

06611495

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Smead

Remington®
REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

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

SERIAL NO.
C6611495

ORDER NO.
5716

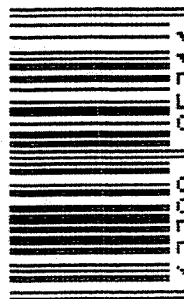
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MADE IN LION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6611495

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6611495

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/13/91	K.S.
600	Proof		3/13/91	K.S.
607	Check Headspace		3/13/91	K.S.
610	Dis-assemble Gun		3/13/91	K.S.
612	Magnaflux Barrel Action		3/27/91	KR
	Magnaflux Bolt		1.	KR
615	Rollmark Caliber		3/27/91	LS
617	Drill and Tap Sight Holes	APR	3 1991	FB
618	Polish Barrel	APR	3 1991	WB
620	Apply Coatings (Barrel Action)		4-12-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/24/91	
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/29/91	
	C) Inspect Ejector Hole for Chamfer		4/29/91	
	D) Oil Firing Pin Ass'y		4/29/91	
	E) Adjust Trigger Pull to Min Setting and Stake		5/6/91	FL

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	5	5	5	5/6/91	CH		
	G) Safety Off Force	3	3	3	5/6/91	CH		
	H) Trigger Pull Test & Retainability				5/6/91	CH		
	I) Firing Pin Indent	.0225	.0225	.0225	5/6/91	CH		
	J) Assemble Stock				5/6/91	KS		
	K) Assemble Swivel Studs				5-10-91	DH		
	L) Attach Front and Rear Sight Assemblies				5/6/91	KS		
	M) Iron Sight Alignment				5/6/91	KS		
	N) Detach Front & Rear Sights & place in numbered container				5/6/91	KS		
	O) Attach Scope to Rifle				5/6/91	KS		
	P) Detach & Attach Scope 20 Times				5/6/91	KS		
640	Gallery Target & Test				5-7-91	DH		
	A) Time				5-7-91	DH		
	B) Malfunctions				5-7-91	DH		
	C) Pierced Primers				5-7-91	DH		
	D) Optical Clarity of Scope				5-7-91	DH		
645	Inspect for Live Ammo				5-7-91	DH		
655	Final Inspection							
	A) Headspace				5-10-91	DH		
	B) Trigger Pull	2.42	2.47	2.48	2.48	2.55	5/9/91	CH
	C) Function						5-10-91	DH
660	Pack						6-17-91	KS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6611495
DATE 5/6/91
TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.55	2.41	2.36	2.42	MIN. SETTING,
PULL #2	2.54	2.22	2.34	2.47	NO AVG. OF 5
PULL #3	2.56	2.37	2.25	2.48	READINGS ACCEPT-
PULL #4	2.46	2.36	2.37	2.48	ABLE LESS THAN 2#
PULL #5	2.15	2.34	2.37	2.53	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.53	3.54		
PULL #2	3.45	3.38		
PULL #3	3.50	3.49		
PULL #4	3.51	3.50		
PULL #5	3.54	3.45		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.37		4.37
PULL #2	4.17	4.38		4.41
PULL #3	4.38	4.35		4.34
PULL #4	4.36	4.40		4.33
PULL #5	4.33	4.43		4.36
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611495
7 May 1991

CENTROIDAL DISTANCES

0 TO	1	.214234
1 TO	2	.0939415
1 TO	3	.31477
1 TO	4	.162874
1 TO	5	.16483

3P <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0196
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1064
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .1064

THE AMR FOR THIS RIFLE IS: 1.092 .

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611495

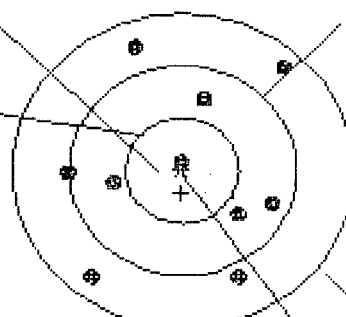
CENTERFIRE PATTERNS

POA

1in circle

2in circle

3in circle



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 10

HS= 1.944

VS= 2.245

GS= 2.587

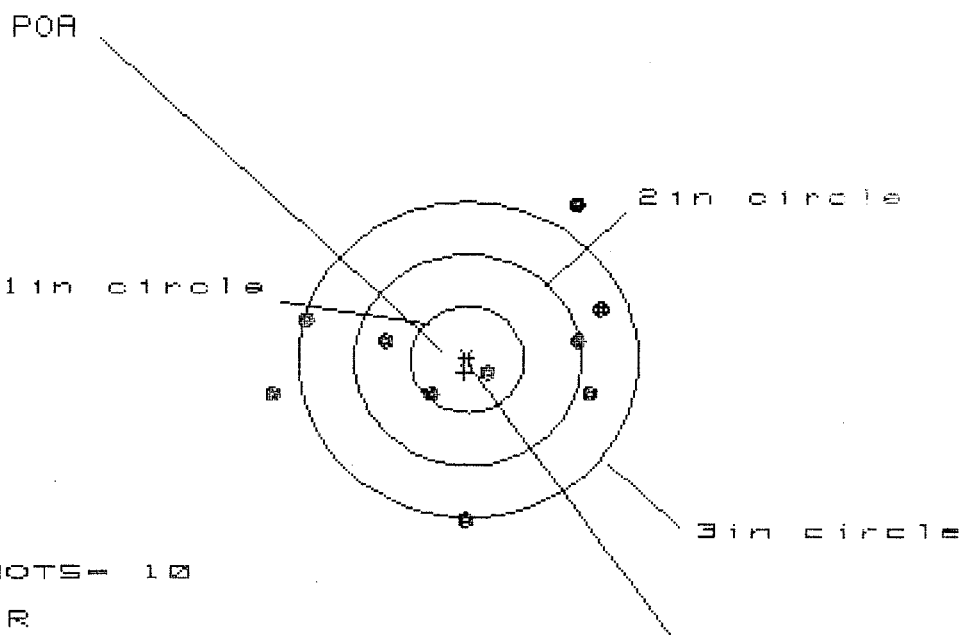
CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.910	.874	.783
MINIMUM X	:	-1.034	-.933	-1.024
MAXIMUM Y	:	1.200	1.305	1.196
MINIMUM Y	:	-1.045	-.940	-1.049
CENTROID X	:	.010	-.091	-.000
CENTROID Y	:	.214	.109	.218
POA TO CENTROID in.	:	.214	.142	.218
MIN RADIUS	:	.114	.229	.108
MEAN RADIUS	:	.893	.847	.793
MAX RADIUS	:	1.312	1.339	1.258
HORIZONTAL SPREAD	:	1.944	1.807	1.807
VERTICAL SPREAD	:	2.245	2.245	2.245
EXTREME SPREAD	:	2.587	2.409	2.409
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 6

HS= 2.943

VS= 3.092

GS= 3.314

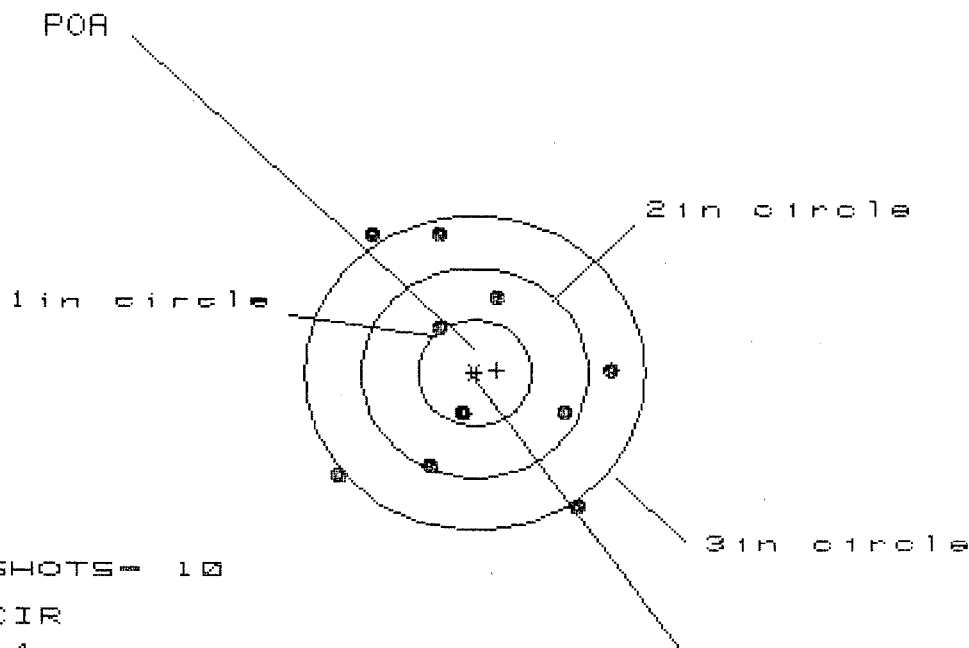
CENTROID #

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.191	1.302	1.096
MINIMUM X	:	-1.752	-1.641	-1.563
MAXIMUM Y	:	1.524	.636	.617
MINIMUM Y	:	-1.568	-1.399	-1.418
CENTROID X	:	.029	-.083	.123
CENTROID Y	:	.122	-.047	-.028
POA TO CENTROID in.	:	.125	.095	.126
MIN RADIUS	:	.227	.277	.113
MEAN RADIUS	:	1.148	1.060	.960
MAX RADIUS	:	1.823	1.649	1.635
HORIZONTAL SPREAD	:	2.943	2.943	2.659
VERTICAL SPREAD	:	3.092	2.035	2.035
EXTREME SPREAD	:	3.314	3.047	2.662
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 = 7

HS= 2.374

VS= 2.635

GS= 3.221

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.213	1.112	1.216
MINIMUM X	:	-1.161	-1.262	-1.158
MAXIMUM Y	:	1.372	1.486	1.347
MINIMUM Y	:	-1.263	-1.111	-.966
CENTROID X	:	-.196	-.095	-.199
CENTROID Y	:	-.024	-.176	-.037
POA TO CENTROID in.	:	.198	.200	.203
MIN RADIUS	:	.437	.354	.423
MEAN RADIUS	:	1.087	1.012	.956
MAX RADIUS	:	1.648	1.529	1.508
HORIZONTAL SPREAD	:	2.374	2.374	2.374
VERTICAL SPREAD	:	2.635	2.597	2.313
EXTREME SPREAD	:	3.221	2.859	2.594
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	7		

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CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 7

HS= 2.151

VS= 4.509

GS= 4.584

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.268	1.169	1.150
MINIMUM X	:	-.883	-.745	-.764
MAXIMUM Y	:	2.490	1.510	1.292
MINIMUM Y	:	-2.018	-1.742	-1.056
CENTROID X	:	.158	.256	.275
CENTROID Y	:	.146	-.130	.087
POA TO CENTROID in.	:	.215	.287	.289
MIN RADIUS	:	.607	.367	.543
MEAN RADIUS	:	1.219	1.014	.938
MAX RADIUS	:	2.643	1.749	1.553
HORIZONTAL SPREAD	:	2.151	1.914	1.914
VERTICAL SPREAD	:	4.509	3.252	2.349
EXTREME SPREAD	:	4.584	3.413	2.569
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

7 May 1991

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CENTERFIRE PATTERNS

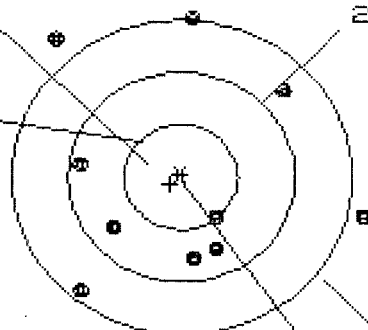
5

POA

1in circle

2in circle

3in circle



CENTROID #

OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.722

VS= 2.505

GS= 3.203

PATTERN #	:	15	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.633	1.512	.987
MINIMUM X	:	-1.089	-1.001	-.812
MAXIMUM Y	:	1.477	1.628	1.605
MINIMUM Y	:	-1.028	-.877	-.900
CENTROID X	:	.097	.218	.029
CENTROID Y	:	.074	-.077	-.054
POA TO CENTROID in.	:	.122	.231	.062
MIN RADIUS	:	.487	.294	.444
MEAN RADIUS	:	1.114	1.003	.932
MAX RADIUS	:	1.740	1.628	1.619
HORIZONTAL SPREAD	:	2.722	2.513	1.799
VERTICAL SPREAD	:	2.505	2.505	2.505
EXTREME SPREAD	:	3.203	2.706	2.706
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	8		