

C6587515

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



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

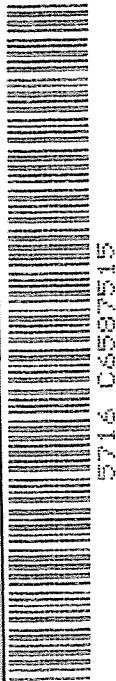
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ H24

SERIAL NO.
06587515

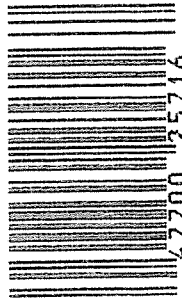
ORDER NO.
5716

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



5716 06587515

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587515

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1023	90	RW
600	Proof	1023	90	RW
607	Check Headspace			RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action		10/21/90	BF
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	Y/L
617	Drill and Tap Sight Holes		10/23/90	F13
618	Polish Barrel RB		10/26/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	TH
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		11/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/12/90	RW
	C) Inspect Ejector Hole for Chamfer		11/12/90	RW
	D) Oil Firing Pin Ass'y		11/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/12/90	RW

1-21-91 JLF

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	6	6	6	11/21/90	CWB		
	G) Safety Off Force	3	3	3	11/21/90	CWB		
	H) Trigger Pull Test & Retainability				11/21/90 11/29/90	CWB RW		
	I) Firing Pin Indent	.022	.022	.022	11/21/90	CWB		
	J) Assemble Stock				11/29/90	RW		
	K) Assemble Swivel Studs				12-1-90	JS		
	L) Attach Front and Rear Sight Assemblies				11/29/90	RW		
	M) Iron Sight Alignment				11/29/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				11/29/90	RW		
	O) Attach Scope to Rifle				11/29/90	RW		
	P) Detach & Attach Scope 20 Times				11/29/90	RW		
640	Gallery Target & Test				11-30-90	DH		
	A) Time				11-30-90	DH		
	B) Malfunctions				11-30-90	DH		
	C) Pierced Primers				11-30-90	DH		
	D) Optical Clarity of Scope				11-30-90	DH		
645	Inspect for Live Ammo				11-30-90	DH		
655	Final Inspection							
	A) Headspace				12-1-90	JS		
	B) Trigger Pull	2.86	2.75	2.69	2.81	2.74	12-1-90	JS
	C) Function	2.19	2.20	2.31	2.23	2.29	12-1-90	JS
660	Pack						3/19/91	RE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587515

DATE 1-21-91

TESTER JPL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.19	2.30	2.19	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.33	2.28	2.20	
PULL #3	2.32	2.40	2.30	2.31	
PULL #4	2.27	2.36	2.38	2.23	
PULL #5	2.30	2.36	2.38	2.29	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.40	3.38		
PULL #2	3.41	3.39		
PULL #3	3.41	3.38		
PULL #4	3.36	3.38		
PULL #5	3.39	3.39		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.27		4.22
PULL #2	4.12	4.26		4.25
PULL #3	4.26	4.26		4.30
PULL #4	4.30	4.29		4.25
PULL #5	4.24	4.28		4.26
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587515
23 Jan 1991

CENTROIDAL DISTANCES

0 TO 1	.298007
1 TO 2	.449138
1 TO 3	.628334
1 TO 4	.358979
1 TO 5	.261748

$\frac{3}{2.5}$ <----POA

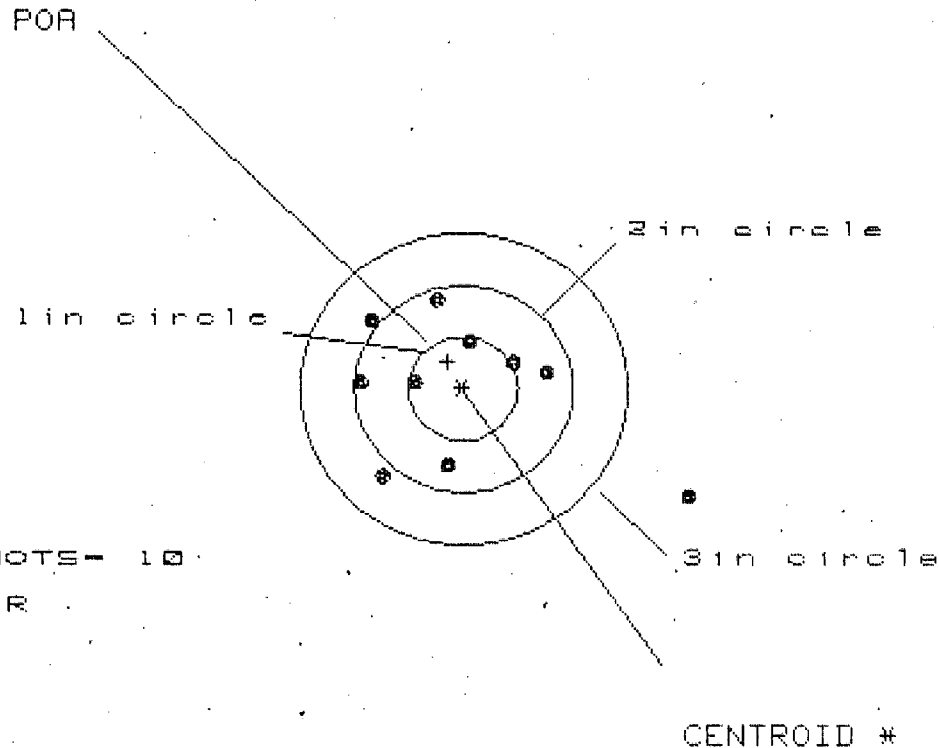
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0666
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0348
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0751439

THE AMR FOR THIS RIFLE IS: .965

23 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587515

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.954

VS= 1.861

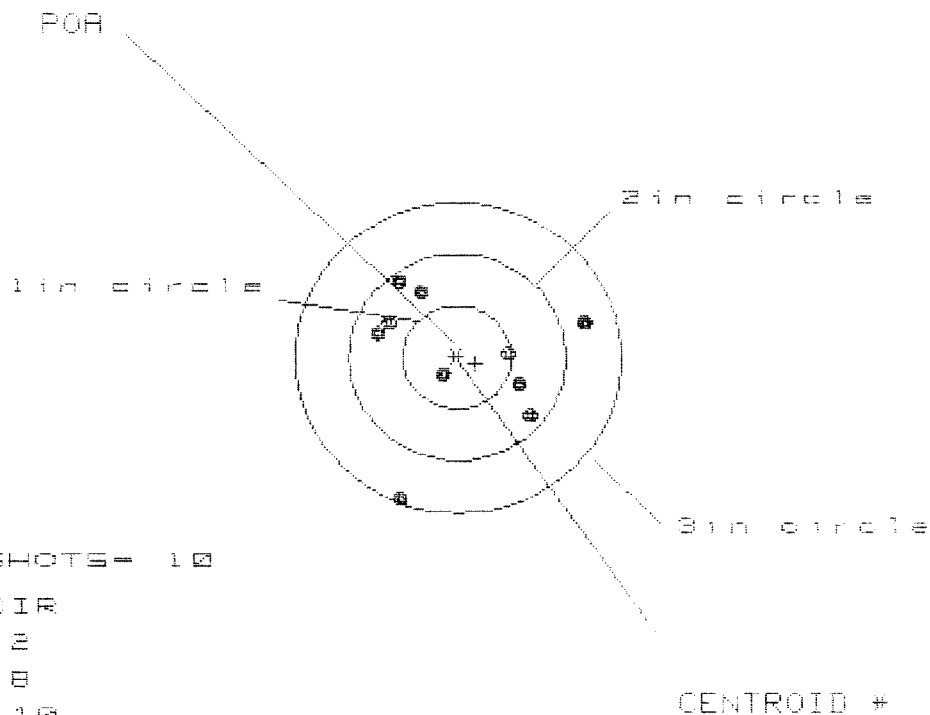
GS= 3.349

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.040	1.022	.955
MINIMUM X	-.914	-.687	-.754
MAXIMUM Y	.822	.706	.588
MINIMUM Y	-1.039	-.948	-.970
CENTROID X	.142	-.085	-.018
CENTROID Y	-.262	-.146	-.027
POA TO CENTROID in.	.298	.169	.033
MIN RADIUS	.456	.233	.307
MEAN RADIUS	.936	.736	.677
MAX RADIUS	2.290	1.088	.970
HORIZONTAL SPREAD	2.954	1.709	1.709
VERTICAL SPREAD	1.861	1.654	1.557
EXTREME SPREAD	3.349	1.864	1.714
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

25 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08567515

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HSI = 1.060

VS = 2.038

GS = 2.460

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.196	1.132	.755
MINIMUM X	:	-.772	-.836	-.695
MAXIMUM Y	:	.700	.551	.579
MINIMUM Y	:	-1.339	-.733	-.705
CENTROID X	:	-.168	-.104	-.245
CENTROID Y	:	.063	.211	.183
POA TO CENTROID in.	:	.179	.235	.306
MIN RADIUS	:	.163	.322	.249
MEAN RADIUS	:	.801	.726	.654
MAX RADIUS	:	1.455	1.154	1.033
HORIZONTAL SPREAD	:	1.968	1.968	1.450
VERTICAL SPREAD	:	2.038	1.284	1.284
EXTREME SPREAD	:	2.460	1.975	1.787
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

23 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587515

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 6

HS= 3.135

VS= 3.331

GS= 3.553

CENTROID #

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.597	1.714	1.063
MINIMUM X	-1.538	-1.421	-1.207
MAXIMUM Y	1.535	1.085	.607
MINIMUM Y	-1.796	-1.626	-1.490
CENTROID X	.040	-.077	-.291
CENTROID Y	.358	.188	.052
POA TO CENTROID in.	.360	.203	.295
MIN RADIUS	.301	.482	.494
MEAN RADIUS	1.172	1.082	.942
MAX RADIUS	1.860	2.029	1.497
HORIZONTAL SPREAD	3.135	3.135	2.270
VERTICAL SPREAD	3.331	2.711	2.097
EXTREME SPREAD	3.553	3.245	2.585
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	6		

23 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08587515

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 0

2in = 6

3in = 9

HS = 3.152

VS = 1.903

GS = 3.381

CENTROID #

PATTERN #

:

4

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

2.225

1.072

.987

MINIMUM X

:

-.927

-.680

-.716

MAXIMUM Y

:

.820

.775

.656

MINIMUM Y

:

-1.083

-1.128

-1.032

CENTROID X

:

.013

-.234

-.149

CENTROID Y

:

.073

.118

.021

POA TO CENTROID in.:

:

.075

.262

.150

MIN RADIUS

:

.531

.337

.454

MEAN RADIUS

:

.982

.783

.769

MAX RADIUS

:

2.261

1.274

1.149

HORIZONTAL SPREAD

:

3.152

1.752

1.703

VERTICAL SPREAD

:

1.903

1.903

1.687

EXTREME SPREAD

:

3.381

2.288

1.922

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

6

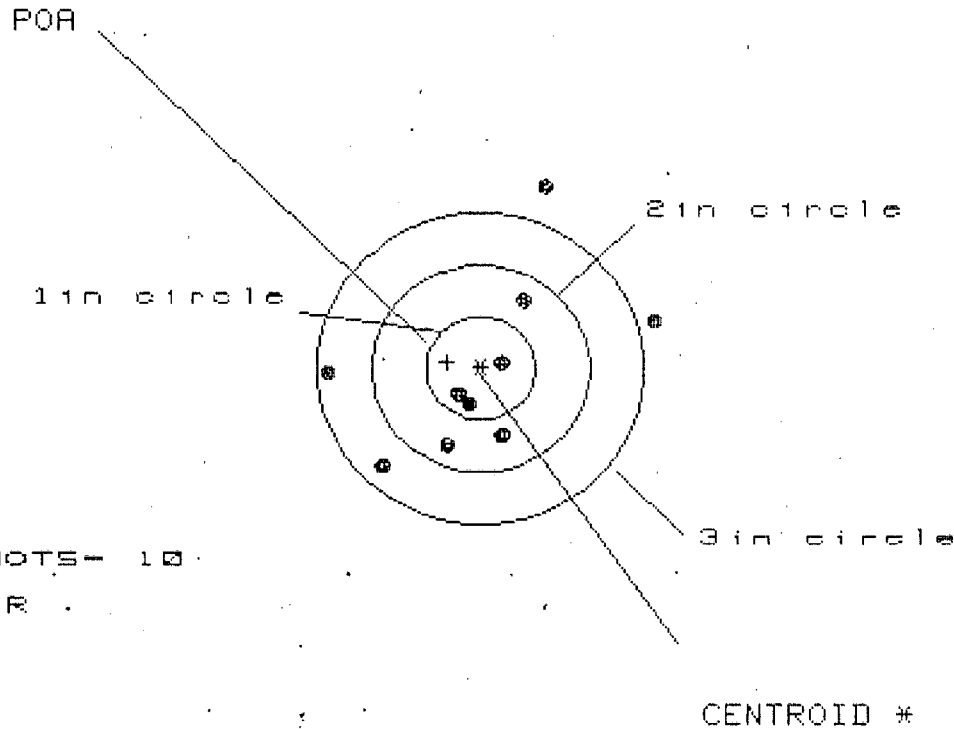
NUMBER IN THREE INCH CIRCLE =

9

23 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587515

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR .

1in = 3

2in = 6

3in = 8

HS= 2.944

VS= 2.778

GS= 3.134

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.558	1.619	.662
MINIMUM X	-1.386	-1.325	-1.122
MAXIMUM Y	1.800	.821	.907
MINIMUM Y	-.978	-.778	-.692
CENTROID X	.306	.245	.042
CENTROID Y	-.058	-.258	-.344
POA TO CENTROID in.	.311	.356	.346
MIN RADIUS	.219	.128	.081
MEAN RADIUS	.934	.774	.635
MAX RADIUS	1.882	1.758	1.152
HORIZONTAL SPREAD	2.944	2.944	1.784
VERTICAL SPREAD	2.778	1.599	1.599
EXTREME SPREAD	3.134	2.988	2.060
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	