

BARBER - M24 0103461

Speed

FORM

UPC



0 47700 25716 7

C6665864

*INCLUDES 1 IN CHAMBER

CAPACITY*

BARREL LENGTH

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0103461 M2400103500

MODEL 700 TM M24

Remington



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

MODEL 700 TM M24

SERIAL NO.

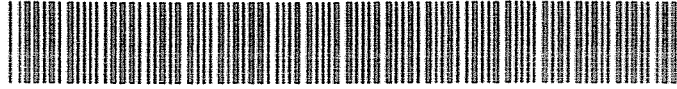
C6665864

ORDER NO.

5716

20

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



5716 C6665864

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 #

C6665864

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		9/26/91	KH
600	Proof		9/26/91	KH
607	Check Headspace		9/26/91	KH
610	Dis-assemble Gun		9/26/91	KH
612	Magnaflux Barrel Action		OCT 1 0 1991	KCR
	Magnaflux Bolt		OCT 1 0 1991	KCR
615	Rollmark Caliber		OCT 1 0 1991	CS
617	Drill and Tap Sight Holes		OCT 1 5 1991	LB
618	Polish Barrel		OCT 1 5 1991	WB
620	Apply Coatings (Barrel Action)		11/2/91	WB
	Apply Coating (Bolt)		11/2/91	WB
625	Final Assembly		12/2/91	KH
	A) Clean inside of Bolt Assembly		12/2/91	KH
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/2/91	KH
	C) Inspect Ejector Hole for Chamfer		12/2/91	KH
	D) Oil Firing Pin Ass'y		12/2/91	KH
	E) Adjust Trigger Pull to Min Setting and Stake		12/3/91	WB

op. #	BARBER - M24 0103465	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 1/2	3 1/2	3 1/2			12/3/91	WB
	G) Safety Off Force	2	2	2			12/3/91	WB
	H) Trigger Pull Test & Retainability						12/3/91	WB
	I) Firing Pin Indent	.020	.021	.0205			12/3/91	WB
	J) Assemble Stock						12/4/91	YH
	K) Assemble Swivel Studs						12-7-91	Ac
	L) Attach Front and Rear Sight Assemblies						12/4/91	YH
	M) Iron Sight Alignment						12/4/91	YH
	N) Detach Front & Rear Sights & place in numbered container						12/4/91	YH
	O) Attach Scope to Rifle						12/4/91	YH
	P) Detach & Attach Scope 20 Times						12/4/91	YH
640	Gallery Target & Test						12-5-91	DH
	A) Time						12-5-91	DH
	B) Malfunctions						12-5-91	DH
	C) Pierced Primers						12-5-91	DH
	D) Optical Clarity of Scope						12-5-91	DH
645	Inspect for Live Ammo						12-5-91	DH
655	Final Inspection						12-7-91	Ac
	A) Headspace						12-7-91	DH
	B) Trigger Pull	265	247	262	270	270	12-7-91	Ac
	C) Function						12-7-91	Ac
660	Pack						12-19-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C 6665864

DATE 12/3/81

TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.37	2.54	2.65	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.53	2.47	2.44	2.47	
PULL #3	2.43	2.33	2.27	2.42	
PULL #4	2.43	2.31	2.56	2.70	
PULL #5	2.23	2.20	2.25	2.70	
TOTAL	12.06	11.68	12.06		
AVG.	2.41	2.33	2.41		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.03	2.93		
PULL #2	2.93	2.96		
PULL #3	3.12	2.81		
PULL #4	3.10	2.92		
PULL #5	3.10	2.89		
TOTAL	15.28	14.51		
AVG.	3.05	2.90		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.04	4.11		3.86
PULL #2	4.14	4.16		4.38
PULL #3	4.00	4.76		4.20
PULL #4	4.09	3.80		4.40
PULL #5	4.13	4.20		4.22
TOTAL	20.40	20.53		21.06
AVG.	4.08	4.11		4.21

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6665864
5 Dec 1991

CENTROIDAL DISTANCES

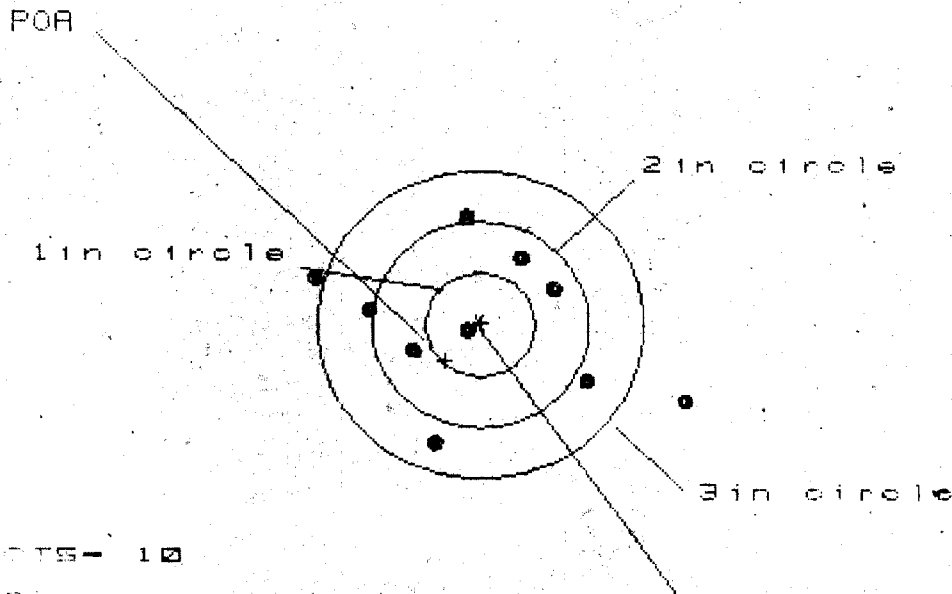
0 TO	1	.472652
1 TO	2	.56056
1 TO	3	.760931
1 TO	4	.537619
1 TO	5	.690163

5¹₃₄ <----POA

CENTROIDAL DISTANCE FOR THIS RIFLE IS: .0494
CENTROIDAL DISTANCE FOR THIS RIFLE IS: .0424
CENTROIDAL DISTANCE FOR THIS RIFLE IS: .0651009

FILE: PATTERNING/CENTERFIRE_PATT/06665664

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

CIR

1

4

8

1000

1000

1000

CENTROID #

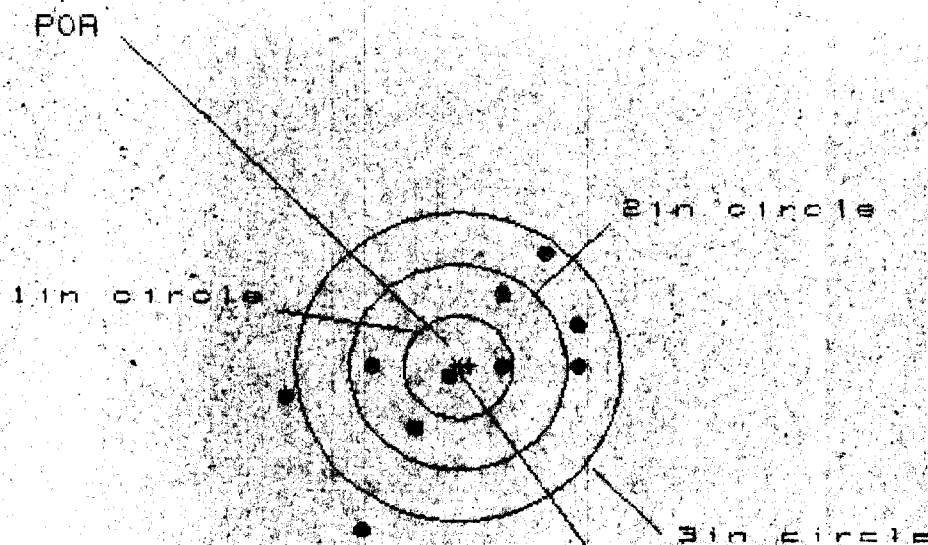
10	9	8
1.845	1.146	.988
1.535	-1.338	-.990
1.042	.954	.995
1.155	-1.243	-1.202
.222	.117	.283
.246	.434	.393
.472	.449	.484
.123	.121	.097
.077	.907	.840
	1.370	1.253
	2.476	1.970
	2.197	2.197
	2.655	2.212
	1	
	4	
	8	

15 Dec 1991

FILE: PATTERNING/CENTERFIRE_PATT/C6665864

CENTERFIRE PATTERNS

2



OF SHOTS - 10

IN CIR

1 in - 2

2 in - 5

3 in - 3

HE - 2.765

VS - 2.737

GS - 3.245

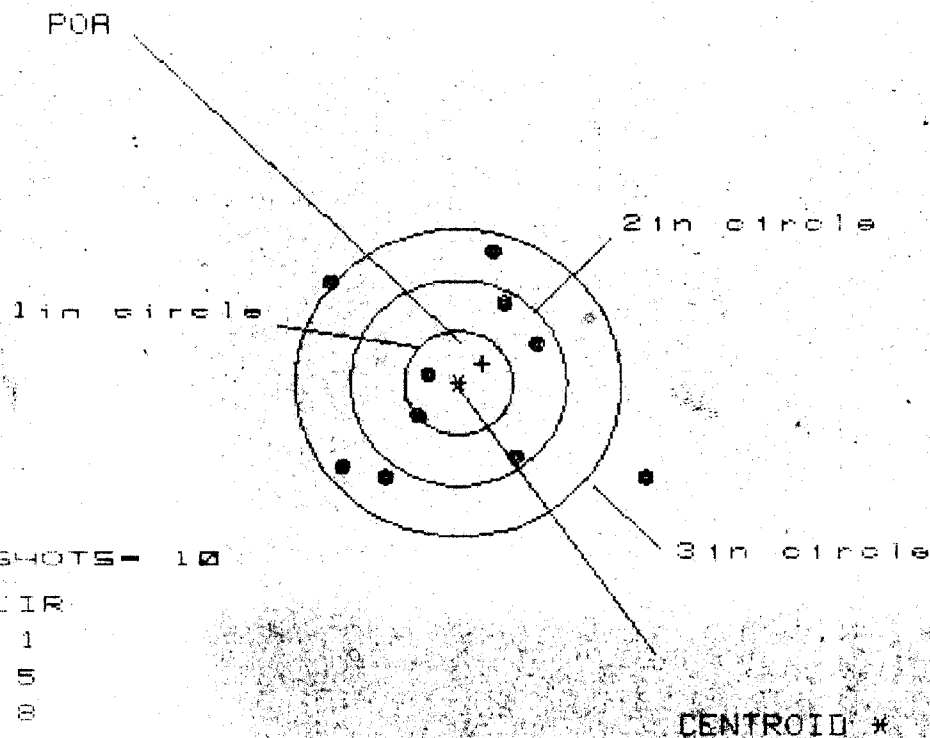
PATTERN #

SHOTS (BEST OF) : 10
 MAXIMUM X : 1.124
 MINIMUM X : -1.641
 MAXIMUM Y : 1.156
 MINIMUM Y : -1.581
 CENTROID X : -.106
 CENTROID Y : -.016
 POB TO CENTROID IN : .107
 MIN RADIUS : .077
 MEAN RADIUS : .998
 MAX RADIUS : 1.839
 HORIZONTAL SPREAD : 2.765
 VERTICAL SPREAD : 2.737
 EXTREME SPREAD : 3.245
 NUMBER IN ONE INCH CIRCLE =
 NUMBER IN TWO INCH CIRCLE =
 NUMBER IN THREE INCH CIRCLE =

1.839
 1.746
 .891
 .776
 -.081
 .159
 .156
 .279
 .896
 1.796
 2.765
 1.751
 2.852
 2
 5
 8

FILE: /PATTERNING/CENTERFIRE_PATT/06665864

CENTERFIRE PATTERNS # 3



* OF SHOTS - 10

IN CIR

1in = 1

2in = 5

3in = 8

MEAN = 2.901

SEE = 2.235

GSE = 2.484

PATTERN #				
SHOTS FIRED OF	:	10	9	8
MEAN	:	1.708	.977	.752
MINIMUM	:	-1.193	-1.004	-1.060
MAXIMUM	:	1.325	1.224	1.339
MINIMUM	:	-.910	-.973	-.858
CENTROID	:	-.224	-.413	-.288
CENTROID	:	-.184	-.083	-.198
MEAN TO CENTROID IN.	:	.290	.422	.349
MINIMUM	:	.290	.076	.240
MEAN RANGE	:	1.078	.956	.983
MEAN RANGE	:	1.935	1.360	1.391
MEAN RANGE	:	2.901	1.881	1.812
MEAN RANGE	:	2.235	2.197	2.197
CENTROID	:	2.484	2.594	2.594
NUMBER IN 1IN CIRCLE	=	1		
NUMBER IN 2IN CIRCLE	=	5		
NUMBER IN 3IN CIRCLE	=	8		

FILE:/PATTERNING/CENTERFIRE_PATT/06685864

CENTERFIRE PATTERNS

4

POR

1in circle

2in circle

3in circle

CENTROID *

TOTAL SHOTS - 10

1in - 17

2in - 2

3in - 4

4in - 0

100 - 2.500

150 - 6.340

200 - 6.700

PATTERN #

SHOTS - YES? OF:

10

9

8

MAXIMUM : 1.336

1.095

1.195

MINIMUM : -2.170

-1.212

-1.122

MAXIMUM : 1.391

1.439

1.250

MINIMUM : -1.557

-1.509

-.640

CENTROID : .117

.359

.268

CENTROID : -.151

-.199

-.011

POR : .191

.409

.268

MINIMUM : .384

.397

.505

MAXIMUM : 1.160

1.017

.941

MAXIMUM : 2.212

1.672

1.340

MAXIMUM : 2.505

2.307

2.307

MAXIMUM : 2.945

2.948

1.891

EXTREME : 3.009

3.136

2.455

NUMBER OF SHOTS IN 1IN CIRCLE =

2

NUMBER OF SHOTS IN 2IN CIRCLE =

4

NUMBER OF SHOTS IN 3IN CIRCLE =

8

FILE:/PATTERNING/CENTERFIRE_PATT/08665864

CENTERFIRE PATTERNS # 5

FOR

1st circle

2nd circle

3rd circle

TOTALS - 10

1st circle = 3
 2nd circle = 3
 3rd circle = 3
 4th circle = 1
 5th circle = 1
 6th circle = 1
 7th circle = 1
 8th circle = 1
 9th circle = 1
 10th circle = 1

CENTROID *

Circle #	10	9	8
1st circle	.844	.987	.771
2nd circle	-1.147	-1.084	-.706
3rd circle	1.772	.956	.843
4th circle	-1.280	-1.083	-1.196
5th circle	-.356	-.419	-.283
6th circle	.217	.020	.133
7th circle	.417	.419	.313
8th circle	.155	.080	.097
9th circle	.301	.881	.809
10th circle	.859	1.409	1.330
11th circle	.931	1.991	1.477
12th circle	2.057	2.039	2.039
13th circle	2.722	2.722	2.117
14th circle	2	2	2
15th circle	5	5	5
16th circle	9	9	9