

C6349050

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington® REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

DU PONT

SERIAL NO. C6349050

ORDER NO. 5716

Q1

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

UPC

0 47700 25716 7



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349050

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 12	90	RW
600	Proof	1 12	90	A
607	Check Headspace	1 12	90	A
610	Dis-assemble Gun	1 12	90	RW
612	Magnaflux Barrel Action	1-16-90		KCR
	Magnaflux Bolt	1-17-90		KCR
615	Rollmark Caliber		1/17/90	GS
617	Drill and Tap Sight Holes		1/19/90	FB
618	Polish Barrel RB		1/22/90	WB
620	Apply Coatings (Barrel Action)		1-30-90	TA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		1/24/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/24/90	RW
	C) Inspect Ejector Hole for Chamfer		1/24/90	RW
	D) Oil Firing Pin Ass'y		1/24/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1/26/90	GS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			2-2-90	ML
	G) Safety Off Force	3	3	3			2-2-90	ML
	H) Trigger Pull Test & Retainability						1/26/90	WB
	I) Firing Pin Indent	.0205	.021	.021			2-2-90	ML
	J) Assemble Stock						2/28/90	RW
	K) Assemble Swivel Studs						3/12/90	WB
	L) Attach Front and Rear Sight Assemblies						2/28/90	RW
	M) Iron Sight Alignment						2/28/90	RW
	N) Detach Front & Rear Sights & place in numbered container						2/28/90	RW
	O) Attach Scope to Rifle						3/1/90	WB
	P) Detach & Attach Scope 20 Times						3/1/90	WB
640	Gallery Target & Test						3-2-90	A
	A) Time						"	A
	B) Malfunctions						"	A
	C) Pierced Primers						"	A
	D) Optical Clarity of Scope						"	A
645	Inspect for Live Ammo						3-2-90	A
655	Final Inspection						3/12/90	WB
	A) Headspace							
	B) Trigger Pull	2.53	2.41	2.52	2.44	2.45	3/12/90	GS
	C) Function						3/12/90	WB
660	Pack						20 Mar 90	GS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6349050

DATE 1 Feb 90

TESTER Q12

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.75	2.01	2.17	2.53	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.41	2.02	2.71	
PULL #3	2.12	2.45	2.06	2.52	
PULL #4	2.09	2.38	2.37	2.44	
PULL #5	2.03	2.12	2.30	2.45	
TOTAL	11.33	11.37	10.92		
AVG.	2.266	2.274	2.184		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	2.85		
PULL #2	2.94	2.43		
PULL #3	3.28	3.24		
PULL #4	3.18	3.18		
PULL #5	2.97	3.02		
TOTAL	15.67	15.22		
AVG.	3.134	3.044		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.07	4.17		4.39
PULL #2	4.34	4.13		4.57
PULL #3	4.31	4.14		4.59
PULL #4	4.08	4.24		4.36
PULL #5	4.21	3.79		4.52
TOTAL	21.01	20.47		22.65
AVG.	4.202	4.094		4.53

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349050
3 Mar 1990

CENTROIDAL DISTANCES

0 TO	1	.215801
1 TO	2	.354532
1 TO	3	.179246
1 TO	4	.289171
1 TO	5	.685557

$\bar{x}_5$ <----POA

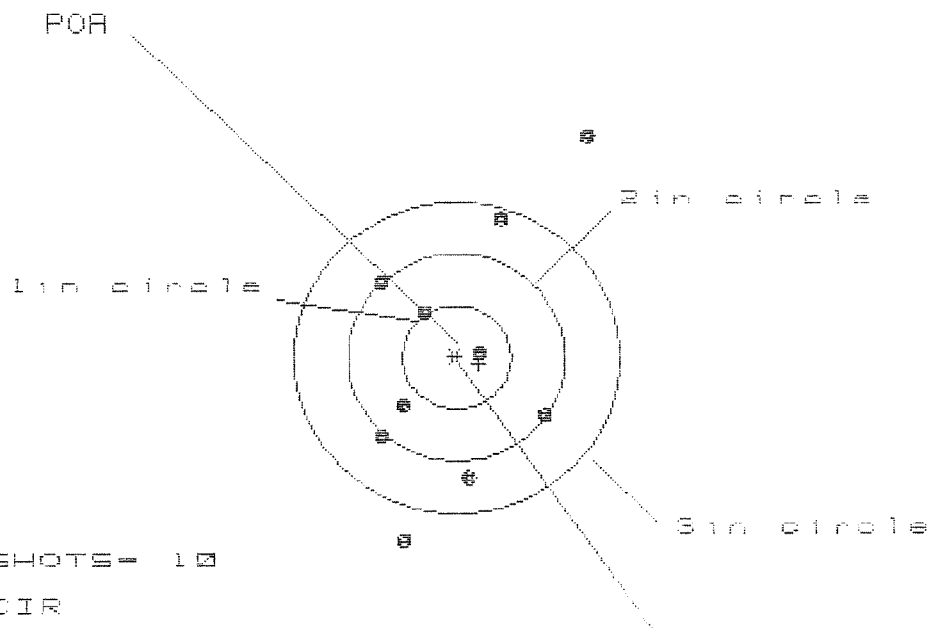
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0062
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0646
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0648968

THE AME FOR THIS RIFLE IS: 1.116

2 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349050

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HM = 1.910

VS = 3.896

GS = 4.226

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.192	.948	.909
MINIMUM X	-.718	-.585	-.624
MAXIMUM Y	2.132	1.526	1.335
MINIMUM Y	-1.764	-1.527	-1.110
CENTROID X	-.207	-.340	-.301
CENTROID Y	.061	-.176	.015
POA TO CENTROID in.	.216	.383	.301
MIN RADIUS	.181	.432	.285
MEAN RADIUS	1.123	.958	.868
MAX RADIUS	2.443	1.607	1.413
HORIZONTAL SPREAD	1.910	1.533	1.533
VERTICAL SPREAD	3.896	3.053	2.445
EXTREME SPREAD	4.226	3.160	2.455
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

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FILE:/PATTERNING/CENTERFIRE_PATT/C6349050

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 9

HS = 2.278

VS = 2.749

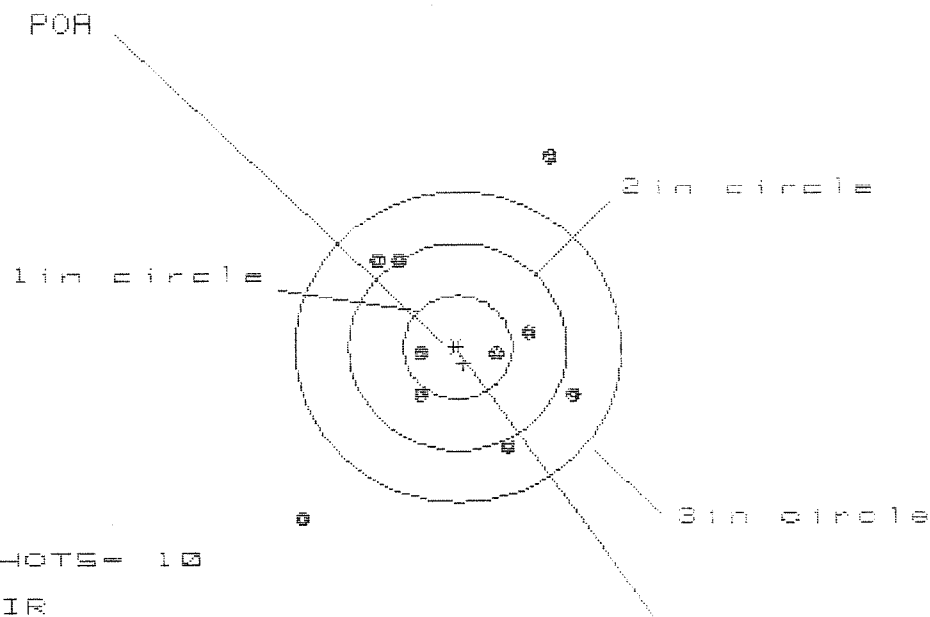
GS = 3.021

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.427	1.332	.664
MINIMUM X	:	-.851	-.909	-.742
MAXIMUM Y	:	1.444	1.443	1.415
MINIMUM Y	:	-1.385	-1.145	-1.173
CENTROID X	:	.131	.226	.059
CENTROID Y	:	-.046	-.206	-.178
POA TO CENTROID in.	:	.139	.306	.187
MIN RADIUS	:	.252	.405	.258
MEAN RADIUS	:	1.032	.953	.880
MAX RADIUS	:	1.676	1.448	1.442
HORIZONTAL SPREAD	:	2.278	2.241	1.486
VERTICAL SPREAD	:	2.749	2.588	2.588
EXTREME SPREAD	:	3.021	2.595	2.595
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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FILE:/PATTERNING/CENTERFIRE_PATT/C6349050

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 2.416

VS = 3.527

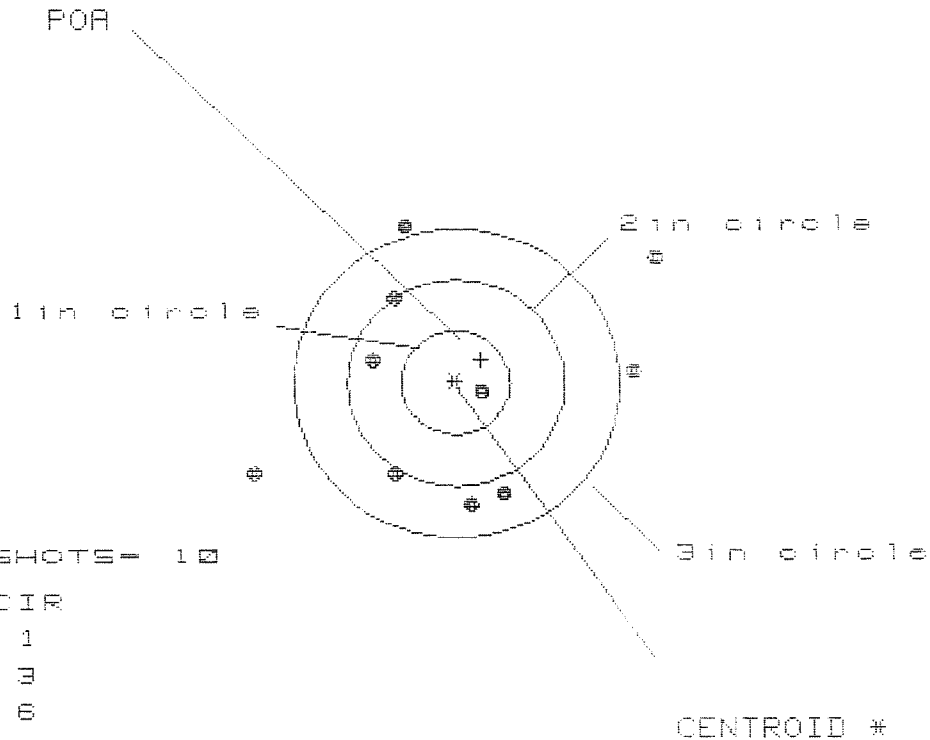
GS = 4.201

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.017
MINIMUM X	-1.399
MAXIMUM Y	1.882
MINIMUM Y	-1.645
CENTROID X	-.055
CENTROID Y	.156
POA TO CENTROID in.	.166
MIN RADIUS	.330
MEAN RADIUS	1.045
MAX RADIUS	2.160
HORIZONTAL SPREAD	2.416
VERTICAL SPREAD	3.527
EXTREME SPREAD	4.201
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	8

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FILE:/PATTERNING/CENTERFIRE_PATT/08349050

CENTERFIRE PATTERNS # 4



HS= 3.728

VS= 2.734

CS= 4.269

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.822	1.868	1.655
MINIMUM X	:	-1.906	-1.703	-1.794
MAXIMUM Y	:	1.541	1.678	1.590
MINIMUM Y	:	-1.193	-1.056	-1.144
CENTROID X	:	-.233	-.436	-.223
CENTROID Y	:	-.227	-.364	-.276
POA TO CENTROID in.	:	.325	.568	.355
MIN RADIUS	:	.222	.418	.201
MEAN RADIUS	:	1.304	1.187	1.090
MAX RADIUS	:	2.202	1.892	1.669
HORIZONTAL SPREAD	:	3.728	3.571	2.449
VERTICAL SPREAD	:	2.734	2.734	2.734
EXTREME SPREAD	:	4.269	3.711	2.791
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

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FILE:/PATTERNING/CENTERFIRE_PATT/06349050

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 7

HS= 2.548

VS= 2.990

GS= 3.541

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.638	1.129	1.246
MINIMUM X	:	-.910	-.728	-.586
MAXIMUM Y	:	1.518	1.390	1.190
MINIMUM Y	:	-1.472	-1.600	-.904
CENTROID X	:	.395	.213	.071
CENTROID Y	:	-.267	-.139	.061
POA TO CENTROID in.	:	.476	.254	.094
MIN RADIUS	:	.138	.100	.345
MEAN RADIUS	:	1.074	.918	.762
MAX RADIUS	:	2.004	1.959	1.338
HORIZONTAL SPREAD	:	2.548	1.857	1.832
VERTICAL SPREAD	:	2.990	2.990	2.094
EXTREME SPREAD	:	3.541	3.407	2.324
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	