

05536039

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington



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

MODEL 700TM H24

SERIAL NO.
C6636039

ORDER NO.
5716

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



5716 C6636039

UPC



0 47700 25716

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636039

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		4/23/91	K.S.
600	Proof		4/23/91	K.S.
607	Check Headspace		4/23/91	K.S.
610	Dis-assemble Gun		4/23/91	K.S.
612	Magnaflux Barrel Action	5 8 9 1		KCR
	Magnaflux Bolt	5 3 9 1		WCB
615	Rollmark Caliber		5 1	GB
617	Drill and Tap Sight Holes	5 15 9 1		FB
618	Polish Barrel	5 15 3 1		WCB
620	Apply Coatings (Barrel Action)		5-31-91	HA
	Apply Coating (Bolt)		5-31-91	HA
625	Final Assembly A) Clean inside of Bolt Assembly		4/12/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/12/91	KS
	C) Inspect Ejector Hole for Chamfer		4/12/91	KS
	D) Oil Firing Pin Ass'y		4/12/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		6-13-91	HA

op. #	BARBER M24 0036984	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			6-13-91	DH
	G) Safety Off Force	3	3	2 1/2			6-13-91	DH
	H) Trigger Pull Test & Retainability						6-13-91	DH
	I) Firing Pin Indent	.022	.022	.021			6-13-91	DH
	J) Assemble Stock						4/13/91	KS
	K) Assemble Swivel Studs						6-15-91	DH
	L) Attach Front and Rear Sight Assemblies						4/13/91	KS
	M) Iron Sight Alignment						4/13/91	KS
	N) Detach Front & Rear Sights & place in numbered container						4/13/91	KS
	O) Attach Scope to Rifle						4/13/91	KS
	P) Detach & Attach Scope 20 Times						4/13/91	KS
640	Gallery Target & Test						6-14-91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						6-14-91	KT
655	Final Inspection							
	A) Headspace						6-15-91	DH
	B) Trigger Pull	2.12	2.15	2.17	2.19	2.20	6-15-91	DH
	C) Function						6-15-91	DH
660	Pack						6-19-91	W

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6636039DATE 6-13-91TESTER D/H

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.65	2.83	2.12	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.71	2.59	2.15	
PULL #3	2.36	2.63	2.54	2.17	
PULL #4	2.49	2.73	2.63	2.19	
PULL #5	2.49	2.55	2.52	2.20	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.18	3.65		
PULL #2	3.33	3.64		
PULL #3	3.36	3.53		
PULL #4	3.25	3.56		
PULL #5	3.45	3.69		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.29		4.66
PULL #2	4.23	4.30		4.68
PULL #3	4.15	4.00		4.50
PULL #4	4.19	3.92		4.60
PULL #5	4.15	4.05		4.24
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636039
14 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.253797
1 TO	2	.199542
1 TO	3	.409207
1 TO	4	.251543
1 TO	5	.141283

✱ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0168
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1186
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .119784
THE AMR FOR THIS RIFLE IS: .8416

14 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6836039

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 10

HS= 2.098

VS= 2.545

GS= 2.576

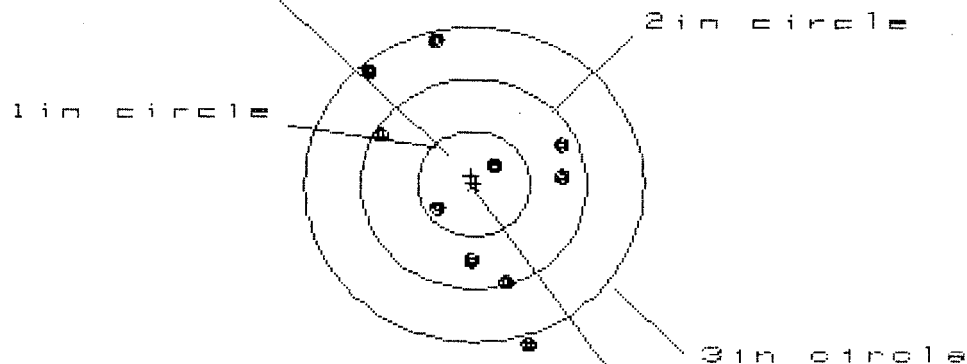
PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.925	.855	.817
MINIMUM X	:	-1.173	-1.243	-1.281
MAXIMUM Y	:	1.228	.763	.615
MINIMUM Y	:	-1.317	-1.180	-.470
CENTROID X	:	.213	.283	.321
CENTROID Y	:	-.138	-.275	-.127
POA TO CENTROID in.	:	.254	.395	.345
MIN RADIUS	:	.251	.235	.340
MEAN RADIUS	:	.773	.676	.616
MAX RADIUS	:	1.381	1.294	1.299
HORIZONTAL SPREAD	:	2.098	2.098	2.098
VERTICAL SPREAD	:	2.545	1.943	1.085
EXTREME SPREAD	:	2.576	2.099	2.099
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 2

POA



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 1.634

VS= 2.878

GS= 2.974

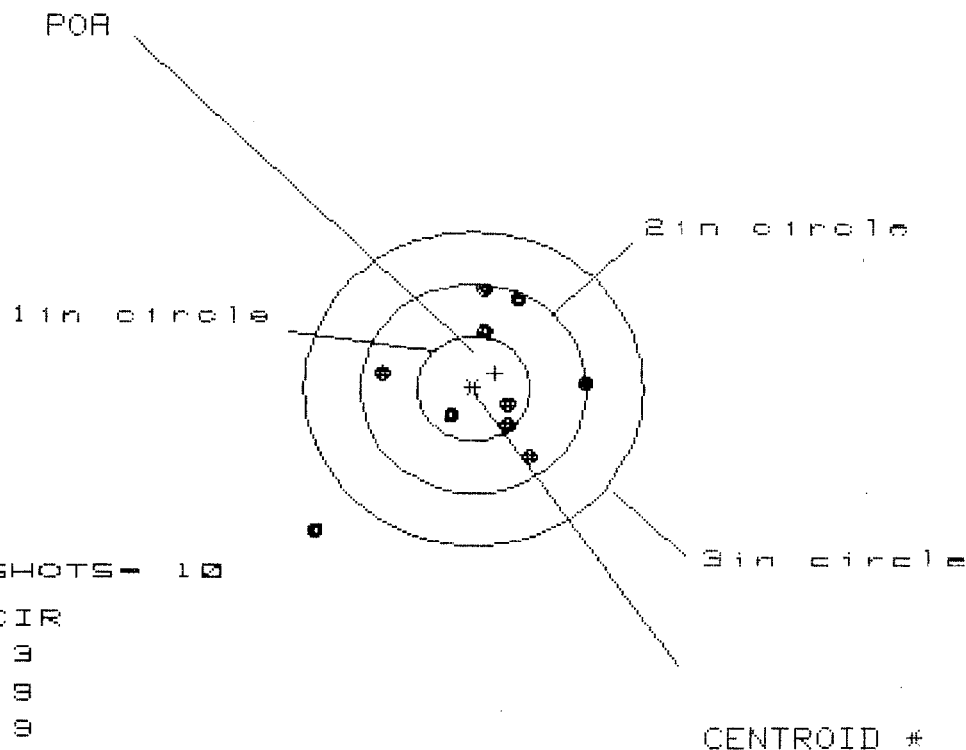
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.757	.807	.776
MINIMUM X	:	-.877	-.827	-.858
MAXIMUM Y	:	1.333	1.162	1.008
MINIMUM Y	:	-1.545	-1.094	-.949
CENTROID X	:	.024	-.026	.005
CENTROID Y	:	-.074	.097	-.048
POA TO CENTROID in.	:	.078	.101	.048
MIN RADIUS	:	.300	.267	.296
MEAN RADIUS	:	.936	.861	.800
MAX RADIUS	:	1.609	1.195	1.324
HORIZONTAL SPREAD	:	1.634	1.634	1.634
VERTICAL SPREAD	:	2.878	2.256	1.957
EXTREME SPREAD	:	2.974	2.317	2.247
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in - 3

2 in - 9

3 in - 9

HS= 2.389

VS= 2.257

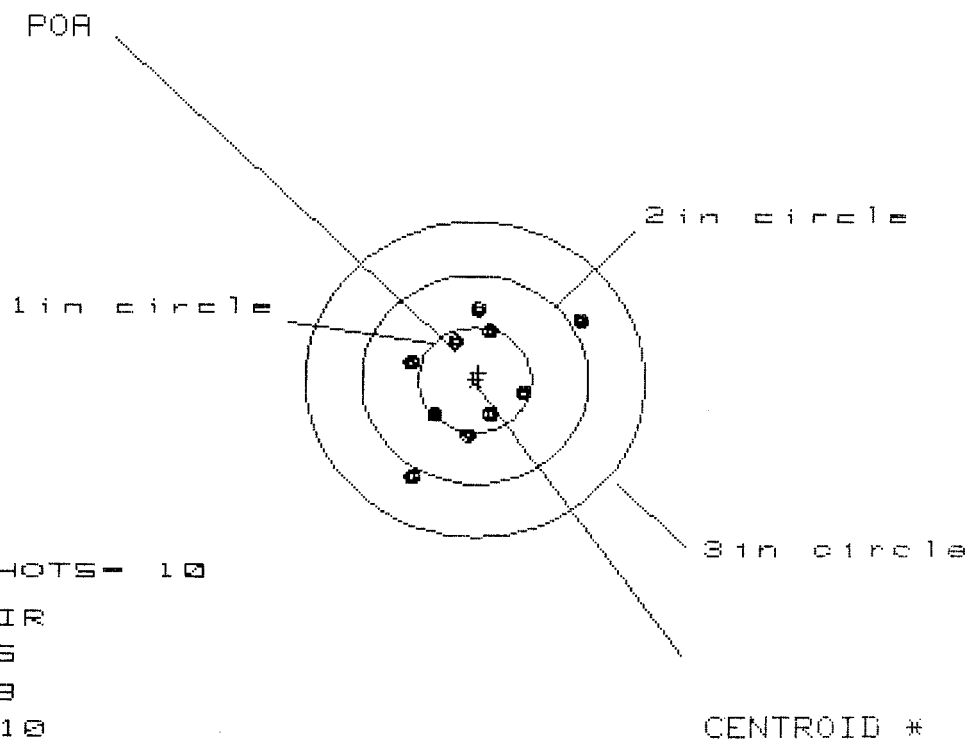
GS= 2.801

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.958	.799	.402
MINIMUM X	:	-1.431	-.975	-.876
MAXIMUM Y	:	.955	.811	.802
MINIMUM Y	:	-1.302	-.750	-.759
CENTROID X	:	-.196	-.037	-.136
CENTROID Y	:	-.151	-.007	.002
POA TO CENTROID in.	:	.247	.037	.136
MIN RADIUS	:	.280	.280	.335
MEAN RADIUS	:	.798	.651	.630
MAX RADIUS	:	1.935	.975	.876
HORIZONTAL SPREAD	:	2.389	1.774	1.278
VERTICAL SPREAD	:	2.257	1.561	1.561
EXTREME SPREAD	:	2.801	1.775	1.609
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 5

2 in = 8

3 in = 10

HS = 1.578

VS = 1.610

GS = 2.157

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.974	.542	.481
MINIMUM X	:	-.604	-.496	-.539
MAXIMUM Y	:	.698	.760	.654
MINIMUM Y	:	-.912	-.850	-.611
CENTROID X	:	-.030	-.138	-.076
CENTROID Y	:	-.073	-.135	-.029
POA TO CENTROID in.	:	.079	.193	.082
MIN RADIUS	:	.387	.366	.340
MEAN RADIUS	:	.627	.566	.504
MAX RADIUS	:	1.123	.984	.663
HORIZONTAL SPREAD	:	1.578	1.038	1.020
VERTICAL SPREAD	:	1.610	1.610	1.265
EXTREME SPREAD	:	2.157	1.743	1.272
NUMBER IN ONE INCH CIRCLE =			5	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			10	

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CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.754

VS= 2.457

GS= 3.691

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.256	1.090	1.184
MINIMUM X	:	-1.498	-1.078	-.942
MAXIMUM Y	:	1.169	1.026	1.028
MINIMUM Y	:	-1.288	-1.324	-1.195
CENTROID X	:	.073	.239	.103
CENTROID Y	:	-.157	-.014	-.143
POA TO CENTROID in.	:	.173	.240	.176
MIN RADIUS	:	.266	.086	.232
MEAN RADIUS	:	1.074	.936	.877
MAX RADIUS	:	1.975	1.707	1.522
HORIZONTAL SPREAD	:	2.754	2.168	2.126
VERTICAL SPREAD	:	2.457	2.350	2.223
EXTREME SPREAD	:	3.691	3.197	2.763
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	