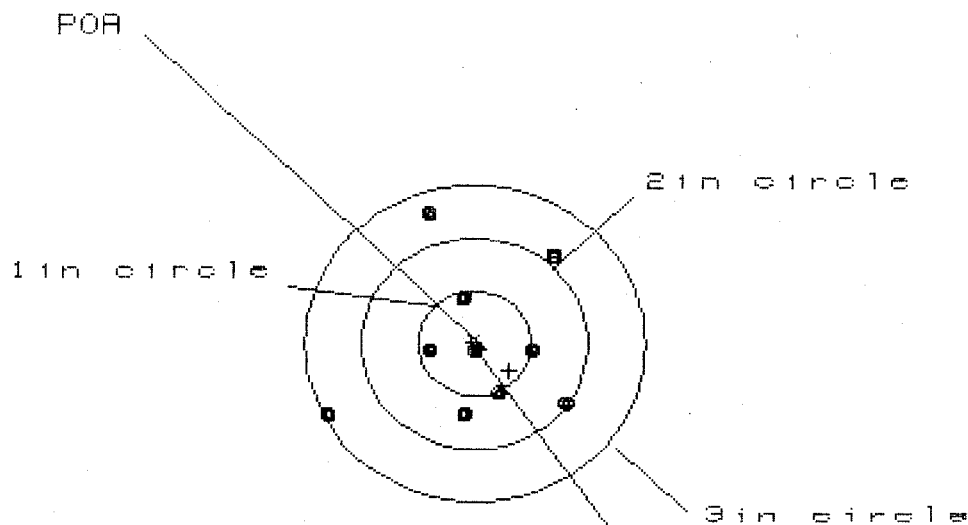
GS = 2.418

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.244	1.222	1.099
MINIMUM X	-1.140	-1.162	-1.285
MAXIMUM Y	1.380	.619	.524
MINIMUM Y	-.915	-.762	-.780
CENTROID X	.495	.517	.640
CENTROID Y	-.245	-.398	-.303
POA TO CENTROID in.	.552	.653	.708
MIN RADIUS	.416	.412	.530
MEAN RADIUS	.945	.899	.846
MAX RADIUS	1.394	1.245	1.287
HORIZONTAL SPREAD	2.384	2.384	2.384
VERTICAL SPREAD	2.295	1.381	1.304
EXTREME SPREAD	2.418	2.385	2.385
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

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CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 4

2in = 6

3in = 10

HS = 2.107

VS = 1.925

GS = 2.441

CENTROID *

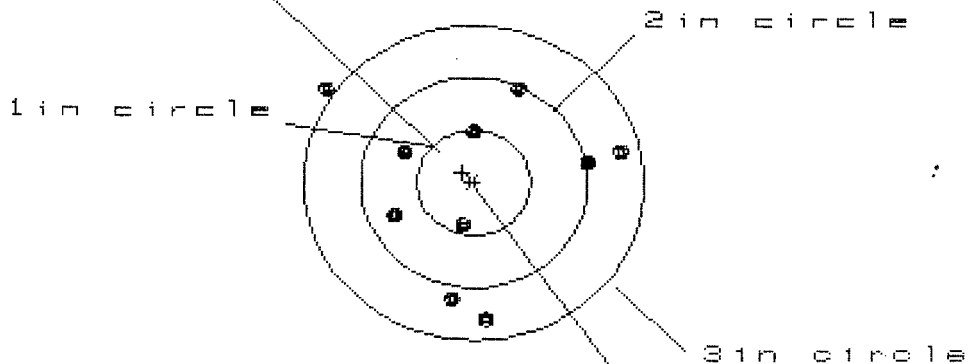
PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.843	.702	.632
MINIMUM X	:	-1.264	-.564	-.557
MAXIMUM Y	:	1.233	1.164	.898
MINIMUM Y	:	-.692	-.761	-.615
CENTROID X	:	-.305	-.164	-.094
CENTROID Y	:	.263	.332	.186
POA TO CENTROID in.	:	.403	.370	.208
MIN RADIUS	:	.046	.191	.227
MEAN RADIUS	:	.736	.669	.571
MAX RADIUS	:	1.406	1.294	1.027
HORIZONTAL SPREAD	:	2.107	1.266	1.189
VERTICAL SPREAD	:	1.925	1.925	1.513
EXTREME SPREAD	:	2.441	2.180	1.734
NUMBER IN ONE INCH CIRCLE =		4		
NUMBER IN TWO INCH CIRCLE =		6		
NUMBER IN THREE INCH CIRCLE =		10		

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CENTERFIRE PATTERNS # 3

POA



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.541

VS= 2.179

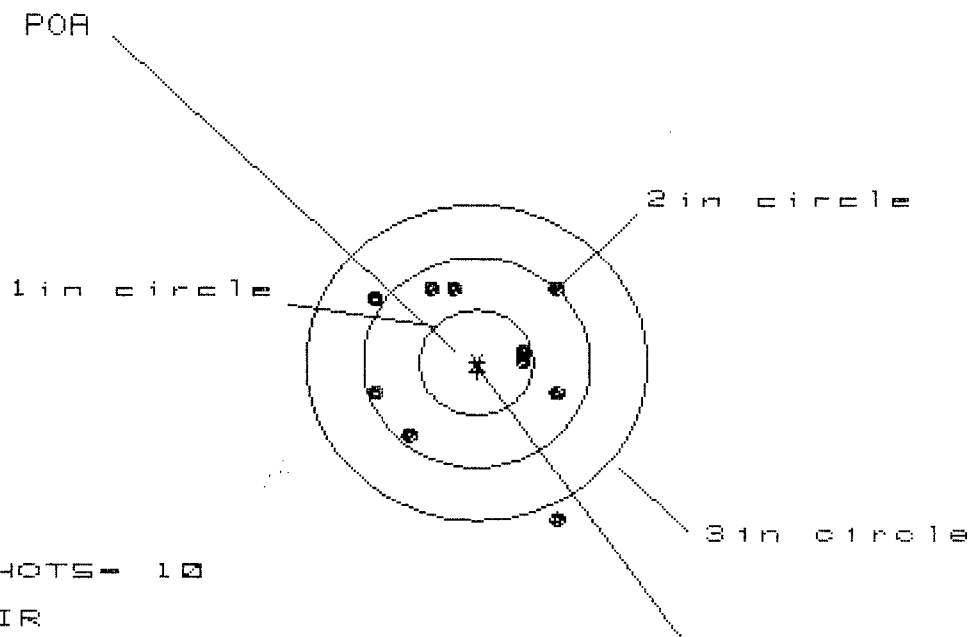
GS= 2.606

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.265	1.124	.971
MINIMUM X	:	-1.276	-.825	-.685
MAXIMUM Y	:	.890	.947	.998
MINIMUM Y	:	-1.289	-1.190	-1.139
CENTROID X	:	.101	.242	.102
CENTROID Y	:	-.096	-.195	-.246
POA TO CENTROID in.	:	.139	.311	.266
MIN RADIUS	:	.415	.382	.270
MEAN RADIUS	:	.949	.884	.821
MAX RADIUS	:	1.555	1.197	1.145
HORIZONTAL SPREAD	:	2.541	1.949	1.656
VERTICAL SPREAD	:	2.179	2.137	2.137
EXTREME SPREAD	:	2.606	2.155	2.155
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 8

3 in = 9

HS = 1.620

VS = 2.192

GS = 2.596

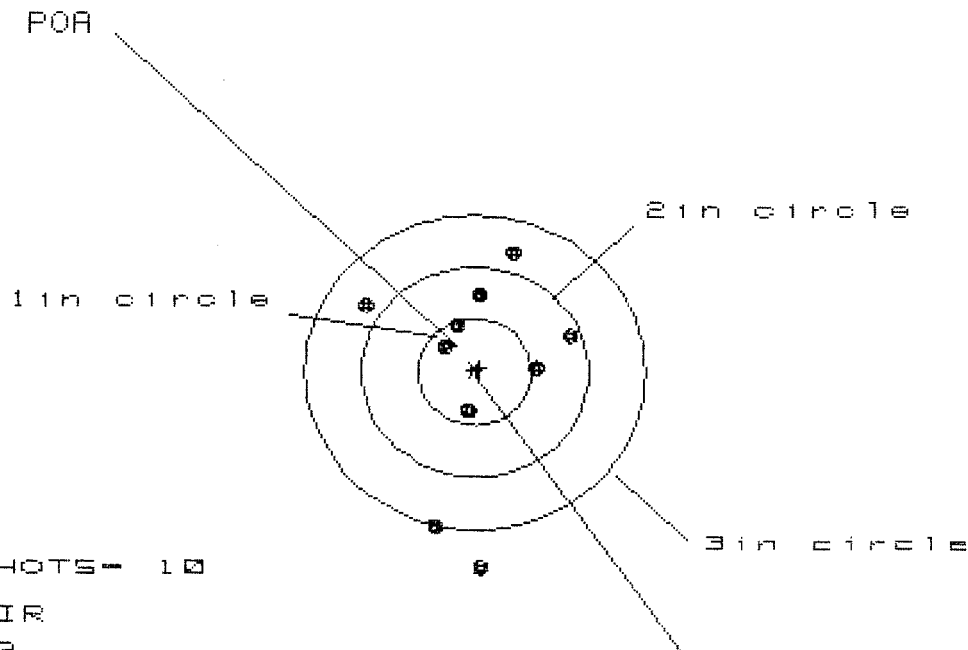
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.728	.802	.701
MINIMUM X	:	-.892	-.811	-.912
MAXIMUM Y	:	.746	.585	.639
MINIMUM Y	:	-1.446	-.887	-.833
CENTROID X	:	-.008	-.089	.012
CENTROID Y	:	.088	.249	.195
POA TO CENTROID in.	:	.088	.264	.196
MIN RADIUS	:	.423	.536	.423
MEAN RADIUS	:	.880	.783	.752
MAX RADIUS	:	1.619	1.037	1.050
HORIZONTAL SPREAD	:	1.620	1.613	1.613
VERTICAL SPREAD	:	2.192	1.472	1.472
EXTREME SPREAD	:	2.596	1.939	1.939
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS = 1.824

VS = 3.055

GS = 3.075

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.862	.866	.824
MINIMUM X	:	-.962	-.958	-1.000
MAXIMUM Y	:	1.161	.950	.746
MINIMUM Y	:	-1.895	-1.632	-.747
CENTROID X	:	-.041	-.045	-.003
CENTROID Y	:	-.038	.172	.376
POA TO CENTROID in.	:	.056	.178	.376
MIN RADIUS	:	.341	.255	.195
MEAN RADIUS	:	.910	.756	.615
MAX RADIUS	:	1.895	1.667	1.037
HORIZONTAL SPREAD	:	1.824	1.824	1.824
VERTICAL SPREAD	:	3.055	2.582	1.493
EXTREME SPREAD	:	3.075	2.684	1.855
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	