

C6649232

MODEL 700™ M24

Model **SMS**

™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington
MODEL 700™ M24

DUPONT
REGISTERED TRADE MARK

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

SERIAL NO.
C6649232

ORDER NO.
5716

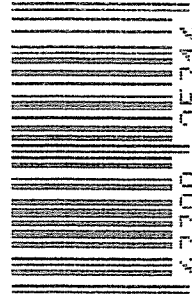
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6649232

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649232

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	GS
	Magnaflux Bolt		JUL 22 1991	GS
615	Rollmark Caliber		JUL 22 1991	GS
617	Drill and Tap Sight Holes		JUL 22 1991	LB
618	Polish Barrel		7/28/91	WB
620	Apply Coatings (Barrel Action)		8-2-91	LB
	Apply Coating (Bolt)			
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		8-12-91	HL

op. #	NAME BARBER - M24 0066744	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			8-12-91	JM
	G) Safety Off Force	2	2	2			8-12-91	JM
	H) Trigger Pull Test & Retainability						8-12-91	JM
	I) Firing Pin Indent	.021	.021	.021			8-12-91	JM
	J) Assemble Stock						8/12/91	RW
	K) Assemble Swivel Studs						8-13-91	DH
	L) Attach Front and Rear Sight Assemblies						8/12/91	RW
	M) Iron Sight Alignment						8/12/91	RW
	N) Detach Front & Rear Sights & place in numbered container						8/12/91	RW
	O) Attach Scope to Rifle						8/12/91	RW
	P) Detach & Attach Scope 20 Times						8/12/91	RW
640	Gallery Target & Test						8/12/91	KT
	A) Time							KT
	B) Malfunctions							LT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						8/12/91	KT
655	Final Inspection							
	A) Headspace						8-13-91	DH
	B) Trigger Pull	2.22	2.25	2.38	2.32	2.19	8-13-91	JM
	C) Function						8-13-91	DH
660	Pack						8-13-91	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6649232DATE 8-12-91TESTER JRU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.36	2.33	2.22	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.56	2.65	2.40	2.25	
PULL #3	2.58	2.34	2.44	2.38	
PULL #4	2.60	2.20	2.36	2.32	
PULL #5	2.64	2.36	2.30	2.19	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.48	3.35		
PULL #2	3.39	3.43		
PULL #3	3.35	3.35		
PULL #4	3.38	3.34		
PULL #5	3.41	3.47		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.20		4.13
PULL #2	4.24	4.20		4.17
PULL #3	4.25	4.23		4.34
PULL #4	4.21	4.25		4.28
PULL #5	4.28	4.21		4.29
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649232
12 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.226385
1 TO	2	.543
1 TO	3	.131548
1 TO	4	.208598
1 TO	5	.773036

425

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0484
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0933
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .105551
THE AMR FOR THIS RIFLE IS: .9494

12 AUG 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649232

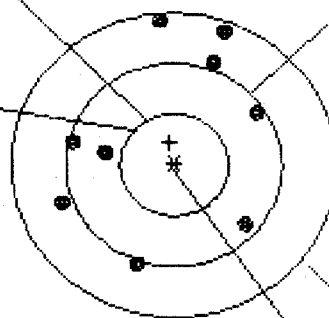
CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 9

HS= 1.838

VS= 4.114

GS= 4.194

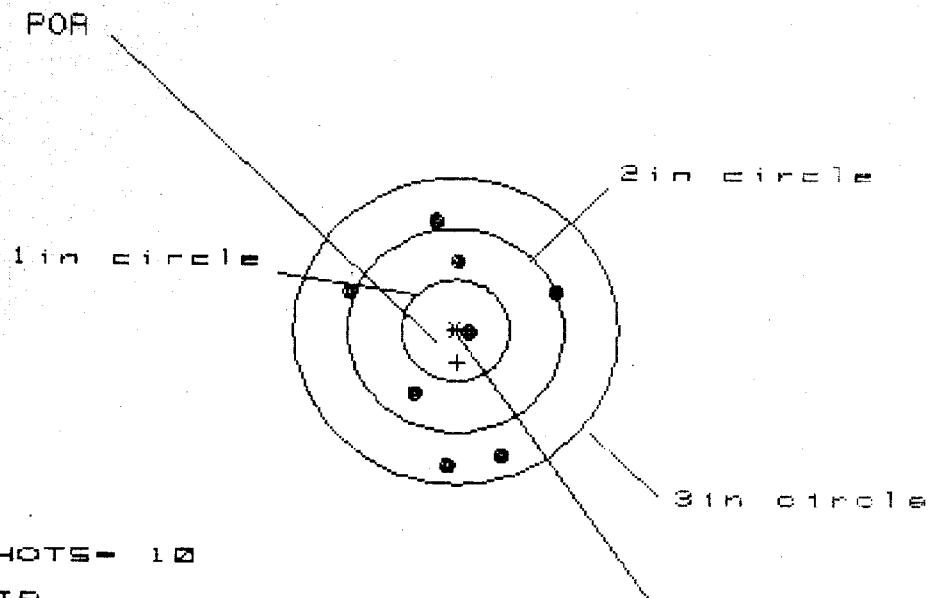
CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.805	.884	.881
MINIMUM X	:	-1.033	-.954	-.957
MAXIMUM Y	:	1.419	1.120	1.143
MINIMUM Y	:	-2.695	-1.317	-1.177
CENTROID X	:	.039	-.040	-.037
CENTROID Y	:	-.223	.076	-.064
POA TO CENTROID in.	:	.227	.086	.074
MIN RADIUS	:	.632	.554	.537
MEAN RADIUS	:	1.220	1.001	.981
MAX RADIUS	:	2.787	1.339	1.248
HORIZONTAL SPREAD	:	1.838	1.838	1.838
VERTICAL SPREAD	:	4.114	2.437	2.320
EXTREME SPREAD	:	4.194	2.447	2.438
NUMBER IN ONE INCH CIRCLE	=	0	0	0
NUMBER IN TWO INCH CIRCLE	=	4	4	4
NUMBER IN THREE INCH CIRCLE	=	9	9	9

13 Aug 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 1.887

VS= 2.397

GS= 2.397

CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.888	.878	.925
MINIMUM X	-.999	-1.009	-.962
MAXIMUM Y	1.045	.895	.726
MINIMUM Y	-1.352	-1.352	-.958
CENTROID X	-.018	-.008	-.055
CENTROID Y	.317	.467	.636
POA TO CENTROID in.	.318	.467	.639
MIN RADIUS	.084	.157	.331
MEAN RADIUS	.801	.727	.634
MAX RADIUS	1.355	1.403	1.003
HORIZONTAL SPREAD	1.887	1.887	1.887
VERTICAL SPREAD	2.397	2.247	1.684
EXTREME SPREAD	2.397	2.305	1.889
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

12 Aug 1991

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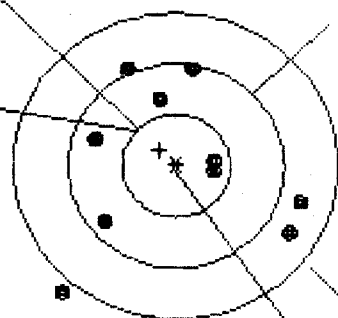
CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.245

VS= 2.189

GS= 2.442

CENTROID *

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.169	1.049	1.167
MINIMUM X	:	-1.076	-.852	-.734
MAXIMUM Y	:	.990	.857	.755
MINIMUM Y	:	-1.199	-.814	-.801
CENTROID X	:	.151	.271	.153
CENTROID Y	:	-.154	-.021	.081
POA TO CENTROID in.	:	.216	.272	.173
MIN RADIUS	:	.315	.192	.340
MEAN RADIUS	:	.912	.803	.741
MAX RADIUS	:	1.611	1.246	1.317
HORIZONTAL SPREAD	:	2.245	1.901	1.901
VERTICAL SPREAD	:	2.189	1.671	1.556
EXTREME SPREAD	:	2.442	2.242	2.104
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

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CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 9

HS= 2.559

VS= 1.910

GS= 2.713

CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.115	.955	.837
MINIMUM X	-1.444	-.940	-.485
MAXIMUM Y	1.192	1.141	.537
MINIMUM Y	-.719	-.769	-.627
CENTROID X	-.009	.151	.269
CENTROID Y	-.020	.030	-.112
POA TO CENTROID in.	.022	.154	.292
MIN RADIUS	.196	.124	.204
MEAN RADIUS	.755	.648	.531
MAX RADIUS	1.514	1.479	.995
HORIZONTAL SPREAD	2.559	1.895	1.322
VERTICAL SPREAD	1.910	1.910	1.164
EXTREME SPREAD	2.713	2.253	1.648
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 3.663

VS= 2.655

GS= 4.322

CENTROID *

PATTERN #

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE

NUMBER IN TWO INCH CIRCLE

NUMBER IN THREE INCH CIRCLE

10

9

8

1.625

.847

.615

-2.038

-1.857

-.967

1.772

1.312

1.272

-.883

-.686

-.726

.079

-.102

.130

.549

.352

.392

.555

.366

.414

.301

.127

.178

1.059

.884

.711

2.405

1.885

1.288

3.663

2.704

1.582

2.655

1.998

1.998

4.322

2.819

2.268

=

2

=

6

=

8