

C6611621

MODEL 700™ M24

Model S&S™

Action _____

Barrel Length _____

Capacity _____

Order No. 5716

*Includes 1 in chamber.

Remington

Remington



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

MODEL 700TM M24

SERIAL NO.

C6611621

ORDER NO.

5716

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

46



5716 C6611621

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611621

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	2 1 91		RW
600	Proof	2 1 91		RW
607	Check Headspace	2 1 91		RW
610	Dis-assemble Gun	2 1 91		RW
612	Magnaflux Barrel Action	2 1 1 91		KCR
	Magnaflux Bolt	2 1 1 91		KCR
615	Rollmark Caliber	2 1 1 91		CS
617	Drill and Tap Sight Holes	2 1 3 91		FB
618	Polish Barrel RAB	2 1 3 91		WB
620	Apply Coatings (Barrel Action)		3/25/91	WB
	Apply Coating (Bolt)		3/25/91	WB
625	Final Assembly			
	A) Clean inside of Bolt Assembly		3/25/91	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		3/25/91	WB
	C) Inspect Ejector Hole for Chamfer		3/25/91	WB
	D) Oil Firing Pin Ass'y		3/25/91	WB
	E) Adjust Trigger Pull to Min Setting and Stake		4/8/91	JM

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/4	5 1/4	5			4-10-91	DH
	G) Safety Off Force	2 1/2	2 1/4	2 1/4			4-10-91	DH
	H) Trigger Pull Test & Retainability						4/8/91	RU
	I) Firing Pin Indent	.022	.022	.022			4-10-91	DH
	J) Assemble Stock						4/10/91	RW
	K) Assemble Swivel Studs						4-22-91	A
	L) Attach Front and Rear Sight Assemblies						4/12/91	RW
	M) Iron Sight Alignment						4/12/91	RW
	N) Detach Front & Rear Sights & place in numbered container						4/12/91	RW
	O) Attach Scope to Rifle						4/12/91	RW
	P) Detach & Attach Scope 20 Times						4/12/91	RW
640	Gallery Target & Test						4/12/91	KJ
	A) Time							KJ
	B) Malfunctions							KJ
	C) Pierced Primers							KJ
	D) Optical Clarity of Scope							KJ
645	Inspect for Live Ammo						4/12/91	KJ
655	Final Inspection							
	A) Headspace						4-22-91	A
	B) Trigger Pull	2.28	2.20	2.26	2.28	2.27	4/16/91	RU
	C) Function						4-22-91	A
660	Pack						6-18-91	AF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611621

DATE 4/8/91

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.22	2.29	2.38	2.28	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.20	2.18	2.30	2.20	
PULL #3	2.40	2.27	2.26	2.26	
PULL #4	2.28	2.36	2.38	2.28	
PULL #5	2.27	2.30	2.35	2.27	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.45	3.42		
PULL #2	3.21	3.58		
PULL #3	3.22	3.51		
PULL #4	3.38	3.56		
PULL #5	3.40	3.58		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.50		4.25
PULL #2	4.20	4.57		4.34
PULL #3	4.22	4.24		4.39
PULL #4	4.50	4.37		4.30
PULL #5	4.30	4.27		4.22
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611621
12 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.186132
1 TO	2	.273222
1 TO	3	.152118
1 TO	4	.349326
1 TO	5	.211873

21 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .001
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0182
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0182275
THE AMR FOR THIS RIFLE IS: 1.013

12 Apr 1991

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CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 5

2in = 8

3in = 9

HS= 2.896

VS= 1.788

GS= 2.922

CENTROID *

PATTERN #

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID in.

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE =

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

10

9

8

1.337

1.164

.558

-1.559

-.458

-.313

.938

.897

.894

-.850

-.891

-.894

.137

.310

.165

.126

.167

.178

.186

.352

.236

.246

.211

.261

.711

.605

.517

1.602

1.164

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1.622

.871

1.788

1.788

1.788

2.922

1.840

1.818

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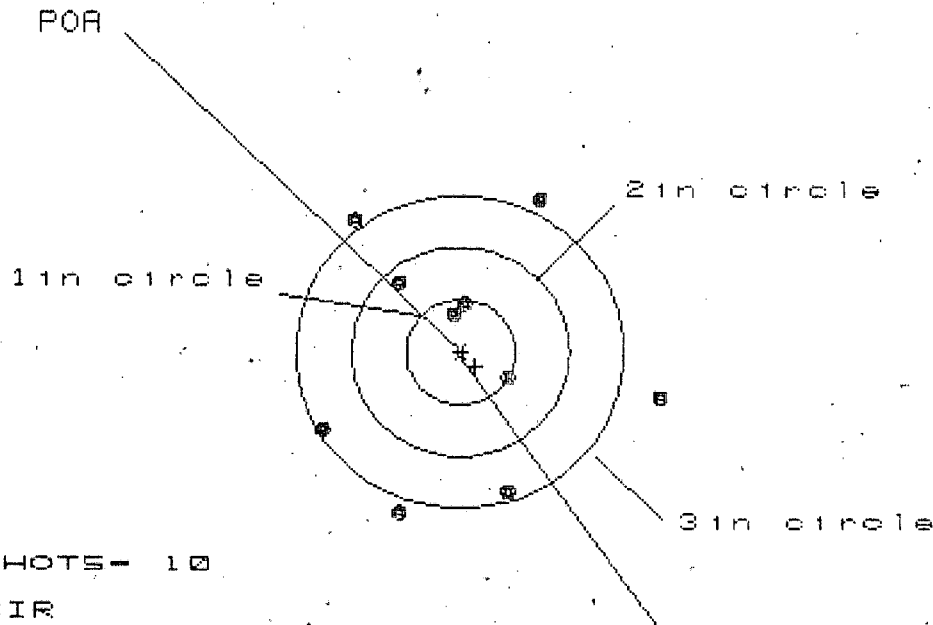
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9

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 6

HS= 3.082

VS= 3.029

GS= 3.268

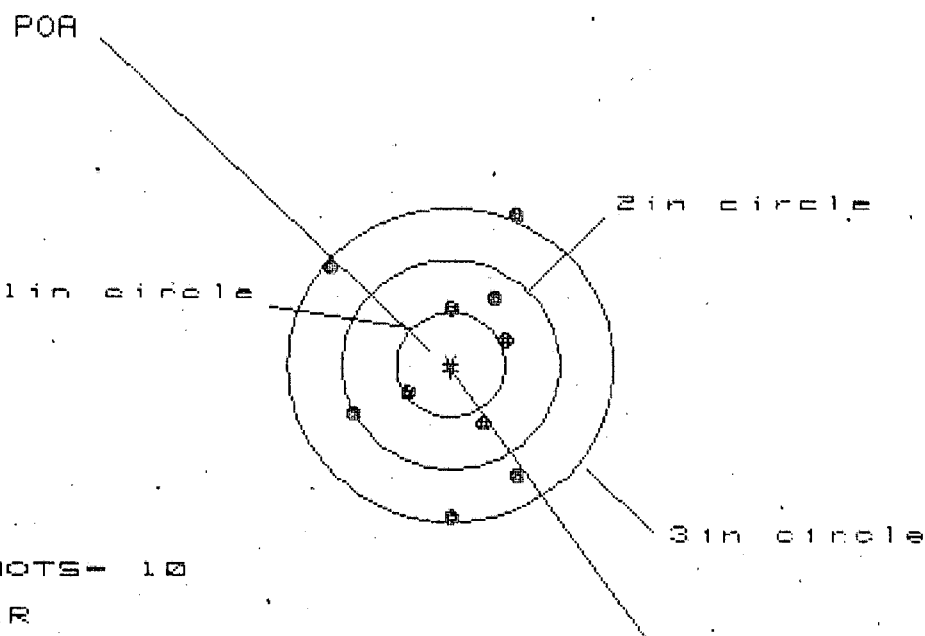
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.791	.891	.768
MINIMUM X	:	-1.291	-1.092	-.980
MAXIMUM Y	:	1.500	1.451	1.405
MINIMUM Y	:	-1.529	-1.578	-1.396
CENTROID X	:	-.136	-.335	-.447
CENTROID Y	:	.137	.186	.004
POA TO CENTROID in.	:	.193	.383	.447
MIN RADIUS	:	.364	.325	.535
MEAN RADIUS	:	1.178	1.091	1.041
MAX RADIUS	:	1.844	1.703	1.535
HORIZONTAL SPREAD	:	3.082	1.983	1.748
VERTICAL SPREAD	:	3.029	3.029	2.801
EXTREME SPREAD	:	3.268	3.268	2.937
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 1.767

VS= 2.819

GS= 2.877

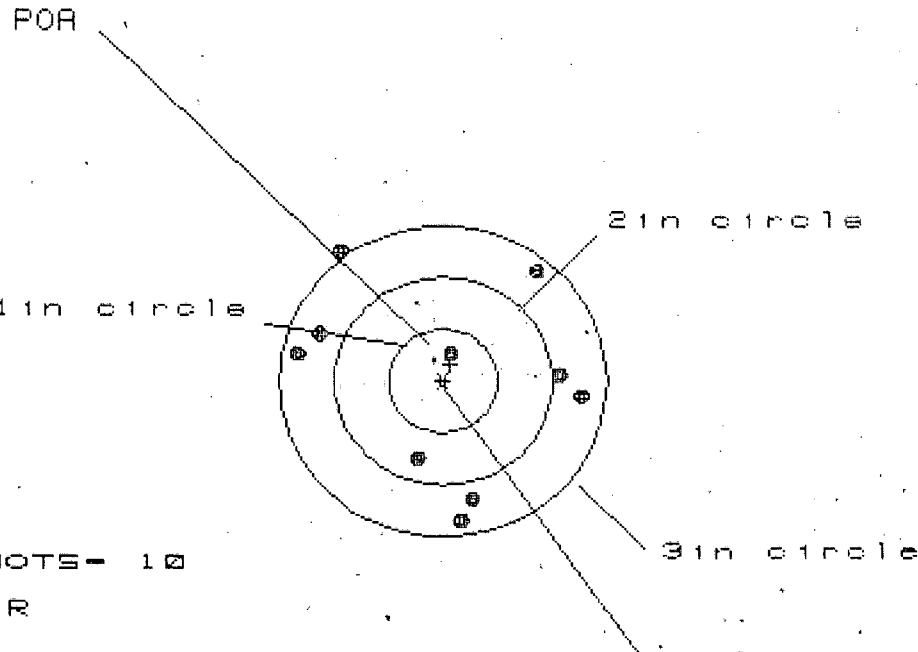
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.650	.712	.580
MINIMUM X	:	-1.117	-1.055	-.973
MAXIMUM Y	:	1.404	1.082	.932
MINIMUM Y	:	-1.415	-1.259	-1.123
CENTROID X	:	-.001	-.063	.069
CENTROID Y	:	.062	-.094	-.230
POA TO CENTROID in.	:	.062	.113	.240
MIN RADIUS	:	.486	.351	.353
MEAN RADIUS	:	.962	.893	.802
MAX RADIUS	:	1.510	1.512	1.127
HORIZONTAL SPREAD	:	1.767	1.767	1.553
VERTICAL SPREAD	:	2.819	2.341	2.055
EXTREME SPREAD	:	2.877	2.678	2.099
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 2

3in = 9

HS= 2.544

VS= 2.581

GS= 2.777

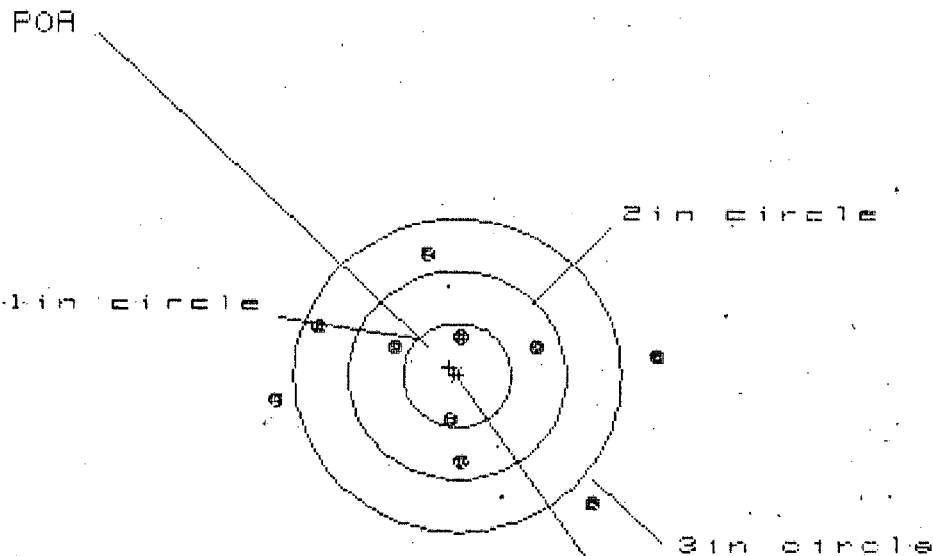
CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.235	1.136	1.141
MINIMUM X	:	-1.309	-1.408	-1.403
MAXIMUM Y	:	1.245	1.176	1.026
MINIMUM Y	:	-1.336	-1.198	-1.143
CENTROID X	:	-.065	.034	.029
CENTROID Y	:	-.159	-.297	-.147
POA TO CENTROID in.	:	.172	.299	.150
MIN RADIUS	:	.320	.444	.295
MEAN RADIUS	:	1.130	1.072	1.045
MAX RADIUS	:	1.531	1.469	1.429
HORIZONTAL SPREAD	:	2.544	2.544	2.544
VERTICAL SPREAD	:	2.581	2.374	2.169
EXTREME SPREAD	:	2.777	2.582	2.582
NUMBER IN ONE INCH CIRCLE	=	1	1	1
NUMBER IN TWO INCH CIRCLE	=	2	2	2
NUMBER IN THREE INCH CIRCLE	=	9	9	9

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 3.516

VS= 2.314

GS= 3.530

CENTROID #

PATTERN #	15	16	17
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.658	1.399	1.132
MINIMUM X	-1.658	-1.451	-1.276
MAXIMUM Y	1.131	1.146	1.000
MINIMUM Y	-1.183	-1.168	-0.986
CENTROID X	.070	-.137	-.312
CENTROID Y	-.075	-.090	.056
POA TO CENTROID in.	.102	.164	.317
MIN RADIUS	.385	.426	.270
MEAN RADIUS	1.083	.982	.856
MAX RADIUS	1.863	1.823	1.313
HORIZONTAL SPREAD	3.516	2.850	2.408
VERTICAL SPREAD	2.314	2.314	1.986
EXTREME SPREAD	3.530	3.022	2.442
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		