

65523527

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Remington
MODEL 700™ - M24

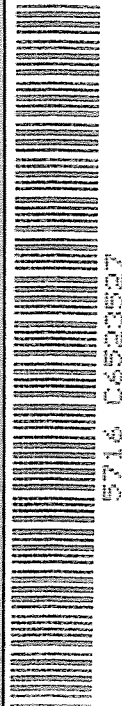
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

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

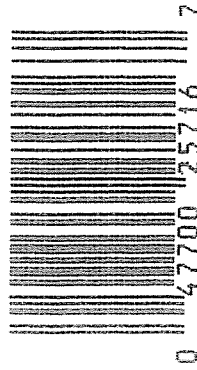
SERIAL NO.
C6523527

ORDER NO.
5716

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



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523527

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/1/90	KH
600	Proof		10/1/90	KH
607	Check Headspace		10/1/90	KH
610	Dis-assemble Gun		10/1/90	KH
612	Magnaflux Barrel Action		10/3/90	KR
	Magnaflux Bolt		10/3/90	KR
615	Rollmark Caliber		10/3/90	KH
617	Drill and Tap Sight Holes		10/4/90	FB
618	Polish Barrel <i>WB</i>		10/5/90	WB
620	Apply Coatings (Barrel Action)		10-20-90	DH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/21/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/21/90	WB
	C) Inspect Ejector Hole for Chamfer		10/21/90	WB
	D) Oil Firing Pin Ass'y		10/21/90	WB
	E) Adjust Trigger Pull to Min Setting and Stake		10-27-90	DH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/2	5 1/2	5 1/2			10/27/90	WL
	G) Safety Off Force	8 1/2	8 1/2	8 1/2			10/27/90	WL
	H) Trigger Pull Test & Retainability						10-27-90	DH
	I) Firing Pin Indent	0215	0215	0215			10/27/90	WL
	J) Assemble Stock						10/27/90	Kel
	K) Assemble Swivel Studs						3/10/90	JS
	L) Attach Front and Rear Sight Assemblies						10/27/90	Kel
	M) Iron Sight Alignment						10/27/90	Kel
	N) Detach Front & Rear Sights & place in numbered container						10/27/90	Kel
	O) Attach Scope to Rifle						10/27/90	Kel
	P) Detach & Attach Scope 20 Times						10/27/90	Kel
640	Gallery Target & Test						10-29-90	AF
	A) Time						10-29-90	AF
	B) Malfunctions						10-29-90	AF
	C) Pierced Primers						10-29-90	AF
	D) Optical Clarity of Scope						10-29-90	AF
645	Inspect for Live Ammo						10-29-90	AF
655	Final Inspection							
	A) Headspace						3/10/90	JS
	B) Trigger Pull	243	240	262	240	239	3/10/90	JS
	C) Function						3/10/90	JS
660	Pack						12-17-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6523527

DATE 10-27-90

TESTER PH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.46	2.52	2.43	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.62	2.46	2.50	2.40	
PULL #3	2.56	2.54	2.57	2.62	
PULL #4	2.44	2.51	2.56	2.40	
PULL #5	2.43	2.50	2.54	2.39	
TOTAL	12.51	12.47	12.19		
AVG.	2.50	2.49	2.43		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.15		
PULL #2	3.24	3.27		
PULL #3	3.27	3.24		
PULL #4	3.30	3.25		
PULL #5	3.28	3.10		
TOTAL	16.36	16.01		
AVG.	3.27	3.20		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.20		4.00
PULL #2	4.28	4.25		4.04
PULL #3	4.36	4.26		4.06
PULL #4	4.22	4.25		4.06
PULL #5	4.36	4.26		4.01
TOTAL	21.55	21.12		20.17
AVG.	4.31	4.22		4.03

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523527
30 Oct 1990

CENTROIDAL DISTANCES

0 TO	1	.255883
1 TO	2	.144312
1 TO	3	.444599
1 TO	4	.334619
1 TO	5	.347865

$\bar{x}_g$ <----POA

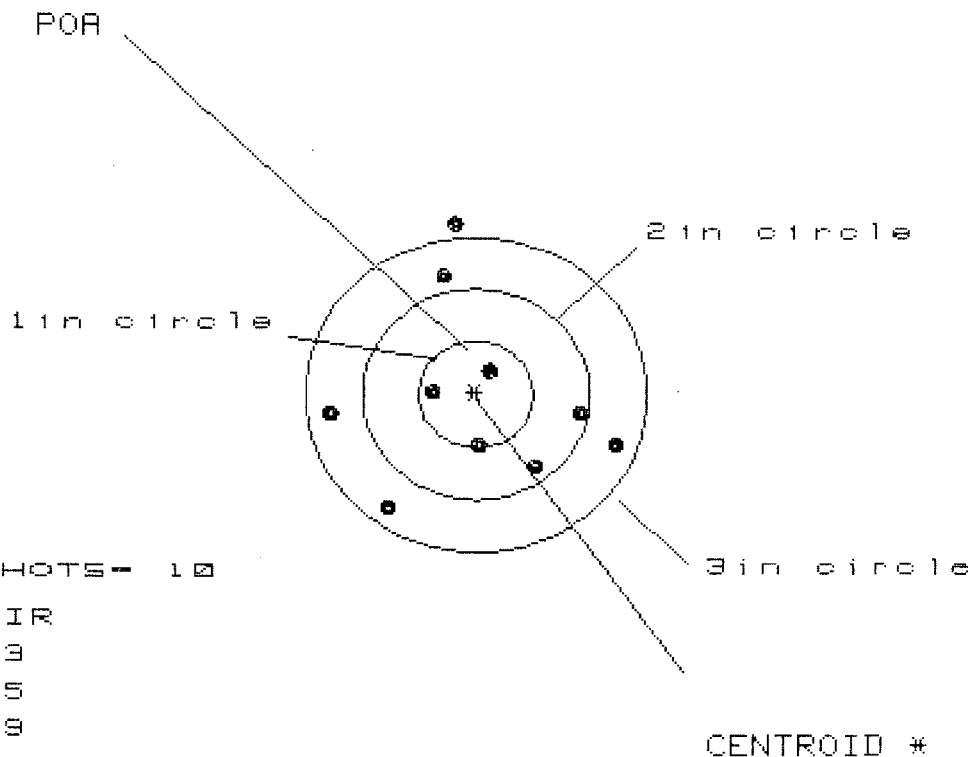
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .065
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1742
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .185932
THE AMR FOR THIS RIFLE IS: 1.075

30 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523527

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS= 2.495

VS= 2.654

GS= 2.721

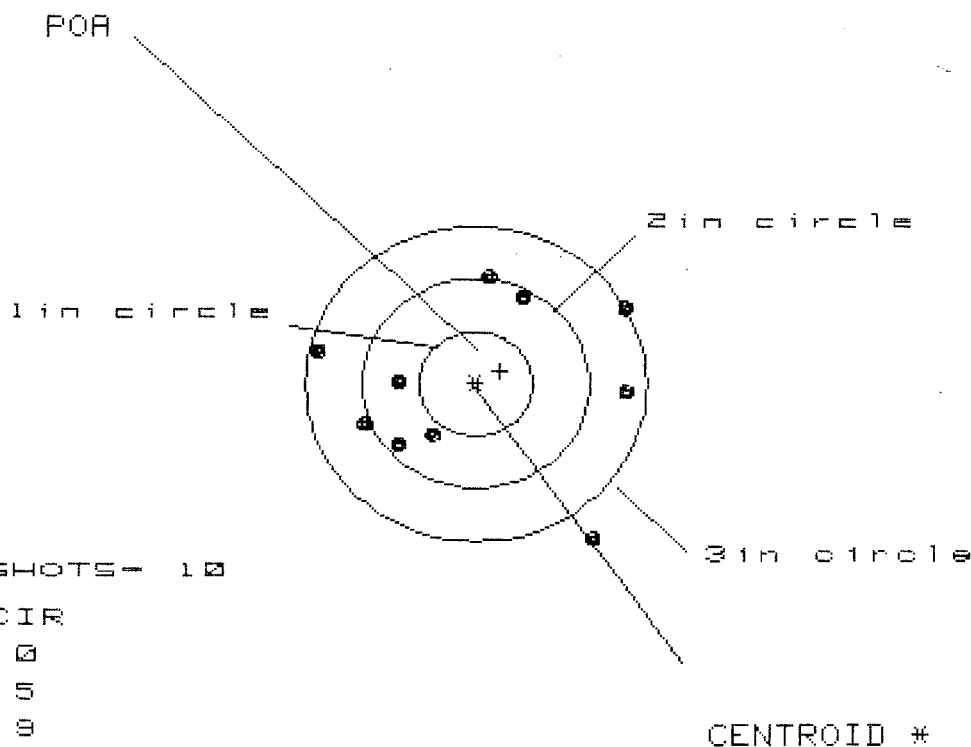
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.264	1.241	1.068
MINIMUM X	-1.231	-1.254	-1.099
MAXIMUM Y	1.618	1.330	1.294
MINIMUM Y	-1.036	-.856	-.892
CENTROID X	-.120	-.097	-.252
CENTROID Y	-.226	-.406	-.370
POA TO CENTROID in.	.256	.418	.448
MIN RADIUS	.221	.318	.284
MEAN RADIUS	.955	.865	.811
MAX RADIUS	1.632	1.364	1.302
HORIZONTAL SPREAD	2.495	2.495	2.167
VERTICAL SPREAD	2.654	2.186	2.186
EXTREME SPREAD	2.721	2.514	2.249
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 9

HS= 2.554

VS= 2.533

GS= 3.044

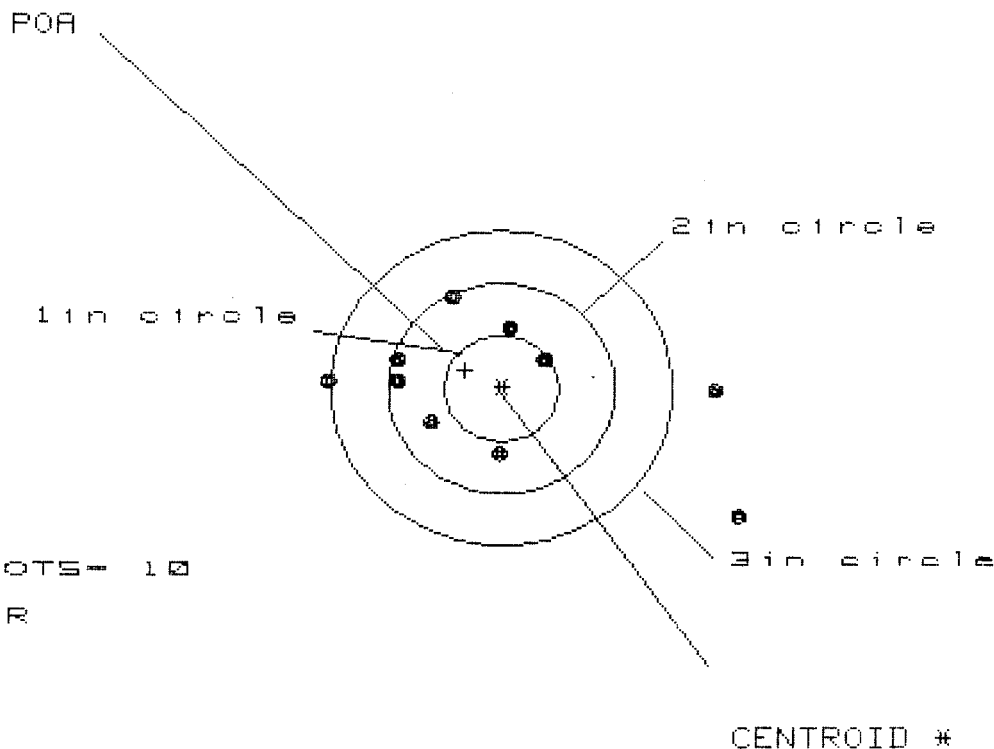
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.283	1.399	1.573
MINIMUM X	:	-1.381	-1.265	-1.091
MAXIMUM Y	:	1.042	.876	.944
MINIMUM Y	:	-1.491	-.763	-.695
CENTROID X	:	-.219	-.335	-.509
CENTROID Y	:	-.121	.045	-.023
POA TO CENTROID in.	:	.250	.338	.510
MIN RADIUS	:	.618	.605	.420
MEAN RADIUS	:	1.118	1.016	.912
MAX RADIUS	:	1.821	1.494	1.579
HORIZONTAL SPREAD	:	2.664	2.664	2.664
VERTICAL SPREAD	:	2.533	1.639	1.639
EXTREME SPREAD	:	3.044	2.691	2.691
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 1

2in = 7

3in = 7

HS = 3.634

VS = 2.086

GS = 3.852

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.103	2.109	.860
MINIMUM X	:	-1.531	-1.298	-1.034
MAXIMUM Y	:	.871	.736	.717
MINIMUM Y	:	-1.215	-.803	-.822
CENTROID X	:	.322	.089	-.175
CENTROID Y	:	-.178	-.043	-.024
POA TO CENTROID in.	:	.368	.099	.177
MIN RADIUS	:	.477	.483	.402
MEAN RADIUS	:	1.105	.897	.696
MAX RADIUS	:	2.428	2.115	1.038
HORIZONTAL SPREAD	:	3.634	3.407	1.894
VERTICAL SPREAD	:	2.086	1.539	1.539
EXTREME SPREAD	:	3.852	3.408	1.910
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 0

2 in = 5

3 in = 7

HS = 3.232

VS = 2.232

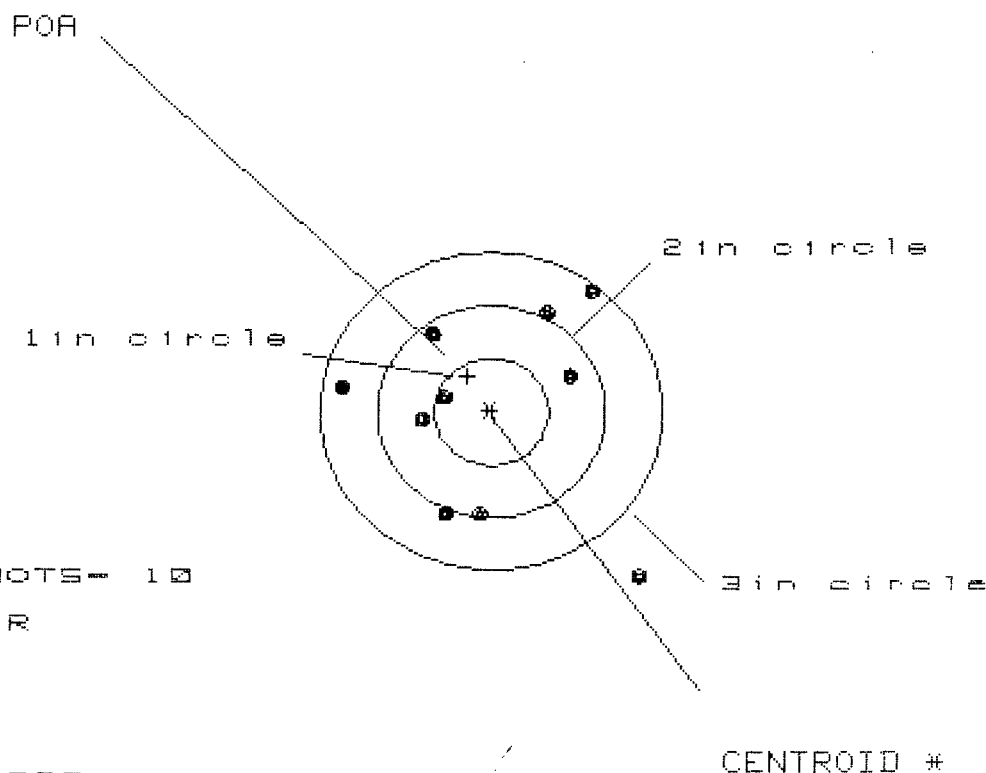
GS = 3.233

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.627	1.291	1.113
MINIMUM X	:	-1.605	-1.424	-1.068
MAXIMUM Y	:	.889	.896	.913
MINIMUM Y	:	-1.343	-1.336	-1.319
CENTROID X	:	.133	-.048	.130
CENTROID Y	:	-.007	-.014	-.031
POA TO CENTROID in.	:	.133	.050	.134
MIN RADIUS	:	.550	.677	.538
MEAN RADIUS	:	1.130	1.067	1.008
MAX RADIUS	:	1.628	1.473	1.542
HORIZONTAL SPREAD	:	3.232	2.715	2.181
VERTICAL SPREAD	:	2.232	2.232	2.232
EXTREME SPREAD	:	3.233	2.780	2.562
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.597

VS= 2.738

GS= 3.193

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.278	1.057	1.007
MINIMUM X	:	-1.319	-1.177	-1.045
MAXIMUM Y	:	1.143	.966	.922
MINIMUM Y	:	-1.595	-1.181	-1.061
CENTROID X	:	.209	.067	-.065
CENTROID Y	:	-.339	-.162	-.282
POA TO CENTROID in.	:	.398	.175	.290
MIN RADIUS	:	.381	.242	.102
MEAN RADIUS	:	1.069	.919	.819
MAX RADIUS	:	2.044	1.431	1.176
HORIZONTAL SPREAD	:	2.597	2.234	2.052
VERTICAL SPREAD	:	2.738	2.147	1.983
EXTREME SPREAD	:	3.193	2.540	2.177
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	