

CB348926

MODEL 700™ M24

Model **SMS**™

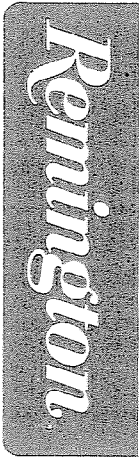
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

MODEL 700TH M24

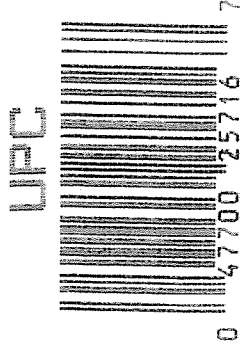
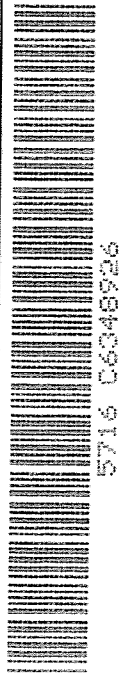
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

SERIAL NO. C6348926

ORDER NO. 5716

01

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



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348926

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 14	89	RW
600	Proof	9 14	89	RW
607	Check Headspace	9 14	89	RW
610	Dis-assemble Gun	9 14	89	RW
612	Magnaflux Barrel Action	9-14-89		KCR
	Magnaflux Bolt	9-14-89		KCR
615	Rollmark Caliber		9-15-89	GS
7	Drill and Tap Sight Holes	9 15	89	7B
618	Polish Barrel	9 15	89	BT
620	Apply Coatings (Barrel Action)		9-25-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/26/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/26/89	RW
	C) Inspect Ejector Hole for Chamfer		9/26/89	RW
	D) Oil Firing Pin Ass'y		9/26/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		28 Sept 89	GS

op. #	BARBER, M24 0041775 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			9/28/89	92
	G) Safety Off Force	3	3	3			9/28/89	92
	H) Trigger Pull Test & Retainability						28 Sept 89	92
	I) Firing Pin Indent	.0215	.0215	.0215			9/28/89	92
	J) Assemble Stock						10/16/89	RW
	K) Assemble Swivel Studs						18 Oct 89	92
	L) Attach Front and Rear Sight Assemblies						12/1/89	RW
	M) Iron Sight Alignment						12/1/89	RW
	N) Detach Front & Rear Sights & place in numbered container						12/1/89	RW
	O) Attach Scope to Rifle						14/14/89	92
	P) Detach & Attach Scope 20 Times						10/16/89	92
640	Gallery Target & Test						10-17-89	92
	A) Time						10-17-89	92
	B) Malfunctions						10-17-89	92
	C) Pierced Primers						10-17-89	92
	D) Optical Clarity of Scope						10-17-89	92
645	Inspect for Live Ammo						10-17-89	92
655	Final Inspection						18 Oct 89	92
	A) Headspace						18 Oct 89	92
	B) Trigger Pull	266	254	260	244	256	18 Oct 89	92
	C) Function						18 Oct 89	92
660	Pack						15 Dec 89	92

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6348926DATE 3-13-90TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.58	2.37	2.54	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.46	2.52	
PULL #3	2.32	2.55	2.60	
PULL #4	2.30	2.34	2.44	
PULL #5	2.30	2.51	2.54	
TOTAL	11.84	12.23	12.54	
AVG.	2.368	2.446	2.508	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.48	3.34	
PULL #2	3.40	3.36	
PULL #3	3.43	3.51	
PULL #4	3.25	3.50	
PULL #5	3.32	3.45	
TOTAL	16.88	17.16	
AVG.	3.376	3.432	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	4.50		
PULL #2	4.20	4.57		
PULL #3	4.44	4.51		
PULL #4	4.33	4.54		
PULL #5	4.35	4.50		
TOTAL	21.59	22.62		
AVG.	4.318	4.524		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348926
17 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.250352
1 TO	2	.257857
1 TO	3	.422309
1 TO	4	.927665
1 TO	5	.298804

4
3
1
2
←----POA

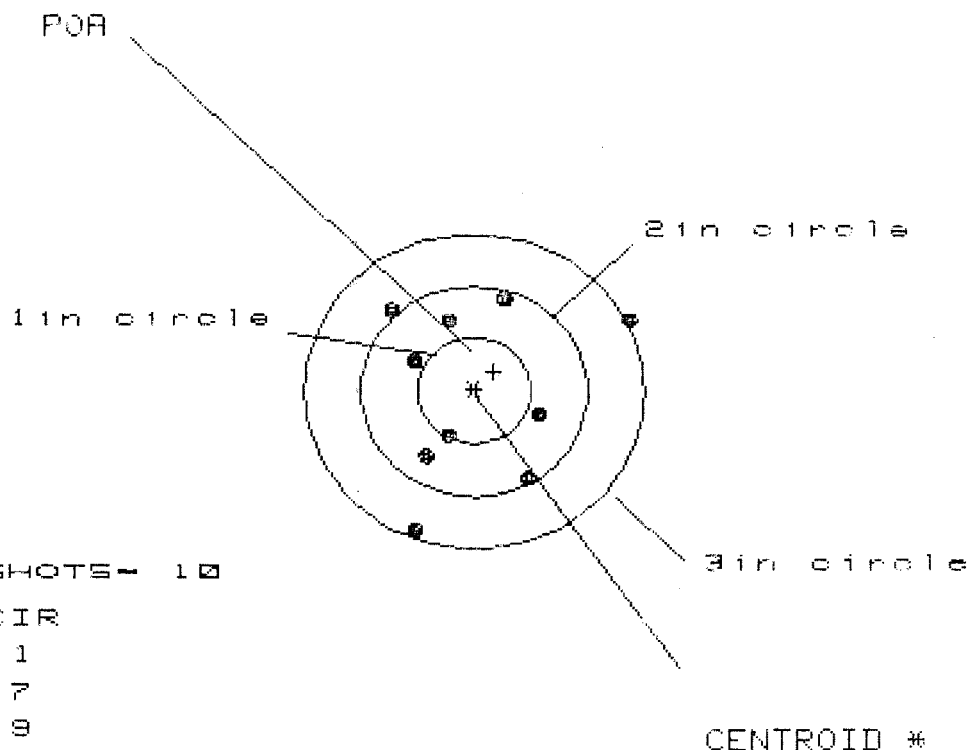
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1022
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0216
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .104458

THE AMR FOR THIS RIFLE IS: 1.015

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CENTERFIRE PATTERNS # 1



* OF SHOTS - 10

IN CIR

1in = 1

2in = 7

3in = 9

HS = 2.112

VS = 2.263

GS = 2.729

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.344	.694	.653
MINIMUM X	-.768	-.619	-.660
MAXIMUM Y	.926	1.003	.846
MINIMUM Y	-1.337	-1.260	-.881
CENTROID X	-.174	-.323	-.282
CENTROID Y	-.180	-.257	-.100
POA TO CENTROID in.	.250	.413	.299
MIN RADIUS	.418	.298	.460
MEAN RADIUS	.902	.813	.750
MAX RADIUS	1.514	1.301	1.049
HORIZONTAL SPREAD	2.112	1.313	1.313
VERTICAL SPREAD	2.263	2.263	1.727
EXTREME SPREAD	2.729	2.388	2.023
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

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CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 3.582

VS= 2.454

GS= 3.624

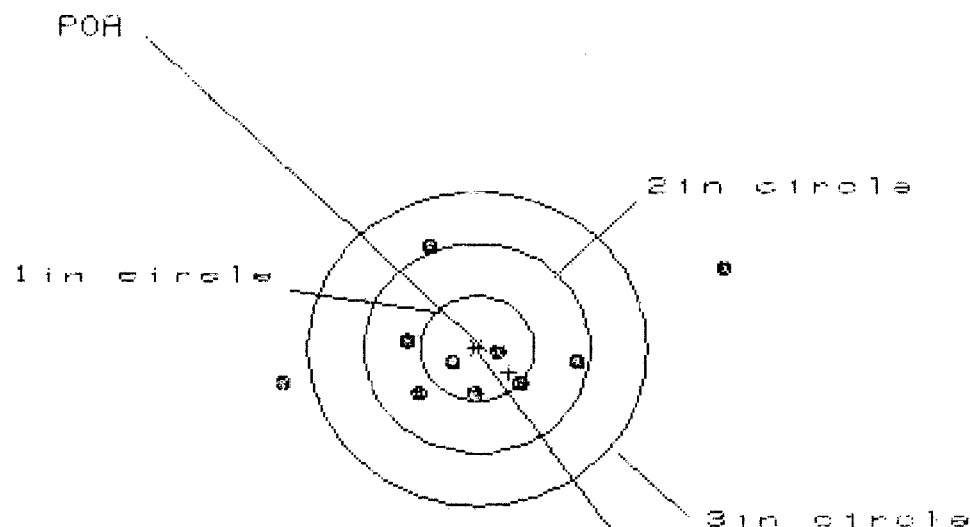
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.098	1.344	1.387
MINIMUM X	:	-1.492	-1.259	-1.216
MAXIMUM Y	:	.830	.820	.616
MINIMUM Y	:	-1.624	-1.634	-.449
CENTROID X	:	-.107	-.340	-.383
CENTROID Y	:	-.429	-.419	-.215
POA TO CENTROID in.	:	.442	.539	.439
MIN RADIUS	:	.243	.015	.196
MEAN RADIUS	:	1.098	.933	.838
MAX RADIUS	:	2.092	1.671	1.389
HORIZONTAL SPREAD	:	3.582	2.603	2.603
VERTICAL SPREAD	:	2.454	2.454	1.065
EXTREME SPREAD	:	3.624	2.632	2.622
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS = 3.845

VS = 1.489

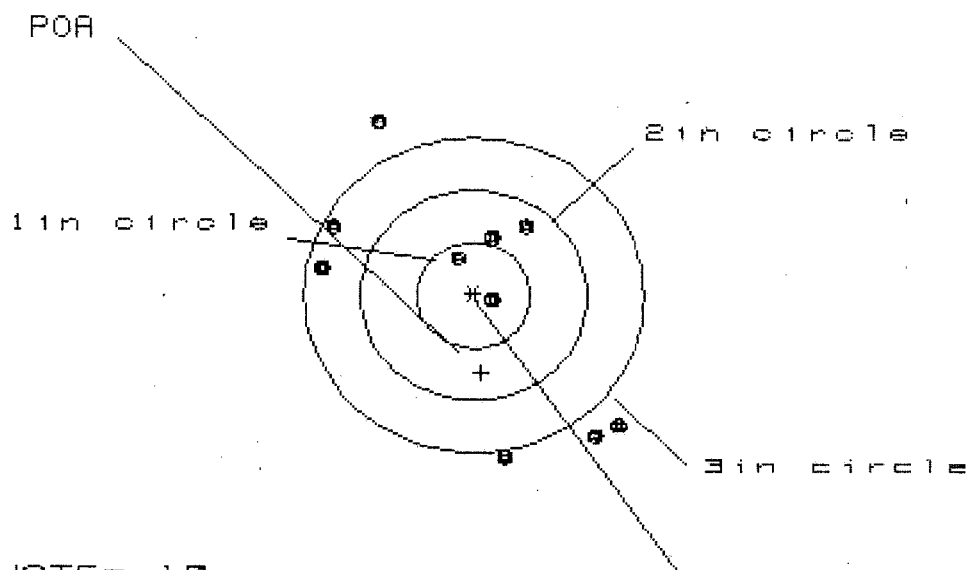
GS = 4.000

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.157	1.114	.933
MINIMUM X	:	-1.689	-1.449	-.594
MAXIMUM Y	:	1.016	1.105	1.075
MINIMUM Y	:	-.473	-.384	-.414
CENTROID X	:	-.283	-.522	-.341
CENTROID Y	:	.228	.139	.169
POA TO CENTROID in.	:	.363	.540	.381
MIN RADIUS	:	.152	.029	.203
MEAN RADIUS	:	.875	.678	.575
MAX RADIUS	:	2.301	1.469	1.139
HORIZONTAL SPREAD	:	3.845	2.563	1.527
VERTICAL SPREAD	:	1.489	1.489	1.489
EXTREME SPREAD	:	4.009	2.572	1.720
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 2

2in = 4

3in = 6

HS = 2.617

VS = 3.138

GS = 3.582

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.311	1.191	1.110
MINIMUM X	:	-1.306	-1.160	-1.241
MAXIMUM Y	:	1.623	1.481	.725
MINIMUM Y	:	-1.515	-1.657	-1.472
CENTROID X	:	-.063	-.209	-.128
CENTROID Y	:	.741	.883	.698
POA TO CENTROID in.	:	.743	.907	.709
MIN RADIUS	:	.224	.258	.276
MEAN RADIUS	:	1.169	1.071	1.020
MAX RADIUS	:	1.832	1.891	1.697
HORIZONTAL SPREAD	:	2.617	2.351	2.351
VERTICAL SPREAD	:	3.138	3.138	2.197
EXTREME SPREAD	:	3.582	3.473	3.049
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

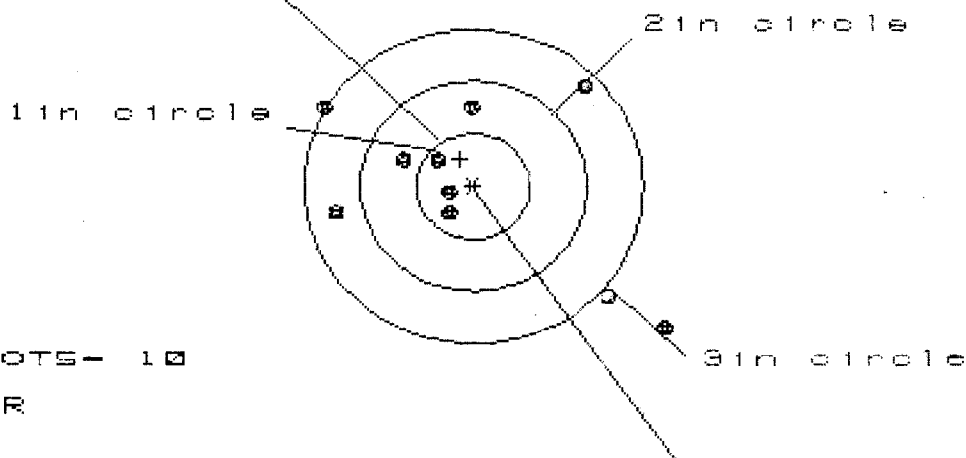
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CENTERFIRE PATTERNS

5

POA



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 7

HS= 3.065

VS= 2.249

GS= 3.681

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.726	1.376	1.389
MINIMUM X	:	-1.339	-1.147	-.975
MAXIMUM Y	:	.930	.783	.630
MINIMUM Y	:	-1.319	-1.228	-.584
CENTROID X	:	.116	-.076	-.248
CENTROID Y	:	-.252	-.105	.048
POA TO CENTROID in.	:	.277	.130	.253
MIN RADIUS	:	.239	.159	.073
MEAN RADIUS	:	1.031	.832	.679
MAX RADIUS	:	2.173	1.844	1.525
HORIZONTAL SPREAD	:	3.065	2.523	2.364
VERTICAL SPREAD	:	2.249	2.011	1.214
EXTREME SPREAD	:	3.681	3.100	2.565
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	