

C6611796

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington

Remington[®]


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

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

MODEL 700TM M24

SERIAL NO.
C6611796

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

20

ORDER NO.
5716



5716 C6611796



MOD. _____ GA. CAL. _____ GUN # 1796

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st		
NF	4/18	EDS	RW
	2nd		
	5/13/91	New Bolt 100 Rd Test OK 5-20-91 DH	RW
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611796

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/28/91	RW
600	Proof		3/28/91	RW
607	Check Headspace		3/28/91	RW
610	Dis-assemble Gun		3/28/91	RW
612	Magnaflux Barrel Action	APR	2 1991	TR
	Magnaflux Bolt	APR	2 1991	U
615	Rollmark Caliber	APR	2 1991	gg
617	Drill and Tap Sight Holes	APR	5 1991	WB
618	Polish Barrel	APR	5 1991	WB
620	Apply Coatings (Barrel Action)		4-9-91	DK
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/10/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/10/91	RW
	C) Inspect Ejector Hole for Chamfer		4/10/91	RW
	D) Oil Firing Pin Ass'y		4/10/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4-17-91	DH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4/18/91	JH
	G) Safety Off Force	4	4	4			4/18/91	JH
	H) Trigger Pull Test & Retainability						4-17-91	D/H
	I) Firing Pin Indent	.021	.0215	.0215			4/18/91	JH
	J) Assemble Stock						4/18/91	RW
	K) Assemble Swivel Studs						5-21-91	D/H
	L) Attach Front and Rear Sight Assemblies						4/18/91	RW
	M) Iron Sight Alignment						4/18/91	RW
	N) Detach Front & Rear Sights & place in numbered container						4/18/91	RW
	O) Attach Scope to Rifle						4/18/91	RW
	P) Detach & Attach Scope 20 Times						4/18/91	RW
640	Gallery Target & Test						4-18-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						4-18-91	NF
655	Final Inspection							
	A) Headspace						5-21-91	D/H
	B) Trigger Pull	2.62	2.66	2.67	2.64	2.65	5-20-91	JCP
	C) Function						5-21-91	D/H
660	Pack						6-17-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6611796

DATE 4-16-91

TESTER D/H

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.55	2.83	2.53	2.62	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.54	2.96	2.60	2.66	
PULL #3	2.56	2.87	2.40	2.67	
PULL #4	2.58	2.88	2.56	2.64	
PULL #5	2.53	2.87	2.52	2.65	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.06	3.00		
PULL #2	3.13	3.28		
PULL #3	3.07	3.12		
PULL #4	3.06	3.12		
PULL #5	3.00	3.18		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.50	4.49		4.18
PULL #2	4.56	4.52		4.13
PULL #3	4.52	4.50		4.19
PULL #4	4.53	4.50		4.22
PULL #5	4.56	4.44		4.24
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06611
18 Apr 1991 1796

CENTROIDAL DISTANCES

0 TO 1	.283387
1 TO 2	.262488
1 TO 3	.221
1 TO 4	.319453
1 TO 5	.296805

31

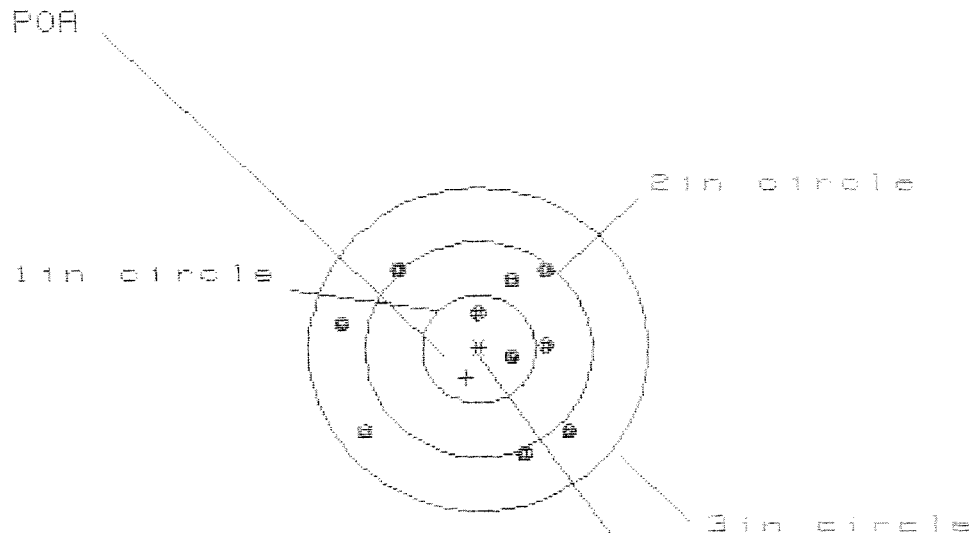
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.021
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1226
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .124386
THE AMR FOR THIS RIFLE IS: .668

18 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611796

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 1.969

VS= 1.731

GS= 2.191

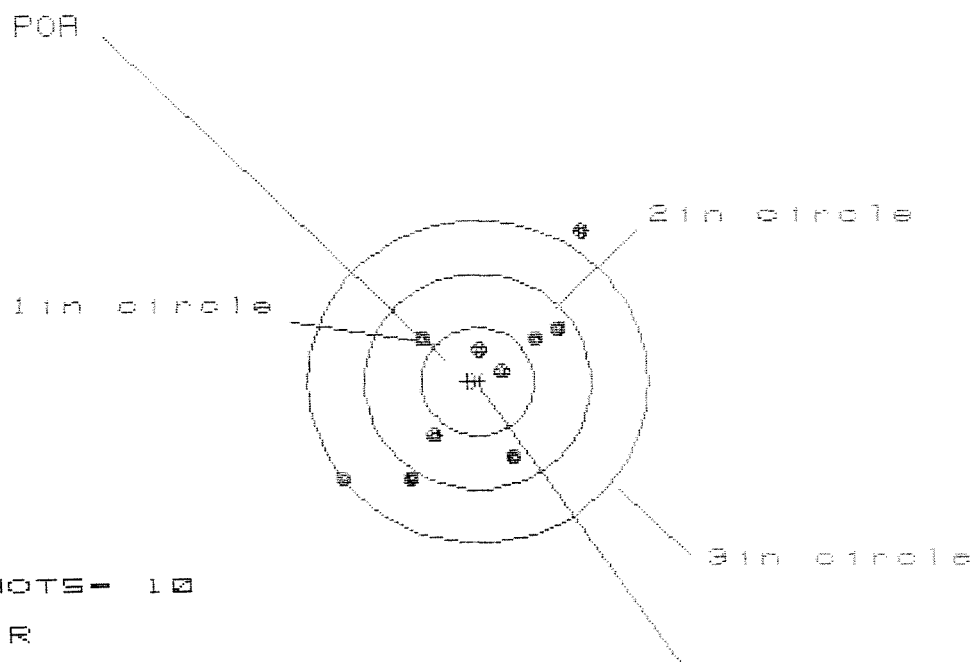
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.742	.635	.468
MINIMUM X	-1.227	-1.334	-.935
MAXIMUM Y	.731	.642	.658
MINIMUM Y	-1.000	-1.089	-1.073
CENTROID X	.108	.215	.382
CENTROID Y	.262	.351	.335
POA TO CENTROID in.	.283	.411	.508
MIN RADIUS	.275	.206	.107
MEAN RADIUS	.835	.753	.648
MAX RADIUS	1.252	1.340	1.143
HORIZONTAL SPREAD	1.969	1.969	1.403
VERTICAL SPREAD	1.731	1.731	1.731
EXTREME SPREAD	2.191	2.191	2.038
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS = 2.093

VS = 2.267

GS = 3.085

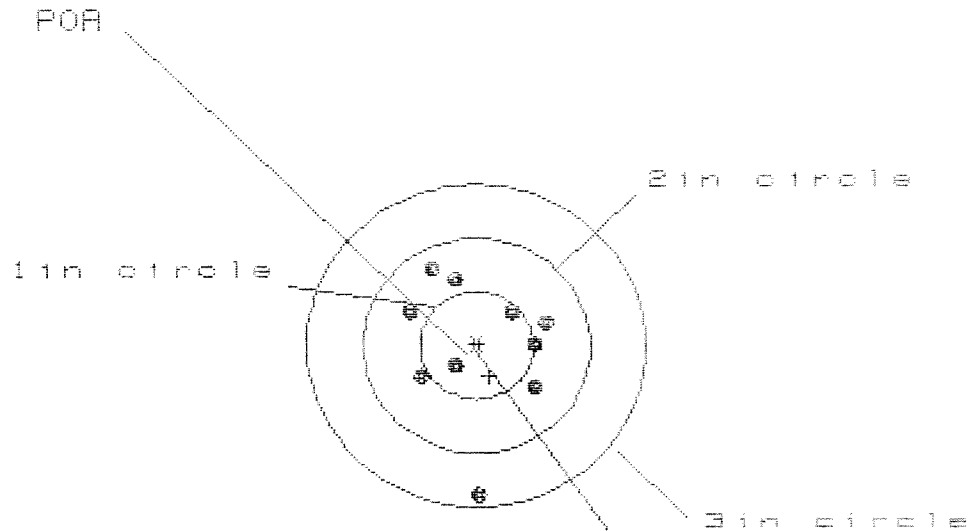
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.936	.831	.700
MINIMUM X	:	-1.157	-1.053	-.611
MAXIMUM Y	:	1.354	.685	.589
MINIMUM Y	:	-.913	-.762	-.838
CENTROID X	:	.092	-.012	.119
CENTROID Y	:	-.000	-.151	-.055
POA TO CENTROID in.	:	.092	.151	.132
MIN RADIUS	:	.217	.390	.228
MEAN RADIUS	:	.825	.744	.646
MAX RADIUS	:	1.646	1.300	1.037
HORIZONTAL SPREAD	:	2.093	1.884	1.311
VERTICAL SPREAD	:	2.267	1.447	1.427
EXTREME SPREAD	:	3.085	2.376	1.938
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 2

2in = 9

3in = 10

HS= 1.260

VS= 2.174

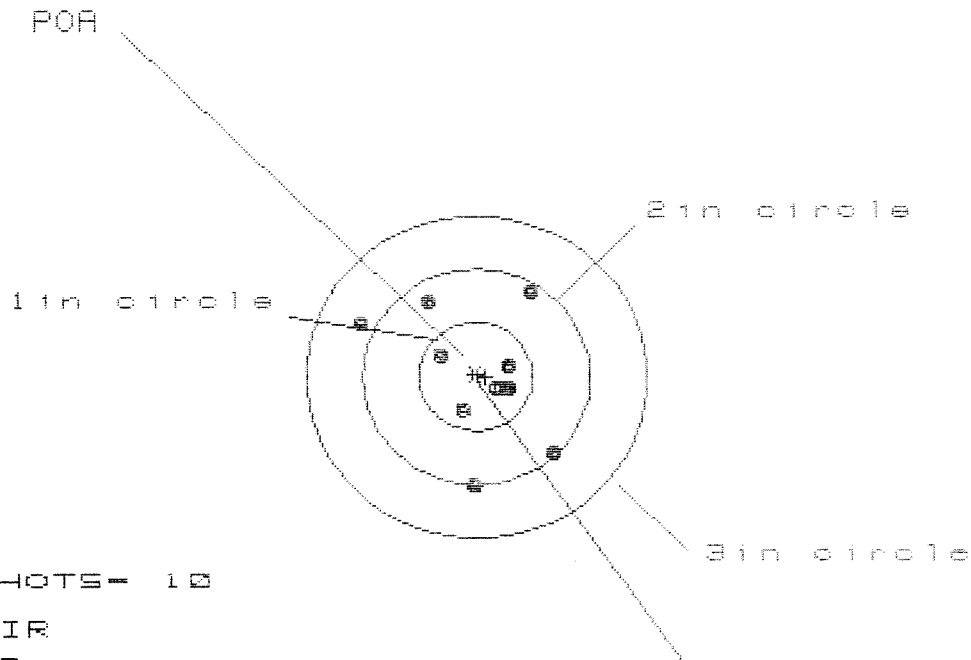
GS= 2.209

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.632	.630	.578
MINIMUM X	:	-.628	-.630	-.682
MAXIMUM Y	:	.761	.604	.510
MINIMUM Y	:	-1.413	-.524	-.448
CENTROID X	:	-.112	-.110	-.058
CENTROID Y	:	.293	.440	.364
POA TO CENTROID in.	:	.304	.453	.369
MIN RADIUS	:	.248	.348	.345
MEAN RADIUS	:	.664	.567	.538
MAX RADIUS	:	1.413	.732	.710
HORIZONTAL SPREAD	:	1.260	1.260	1.260
VERTICAL SPREAD	:	2.174	1.128	.958
EXTREME SPREAD	:	2.209	1.440	1.286
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 5

2in = 9

3in = 10

HS= 1.762

VS= 1.781

GS= 2.102

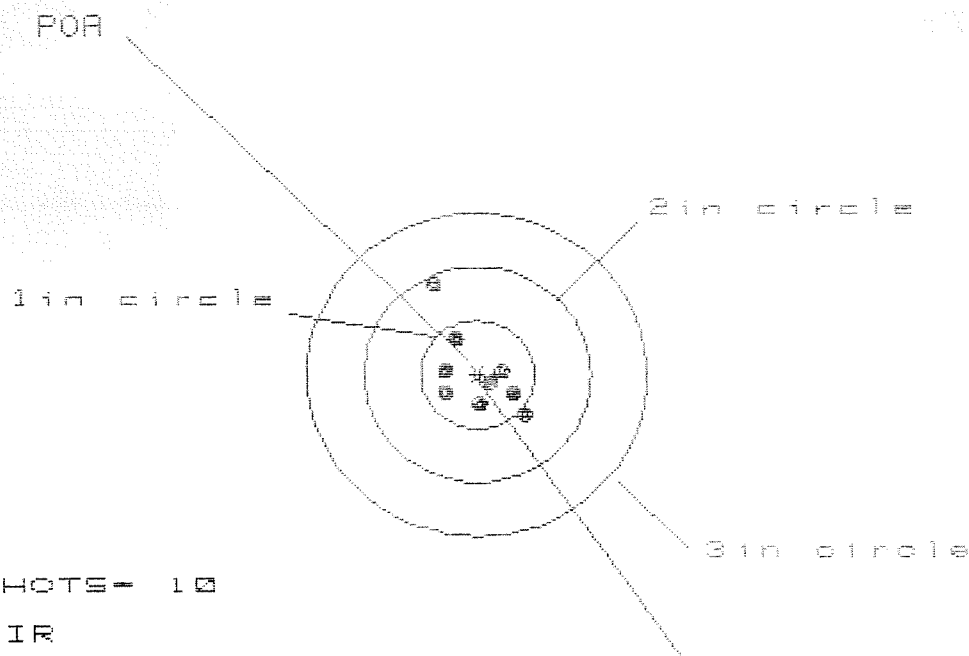
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.695	.576	.553
MINIMUM X	:	-1.068	-.491	-.514
MAXIMUM Y	:	.798	.850	.734
MINIMUM Y	:	-.983	-.931	-.745
CENTROID X	:	-.079	.039	.062
CENTROID Y	:	.003	-.049	.067
POA TO CENTROID in.	:	.080	.063	.091
MIN RADIUS	:	.212	.102	.187
MEAN RADIUS	:	.636	.553	.508
MAX RADIUS	:	1.165	.949	.928
HORIZONTAL SPREAD	:	1.762	1.067	1.067
VERTICAL SPREAD	:	1.781	1.781	1.479
EXTREME SPREAD	:	2.102	1.862	1.707
NUMBER IN ONE INCH CIRCLE =			5	
NUMBER IN TWO INCH CIRCLE =			9	
NUMBER IN THREE INCH CIRCLE =			10	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 8

2in = 10

3in = 10

HS= .783

VS= 1.219

GS= 1.449

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.403	.361	.296
MINIMUM X	:	-.380	-.344	-.299
MAXIMUM Y	:	.852	.479	.445
MINIMUM Y	:	-.367	-.272	-.228
CENTROID X	:	-.114	-.072	-.117
CENTROID Y	:	.065	-.030	.004
POA TO CENTROID in.	:	.131	.078	.117
MIN RADIUS	:	.150	.105	.142
MEAN RADIUS	:	.380	.292	.279
MAX RADIUS	:	.933	.512	.465
HORIZONTAL SPREAD	:	.783	.705	.595
VERTICAL SPREAD	:	1.219	.751	.673
EXTREME SPREAD	:	1.449	.926	.715
NUMBER IN ONE INCH CIRCLE	=		8	
NUMBER IN TWO INCH CIRCLE	=		10	
NUMBER IN THREE INCH CIRCLE	=		10	