

C6594504

MODEL 790TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington




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

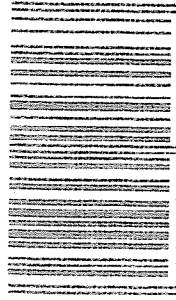
MODEL 700™ H24

SERIAL NO.
C6594504

ORDER NO.
5715

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

UPC



0 47700 25716 7



5715 C6594504

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594504

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1228	90	RW
600	Proof	1228	90	RW
607	Check Headspace	1228	90	RW
610	Dis-assemble Gun	1228	90	RW
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	JS
617	Drill and Tap Sight Holes	1 10	91	FB
618	Polish Barrel	1 10	91	WB
620	Apply Coatings (Barrel Action)		1-18-91	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/28/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/28/91	RW
	C) Inspect Ejector Hole for Chamfer		1/28/91	RW
	D) Oil Firing Pin Ass'y		1/28/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1-31-91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			2/4/91	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			2/4/91	WB
	H) Trigger Pull Test & Retainability						1/31/91	JJ
	I) Firing Pin Indent	.021	.0215	.0215			2/4/91	WB
	J) Assemble Stock						2/5/91	RW
	K) Assemble Swivel Studs						2-19-91	AC
	L) Attach Front and Rear Sight Assemblies						2/5/91	RW
	M) Iron Sight Alignment						2/5/91	RW
	N) Detach Front & Rear Sights & place in numbered container						2/5/91	RW
	O) Attach Scope to Rifle						2/5/91	RW
	P) Detach & Attach Scope 20 Times						2/5/91	RW
640	Gallery Target & Test						2-5-91	AC
	A) Time						2-5-91	AC
	B) Malfunctions						2-5-91	AC
	C) Pierced Primers						2-5-91	AC
	D) Optical Clarity of Scope						2-5-91	AC
645	Inspect for Live Ammo						2-5-91	AC
655	Final Inspection							
	A) Headspace						2-19-91	AC
	B) Trigger Pull	2.53	2.49	2.50	2.30	2.53	2/18/91	WB
	C) Function						2-19-91	AC
660	Pack						2-19-91	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 66594504

DATE 1-31-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.19	2.30	2.53	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.36	2.41	2.32	2.49	
PULL #3	2.31	2.38	2.26	2.50	
PULL #4	2.28	2.32	2.30	2.30	
PULL #5	2.22	2.36	2.30	2.53	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.36		
PULL #2	3.47	3.13		
PULL #3	3.35	3.20		
PULL #4	3.40	3.39		
PULL #5	3.39	3.30		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	4.26		4.39
PULL #2	4.12	4.47		4.37
PULL #3	4.37	4.26		4.35
PULL #4	4.19	4.15		4.34
PULL #5	4.33	4.32		4.32
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06594504
6 Feb 1991

Gov't

CENTROIDAL DISTANCES

0 TO	1	.10824
1 TO	2	.0562939
1 TO	3	.233282
1 TO	4	.339006
1 TO	5	.304795

423 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1252
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0528
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .135878
THE AMP FOR THIS RIFLE IS: .7798

Gov't

6 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594504

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 2.024

VS= 2.054

GS= 2.427

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	-1.007	.930	.792
MINIMUM X	:	-1.023	-1.104	-.629
MAXIMUM Y	:	.771	.629	.516
MINIMUM Y	:	-1.282	-.905	-.606
CENTROID X	:	.096	.172	.310
CENTROID Y	:	-.050	.093	.206
POA TO CENTROID in.	:	.108	.196	.373
MIN RADIUS	:	.252	.357	.338
MEAN RADIUS	:	.786	.696	.592
MAX RADIUS	:	1.457	1.428	.815
HORIZONTAL SPREAD	:	2.034	2.034	1.421
VERTICAL SPREAD	:	2.054	1.534	1.122
EXTREME SPREAD	:	2.427	2.369	1.436
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

6 Feb 1981

FILE:/PATTERNING/CENTERFIRE_PATT/C6594584

CENTERFIRE PATTERNS # 2

POB

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS = 2.634

VS = .986

GS = 2.686

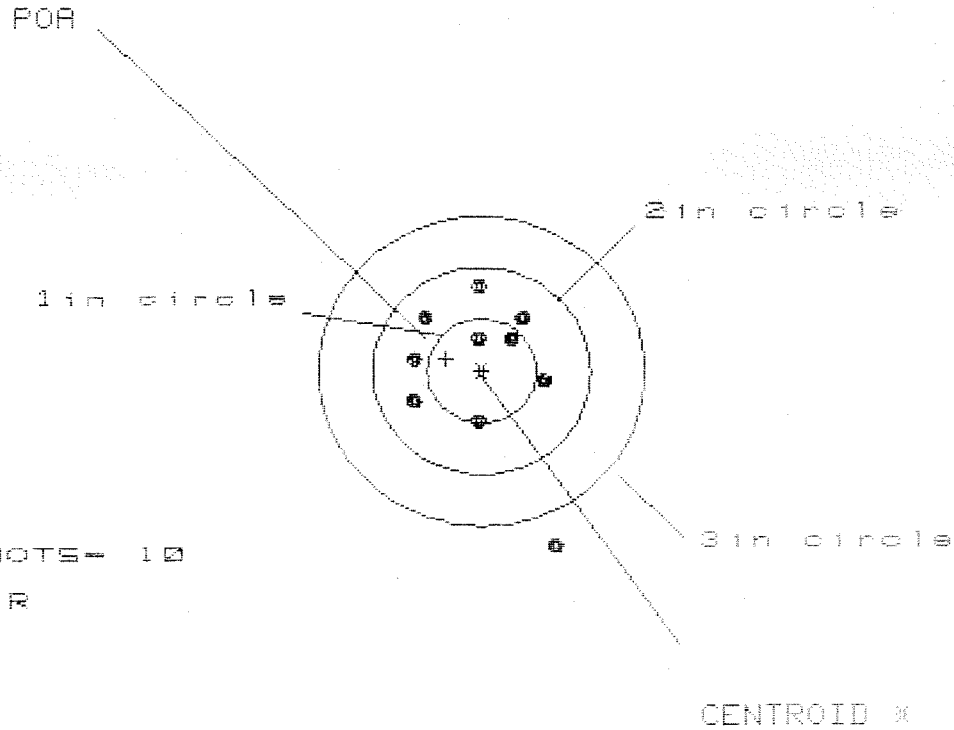
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.303	1.158	.973
MINIMUM X	:	-1.331	-1.476	-1.120
MAXIMUM Y	:	.494	.440	.426
MINIMUM Y	:	-.492	-.521	-.534
CENTROID X	:	.108	.253	.438
CENTROID Y	:	-.105	-.051	-.037
POB TO CENTROID in.	:	.151	.258	.440
MIN RADIUS	:	.031	.158	.291
MEAN RADIUS	:	.823	.748	.634
MAX RADIUS	:	1.395	1.480	1.241
HORIZONTAL SPREAD	:	2.634	2.634	2.093
VERTICAL SPREAD	:	.986	.961	.961
EXTREME SPREAD	:	2.686	2.642	2.182
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

6 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6534584

CENTERFIRE PATTERNS # 3



OF SHOTS- 10
 # IN CIR
 1 in = 2
 2 in = 9
 3 in = 9
 HS= 1.384
 VS= 2.578
 GS= 2.688

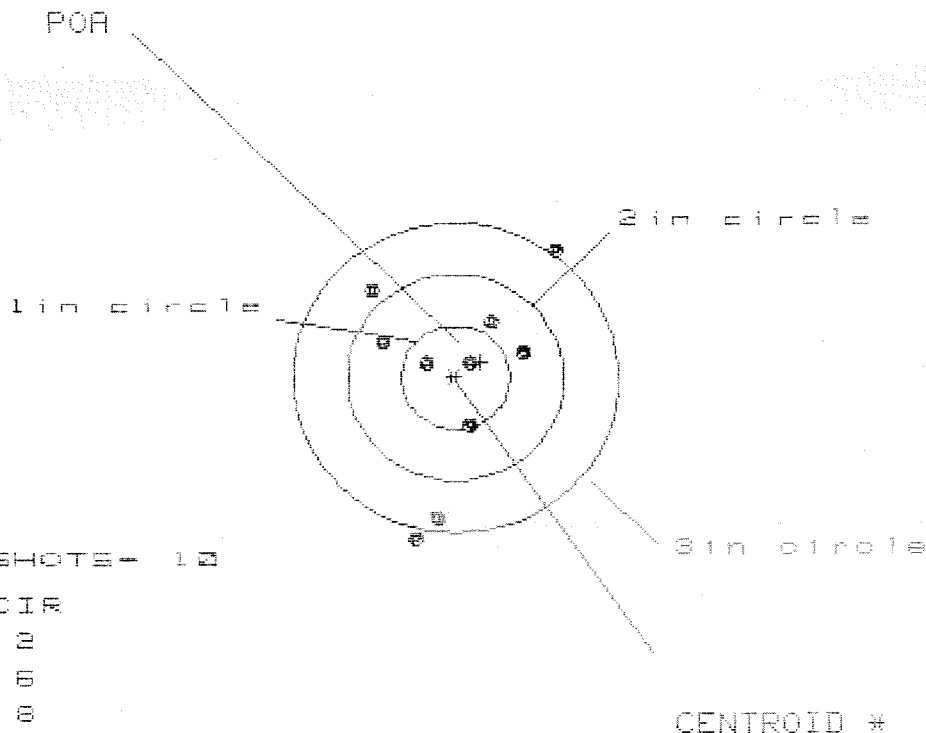
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.711	.627	.634
MINIMUM X	:	-.653	-.574	-.567
MAXIMUM Y	:	.855	.664	.437
MINIMUM Y	:	-1.723	-.712	-.629
CENTROID X	:	.326	.247	.240
CENTROID Y	:	-.116	.075	-.008
FOR TO CENTROID in.	:	.346	.258	.240
MIN RADIUS	:	.351	.156	.239
MEAN RADIUS	:	.717	.543	.535
MAX RADIUS	:	1.864	.746	.690
HORIZONTAL SPREAD	:	1.364	1.201	1.201
VERTICAL SPREAD	:	2.578	1.376	1.066
EXTREME SPREAD	:	2.688	1.376	1.303
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		9	

6 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594504

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 1.749

VS= 2.841

GS= 3.124

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.930	.889	.736
MINIMUM X	:	-.819	-.860	-.749
MAXIMUM Y	:	1.251	1.074	.777
MINIMUM Y	:	-1.590	-1.512	-1.377
CENTROID X	:	-.230	-.189	-.300
CENTROID Y	:	-.143	.034	-.101
POA TO CENTROID in.	:	.271	.192	.317
MIN RADIUS	:	.218	.091	.223
MEAN RADIUS	:	.877	.762	.691
MAX RADIUS	:	1.632	1.521	1.379
HORIZONTAL SPREAD	:	1.749	1.749	1.485
VERTICAL SPREAD	:	2.841	2.586	2.154
EXTREME SPREAD	:	3.124	2.793	2.263
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	8		

6 Feb 1931

FILE:/PATTERNING/CENTERFIRE_PATT/06534504

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 9

HS= 1.540

VS= 2.583

GS= 2.611

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.735	.774	.557
MINIMUM X	:	-.805	-.766	-.669
MAXIMUM Y	:	1.494	.699	.584
MINIMUM Y	:	-1.089	-.924	-.677
CENTROID X	:	.326	.287	.190
CENTROID Y	:	.150	-.016	.099
POA TO CENTROID in.	:	.358	.287	.214
MIN RADIUS	:	.135	.153	.011
MEAN RADIUS	:	.696	.602	.499
MAX RADIUS	:	1.534	1.205	.877
HORIZONTAL SPREAD	:	1.540	1.540	1.226
VERTICAL SPREAD	:	2.583	1.623	1.261
EXTREME SPREAD	:	2.611	2.001	1.525
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	