

C6636257

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

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

MODEL 700™ H24

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

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

SERIAL NO.
C6636257

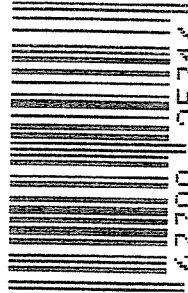
ORDER NO.
5716

20

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



LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6636257**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/24/91	KJ
600	Proof		6/24/91	KJ
607	Check Headspace		6/24/91	KJ
610	Dis-assemble Gun		6/24/91	KJ
612	Magnaflux Barrel Action	JUL	1 1991	KR
	Magnaflux Bolt	JUL	1 1991	KR
615	Rollmark Caliber	JUL	1 1991	JS
617	Drill and Tap Sight Holes	JUL	1 1991	FB
618	Polish Barrel	JUL	2 1991	WB
620	Apply Coatings (Barrel Action)		7-23-91	JS
	Apply Coating (Bolt)			JS
625	Final Assembly A) Clean inside of Bolt Assembly		7/23/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/23/91	KS
	C) Inspect Ejector Hole for Chamfer		7/23/91	KS
	D) Oil Firing Pin Ass'y		7/23/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		7-30-91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			7-31-91	DH
	G) Safety Off Force	4	4	3 1/2			7-31-91	DH
	H) Trigger Pull Test & Retainability						7-30-91	JH
	I) Firing Pin Indent	.021	.020	.021			7-31-91	DH
	J) Assemble Stock						8/1/91	KH
	K) Assemble Swivel Studs						8-6-91	KE
	L) Attach Front and Rear Sight Assemblies						8/1/91	KH
	M) Iron Sight Alignment						8/1/91	KE
	N) Detach Front & Rear Sights & place in numbered container						8/1/91	KE
	O) Attach Scope to Rifle						8/1/91	KE
	P) Detach & Attach Scope 20 Times						8/1/91	KE
640	Gallery Target & Test						8/1/91	KE
	A) Time							KE
	B) Malfunctions							KE
	C) Pierced Primers							KE
	D) Optical Clarity of Scope							KE
645	Inspect for Live Ammo						8/1/91	KE
655	Final Inspection							
	A) Headspace						8-6-91	AC
	B) Trigger Pull	2.20	2.19	2.15	2.22	2.29	8-5-91	JH
	C) Function						8-6-91	AC
660	Pack						9-19-91	NE

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6636257

DATE 7-30-91

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.60	2.38	2.20	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.29	2.36	2.43	2.19	
PULL #3	2.27	2.49	2.46	2.15	
PULL #4	2.35	2.33	2.35	2.22	
PULL #5	2.34	2.32	2.25	2.29	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.51	3.58		
PULL #2	3.20	3.50		
PULL #3	3.48	3.46		
PULL #4	3.56	3.51		
PULL #5	3.50	3.51		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	4.25		4.34
PULL #2	4.37	4.24		4.28
PULL #3	4.32	4.34		4.27
PULL #4	4.36	4.24		4.27
PULL #5	4.36	4.38		4.25
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636257
1 Aug 1991

CENTROIDAL DISTANCES

0 TO 1	.117992
1 TO 2	.171828
1 TO 3	.211002
1 TO 4	.280029
1 TO 5	.144267

☒ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0742
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0298
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0799605

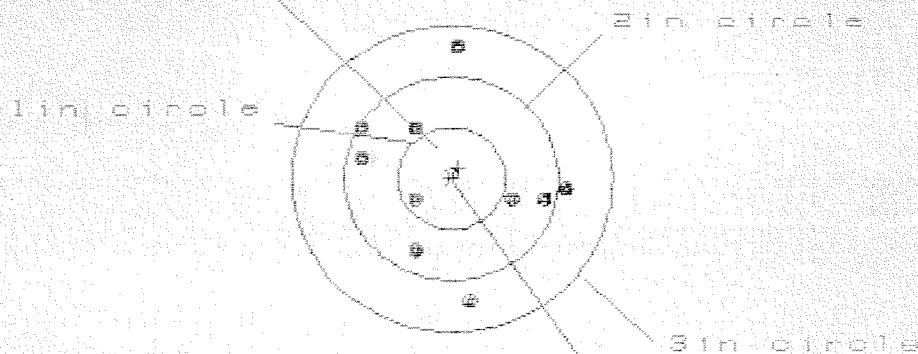
THE AMR FOR THIS RIFLE IS: 1.156

1 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B36257

CENTERFIRE PATTERNS # 1

POB



OF SHOTS= 10

IN CIR

1in = 1

2in = 7

3in = 10

CENTROID *

HS= 1.951

VS= 2.424

GS= 2.429

PATTERN #

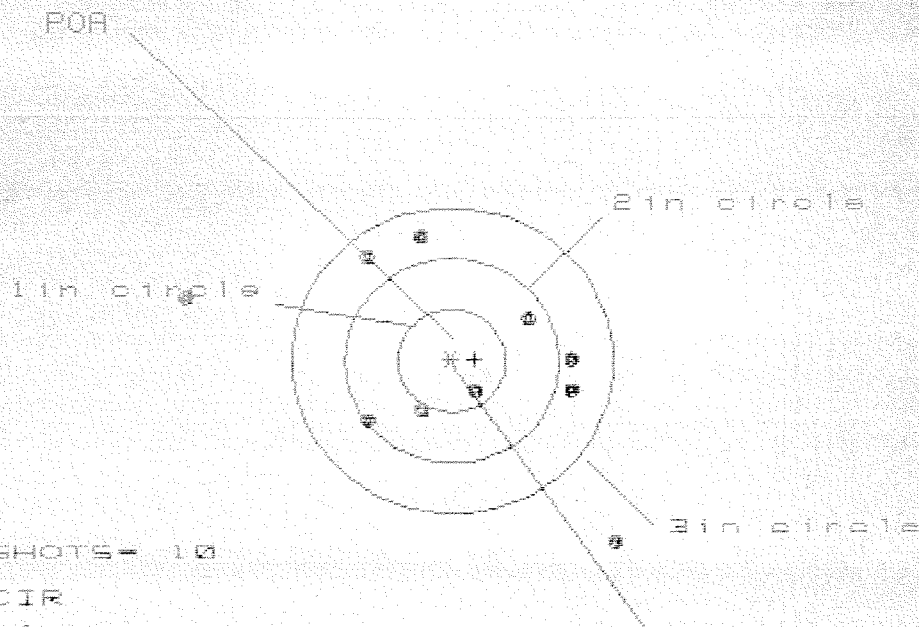
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SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.065	1.070	1.097
MINIMUM X	-0.886	-0.881	-0.854
MAXIMUM Y	1.267	.643	.516
MINIMUM Y	-1.157	-1.016	-0.657
CENTROID X	-0.061	-0.066	-0.093
CENTROID Y	-0.101	-0.242	-0.115
POB TO CENTROID in.	.110	.251	.148
MIN RADIUS	.371	.322	.336
MEAN RADIUS	.856	.798	.761
MAX RADIUS	1.268	1.071	1.101
HORIZONTAL SPREAD	1.951	1.951	1.951
VERTICAL SPREAD	2.424	1.659	1.183
EXTREME SPREAD	2.429	2.032	2.032
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

1 Aug 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS= 3.966

VS= 2.975

GS= 4.621

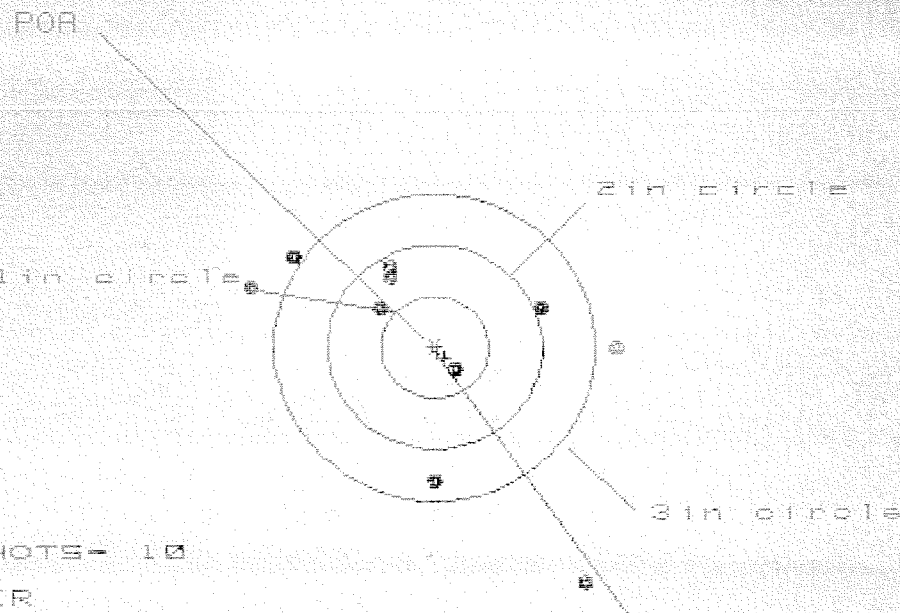
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.471	1.194	1.025
MINIMUM X	:	-2.495	-1.111	-.962
MAXIMUM Y	:	1.223	1.291	1.081
MINIMUM Y	:	-1.752	-1.684	-.717
CENTROID X	:	-.212	.065	-.084
CENTROID Y	:	-.019	-.087	.123
POA TO CENTROID in.	:	.213	.109	.149
MIN RADIUS	:	.312	.197	.393
MEAN RADIUS	:	1.246	1.062	.946
MAX RADIUS	:	2.571	2.064	1.321
HORIZONTAL SPREAD	:	3.966	2.305	1.987
VERTICAL SPREAD	:	2.975	2.975	1.798
EXTREME SPREAD	:	4.621	3.627	2.378
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

1 Aug 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 5

HS= 3.453

VS= 3.199

GS= 4.295

CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.697	1.846	1.645
MINIMUM X	-1.756	-1.607	-1.321
MAXIMUM Y	.850	.589	.635
MINIMUM Y	-2.349	-1.528	-1.482
CENTROID X	-.090	-.239	-.039
CENTROID Y	.100	.369	.323
POR TO CENTROID in.	.140	.440	.325
MIN RADIUS	.303	.392	.457
MEAN RADIUS	1.280	1.062	1.003
MAX RADIUS	2.705	1.860	1.655
HORIZONTAL SPREAD	3.453	3.453	2.966
VERTICAL SPREAD	3.199	2.117	2.117
EXTREME SPREAD	4.295	3.503	3.075
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	5		

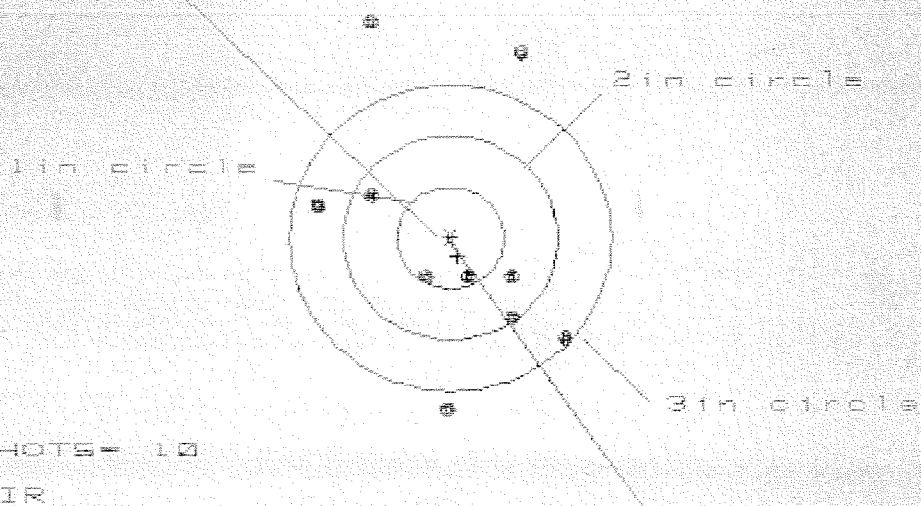
1 Aug 1991

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CENTERFIRE PATTERNS

4

POB



OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 7

HS = 2.326

VS = 3.718

GS = 3.778

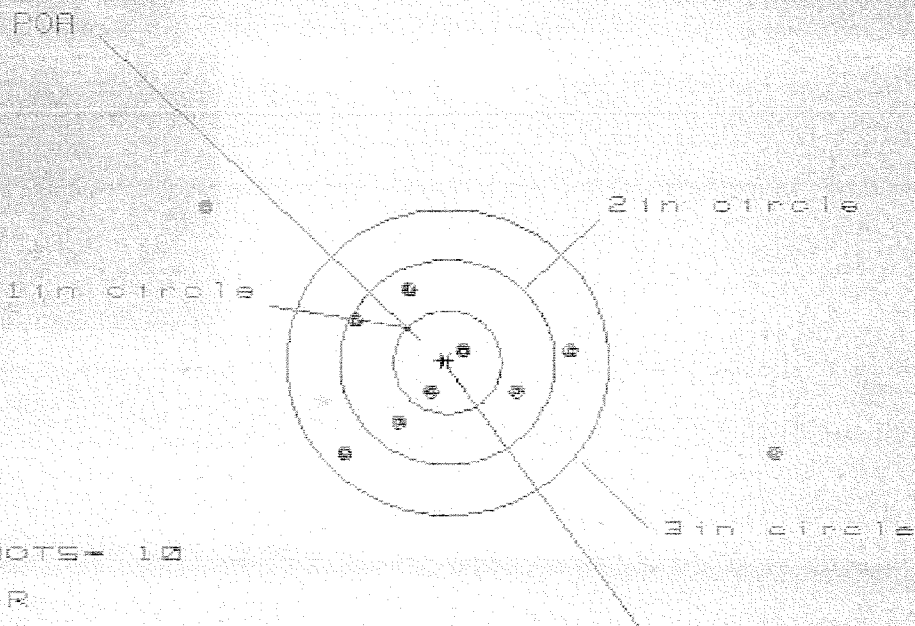
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.090	1.010	1.079
MINIMUM X	:	-1.236	-1.316	-1.246
MAXIMUM Y	:	2.080	2.028	1.916
MINIMUM Y	:	-1.638	-1.407	-1.153
CENTROID X	:	-.065	.015	-.055
CENTROID Y	:	.179	-.052	-.306
POB TO CENTROID in.	:	.190	.054	.311
MIN RADIUS	:	.454	.213	.201
MEAN RADIUS	:	1.193	1.010	.894
MAX RADIUS	:	2.201	2.102	1.474
HORIZONTAL SPREAD	:	2.326	2.326	2.326
VERTICAL SPREAD	:	3.718	3.435	2.069
EXTREME SPREAD	:	3.778	3.501	2.654
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

1 Aug 1981

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 5.325

VS= 2.416

GS= 5.832

CENTROID *

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	3.058	1.450	1.209
MINIMUM X	-2.267	-1.927	-.815
MAXIMUM Y	1.500	1.403	.828
MINIMUM Y	-.916	-1.013	-.838
CENTROID X	.057	-.283	-.042
CENTROID Y	-.018	.079	-.096
POA TO CENTROID in.	.060	.294	.105
MIN RADIUS	.230	.466	.233
MEAN RADIUS	1.207	.997	.765
MAX RADIUS	3.182	2.384	1.228
HORIZONTAL SPREAD	5.325	3.377	2.024
VERTICAL SPREAD	2.416	2.416	1.666
EXTREME SPREAD	5.832	3.641	2.282
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		