

C6594571

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington®

MODEL 700™ H24

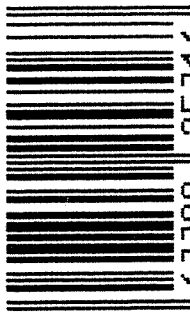
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

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

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

SERIAL NO. C6594571	ORDER NO. 5716
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UPC



0 47700 25716 7



5716 C6594571

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594571

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 25	91	Rw
600	Proof	3 25	91	Rw
607	Check Headspace	3 25	91	Rw
610	Dis-assemble Gun	3 25	91	Rw
612	Magnaflux Barrel Action	3 28	91	KR
	Magnaflux Bolt	3 28	91	"
615	Rollmark Caliber	3 28	91	JS
617	Drill and Tap Sight Holes	APR	3 1991	FB
618	Polish Barrel	APR	3 1991	WB
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/16/91	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/16/91	Rw
	C) Inspect Ejector Hole for Chamfer		4/16/91	Rw
	D) Oil Firing Pin Ass'y		4/16/91	Rw
	E) Adjust Trigger Pull to Min Setting and Stake		5-29-91	DH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5-10-91	AC
	G) Safety Off Force	3	3	3			5-10-91	AC
	H) Trigger Pull Test & Retainability						5-9-91	D/H
	I) Firing Pin Indent	.020	.021	.020			5-10-91	AC
	J) Assemble Stock						5/13/91	RW
	K) Assemble Swivel Studs						5-21-91	D/H
	L) Attach Front and Rear Sight Assemblies						5/13/91	RW
	M) Iron Sight Alignment						5/13/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/13/91	RW
	O) Attach Scope to Rifle						5/13/91	RW
	P) Detach & Attach Scope 20 Times						5/13/91	RW
640	Gallery Target & Test						5-14-91	AC
	A) Time						5-14-91	AC
	B) Malfunctions						5-14-91	AC
	C) Pierced Primers						5-14-91	AC
	D) Optical Clarity of Scope						5-14-91	AC
645	Inspect for Live Ammo						5-14-91	AC
655	Final Inspection							
	A) Headspace						5-21-91	D/H
	B) Trigger Pull	2.43	2.59	2.34	2.31	2.33	5/21/91	JH
	C) Function						5-21-91	D/H
660	Pack						5-18-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6594571

DATE 5-9-91

TESTER D/H

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.23	2.42	2.43	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.23	2.28	2.46	2.59	
PULL #3	2.02	2.13	2.51	2.34	
PULL #4	2.30	2.18	2.33	2.31	
PULL #5	2.26	2.23	2.51	2.33	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.34		
PULL #2	3.50	3.40		
PULL #3	3.44	3.32		
PULL #4	3.08	3.30		
PULL #5	3.43	3.32		
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	4.15		4.59
PULL #2	4.16	4.18		4.48
PULL #3	4.22	4.18		4.36
PULL #4	4.23	4.05		4.29
PULL #5	4.25	4.25		4.44
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594571
14 May 1991

CENTROIDAL DISTANCES

0 TO	1	.163893
1 TO	2	.135532
1 TO	3	.273885
1 TO	4	.174977
1 TO	5	.209344

34 <----POA

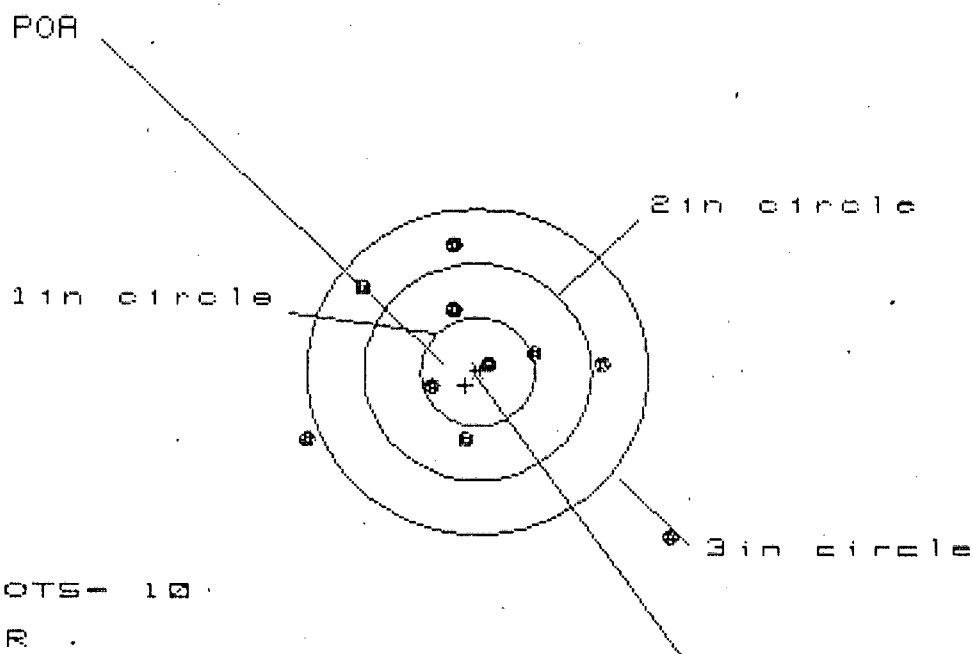
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0236
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1406
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .142567

THE AMR FOR THIS RIFLE IS: .8342

14 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594571

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR .

1in = 2

2in = 5

3in = 8

HS= 3.229

VS= 2.662

GS= 3.592

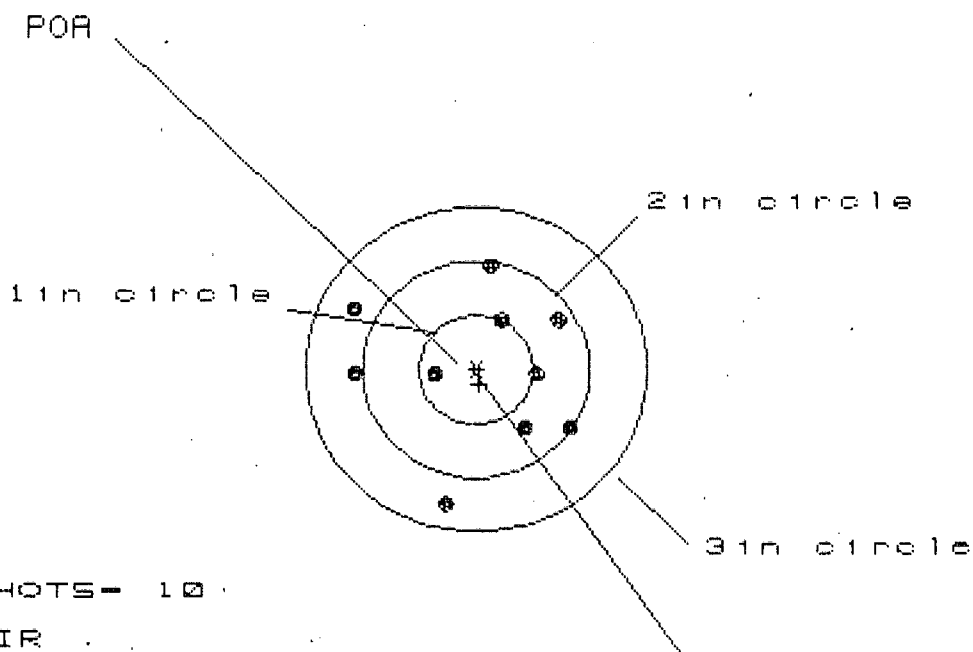
CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.741	1.291	1.129
MINIMUM X	:	-1.488	-1.294	-.999
MAXIMUM Y	:	1.172	1.007	.911
MINIMUM Y	:	-1.490	-.837	-.933
CENTROID X	:	.106	-.088	.074
CENTROID Y	:	.125	.290	.386
POA TO CENTROID in.	:	.163	.303	.393
MIN RADIUS	:	.182	.332	.218
MEAN RADIUS	:	.989	.828	.722
MAX RADIUS	:	2.292	1.506	1.140
HORIZONTAL SPREAD	:	3.229	2.585	2.128
VERTICAL SPREAD	:	2.662	1.844	1.844
EXTREME SPREAD	:	3.592	2.680	2.238
NUMBER IN ONE INCH CIRCLE	=	2		
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 = 3

2in = 7

3in = 10

HS= 1.860

VS= 2.173

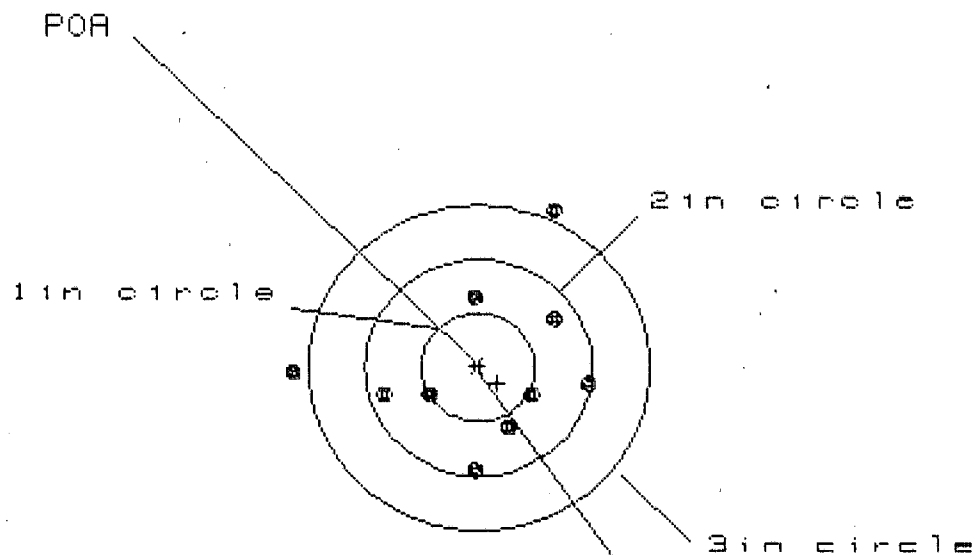
GS= 2.226

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.781	.747	.608
MINIMUM X	-1.079	-1.113	-1.245
MAXIMUM Y	.913	.773	.830
MINIMUM Y	-1.260	-.716	-.659
CENTROID X	-.029	.005	.144
CENTROID Y	.137	.277	.220
POA TO CENTROID in.	.140	.277	.263
MIN RADIUS	.352	.351	.326
MEAN RADIUS	.841	.775	.696
MAX RADIUS	1.297	1.205	1.248
HORIZONTAL SPREAD	1.860	1.860	1.853
VERTICAL SPREAD	2.173	1.489	1.489
EXTREME SPREAD	2.226	2.191	1.935
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 8

3 in = 8

HS= 2.605

VS= 2.390

GS= 2.718

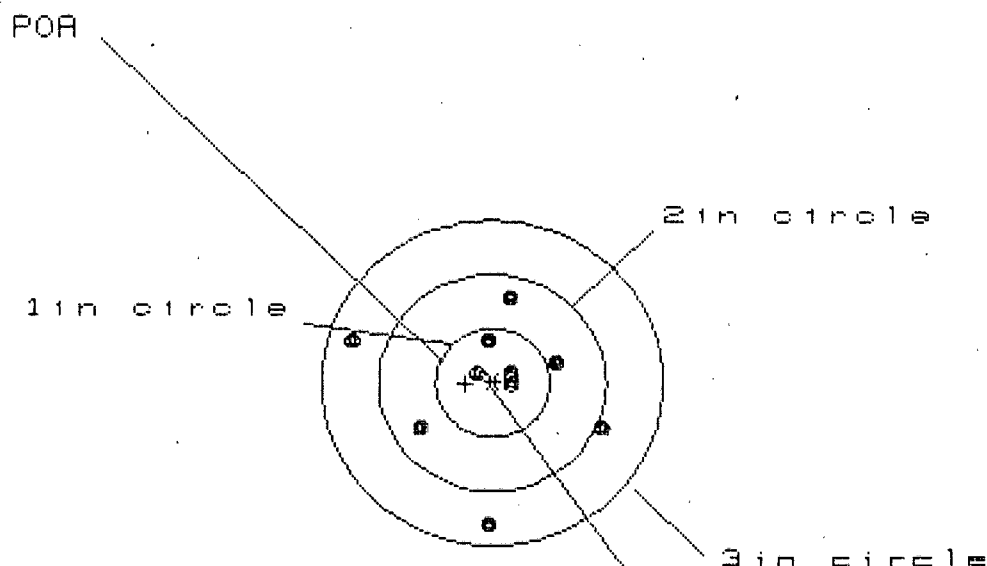
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.954	.771	.826
MINIMUM X	-1.651	-1.014	-.959
MAXIMUM Y	1.411	1.402	.774
MINIMUM Y	-.979	-.988	-.813
CENTROID X	-.167	.016	-.039
CENTROID Y	.147	.156	-.019
POA TO CENTROID in.	.223	.157	.043
MIN RADIUS	.518	.378	.358
MEAN RADIUS	.911	.808	.701
MAX RADIUS	1.653	1.469	.962
HORIZONTAL SPREAD	2.605	1.785	1.785
VERTICAL SPREAD	2.390	2.390	1.587
EXTREME SPREAD	2.718	2.472	1.786
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	8		

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CENTERFIRE PATTERNS

4



OF SHOTS- 10 .

IN CIR .

1in = 4

2in = 7

3in = 10

HS= 2.181

VS= 2.130

GS= 2.334

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.991	.990	.841
MINIMUM X	-1.190	-1.191	-.810
MAXIMUM Y	.839	.696	.730
MINIMUM Y	-1.291	-.555	-.521
CENTROID X	.237	.238	.387
CENTROID Y	.009	.152	.118
POA TO CENTROID in.	.237	.282	.404
MIN RADIUS	.170	.153	.059
MEAN RADIUS	.679	.591	.489
MAX RADIUS	1.291	1.222	.989
HORIZONTAL SPREAD	2.181	2.181	1.651
VERTICAL SPREAD	2.130	1.251	1.251
EXTREME SPREAD	2.334	2.334	1.652
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.517

VS= 2.004

GS= 2.071

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.909	.866	.772
MINIMUM X	-.708	-.751	-.585
MAXIMUM Y	1.150	.798	.667
MINIMUM Y	-.854	-.726	-.626
CENTROID X	-.029	.014	.108
CENTROID Y	.285	.157	.057
POA TO CENTROID in.	.286	.158	.122
MIN RADIUS	.286	.404	.504
MEAN RADIUS	.751	.703	.653
MAX RADIUS	1.213	1.096	.808
HORIZONTAL SPREAD	1.617	1.617	1.357
VERTICAL SPREAD	2.004	1.524	1.293
EXTREME SPREAD	2.071	1.911	1.522
NUMBER IN ONE INCH CIRCLE	= 3		
NUMBER IN TWO INCH CIRCLE	= 9		
NUMBER IN THREE INCH CIRCLE	= 10		