

C6636143

MODEL 700TM M24

Model **SMS** TM

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 700™ H24

SERIAL NO.
C6636143

ORDER NO.
5716

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

20



5716 C6636143

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636143

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

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			6-6-91	JM
	G) Safety Off Force	4	4	4			6-6-91	JM
	H) Trigger Pull Test & Retainability						6-6-91	JM
	I) Firing Pin Indent	.021	.022	.022			6-6-91	JM
	J) Assemble Stock						6-6-91	KS
	K) Assemble Swivel Studs						6-13-91	A
	L) Attach Front and Rear Sight Assemblies						6-6-91	KS
	M) Iron Sight Alignment						6-6-91	KS
	N) Detach Front & Rear Sights & place in numbered container						6-6-91	KS
	O) Attach Scope to Rifle						6-6-91	KS
	P) Detach & Attach Scope 20 Times						6-6-91	KS
640	Gallery Target & Test						6-7-91	AC
	A) Time						6-7-91	AC
	B) Malfunctions						6-7-91	AC
	C) Pierced Primers						6-7-91	AC
	D) Optical Clarity of Scope						6-7-91	AC
645	Inspect for Live Ammo						6-7-91	AC
655	Final Inspection							
	A) Headspace						6-13-91	A
	B) Trigger Pull	2.44	2.41	2.26	2.38	2.47	6-13-91	JM
	C) Function						6-13-91	AC
660	Pack						6-20-91	NF

SWS TRIGGER PULL TEST

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

SERIAL NO. C6636143
DATE 6-6-91
TESTER JEP.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.26	2.49	2.40	2.44	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.53	2.38	2.41	
PULL #3	2.52	2.48	2.43	2.26	
PULL #4	2.30	2.35	2.45	2.38	
PULL #5	2.39	2.41	2.46	2.47	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.48	3.36		
PULL #2	3.49	3.36		
PULL #3	3.36	3.34		
PULL #4	3.39	3.40		
PULL #5	3.44	3.39		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.31	4.23		4.25
PULL #2	4.22	4.33		4.42
PULL #3	4.29	4.25		4.44
PULL #4	4.40	4.24		4.34
PULL #5	4.34	4.29		4.28
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636143
7 Jun 1991

CENTROIDAL DISTANCES

Ø TO	1	.205353
1 TO	2	.975921
1 TO	3	.210609
1 TO	4	.658009
1 TO	5	.359117

2
5 4 ←----POA

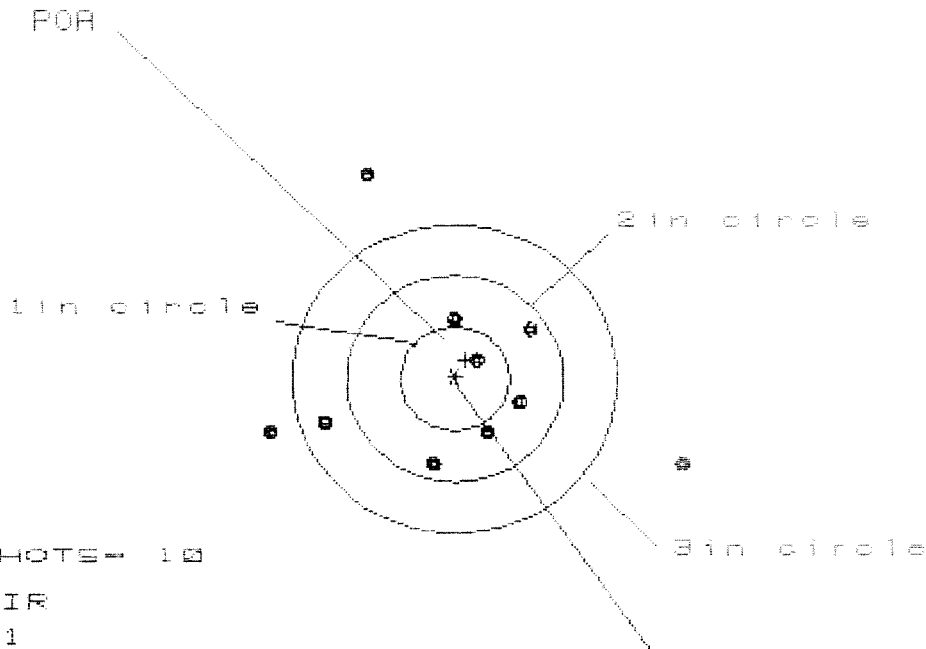
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1266
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1254
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .178193

THE AMR FOR THIS RIFLE IS: 1.093

7 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636143

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 7

HS= 3.835

VS= 2.830

GS= 3.978

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.115	.961	.896
MINIMUM X	-1.728	-1.485	-1.550
MAXIMUM Y	1.962	1.874	.697
MINIMUM Y	-.868	-.956	-.722
CENTROID X	-.097	-.332	-.267
CENTROID Y	-.181	-.093	-.327
POA TO CENTROID in.	.205	.345	.422
MIN RADIUS	.307	.486	.531
MEAN RADIUS	1.121	1.028	.879
MAX RADIUS	2.259	1.945	1.589
HORIZONTAL SPREAD	3.835	2.446	2.446
VERTICAL SPREAD	2.830	2.830	1.419
EXTREME SPREAD	3.978	2.877	2.644
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		

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CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in - 0

2 in - 3

3 in - 7

HS= 1.919

VS= 3.921

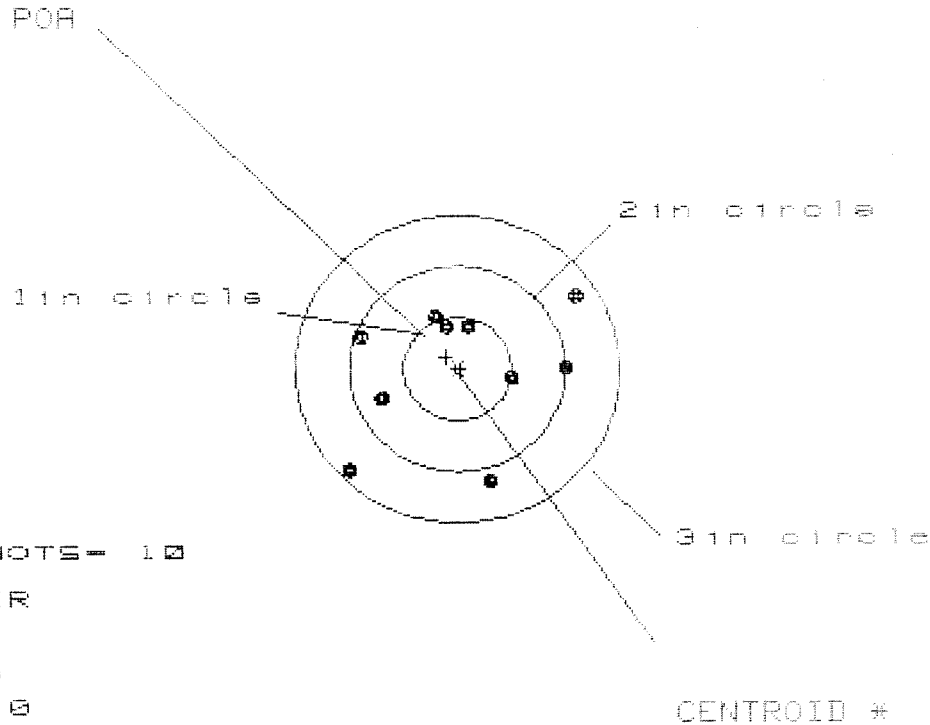
GS= 3.937

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.915	1.003	1.070
MINIMUM X	:	-1.004	-.916	-.849
MAXIMUM Y	:	1.918	1.696	1.553
MINIMUM Y	:	-2.003	-1.025	-.813
CENTROID X	:	.253	.165	.098
CENTROID Y	:	.730	.952	.740
POA TO CENTROID in.	:	.772	.966	.747
MIN RADIUS	:	.510	.690	.469
MEAN RADIUS	:	1.230	1.135	1.006
MAX RADIUS	:	2.155	1.777	1.559
HORIZONTAL SPREAD	:	1.919	1.919	1.919
VERTICAL SPREAD	:	3.921	2.721	2.366
EXTREME SPREAD	:	3.937	2.811	2.496
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.050

VS= 1.853

GS= 2.653

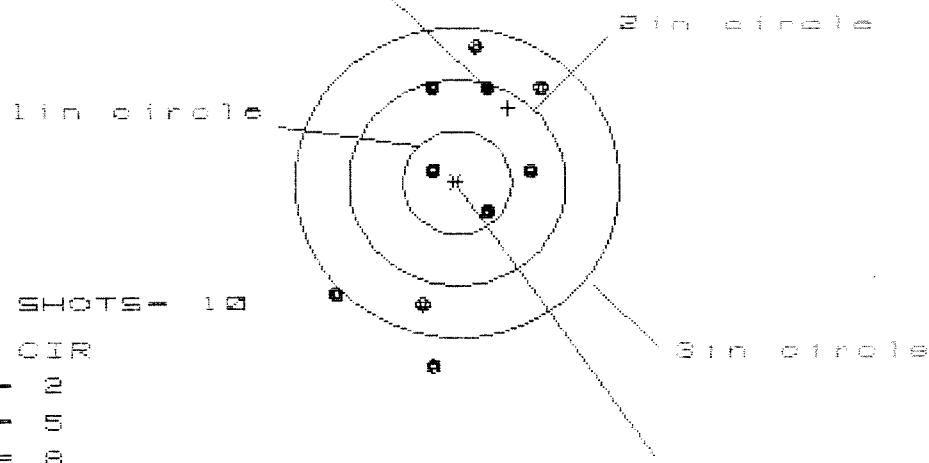
PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.084	.976	1.015
MINIMUM X	-.967	-.998	-.876
MAXIMUM Y	.748	.644	.455
MINIMUM Y	-1.105	-1.209	-1.129
CENTROID X	.103	.211	.089
CENTROID Y	-.115	-.011	-.091
POA TO CENTROID in.	.154	.211	.127
MIN RADIUS	.434	.325	.414
MEAN RADIUS	.852	.774	.727
MAX RADIUS	1.346	1.229	1.179
HORIZONTAL SPREAD	2.050	1.974	1.891
VERTICAL SPREAD	1.853	1.853	1.584
EXTREME SPREAD	2.653	2.110	1.921
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

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CENTERFIRE PATTERNS # 4

POA



OF SHOTS - 10

IN CIR

1 in - 2

2 in - 5

3 in - 8

HS = 1.899

VS = 3.163

GS = 3.182

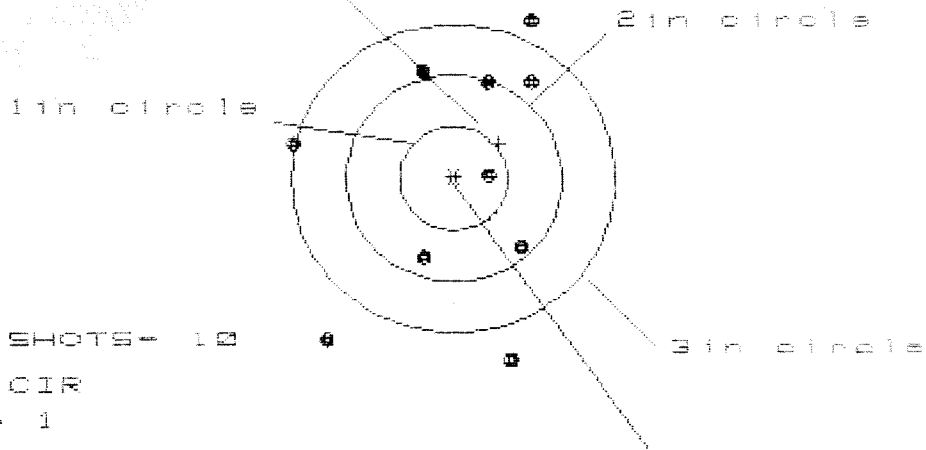
PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	.735
MINIMUM X	-1.164
MAXIMUM Y	1.356
MINIMUM Y	-1.807
CENTROID X	-.473
CENTROID Y	-.721
POA TO CENTROID in.	.862
MIN RADIUS	.270
MEAN RADIUS	1.038
MAX RADIUS	1.818
HORIZONTAL SPREAD	1.899
VERTICAL SPREAD	3.163
EXTREME SPREAD	3.182
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	8

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CENTERFIRE PATTERNS # 5

FOR



OF SHOTS - 10

IN CIR

1in = 1

2in = 4

3in = 5

HS = 2.216

VS = 3.339

GS = 3.667

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.730
MINIMUM X	-1.486
MAXIMUM Y	1.575
MINIMUM Y	-1.764
CENTROID X	-.419
CENTROID Y	-.340
FOR TO CENTROID in.	.540
MIN RADIUS	.310
MEAN RADIUS	1.224
MAX RADIUS	1.950
HORIZONTAL SPREAD	2.216
VERTICAL SPREAD	3.339
EXTREME SPREAD	3.667
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	5