

C6636025

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington




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

MODEL 700™

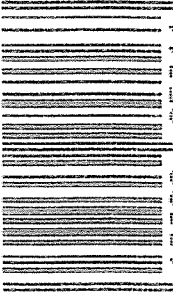
REG. U.S. PAT. & TM. OFF.

SERIAL NO.
C6606025

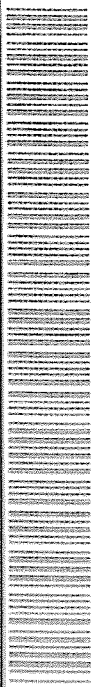
ORDER NO.
5716

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

LPC



0 4700 25716 7



5716 C6606025

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6636025

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		5/1/91	KS
600	Proof		5/1/91	KS
607	Check Headspace		5/1/91	KS
610	Dis-assemble Gun		5/1/91	KS
612	Magnaflux Barrel Action	5 8 9 1		Kcd
	Magnaflux Bolt	5 8 9 1		Kcd
615	Rollmark Caliber			68.
617	Drill and Tap Sight Holes	5 15 9 1		MB
618	Polish Barrel	5 15 9 1		MB
620	Apply Coatings (Barrel Action)		5-31-91	MB
	Apply Coating (Bolt)		5-31-91	MB
625	Final Assembly A) Clean inside of Bolt Assembly		7/5/91	MB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/5/91	MB
	C) Inspect Ejector Hole for Chamfer		7/5/91	MB
	D) Oil Firing Pin Ass'y		7/5/91	MB
	E) Adjust Trigger Pull to Min Setting and Stake		7/16/91	MB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 3/4	5 3/4	5 3/4			7/16/91	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			7/16/91	WB
	H) Trigger Pull Test & Retainability						7-16-91	AL
	I) Firing Pin Indent	.0715	.071	.071			7/16/91	WB
	J) Assemble Stock						7/16/91	KS
	K) Assemble Swivel Studs						7-23-91	D/H
	L) Attach Front and Rear Sight Assemblies						7/16/91	KS
	M) Iron Sight Alignment						7/16/91	KS
	N) Detach Front & Rear Sights & place in numbered container						7/16/91	KS
	O) Attach Scope to Rifle						7/16/91	KS
	P) Detach & Attach Scope 20 Times						7/16/91	KS
640	Gallery Target & Test						7-18-91	AC
	A) Time						7-18-91	AC
	B) Malfunctions						7-18-91	AC
	C) Pierced Primers						7-18-91	AC
	D) Optical Clarity of Scope						7-18-91	AC
645	Inspect for Live Ammo						7-18-91	AC
655	Final Inspection							
	A) Headspace						7-23-91	D/H
	B) Trigger Pull	2.46	2.54	2.54	2.53	2.50	7-22-91	AL
	C) Function						7-23-91	D/H
660	Pack						4-18-91	AC

SWS TRIGGER PULL TEST

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

SERIAL NO C-6636025
DATE 7-16-91
TESTER Jdl.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.49	2.38	2.46	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.42	2.45	2.48	2.54	
PULL #3	2.46	2.49	2.43	2.54	
PULL #4	2.43	2.44	2.48	2.53	
PULL #5	2.43	2.47	2.48	2.50	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.51	3.41		
PULL #2	3.37	3.46		
PULL #3	3.49	3.39		
PULL #4	3.45	3.41		
PULL #5	3.39	3.42		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	4.22		4.24
PULL #2	4.41	4.23		4.22
PULL #3	4.38	4.25		4.25
PULL #4	4.39	4.10		4.28
PULL #5	4.38	4.33		4.37
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636025
18 JUL 1991

CENTROIDAL DISTANCES

Ø TO	1	.615781
1 TO	2	.561493
1 TO	3	.823022
1 TO	4	.76958
1 TO	5	.666444

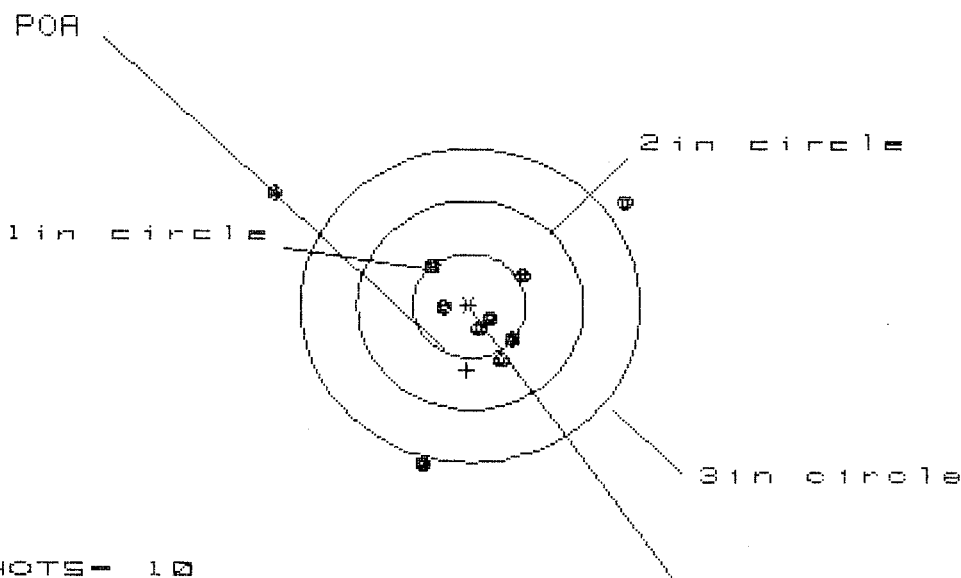
1
34 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1818
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0878
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .201891
THE AMR FOR THIS RIFLE IS: 1.054

18 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636025

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 5

2 in = 7

3 in = 7

HS= 3.111

VS= 2.610

GS= 3.113

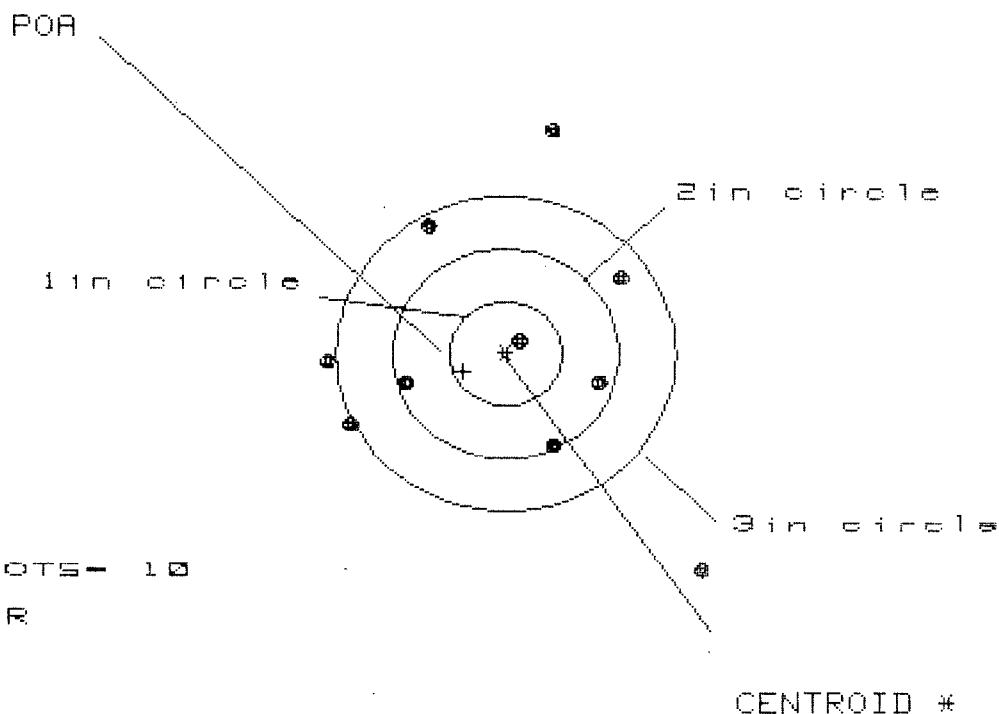
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.338	1.141	.455
MINIMUM X	-1.773	-.651	-.508
MAXIMUM Y	1.083	1.095	.609
MINIMUM Y	-1.527	-1.406	-1.269
CENTROID X	.031	.228	.085
CENTROID Y	.615	.494	.357
POA TO CENTROID in.	.615	.544	.367
MIN RADIUS	.191	.015	.068
MEAN RADIUS	.810	.620	.507
MAX RADIUS	2.077	1.582	1.367
HORIZONTAL SPREAD	3.111	1.792	.963
VERTICAL SPREAD	2.610	2.501	1.878
EXTREME SPREAD	3.113	3.077	2.079
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	7		

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FILE:/PATTERNING/CENTERFIRE_PATT/C6836025

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 6

HS= 3.315

VS= 4.221

GS= 4.404

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.701	1.252	1.331
MINIMUM X	:	-1.614	-1.425	-1.346
MAXIMUM Y	:	2.159	1.930	1.215
MINIMUM Y	:	-2.062	-1.090	-.849
CENTROID X	:	.376	.187	.108
CENTROID Y	:	.172	.401	.160
POA TO CENTROID in.	:	.414	.443	.193
MIN RADIUS	:	.173	.294	.394
MEAN RADIUS	:	1.357	1.213	1.085
MAX RADIUS	:	2.673	2.032	1.519
HORIZONTAL SPREAD	:	3.315	2.677	2.677
VERTICAL SPREAD	:	4.221	3.020	2.064
EXTREME SPREAD	:	4.404	3.374	2.804
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

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CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HS= 2.060

VS= 3.275

GS= 3.570

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.905	.970	.873
MINIMUM X	:	-1.155	-1.090	-1.187
MAXIMUM Y	:	1.748	1.382	1.215
MINIMUM Y	:	-1.527	-1.333	-1.467
CENTROID X	:	.025	-.040	.057
CENTROID Y	:	-.208	-.402	-.235
POA TO CENTROID in.	:	.209	.404	.242
MIN RADIUS	:	.093	.208	.052
MEAN RADIUS	:	1.065	.991	.877
MAX RADIUS	:	1.842	1.542	1.488
HORIZONTAL SPREAD	:	2.060	2.060	2.060
VERTICAL SPREAD	:	3.275	2.715	2.682
EXTREME SPREAD	:	3.570	2.927	2.723
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
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 = 3

2 in = 5

3 in = 8

HS= 2.921

VS= 3.354

GS= 4.213

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.559	1.273	1.171
MINIMUM X	:	-1.362	-1.189	-1.291
MAXIMUM Y	:	1.472	1.179	.964
MINIMUM Y	:	-1.882	-1.719	-1.432
CENTROID X	:	.308	.135	.237
CENTROID Y	:	-.103	-.266	-.051
POA TO CENTROID in.	:	.325	.298	.242
MIN RADIUS	:	.076	.240	.013
MEAN RADIUS	:	1.044	.946	.759
MAX RADIUS	:	2.144	1.903	1.517
HORIZONTAL SPREAD	:	2.921	2.462	2.462
VERTICAL SPREAD	:	3.354	2.898	2.396
EXTREME SPREAD	:	4.213	3.573	2.668
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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FILE:/PATTERNING/CENTERFIRE_PATT/C6636025

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 4

3 in = 9

HS= 2.660

VS= 2.891

GS= 2.968

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.445
MINIMUM X	-1.215
MAXIMUM Y	1.526
MINIMUM Y	-1.365
CENTROID X	.169
CENTROID Y	-.037
POA TO CENTROID in.	.173
MIN RADIUS	.361
MEAN RADIUS	.992
MAX RADIUS	1.658
HORIZONTAL SPREAD	2.660
VERTICAL SPREAD	2.891
EXTREME SPREAD	2.968
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	9