

Smead®

FORM

UPC



0 47700 25716 7

C6649053

BARREL LENGTH
CAPACITY*
*INCLUDES 1 IN CHAMBER

MODEL 700 TM M24

ORDER NO. 5715

Remington



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

MODEL 700™ M24

SERIAL NO.

C6649053

ORDER NO.

5716

20

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



5716 C6649053

ORDER 5716

MODEL 700™ M24

UPC

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MODEL 700™ M24

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GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649053

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 23	91	RW
600	Proof	9 26	91	RW
607	Check Headspace	9 26	91	RW
610	Dis-assemble Gun	9 26	91	RW
612	Magnaflux Barrel Action	OCT	3 1991	KCK
	Magnaflux Bolt	OCT	3 1991	KCK
615	Rollmark Caliber	OCT	3 1991	GS
617	Drill and Tap Sight Holes	OCT	4 1991	LB
618	Polish Barrel	OCT	4 1991	WB
620	Apply Coatings (Barrel Action)		10-18-91	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/18/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/18/91	RW
	C) Inspect Ejector Hole for Chamfer		10/18/91	RW
	D) Oil Firing Pin Ass'y		10/18/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11-7-91	PL

625 cont.	F) Safety On Force	4	4	4	11-11-91	gk		
	G) Safety Off Force	3	3	3	11-11-91	gk		
	H) Trigger Pull Test & Retainability				11/7/91	gk		
	I) Firing Pin Indent	10205	10205	10205	11-11-91	gk		
	J) Assemble Stock				11/11/91	Rev		
	K) Assemble Swivel Studs				11-9-91	D/H		
	L) Attach Front and Rear Sight Assemblies				11/11/91	Rev		
	M) Iron Sight Alignment				11/11/91	Rev		
	N) Detach Front & Rear Sights & place in numbered container				11/11/91	Rev		
	O) Attach Scope to Rifle				11/11/91	Rev		
	P) Detach & Attach Scope 20 Times				11/11/91	Rev		
640	Gallery Target & Test				11-14-91	D/H		
	A) Time				11-14-91	D/H		
	B) Malfunctions				11-14-91	D/H		
	C) Pierced Primers				11-14-91	D/H		
	D) Optical Clarity of Scope				11-14-91	D/H		
645	Inspect for Live Ammo				11-14-91	D/H		
655	Final Inspection				11-19-91	D/H		
	A) Headspace				11-19-91	D/H		
	B) Trigger Pull	254	263	248	258	255	11-14-91	D/H
	C) Function						11-19-91	D/H
660	Pack						12-20-91	✓

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

SERIAL NO 06649053

DATE 11-7-91

TESTER JG

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.46	2.40	2.54	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.52	2.45	2.49	2.63	
PULL #3	2.46	2.40	2.52	2.48	
PULL #4	2.48	2.42	2.40	2.58	
PULL #5	2.45	2.41	2.40	2.55	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.51	3.45		
PULL #2	3.36	3.39		
PULL #3	3.33	3.20		
PULL #4	3.37	3.45		
PULL #5	3.43	3.45		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.50	4.51		4.45
PULL #2	4.42	4.52		4.50
PULL #3	4.51	4.49		4.49
PULL #4	4.51	4.49		4.43
PULL #5	4.50	4.45		4.41
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06649053
15 Nov 1991

CENTROIDAL DISTANCES

0	TO	1	.118983
1	TO	2	.382984
1	TO	3	.178281
1	TO	4	.234785
1	TO	5	.151162

#2 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0722
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0182
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0744586
THE AMR FOR THIS RIFLE IS: .9986

15 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649053

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS= 3.050

VS= 2.920

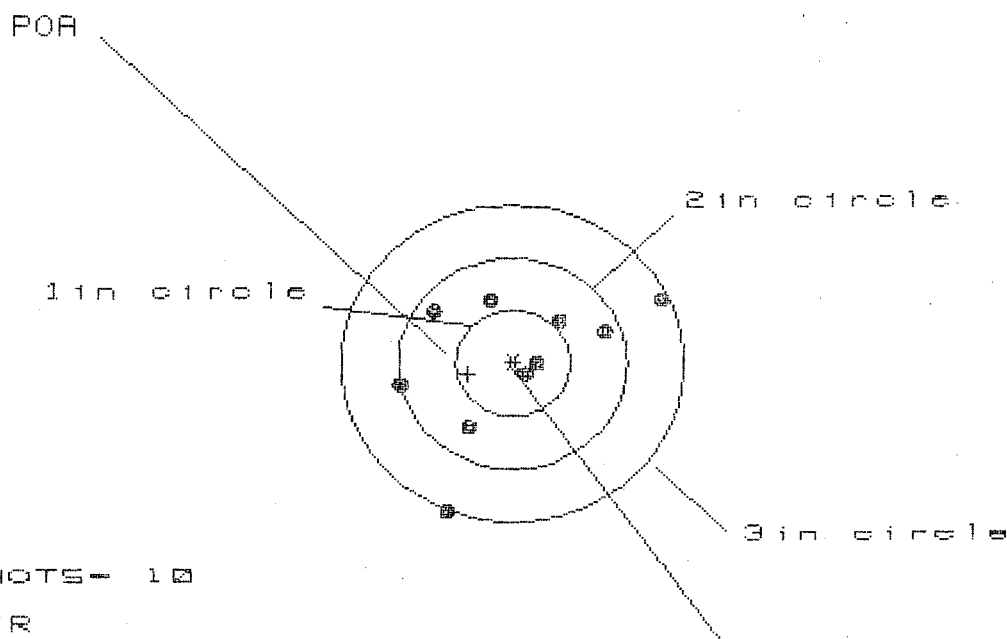
GS= 3.140

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.419	1.395	1.188
MINIMUM X	-1.631	-1.655	-.575
MAXIMUM Y	1.774	.915	.932
MINIMUM Y	-1.146	-.949	-.932
CENTROID X	.066	.090	.297
CENTROID Y	-.099	-.296	-.313
POA TO CENTROID in.	.119	.309	.431
MIN RADIUS	.206	.008	.204
MEAN RADIUS	.964	.825	.752
MAX RADIUS	1.787	1.661	1.251
HORIZONTAL SPREAD	3.050	3.050	1.763
VERTICAL SPREAD	2.920	1.864	1.864
EXTREME SPREAD	3.140	3.059	2.263
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

15 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649053

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.311

VS= 1.953

GS= 2.703

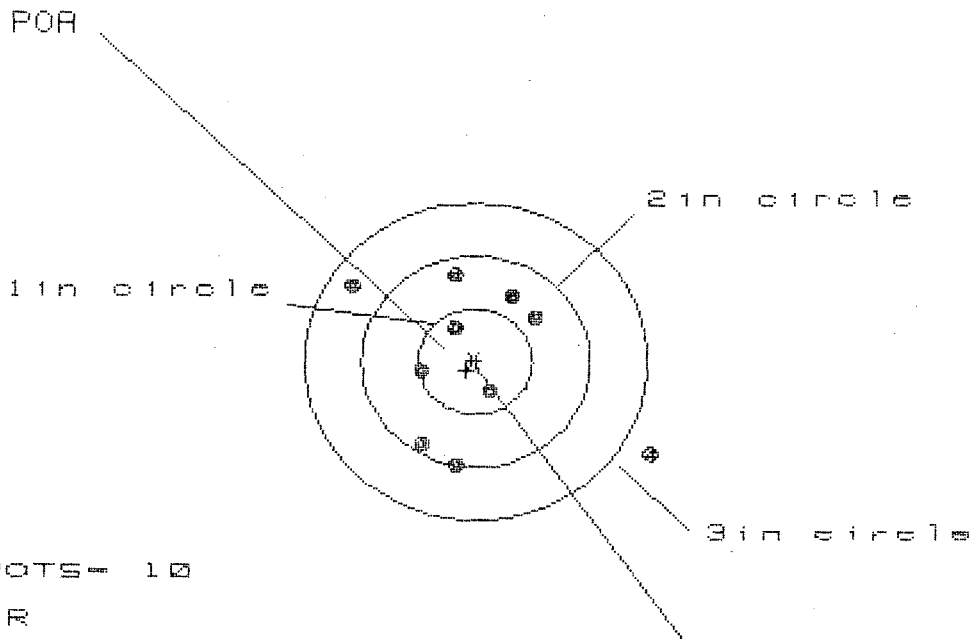
CENTROID *

PATTERN #	2	2	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.310	1.244	.920
MINIMUM X	-1.001	-1.067	-.911
MAXIMUM Y	.584	.432	.482
MINIMUM Y	-1.369	-.788	-.739
CENTROID X	.392	.458	.302
CENTROID Y	.102	.254	.205
POA TO CENTROID in.	.405	.524	.365
MIN RADIUS	.134	.185	.270
MEAN RADIUS	.792	.700	.631
MAX RADIUS	1.492	1.306	.969
HORIZONTAL SPREAD	2.311	2.311	1.831
VERTICAL SPREAD	1.953	1.220	1.220
EXTREME SPREAD	2.703	2.438	1.908
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

15 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649053

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 9

HS= 2.572

VS= 1.782

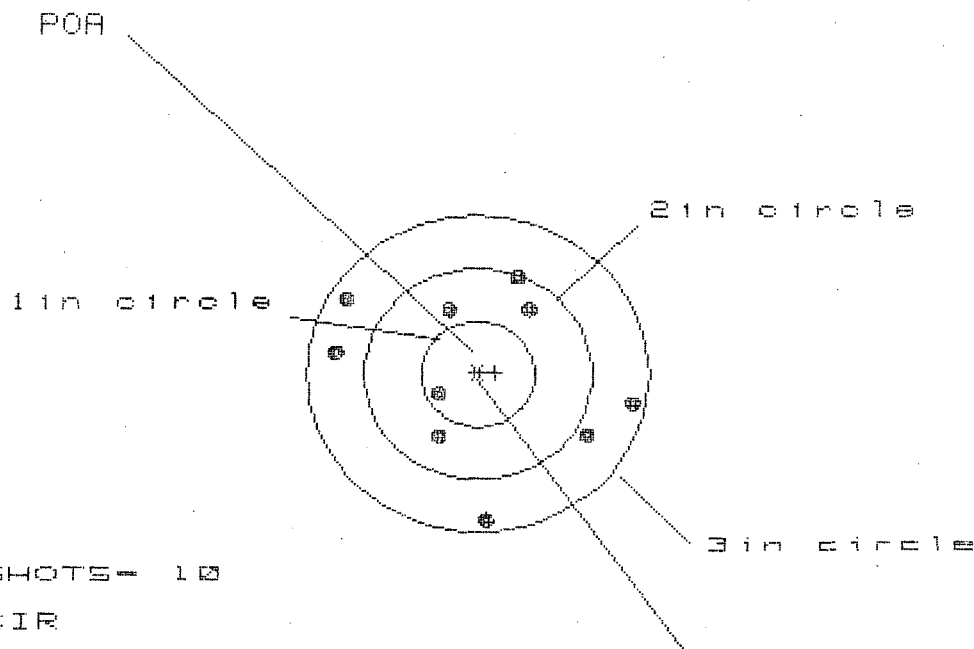
GS= 3.062

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.540
MINIMUM X	-1.032
MAXIMUM Y	.833
MINIMUM Y	-.949
CENTROID X	.076
CENTROID Y	.079
POA TO CENTROID in.	.110
MIN RADIUS	.314
MEAN RADIUS	.828
MAX RADIUS	1.793
HORIZONTAL SPREAD	2.572
VERTICAL SPREAD	1.782
EXTREME SPREAD	3.062
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	8
NUMBER IN THREE INCH CIRCLE =	9

15 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649053

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 10

HS = 2.542

VS = 2.279

GS = 2.672

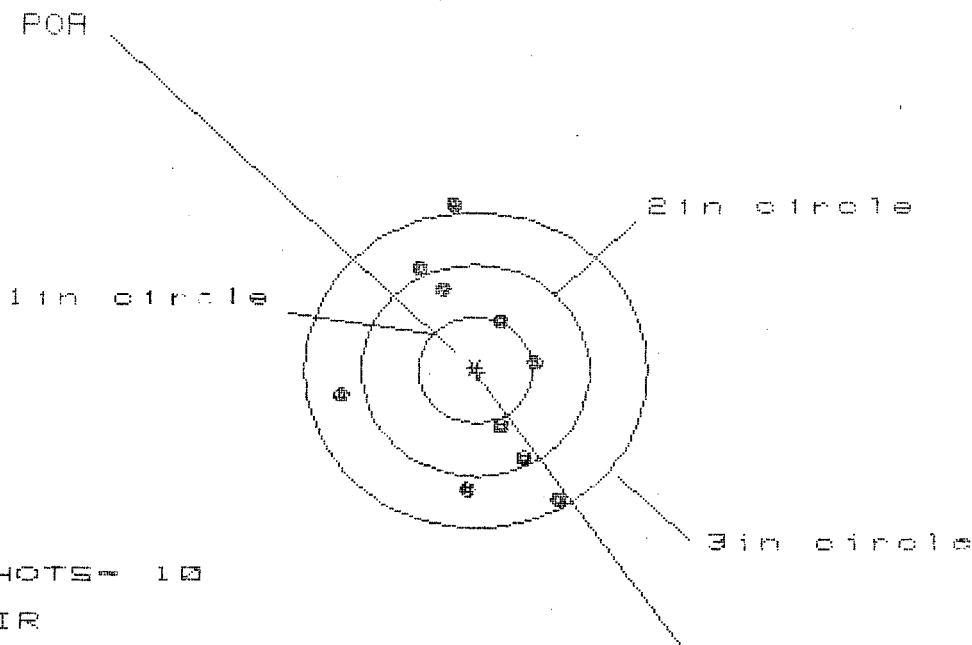
CENTROID #

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.341
MINIMUM X	-1.201
MAXIMUM Y	.946
MINIMUM Y	-1.333
CENTROID X	-.154
CENTROID Y	-.017
POA TO CENTROID in.	.154
MIN RADIUS	.425
MEAN RADIUS	.988
MAX RADIUS	1.370
HORIZONTAL SPREAD	2.542
VERTICAL SPREAD	2.279
EXTREME SPREAD	2.672
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	10

15 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B49053

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 9

HS= 1.941

VS= 2.830

GS= 2.986

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.767
MINIMUM X	-1.174
MAXIMUM Y	1.564
MINIMUM Y	-1.266
CENTROID X	-.019
CENTROID Y	.026
POA TO CENTROID in.	.033
MIN RADIUS	.500
MEAN RADIUS	.971
MAX RADIUS	1.574
HORIZONTAL SPREAD	1.941
VERTICAL SPREAD	2.830
EXTREME SPREAD	2.986
NUMBER IN ONE INCH CIRCLE =	0
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	9