

C6611602

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington®

MODEL 700™ H24

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

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

SERIAL NO.
C6611602

ORDER NO.
5716

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

20



5716 C6611602

UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611602

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/19/91	K.S.
600	Proof		3/19/91	K.S.
607	Check Headspace		3/19/91	K.S.
610	Dis-assemble Gun		3/19/91	K.S.
612	Magnaflux Barrel Action		3/28/91	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		"	LS
617	Drill and Tap Sight Holes	APR	3 1991	FWB
618	Polish Barrel	APR	3 1991	FWB
620	Apply Coatings (Barrel Action)		4-19-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/1/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/91	KS
	C) Inspect Ejector Hole for Chamfer		5/1/91	KS
	D) Oil Firing Pin Ass'y		5/1/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		5/29/91	D/H

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5-18-91	AC
	G) Safety Off Force	4	4	4			5-18-91	AC
	H) Trigger Pull Test & Retainability						5-17-91	DH
	I) Firing Pin Indent	.021	.021	.022			5-18-91	AC
	J) Assemble Stock						5/17/91	KS
	K) Assemble Swivel Studs						5-20-91	D/H
	L) Attach Front and Rear Sight Assemblies						5/17/91	KS
	M) Iron Sight Alignment						5/17/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/17/91	KS
	O) Attach Scope to Rifle						5/17/91	KS
	P) Detach & Attach Scope 20 Times						5/17/91	KS
640	Gallery Target & Test						5-18-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						5-18-91	AF
655	Final Inspection							
	A) Headspace						5-20-91	D/H
	B) Trigger Pull	2.55	2.45	2.40	2.38	2.34	5/20/91	9/1
	C) Function						5-20-91	D/H
660	Pack						6-18-91	AF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6611602

DATE 5-17-91

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.37	2.54	2.55	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.54	2.38	2.18	2.45	
PULL #3	2.56	2.41	2.50	2.40	
PULL #4	2.52	2.44	2.51	2.38	
PULL #5	2.52	2.39	2.53	2.34	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.24	3.21		
PULL #2	3.18	3.00		
PULL #3	3.03	3.21		
PULL #4	3.23	3.22		
PULL #5	3.18	3.21		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.05	4.24		4.15
PULL #2	4.01	4.20		4.00
PULL #3	4.26	4.17		4.02
PULL #4	4.26	4.21		4.15
PULL #5	4.20	4.20		4.13
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06611602
18 May 1991

CENTROIDAL DISTANCES

0 TO	1	.160515
1 TO	2	.410505
1 TO	3	.148223
1 TO	4	.144682
1 TO	5	.318812

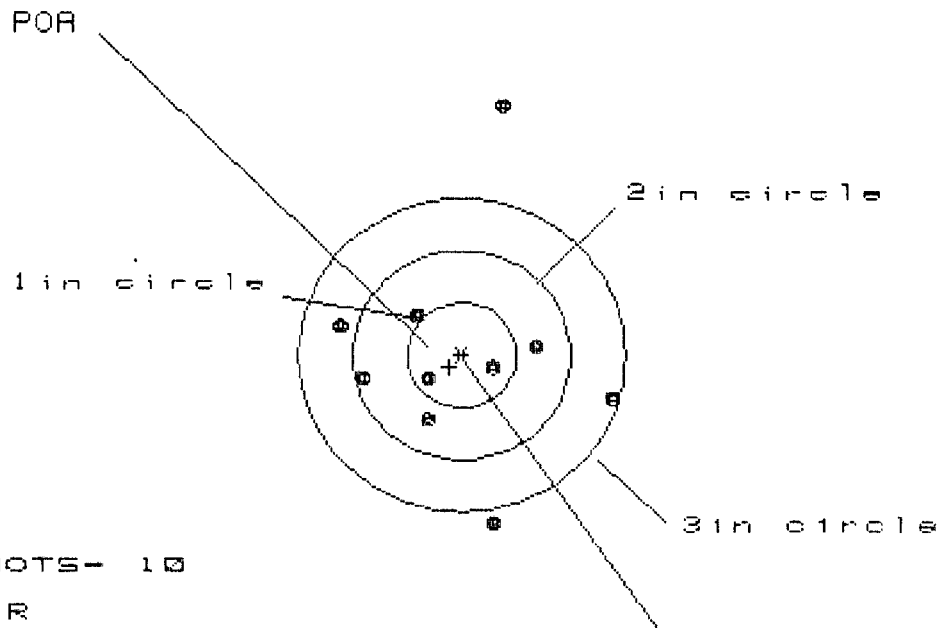
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0392
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.069
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0793577
THE AMR FOR THIS RIFLE IS: .8258

16 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611602

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 2.416

VS= 4.035

GS= 4.035

CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.351	1.393	1.438
MINIMUM X	:	-1.065	-1.023	-.978
MAXIMUM Y	:	2.406	.624	.454
MINIMUM Y	:	-1.629	-1.362	-.521
CENTROID X	:	.114	.072	.027
CENTROID Y	:	.113	-.154	.016
POA TO CENTROID in.	:	.161	.171	.031
MIN RADIUS	:	.310	.280	.278
MEAN RADIUS	:	1.023	.837	.747
MAX RADIUS	:	2.435	1.409	1.470
HORIZONTAL SPREAD	:	2.416	2.416	2.416
VERTICAL SPREAD	:	4.035	1.986	.975
EXTREME SPREAD	:	4.035	2.513	2.513
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 1

2 in = 7

3 in = 8

HS = 2.236

VS = 3.534

GS = 3.537

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.729	.794	.614
MINIMUM X	:	-1.507	-1.442	-.634
MAXIMUM Y	:	1.034	.757	.683
MINIMUM Y	:	-2.500	-.642	-.716
CENTROID X	:	-.053	-.110	.062
CENTROID Y	:	-.262	.015	.089
POA TO CENTROID in.	:	.268	.119	.108
MIN RADIUS	:	.461	.298	.403
MEAN RADIUS	:	1.002	.766	.658
MAX RADIUS	:	2.569	1.556	.928
HORIZONTAL SPREAD	:	2.236	2.236	1.248
VERTICAL SPREAD	:	3.534	1.399	1.399
EXTREME SPREAD	:	3.537	2.608	1.654
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 4

2 in = 5

3 in = 10

HS = 2.265

VS = 2.484

GS = 2.594

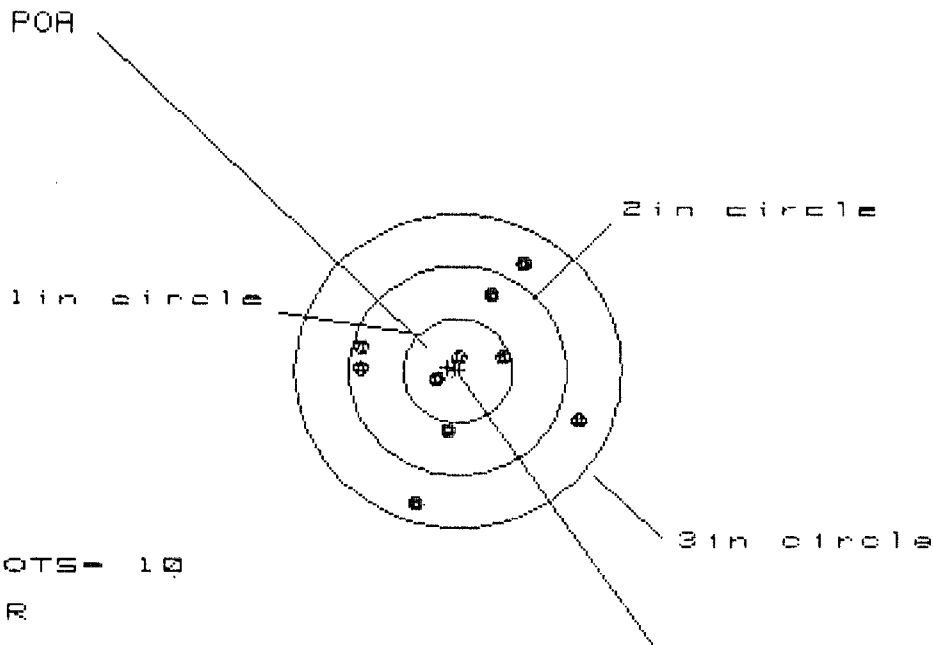
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.332	1.311	1.192
MINIMUM X	:	-.933	-.954	-.810
MAXIMUM Y	:	1.008	.844	.820
MINIMUM Y	:	-1.476	-.603	-.498
CENTROID X	:	.133	.154	.273
CENTROID Y	:	-.034	.130	.025
POA TO CENTROID in.	:	.137	.202	.274
MIN RADIUS	:	.253	.165	.317
MEAN RADIUS	:	.795	.707	.649
MAX RADIUS	:	1.488	1.370	1.227
HORIZONTAL SPREAD	:	2.265	2.265	2.002
VERTICAL SPREAD	:	2.484	1.447	1.318
EXTREME SPREAD	:	2.594	2.583	2.006
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS = 1.987

VS = 2.282

GS = 2.507

CENTROID #

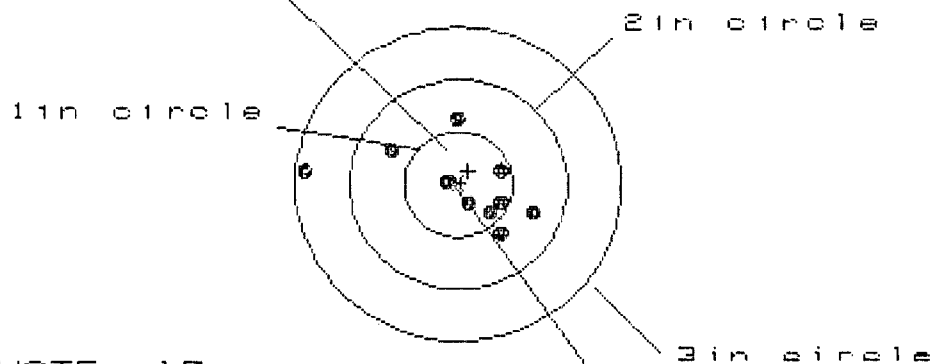
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.064	1.018	1.090
MINIMUM X	:	-.923	-.969	-.897
MAXIMUM Y	:	1.037	.899	.729
MINIMUM Y	:	-1.245	-.711	-.599
CENTROID X	:	.092	.138	.066
CENTROID Y	:	-.030	.108	-.005
POA TO CENTROID in.	:	.097	.176	.067
MIN RADIUS	:	.099	.058	.100
MEAN RADIUS	:	.760	.692	.633
MAX RADIUS	:	1.312	1.168	1.183
HORIZONTAL SPREAD	:	1.987	1.987	1.987
VERTICAL SPREAD	:	2.282	1.610	1.328
EXTREME SPREAD	:	2.507	2.106	2.106
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5

POA



OF SHOTS - 10

IN CIR

1in = 5

2in = 9

3in = 10

HS = 2.150

VS = 1.110

GS = 2.183

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.722	.563	.270
MINIMUM X	:	-1.428	-.752	-.682
MAXIMUM Y	:	.631	.646	.616
MINIMUM Y	:	-.479	-.464	-.494
CENTROID X	:	-.090	.068	-.002
CENTROID Y	:	-.132	-.147	-.117
POA TO CENTROID in.	:	.160	.162	.117
MIN RADIUS	:	.087	.144	.141
MEAN RADIUS	:	.549	.419	.400
MAX RADIUS	:	1.434	.845	.769
HORIZONTAL SPREAD	:	2.150	1.315	.952
VERTICAL SPREAD	:	1.110	1.110	1.110
EXTREME SPREAD	:	2.183	1.454	1.376
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	