

C6636266

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington




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

MODEL 700™ M24

SERIAL NO.
C6636266

ORDER NO.
5716

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

LPC

0 47700 25716 2

5716 C6636266

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6636266**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/24/91	Kd
600	Proof		6/24/91	Kd
607	Check Headspace		6/24/91	Kd
610	Dis-assemble Gun		6/24/91	Kd
612	Magnaflux Barrel Action		JUL 1 1991	KR
	Magnaflux Bolt		JUL 1 1991	KR
615	Rollmark Caliber		JUL 1 1991	SS
617	Drill and Tap Sight Holes		JUL 1 1991	LB
618	Polish Barrel		JUL 2 1991	WB
620	Apply Coatings (Barrel Action)		7-23-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/1/91	Kd
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/1/91	Kd
	C) Inspect Ejector Hole for Chamfer		8/1/91	Kd
	D) Oil Firing Pin Ass'y		8/1/91	Kd
	E) Adjust Trigger Pull to Min Setting and Stake		8-2-91	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			8-2-91	SH
	G) Safety Off Force	4	4	4			8-2-91	SH
	H) Trigger Pull Test & Retainability						8-2-91	SH
	I) Firing Pin Indent	10215	10215	10225			8-2-91	SH
	J) Assemble Stock						8/2/91	SH
	K) Assemble Swivel Studs						8-6-91	AC
	L) Attach Front and Rear Sight Assemblies						8/2/91	SH
	M) Iron Sight Alignment						8/2/91	SH
	N) Detach Front & Rear Sights & place in numbered container						8/2/91	SH
	O) Attach Scope to Rifle						8/2/91	SH
	P) Detach & Attach Scope 20 Times						8/2/91	SH
640	Gallery Target & Test						8-5-91	DH
	A) Time						8-5-91	DH
	B) Malfunctions						8-5-91	DH
	C) Pierced Primers						8-5-91	DH
	D) Optical Clarity of Scope						8-5-91	DH
645	Inspect for Live Ammo						8-5-91	DH
655	Final Inspection							
	A) Headspace						8-6-91	AC
	B) Trigger Pull	2.69	2.60	2.70	2.66	2.66	8-5-91	SH
	C) Function						8-6-91	AC
660	Pack						7-17-91	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636266

DATE 8-2-91

TESTER JLP.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.68	2.61	2.60	2.69	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.58	2.58	2.60	
PULL #3	2.63	2.59	2.48	2.70	
PULL #4	2.60	2.65	2.61	2.66	
PULL #5	2.51	2.58	2.65	2.66	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.61	3.44		
PULL #2	3.21	3.42		
PULL #3	3.25	3.40		
PULL #4	3.32	3.33		
PULL #5	3.38	3.30		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.41		4.44
PULL #2	4.43	4.39		4.41
PULL #3	4.37	4.43		4.42
PULL #4	4.35	4.41		4.44
PULL #5	4.36	4.45		4.46
TOTAL				
AVG.				

1. AVERAGE DISTANCE CALCULATIONS

FOR RIFLE # 06636266

DATE 1991

1. AVERAGE DISTANCES

TC	1	.406031
TC	2	.33776
TC	3	.478205
TC	4	.404278
TC	5	.485618

sp
1
3

-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2302

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.29

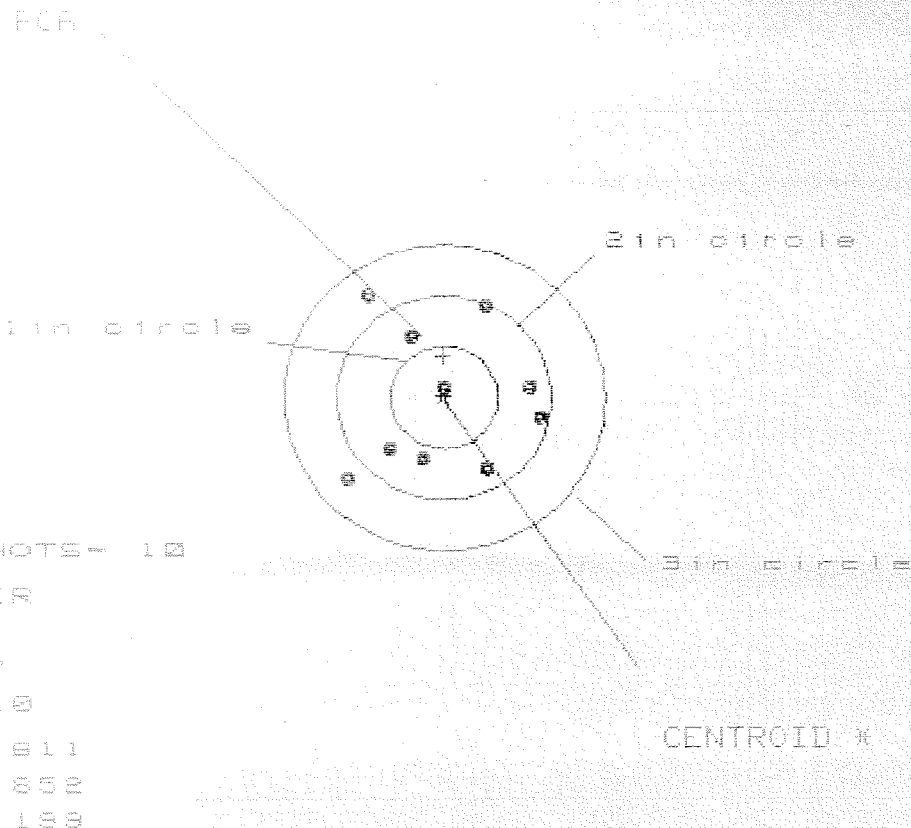
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .370259

THE PMR FOR THIS RIFLE IS: .9092

03.

FILE:/PATTERNING/CENTERFIRE_PATT/C8636266

CENTERFIRE PATTERNS # 1



* OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 10

HE= 1.811

VS= 1.852

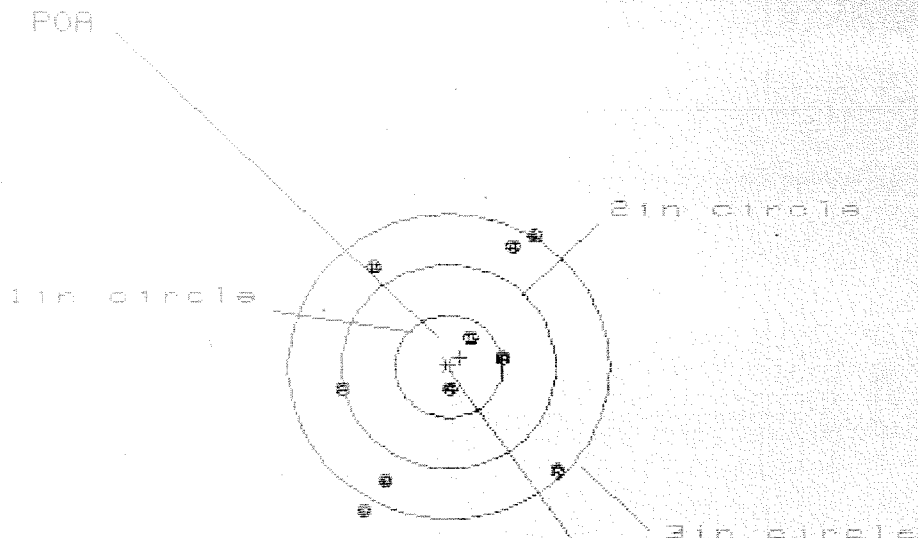
CS= 2.199

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.923	.848	.728
MINIMUM X	:	-.888	-.963	-.676
MAXIMUM Y	:	1.037	1.051	.963
MINIMUM Y	:	-.816	-.700	-.651
CENTROID X	:	.005	.080	.200
CENTROID Y	:	-.406	-.521	-.433
POA TO CENTROID in.	:	.406	.527	.477
MIN RADIUS	:	.094	.222	.232
MEAN RADIUS	:	.805	.753	.694
MAX RADIUS	:	1.236	1.191	.994
HORIZONTAL SPREAD	:	1.811	1.811	1.404
VERTICAL SPREAD	:	1.852	1.751	1.614
EXTREME SPREAD	:	2.199	2.199	1.687
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

5 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B36266

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 2.007

VS= 2.659

CS= 3.100

CENTROID #

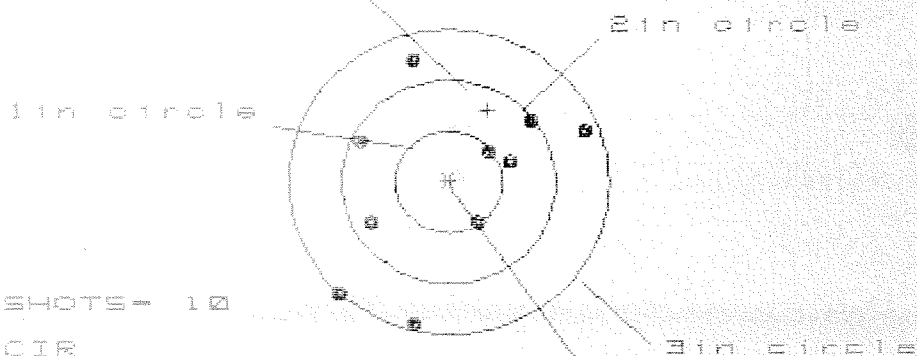
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.042	.951	1.037
MINIMUM X	-.965	-1.056	-.970
MAXIMUM Y	1.252	1.096	1.187
MINIMUM Y	-1.407	-1.219	-1.082
CENTROID X	-.106	-.015	-.101
CENTROID Y	-.087	.069	-.068
POA TO CENTROID in.	.137	.071	.121
MIN RADIUS	.172	.179	.192
MEAN RADIUS	1.043	.961	.916
MAX RADIUS	1.627	1.486	1.443
HORIZONTAL SPREAD	2.007	2.007	2.007
VERTICAL SPREAD	2.659	2.315	2.269
EXTREME SPREAD	3.100	2.714	2.675
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	

5 Aug 1991

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CENTERFIRE PATTERNS # 3

POA



HE= 2.318
VS= 2.688
CS= 2.825

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.272	1.156	1.104
MINIMUM X	-1.046	-.950	-1.002
MAXIMUM Y	1.251	1.133	.940
MINIMUM Y	-1.429	-1.547	-1.738
CENTROID X	-.369	-.253	-.201
CENTROID Y	-.704	-.586	-.393
POA TO CENTROID in.	.795	.638	.441
MIN RADIUS	.476	.310	.159
MEAN RADIUS	.994	.910	.792
MAX RADIUS	1.490	1.603	1.130
HORIZONTAL SPREAD	2.318	2.106	2.106
VERTICAL SPREAD	2.688	2.688	1.678
EXTREME SPREAD	2.825	2.681	2.192
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

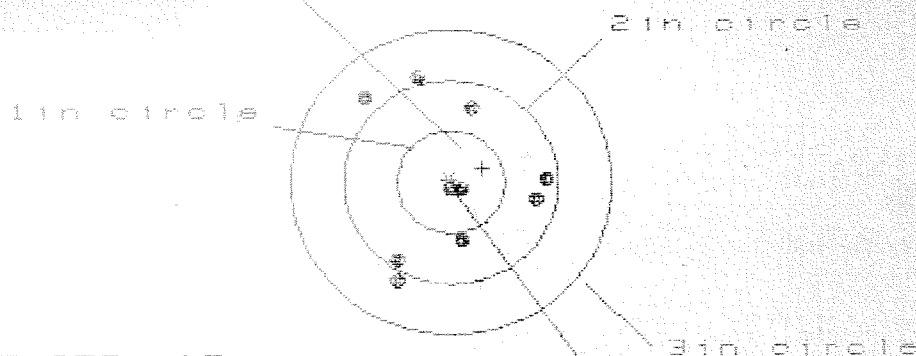
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CENTERFIRE PATTERNS

4

POA



OF SHOTS - 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.552

VS= 1.943

GS= 1.952

CENTROID *

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.905

.821

.747

MINIMUM X

-.757

-.624

-.698

MAXIMUM Y

1.008

1.097

.992

MINIMUM Y

-.935

-.846

-.827

CENTROID X

-.295

-.211

-.137

CENTROID Y

-.135

-.224

-.118

POA TO CENTROID in.

.325

.308

.181

MIN RADIUS

.056

.039

.116

MEAN RADIUS

.751

.692

.658

MAX RADIUS

1.105

1.171

1.103

HORIZONTAL SPREAD

1.662

1.445

1.445

VERTICAL SPREAD

1.943

1.943

1.818

EXTREME SPREAD

1.952

1.952

1.831

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

10

5 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B36266

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 8

CENTROID *

HS = 1.990

VS = 2.979

GS = 3.022

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.893	.840	.838
MINIMUM X	-1.097	-1.150	-1.152
MAXIMUM Y	1.320	1.136	.669
MINIMUM Y	-1.659	-1.204	-1.063
CENTROID X	-.386	-.333	-.331
CENTROID Y	-.118	.066	-.075
POA TO CENTROID in.	.404	.340	.340
MIN RADIUS	.172	.296	.165
MEAN RADIUS	.953	.860	.883
MAX RADIUS	1.725	1.247	1.296
HORIZONTAL SPREAD	1.990	1.990	1.990
VERTICAL SPREAD	2.979	2.340	1.732
EXTREME SPREAD	3.022	2.365	2.218
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		