

C6522133

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.



Remington®

MODEL 700™ M24

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

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

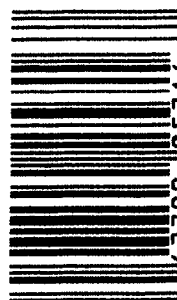
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.	SERIAL NO. C6522133
	ORDER NO. 5716

Ø1



5716 C6522133

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522133

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/4/90	KJ
600	Proof		10/4/90	KJ
607	Check Headspace		10/4/90	KJ
610	Dis-assemble Gun		10/4/90	KJ
612	Magnaflux Barrel Action		10/9/90	KR
	Magnaflux Bolt		10/9/90	KR
615	Rollmark Caliber		10/9/90	EL
617	Drill and Tap Sight Holes		10/11/90	KB
618	Polish Barrel RB		10/12/90	WB
620	Apply Coatings (Barrel Action)		10-12-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/19/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/19/90	WB
	C) Inspect Ejector Hole for Chamfer		10/19/90	WB
	D) Oil Firing Pin Ass'y		10/19/90	WB
	E) Adjust Trigger Pull to Min Setting and Stake		11/1/90	WB

op. #	OP NAME	READINGS					DATE	INIT
	BARBER M24 0004253							
625 cont.	F) Safety On Force	4.0	4.25	4.5		11-2-90	KT	
	G) Safety Off Force	2.5	2.75	2.5		11-2-90	KT	
	H) Trigger Pull Test & Retainability					11/5/90	W.B.	
	I) Firing Pin Indent	.025	.026	.028		11-2-90	KT	
	J) Assemble Stock					11-5-90	KT	
	K) Assemble Swivel Studs					11-20-90	DH	
	L) Attach Front and Rear Sight Assemblies					11-5-90	KT	
	M) Iron Sight Alignment					11-5-90	KT	
	N) Detach Front & Rear Sights & place in numbered container					11-5/90	KT	
	O) Attach Scope to Rifle					11-5/90	KT	
	P) Detach & Attach Scope 20 Times					11/5/90	KT	
640	Gallery Target & Test					11-6-90	KT	
	A) Time					11-6-90	KT	
	B) Malfunctions					11-6-90	KT	
	C) Pierced Primers					11-6-90	KT	
	D) Optical Clarity of Scope					11-6-90	KT	
645	Inspect for Live Ammo					11-6-90	KT	
655	Final Inspection							
	A) Headspace					11-20-90	DH	
	B) Trigger Pull	237	240	237	238	239	11-20-90	DH
	C) Function					11-20-90	DH	
660	Pack					12/14/90	AF	

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

SERIAL NO. C6522133DATE 11/5/80TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.48	2.30	2.37	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.36	2.34	2.36	2.40	
PULL #3	2.44	2.32	2.32	2.37	
PULL #4	2.33	2.29	2.31	2.38	
PULL #5	2.45	2.32	2.31	2.39	
TOTAL	12.04	11.73	11.60		
AVG.	2.41	2.34	2.32		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.42		
PULL #2	3.17	3.20		
PULL #3	3.13	3.12		
PULL #4	3.11	3.13		
PULL #5	3.10	3.08		
TOTAL	15.70	15.65		
AVG.	3.14	3.13		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.06	4.02		4.12
PULL #2	4.04	3.90		4.18
PULL #3	3.98	4.00		4.09
PULL #4	4.02	3.98		4.14
PULL #5	4.03	4.08		4.01
TOTAL	20.13	19.98		20.54
AVG.	4.03	4.00		4.11

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522133
7 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.320383
1 TO	2	.359956
1 TO	3	.418269
1 TO	4	.494381
1 TO	5	.376258

31 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.03
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0726
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0785542
THE AMR FOR THIS RIFLE IS: .92

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522133

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 5

2in = 5

3in = 9

HS= 2.422

VS= 2.693

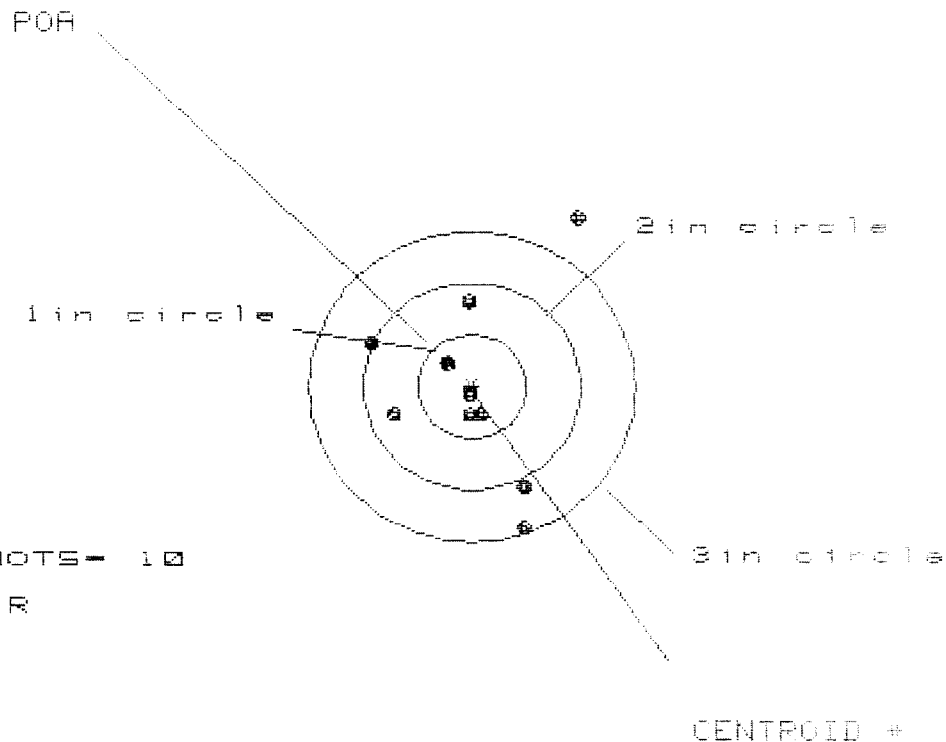
GS= 2.711

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.669	.475	.469
MINIMUM X	:	-1.753	-.448	-.454
MAXIMUM Y	:	1.204	1.198	1.012
MINIMUM Y	:	-1.489	-1.495	-1.158
CENTROID X	:	.130	.324	.330
CENTROID Y	:	.117	.123	.309
POA TO CENTROID in.	:	.175	.347	.452
MIN RADIUS	:	.052	.156	.122
MEAN RADIUS	:	.807	.719	.596
MAX RADIUS	:	1.753	1.495	1.217
HORIZONTAL SPREAD	:	2.422	.923	.923
VERTICAL SPREAD	:	2.693	2.693	2.170
EXTREME SPREAD	:	2.711	2.711	2.173
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522133

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 4

2 in = 7

3 in = 9

HS = 1.0560

VS = 3.0229

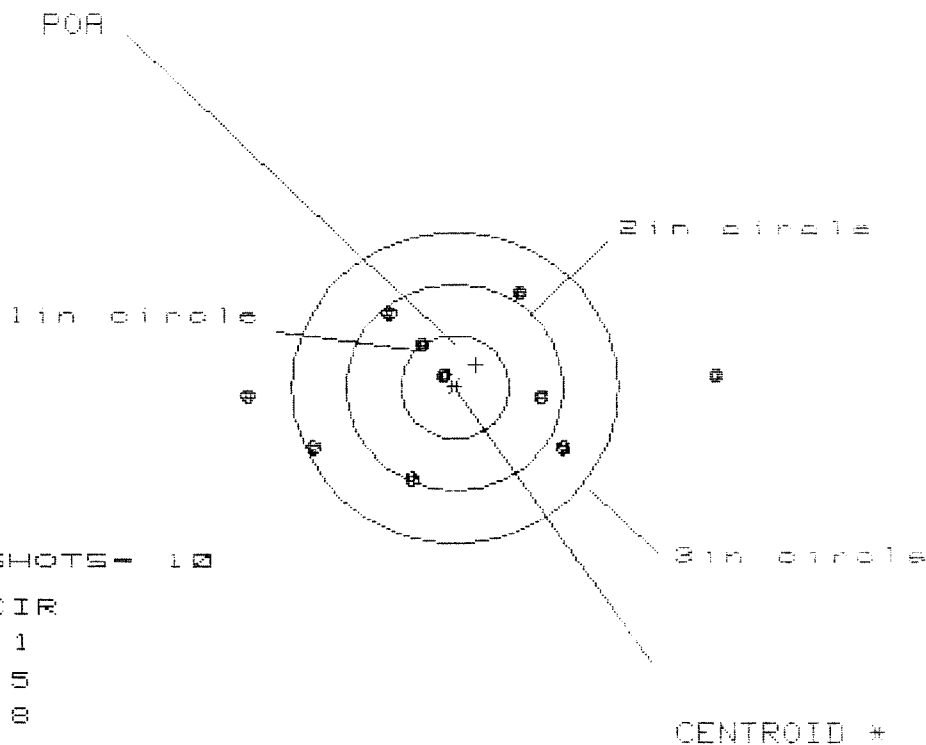
GS = 3.072

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	.946
MINIMUM X	:	-.914
MAXIMUM Y	:	1.621
MINIMUM Y	:	-1.408
CENTROID X	:	.222
CENTROID Y	:	-.231
POA TO CENTROID in.	:	.321
MIN RADIUS	:	.049
MEAN RADIUS	:	.794
MAX RADIUS	:	1.877
HORIZONTAL SPREAD	:	1.860
VERTICAL SPREAD	:	3.029
EXTREME SPREAD	:	3.072
NUMBER IN ONE INCH CIRCLE	=	4
NUMBER IN TWO INCH CIRCLE	=	7
NUMBER IN THREE INCH CIRCLE	=	9

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522133

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 4.278

VS= 1.835

GS= 4.283

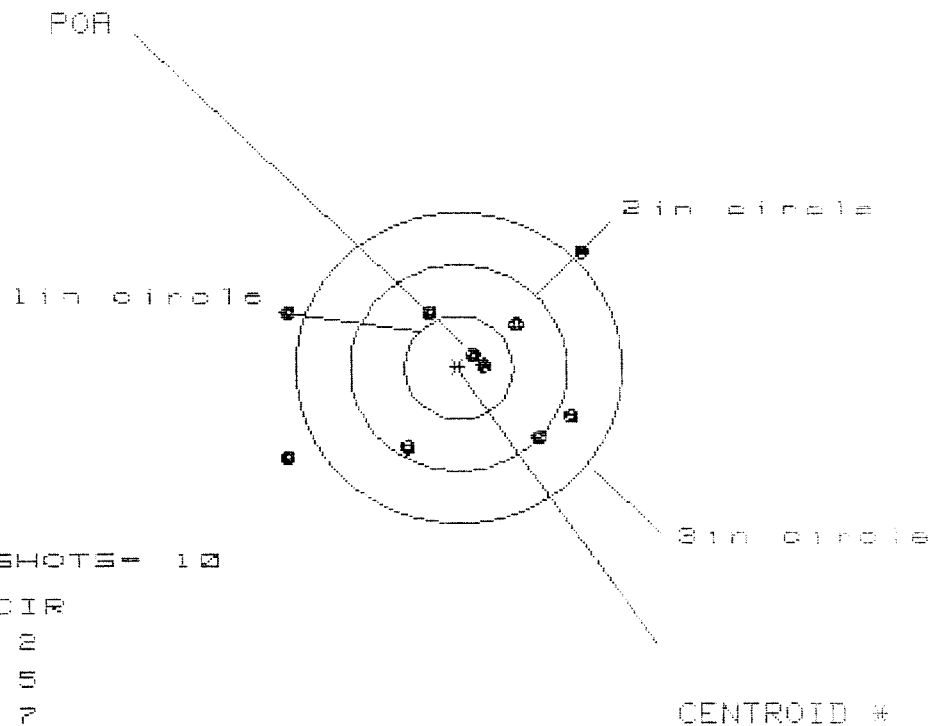
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.355	1.229	1.022
MINIMUM X	:	-1.923	-1.662	-1.228
MAXIMUM Y	:	.952	.961	.948
MINIMUM Y	:	-.883	-.874	-.887
CENTROID X	:	-.196	-.457	-.249
CENTROID Y	:	-.216	-.225	-.212
POA TO CENTROID in.	:	.291	.510	.327
MIN RADIUS	:	.151	.178	.111
MEAN RADIUS	:	1.138	.987	.881
MAX RADIUS	:	2.356	1.665	1.377
HORIZONTAL SPREAD	:	4.278	2.891	2.250
VERTICAL SPREAD	:	1.835	1.835	1.835
EXTREME SPREAD	:	4.283	2.923	2.429
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	8		

7 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8522133

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS = 2.756

VS = 2.058

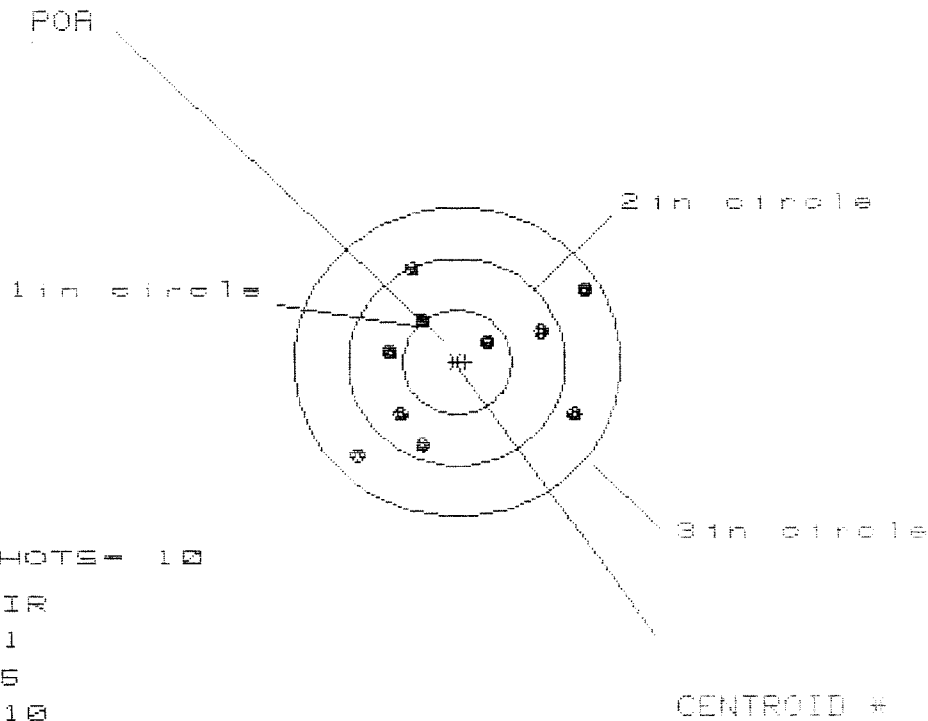
GS = 3.440

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.141	.961	1.019
MINIMUM X	:	-1.615	-1.699	-1.579
MAXIMUM Y	:	1.158	1.058	.580
MINIMUM Y	:	-.900	-.867	-.735
CENTROID X	:	-.231	-.051	-.171
CENTROID Y	:	-.033	.067	-.065
POA TO CENTROID in.	:	.233	.085	.183
MIN RADIUS	:	.185	.117	.199
MEAN RADIUS	:	.989	.848	.793
MAX RADIUS	:	1.849	1.757	1.682
HORIZONTAL SPREAD	:	2.756	2.660	2.598
VERTICAL SPREAD	:	2.058	1.925	1.315
EXTREME SPREAD	:	3.440	2.782	2.782
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522133

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.059

VS= 1.784

GS= 2.566

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.136	1.152	1.053
MINIMUM X	:	-.923	-.797	-.645
MAXIMUM Y	:	.903	.976	.875
MINIMUM Y	:	-.881	-.808	-.846
CENTROID X	:	-.075	-.201	-.102
CENTROID Y	:	-.000	-.073	.028
POR TO CENTROID in.	:	.075	.214	.106
MIN RADIUS	:	.364	.507	.366
MEAN RADIUS	:	.872	.814	.762
MAX RADIUS	:	1.309	1.238	1.189
HORIZONTAL SPREAD	:	2.059	1.949	1.698
VERTICAL SPREAD	:	1.784	1.784	1.721
EXTREME SPREAD	:	2.566	2.069	2.044
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	