

06587513

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington
REG. U.S. PAT. & TM. OFF.

DUPONT
REG. U.S. PAT. & TM. OFF.

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

MODEL 700™ M24

SERIAL NO.
 C6587513

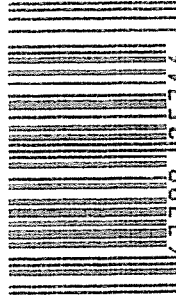
ORDER NO.
 5716

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



5716 C6587513

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6587513

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/22/90	Kel
600	Proof		10/22/90	Kel
607	Check Headspace		10/22/90	Kel
610	Dis-assemble Gun		10/22/90	Kel
612	Magnaflux Barrel Action		10/24/90	KR
	Magnaflux Bolt		10/24/90	KR
615	Rollmark Caliber		10/24/90	GS
617	Drill and Tap Sight Holes		10/25/90	F-13
618	Polish Barrel <i>Rob</i>		10/26/90	W.B
620	Apply Coatings (Barrel Action)		11-7-90	TA
	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		11/21/91 11-21-91	KS

op. #	NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	5 1/4	5 1/4	5 1/4	11/28/90	WB		
	G) Safety Off Force	2 1/4	2 1/4	2 1/4	11/28/90	WB		
	H) Trigger Pull Test & Retainability				1-21-91 11-28-90	gk		
	I) Firing Pin Indent	.021	.021	.021	11/28/90	WB		
	J) Assemble Stock				12/1/90	KS		
	K) Assemble Swivel Studs				12-4-90	gk		
	L) Attach Front and Rear Sight Assemblies				12/1/90	KS		
	M) Iron Sight Alignment				12/1/90	KS		
	N) Detach Front & Rear Sights & place in numbered container				12/1/90	KS		
	O) Attach Scope to Rifle				12/1/90	KS		
	P) Detach & Attach Scope 20 Times				12/1/90	KS		
640	Gallery Target & Test				12/1/90	LF		
	A) Time				11/1/90	LF		
	B) Malfunctions				"	LF		
	C) Pierced Primers				"	LF		
	D) Optical Clarity of Scope				"	LF		
645	Inspect for Live Ammo				12/1/90	LF		
655	Final Inspection				12-4-90	gk		
	A) Headspace							
	B) Trigger Pull	2.44	2.41	2.36	2.41	2.34	12-4-90	gk
	C) Function	2.42	2.41	2.22	2.32	2.27	12-4-90	gk
660	Pack				3/19/90	LF		

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587513

DATE 1-21-91

TESTER JZP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.40	2.47	2.42	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.31	2.45	2.41	
PULL #3	2.38	2.44	2.44	2.32	
PULL #4	2.38	2.46	2.46	2.32	
PULL #5	2.47	2.41	2.50	2.27	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.37		
PULL #2	3.39	3.37		
PULL #3	3.43	3.36		
PULL #4	3.29	3.43		
PULL #5	3.38	3.38		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.21		4.16
PULL #2	4.22	4.21		4.18
PULL #3	4.21	4.19		4.18
PULL #4	4.23	4.19		4.20
PULL #5	4.21	4.20		4.19
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587513
23 Jan 1991

CENTROIDAL DISTANCES

0 TO 1	.0372156
1 TO 2	.360501
1 TO 3	.276384
1 TO 4	.234132
1 TO 5	.181593

1 1/2 ←----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0072
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0672
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0675846

THE AMR FOR THIS RIFLE IS: 1.205

23 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06587513

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 0

2in = 2

3in = 8

HS= 2.376

VS= 3.227

GS= 3.229

CENTROID #

PATTERN #

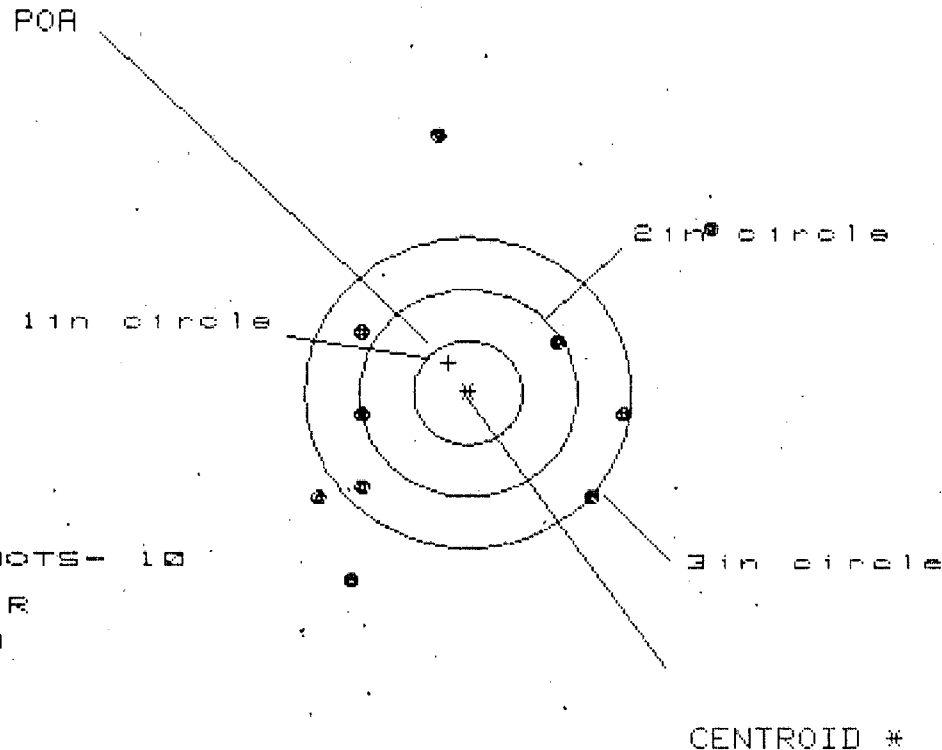
1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.247	1.271	1.145
MINIMUM X	-1.129	-1.105	-1.231
MAXIMUM Y	1.451	1.254	1.374
MINIMUM Y	-1.776	-1.461	-1.341
CENTROID X	.019	-.005	.121
CENTROID Y	.032	.229	.109
POA TO CENTROID in.	.037	.229	.163
MIN RADIUS	.752	.633	.708
MEAN RADIUS	1.259	1.186	1.150
MAX RADIUS	1.788	1.582	1.425
HORIZONTAL SPREAD	2.376	2.376	2.376
VERTICAL SPREAD	3.227	2.715	2.715
EXTREME SPREAD	3.229	2.912	2.758
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		2	
NUMBER IN THREE INCH CIRCLE =		8	

23 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587513

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 0

2in = 1

3in = 6

HS= 3.567

VS= 4.321

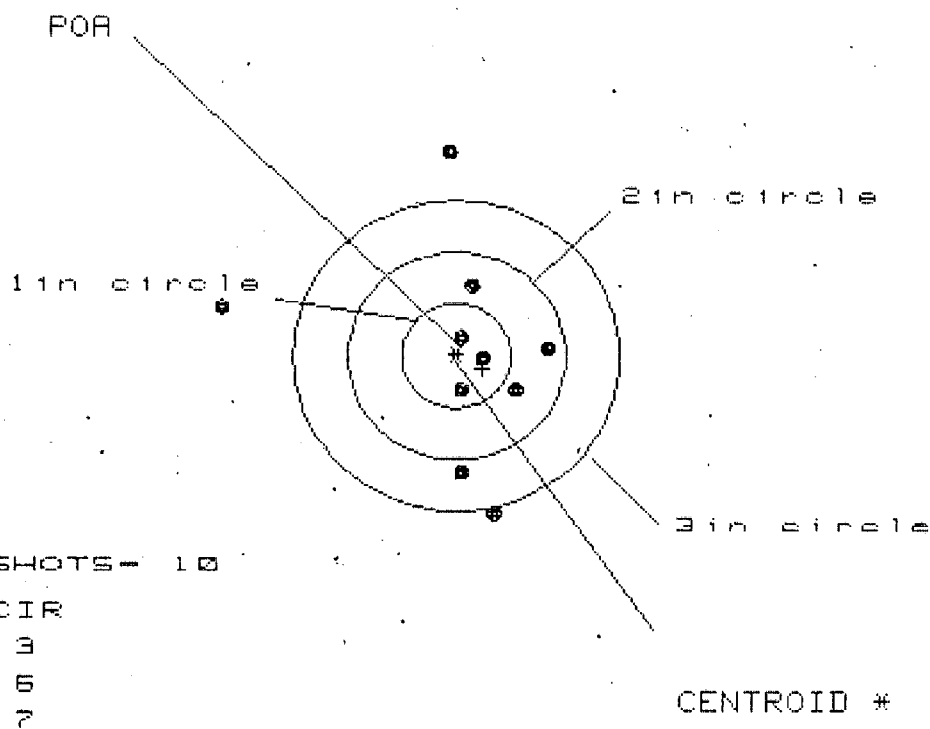
GS= 4.794

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.240	1.670	1.670
MINIMUM X	-1.327	-1.078	-1.078
MAXIMUM Y	2.486	2.668	1.123
MINIMUM Y	-1.835	-1.653	-1.320
CENTROID X	.175	-.073	-.073
CENTROID Y	-.293	-.475	-.808
POA TO CENTROID in.	.342	.481	.812
MIN RADIUS	.971	.772	.821
MEAN RADIUS	1.647	1.472	1.289
MAX RADIUS	2.775	2.668	1.691
HORIZONTAL SPREAD	3.567	2.748	2.748
VERTICAL SPREAD	4.321	4.321	2.443
EXTREME SPREAD	4.794	4.397	3.003
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		1	
NUMBER IN THREE INCH CIRCLE =		6	

23 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587513

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 7

HS= 3.008

VS= 3.482

GS= 3.507

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.869	.631	.593
MINIMUM X	-2.139	-.309	-.276
MAXIMUM Y	1.938	1.993	.969
MINIMUM Y	-1.544	-1.489	-1.240
CENTROID X	-.243	-.005	.033
CENTROID Y	.120	.065	-.184
POA TO CENTROID in.	.271	.066	.187
MIN RADIUS	.159	.006	.235
MEAN RADIUS	.971	.777	.637
MAX RADIUS	2.194	2.016	1.242
HORIZONTAL SPREAD	3.008	.940	.869
VERTICAL SPREAD	3.482	3.482	2.209
EXTREME SPREAD	3.507	3.507	2.215
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		

BARBER - M24 0021802

NUMBER IN THREE INCH CIRCLE =

7

**CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON**

BARBER - M24 0021802 **M2400021841**

23 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587513

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in - 0

2in - 3

3in - 8

HS- 3.763

VS- 1.996

GS- 3.806

CENTROID #

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	2.092
MINIMUM X	-1.671
MAXIMUM Y	.883
MINIMUM Y	-1.113
CENTROID X	.042
CENTROID Y	.265
POA TO CENTROID in.	.269
MIN RADIUS	.633
MEAN RADIUS	1.179
MAX RADIUS	2.093
HORIZONTAL SPREAD	3.763
VERTICAL SPREAD	1.996
EXTREME SPREAD	3.806
NUMBER IN ONE INCH CIRCLE	0
NUMBER IN TWO INCH CIRCLE	3
NUMBER IN THREE INCH CIRCLE	8

23 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587513

CENTERFIRE PATTERNS # 5

POR

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 3

2in = 5

3in = 8

HS = 3.077

VS = 2.808

GS = 3.352

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.681	.507	.518
MINIMUM X	-1.396	-1.209	-1.198
MAXIMUM Y	1.373	.846	.686
MINIMUM Y	-1.435	-1.283	-1.220
CENTROID X	.043	-.144	-.155
CENTROID Y	.212	.060	.220
POR TO CENTROID in.	.217	.156	.269
MIN RADIUS	.192	.368	.209
MEAN RADIUS	.969	.858	.774
MAX RADIUS	2.170	1.286	1.307
HORIZONTAL SPREAD	3.077	1.716	1.716
VERTICAL SPREAD	2.808	2.129	1.906
EXTREME SPREAD	3.352	2.342	2.334
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		