

C6349043

MODEL 700™ M24

Model **SMS**™

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™ H24		SERIAL NO. C6349043
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		ORDER NO. 5716



5716 C6349043



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349043

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	1 30 90	RW
600	Proof		1 30 90	K
607	Check Headspace		1 30 90	K
610	Dis-assemble Gun		1 30 90	RW
612	Magnaflux Barrel Action		2-5-90	KER
	Magnaflux Bolt		2-5-90	
615	Rollmark Caliber		2-5-90	CS
617	Drill and Tap Sight Holes		2-5-90	FB
618	Polish Barrel RB		2-5-90	WB
620	Apply Coatings (Barrel Action)		2-17-90	JA
	Apply Coating (Bolt)			
625	Final Assembly		4/19/90	WB
	A) Clean inside of Bolt Assembly		4/19/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/18/90	RW
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	JK
	E) Adjust Trigger Pull to Min Setting and Stake		4/18/90	JK

BARBER - M24 0106524		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	4	4	4			4/19/90	RL
	G) Safety Off Force	3	3	3			4/19/90	RL
	H) Trigger Pull Test & Retainability						4/19/90	RL
	I) Firing Pin Indent	1021	1022	10225			4/19/90	RL
	J) Assemble Stock						4/19/90	RL
	K) Assemble Swivel Studs						5/8/90	WB
	L) Attach Front and Rear Sight Assemblies						4/19/90	RL
	M) Iron Sight Alignment						4/19/90	RL
	N) Detach Front & Rear Sights & place in numbered container						4/19/90	RL
	O) Attach Scope to Rifle						4/20/90	RL
	P) Detach & Attach Scope 20 Times						4/20/90	RL
640	Gallery Target & Test						4-20-90	AC
	A) Time						4-20-90	AC
	B) Malfunctions						4-20-90	AC
	C) Pierced Primers						4-20-90	AC
	D) Optical Clarity of Scope						4-20-90	AC
645	Inspect for Live Ammo						4-20-90	AC
655	Final Inspection						5/8/90	WB
	A) Headspace							
	B) Trigger Pull	2.33	2.30	2.29	2.31	2.32	5/7/90	WB
	C) Function						5/8/90	WB
660	Pack						6-19-90	D/H

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CL349043

DATE 4/18/90

TESTER JD

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.48	2.50	2.33	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.46	2.45	2.30	
PULL #3	2.54	2.51	2.43	2.29	
PULL #4	2.52	2.47	2.31	2.31	
PULL #5	2.52	2.55	2.40	2.32	
TOTAL	12.57	12.47	12.09		
AVG.	2.514	2.494	2.418		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.49		
PULL #2	3.49	3.50		
PULL #3	3.46	3.46		
PULL #4	3.34	3.33		
PULL #5	3.47	3.50		
TOTAL	17.20	17.25		
AVG.	3.44	3.45		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.31	4.13		4.41
PULL #2	4.28	4.21		4.43
PULL #3	4.21	4.15		4.43
PULL #4	4.21	4.19		4.38
PULL #5	4.20	4.18		4.43
TOTAL	21.21	20.86		22.08
AVG.	4.242	4.172		4.416

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349043
20 Apr 1990

CENTROIDAL DISTANCES

0 TO	1	.0465298
1 TO	2	.469013
1 TO	3	.428551
1 TO	4	.460196
1 TO	5	.200125

30
40

<----PDR

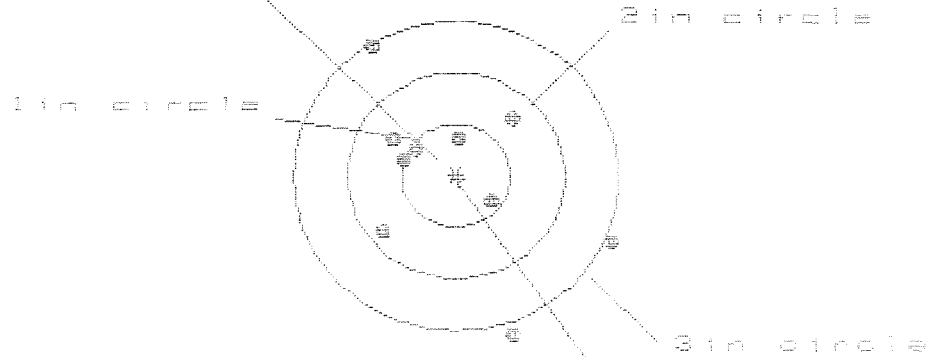
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0124
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3312
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .331432
THE AMP FOR THIS RIFLE IS: .8384

28 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349043

CENTERFIRE PATTERNS # 1

POB



→ OF SHOTS- 10

IN CIR

1 in = 4

2 in = 7

3 in = 8

MEAN = 2.131

SE = 3.625

CS = 3.098

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.398	1.458	.792
MINIMUM X	-.733	-.673	-.491
MAXIMUM Y	1.306	1.138	1.036
MINIMUM Y	-1.519	-.817	-.849
CENTROID X	-.022	-.082	-.264
CENTROID Y	.041	.209	.311
POB TO CENTROID in.	.046	.225	.408
MIN RADIUS	.338	.198	.169
MEAN RADIUS	.867	.745	.587
MAX RADIUS	1.611	1.671	1.146
HORIZONTAL SPREAD	2.131	2.131	1.283
VERTICAL SPREAD	2.025	1.955	1.084
EXTREME SPREAD	3.098	2.892	1.884
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

28 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08348643

CENTERFIRE PATTERNS

2

POR

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

ME = 3.046

MS = 2.196

ES = 3.683

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.194

.989

1.071

MINIMUM X

-1.852

-1.414

-1.291

MAXIMUM Y

.980

.845

.935

MINIMUM Y

-1.216

-1.069

-.979

CENTROID X

.120

.325

.282

CENTROID Y

.488

.623

.532

POR TO CENTROID in.

.502

.703

.570

MIN RADIUS

.317

.146

.232

MEAN RADIUS

1.069

.900

.863

MAX RADIUS

2.215

1.470

1.381

HORIZONTAL SPREAD

3.046

2.403

2.362

VERTICAL SPREAD

2.196

1.914

1.914

EXTREME SPREAD

3.683

2.533

2.395

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

4

NUMBER IN THREE INCH CIRCLE =

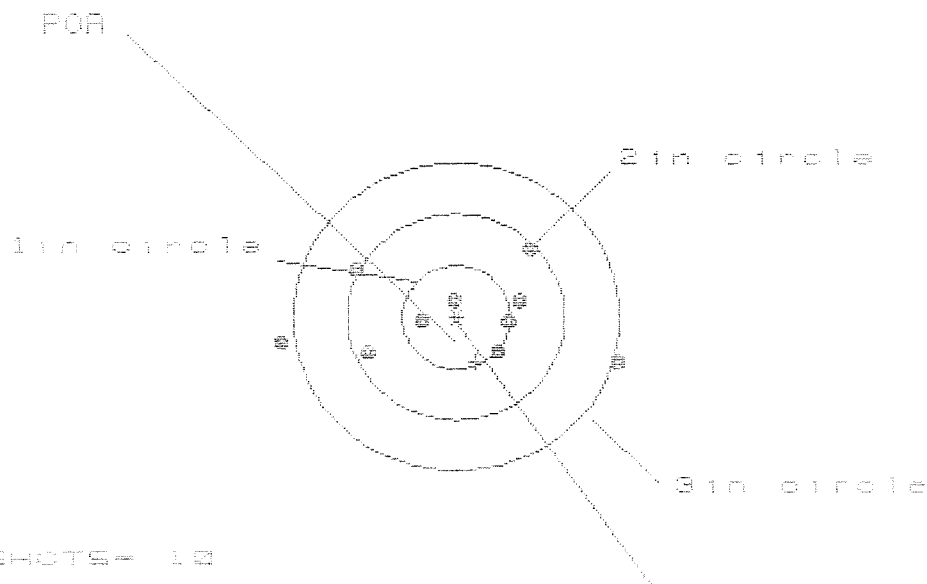
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CENTERFIRE PATTERNS

3



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 7

3 in = 8

HE = 2.061

VE = 1.140

LE = 2.067

CENTROID #

PATTERN #

:

3

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.467

1.290

.696

MINIMUM X

:

-1.594

-1.134

-.973

MAXIMUM Y

:

.664

.634

.571

MINIMUM Y

:

-.475

-.506

-.421

CENTROID X

:

-.183

-.086

-.167

CENTROID Y

:

.436

.467

.636

POA TO CENTROID IN.

:

.473

.467

.556

DIP RADIUS

:

.203

.249

.118

MEAN RADIUS

:

.813

.704

.614

MAX RADIUS

:

1.618

1.386

1.034

HORIZONTAL SPREAD

:

3.061

2.424

1.669

VERTICAL SPREAD

:

1.140

1.140

.992

EXTREME SPREAD

:

3.067

2.592

1.778

NUMBER IN ONE INCH CIRCLE =

4

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

8

28 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349043

CENTERFIRE PATTERNS

4

POR

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

ME = 1.780

SE = 2.493

ES = 3.588

CENTROID *

PATTERN #

:

4

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

.973

1.030

.626

MINIMUM X

:

-.813

-.766

-.639

MAXIMUM Y

:

.971

.801

.709

MINIMUM Y

:

-1.522

-1.743

-1.678

CENTROID X

:

.040

-.007

-.134

CENTROID Y

:

.497

.667

.759

POR TO CENTROID in:

:

.499

.667

.771

MIN RADIUS

:

.275

.206

.072

MEAN RADIUS

:

.745

.686

.502

MAX RADIUS

:

1.580

1.261

.759

HORIZONTAL SPREAD

:

1.786

1.786

1.265

VERTICAL SPREAD

:

2.493

1.544

1.387

EXTREME SPREAD

:

2.588

1.983

1.388

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

9

28 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349043

CENTERFIRE PATTERNS

5

POR

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

CS= 2.327

VS= 1.074

GS= 2.383

CENTROID *

PATTERN #	1	5	9	8
SHOTS (BEST OF)	10			
MAXIMUM X	1.076		.937	.768
MINIMUM X	-1.251		-.641	-.524
MAXIMUM Y	.551		.574	.537
MINIMUM Y	-.523		-.500	-.537
CENTROID X	.107		.246	.129
CENTROID Y	.194		.171	.200
POR TO CENTROID in.	.221		.300	.245
MIN RADIUS	.199		.249	.220
MEAN RADIUS	.658		.585	.525
MAX RADIUS	1.267		.982	.937
HORIZONTAL SPREAD	2.327		1.578	1.292
VERTICAL SPREAD	1.074		1.074	1.074
EXTREME SPREAD	2.383		1.702	1.560
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			10	