

C6498771

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington
MODEL 700™ H24

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

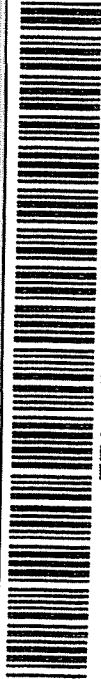
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO.
C6498771

ORDER NO.
5716

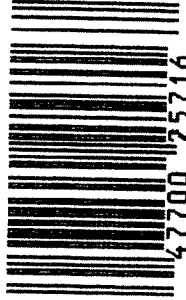
MADE IN ILLION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off, Marca Registrada Marque Deposee.

Ø1



5716 C6498771

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498771

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 2	90	RW
600	Proof	5 2	90	RW
607	Check Headspace	5 2	90	RW
610	Dis-assemble Gun	5 2		RW
612	Magnaflux Barrel Action	5-8-90		KCR
	Magnaflux Bolt	5-8-90		KCR
615	Rollmark Caliber		5/8/90	GB
617	Drill and Tap Sight Holes		5/9/90	FB
618	Polish Barrel AB		5/10/90	WB
620	Apply Coatings (Barrel Action)		5-16-90	TH
	Apply Coating (Bolt)		5	TH
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/18/90	RW
	C) Inspect Ejector Hole for Chamfer		5/18/90	RW
	D) Oil Firing Pin Ass'y		5/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/21/90	TH

BARBER - M24 0007399		READINGS			DATE	INIT
op. #	OP. NAME					
625 cont.	F) Safety On Force	4	4	3 3/4	5/21/90	WB
	G) Safety Off Force	2	2	2	5/21/90	WB
	H) Trigger Pull Test & Retainability				5/21/90	91
	I) Firing Pin Indent	.0235	.0235	.0235	5/21/90	WB
	J) Assemble Stock				5/21/90	RW
	K) Assemble Swivel Studs				24 May 90	92
	L) Attach Front and Rear Sight Assemblies				5/21/90	RW
	M) Iron Sight Alignment				5/21/90	RW
	N) Detach Front & Rear Sights & place in numbered container				5/21/90	RW
	O) Attach Scope to Rifle				5/21/90	WB
	P) Detach & Attach Scope 20 Times				5/21/90	WB
640	Gallery Target & Test				5-22-90	AC
	A) Time				5-22-90	AC
	B) Malfunctions				5-22-90	AC
	C) Pierced Primers				5-22-90	AC
	D) Optical Clarity of Scope				5-22-90	AC
645	Inspect for Live Ammo				5-22-90	AC
655	Final Inspection					
	A) Headspace				24 May 90	92
	B) Trigger Pull	244	243	242	241	262
	C) Function				24 May 90	92
660	Pack				6/19/90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#SERIAL NO. CC498771DATE 5/21/90TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.31	2.48	2.28	2.44	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.45	2.30	2.43	
PULL #3	2.40	2.35	2.31	2.42	
PULL #4	2.40	2.40	2.34	2.41	
PULL #5	2.55	2.31	2.32	2.42	
TOTAL	12.05	11.99	11.55		
AVG.	2.41	2.398	2.31		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.37	3.19		
PULL #2	3.39	3.26		
PULL #3	3.37	3.19		
PULL #4	3.37	3.19		
PULL #5	3.30	3.20		
TOTAL	16.80	16.03		
AVG.	3.36	3.206		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.47		4.40
PULL #2	4.06	4.39		4.43
PULL #3	4.46	4.42		4.41
PULL #4	4.36	4.41		4.40
PULL #5	4.36	4.42		4.38
TOTAL	21.34	22.11		22.02
AVG.	4.268	4.422		4.404

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498771
23 May 1990

CENTROIDAL DISTANCES

0	TO	1	.203541
1	TO	2	.0752861
1	TO	3	.152778
1	TO	4	.358912
1	TO	5	.115603

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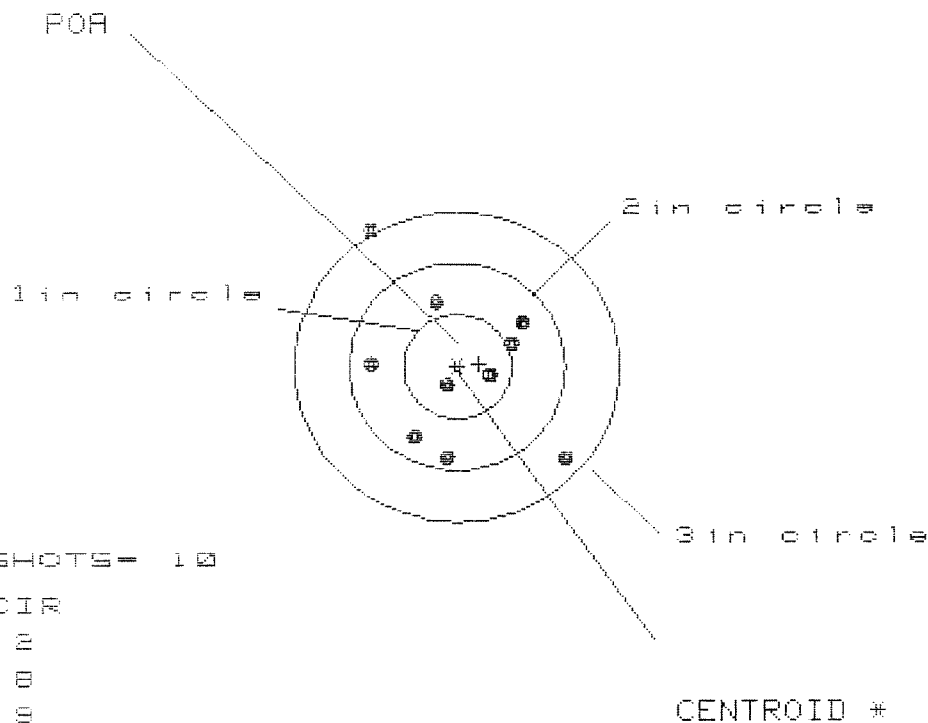
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0962
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.075
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .121981

THE AMR FOR THIS RIFLE IS: .8368

22 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8498771

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 9

HS= 1.862

VS= 2.195

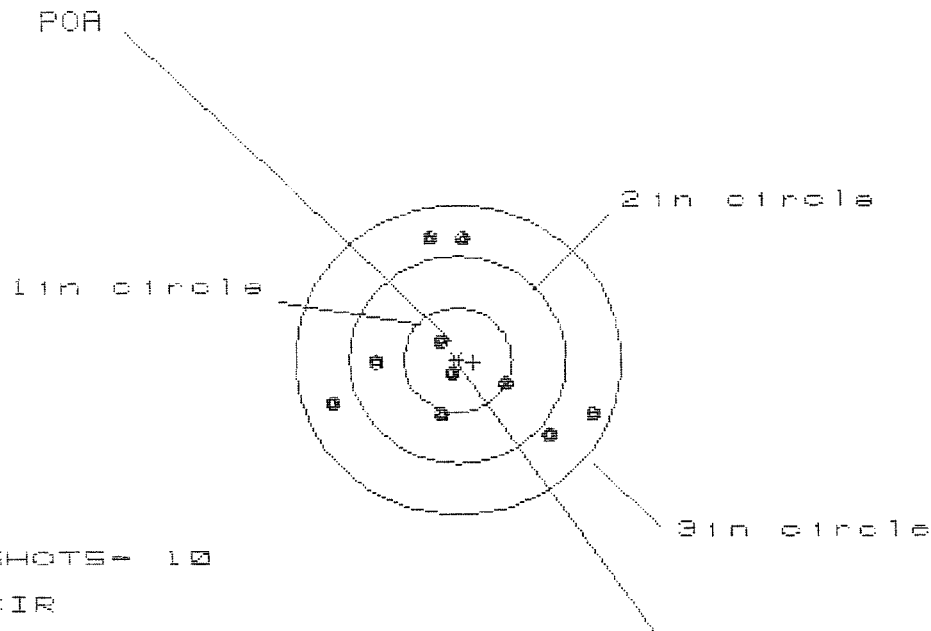
GS= 2.876

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.031	.939	.628
MINIMUM X	-.831	-.923	-.806
MAXIMUM Y	1.329	.773	.683
MINIMUM Y	-.866	-.719	-.775
CENTROID X	-.202	-.110	-.227
CENTROID Y	-.025	-.172	-.082
POA TO CENTROID in.	.203	.204	.241
MIN RADIUS	.203	.226	.145
MEAN RADIUS	.785	.685	.613
MAX RADIUS	1.566	1.182	.810
HORIZONTAL SPREAD	1.862	1.862	1.434
VERTICAL SPREAD	2.195	1.492	1.458
EXTREME SPREAD	2.876	2.065	1.483
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 3

2in = 5

3in = 10

HS= 2.477

VS= 1.914

GS= 2.477

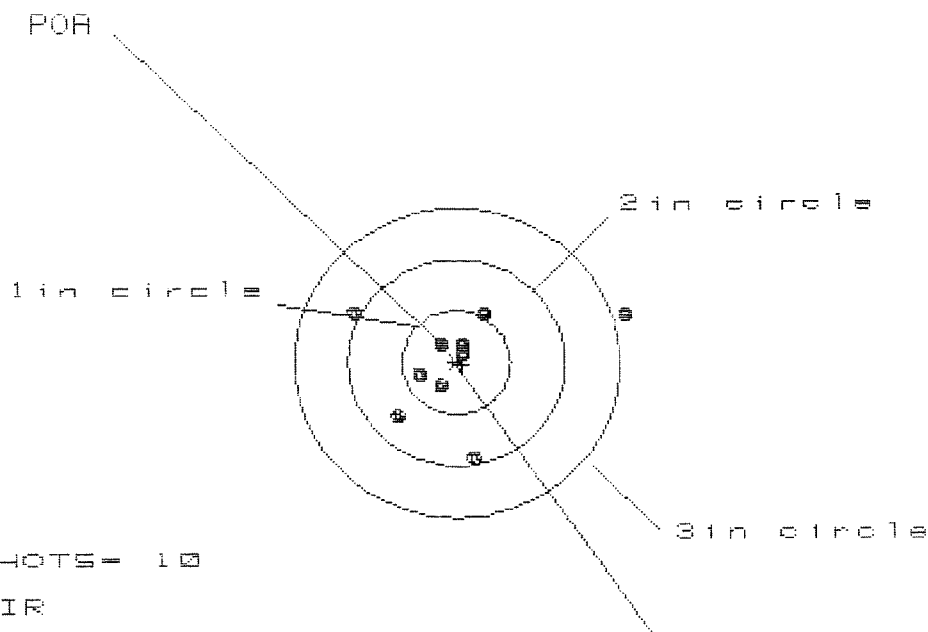
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.281	.942	.810
MINIMUM X	:	-1.196	-1.053	-.788
MAXIMUM Y	:	1.216	1.161	1.098
MINIMUM Y	:	-.698	-.753	-.816
CENTROID X	:	-.144	-.286	-.154
CENTROID Y	:	.023	.078	.141
POA TO CENTROID in.	:	.145	.296	.209
MIN RADIUS	:	.168	.099	.123
MEAN RADIUS	:	.829	.761	.714
MAX RADIUS	:	1.373	1.206	1.150
HORIZONTAL SPREAD	:	2.477	1.995	1.598
VERTICAL SPREAD	:	1.914	1.914	1.914
EXTREME SPREAD	:	2.477	2.144	2.144
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 5

2 in = 8

3 in = 9

HS= 2.557

VS= 1.387

GS= 2.558

CENTROID #

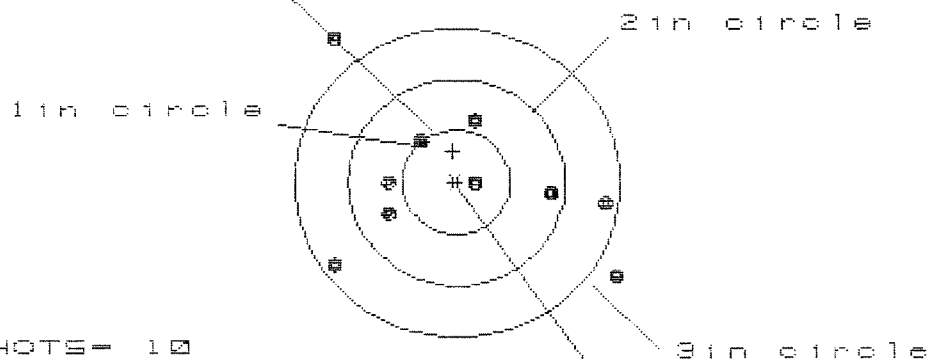
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.583	.415	.316
MINIMUM X	:	-.974	-.798	-.462
MAXIMUM Y	:	.516	.502	.564
MINIMUM Y	:	-.871	-.814	-.751
CENTROID X	:	-.056	-.232	-.133
CENTROID Y	:	.020	-.037	-.100
POA TO CENTROID in.	:	.060	.235	.166
MIN RADIUS	:	.138	.167	.146
MEAN RADIUS	:	.602	.475	.412
MAX RADIUS	:	1.665	.943	.781
HORIZONTAL SPREAD	:	2.557	1.213	.778
VERTICAL SPREAD	:	1.387	1.316	1.315
EXTREME SPREAD	:	2.558	1.724	1.319
NUMBER IN ONE INCH CIRCLE =			5	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			9	

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CENTERFIRE PATTERNS # 4

FOR



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 8

HS= 2.645

VS= 2.301

GS= 3.477

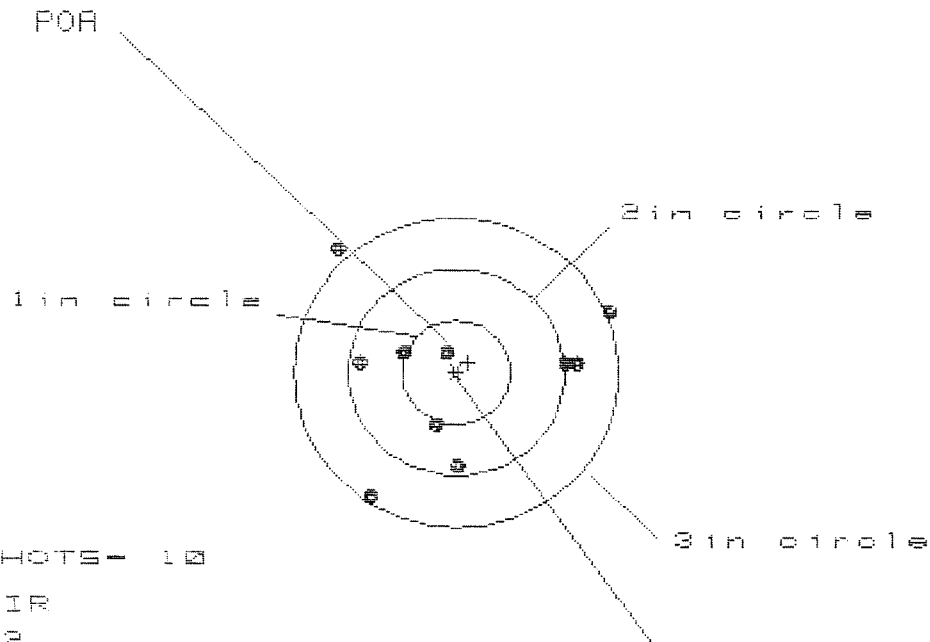
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.465	1.339	1.399
MINIMUM X	:	-1.180	-1.306	-1.139
MAXIMUM Y	:	1.388	.725	.630
MINIMUM Y	:	-.913	-.758	-.768
CENTROID X	:	.031	.157	-.010
CENTROID Y	:	-.298	-.453	-.358
FOR TO CENTROID in.	:	.300	.479	.358
MIN RADIUS	:	.151	.164	.203
MEAN RADIUS	:	.984	.908	.796
MAX RADIUS	:	1.797	1.538	1.406
HORIZONTAL SPREAD	:	2.645	2.645	2.538
VERTICAL SPREAD	:	2.301	1.483	1.398
EXTREME SPREAD	:	3.477	2.646	2.615
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 0.440

VS = 0.442

GS = 0.866

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.382	1.264	1.185
MINIMUM X	:	-1.066	-1.048	-0.890
MAXIMUM Y	:	1.215	.769	.451
MINIMUM Y	:	-1.227	-1.092	-0.996
CENTROID X	:	-.110	.008	-.150
CENTROID Y	:	-.095	-.230	-.326
POA TO CENTROID in.	:	.146	.230	.359
MIN RADIUS	:	.243	.418	.269
MEAN RADIUS	:	.984	.916	.815
MAX RADIUS	:	1.616	1.480	1.251
HORIZONTAL SPREAD	:	2.448	2.312	2.075
VERTICAL SPREAD	:	2.442	1.861	1.447
EXTREME SPREAD	:	2.866	2.866	2.342
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	