

C6636300

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington




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

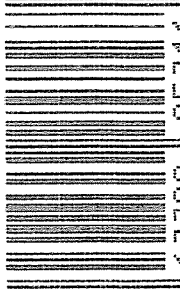
MODEL 700™ H24

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

SERIAL NO.
C6606300

ORDER NO.
5716

UPC



0 47700 25716 7



5716 C6606300

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636300

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/24/91	KE
600	Proof		6/24/91	KE
607	Check Headspace		6/24/91	KE
610	Dis-assemble Gun		6/24/91	KE
612	Magnaflux Barrel Action		JUL 1 1991	KR
	Magnaflux Bolt		JUL 1 1991	KR
615	Rollmark Caliber		JUL 1 1991	GS
617	Drill and Tap Sight Holes		JUL 1 1991	LB
618	Polish Barrel		JUL 2 1991	WB
620	Apply Coatings (Barrel Action)		7-23-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/5/91	KE
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/5/91	KE
	C) Inspect Ejector Hole for Chamfer		8/5/91	KE
	D) Oil Firing Pin Ass'y		8/5/91	KE
	E) Adjust Trigger Pull to Min Setting and Stake		8-6-91	KE

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4	4 1/4			8-6-91	DH
	G) Safety Off Force	2	2	2			8-6-91	DH
	H) Trigger Pull Test & Retainability						8-6-91	JH
	I) Firing Pin Indent	.023	.023	.022			8-6-91	DH
	J) Assemble Stock						8/6/91	KH
	K) Assemble Swivel Studs						8-7-91	JH
	L) Attach Front and Rear Sight Assemblies						8/6/91	KH
	M) Iron Sight Alignment						8/6/91	KH
	N) Detach Front & Rear Sights & place in numbered container						8/6/91	KH
	O) Attach Scope to Rifle						8/6/91	KH
	P) Detach & Attach Scope 20 Times						8/6/91	KH
640	Gallery Target & Test						8/6/91	KH
	A) Time							KH
	B) Malfunctions							KH
	C) Pierced Primers							KH
	D) Optical Clarity of Scope							KH
645	Inspect for Live Ammo						8/6/91	KH
655	Final Inspection							
	A) Headspace						8-7-91	JH
	B) Trigger Pull	2.20	2.27	2.30	2.32	2.39	8-7-91	JH
	C) Function						8-7-91	JH
660	Pack						8-7-91	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. C6636300

DATE 8-6-81

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.56	2.44	2.20	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.40	2.51	2.40	2.27	
PULL #3	2.51	2.48	2.41	2.30	
PULL #4	2.27	2.32	2.35	2.32	
PULL #5	2.46	2.35	2.38	2.39	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.62	3.42		
PULL #2	3.39	3.33		
PULL #3	3.41	3.40		
PULL #4	3.43	3.32		
PULL #5	3.43	3.42		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.15		4.60
PULL #2	4.40	4.57		4.62
PULL #3	4.33	4.58		4.45
PULL #4	4.33	4.54		4.40
PULL #5	4.35	4.54		4.55
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636300
6 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.415928
1 TO	2	.315
1 TO	3	.459273
1 TO	4	.440833
1 TO	5	.59627

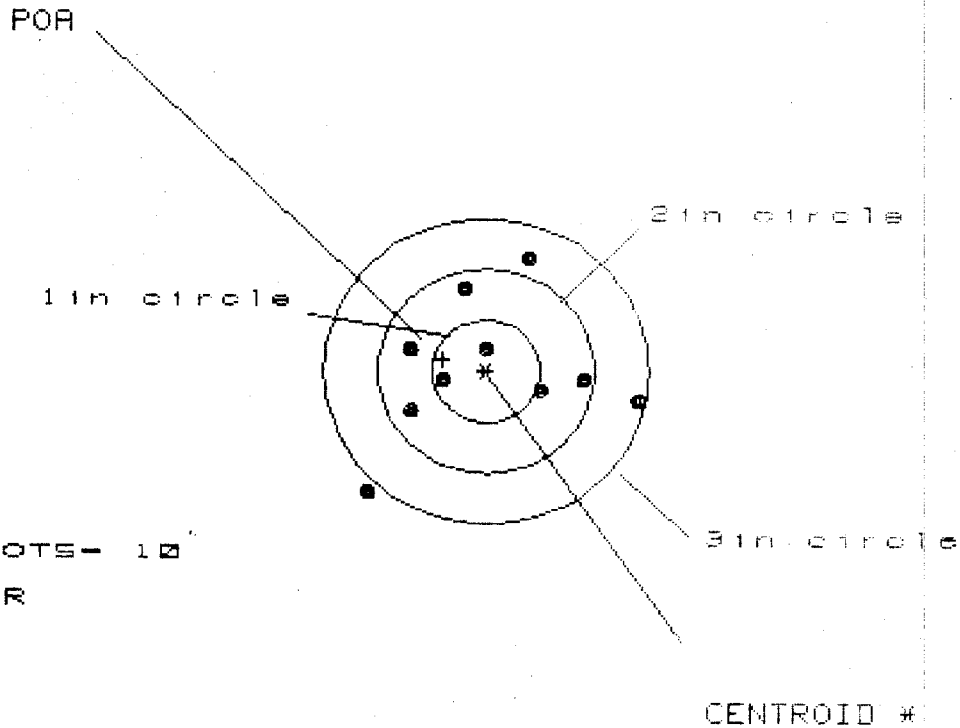
$\bar{x}_1$ <----POA

COG X-COORDINATE FOR THIS RIFLE IS: .138
COG Y-COORDINATE FOR THIS RIFLE IS: .1268
SPACE POI RADIUS FOR THIS RIFLE IS: .187409
COG Z-COORDINATE IS: .7762

6 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636300

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.502

VS= 2.310

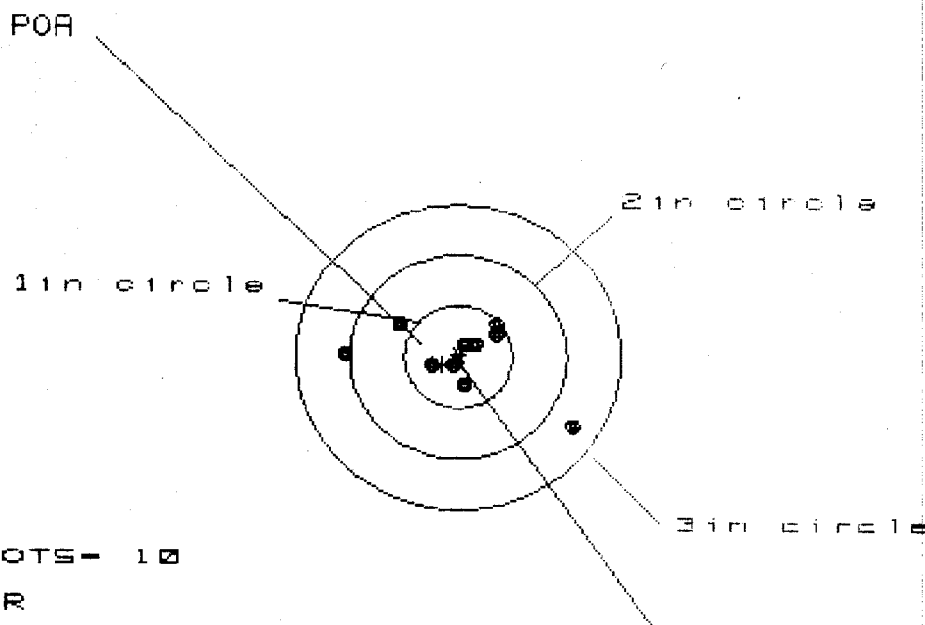
GS= 2.748

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.394	1.271	.906
MINIMUM X	:	-1.108	-.862	-.703
MAXIMUM Y	:	1.099	.964	.911
MINIMUM Y	:	-1.211	-.552	-.605
CENTROID X	:	.400	.523	.364
CENTROID Y	:	-.114	.021	.074
POA TO CENTROID in.	:	.416	.523	.372
MIN RADIUS	:	.260	.201	.070
MEAN RADIUS	:	.868	.774	.669
MAX RADIUS	:	1.641	1.342	1.002
HORIZONTAL SPREAD	:	2.502	2.133	1.609
VERTICAL SPREAD	:	2.310	1.516	1.516
EXTREME SPREAD	:	2.748	2.136	1.885
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

6 Aug 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 7

2in = 8

3in = 10

HS= 2.032

VS= 1.053

GS= 2.166

CENTROID #

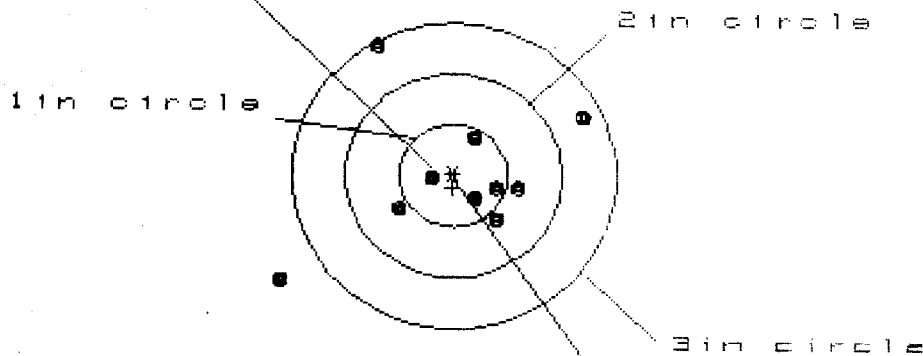
PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.024	.471	.360
MINIMUM X	:	-1.008	-.895	-.505
MAXIMUM Y	:	.360	.283	.281
MINIMUM Y	:	-.693	-.392	-.394
CENTROID X	:	.148	.035	.146
CENTROID Y	:	.075	.152	.154
POA TO CENTROID in.	:	.166	.156	.213
MIN RADIUS	:	.085	.137	.053
MEAN RADIUS	:	.469	.391	.299
MAX RADIUS	:	1.236	.895	.579
HORIZONTAL SPREAD	:	2.032	1.366	.865
VERTICAL SPREAD	:	1.053	.675	.675
EXTREME SPREAD	:	2.166	1.378	.874
NUMBER IN ONE INCH CIRCLE	=		7	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

6 Aug 1991

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CENTERFIRE PATTERNS # 3

POA



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 9

HS= 2.802

VS= 2.312

GS= 3.221

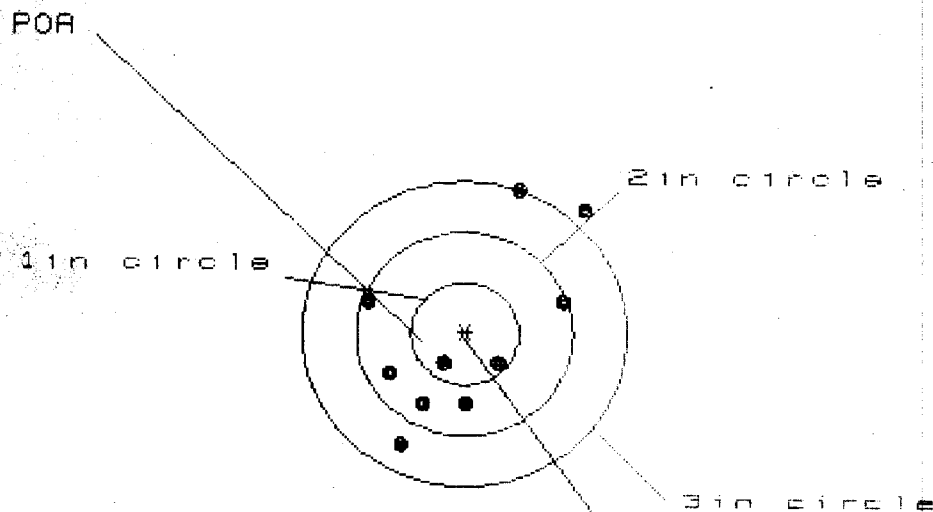
CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.192	1.013	.907
MINIMUM X	:	-1.610	-.847	-.756
MAXIMUM Y	:	1.300	1.187	.613
MINIMUM Y	:	-1.012	-.490	-.341
CENTROID X	:	.006	.185	.291
CENTROID Y	:	.122	.235	.086
POA TO CENTROID in.	:	.122	.299	.303
MIN RADIUS	:	.245	.243	.191
MEAN RADIUS	:	.778	.637	.486
MAX RADIUS	:	1.902	1.458	1.095
HORIZONTAL SPREAD	:	2.802	1.860	1.663
VERTICAL SPREAD	:	2.312	1.677	.954
EXTREME SPREAD	:	3.221	2.003	1.878
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	9		

6 Aug 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 2.022

VS= 2.462

GS= 2.845

CENTROID *

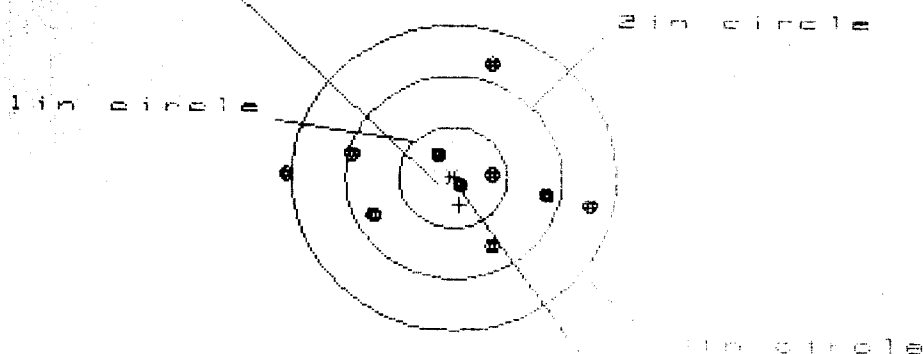
PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.155	1.008	1.092
MINIMUM X	:	-.867	-.738	-.654
MAXIMUM Y	:	1.409	1.541	.681
MINIMUM Y	:	-1.053	-.921	-.728
CENTROID X	:	.193	.064	-.020
CENTROID Y	:	.282	.150	-.043
POA TO CENTROID in.	:	.341	.163	.047
MIN RADIUS	:	.340	.156	.072
MEAN RADIUS	:	.926	.789	.617
MAX RADIUS	:	1.658	1.682	1.287
HORIZONTAL SPREAD	:	2.022	1.746	1.746
VERTICAL SPREAD	:	2.462	2.462	1.409
EXTREME SPREAD	:	2.845	2.714	2.040
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	8		

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CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.823

VS= 1.885

GS= 2.843

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.280	1.108	.840
MINIMUM X	:	-1.543	-1.139	-1.000
MAXIMUM Y	:	1.167	1.171	1.133
MINIMUM Y	:	-.718	-.714	-.752
CENTROID X	:	-.057	.115	-.024
CENTROID Y	:	.269	.265	.303
POA TO CENTROID in.	:	.275	.289	.304
MIN RADIUS	:	.113	.130	.128
MEAN RADIUS	:	.840	.744	.691
MAX RADIUS	:	1.543	1.183	1.174
HORIZONTAL SPREAD	:	2.823	2.247	1.840
VERTICAL SPREAD	:	1.885	1.885	1.885
EXTREME SPREAD	:	2.843	2.319	1.901
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	