

C6649104

MODEL 700™ M24

Model SMS™

Action _____

Barrel Length _____

Capacity _____

Order No. 5716

*Includes 1 in chamber.

Remington

Remington
MODEL 700TM M24

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

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

SERIAL NO.
 C6649104

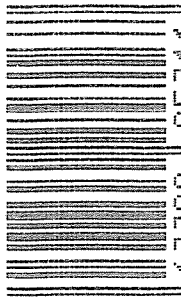
ORDER NO.
 5716

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



5716 C6649104

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649104

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 2 9 1		RW
600	Proof	7 2 9 1		RW
607	Check Headspace	7 2 9 1		RW
610	Dis-assemble Gun	7 2 9 1		RW
612	Magnaflux Barrel Action		JUL 22 1991	LS
	Magnaflux Bolt		JUL 22 1991	LS
615	Rollmark Caliber		JUL 22 1991	LS
617	Drill and Tap Sight Holes		JUL 22 1991	LB
618	Polish Barrel		7/22/91	WB
620	Apply Coatings (Barrel Action)		8-8-91	LS
	Apply Coating (Bolt)			LS
625	Final Assembly A) Clean inside of Bolt Assembly		8/9/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/9/91	RW
	C) Inspect Ejector Hole for Chamfer		8/9/91	RW
	D) Oil Firing Pin Ass'y		8/9/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/16/91	WB

op. #	NAME BARBER - M24 0064860	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	5	5	5	8/16/91	D/H		
	G) Safety Off Force	2 1/2	2 1/2	2 1/4	8/16/91	D/H		
	H) Trigger Pull Test & Retainability				8/16/91	WB		
	I) Firing Pin Indent	.020	.020	.020	8/16/91	D/H		
	J) Assemble Stock				8/17/91	RW		
	K) Assemble Swivel Studs				8/22/91	SL		
	L) Attach Front and Rear Sight Assemblies				8/17/91	RW		
	M) Iron Sight Alignment				8/17/91	RW		
	N) Detach Front & Rear Sights & place in numbered container				8/17/91	RW		
	O) Attach Scope to Rifle				8/17/91	RW		
	P) Detach & Attach Scope 20 Times				8/17/91	RW		
640	Gallery Target & Test				8-19-91	D/H		
	A) Time				8-19-91	D/H		
	B) Malfunctions				8-19-91	D/H		
	C) Pierced Primers				8-19-91	D/H		
	D) Optical Clarity of Scope				8-19-91	D/H		
645	Inspect for Live Ammo				8-19-91	D/H		
655	Final Inspection							
	A) Headspace				8/22/91	SL		
	B) Trigger Pull	2.52	2.54	2.59	2.66	2.70	8-21-91	D/H
	C) Function						8/22/91	SL
660	Pack						4-16-91	JE

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

SERIAL NO. C6649104DATE 8/16/91TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.45	2.25	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.29	2.27	2.54	
PULL #3	2.20	2.35	2.21	2.59	
PULL #4	2.24	2.24	2.33	2.66	
PULL #5	2.24	2.14	2.29	2.70	
TOTAL	11.55	11.47	11.35		
AVG.	2.31	2.29	2.27		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.11	3.11		
PULL #2	3.07	3.04		
PULL #3	3.17	3.05		
PULL #4	3.16	3.02		
PULL #5	3.07	3.00		
TOTAL	15.58	15.22		
AVG.	3.12	3.04		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.15	4.03		4.11
PULL #2	4.15	4.00		4.06
PULL #3	4.10	4.01		4.19
PULL #4	4.04	4.12		4.07
PULL #5	4.14	4.14		4.09
TOTAL	20.58	20.30		20.52
AVG.	4.12	4.06		4.10

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649104
23 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.247736
1 TO	2	.197995
1 TO	3	.137186
1 TO	4	.44854
1 TO	5	.29653

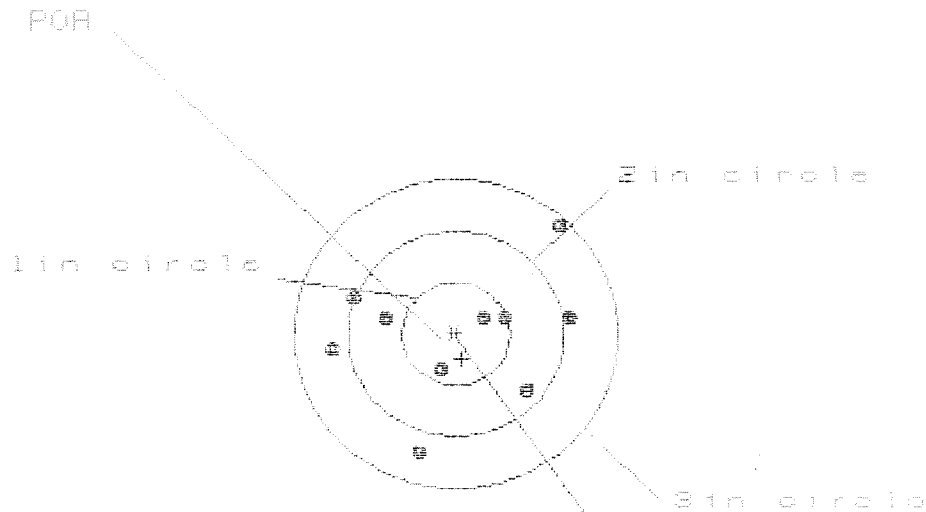
←----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0798
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0948
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .123916
THE AME FOR THIS RIFLE IS: .9292

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649184

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 10

AS = 2.213

VS = 2.191

GS = 2.545

CENTROID +

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.040	1.148	1.121
MINIMUM X	-1.173	-1.065	-1.092
MAXIMUM Y	1.040	.501	.371
MINIMUM Y	-1.151	-1.035	-.510
CENTROID X	-.053	-.161	-.134
CENTROID Y	.242	.126	.256
POA TO CENTROID in.	.248	.205	.289
MIN RADIUS	.273	.235	.336
MEAN RADIUS	.859	.791	.750
MAX RADIUS	1.422	1.188	1.135
HORIZONTAL SPREAD	2.213	2.213	2.213
VERTICAL SPREAD	2.191	1.536	.881
EXTREME SPREAD	2.545	2.235	2.235
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

28 Aug 1991

FILE:/PATTERNS/CENTERFIRE_PATT/0064864

CENTERFIRE PATTERNS # 2

POR

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS = 10

IN CIR

1in = 0

2in = 7

3in = 10

HS = 2.630

VS = 2.027

GS = 2.724

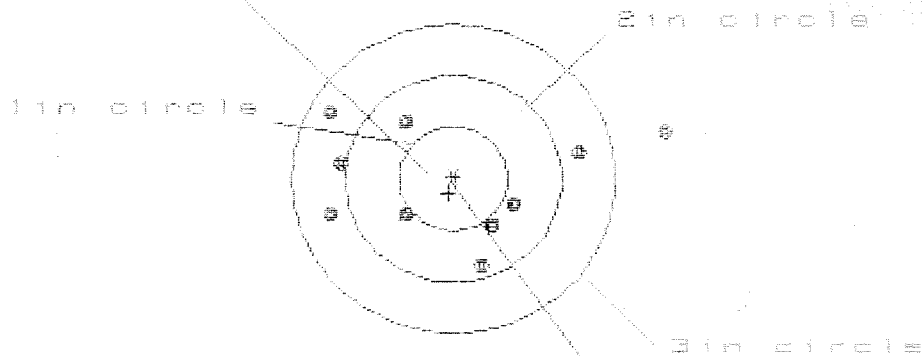
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.312	.665	.509
MINIMUM X	-1.318	-1.173	-1.672
MAXIMUM Y	.764	.709	.709
MINIMUM Y	-1.263	-1.318	-1.297
CENTROID X	.006	-.139	.067
CENTROID Y	.053	.108	.087
POR TO CENTROID in.	.053	.176	.087
MIN RADIUS	.557	.403	.543
MEAN RADIUS	.836	.762	.697
MAX RADIUS	1.400	1.321	1.320
HORIZONTAL SPREAD	2.630	1.858	1.211
VERTICAL SPREAD	2.027	2.027	2.027
EXTREME SPREAD	2.724	2.055	2.055
NUMBER IN ONE INCH CIRCLE =	0	0	0
NUMBER IN TWO INCH CIRCLE =	7	7	7
NUMBER IN THREE INCH CIRCLE =	10	10	10

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6849104

CENTERFIRE PATTERNS # 3

FOR



OF SHOTS = 10

IN CIR

1 in = 8

2 in = 5

3 in = 9

HE = 2.151

VS = 1.510

GS = 2.240

CENTROID *

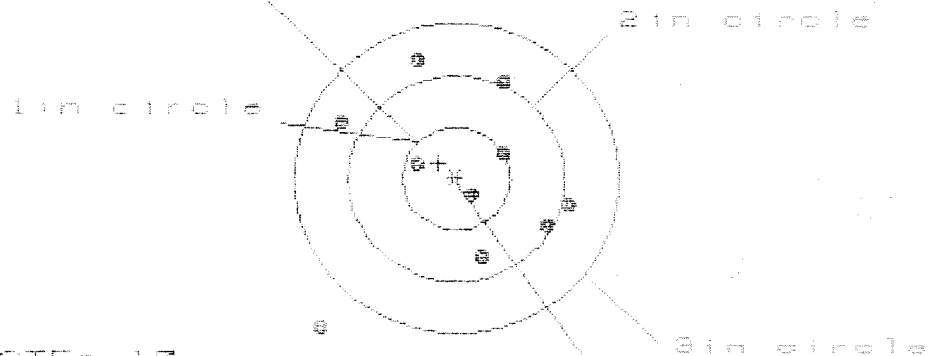
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.982	1.416	1.298
MINIMUM X	-1.169	-0.949	-1.045
MAXIMUM Y	.687	.740	.750
MINIMUM Y	-.823	-.770	-.678
CENTROID X	.043	-.177	-.059
CENTROID Y	.144	.091	-.001
FOR TO CENTROID IN.	.150	.199	.059
MIN RADIUS	.554	.368	.401
MEAN RADIUS	1.028	.886	.832
MAX RADIUS	2.038	1.456	1.367
HORIZONTAL SPREAD	3.151	2.365	2.343
VERTICAL SPREAD	1.510	1.510	1.428
EXTREME SPREAD	3.240	2.432	2.432
NUMBER IN ONE INCH CIRCLE =	8	5	9
NUMBER IN TWO INCH CIRCLE =	5	5	9
NUMBER IN THREE INCH CIRCLE =	9	5	9

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08549104

CENTERFIRE PATTERNS # 4

PCR



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.301

VS= 2.288

GS= 2.219

CENTROID *

PATTERN #

4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.007	.863	.802
MINIMUM X	-1.294	-1.185	-1.246
MAXIMUM Y	1.145	.983	.854
MINIMUM Y	-1.458	-1.987	-1.784
CENTROID X	.165	.309	.370
CENTROID Y	-.150	.012	-.111
PCR TO CENTROID (in)	.223	.309	.387
MIN RADIUS	.187	.307	.203
MEAN RADIUS	.923	.790	.729
MAX RADIUS	1.949	1.249	1.350
HORIZONTAL SPREAD	2.301	2.048	2.048
VERTICAL SPREAD	2.603	1.890	1.646
EXTREME SPREAD	2.919	2.205	2.285
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

25 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C88491B4

CENTERFIRE PATTERNS # 5

FOR

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 2

2in = 7

3in = 8

LS = 3.683

US = 1.464

SS = 3.704

CENTROID *

PATTERN #

5

SHOT: BEST OF	10	9	6
OR. INCH	2.121	1.631	1.466
MIN. INCH	-1.561	-1.326	-1.731
MA. INCH	.792	.763	.677
MIN. INCH	-.672	-.701	-.787
CENTROID	.238	.003	.168
LS. INCH	.105	.214	.300
FOR TO BE INCH	.302	.214	.344
1in. RADII	.438	.289	.350
2in. RADII	1.300	.828	.737
3in. RADII	2.138	1.631	1.466
FOR TO BE INCH	3.683	2.957	2.197
US. INCH	1.464	1.464	1.464
SS. INCH	3.704	3.035	2.250
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	