

C6349093

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

* Includes 1 in chamber.

Remington




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

MODEL 700TM H24

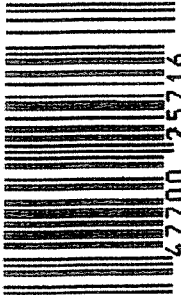
SERIAL NO.
C6349093

ORDER NO.
5716

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

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

LPC



0 47700 25716 7



5716 C6349093

RC51

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349095

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12-20 89	RW
600	Proof		12-20 89	L
607	Check Headspace		12-20 89	L
610	Dis-assemble Gun		12-20 89	RW
612	Magnaflux Barrel Action		1-5-90	KCR
	Magnaflux Bolt		1-5-90	
615	Rollmark Caliber		1/3/90	JS
7	Drill and Tap Sight Holes		1/8/90	FB
618	Polish Barrel RB		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		2/2/90	JS

op. #	OP. NAME	READINGS				DATE	INIT
625 cont.	F) Safety On Force	6	6	6		1-22-90	JS
	G) Safety Off Force	3	3	3		1-22-90	JS
	H) Trigger Pull Test & Retainability					2/2/90	JS
	I) Firing Pin Indent	.0225	.022	.022		1-22-90	JS
	J) Assemble Stock					1/29/90	RW
	K) Assemble Swivel Studs					3/15/90	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					2/18/90	WB
	P) Detach & Attach Scope 20 Times					2/18/90	WB
640	Gallery Target & Test					2-28-90	AC
	A) Time					2-28-90	AC
	B) Malfunctions					2-28-90	AC
	C) Pierced Primers					2-28-90	AC
	D) Optical Clarity of Scope					2-28-90	AC
645	Inspect for Live Ammo					2-28-90	AC
655	Final Inspection						
	A) Headspace					16 MAR 90	JS
	B) Trigger Pull	232	242	241	220 247	16 MAR 90	JS
	C) Function					16 MAR 90	JS
660	Pack					19 MAR 90	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349093

DATE 22 Jan 90

TESTER AS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.56	2.44	2.56	2.32	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.41	2.42	2.42	
PULL #3	2.45	2.43	2.40	2.41	
PULL #4	2.24	2.44	2.31	2.20	
PULL #5	2.49	2.36	2.38	2.47	
TOTAL	12.17	12.08	12.07	11.82	
AVG.	2.434	2.416	2.414	2.364	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	2.99	2.93		
PULL #2	2.98	3.09		
PULL #3	2.91	3.09		
PULL #4	2.96	2.97		
PULL #5	3.00	3.05		
TOTAL	14.84	14.93		
AVG.	2.968	2.986		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.10	4.24		3.83
PULL #2	4.05	3.79		3.78
PULL #3	4.06	4.06		3.76
PULL #4	4.12	4.07		3.76
PULL #5	4.13	4.04		3.76
TOTAL	20.46	20.20		18.89
AVG.	4.092	4.04		3.778

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349093
28 Feb 1990

CENTROIDAL DISTANCES

Ø TO	1	.394635
1 TO	2	.423359
1 TO	3	.38629
1 TO	4	.432404
1 TO	5	.499685

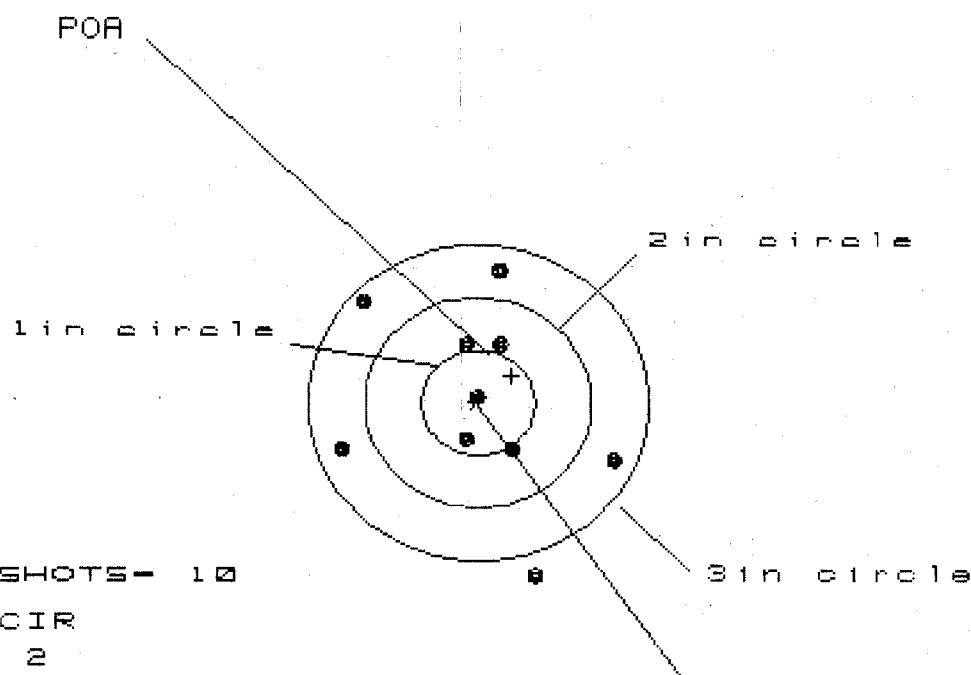
4.25 <----POA
1

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.196
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0148
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .196558
THE AMR FOR THIS RIFLE IS: .9378

26 Feb 1990

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CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in - 2

2in - 5

3in - 9

HS- 2.433

VS- 2.886

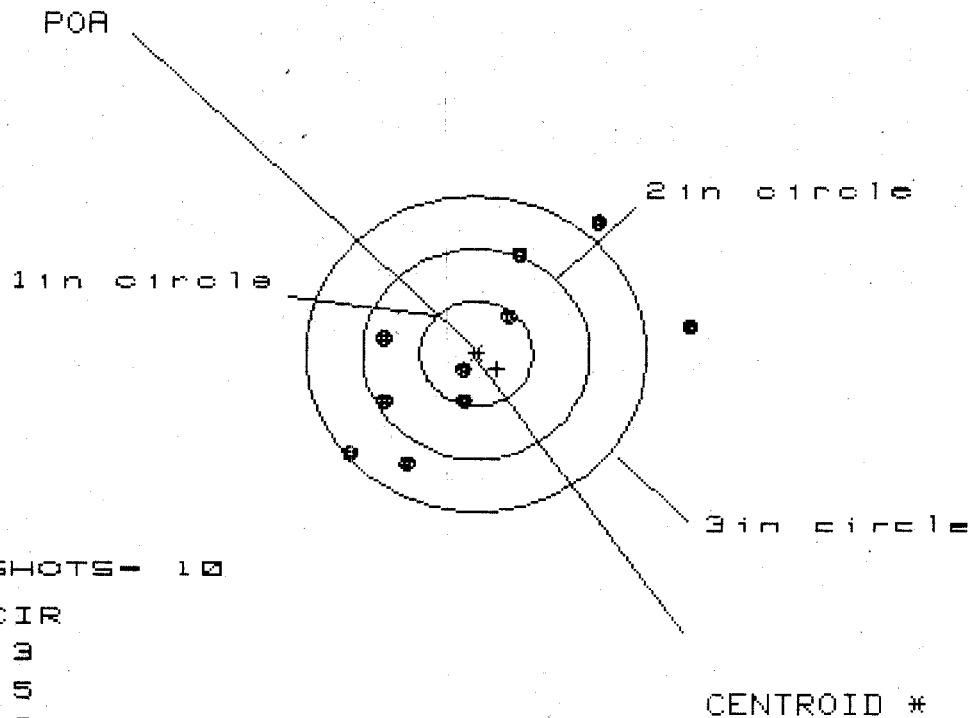
GS- 2.955

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.198	1.258	1.144
MINIMUM X	:	-1.234	-1.175	-1.289
MAXIMUM Y	:	1.266	1.086	1.178
MINIMUM Y	:	-1.620	-.721	-.629
CENTROID X	:	-.296	-.356	-.242
CENTROID Y	:	-.261	-.081	-.173
POA TO CENTROID in.	:	.395	.365	.298
MIN RADIUS	:	.070	.132	.112
MEAN RADIUS	:	.915	.817	.761
MAX RADIUS	:	1.706	1.450	1.376
HORIZONTAL SPREAD	:	2.433	2.433	2.433
VERTICAL SPREAD	:	2.886	1.807	1.807
EXTREME SPREAD	:	2.955	2.617	2.437
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	9		

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 3.040

VS= 2.307

GS= 3.236

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.914	1.265	.779
MINIMUM X	:	-1.126	-.913	-.755
MAXIMUM Y	:	1.288	1.311	1.159
MINIMUM Y	:	-1.019	-.996	-.832
CENTROID X	:	-.183	-.396	-.554
CENTROID Y	:	.147	.124	-.040
POA TO CENTROID in.	:	.235	.415	.555
MIN RADIUS	:	.205	.161	.244
MEAN RADIUS	:	1.011	.875	.726
MAX RADIUS	:	1.926	1.822	1.396
HORIZONTAL SPREAD	:	3.040	2.178	1.534
VERTICAL SPREAD	:	2.307	2.307	1.991
EXTREME SPREAD	:	3.236	3.085	2.418
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 9

3 in = 9

HS= 2.475

VS= 1.790

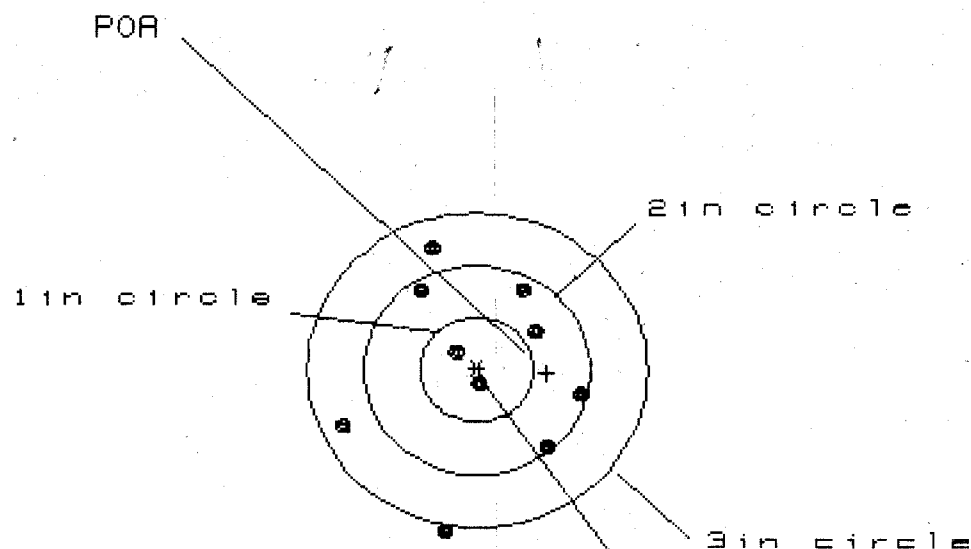
GS= 2.546

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.946	.776	.805
MINIMUM X	-1.529	-.858	-.829
MAXIMUM Y	.915	.882	.857
MINIMUM Y	-.875	-.908	-.798
CENTROID X	-.014	.156	.127
CENTROID Y	.003	.036	-.074
POA TO CENTROID in.	.014	.160	.147
MIN RADIUS	.456	.446	.470
MEAN RADIUS	.871	.772	.748
MAX RADIUS	1.558	1.053	.961
HORIZONTAL SPREAD	2.475	1.634	1.634
VERTICAL SPREAD	1.790	1.790	1.655
EXTREME SPREAD	2.546	1.947	1.759
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	9		

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CENTERFIRE PATTERNS #. 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.140

VS= 2.630

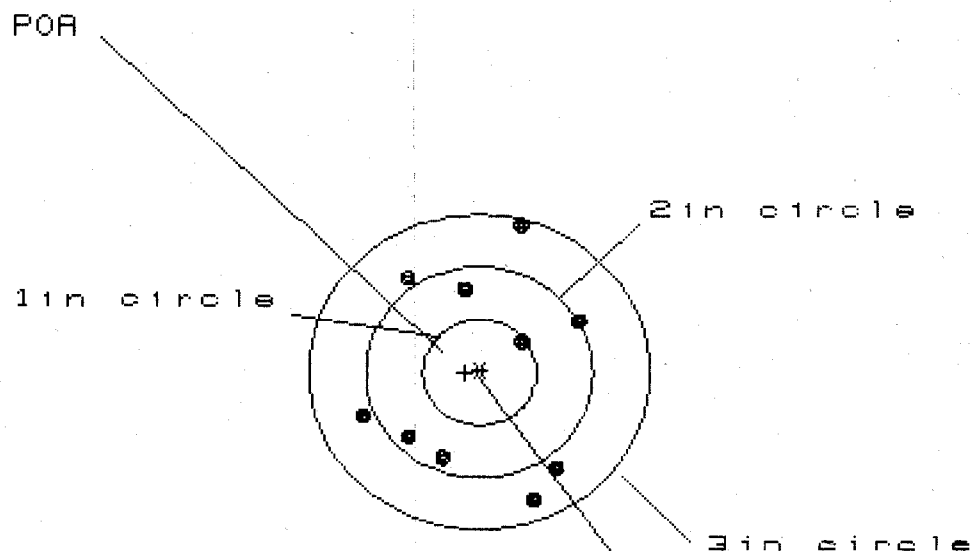
GS= 2.631

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.962	.925	.773
MINIMUM X	:	-1.178	-1.215	-.642
MAXIMUM Y	:	1.146	.981	.888
MINIMUM Y	:	-1.484	-.858	-.951
CENTROID X	:	-.614	-.577	-.425
CENTROID Y	:	.032	.197	.290
POA TO CENTROID in.	:	.615	.610	.515
MIN RADIUS	:	.150	.179	.328
MEAN RADIUS	:	.871	.778	.688
MAX RADIUS	:	1.522	1.423	1.072
HORIZONTAL SPREAD	:	2.140	2.140	1.415
VERTICAL SPREAD	:	2.630	1.839	1.839
EXTREME SPREAD	:	2.631	2.160	2.093
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in - 1

2in - 4

3in - 10

HS- 1.906

VS= 2.674

GS= 2.679

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.907	.946	1.014
MINIMUM X	:	-.999	-.960	-.892
MAXIMUM Y	:	1.438	1.066	.931
MINIMUM Y	:	-1.236	-1.076	-.850
CENTROID X	:	.127	.088	.021
CENTROID Y	:	.005	-.155	-.020
POA TO CENTROID in.	:	.127	.178	.029
MIN RADIUS	:	.485	.629	.582
MEAN RADIUS	:	1.021	.962	.921
MAX RADIUS	:	1.479	1.215	1.145
HORIZONTAL SPREAD	:	1.906	1.906	1.906
VERTICAL SPREAD	:	2.674	2.142	1.781
EXTREME SPREAD	:	2.679	2.421	2.196
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	10		