

C6349111

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Spread®

No. 2-152-51

Remington®
REG. U.S. PAT. & TM. OFF.

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

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

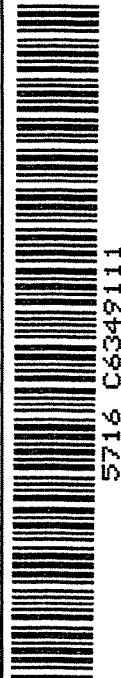
MODEL 700™ H24

SERIAL NO.
C6349111

ORDER NO.
5716

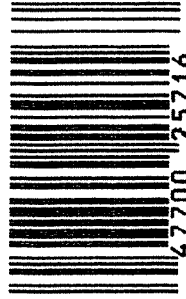
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6349111

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349111

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	90	Rw
600	Proof	4 12	90	A
607	Check Headspace	4 12	90	A
610	Dis-assemble Gun	4 12	90	Rw
612	Magnaflux Barrel Action	4-19-90		KCR
	Magnaflux Bolt	4-19-90		KCR
615	Rollmark Caliber	4-19-90		SA
617	Drill and Tap Sight Holes		4/23/90	LB
618	Polish Barrel RB		4/24/90	WB
620	Apply Coatings (Barrel Action)		4/28/90	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/1/90	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/90	Rw
	C) Inspect Ejector Hole for Chamfer		5/1/90	Rw
	D) Oil Firing Pin Ass'y		5/1/90	Rw
	E) Adjust Trigger Pull to Min Setting and Stake		5/15/90	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/15/90	JK
	G) Safety Off Force	3	3	3			5/15/90	JK
	H) Trigger Pull Test & Retainability						5/15/90	JK
	I) Firing Pin Indent	.0235	.0235	.0235			5/15/90	JK
	J) Assemble Stock						5/16/90	RW
	K) Assemble Swivel Studs						4/13/90	JK
	L) Attach Front and Rear Sight Assemblies						5/16/90	RW
	M) Iron Sight Alignment						5/16/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/16/90	RW
	O) Attach Scope to Rifle						5/16/90	JK
	P) Detach & Attach Scope 20 Times						5/16/90	JK
640	Gallery Target & Test						5-16-90	AC
	A) Time						5-16-90	AC
	B) Malfunctions						5-16-90	AC
	C) Pierced Primers						5-16-90	AC
	D) Optical Clarity of Scope						5-16-90	AC
645	Inspect for Live Ammo						5-16-90	AC
655	Final Inspection							
	A) Headspace						6/13/90	JK
	B) Trigger Pull	2.62	2.58	2.68	2.67	2.74	6/13/90	G.S.
	C) Function						6/13/90	JK
660	Pack						6-19-90	PH

TMMI

SWS TRIGGER PULL TESTAVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349111DATE 5/15/90TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.38	2.40	262	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.35	2.36	258	
PULL #3	2.33	2.24	2.50	268	
PULL #4	2.16	2.49	2.42	267	
PULL #5	2.38	2.45	2.35	274	
TOTAL	11.62	11.91	12.03		
AVG.	2.324	2.382	2.406		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.44		
PULL #2	3.35	3.44		
PULL #3	3.50	3.46		
PULL #4	3.40	3.43		
PULL #5	3.34	3.41		
TOTAL	17.03	17.18		
AVG.	3.406	3.436		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.52		4.32
PULL #2	4.42	4.38		4.40
PULL #3	4.42	4.44		4.40
PULL #4	4.38	4.42		4.47
PULL #5	4.38	4.35		4.49
TOTAL	21.90	22.11		22.08
AVG.	4.38	4.422		4.416

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349111
17 May 1990

CENTROIDAL DISTANCES

0 TO	1	.473973
1 TO	2	.0539351
1 TO	3	.439902
1 TO	4	.198313
1 TO	5	.326267

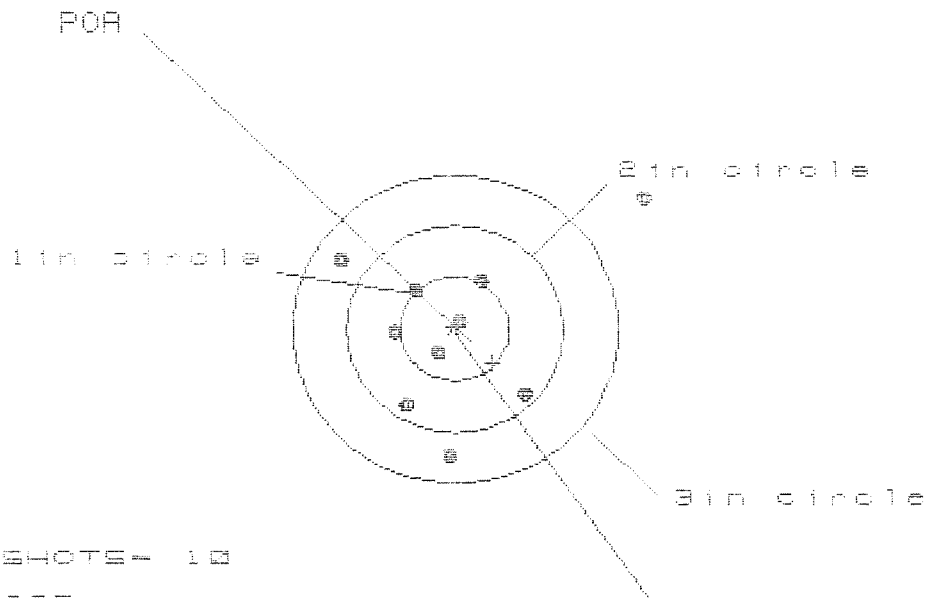
$\bar{x}_c$ <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2144
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1922
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .287938
THE AMR FOR THIS RIFLE IS: .8404

17 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349111

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HE= 2.760

VS= 2.511

GS= 3.092

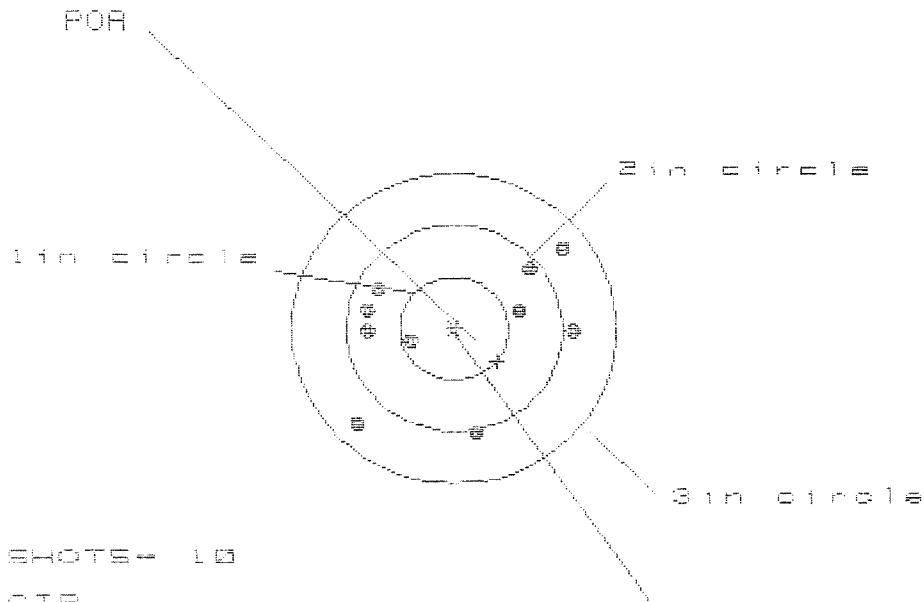
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.750	.819	.936
MINIMUM X	-1.010	-.816	-.799
MAXIMUM Y	1.307	.789	.656
MINIMUM Y	-1.204	-1.058	-.732
CENTROID X	-.345	-.539	-.556
CENTROID Y	.325	.179	.311
POR TO CENTROID in.	.473	.568	.638
MIN RADIUS	.077	.129	.231
MEAN RADIUS	.840	.662	.601
MAX RADIUS	2.184	1.135	1.034
HORIZONTAL SPREAD	2.760	1.635	1.635
VERTICAL SPREAD	2.511	1.847	1.388
EXTREME SPREAD	3.092	2.079	2.067
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

17 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/08349111

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 1.987

VS= 1.871

GS= 2.531

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.106	1.214	1.117
MINIMUM X	:	-.881	-.773	-.829
MAXIMUM Y	:	.818	.703	.601
MINIMUM Y	:	-1.053	-.962	-1.054
CENTROID X	:	-.398	-.506	-.409
CENTROID Y	:	.315	.224	.326
POR TO CENTROID in.	:	.508	.553	.523
MIN RADIUS	:	.444	.316	.437
MEAN RADIUS	:	.923	.865	.836
MAX RADIUS	:	1.268	1.230	1.117
HORIZONTAL SPREAD	:	1.987	1.987	1.946
VERTICAL SPREAD	:	1.871	1.665	1.665
EXTREME SPREAD	:	2.531	2.228	1.948
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

17 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349111

CENTERFIRE PATTERNS # 3

POB

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 10

HS = 2.228

VS = 2.195

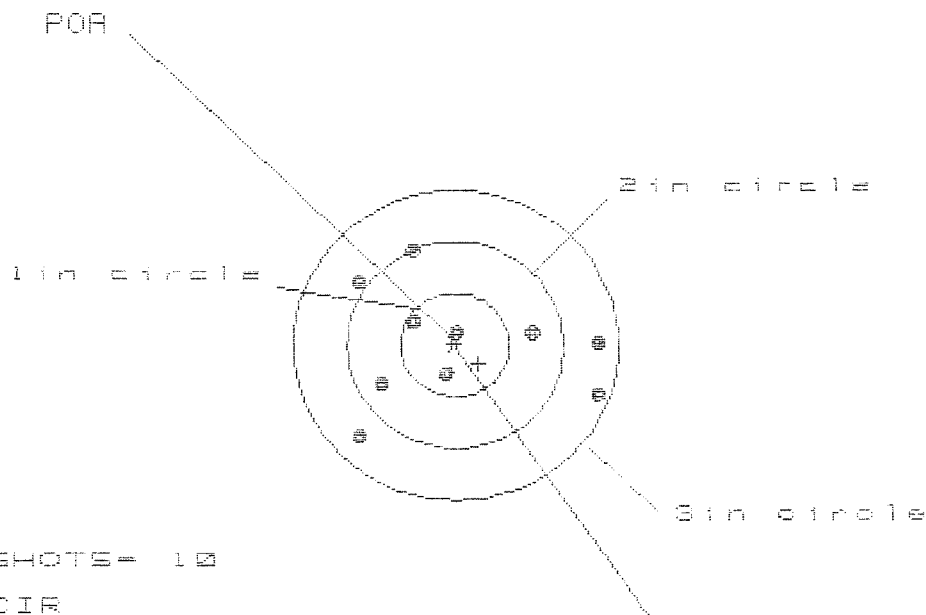
GS = 2.428

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.089	1.172	1.304
MINIMUM X	:	-1.139	-1.056	-.924
MAXIMUM Y	:	1.039	.814	.742
MINIMUM Y	:	-1.156	-1.040	-1.112
CENTROID X	:	-.028	-.111	-.243
CENTROID Y	:	.020	-.096	-.024
POB TO CENTROID in.	:	.035	.146	.244
MIN RADIUS	:	.431	.419	.309
MEAN RADIUS	:	.913	.867	.795
MAX RADIUS	:	1.278	1.213	1.326
HORIZONTAL SPREAD	:	2.228	2.228	2.228
VERTICAL SPREAD	:	2.195	1.854	1.854
EXTREME SPREAD	:	2.428	2.280	2.280
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

17 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349111

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 2.265

VS= 1.800

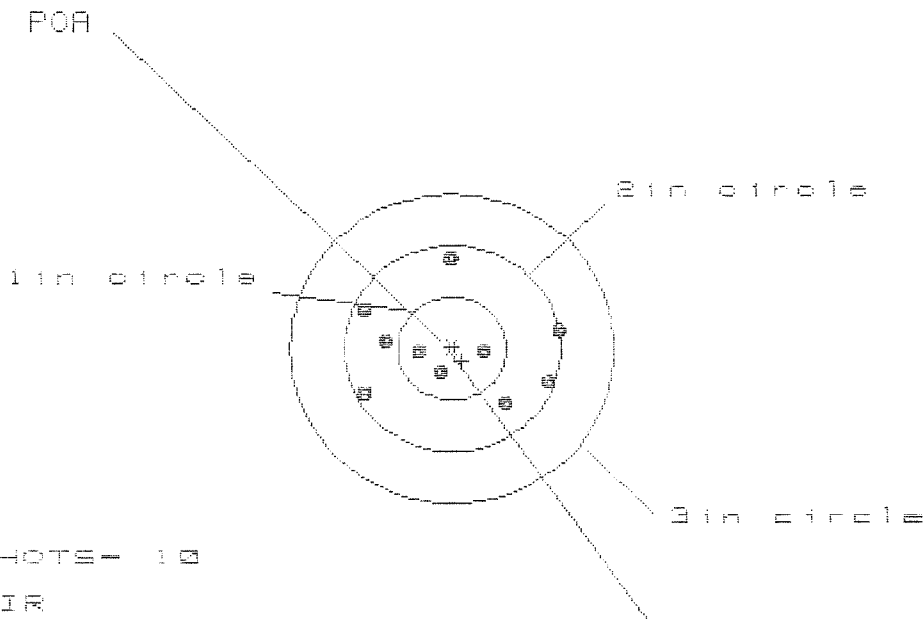
CS= 2.497

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.341	1.474	1.635
MINIMUM X	:	-.924	-.776	-.591
MAXIMUM Y	:	.893	.840	.834
MINIMUM Y	:	-.907	-.960	-.956
CENTROID X	:	-.213	-.361	-.546
CENTROID Y	:	.177	.230	.236
POA TO CENTROID in.	:	.277	.428	.594
MIN RADIUS	:	.114	.158	.220
MEAN RADIUS	:	.841	.756	.654
MAX RADIUS	:	1.420	1.475	1.117
HORIZONTAL SPREAD	:	2.265	2.250	1.626
VERTICAL SPREAD	:	1.800	1.800	1.800
EXTREME SPREAD	:	2.497	2.400	1.904
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

17 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349111

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 9

3 in = 10

HS= 1.884

VS= 1.372

GS= 1.886

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.036	1.029	.729
MINIMUM X	:	-.848	-.733	-.604
MAXIMUM Y	:	.827	.850	.807
MINIMUM Y	:	-.545	-.522	-.565
CENTROID X	:	-.088	-.203	-.332
CENTROID Y	:	.124	.101	.144
POA TO CENTROID in.	:	.152	.227	.362
MIN RADIUS	:	.225	.181	.100
MEAN RADIUS	:	.685	.626	.548
MAX RADIUS	:	1.058	1.087	.923
HORIZONTAL SPREAD	:	1.884	1.762	1.333
VERTICAL SPREAD	:	1.372	1.372	1.372
EXTREME SPREAD	:	1.996	1.865	1.583
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	