

C6349102

MODEL 700™ M24

Model **SMS**™

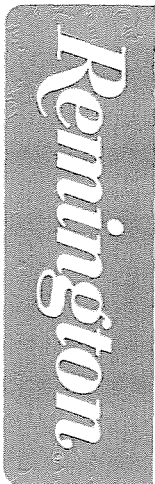
Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.



Remington[®]

MODEL 700[™] H24

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

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

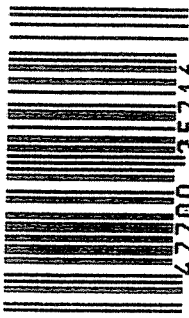
DU PONT
REG. U.S. PAT. & T.M. OFF.

SERIAL NO. C6349102	01
ORDER NO. 5716	



5716 C6349102

LIPC



0 47700 25716 7

replaced

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349102

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	12-20	89	RW
600	Proof	12-20	89	A
607	Check Headspace	12-20	89	A
610	Dis-assemble Gun	12-20	89	RW
612	Magnaflux Barrel Action	1-5-90		KER
	Magnaflux Bolt	1-5-90		
615	Rollmark Caliber		1/5/90	JS
617	Drill and Tap Sight Holes		1/8/90	LB
618	Polish Barrel <i>LB</i>		1/9/90	WB
620	Apply Coatings (Barrel Action)		1-15-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/17/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/17/90	RW
	C) Inspect Ejector Hole for Chamfer		1/17/90	RW
	D) Oil Firing Pin Ass'y		1/17/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		24/1/90	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			1-25-90	JL
	G) Safety Off Force	3	3	3			1-25-90	JL
	H) Trigger Pull Test & Retainability						24 Jan 90	JS
	I) Firing Pin Indent	.023	.023	.023			1-25-90	JL
	J) Assemble Stock						1/29/90	RW
	K) Assemble Swivel Studs						1/31/90	WB
	L) Attach Front and Rear Sight Assemblies						1/29/90	RW
	M) Iron Sight Alignment						1/29/90	RW
	N) Detach Front & Rear Sights & place in numbered container						1/29/90	RW
	O) Attach Scope to Rifle						2/28/90	WB
	P) Detach & Attach Scope 20 Times						2/28/90	WB
640	Gallery Target & Test						3-1-90	A
	A) Time						11	A
	B) Malfunctions						11	A
	C) Pierced Primers						11	A
	D) Optical Clarity of Scope						11	A
645	Inspect for Live Ammo						3-1-90	A
655	Final Inspection						3/12/90	WB
	A) Headspace							
	B) Trigger Pull	2.64	2.50	2.49	2.51	2.40	3/12/90	ES
	C) Function						3/12/90	WB
660	Pack						19 March 90	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349102

DATE 24 Jan 90

TESTER Des

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.62	2.18	2.89	2.64	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.74	2.21	2.80	2.50	
PULL #3	2.60	2.25	2.52	2.49	
PULL #4	2.53	2.27	2.53	2.51	
PULL #5	2.74	2.18	2.6	2.90	
TOTAL	1323	1109	1335	1254	
AVG.	2.646	2.218	2.67	2.508	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.08	2.89		
PULL #2	3.11	3.05		
PULL #3	3.27	3.11		
PULL #4	2.98	3.17		
PULL #5	3.15	3.11		
TOTAL	1559	1533		
AVG.	3.118	3.066		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.09	4.03		3.98
PULL #2	4.20	4.24		3.96
PULL #3	4.30	4.20		3.97
PULL #4	4.29	4.22		3.87
PULL #5	4.06	4.18		3.76
TOTAL	2094	2089		1954
AVG.	4.188	4.178		3.908

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349102
2 Mar 1990

CENTROIDAL DISTANCES

Ø TO	1	.201316
1 TO	2	.852253
1 TO	3	.208062
1 TO	4	.242854
1 TO	5	.295652

2 3 4 5 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.237
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0138
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .237401
THE AMR FOR THIS RIFLE IS: 1.129

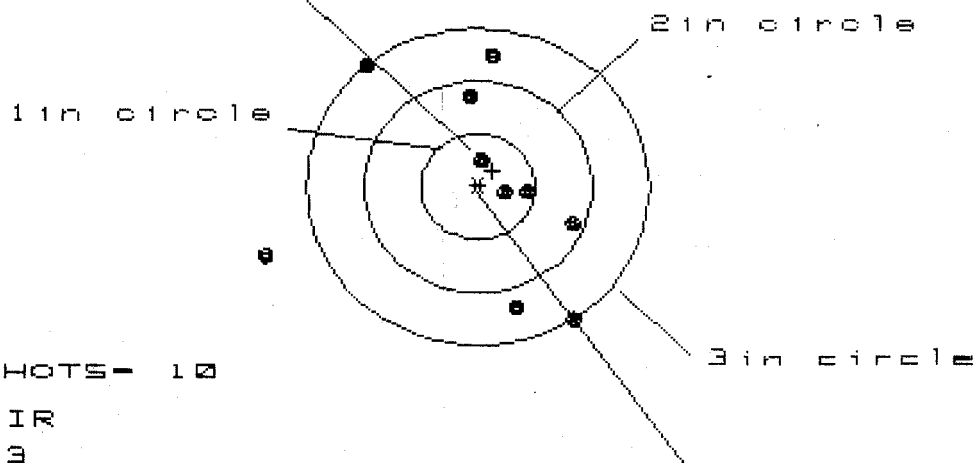
1 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349102

CENTERFIRE PATTERNS

1

POA



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS = 2.718

VS = 2.472

GS = 2.882

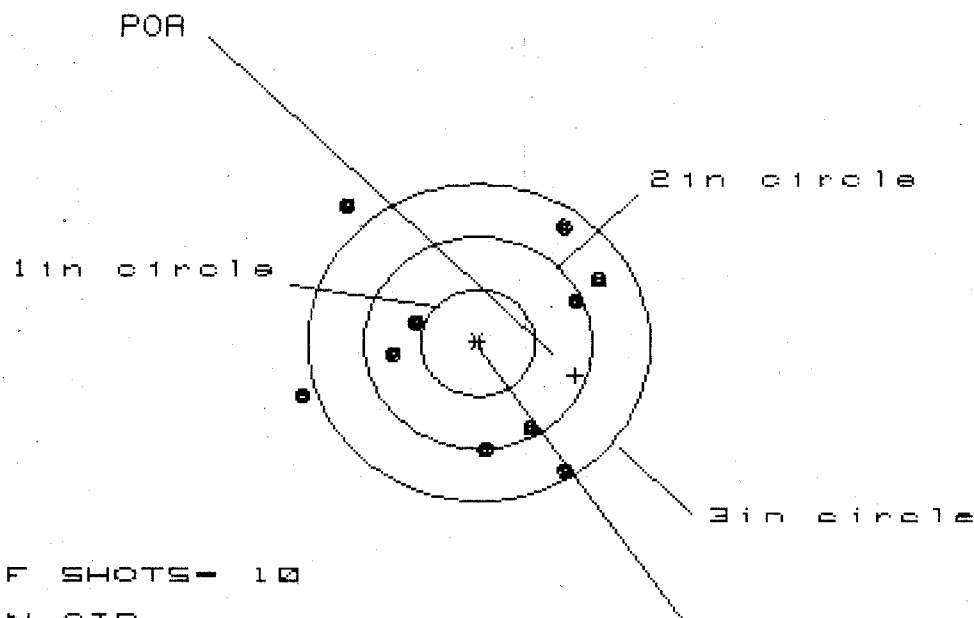
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.868	.662	.737
MINIMUM X	:	-1.850	-1.126	-1.050
MAXIMUM Y	:	1.269	1.195	1.035
MINIMUM Y	:	-1.203	-1.277	-1.377
CENTROID X	:	-.132	.074	-.001
CENTROID Y	:	-.152	-.078	.082
POA TO CENTROID in.	:	.201	.107	.082
MIN RADIUS	:	.225	.107	.155
MEAN RADIUS	:	1.005	.849	.781
MAX RADIUS	:	1.966	1.526	1.397
HORIZONTAL SPREAD	:	2.718	1.788	1.788
VERTICAL SPREAD	:	2.472	2.472	2.412
EXTREME SPREAD	:	2.882	2.882	2.591
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	9		

1 Mar 1990

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in - 0

2in - 5

3in = 8

HS- 2.654

VS= 2.508

GS= 3.127

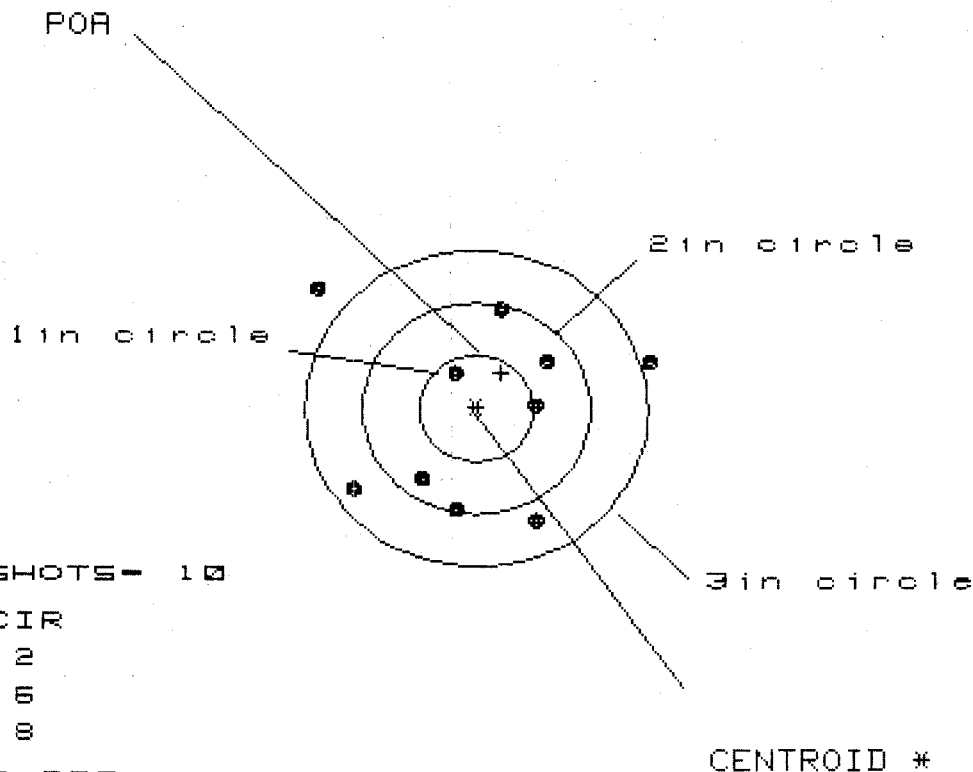
CENTROID +

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.074	.949	.736
MINIMUM X	:	-1.580	-1.705	-1.038
MAXIMUM Y	:	1.261	1.272	1.230
MINIMUM Y	:	-1.247	-1.107	-1.149
CENTROID X	:	-.852	-.727	-.514
CENTROID Y	:	.304	.164	.206
POA TO CENTROID in.	:	.905	.746	.554
MIN RADIUS	:	.628	.756	.718
MEAN RADIUS	:	1.161	1.087	.992
MAX RADIUS	:	1.689	1.738	1.292
HORIZONTAL SPREAD	:	2.654	2.654	1.774
VERTICAL SPREAD	:	2.508	2.379	2.379
EXTREME SPREAD	:	3.127	2.879	2.379
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	8		

1 Mar 1998

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS = 2.962

VS = 2.207

GS = 3.056

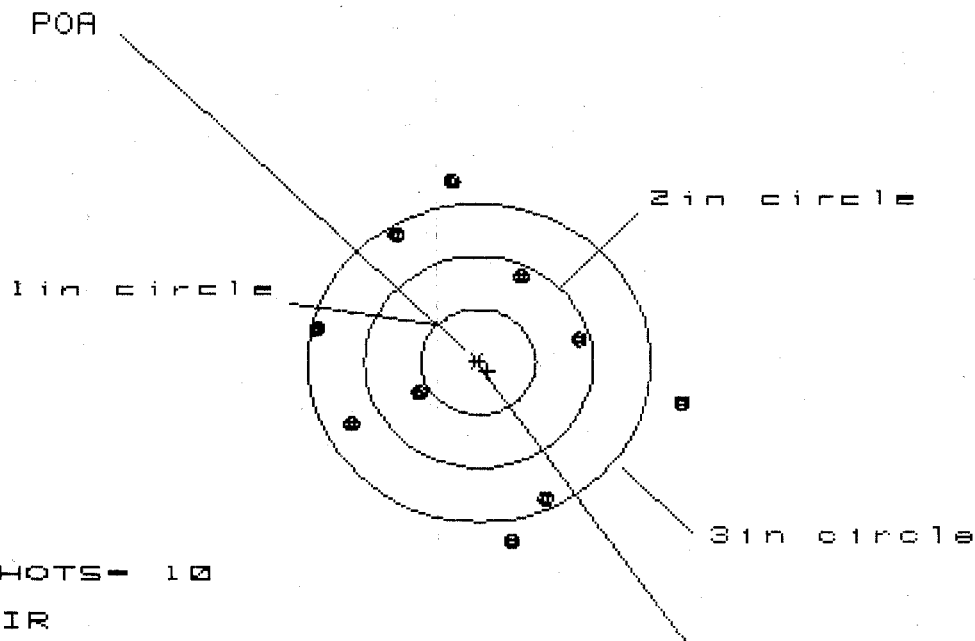
PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.537	1.378	.641
MINIMUM X	:	-1.425	-1.264	-1.091
MAXIMUM Y	:	1.173	1.079	1.148
MINIMUM Y	:	-1.034	-.904	-.835
CENTROID X	:	-.219	-.060	-.233
CENTROID Y	:	-.341	-.471	-.540
POA TO CENTROID in.	:	.405	.475	.588
MIN RADIUS	:	.362	.378	.548
MEAN RADIUS	:	1.035	.933	.860
MAX RADIUS	:	1.846	1.485	1.238
HORIZONTAL SPREAD	:	2.962	2.642	1.732
VERTICAL SPREAD	:	2.207	1.983	1.983
EXTREME SPREAD	:	3.056	2.904	2.181
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	8		

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CENTERFIRE PATTERNS

4



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 3

3 in = 7

HS = 3.199

VS = 3.466

GS = 3.506

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.813

1.095

1.087

MINIMUM X

-1.386

-1.185

-1.193

MAXIMUM Y

1.747

1.704

1.393

MINIMUM Y

-1.719

-1.762

-1.549

CENTROID X

-.079

-.280

-.272

CENTROID Y

.085

.128

-.084

POA TO CENTROID in.

.116

.308

.285

MIN RADIUS

.572

.431

.330

MEAN RADIUS

1.325

1.243

1.172

MAX RADIUS

1.854

1.822

1.614

HORIZONTAL SPREAD

3.199

2.280

2.280

VERTICAL SPREAD

3.466

3.466

2.943

EXTREME SPREAD

3.506

3.506

3.092

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

3

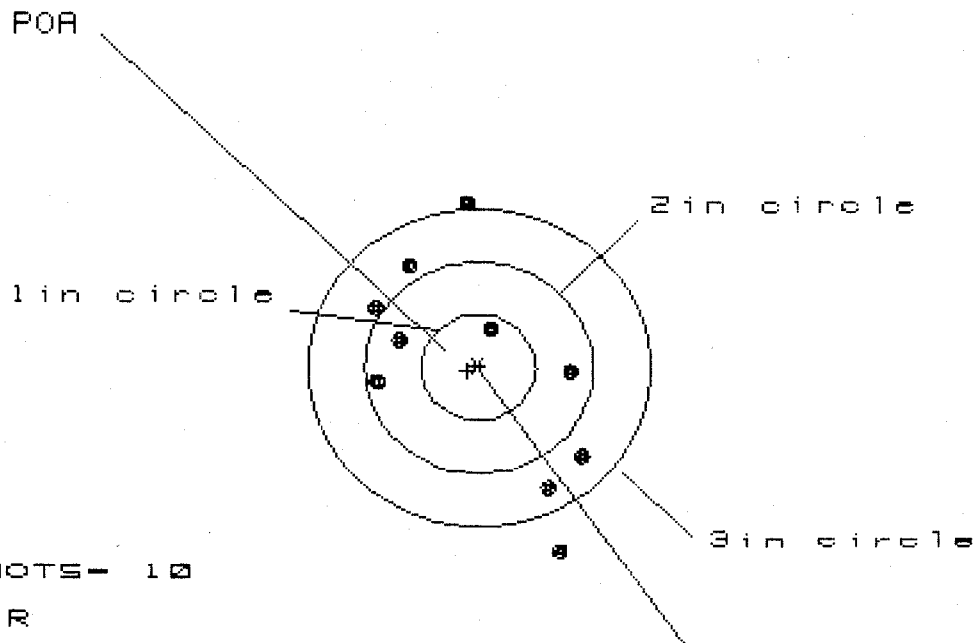
NUMBER IN THREE INCH CIRCLE =

7

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS= 1.832

VS= 3.342

GS= 3.449

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.919	1.001	.997
MINIMUM X	-.913	-.831	-.835
MAXIMUM Y	1.582	1.386	.989
MINIMUM Y	-1.760	-1.308	-1.134
CENTROID X	.097	.015	.019
CENTROID Y	.035	.231	.057
POA TO CENTROID in.	.103	.231	.060
MIN RADIUS	.400	.280	.413
MEAN RADIUS	1.116	.990	.949
MAX RADIUS	1.909	1.475	1.321
HORIZONTAL SPREAD	1.832	1.832	1.832
VERTICAL SPREAD	3.342	2.694	2.124
EXTREME SPREAD	3.449	2.786	2.446
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		