

C6523536

MODEL 700™ M24

Model **SMS**™

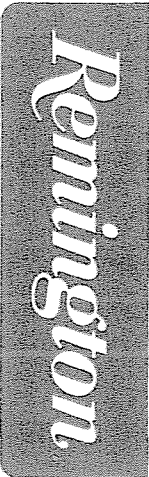
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Smead®

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. C6523536

ORDER NO. 5716

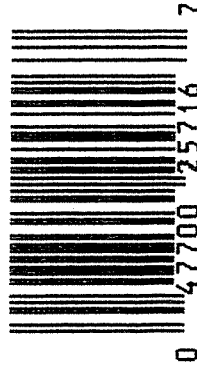
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

Ø1



5716 C6523536

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523536

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/2/90	KA
600	Proof		10/2/90	KA
607	Check Headspace		10/2/90	KA
610	Dis-assemble Gun		10/2/90	KA
612	Magnaflux Barrel Action		10/5/90	KR
	Magnaflux Bolt		10/5/90	KR
615	Rollmark Caliber		10/5/90	ZB
617	Drill and Tap Sight Holes		10/8/90	KB
618	Polish Barrel RB		10/9/90	WB
620	Apply Coatings (Barrel Action)		10-20-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/8/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/8/90	KS
	C) Inspect Ejector Hole for Chamfer		11/8/90	KS
	D) Oil Firing Pin Ass'y		11/8/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11-12-90	JL

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2	11/12/90	WB		
	G) Safety Off Force	2 1/4	2 1/4	2 1/4	11/12/90	WB		
	H) Trigger Pull Test & Retainability				11-12-90	JL		
	I) Firing Pin Indent	.0215	.0215	.0215	11/12/90	WB		
	J) Assemble Stock				11/12/90	KS		
	K) Assemble Swivel Studs				11-20-90	JS		
	L) Attach Front and Rear Sight Assemblies				11/12/90	KS		
	M) Iron Sight Alignment				11/12/90	KS		
	N) Detach Front & Rear Sights & place in numbered container				11/12/90	KS		
	O) Attach Scope to Rifle				11/12/90	KS		
P) Detach & Attach Scope 20 Times				11/12/90	KS			
640	Gallery Target & Test				11-13-90	DH		
	A) Time				11-13-90	DH		
	B) Malfunctions				11-13-90	DH		
	C) Pierced Primers				11-13-90	DH		
	D) Optical Clarity of Scope				11-13-90	DH		
645	Inspect for Live Ammo				11-13-90	DH		
655	Final Inspection							
	A) Headspace				11-20-90	JS		
	B) Trigger Pull	223	221	220	217	216	11-20-90	JS
	C) Function						11-20-90	JS
660	Pack						12/19/90	RF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523536

DATE 11-12-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.37	2.46	223	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.36	2.38	221	
PULL #3	2.43	2.17	2.47	220	
PULL #4	2.49	2.37	2.33	217	
PULL #5	2.38	2.38	2.49	216	
TOTAL	12.88	11.65	12.13		
AVG.	2.436	2.33	2.426		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.30		
PULL #2	3.36	3.33		
PULL #3	3.43	3.38		
PULL #4	3.40	3.40		
PULL #5	3.42	3.31		
TOTAL	16.84	16.72		
AVG.	3.368	3.344		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.34		4.33
PULL #2	4.25	4.32		4.48
PULL #3	4.17	4.41		4.45
PULL #4	4.37	4.47		4.50
PULL #5	4.50	4.41		4.46
TOTAL	21.48	21.95		22.22
AVG.	4.296	4.39		4.444

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523536
13 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.126396
1 TO	2	.372211
1 TO	3	.520074
1 TO	4	.231458
1 TO	5	.275363

5×10^{-3} <----POA
2

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1088
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0932
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .143261
THE AMR FOR THIS RIFLE IS: .9976

13 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523536

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 3

2in = 5

3in = 9

HS = 1.930

VS = 2.935

GS = 3.167

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.040	.941	.967
MINIMUM X	:	-.890	-.682	-.656
MAXIMUM Y	:	1.374	1.200	1.143
MINIMUM Y	:	-1.561	-1.296	-1.146
CENTROID X	:	.010	.109	.083
CENTROID Y	:	-.126	.048	-.102
POA TO CENTROID in.	:	.126	.119	.132
MIN RADIUS	:	.211	.115	.205
MEAN RADIUS	:	.919	.775	.744
MAX RADIUS	:	1.797	1.464	1.320
HORIZONTAL SPREAD	:	1.930	1.623	1.623
VERTICAL SPREAD	:	2.935	2.496	2.289
EXTREME SPREAD	:	3.167	2.648	2.326
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

13 Nov 1998

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CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 2.427

VS= 1.778

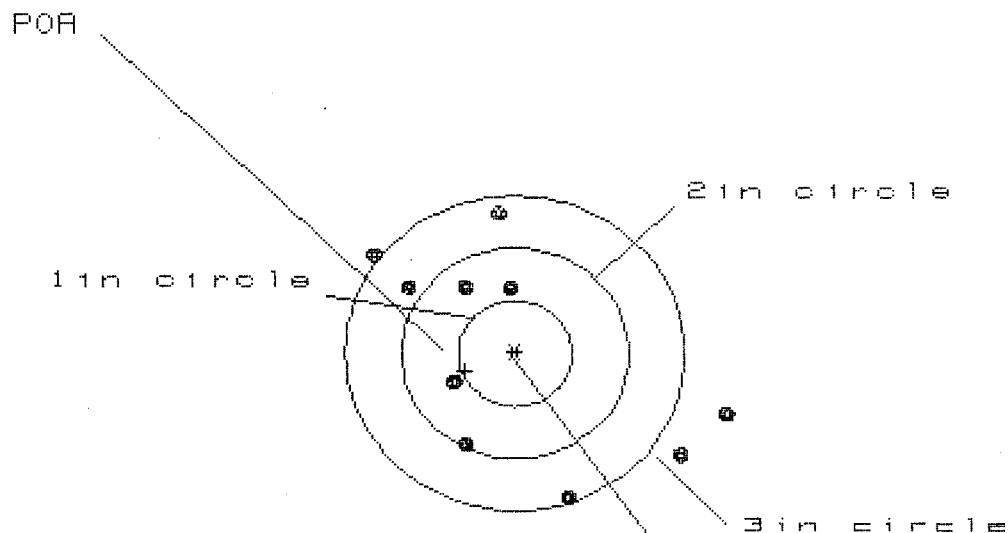
GS= 2.571

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.442	.804	.701
MINIMUM X	:	-.985	-.825	-.493
MAXIMUM Y	:	.867	.869	.976
MINIMUM Y	:	-.911	-.909	-.800
CENTROID X	:	.125	-.035	.068
CENTROID Y	:	-.480	-.482	-.591
POA TO CENTROID in.	:	.496	.483	.594
MIN RADIUS	:	.314	.417	.362
MEAN RADIUS	:	.872	.801	.738
MAX RADIUS	:	1.442	1.198	1.079
HORIZONTAL SPREAD	:	2.427	1.629	1.194
VERTICAL SPREAD	:	1.778	1.778	1.776
EXTREME SPREAD	:	2.571	1.969	1.969
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

13 May 1998

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 0

2in = 4

3in = 7

HS = 3.087

VS = 2.727

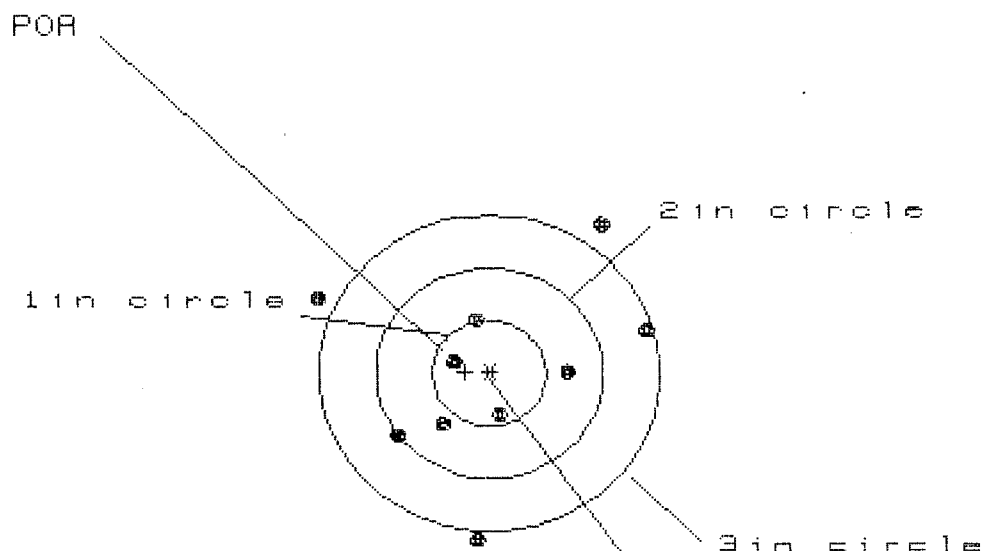
GS = 3.437

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.851	1.616	.860
MINIMUM X	:	-1.236	-1.031	-.829
MAXIMUM Y	:	1.374	1.307	1.173
MINIMUM Y	:	-1.353	-1.420	-1.554
CENTROID X	:	.439	.234	.032
CENTROID Y	:	.168	.235	.369
POA TO CENTROID in.	:	.470	.331	.371
MIN RADIUS	:	.609	.493	.385
MEAN RADIUS	:	1.205	1.071	.907
MAX RADIUS	:	1.946	1.942	1.776
HORIZONTAL SPREAD	:	3.087	2.647	1.689
VERTICAL SPREAD	:	2.727	2.727	2.727
EXTREME SPREAD	:	3.437	3.269	2.824
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

13 May 1998

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 7

HS= 2.910

VS= 2.917

GS= 3.102

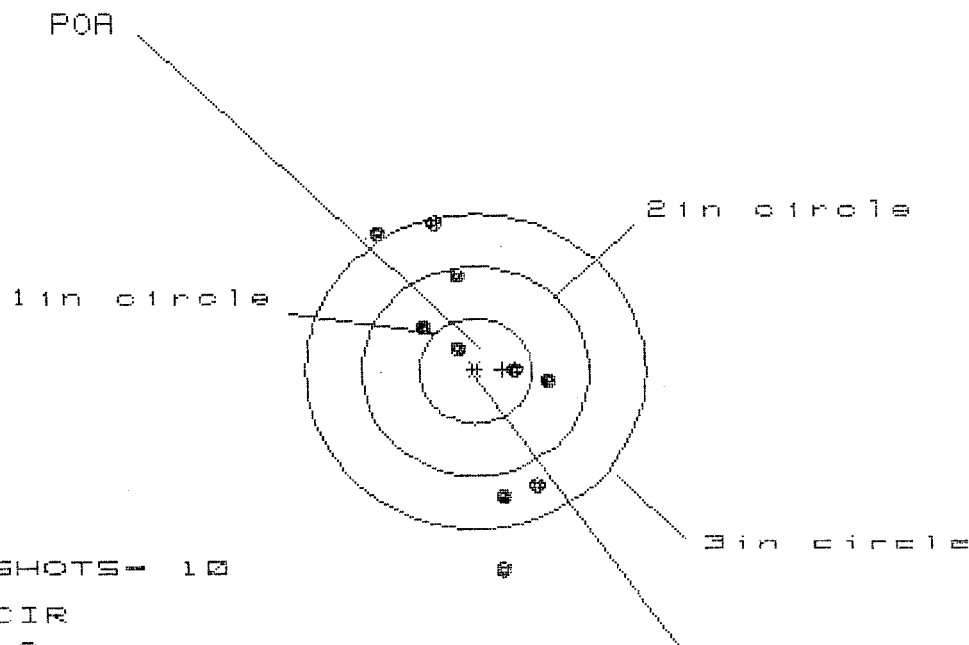
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.366	1.194	1.294
MINIMUM X	:	-1.544	-.959	-.859
MAXIMUM Y	:	1.364	1.439	.746
MINIMUM Y	:	-1.553	-1.478	-1.299
CENTROID X	:	.212	.384	.285
CENTROID Y	:	-.013	-.088	-.267
POA TO CENTROID in.	:	.213	.394	.391
MIN RADIUS	:	.297	.307	.120
MEAN RADIUS	:	.986	.909	.785
MAX RADIUS	:	1.684	1.644	1.453
HORIZONTAL SPREAD	:	2.910	2.153	2.153
VERTICAL SPREAD	:	2.917	2.917	2.045
EXTREME SPREAD	:	3.102	3.102	2.441
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 1.547

VS= 3.239

GS= 3.379

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.677	.704	.599
MINIMUM X	-.871	-.843	-.494
MAXIMUM Y	1.368	1.160	1.298
MINIMUM Y	-1.871	-1.383	-1.244
CENTROID X	-.242	-.269	-.164
CENTROID Y	-.015	.193	.055
POA TO CENTROID in.	.242	.331	.172
MIN RADIUS	.298	.159	.256
MEAN RADIUS	1.006	.874	.811
MAX RADIUS	1.888	1.403	1.370
HORIZONTAL SPREAD	1.547	1.547	1.693
VERTICAL SPREAD	3.239	2.543	2.543
EXTREME SPREAD	3.379	2.755	2.605
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	