

BARBER - M24 0103539

Smead®

FORM

UPC



0 47700 25716 7

6665872

CAPACITY*
*INCLUDES 1 IN CHAMBER

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0103539 M2400103578

BARBER - M24 0103540

ORDER NO.

5716

MODEL 700 TM M24

**CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON**

BARBER - M24 0103540 **M2400103579**

BARBER - M24 0103541

Remington



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

MODEL 700 TM M24

SERIAL NO.

C6665872

ORDER NO.

5716

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

20



5716 C6665872

ORDER 5716

MODEL 700 TM M24

UPC

ORDER 5716

MODEL 700 TM M24

UPC



0 47700 25716 7



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GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6665872

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		9/24/91	KL
600	Proof		9/24/91	KL
607	Check Headspace		9/24/91	KL
610	Dis-assemble Gun		9/24/91	KL
612	Magnaflux Barrel Action		OCT 2 1991	KR
	Magnaflux Bolt		OCT 2 1991	KR
615	Rollmark Caliber		OCT 2 1991	LS
617	Drill and Tap Sight Holes		OCT 2 1991	FB
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		10/16/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/16/91	KL
	C) Inspect Ejector Hole for Chamfer		10/16/91	KL
	D) Oil Firing Pin Ass'y		10/16/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		10/24/91	KL

BARBER - M24 0103543		READINGS			DATE	INIT		
op. #	OP. NAME							
625 cont.	F) Safety On Force	5	5	5	10/24/91	JH		
	G) Safety Off Force	3	3	3	10/24/91	JH		
	H) Trigger Pull Test & Retainability				10/24/91	JH		
	I) Firing Pin Indent	1020	1020	1020	10/24/91	JH		
	J) Assemble Stock				10/25/91	KH		
	K) Assemble Swivel Studs				10-30-91	KH		
	L) Attach Front and Rear Sight Assemblies				10/25/91	KH		
	M) Iron Sight Alignment				10/25/91	KH		
	N) Detach Front & Rear Sights & place in numbered container				10/25/91	KH		
	O) Attach Scope to Rifle				10/25/91	KH		
	P) Detach & Attach Scope 20 Times				10/25/91	KH		
640	Gallery Target & Test				10/28/91	KT		
	A) Time					KT		
	B) Malfunctions					KT		
	C) Pierced Primers					KT		
	D) Optical Clarity of Scope					KT		
645	Inspect for Live Ammo				10/28/91	KT		
655	Final Inspection							
	A) Headspace				10-30-91	AC		
	B) Trigger Pull	2.21	2.19	2.14	2.20	2.20	10-30-91	DH
	C) Function						10-30-91	AC
660	Pack						12-17-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6665872DATE 10-24-91TESTER JM.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.59	2.57	2.29	2.21	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.18	2.52	2.54	2.19	
PULL #3	2.53	2.50	2.58	2.14	
PULL #4	2.53	2.46	2.49	2.20	
PULL #5	2.55	2.56	2.51	2.20	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.15	3.44		
PULL #2	3.44	3.43		
PULL #3	3.46	3.54		
PULL #4	3.54	3.47		
PULL #5	3.40	3.39		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.24		4.13
PULL #2	4.39	4.42		4.36
PULL #3	4.57	4.44		4.36
PULL #4	4.43	4.30		4.28
PULL #5	4.18	4.15		4.34
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6668972
29 Oct 1991

CENTROIDAL DISTANCES

0 TO 1	.247524
1 TO 2	.152555
1 TO 3	.178219
1 TO 4	.177133
1 TO 5	.0905207

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: +.0352
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.171
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .174585
THE AMR FOR THIS RIFLE IS: .8776

29 Oct 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8665872

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.094

VS= 4.163

GS= 4.166

PATTERN #

SHOTS (BEST OF)

MAXIMUM X : 10 .988

MINIMUM X : -1.106

MAXIMUM Y : 2.555

MINIMUM Y : -1.608

CENTROID X : -.052

CENTROID Y : -.242

POA TO CENTROID in. : .240

MIN RADIUS : .403

MEAN RADIUS : 1.025

MAX RADIUS : 2.562

HORIZONTAL SPREAD : 2.094

VERTICAL SPREAD : 4.163

EXTREME SPREAD : 4.166

NUMBER IN ONE INCH CIRCLE =

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

9

.969

-1.125

1.284

-1.324

-.033

-.526

.527

.354

.808

1.324

2.094

2.608

2.609

2

5

8

8

.964

-1.130

1.119

-.511

-.028

-.361

.362

.341

.741

1.143

2.094

1.690

2.096

2

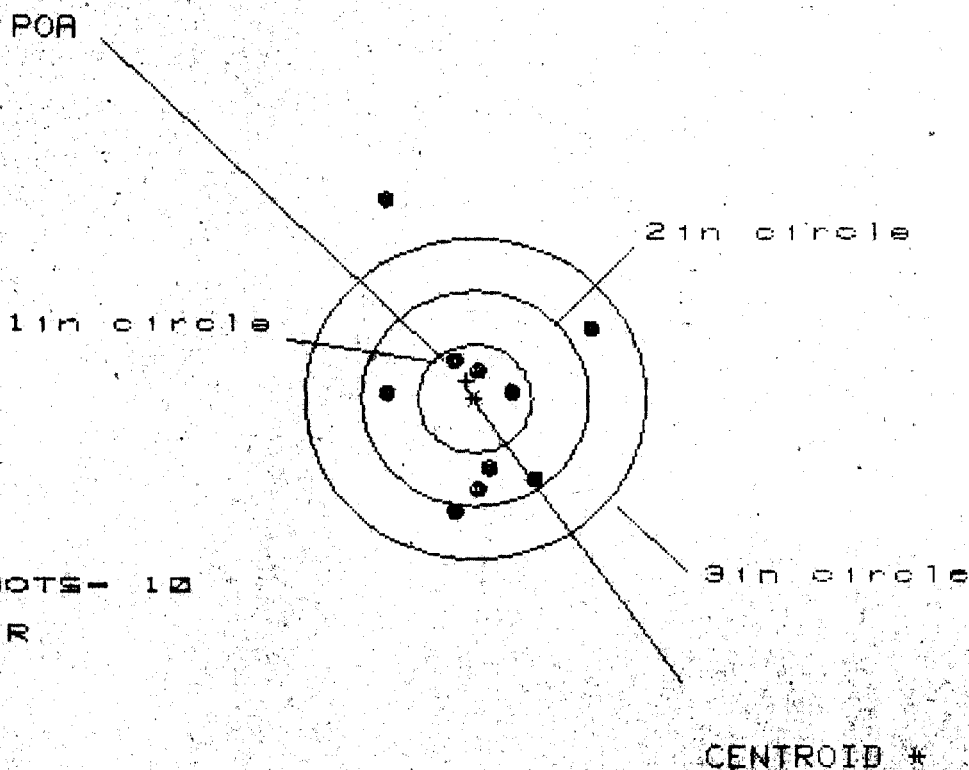
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8

29 Oct 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6685872

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS = 1.882

VS = 2.813

GS = 2.888

PATTERN #

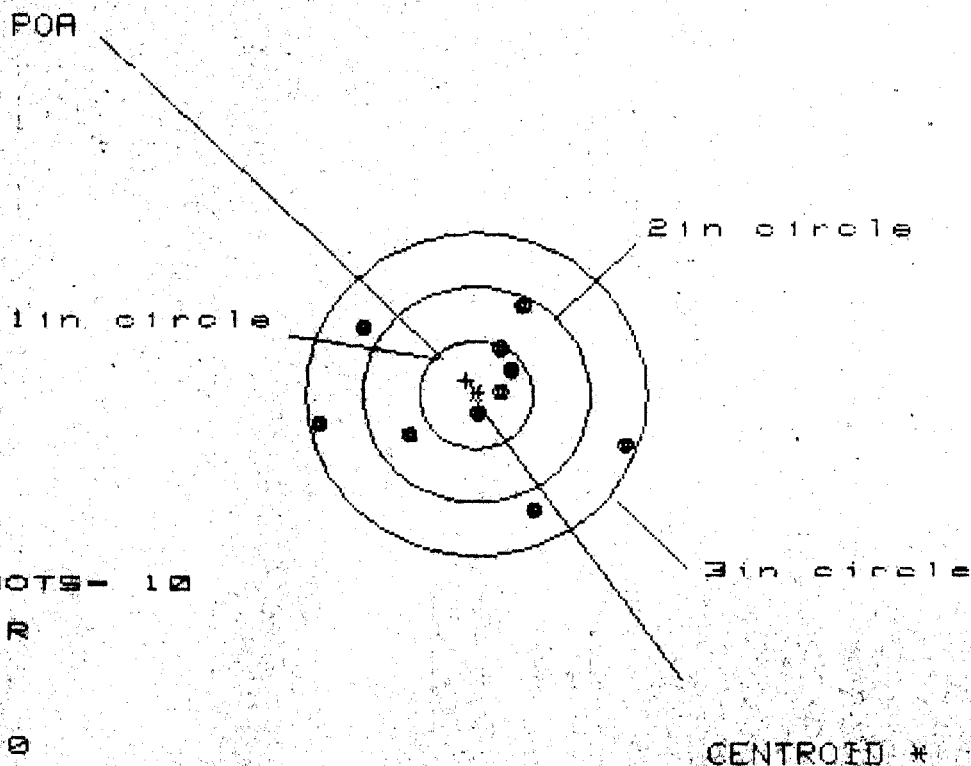
SHOTS (BEST OF)

	10	9	8
MAXIMUM X	1.067	.976	.522
MINIMUM X	-.816	-.960	-.738
MAXIMUM Y	1.810	.851	.625
MINIMUM Y	-1.003	-.882	-.695
CENTROID X	.076	.167	.045
CENTROID Y	-.159	-.360	-.467
POA TO CENTROID in.	.177	.397	.469
MIN RADIUS	.292	.353	.374
MEAN RADIUS	.840	.698	.613
MAX RADIUS	1.985	1.295	.834
HORIZONTAL SPREAD	1.882	1.836	1.260
VERTICAL SPREAD	2.813	1.653	1.320
EXTREME SPREAD	2.888	2.060	1.508
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

29 Oct 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in - 3

2 in - 5

3 in - 10

HS- 2.624

VS- 1.848

GS- 2.630

PATTERN #

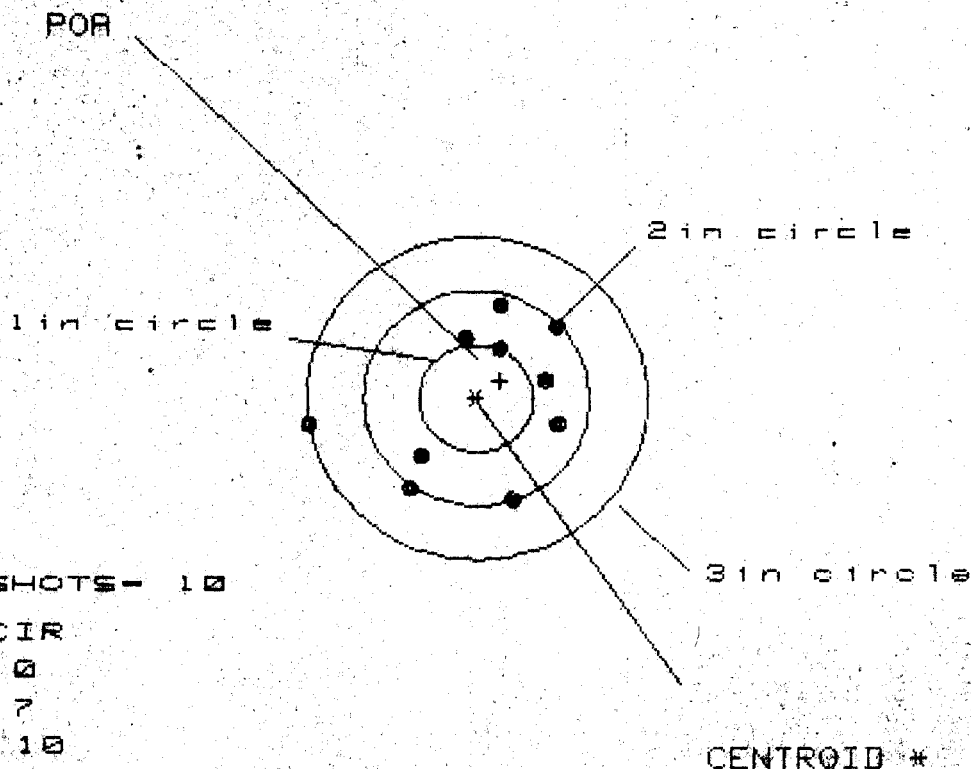
SHOTS (BEST OF)

	1	9	8
MAXIMUM X	1.268	1.117	.500
MINIMUM X	-1.356	-1.178	-1.038
MAXIMUM Y	.829	.799	.741
MINIMUM Y	-1.019	-1.049	-1.107
CENTROID X	.089	.240	.101
CENTROID Y	-.133	-.103	-.045
POA TO CENTROID in.	.160	.261	.118
MIN RADIUS	.167	.068	.191
MEAN RADIUS	.789	.692	.637
MAX RADIUS	1.382	1.317	1.215
HORIZONTAL SPREAD	2.624	2.295	1.539
VERTICAL SPREAD	1.848	1.848	1.848
EXTREME SPREAD	2.630	2.528	2.247
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

29 Oct 1991

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CENTERFIRE PATTERNS * 4



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 7

3 in = 10

HS = 2.201

VS = 1.843

GS = 2.319

PATTERN #

SHOTS (BEST OF)

	10	9	8
MAXIMUM X	.715	.550	.457
MINIMUM X	-1.486	-.745	-.764
MAXIMUM Y	.899	.869	.759
MINIMUM Y	-.954	-.974	-1.084
CENTROID X	-.212	-.047	.046
CENTROID Y	-.166	-.146	-.036
POR TO CENTROID in.	.270	.153	.058
MIN RADIUS	.543	.452	.329
MEAN RADIUS	.868	.767	.681
MAX RADIUS	1.497	1.154	1.085
HORIZONTAL SPREAD	2.201	1.295	1.221
VERTICAL SPREAD	1.843	1.843	1.843
EXTREME SPREAD	2.319	1.968	1.849
NUMBER IN ONE INCH CIRCLE =		8	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

28 Oct 1991

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CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS= 2.233

VS= 1.530

GS= 2.412

PATTERN #

SHOTS (BEST OF)

	10	9	8
MAXIMUM X	1.436	1.559	.801
MINIMUM X	-.797	-.637	-.443
MAXIMUM Y	.976	1.056	1.040
MINIMUM Y	-.554	-.474	-.490
CENTROID X	-.077	-.237	-.431
CENTROID Y	-.155	-.235	-.219
POA TO CENTROID in.	.173	.334	.484
MIN RADIUS	.117	.174	.369
MEAN RADIUS	.866	.743	.623
MAX RADIUS	1.607	1.564	1.066
HORIZONTAL SPREAD	2.233	2.196	1.244
VERTICAL SPREAD	1.530	1.530	1.530
EXTREME SPREAD	2.412	2.311	1.847
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	