

BARBER - M24 0104799

FORM

UPC



0 47700 25716 7

C6665986

CAPACITY*
*INCLUDES 1 IN CHAMBER

BARBER - M24 0104800

MODEL 700 TM M24

ORDER NO. 5716

BARREL LENGTH

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0104800 M2400104839

BARBER - M24 0104801

Remington



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

MODEL 700TM M24

SERIAL NO.

C6665986

ORDER NO.

5716

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

20



5716 C6665986

ORDER 5716

MODEL 700TM M24

UPC



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ORDER 5716

MODEL 700TM M24

UPC



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6665986

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		9/25/91	KH
600	Proof		9/25/91	KH
607	Check Headspace		9/25/91	KH
610	Dis-assemble Gun		9/25/91	KH
612	Magnaflux Barrel Action		OCT 2 1991	KR
	Magnaflux Bolt		OCT 2 1991	KR
615	Rollmark Caliber		OCT 2 1991	28
617	Drill and Tap Sight Holes		OCT 2 1991	LB
618	Polish Barrel		OCT 4 1991	WB
620	Apply Coatings (Barrel Action)		10/14/91	TH
	Apply Coating (Bolt)		10/14/91	TH
625	Final Assembly A) Clean inside of Bolt Assembly		10/29/91	KH
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/29/91	KH
	C) Inspect Ejector Hole for Chamfer		10/29/91	KH
	D) Oil Firing Pin Ass'y		10/29/91	KH
	E) Adjust Trigger Pull to Min Setting and Stake		10/30/91	TH

op. #	BARBER M24 0104803	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6½	7½			10-30-91	DH
	G) Safety Off Force	2½	2½	2¾			10-30-91	DH
	H) Trigger Pull Test & Retainability						10/30/91	JL
	I) Firing Pin Indent	.020	.020	.020			10-30-91	DH
	J) Assemble Stock						10/30/91	TH
	K) Assemble Swivel Studs						11-12-91	AC
	L) Attach Front and Rear Sight Assemblies						10/30/91	TH
	M) Iron Sight Alignment						10/30/91	TH
	N) Detach Front & Rear Sights & place in numbered container						10/30/91	TH
	O) Attach Scope to Rifle						10/30/91	TH
	P) Detach & Attach Scope 20 Times						10/30/91	TH
640	Gallery Target & Test						10/31/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						10/31/91	KT
655	Final Inspection							
	A) Headspace						11-12-91	AC
	B) Trigger Pull	2.62	2.72	2.70	2.67	2.71	11-5-91	DH
	C) Function						11-12-91	AC
660	Pack						12-19-91	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6665986

DATE 10/30/91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.37	2.36	2.57	2.62	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.30	2.40	2.72	
PULL #3	2.31	2.39	2.44	2.70	
PULL #4	2.40	2.58	2.43	2.67	
PULL #5	2.34	2.31	2.44	2.71	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.33		
PULL #2	3.38	3.27		
PULL #3	3.25	3.38		
PULL #4	3.23	3.26		
PULL #5	3.38	3.33		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.43	4.49		4.56
PULL #2	4.37	4.35		4.63
PULL #3	4.30	4.57		4.64
PULL #4	4.59	4.60		4.29
PULL #5	4.60	4.47		4.66
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6665986
31 Oct 1991

CENTROIDAL DISTANCES

0 TO 1	.276725
1 TO 2	.196817
1 TO 3	.285659
1 TO 4	.293007
1 TO 5	.0717844

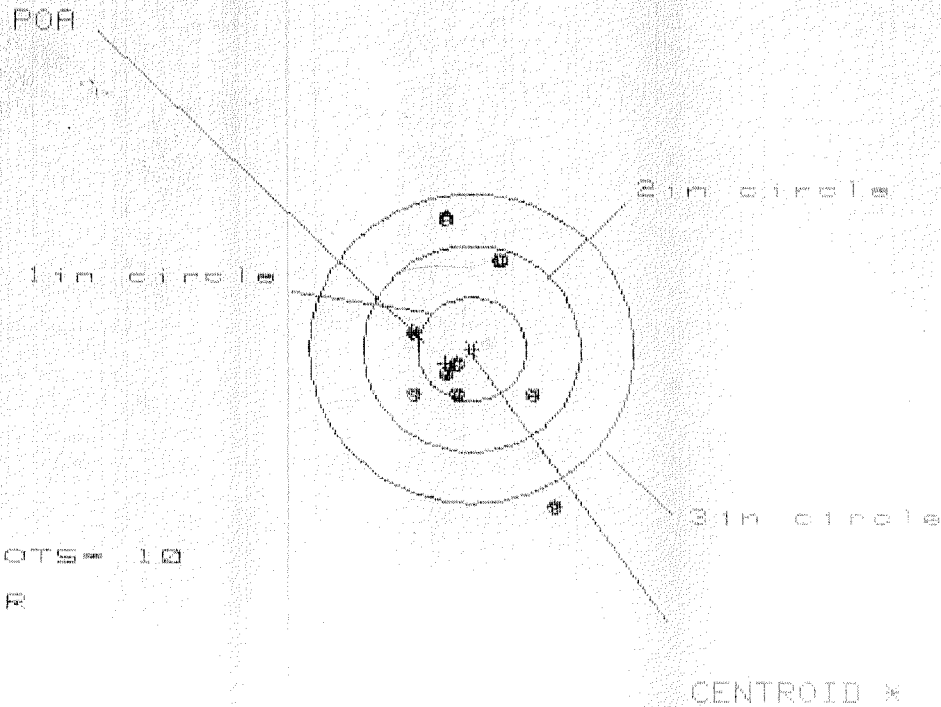
$\frac{1}{5}$ (----) POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2142
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .024
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .21554
THE AMR FOR THIS RIFLE IS: 1.026

31 Oct 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6665986

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS= 1.317

VS= 2.860

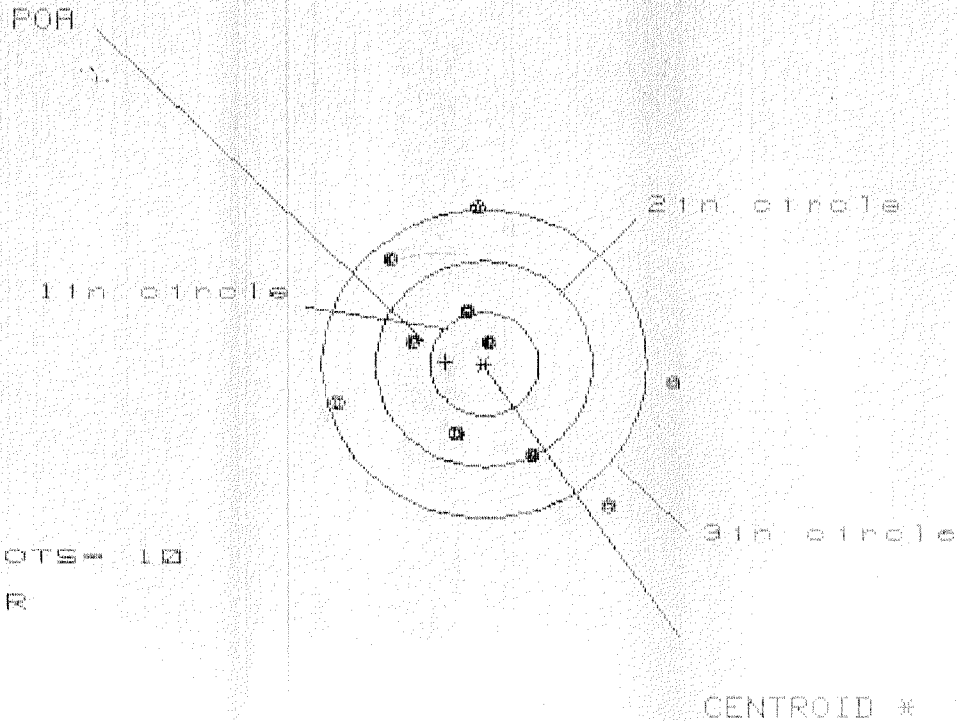
GS= 3.028

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.746	.619	.598
MINIMUM X	-.571	-.488	-.509
MAXIMUM Y	1.282	1.107	.870
MINIMUM Y	-1.578	-.596	-.458
CENTROID X	.241	.158	.179
CENTROID Y	.136	.311	.173
POA TO CENTROID in.	.277	.349	.249
MIN RADIUS	.194	.314	.188
MEAN RADIUS	.777	.675	.584
MAX RADIUS	1.745	1.119	.934
HORIZONTAL SPREAD	1.317	1.107	1.107
VERTICAL SPREAD	2.860	1.703	1.328
EXTREME SPREAD	3.028	1.876	1.565
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		

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FILE:/PATTERNING/CENTERFIRE_PATT/08665986

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 7

HS= 3.107

VS= 2.927

GS= 3.192

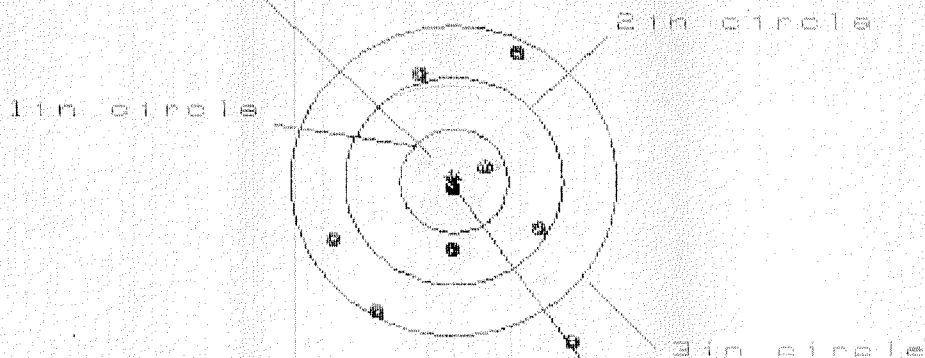
PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.731
MINIMUM X	:	-1.376
MAXIMUM Y	:	1.548
MINIMUM Y	:	-1.379
CENTROID X	:	.357
CENTROID Y	:	-.023
POA TO CENTROID in.	:	.358
MIN RADIUS	:	.232
MEAN RADIUS	:	1.103
MAX RADIUS	:	1.815
HORIZONTAL SPREAD	:	3.107
VERTICAL SPREAD	:	2.927
EXTREME SPREAD	:	3.192
NUMBER IN ONE INCH CIRCLE	=	1
NUMBER IN TWO INCH CIRCLE	=	5
NUMBER IN THREE INCH CIRCLE	=	7

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FILE: PATTERNING/CENTERFIRE_PATT/06685986

CENTERFIRE PATTERNS # 3

POA



OF SHOTS = 10

IN CIR

1in = 2

2in = 4

3in = 8

HS = 2.194

VS = 3.762

GS = 4.127

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.072	1.003	0.881
MINIMUM X	-1.122	-1.191	-1.066
MAXIMUM Y	2.157	1.507	1.336
MINIMUM Y	-1.605	-1.365	-1.207
CENTROID X	.016	.085	.040
CENTROID Y	-.040	-.280	-.109
POA TO CENTROID in.	.043	.293	.116
MIN RADIUS	.040	.227	.049
MEAN RADIUS	1.129	.997	.891
MAX RADIUS	2.246	1.694	1.492
HORIZONTAL SPREAD	2.194	2.194	1.947
VERTICAL SPREAD	3.762	2.872	2.543
EXTREME SPREAD	4.127	2.978	2.867
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

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FILE:/PATTERNING/CENTERFIRE_PATT/C8665986

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 3

2in = 6

3in = 8

LS = 2.632

VS = 3.535

GS = 4.376

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.220
MINIMUM X	-1.612
MAXIMUM Y	2.011
MINIMUM Y	-1.524
CENTROID X	.239
CENTROID Y	-.157
POA TO CENTROID in.	.286
MIN RADIUS	.284
MEAN RADIUS	1.064
MAX RADIUS	2.577
HORIZONTAL SPREAD	2.832
VERTICAL SPREAD	3.535
EXTREME SPREAD	4.376
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	8

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FILE: PATTERNING/CENTERFIRE_PATT/06685986

CENTERFIRE PATTERNS # 5

POB

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 8

HS= 1.980

VS= 3.794

GS= 4.201

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.986
MINIMUM X	-.994
MAXIMUM Y	1.599
MINIMUM Y	-2.195
CENTROID X	.218
CENTROID Y	.204
POB TO CENTROID in.	.299
MIN RADIUS	.403
MEAN RADIUS	1.055
MAX RADIUS	2.339
HORIZONTAL SPREAD	1.980
VERTICAL SPREAD	3.794
EXTREME SPREAD	4.201
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	8