

BARBER - M24 0030986

SMITH
Smead®
NO. 7153 21

FOOT

UPC



0 47700 25716 7

C6649044

CAPACITY*
*INCLUDES 1 IN CHAMBER

Remington



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

MODEL 700™ M24

SERIAL NO.

C6649044

ORDER NO.

5716

20

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



5716 C6649044

ORDER 5716

MODEL 700™ M24

UPC

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MODEL 700™ M24

UPC



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MOD. _____ GA. _____ GUN# 6649044
 CAL. _____ #C

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	Shaver brass ejector stick	RW
	2nd	Repaired 12/11/91	145
	3rd	100 R/L test OK 12-12-91	
	4th		
		FUNCTION	RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	100 Rd - Test AC OK 12-12-91	
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649044

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26	9 1	RW
600	Proof	9 26	9 1	RW
607	Check Headspace	9 26	9 1	RW
610	Dis-assemble Gun		9 1	RW
612	Magnaflux Barrel Action	OCT	3 1991	Rcd
	Magnaflux Bolt	OCT	3 1991	Rcd
615	Rollmark Caliber	OCT	3 1991	CS.
617	Drill and Tap Sight Holes	OCT	4 1991	FB
618	Polish Barrel	OCT	4 1991	WB
620	Apply Coatings (Barrel Action)		10-18-91	JH
	Apply Coating (Bolt)		10-18-91	JH
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		11-11-91	JH

op. BARBER - M24 0030992		READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11-11-91	GU
	G) Safety Off Force	3	3	3			11-11-91	GU
	H) Trigger Pull Test & Retainability						11-11-91	GU
	I) Firing Pin Indent	0205	1021	1021			11-11-91	GU
	J) Assemble Stock						11/13/91	RW
	K) Assemble Swivel Studs						12-12-91	GU
	L) Attach Front and Rear Sight Assemblies						11/13/91	RW
	M) Iron Sight Alignment						11/13/91	RW
	N) Detach Front & Rear Sights & place in numbered container						11/13/91	RW
	O) Attach Scope to Rifle						11/13/91	RW
	P) Detach & Attach Scope 20 Times						11/13/91	RW
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							
	A) Headspace						12-12-91	GU
	B) Trigger Pull	264	243	246	249	249	11-14-91	D/H
	C) Function						12-12-91	GU
660	Pack						12-15-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6649044

DATE 11-11-91

TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.46	2.50	2.64	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.46	2.53	2.43	
PULL #3	2.45	2.17	2.51	2.46	
PULL #4	2.39	2.44	2.48	2.49	
PULL #5	2.39	2.44	2.44	2.49	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.43		
PULL #2	3.33	3.50		
PULL #3	3.27	3.53		
PULL #4	3.64	3.59		
PULL #5	3.48	3.59		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.42	4.40		4.40
PULL #2	4.33	4.37		4.36
PULL #3	4.36	4.33		4.38
PULL #4	4.35	4.34		4.20
PULL #5	4.24	4.35		4.40
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649844
15 Nov 1991

CENTROIDAL DISTANCES

0	TO	1	.382385
1	TO	2	.172105
1	TO	3	.467248
1	TO	4	.430465
1	TO	5	.101863

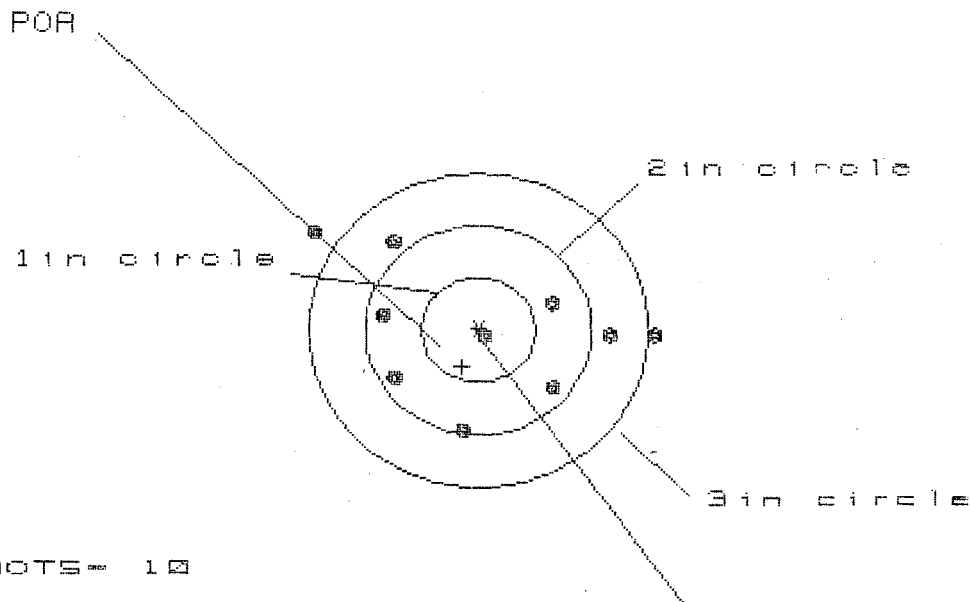
21
14 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .096
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1618
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .188136
THE AMR FOR THIS RIFLE IS: .9154

15 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649044

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.991

VS= 1.928

GS= 3.149

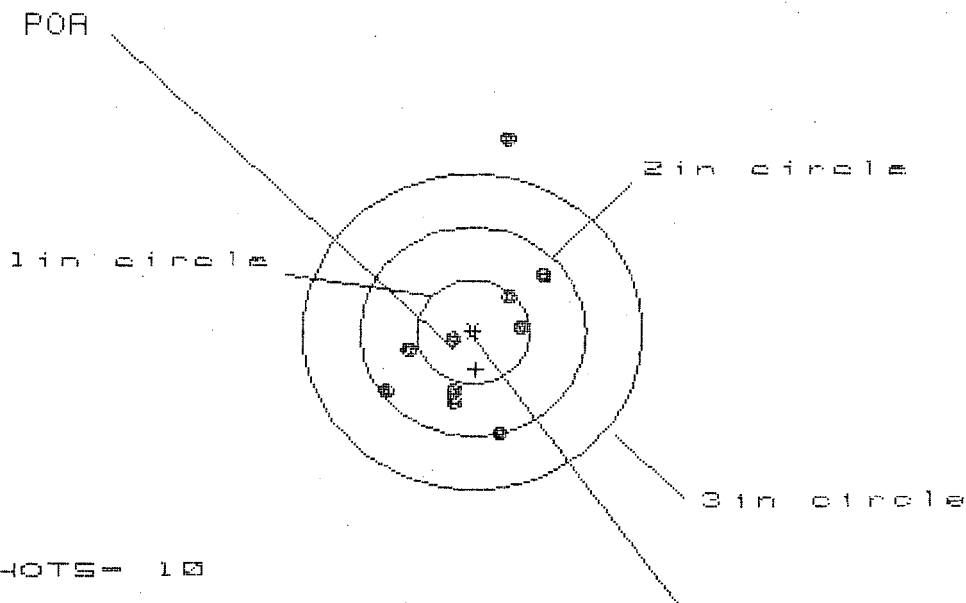
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.521	1.358	1.123
MINIMUM X	-1.470	-1.009	-.839
MAXIMUM Y	.963	.913	.923
MINIMUM Y	-.965	-.858	-.848
CENTROID X	.147	.310	.140
CENTROID Y	.353	.246	.236
POR TO CENTROID in.	.383	.396	.274
MIN RADIUS	.084	.141	.049
MEAN RADIUS	.986	.884	.809
MAX RADIUS	1.757	1.361	1.205
HORIZONTAL SPREAD	2.991	2.367	1.962
VERTICAL SPREAD	1.928	1.771	1.771
EXTREME SPREAD	3.149	2.446	2.092
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

15 Nov 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 9

3 in = 9

HS= 1.354

VS= 2.826

GS= 2.829

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.577	.613	.521
MINIMUM X	:	-.777	-.741	-.596
MAXIMUM Y	:	1.882	.776	.727
MINIMUM Y	:	-.944	-.735	-.784
CENTROID X	:	-.025	-.061	.032
CENTROID Y	:	.359	.150	.200
POA TO CENTROID in.	:	.360	.162	.202
MIN RADIUS	:	.188	.205	.254
MEAN RADIUS	:	.749	.586	.559
MAX RADIUS	:	1.910	.989	.894
HORIZONTAL SPREAD	:	1.354	1.354	1.117
VERTICAL SPREAD	:	2.826	1.511	1.511
EXTREME SPREAD	:	2.829	1.791	1.560
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649044

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 1.445

VS= 2.240

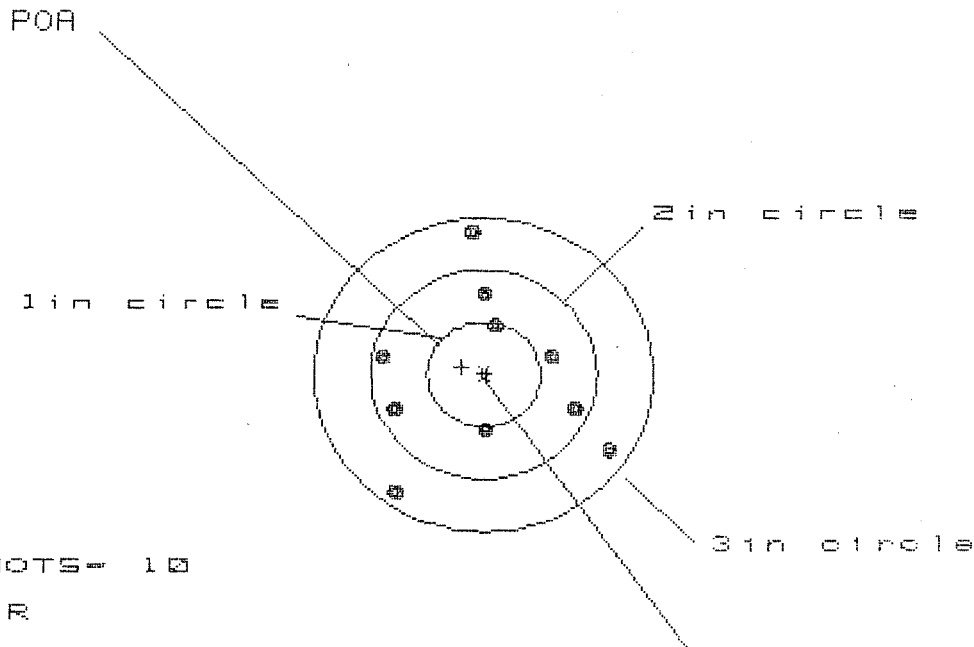
GS= 2.554

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.699	.616	.676
MINIMUM X	:	-.746	-.571	-.511
MAXIMUM Y	:	1.072	.947	1.021
MINIMUM Y	:	-1.168	-1.293	-1.174
CENTROID X	:	.092	.175	.115
CENTROID Y	:	-.111	.014	-.105
POA TO CENTROID in.	:	.144	.176	.156
MIN RADIUS	:	.381	.345	.359
MEAN RADIUS	:	.876	.806	.772
MAX RADIUS	:	1.346	1.338	1.209
HORIZONTAL SPREAD	:	1.445	1.187	1.187
VERTICAL SPREAD	:	2.240	2.240	2.195
EXTREME SPREAD	:	2.554	2.388	2.220
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

15 May 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS = 1.914

VS = 2.483

GS = 2.579

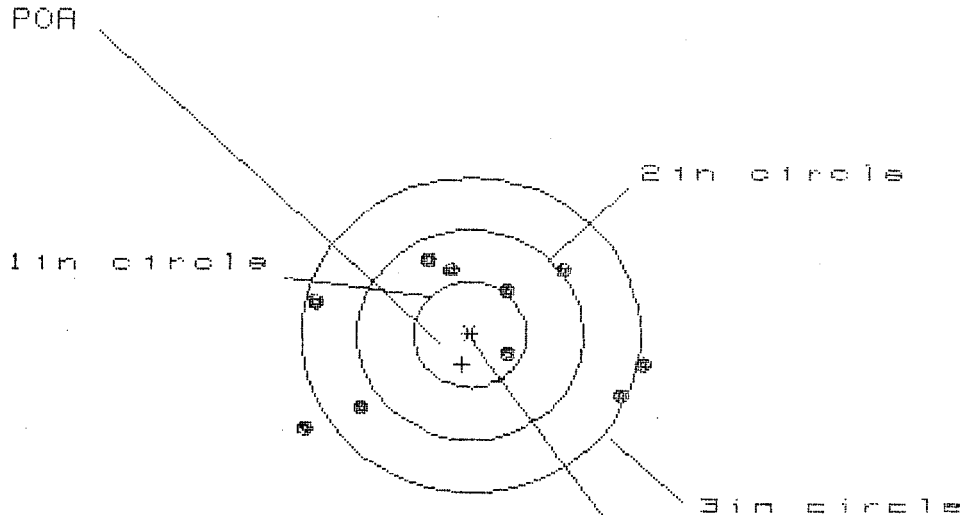
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.057	1.042	.935
MINIMUM X	:	-.857	-.872	-.979
MAXIMUM Y	:	1.406	.918	.803
MINIMUM Y	:	-1.077	-.921	-.714
CENTROID X	:	.193	.208	.315
CENTROID Y	:	-.075	-.231	-.116
POA TO CENTROID in.	:	.207	.311	.335
MIN RADIUS	:	.492	.364	.500
MEAN RADIUS	:	.899	.837	.768
MAX RADIUS	:	1.413	1.253	1.177
HORIZONTAL SPREAD	:	1.914	1.914	1.914
VERTICAL SPREAD	:	2.483	1.839	1.517
EXTREME SPREAD	:	2.579	2.117	2.117
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

15 Nov 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 8

HS= 2.983

VS= 1.507

GS= 3.027

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.504	1.340	1.312
MINIMUM X	-1.479	-1.515	-1.348
MAXIMUM Y	.668	.575	.522
MINIMUM Y	-.839	-.801	-.853
CENTROID X	.073	.237	.070
CENTROID Y	.283	.376	.428
POA TO CENTROID in.	.292	.445	.434
MIN RADIUS	.388	.332	.474
MEAN RADIUS	1.067	.962	.901
MAX RADIUS	1.700	1.538	1.502
HORIZONTAL SPREAD	2.983	2.855	2.660
VERTICAL SPREAD	1.507	1.376	1.376
EXTREME SPREAD	3.027	2.935	2.823
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		