

C6498755

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

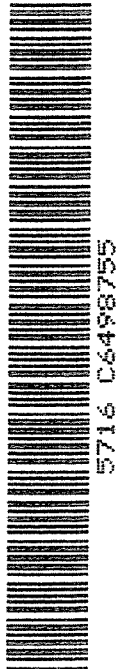
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ H24

SERIAL NO.
C6498755

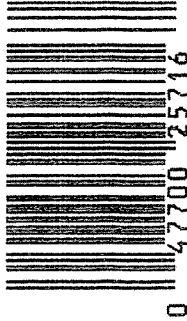
ORDER NO.
5716

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



5716 C6498755

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

297
CG498755

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9	90	RW
600	Proof	5 9	90	RW
607	Check Headspace	5 9	90	RW
610	Dis-assemble Gun	5 9	90	RW
612	Magnaflux Barrel Action	5-15-90		KCB
	Magnaflux Bolt	5-15-90		KCB
615	Rollmark Caliber	5-15-9		GS
617	Drill and Tap Sight Holes		5/17/90	LB
618	Polish Barrel RB		5/17/90	LB
620	Apply Coatings (Barrel Action)		5-15-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/25/90	RW
	C) Inspect Ejector Hole for Chamfer		5/25/90	RW
	D) Oil Firing Pin Ass'y		5/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/31/90	M

BARBER - M24 0007083		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4			5/31/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			5/31/90	WB
	H) Trigger Pull Test & Retainability						5/31/90	JH
	I) Firing Pin Indent	.0745	.0237	.024			5/31/90	WB
	J) Assemble Stock						6/1/90	RW
	K) Assemble Swivel Studs						6-13-90	JH
	L) Attach Front and Rear Sight Assemblies						6/1/90	RW
	M) Iron Sight Alignment						6/1/90	RW
	N) Detach Front & Rear Sights & place in numbered container						6/1/90	RW
	O) Attach Scope to Rifle						6/1/90	WB
	P) Detach & Attach Scope 20 Times						6/1/90	WB
640	Gallery Target & Test						6-4-90	#
	A) Time						11	#
	B) Malfunctions						11	#
	C) Pierced Primers						11	#
	D) Optical Clarity of Scope						11	#
645	Inspect for Live Ammo						6-4-90	#
655	Final Inspection							
	A) Headspace						6-13-90	JH
	B) Trigger Pull	2.74	2.67	2.63	2.60	2.61	6-13-90	JH
	C) Function						6-13-90	JH
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. C6498753DATE 5/31/90TESTER gpc

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.41	2.48	2.76	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.43	2.41	2.67	
PULL #3	2.46	2.47	2.39	2.63	
PULL #4	2.49	2.46	2.41	2.60	
PULL #5	2.41	2.44	2.38	2.61	
TOTAL	12.34	12.21	12.09		
AVG.	2.468	2.442	2.418		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.14	3.37		
PULL #2	3.13	3.37		
PULL #3	3.18	3.39		
PULL #4	3.35	3.50		
PULL #5	3.48	3.24		
TOTAL	16.28	16.87		
AVG.	3.256	3.374		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.36		4.33
PULL #2	4.34	4.34		4.33
PULL #3	4.30	4.33		4.35
PULL #4	4.27	4.30		4.30
PULL #5	4.30	4.29		4.35
TOTAL	21.62	21.68		21.66
AVG.	4.324	4.322		4.332

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06498755
6 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.361581
1 TO	2	.162
1 TO	3	.649038
1 TO	4	.737473
1 TO	5	.523321

$\frac{3}{12} \times 54$ (----POA

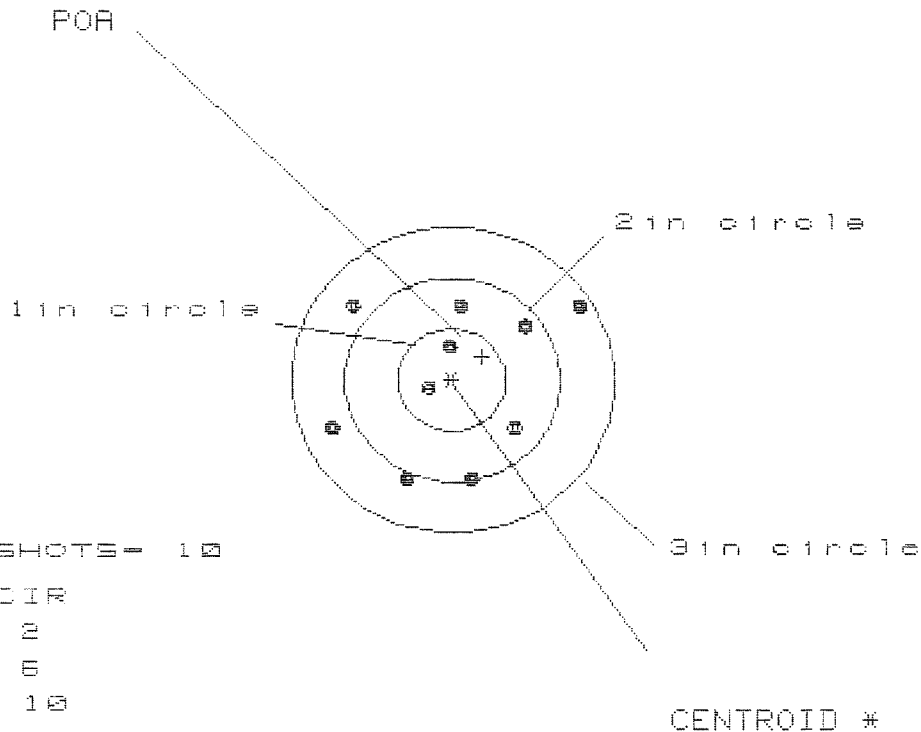
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0742
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0582
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0943021

THE AMR FOR THIS RIFLE IS: .8308

5 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498755

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS = 2.314

VS = 1.718

GS = 2.609

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.222

.791

.671

MINIMUM X

-1.092

-.956

-.877

MAXIMUM Y

.734

.802

.754

MINIMUM Y

-.984

-.903

-.952

CENTROID X

-.279

-.415

-.295

CENTROID Y

-.230

-.311

-.263

POA TO CENTROID in.

.362

.519

.395

MIN RADIUS

.257

.116

.235

MEAN RADIUS

.855

.783

.744

MAX RADIUS

1.425

1.077

1.133

HORIZONTAL SPREAD

2.314

1.747

1.548

VERTICAL SPREAD

1.718

1.705

1.705

EXTREME SPREAD

2.609

2.005

1.936

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

6

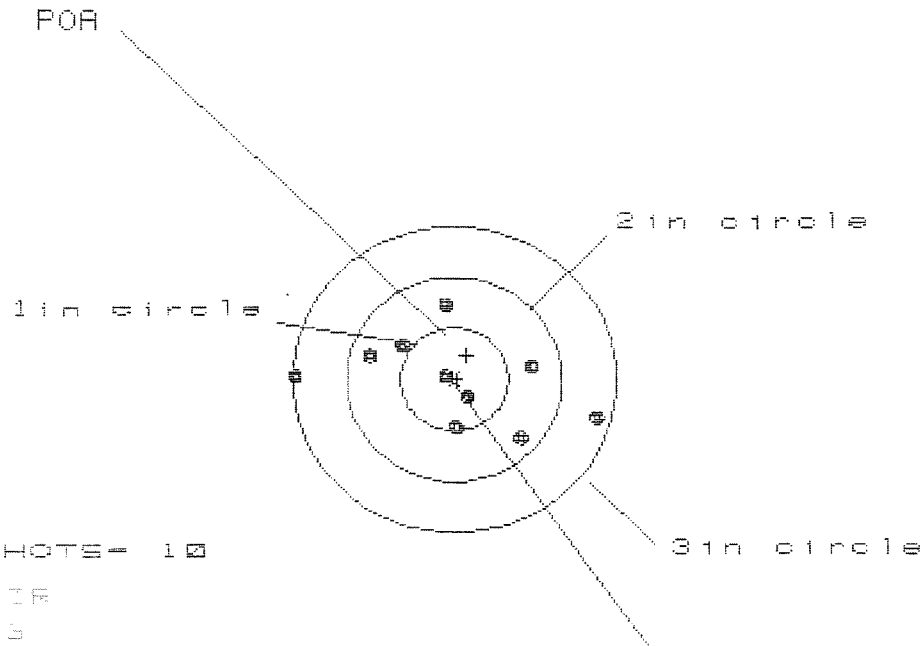
NUMBER IN THREE INCH CIRCLE =

10

5 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498755

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 3

2in = 8

3in = 10

HS = 2.782

VS = 1.249

GS = 2.810

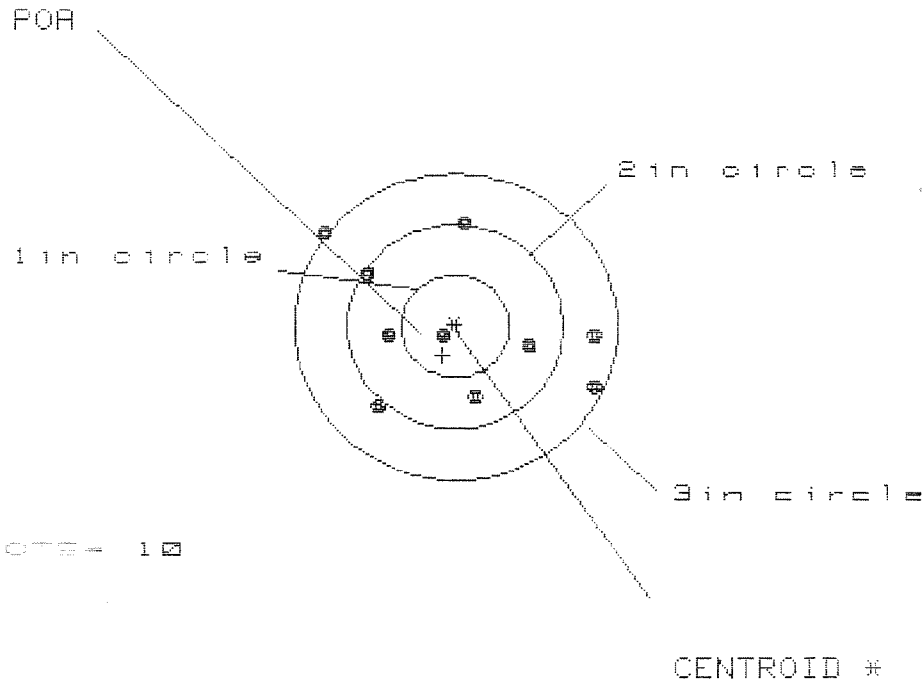
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.344	1.184	.737
MINIMUM X	:	-1.438	-.988	-.840
MAXIMUM Y	:	.692	.698	.656
MINIMUM Y	:	-.557	-.551	-.593
CENTROID X	:	-.117	.043	-.105
CENTROID Y	:	-.230	-.236	-.194
POA TO CENTROID in.	:	.258	.240	.221
MIN RADIUS	:	.059	.148	.068
MEAN RADIUS	:	.718	.647	.548
MAX RADIUS	:	1.439	1.231	.870
HORIZONTAL SPREAD	:	2.782	2.172	1.577
VERTICAL SPREAD	:	1.249	1.249	1.249
EXTREME SPREAD	:	2.810	2.249	1.678
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498755

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN

1in =

2in =

3in = 10

HS = 2.426

VS = 1.797

GS = 2.856

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.259	1.129	1.257
MINIMUM X	-1.167	-.968	-.827
MAXIMUM Y	1.046	1.147	1.085
MINIMUM Y	-.751	-.650	-.712
CENTROID X	.116	.246	.105
CENTROID Y	.285	.184	.246
POA TO CENTROID in.	.308	.307	.267
MIN RADIUS	.123	.244	.100
MEAN RADIUS	.933	.869	.801
MAX RADIUS	1.480	1.233	1.258
HORIZONTAL SPREAD	2.426	2.097	2.084
VERTICAL SPREAD	1.797	1.797	1.797
EXTREME SPREAD	2.856	2.358	2.159
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

5 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8498755

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN

1in =

2in =

3in = 1

HS= 2.284

VS= 2.078

GS= 2.314

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.899	.745	.824
MINIMUM X	:	-1.385	-.690	-.611
MAXIMUM Y	:	.950	.965	.458
MINIMUM Y	:	-1.128	-1.113	-.993
CENTROID X	:	.442	.596	.517
CENTROID Y	:	-.075	-.090	-.210
POA TO CENTROID IN.	:	.448	.602	.558
MIN RADIUS	:	.259	.222	.179
MEAN RADIUS	:	.713	.631	.560
MAX RADIUS	:	1.391	1.151	.993
HORIZONTAL SPREAD	:	2.284	1.435	1.435
VERTICAL SPREAD	:	2.078	2.078	1.451
EXTREME SPREAD	:	2.314	2.201	1.490
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Jun 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C649B755

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN C.

1in = 0

2in = 7

3in = 8

HS = 1.8888

VS = 2.601

GS = 2.627

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.813	.809	.695
MINIMUM X	-.825	-.829	-.728
MAXIMUM Y	1.569	.997	.920
MINIMUM Y	-1.032	-.857	-.934
CENTROID X	.209	.213	.112
CENTROID Y	-.041	-.215	-.138
POA TO CENTROID in.	.213	.302	.177
MIN RADIUS	.520	.377	.391
MEAN RADIUS	.935	.848	.816
MAX RADIUS	1.570	1.018	1.027
HORIZONTAL SPREAD	1.638	1.638	1.423
VERTICAL SPREAD	2.601	1.854	1.854
EXTREME SPREAD	2.627	1.896	1.896
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	