

06587741

MODEL 700TM M24

Model SMS

TM

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

Remington
MODEL 700TM M24

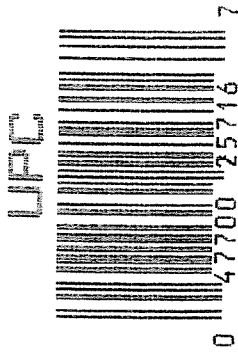
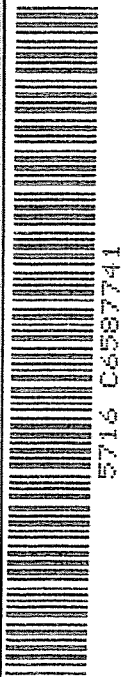
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

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

SERIAL NO.
C6587741

ORDER NO.
5716

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



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587741

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1019	90	RW
600	Proof	1019	90	RW
607	Check Headspace	1019	90	RW
610	Dis-assemble Gun	1019	90	RW
612	Magnaflux Barrel Action		10/23/90	KR
	Magnaflux Bolt		10/23/90	KR
615	Rollmark Caliber		10/23/90	JS
617	Drill and Tap Sight Holes		10/26/90	LB
618	Polish Barrel <i>RB</i>		10/29/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/12/90	RW
	C) Inspect Ejector Hole for Chamfer		11/12/90	RW
	D) Oil Firing Pin Ass'y		11/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/17/90	WB

op. #	OF. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11/16/90	WB
	G) Safety Off Force	2	2	2			11/16/90	WB
	H) Trigger Pull Test & Retainability						11/17/90	WB
	I) Firing Pin Indent	0235	0235	024			11/16/90	WB
	J) Assemble Stock						12/4/90	RW
	K) Assemble Swivel Studs						12-5-90	928
	L) Attach Front and Rear Sight Assemblies						12/4/90	RW
	M) Iron Sight Alignment						12/4/90	RW
	N) Detach Front & Rear Sights & place in numbered container						12/4/90	RW
	O) Attach Scope to Rifle						12/4/90	RW
	P) Detach & Attach Scope 20 Times						12/4/90	RW
640	Gallery Target & Test						12/4/90	KJ
	A) Time						"	KJ
	B) Malfunctions						"	KJ
	C) Pierced Primers						"	KJ
	D) Optical Clarity of Scope						"	KJ
645	Inspect for Live Ammo						12/4/90	KJ
655	Final Inspection							
	A) Headspace						12-5-90	928
	B) Trigger Pull	289	294	287	284	277	12-5-90	928
	C) Function						12-5-90	928
660	Pack						12/18/90	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6587741
DATE 11/17/90
TESTER WLB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.65	2.54	2.89	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.63	2.53	2.94	
PULL #3	2.48	2.60	2.59	2.87	
PULL #4	2.47	2.59	2.45	2.84	
PULL #5	2.48	2.56	2.52	2.77	
TOTAL	12.35	13.03	12.63		
AVG.	2.47	2.60	2.52		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.12		
PULL #2	3.21	3.09		
PULL #3	3.21	3.00		
PULL #4	3.15	3.11		
PULL #5	3.22	3.09		
TOTAL	16.02	15.41		
AVG.	3.20	3.08		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.10		4.19
PULL #2	4.18	4.07		4.13
PULL #3	4.15	4.09		4.19
PULL #4	4.18	4.00		4.15
PULL #5	4.12	4.10		4.14
TOTAL	20.75	20.33		20.80
AVG.	4.15	4.06		4.16

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06587741
5 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.0905207
1 TO	2	.265047
1 TO	3	.32179
1 TO	4	.38758
1 TO	5	.0968297

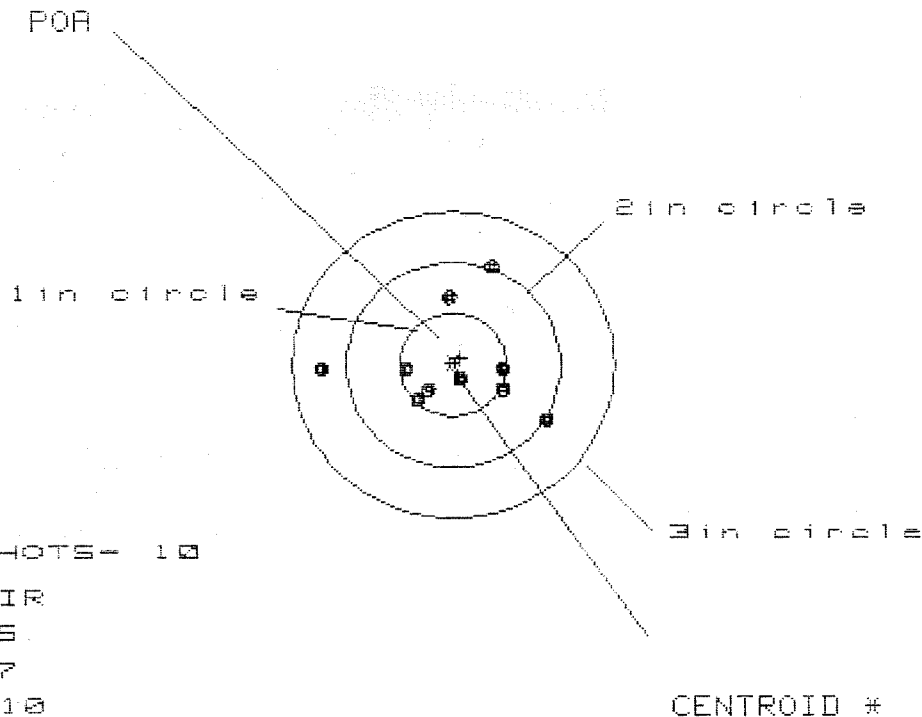
4
52 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0122
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0476
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0491386
THE AMR FOR THIS RIFLE IS: .8652

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587741

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 5

2 in = 7

3 in = 10

HS= 2.160

VS= 1.566

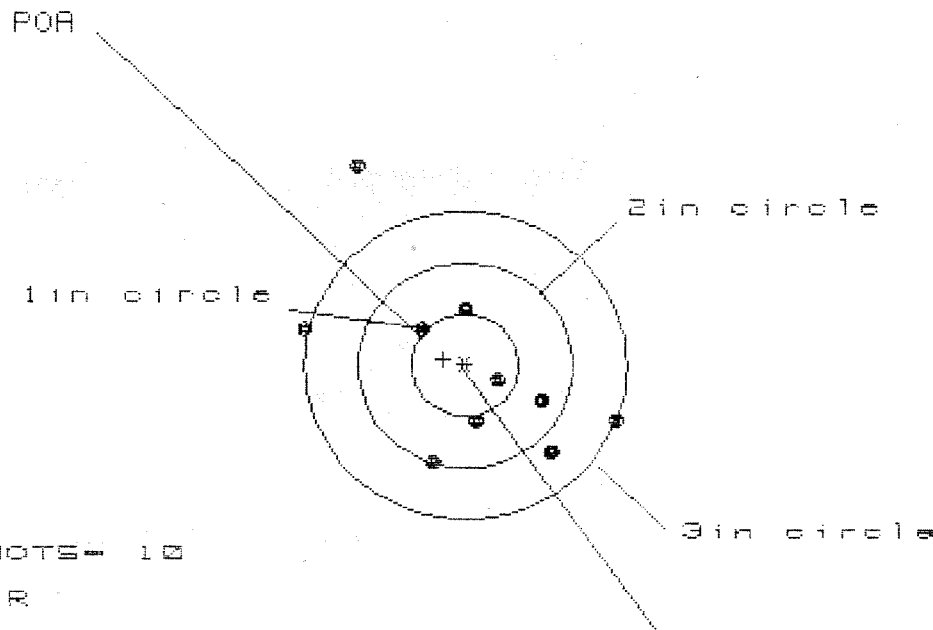
GS= 2.217

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.894	.754	.784
MINIMUM X	-1.266	-.553	-.523
MAXIMUM Y	1.004	.997	.823
MINIMUM Y	-.562	-.569	-.444
CENTROID X	-.065	.075	.045
CENTROID Y	-.063	-.056	-.181
POA TO CENTROID in.	.091	.094	.186
MIN RADIUS	.210	.196	.068
MEAN RADIUS	.654	.581	.493
MAX RADIUS	1.267	1.027	.901
HORIZONTAL SPREAD	2.160	1.307	1.307
VERTICAL SPREAD	1.566	1.566	1.267
EXTREME SPREAD	2.217	1.646	1.584
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/GS587741

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 2.892

VS= 2.836

GS= 3.362

CENTROID *

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	-1.360	1.253	1.048
MINIMUM X	:	-1.532	-1.639	-.696
MAXIMUM Y	:	1.924	.817	.887
MINIMUM Y	:	-.912	-.699	-.629
CENTROID X	:	.200	.307	.512
CENTROID Y	:	-.058	-.271	-.341
POA TO CENTROID in.	:	.208	.410	.615
MIN RADIUS	:	.289	.190	.179
MEAN RADIUS	:	1.013	.842	.704
MAX RADIUS	:	2.152	1.731	1.071
HORIZONTAL SPREAD	:	2.892	2.892	1.744
VERTICAL SPREAD	:	2.836	1.516	1.516
EXTREME SPREAD	:	3.362	3.014	1.965
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	8		

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587741

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 2.573

VS= 1.998

GS= 2.638

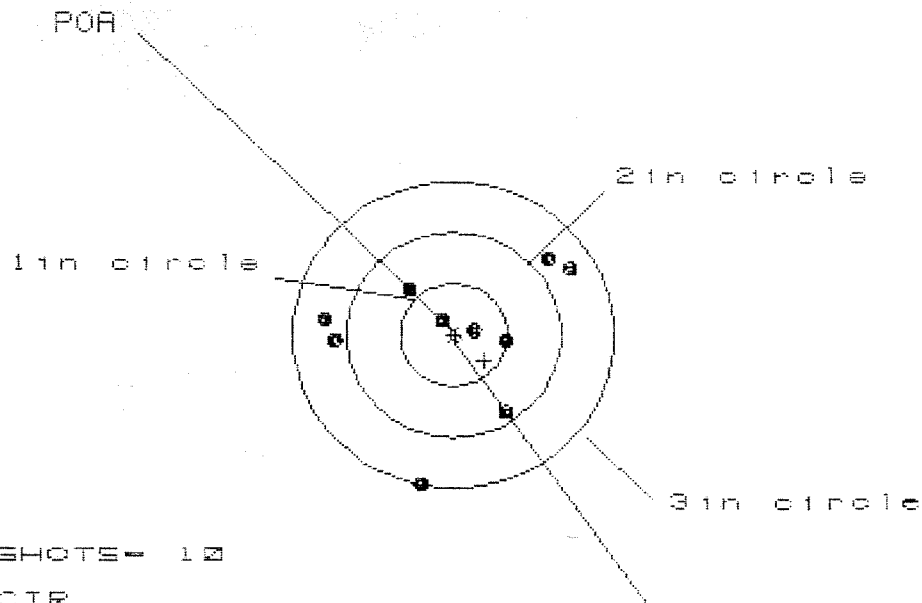
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.168	1.012	1.058
MINIMUM X	:	-1.405	-1.231	-1.185
MAXIMUM Y	:	.809	.783	.632
MINIMUM Y	:	-1.189	-1.215	-1.031
CENTROID X	:	.217	.373	.327
CENTROID Y	:	.092	.118	.269
POA TO CENTROID in.	:	.236	.392	.424
MIN RADIUS	:	.157	.130	.052
MEAN RADIUS	:	.923	.842	.773
MAX RADIUS	:	1.425	1.269	1.190
HORIZONTAL SPREAD	:	2.573	2.243	2.243
VERTICAL SPREAD	:	1.998	1.998	1.663
EXTREME SPREAD	:	2.638	2.244	2.244
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08587741

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 3

2in = 5

3in = 10

HS = 2.309

VS = 2.203

GS = 2.545

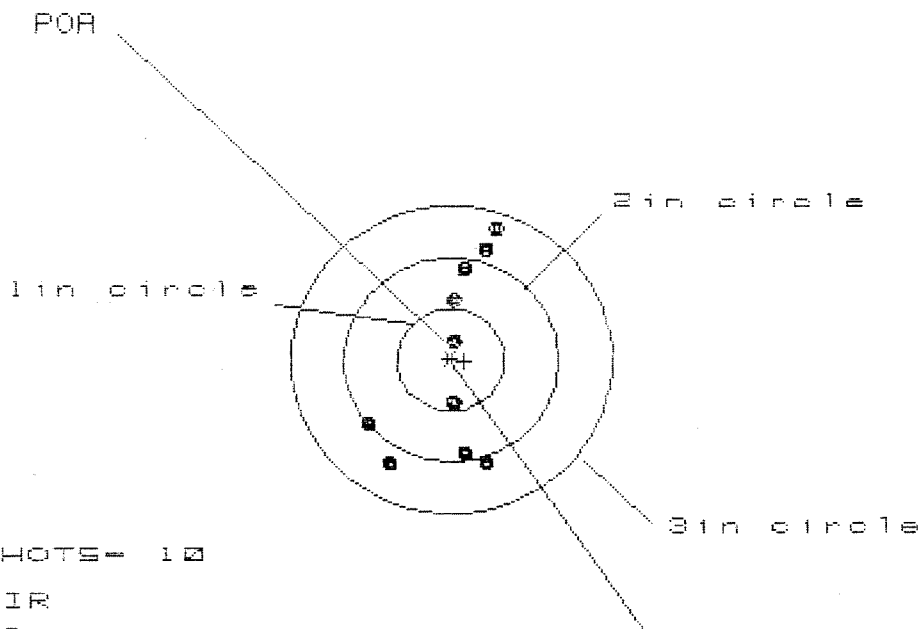
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.098	1.065	1.026
MINIMUM X	:	-1.211	-1.244	-1.110
MAXIMUM Y	:	.769	.610	.677
MINIMUM Y	:	-1.434	-.916	-.849
CENTROID X	:	-.288	-.255	-.389
CENTROID Y	:	.254	.413	.346
POA TO CENTROID in.	:	.384	.486	.520
MIN RADIUS	:	.183	.123	.097
MEAN RADIUS	:	.875	.788	.739
MAX RADIUS	:	1.464	1.245	1.229
HORIZONTAL SPREAD	:	2.309	2.309	2.136
VERTICAL SPREAD	:	2.203	1.526	1.526
EXTREME SPREAD	:	2.545	2.383	2.241
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587741

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 1.149

VS= 2.354

GS= 2.523

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.380	.394	.333
MINIMUM X	-.769	-.726	-.787
MAXIMUM Y	1.311	1.214	1.101
MINIMUM Y	-1.043	-.897	-.971
CENTROID X	-.125	-.168	-.107
CENTROID Y	.013	-.133	-.020
POA TO CENTROID in.	.126	.214	.109
MIN RADIUS	.183	.296	.219
MEAN RADIUS	.861	.797	.762
MAX RADIUS	1.365	1.276	1.151
HORIZONTAL SPREAD	1.149	1.120	1.120
VERTICAL SPREAD	2.354	2.111	2.072

EXTREME	SPREAD :	2.523	2.287	2.073
NUMBER IN ONE	INCH CIRCLE	=	2	
NUMBER IN TWO	INCH CIRCLE	=	6	
NUMBER IN THREE	INCH CIRCLE	=	10	