

06636203

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

BARBER - M24 0031691

Remington
MODEL 700™ M24

DUPONT
REG. U.S. PAT. & TM. OFF.

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

SERIAL NO.
06636203

ORDER NO.
5716

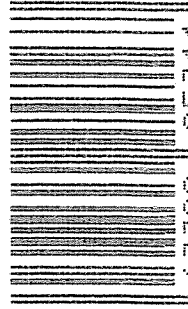
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 06636203

UPC



0 47700 25716

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0031691 M2400031730

MOD. _____		GA. CAL. _____	GUN # <u>6203</u>
INSP. #	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st		
<i>N</i>	<i>7/25</i>	<i>Bolt handle hits stock</i>	<i>KS</i>
	2nd		
<i>N</i>	<i>7/29</i>	<i>Repaired</i>	<i>KS</i>
	3rd		
	4th		
		FINAL INSPECTION	RD 6657 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6636203**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		4/23/91	K.S.
600	Proof		4/23/91	K.S.
607	Check Headspace		4/23/91	K.S.
610	Dis-assemble Gun		4/23/91	K.S.
612	Magnaflux Barrel Action	5 8 9 1		Kcd
	Magnaflux Bolt	5 8 9 1		Kcd
615	Rollmark Caliber	5 8 9 1		Ch.
617	Drill and Tap Sight Holes	5 15 9 1		EB
618	Polish Barrel	5 15 9 1		WB
620	Apply Coatings (Barrel Action)		5-21-91	JH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/17/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/17/91	KS
	C) Inspect Ejector Hole for Chamfer		7/17/91	KS
	D) Oil Firing Pin Ass'y		7/17/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		7-19-91	JS

op. #	BARBER - M24 0031695	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			7-19-91	JH
	G) Safety Off Force	4	4	4			7-19-91	JH
	H) Trigger Pull Test & Retainability						7-19-91	JH
	I) Firing Pin Indent	.0235	.023	.0235			7-19-91	JH
	J) Assemble Stock						7-22-91	KS
	K) Assemble Swivel Studs						7-22-91	JH
	L) Attach Front and Rear Sight Assemblies						7-22-91	KS
	M) Iron Sight Alignment						7-22-91	KS
	N) Detach Front & Rear Sights & place in numbered container						7-22-91	KS
	O) Attach Scope to Rifle						7-22-91	KS
	P) Detach & Attach Scope 20 Times						7-22-91	KS
640	Gallery Target & Test						7-25-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						7-25-91	NF
655	Final Inspection						7-26-91	NH
	A) Headspace						7-26-91	NH
	B) Trigger Pull	2.58	2.54	2.58	2.47	2.60	7-26-91	JH
	C) Function						7-26-91	NH
660	Pack						9-15-91	NF

SWS TRIGGER PULL TEST

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

SERIAL NO. C-6636203DATE 7-19-91TESTER SH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.57	2.26	2.50	2.58	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.69	2.55	2.48	2.54	
PULL #3	2.69	2.43	2.52	2.58	
PULL #4	2.30	2.39	2.50	2.47	
PULL #5	2.48	2.48	2.51	2.60	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.40	3.43		
PULL #2	3.42	3.40		
PULL #3	3.45	3.42		
PULL #4	3.42	3.48		
PULL #5	3.50	3.43		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.36	4.39		4.34
PULL #2	4.32	4.36		4.43
PULL #3	4.20	4.46		4.44
PULL #4	4.37	4.43		4.42
PULL #5	4.37	4.46		4.38
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636203
25 Jul 1991

CENTROIDAL DISTANCES

0 TO	1	.135532
1 TO	2	.125495
1 TO	3	.135133
1 TO	4	.396812
1 TO	5	.339282

3
4

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0382
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .016
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0414155
THE AMR FOR THIS RIFLE IS: 1.03

25 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636203

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 3

2in = 6

3in = 8

HS = 3.386

VS = 2.311

GS = 3.900

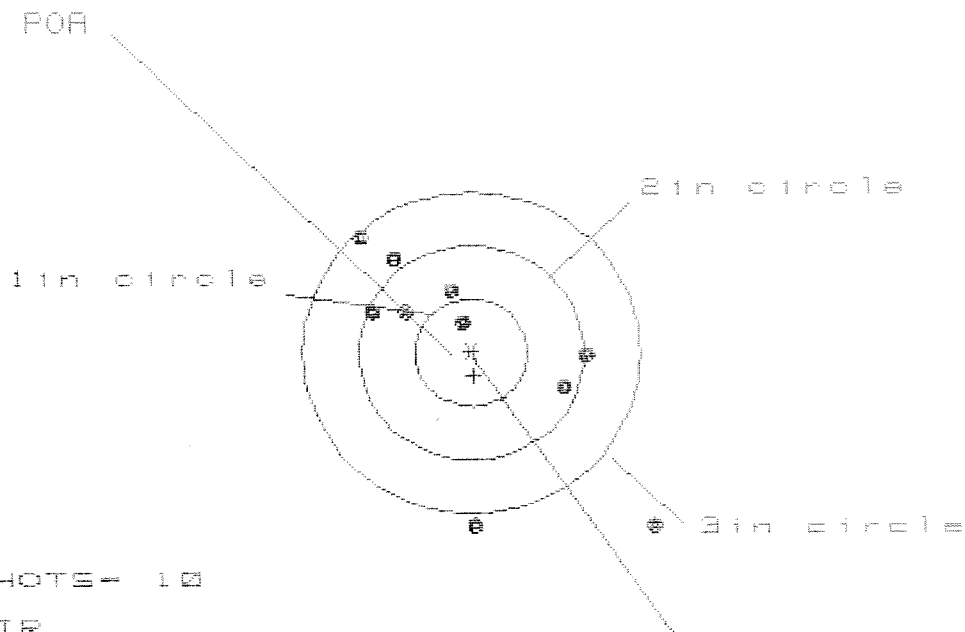
CENTROID #

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.803	1.627	.638
MINIMUM X	:	-1.583	-.868	-.665
MAXIMUM Y	:	1.108	.975	1.050
MINIMUM Y	:	-1.203	-1.168	-1.094
CENTROID X	:	.063	.239	.036
CENTROID Y	:	.120	.253	.178
POA TO CENTROID in.	:	.135	.348	.182
MIN RADIUS	:	.053	.052	.098
MEAN RADIUS	:	.886	.735	.616
MAX RADIUS	:	1.988	1.734	1.280
HORIZONTAL SPREAD	:	3.386	2.495	1.303
VERTICAL SPREAD	:	2.311	2.143	2.143
EXTREME SPREAD	:	3.900	3.057	2.318
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

25 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636203

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 8

HS = 2.628

VS = 2.727

GS = 3.749

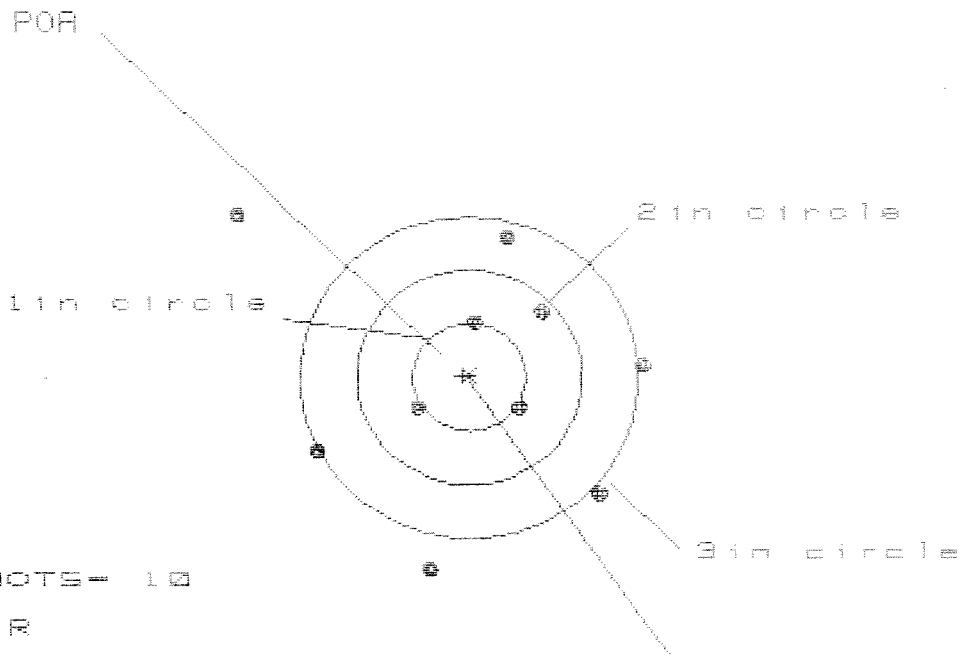
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.617	1.184	1.207
MINIMUM X	-1.011	-.832	-.809
MAXIMUM Y	1.104	.930	.705
MINIMUM Y	-1.623	-1.797	-.759
CENTROID X	-.019	-.199	-.222
CENTROID Y	.215	.389	.614
POA TO CENTROID in.	.216	.437	.653
MIN RADIUS	.266	.144	.147
MEAN RADIUS	1.081	.875	.704
MAX RADIUS	2.253	1.806	1.265
HORIZONTAL SPREAD	2.628	2.016	2.016
VERTICAL SPREAD	2.727	2.727	1.464
EXTREME SPREAD	3.749	2.908	2.305
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

25 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636203

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 6

HS= 3.617

VS= 3.282

GS= 4.148

CENTROID *

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.513	1.279	1.206
MINIMUM X	-2.104	-1.552	-1.625
MAXIMUM Y	1.476	1.512	1.306
MINIMUM Y	-1.806	-1.642	-1.086
CENTROID X	.057	.291	.364
CENTROID Y	-.015	-.179	.027
POA TO CENTROID in.	.059	.342	.365
MIN RADIUS	.539	.255	.353
MEAN RADIUS	1.296	1.125	1.020
MAX RADIUS	2.570	1.744	1.785
HORIZONTAL SPREAD	3.617	2.831	2.831
VERTICAL SPREAD	3.282	3.154	2.392
EXTREME SPREAD	4.148	3.240	2.945
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		6	

25 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C66362B3

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 3.573

VS= 2.232

GS= 3.577

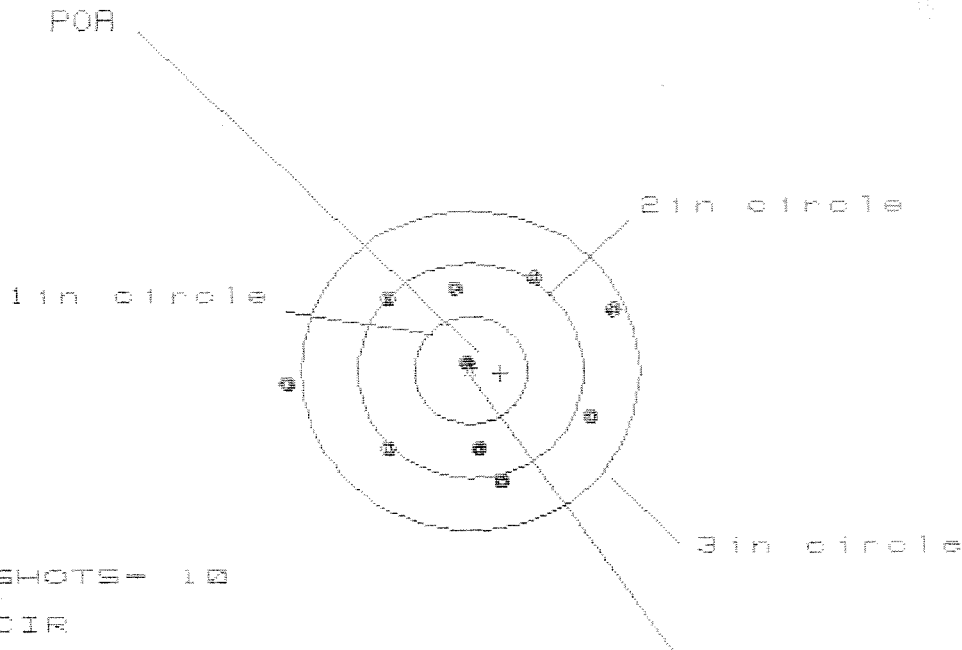
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.129	.552	.401
MINIMUM X	-1.444	-1.207	-.507
MAXIMUM Y	1.182	1.252	1.317
MINIMUM Y	-1.050	-.980	-.915
CENTROID X	-.029	-.266	-.115
CENTROID Y	-.266	-.336	-.401
POA TO CENTROID in.	.268	.428	.418
MIN RADIUS	.218	.131	.065
MEAN RADIUS	.876	.693	.581
MAX RADIUS	2.220	1.368	1.377
HORIZONTAL SPREAD	3.573	1.759	.908
VERTICAL SPREAD	2.232	2.232	2.232
EXTREME SPREAD	3.577	2.286	2.286
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

25 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6696203

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 3

3in = 9

HS= 2.946

VS= 1.967

GS= 3.026

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.286	1.102	.982
MINIMUM X	-1.659	-.947	-.809
MAXIMUM Y	.922	.911	.984
MINIMUM Y	-1.045	-1.056	-.983
CENTROID X	-.263	-.079	-.217
CENTROID Y	.026	.037	-.036
POA TO CENTROID in.	.265	.087	.220
MIN RADIUS	.102	.195	.167
MEAN RADIUS	1.009	.934	.880
MAX RADIUS	1.662	1.246	1.134
HORIZONTAL SPREAD	2.946	2.049	1.791
VERTICAL SPREAD	1.967	1.967	1.967
EXTREME SPREAD	3.026	2.409	2.125
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		9	