

C6648986

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington®

MODEL 700™ M24

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

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

SERIAL NO.
C6648986

ORDER NO.
5716

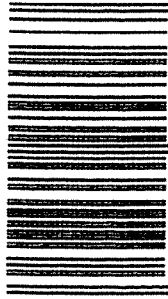
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

Q/S



5716 C6648986

UPC



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6648986

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		7/24/91	KH
600	Proof		7/24/91	KH
607	Check Headspace		7/24/91	KH
610	Dis-assemble Gun		7/24/91	KH
612	Magnaflux Barrel Action		AUG 7 1991	KR
	Magnaflux Bolt		AUG 7 1991	KR
615	Rollmark Caliber		AUG 7 1991	GA
617	Drill and Tap Sight Holes		AUG 7 1991	LB
618	Polish Barrel		AUG 13 1991	WB
620	Apply Coatings (Barrel Action)		8-27-91	LB
	Apply Coating (Bolt)			LB
625	Final Assembly A) Clean inside of Bolt Assembly		9/4/91	KH
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/4/91	KH
	C) Inspect Ejector Hole for Chamfer		9/4/91	KH
	D) Oil Firing Pin Ass'y		9/4/91	KH
	E) Adjust Trigger Pull to Min Setting and Stake		9/17/91	KH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			9/7/91	JH
	G) Safety Off Force	4	4	4			9/7/91	JH
	H) Trigger Pull Test & Retainability						9/7/91	JH
	I) Firing Pin Indent	.022	.022	.022			9/7/91	JH
	J) Assemble Stock						9/9/91	JH
	K) Assemble Swivel Studs						9/12/91	JH
	L) Attach Front and Rear Sight Assemblies						9/9/91	JH
	M) Iron Sight Alignment						9/9/91	JH
	N) Detach Front & Rear Sights & place in numbered container						9/9/91	JH
	O) Attach Scope to Rifle						9/9/91	JH
	P) Detach & Attach Scope 20 Times						9/9/91	JH
640	Gallery Target & Test						9-10-91	DH
	A) Time						9-10-91	DH
	B) Malfunctions						9-10-91	DH
	C) Pierced Primers						9-10-91	DH
	D) Optical Clarity of Scope						9-10-91	DH
645	Inspect for Live Ammo						9-10-91	DH
655	Final Inspection							
	A) Headspace						9/12/91	JH
	B) Trigger Pull	2.73	2.68	2.71	2.71	2.71	9-11-91	DH
	C) Function						9/11/91	JH
660	Pack						9-11-91	JH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50#+.50#

3.00#+.75#

4.00#+1.00#

SERIAL NO C-6648986

DATE 9-7-91

TESTER JM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.59	2.58	2.59	273	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.62	2.65	2.55	268	
PULL #3	2.51	2.47	2.45	271	
PULL #4	2.52	2.65	2.59	271	
PULL #5	2.56	2.60	2.65	271	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.40	3.34		
PULL #2	3.33	3.44		
PULL #3	3.38	3.33		
PULL #4	3.39	3.28		
PULL #5	3.40	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	4.40	4.30		4.39
PULL #2	4.42	4.31		4.24
PULL #3	4.30	4.32		4.31
PULL #4	4.35	4.26		4.26
PULL #5	4.20	4.31		4.20
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6648986
10 Sep 1991

CENTROIDAL DISTANCES

0 TO	1	.446287
1 TO	2	.197162
1 TO	3	.558656
1 TO	4	.702157
1 TO	5	.62021

34
1+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1559
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1078
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .189459

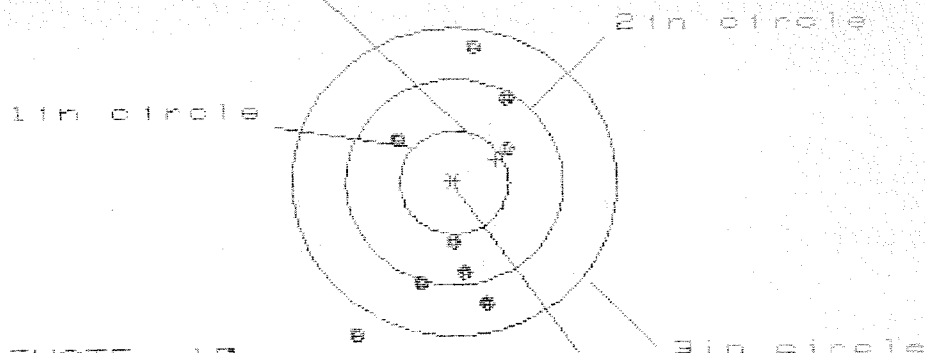
THE AMR FOR THIS RIFLE IS: .95

18 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C664B966

CENTERFIRE PATTERNS # 1

POB



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS= 1.438

VS= 3.789

GS= 3.917

CENTROID #

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.511

.548

.437

MINIMUM X

-.927

-.890

-.635

MAXIMUM Y

2.199

1.613

1.455

MINIMUM Y

-1.510

-1.266

-1.123

CENTROID X

-.386

-.423

-.312

CENTROID Y

-.224

-.468

-.310

POB TO CENTROID in.

.446

.631

.440

MIN RADIUS

.558

.313

.482

MEAN RADIUS

1.128

.966

.900

MAX RADIUS

2.224

1.629

1.460

HORIZONTAL SPREAD

1.438

1.438

1.072

VERTICAL SPREAD

3.789

2.879

2.578

EXTREME SPREAD

3.917

3.087

2.580

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

5

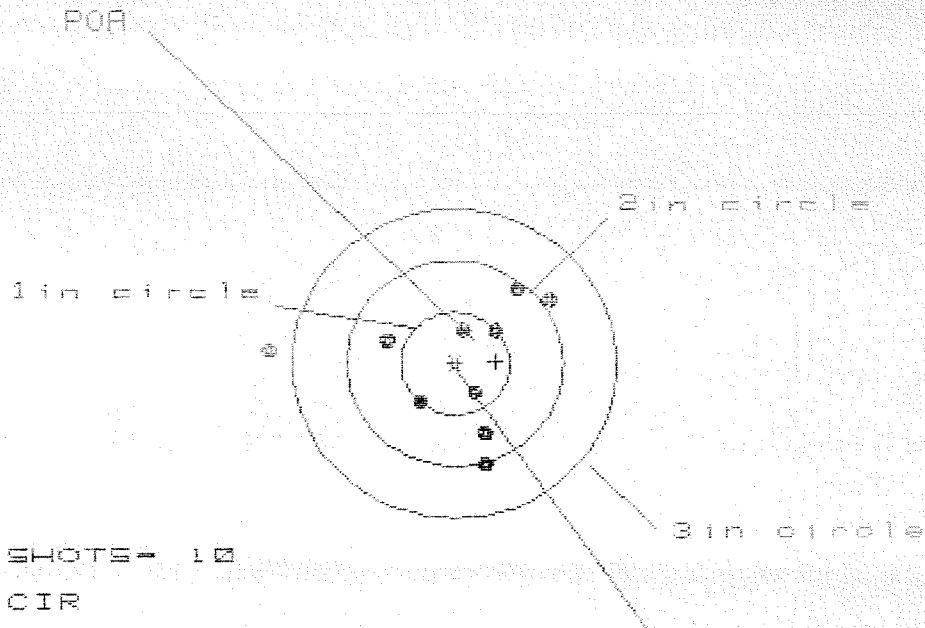
NUMBER IN THREE INCH CIRCLE =

8

10 Sep 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 8

3 in = 9

HS= 2.586

VS= 1.652

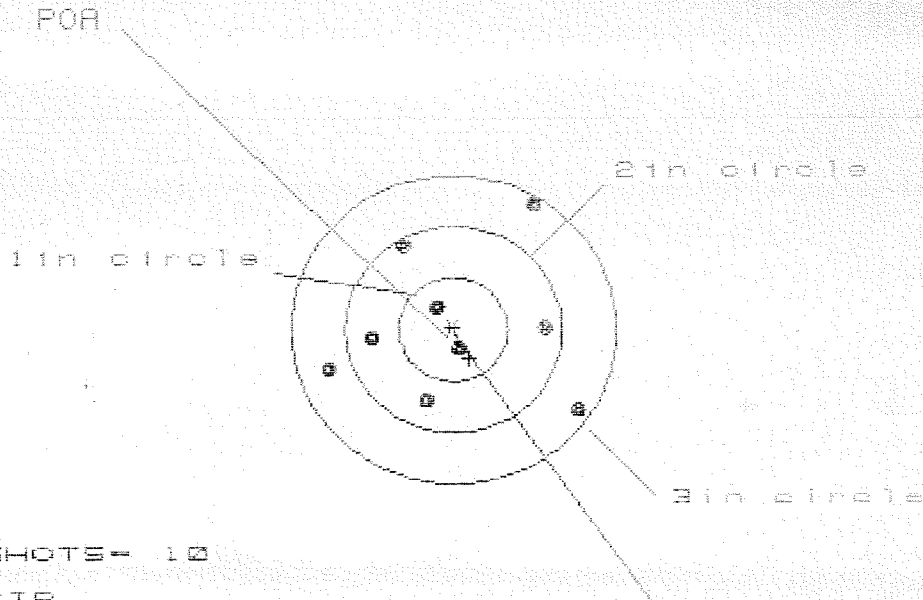
GS= 2.627

PATTERN #	2	10	9	8
SHOTS (BEST OF)	10	9	8	
MAXIMUM X	.852	.670	.436	
MINIMUM X	-1.724	-.803	-.719	
MAXIMUM Y	.704	.717	.791	
MINIMUM Y	-.948	-.935	-.861	
CENTROID X	-.378	-.186	-.270	
CENTROID Y	-.027	-.040	-.114	
POA TO CENTROID in.	.379	.191	.293	
MIN RADIUS	.285	.235	.192	
MEAN RADIUS	.758	.628	.587	
MAX RADIUS	1.728	.941	.903	
HORIZONTAL SPREAD	2.586	1.473	1.155	
VERTICAL SPREAD	1.652	1.652	1.652	
EXTREME SPREAD	2.627	1.670	1.670	
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	9		

18 Sep 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 2.259

VS= 1.928

GS= 2.397

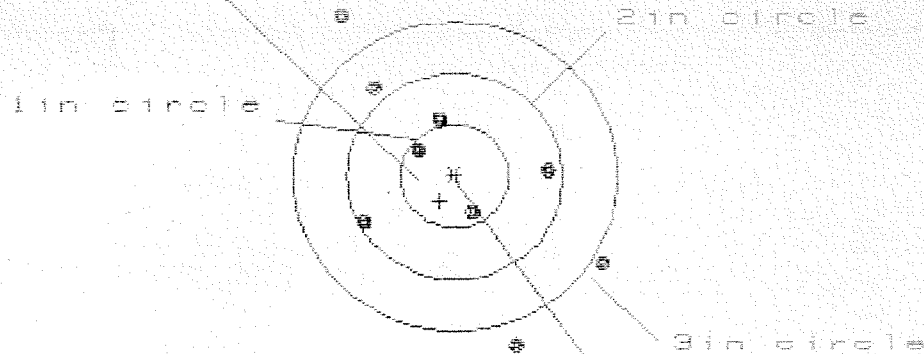
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.141	1.222	1.077
MINIMUM X	-1.118	-1.037	-.885
MAXIMUM Y	1.172	.915	.837
MINIMUM Y	-.756	-.626	-.626
CENTROID X	-.145	-.236	-.378
CENTROID Y	.288	.150	.228
POA TO CENTROID in.	.315	.271	.442
MIN RADIUS	.140	.098	.258
MEAN RADIUS	.782	.692	.613
MAX RADIUS	1.388	1.372	1.088
HORIZONTAL SPREAD	2.259	2.259	1.962
VERTICAL SPREAD	1.928	1.541	1.463
EXTREME SPREAD	2.397	2.294	1.998
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

10 Sep 1991

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CENTERFIRE PATTERNS # 4

POA



OF SHOTS = 9

IN CIR

1in = 2

2in = 5

3in = 6

HS = 2.425

VS = 3.252

GS = 3.624

CENTROID *

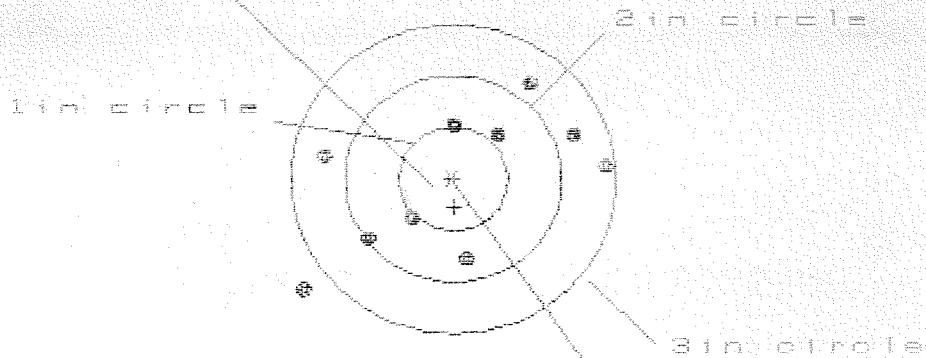
PATTERN #	4	7	8	9
SHOTS (BEST OF)	7	8	9	9
MAXIMUM X	1.337	1.273	1.401	1.401
MINIMUM X	-.927	-.991	-1.024	-1.024
MAXIMUM Y	.867	1.016	1.594	1.594
MINIMUM Y	-.877	-1.458	-1.658	-1.658
CENTROID X	.205	.269	.141	.141
CENTROID Y	.249	.040	.240	.240
POA TO CENTROID in.	.322	.272	.278	.278
MIN RADIUS	.371	.154	.390	.390
MEAN RADIUS	.856	.963	1.069	1.069
MAX RADIUS	1.599	1.525	1.895	1.895
HORIZONTAL SPREAD	2.264	2.264	2.425	2.425
VERTICAL SPREAD	1.684	2.474	3.252	3.252
EXTREME SPREAD	2.712	2.795	3.624	3.624
NUMBER IN ONE INCH CIRCLE =	2	2	2	2
NUMBER IN TWO INCH CIRCLE =	5	5	5	5
NUMBER IN THREE INCH CIRCLE =	6	6	6	6

10 Sep 1991

FILE://PATTERNING/CENTERFIRE_PATT/C6B469B6

CENTERFIRE PATTERNS # 5

FOR



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.821

VS= 2.061

GS= 3.057

CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.384	1.224	1.103
MINIMUM X	-1.437	-1.302	-1.149
MAXIMUM Y	.970	.848	.844
MINIMUM Y	-1.091	-.851	-.855
CENTROID X	-.011	.149	-.004
CENTROID Y	.270	.392	.396
POR TO CENTROID (in.)	.271	.419	.396
MIN RADIUS	.493	.407	.367
MEAN RADIUS	1.013	.907	.858
MAX RADIUS	1.805	1.385	1.153
HORIZONTAL SPREAD	2.821	2.526	2.252
VERTICAL SPREAD	2.061	1.699	1.699
EXTREME SPREAD	3.057	2.529	2.265
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	