

C6636176

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.
C6636176

ORDER NO.
5716

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

20



5716 C6636176

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636 176

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 2 9 1		RW
600	Proof	5 2 9 1		RW
607	Check Headspace	5 2 9 1		RW
610	Dis-assemble Gun	5 2 9 1		RW
612	Magnaflux Barrel Action	5 8 0 1		KCR
	Magnaflux Bolt	5 8 9 1		KCR
615	Rollmark Caliber	5 8 9 1		GB
617	Drill and Tap Sight Holes	5 15 9 1		WB
618	Polish Barrel	5 15 9 1		WB
620	Apply Coatings (Barrel Action)		5-29-91	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/30/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/30/91	RW
	C) Inspect Ejector Hole for Chamfer		5/30/91	RW
	D) Oil Firing Pin Ass'y		5/30/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/31/91	RY

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5-31-91	DH
	G) Safety Off Force	4	3 1/2	3			5-31-91	DH
	H) Trigger Pull Test & Retainability						5/31/91	JD
	I) Firing Pin Indent	.020	.020	.020			5-31-91	DH
	J) Assemble Stock						6/1/91	RW
	K) Assemble Swivel Studs						6-8-91	DH
	L) Attach Front and Rear Sight Assemblies						6/1/91	RW
	M) Iron Sight Alignment						6/1/91	RW
	N) Detach Front & Rear Sights & place in numbered container						6/1/91	RW
	O) Attach Scope to Rifle						6/1/91	RW
	P) Detach & Attach Scope 20 Times						6/1/91	RW
640	Gallery Target & Test						6-3-91	DH
	A) Time						6-3-91	DH
	B) Malfunctions						6-3-91	DH
	C) Pierced Primers						6-3-91	DH
	D) Optical Clarity of Scope						6-3-91	DH
645	Inspect for Live Ammo						6-3-91	DH
655	Final Inspection							
	A) Headspace						6-8-91	DH
	B) Trigger Pull	2.18	2.18	2.14	2.20	2.26	6-8-91	JD
	C) Function						6-8-91	DH
660	Pack						6-20-91	RW

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6636176

DATE 5/31/91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.51	2.57	2.18	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.53	2.53	2.18	
PULL #3	2.59	2.55	2.50	2.14	
PULL #4	2.54	2.58	2.56	2.20	
PULL #5	2.52	2.56	2.49	2.26	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.60	3.55		
PULL #2	3.67	3.56		
PULL #3	3.45	3.49		
PULL #4	3.52	3.52		
PULL #5	3.52	3.62		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.40	4.46		4.40
PULL #2	4.53	4.38		4.39
PULL #3	4.50	4.34		4.39
PULL #4	4.51	4.38		4.45
PULL #5	4.59	4.41		4.42
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636176
3 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.370061
1 TO	2	.343513
1 TO	3	.223732
1 TO	4	.220229
1 TO	5	.199023

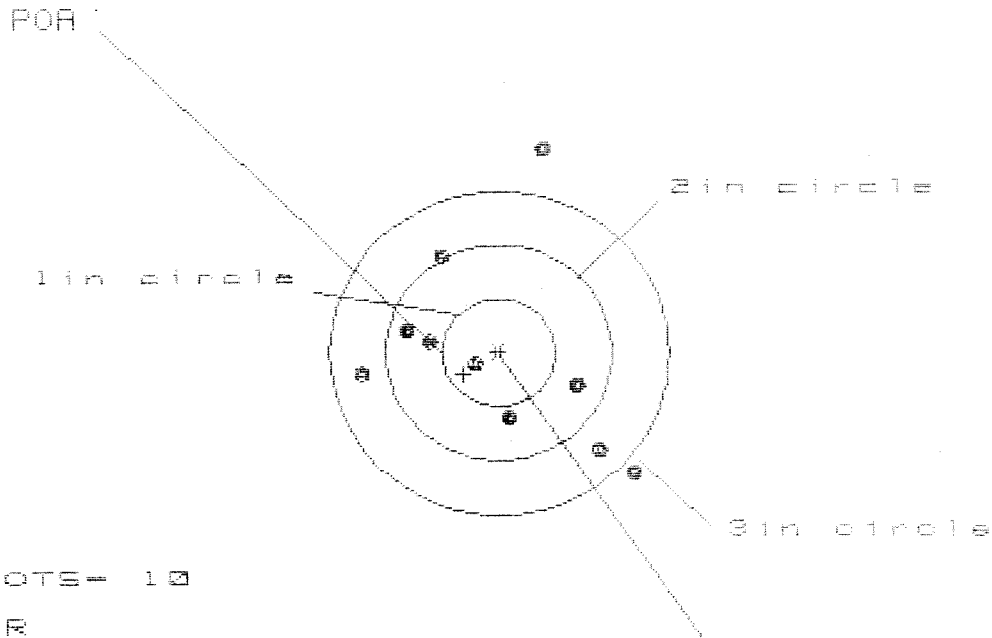
2
134 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3328
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1578
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .368316
THE AMR FOR THIS RIFLE IS: 1.004

3 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636176

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.408

VS= 2.975

GS= 3.079

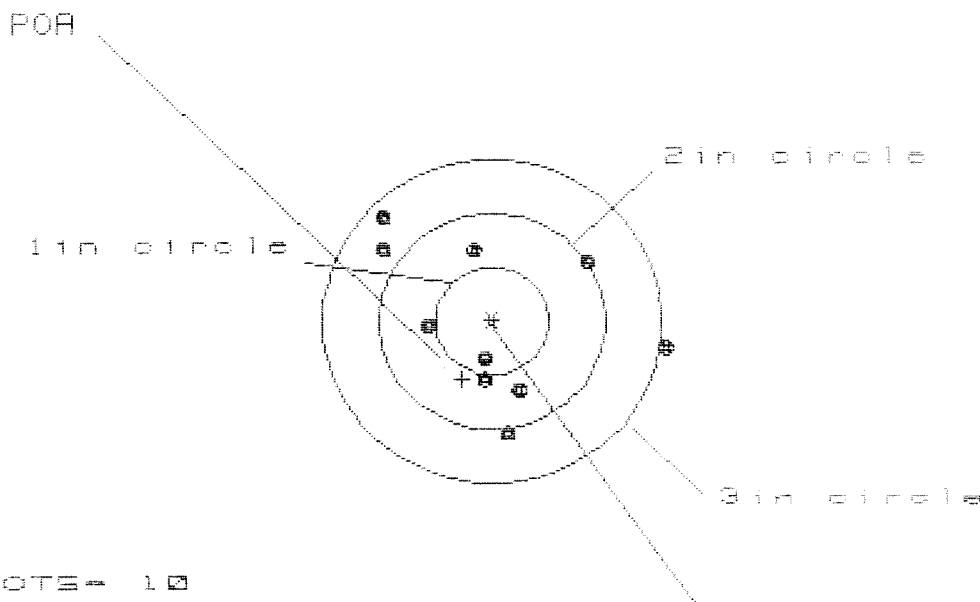
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.194	1.238	1.059
MINIMUM X	:	-1.214	-1.170	-1.015
MAXIMUM Y	:	1.905	1.094	.986
MINIMUM Y	:	-1.070	-.858	-.763
CENTROID X	:	.312	.268	.113
CENTROID Y	:	.199	-.013	.095
FOR TO CENTROID in.	:	.370	.268	.147
MIN RADIUS	:	.198	.194	.032
MEAN RADIUS	:	.992	.859	.739
MAX RADIUS	:	1.946	1.507	1.305
HORIZONTAL SPREAD	:	2.408	2.408	2.074
VERTICAL SPREAD	:	2.975	1.952	1.749
EXTREME SPREAD	:	3.079	2.568	2.200
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.464

VS= 1.999

GS= 2.757

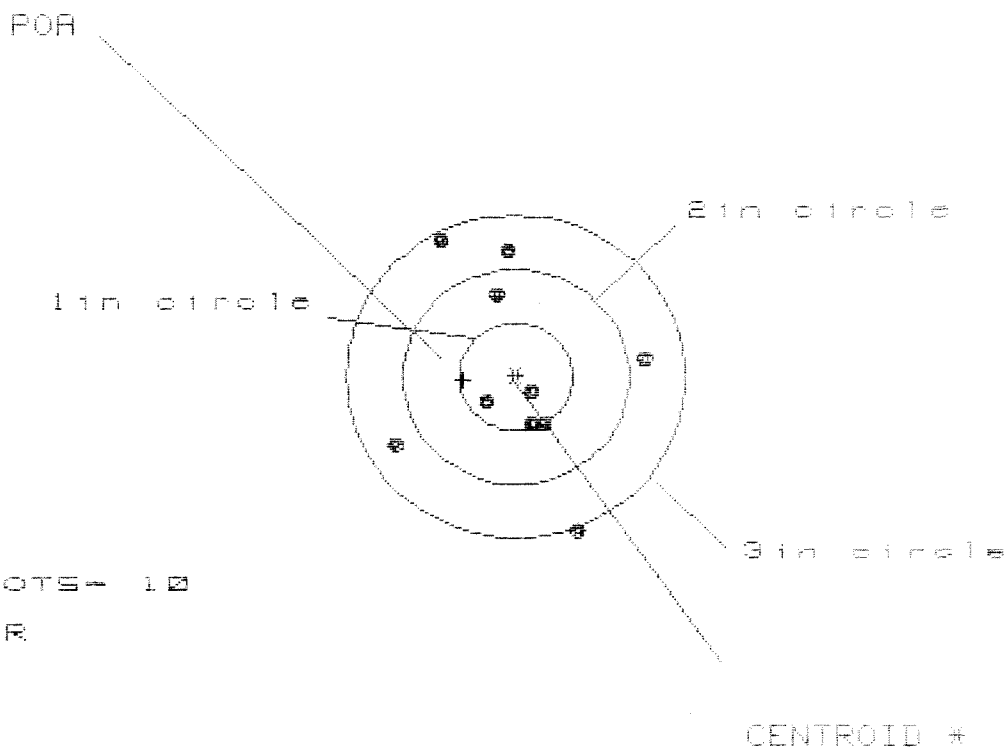
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.498	.997	.897
MINIMUM X	:	-.966	-.799	-.872
MAXIMUM Y	:	1.002	.976	.763
MINIMUM Y	:	-.997	-1.023	-.901
CENTROID X	:	.263	.096	.196
CENTROID Y	:	.539	.565	.443
POA TO CENTROID in.	:	.600	.573	.485
MIN RADIUS	:	.325	.361	.223
MEAN RADIUS	:	.894	.812	.729
MAX RADIUS	:	1.516	1.261	1.159
HORIZONTAL SPREAD	:	2.464	1.796	1.769
VERTICAL SPREAD	:	1.999	1.999	1.664
EXTREME SPREAD	:	2.757	2.304	2.005
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 9

HS= 2.251

VS= 2.707

GS= 2.954

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.175	1.232	1.155
MINIMUM X	:	-1.076	-1.019	-1.096
MAXIMUM Y	:	1.235	1.071	1.141
MINIMUM Y	:	-1.472	-.789	-.655
CENTROID X	:	.462	.405	.482
CENTROID Y	:	.033	.197	.063
POA TO CENTROID in.	:	.463	.450	.486
MIN RADIUS	:	.167	.330	.176
MEAN RADIUS	:	.878	.825	.732
MAX RADIUS	:	1.558	1.289	1.277
HORIZONTAL SPREAD	:	2.251	2.251	2.251
VERTICAL SPREAD	:	2.707	1.860	1.796
EXTREME SPREAD	:	2.954	2.389	2.389
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

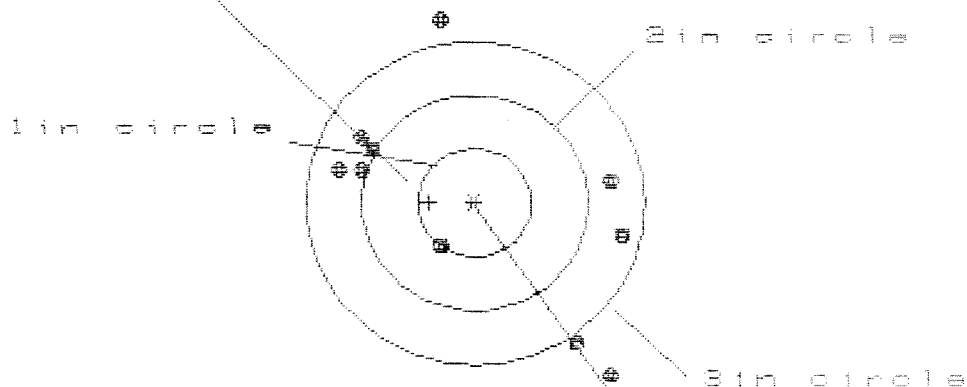
3 Jun 1991

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CENTERFIRE PATTERNS

4

POA



OF SHOTS- 10

IN CIR

1in = 0

2in = 1

3in = 7

HS= 2.556

VS= 3.277

GS= 3.618

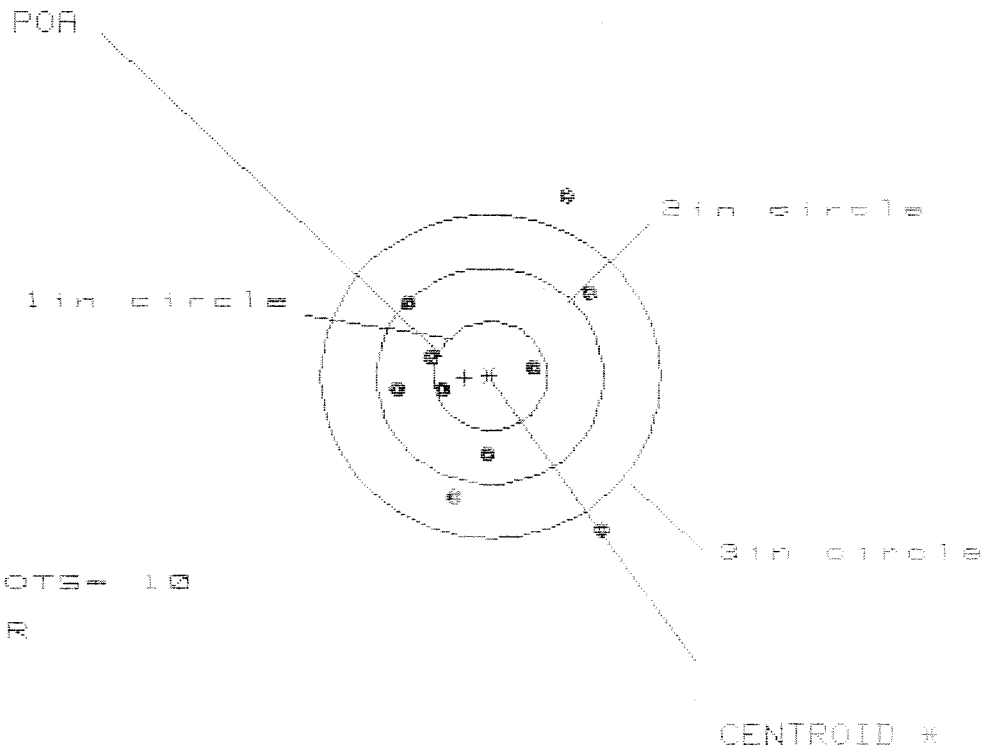
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.339	1.477	1.458
MINIMUM X	:	-1.217	-1.079	-1.098
MAXIMUM Y	:	1.696	1.521	.647
MINIMUM Y	:	-1.581	-1.510	-1.320
CENTROID X	:	.402	.264	.283
CENTROID Y	:	-.002	.173	-.017
POA TO CENTROID in.	:	.402	.316	.283
MIN RADIUS	:	.526	.627	.454
MEAN RADIUS	:	1.289	1.173	1.122
MAX RADIUS	:	2.012	1.804	1.637
HORIZONTAL SPREAD	:	2.556	2.556	2.556
VERTICAL SPREAD	:	3.277	3.031	1.967
EXTREME SPREAD	:	3.618	3.238	2.696
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		1	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 1.817

VS= 3.027

GS= 3.043

PATTERN # : 5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.970	1.044	1.046
MINIMUM X	-.847	-.773	-.643
MAXIMUM Y	1.655	.914	.765
MINIMUM Y	-1.372	-1.188	-1.058
CENTROID X	.225	.151	.021
CENTROID Y	.020	-.164	-.015
POA TO CENTROID in.	.225	.223	.026
MIN RADIUS	.385	.355	.210
MEAN RADIUS	.965	.856	.725
MAX RADIUS	1.782	1.582	1.296
HORIZONTAL SPREAD	1.817	1.817	1.689
VERTICAL SPREAD	3.027	2.102	1.823
EXTREME SPREAD	3.043	2.666	2.181
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	