

BARBER - M24 0030854

Smead®

FOR

UPC



0 47700 25716 7

C6649032

*INCLUDES 1 IN CHAMBER

CAPACITY*

MODEL 700 TM M24

ORDER NO.

5716

Remington



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

MODEL 700 TM M24

SERIAL NO.

C6649032

ORDER NO.

5716

20

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



5716 C6649032

ORDER 5716

MODEL 700 TM M24

UPC

ORDER 5716

MODEL 700 TM M24

UPC



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GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649032

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26 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		KCD
	Magnaflux Bolt	OCT 3 1991		KCD
615	Rollmark Caliber	OCT 3 1991		GR
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	JA
	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		11-20-91	JL

BARBER - M24 0030858		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	5	5	5			11/20/91	JK
	G) Safety Off Force	4	4	4			11/20/91	JK
	H) Trigger Pull Test & Retainability						11-20-91	JK
	I) Firing Pin Indent	10205	.0205	.0205			11/20/91	JK
	J) Assemble Stock						11/20/91	RW
	K) Assemble Swivel Studs						11-26-91	JK
	L) Attach Front and Rear Sight Assemblies						11/20/91	RW
	M) Iron Sight Alignment						11/20/91	RW
	N) Detach Front & Rear Sights & place in numbered container						11/20/91	RW
	O) Attach Scope to Rifle						11/20/91	RW
	P) Detach & Attach Scope 20 Times						11/20/91	RW
640	Gallery Target & Test						11-22-91	DH
	A) Time						11-22-91	DH
	B) Malfunctions						11-22-91	DH
	C) Pierced Primers						11-22-91	DH
	D) Optical Clarity of Scope						11-22-91	DH
645	Inspect for Live Ammo						11-22-91	DH
655	Final Inspection							
	A) Headspace						11-26-91	JK
	B) Trigger Pull	230	230	235	232	236	11-22-91	DH
	C) Function						11-26-91	JK
660	Pack						12-19-91	N

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

SERIAL NO. C6649032DATE 11-20-91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.24	2.27	2.27	2.30	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.26	2.28	2.25	2.30	
PULL #3	2.25	2.24	2.22	2.35	
PULL #4	2.31	2.25	2.30	2.32	
PULL #5	2.26	2.26	2.33	2.36	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.41		
PULL #2	3.43	3.42		
PULL #3	3.40	3.49		
PULL #4	3.31	3.41		
PULL #5	3.45	3.48		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.34		4.45
PULL #2	4.39	4.29		4.39
PULL #3	4.34	4.32		4.43
PULL #4	4.41	4.40		4.45
PULL #5	4.37	4.25		4.26
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06649032
22 Nov 1991

CENTROIDAL DISTANCES

0 TO	1	.346302
1 TO	2	.227906
1 TO	3	.233634
1 TO	4	.235332
1 TO	5	.474673

5
1 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2036
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .02
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .20458
THE AMR FOR THIS RIFLE IS: .8992

22 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649032

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 6

3 in = 9

HS= 2.065

VS= 3.328

GS= 3.607

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.290	1.218	1.301
MINIMUM X	-.775	-.847	-.764
MAXIMUM Y	1.163	.922	.650
MINIMUM Y	-2.165	-.967	-.852
CENTROID X	.345	.417	.334
CENTROID Y	-.030	.211	.096
POA TO CENTROID in.	.347	.468	.347
MIN RADIUS	.183	.170	.079
MEAN RADIUS	.920	.732	.670
MAX RADIUS	2.260	1.343	1.377
HORIZONTAL SPREAD	2.065	2.065	2.065
VERTICAL SPREAD	3.328	1.889	1.502
EXTREME SPREAD	3.607	2.340	2.340
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

22 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649032

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 2.936

VS= 3.057

GS= 4.239

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.350	1.174	1.183
MINIMUM X	:	-1.586	-.869	-.723
MAXIMUM Y	:	1.087	.869	.651
MINIMUM Y	:	-1.970	-.645	-.537
CENTROID X	:	.170	.346	.200
CENTROID Y	:	-.176	.042	-.066
POA TO CENTROID in.	:	.245	.349	.210
MIN RADIUS	:	.140	.234	.224
MEAN RADIUS	:	.954	.770	.658
MAX RADIUS	:	2.529	1.460	1.202
HORIZONTAL SPREAD	:	2.936	2.043	1.906
VERTICAL SPREAD	:	3.057	1.514	1.188
EXTREME SPREAD	:	4.239	2.367	1.966
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

22 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649032

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 = 2.848

VS = 2.894

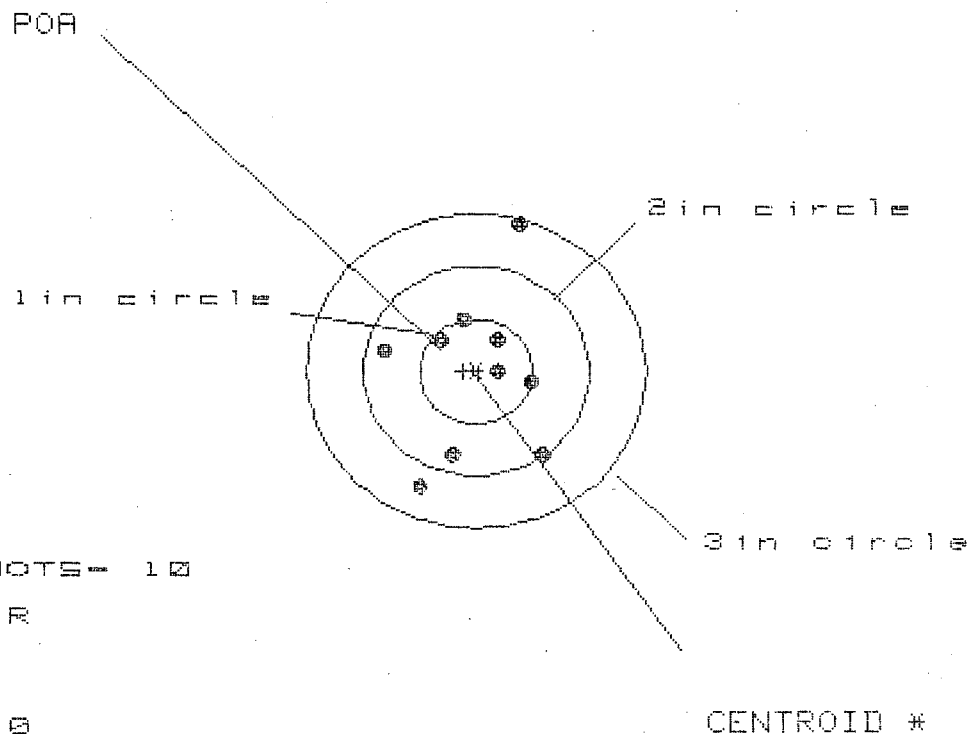
GS = 3.941

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.779	1.116	1.007
MINIMUM X	:	-1.069	-.871	-.818
MAXIMUM Y	:	1.230	1.347	1.154
MINIMUM Y	:	-1.664	-1.547	-1.091
CENTROID X	:	.132	-.066	.043
CENTROID Y	:	-.126	-.243	-.050
POA TO CENTROID in.	:	.182	.252	.066
MIN RADIUS	:	.183	.083	.144
MEAN RADIUS	:	1.102	.949	.859
MAX RADIUS	:	2.071	1.775	1.391
HORIZONTAL SPREAD	:	2.848	1.987	1.825
VERTICAL SPREAD	:	2.894	2.894	2.245
EXTREME SPREAD	:	3.941	3.029	2.623
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

22 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08649032

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

HS = 1.442

VS = 2.443

GS = 2.605

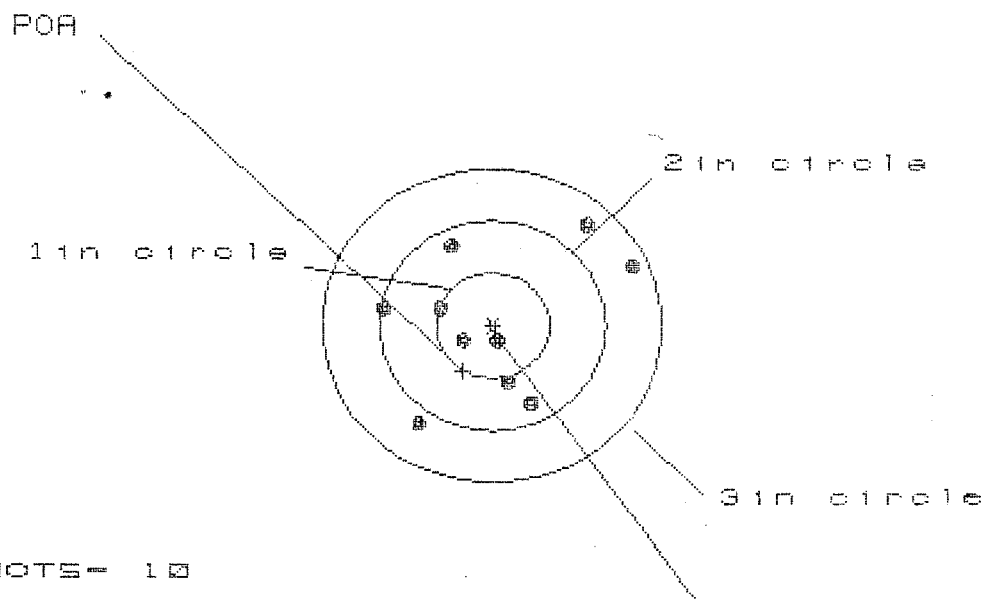
CENTROID *

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.605	.652	.597
MINIMUM X	:	-.837	-.790	-.845
MAXIMUM Y	:	1.379	.633	.520
MINIMUM Y	:	-1.064	-.911	-.757
CENTROID X	:	.111	.064	.118
CENTROID Y	:	-.005	-.158	-.045
POA TO CENTROID in.:	:	.111	.171	.127
MIN RADIUS	:	.211	.293	.204
MEAN RADIUS	:	.731	.665	.591
MAX RADIUS	:	1.442	1.010	.965
HORIZONTAL SPREAD	:	1.442	1.442	1.442
VERTICAL SPREAD	:	2.443	1.544	1.277
EXTREME SPREAD	:	2.605	1.732	1.732
NUMBER IN ONE INCH CIRCLE =	:	4		
NUMBER IN TWO INCH CIRCLE =	:	7		
NUMBER IN THREE INCH CIRCLE =	:	10		

22 Nov 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 2.211

VS= 1.949

GS= 2.460

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.257	1.011	.588
MINIMUM X	-.954	-.815	-.680
MAXIMUM Y	.972	1.033	.926
MINIMUM Y	-.977	-.916	-.786
CENTROID X	.260	.121	-.006
CENTROID Y	.437	.376	.246
POA TO CENTROID in.	.509	.394	.246
MIN RADIUS	.177	.136	.059
MEAN RADIUS	.789	.689	.576
MAX RADIUS	1.373	1.446	.927
HORIZONTAL SPREAD	2.211	1.826	1.276
VERTICAL SPREAD	1.949	1.949	1.712
EXTREME SPREAD	2.460	2.460	1.741
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	