

C6649126

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700™ M24

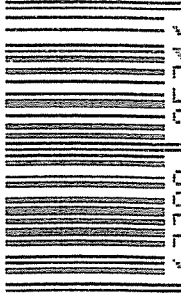
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

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

SERIAL NO. C6649126	ORDER NO. 5716
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UPC



0 47700 25716

MOD. _____ GA. CAL. _____ GUN # 06649126

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st		
		Magazine Spring	AS
	2nd		
	X 8/16	Replaced	X4
	3rd		
	4th		
		FUNCTION	RD 6654 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 #

C6649126

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/26/91	KL
600	Proof		6/26/91	KL
607	Check Headspace		6/26/91	KL
610	Dis-assemble Gun		6/26/91	KL
612	Magnaflux Barrel Action		JUL 1 8 1991	GS
	Magnaflux Bolt		JUL 1 8 1991	GS
615	Rollmark Caliber		JUL 1 8 1991	GS
617	Drill and Tap Sight Holes		JUL 1 8 1991	LB
618	Polish Barrel		JUL 2 0 1991	WB
620	Apply Coatings (Barrel Action)		7-01	KL
	Apply Coating (Bolt)		8	KL
625	Final Assembly A) Clean inside of Bolt Assembly		8/13/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/13/91	KL
	C) Inspect Ejector Hole for Chamfer		8/13/91	KL
	D) Oil Firing Pin Ass'y		8/13/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		8/14/91	WB

op. #	BARBER, M24 0065112 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			8-14-91	QU
	G) Safety Off Force	3	3	3			8-14-91	QU
	H) Trigger Pull Test & Retainability						8/14/91	WB
	I) Firing Pin Indent	.0205	.021	.021			8/14/91	QU
	J) Assemble Stock						8/15/91	KL
	K) Assemble Swivel Studs						8-17-91	DH
	L) Attach Front and Rear Sight Assemblies						8/15/91	KL
	M) Iron Sight Alignment						8/15/91	KL
	N) Detach Front & Rear Sights & place in numbered container						8/15/91	KL
	O) Attach Scope to Rifle						8/15/91	KL
	P) Detach & Attach Scope 20 Times						8/15/91	KL
640	Gallery Target & Test						8-16-91	DH
	A) Time						8-16-91	DH
	B) Malfunctions						8-16-91	DH
	C) Pierced Primers						8-16-91	DH
	D) Optical Clarity of Scope						8-16-91	DH
645	Inspect for Live Ammo						8-16-91	DH
655	Final Inspection							
	A) Headspace						8-17-91	DH
	B) Trigger Pull	2.74	2.69	2.75	2.75	2.78	8-17-91	DH
	C) Function						8-17-91	DH
660	Pack						9-18-91	NF

SWS TRIGGER PULL TEST

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

SERIAL NO. C6649126DATE 8/17/91TESTER WJB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.53	2.51	2.52	2.74	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.53	2.57	2.63	2.69	
PULL #3	2.55	2.52	2.64	2.75	
PULL #4	2.51	2.59	2.61	2.75	
PULL #5	2.51	2.58	2.55	2.78	
TOTAL	12.63	12.87	12.95		
AVG.	2.52	2.55	2.60		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.06		
PULL #2	3.12	3.02		
PULL #3	3.15	3.03		
PULL #4	2.95	3.09		
PULL #5	3.14	3.11		
TOTAL	15.55	15.31		
AVG.	3.11	3.06		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	3.90		4.29
PULL #2	4.18	4.17		4.24
PULL #3	4.18	4.10		4.33
PULL #4	4.14	4.21		4.22
PULL #5	4.23	4.16		4.28
TOTAL	20.95	20.54		21.36
AVG.	4.19	4.11		4.27

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649126
22 Aug 1991

CENTROIDAL DISTANCES

0 TO 1	.561854
1 TO 2	.473203
1 TO 3	.706977
1 TO 4	.436538
1 TO 5	.839288

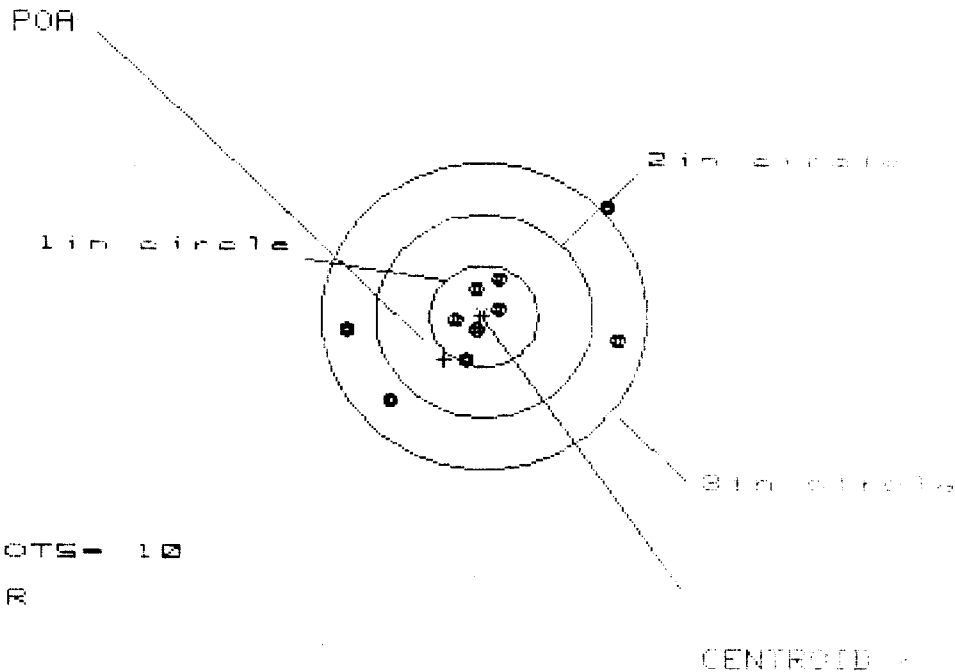
5 ¹/₂ ---- POR

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .10952
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .10404
THE RESULTING AVERAGE POI RADII FOR THIS RIFLE IS: .10241
THE RM FOR THIS RIFLE IS: .8798

22 Aug 1991

FILE: PATTERNING/CENTERFIRE_PATT/C6649126

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in - 6

2 in - 6

3 in - 9

HS - 2.478

VS - 1.876

GS - 2.743

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.218	1.342	1.200
MINIMUM X	-1.260	-1.136	-1.901
MAXIMUM Y	1.037	.499	.494
MINIMUM Y	-.839	-.723	-.728
CENTROID X	.364	.240	.382
CENTROID Y	.428	.312	.317
POA TO CENTROID in.	.562	.394	.496
MIN RADIUS	.158	.070	.087
MEAN RADIUS	.701	.604	.504
MAX RADIUS	1.525	1.345	1.204
HORIZONTAL SPREAD	2.478	2.478	2.101
VERTICAL SPREAD	1.876	1.222	1.222
EXTREME SPREAD	2.743	2.479	2.193
NUMBER IN ONE INCH CIRCLE =	6		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/05545125

CENTERFIRE PATTERNS # 2

POR

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS = 3.053

VS = 1.572

GS = 3.173

CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.395	1.211	.678
MINIMUM X	:	-1.658	-1.281	-1.129
MAXIMUM Y	:	.735	.706	.778
MINIMUM Y	:	-.837	-.866	-.794
CENTROID X	:	.253	.437	.285
CENTROID Y	:	-.032	-.003	-.075
POR TO CENTROID in.	:	.255	.437	.295
MIN RADIUS	:	.103	.212	.122
MEAN RADIUS	:	.824	.700	.629
MAX RADIUS	:	1.678	1.546	1.381
HORIZONTAL SPREAD	:	3.053	2.492	1.807
VERTICAL SPREAD	:	1.572	1.572	1.572
EXTREME SPREAD	:	3.173	2.877	2.395
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

22 Aug 1991

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CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID +

OF SHOTS - 10

IN CIR

1in = 1

2in = 8

3in = 9

HS = 1.925

VS = 2.643

GS = 2.761

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.928	.998	.935
MINIMUM X	:	-.997	-.927	-.802
MAXIMUM Y	:	.984	.800	.712
MINIMUM Y	:	-1.659	-.852	-.940
CENTROID X	:	.108	.039	-.086
CENTROID Y	:	-.231	-.047	.041
POA TO CENTROID in.	:	.255	.061	.095
MIN RADIUS	:	.388	.232	.096
MEAN RADIUS	:	.875	.729	.628
MAX RADIUS	:	1.773	1.220	.954
HORIZONTAL SPREAD	:	1.925	1.925	1.737
VERTICAL SPREAD	:	2.643	1.652	1.652
EXTREME SPREAD	:	2.761	1.998	1.738
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 0

2in = 4

3in = 7

HS = 2.920

VS = 2.582

GS = 3.339

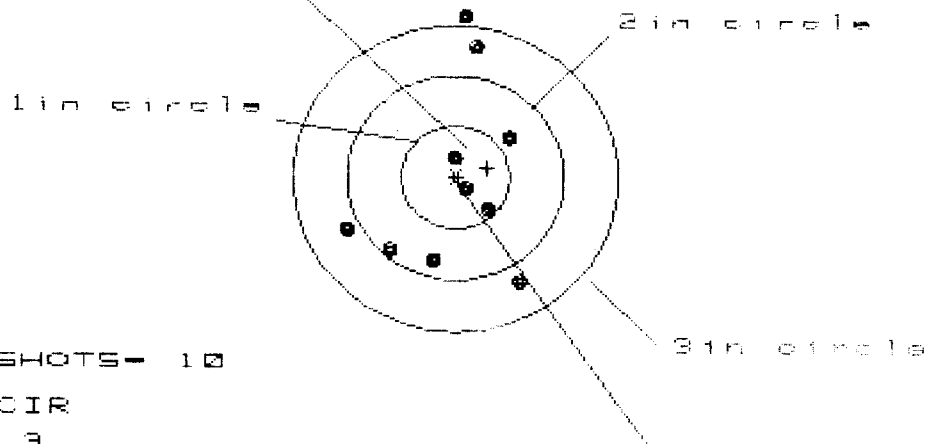
PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.365	1.085	.910
MINIMUM X	-1.555	-1.404	-1.185
MAXIMUM Y	1.314	1.173	1.199
MINIMUM Y	-1.268	-1.215	-1.189
CENTROID X	.045	-.106	.069
CENTROID Y	.130	.271	.345
POA TO CENTROID in.	.138	.291	.254
MIN RADIUS	.570	.645	.648
MEAN RADIUS	1.160	1.085	1.019
MAX RADIUS	1.863	1.419	1.425
HORIZONTAL SPREAD	2.920	2.489	2.015
VERTICAL SPREAD	2.582	2.388	2.308
EXTREME SPREAD	3.339	2.566	2.566
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

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CENTERFIRE PATTERNS # 5

POB



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS = 1.624

VS = 2.553

ES = 2.608

CENTROID +

PATTERN #	:	5		
SHOTS - BEST OF	:	10	9	8
MAXIMUM X	:	.577	.582	.608
MINIMUM X	:	-1.047	-1.042	-1.016
MAXIMUM Y	:	1.549	1.457	.706
MINIMUM Y	:	-1.004	-.832	-.649
CENTROID X	:	-.294	-.299	-.325
CENTROID Y	:	-.093	-.265	-.447
POB TO CENTROID in.	:	.308	.400	.553
MIN RADIUS	:	.145	.165	.303
MEAN RADIUS	:	.839	.747	.658
MAX RADIUS	:	1.550	1.473	1.023
HORIZONTAL SPREAD	:	1.624	1.624	1.674
VERTICAL SPREAD	:	2.553	2.289	1.355
EXTREME SPREAD	:	2.608	2.319	1.798
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	