

C6636090

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

* Includes 1 in chamber.

Remington

Remington[®]

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

MODEL 700TM H24

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

SERIAL NO.
C6636090

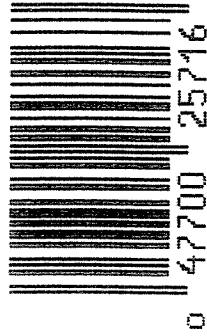
ORDER NO.
5716

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

20



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636090

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 8 9 1		RW
600	Proof	4 8 9 1		RW
607	Check Headspace	4 8 9 1		RW
610	Dis-assemble Gun	4 8 9 1		RW
612	Magnaflux Barrel Action		APR 9 1991	KPZ
	Magnaflux Bolt		APR 9 1991	Y
615	Rollmark Caliber		APR 9 1991	YJ
617	Drill and Tap Sight Holes		APR 10 1991	FB
618	Polish Barrel		APR 19 1991	WB
620	Apply Coatings (Barrel Action)		5/10/91	YJ
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/14/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/14/91	RW
	C) Inspect Ejector Hole for Chamfer		5/14/91	RW
	D) Oil Firing Pin Ass'y		5/14/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5-17-91	DH

Op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	6	5			5/18/91	RW
	G) Safety Off Force	3	3	3			5/18/91	RW
	H) Trigger Pull Test & Retainability						5-17-91	DH
	I) Firing Pin Indent	.021	.021	.021			5-17-91	A
	J) Assemble Stock						5/18/91	RW
	K) Assemble Swivel Studs						5-21-91	DH
	L) Attach Front and Rear Sight Assemblies						5/18/91	RW
	M) Iron Sight Alignment						5/18/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/18/91	RW
	O) Attach Scope to Rifle						5/18/91	RW
	P) Detach & Attach Scope 20 Times						5/18/91	RW
640	Gallery Target & Test						5-20-91	VF
	A) Time							VF
	B) Malfunctions							VF
	C) Pierced Primers							VF
	D) Optical Clarity of Scope							VF
645	Inspect for Live Ammo						5-20-91	VF
655	Final Inspection							
	A) Headspace						5-21-91	DH
	B) Trigger Pull	2.31	2.22	2.18	2.17	2.29	5/21/91	DH
	C) Function						5-21-91	DH
660	Pack						6-17-91	VF

SWS TRIGGER PULL TEST

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

SERIAL NO. C663090

DATE 5-17-91

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.64	2.61	2.31	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.55	2.75	2.58	2.22	
PULL #3	2.58	2.71	2.57	2.18	
PULL #4	2.65	2.59	2.60	2.17	
PULL #5	2.64	2.69	2.53	2.29	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.11		
PULL #2	3.32	3.10		
PULL #3	3.10	3.19		
PULL #4	3.20	3.25		
PULL #5	3.23	3.28		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.32	4.05		4.67
PULL #2	4.26	4.17		4.56
PULL #3	4.28	4.30		4.29
PULL #4	4.25	4.13		4.66
PULL #5	4.15	4.15		4.68
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # .06636090
20 May 1991

CENTROIDAL DISTANCES

0 TO	1	.104389
1 TO	2	.238437
1 TO	3	.404487
1 TO	4	.193259
1 TO	5	.30144

5
4

-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0324
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0012
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0324222

THE AMR FOR THIS RIFLE IS: .9378

28 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636090

CENTERFIRE PATTERNS

1

POB

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 3.314

VS= 2.606

GS= 3.347

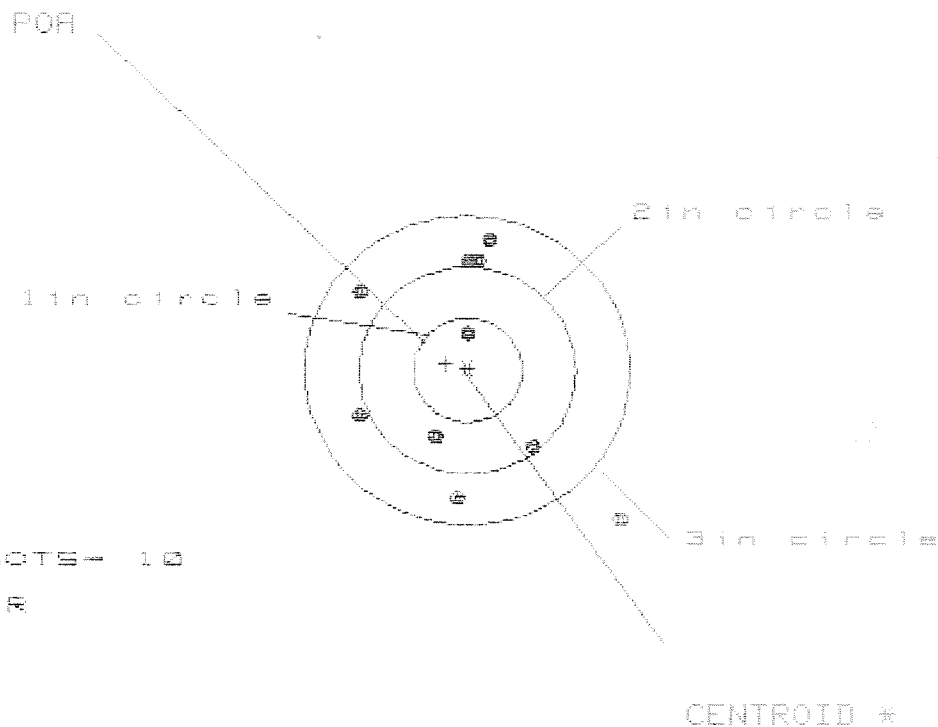
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.288	1.063	1.127
MINIMUM X	-2.025	-1.994	-1.930
MAXIMUM Y	1.362	1.372	1.111
MINIMUM Y	-1.244	-1.234	-1.062
CENTROID X	-.041	.185	.121
CENTROID Y	-.096	-.106	-.278
POB TO CENTROID in.	.104	.213	.303
MIN RADIUS	.240	.097	.276
MEAN RADIUS	1.074	.924	.874
MAX RADIUS	2.028	1.462	1.224
HORIZONTAL SPREAD	3.314	2.057	2.057
VERTICAL SPREAD	2.606	2.606	2.173
EXTREME SPREAD	3.347	2.859	2.233
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

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FILE:/PATTERNING/CENTERFIRE_PATT/C8536090

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 2

3in = 8

HS= 2.428

VS= 2.662

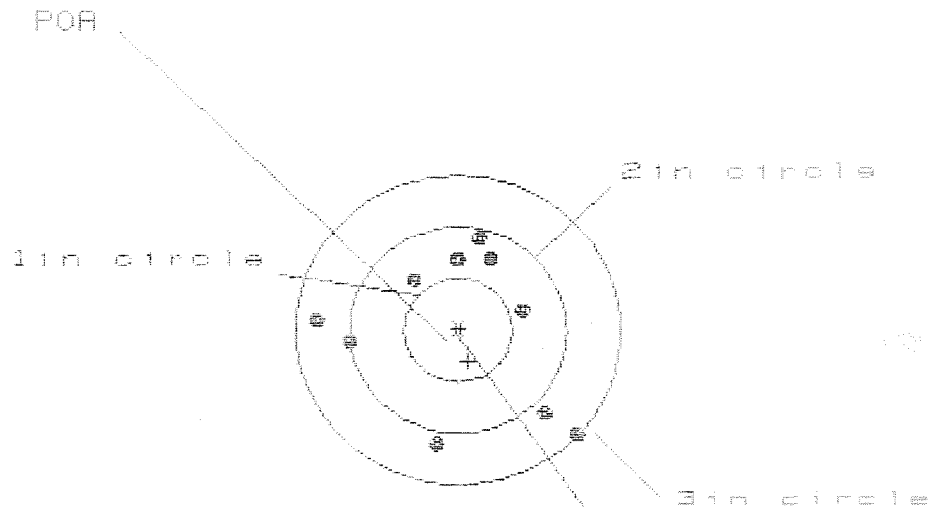
GS= 3.273

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.396	.805	.695
MINIMUM X	-1.032	-.876	-.910
MAXIMUM Y	1.247	1.090	1.168
MINIMUM Y	-1.415	-1.429	-1.351
CENTROID X	.195	.039	.149
CENTROID Y	-.062	.095	.017
POA TO CENTROID in.	.204	.103	.150
MIN RADIUS	.405	.307	.333
MEAN RADIUS	1.103	.973	.959
MAX RADIUS	1.988	1.433	1.351
HORIZONTAL SPREAD	2.428	1.681	1.685
VERTICAL SPREAD	2.662	2.519	2.519
EXTREME SPREAD	3.273	2.531	2.531
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	9		

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FILE:/PATTERNING/CENTERFIRE_PATT/C8636080

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 6

3 in = 10

HE= 2.224

VS= 2.045

GS= 2.573

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.066	.896	.754
MINIMUM X	:	-1.258	-1.140	-.991
MAXIMUM Y	:	.989	.795	.790
MINIMUM Y	:	-1.136	-1.250	-1.255
CENTROID X	:	-.094	-.212	-.070
CENTROID Y	:	.385	.419	.424
POA TO CENTROID in.	:	.319	.470	.430
MIN RADIUS	:	.614	.451	.543
MEAN RADIUS	:	.966	.879	.835
MAX RADIUS	:	1.481	1.291	1.283
HORIZONTAL SPREAD	:	2.324	2.036	1.745
VERTICAL SPREAD	:	2.045	2.045	2.045
EXTREME SPREAD	:	2.573	2.222	2.085
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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FILE:/PATTERNING/CENTERFIRE_PATT/C653B030

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS = 2.190

VS = 2.568

GS = 2.993

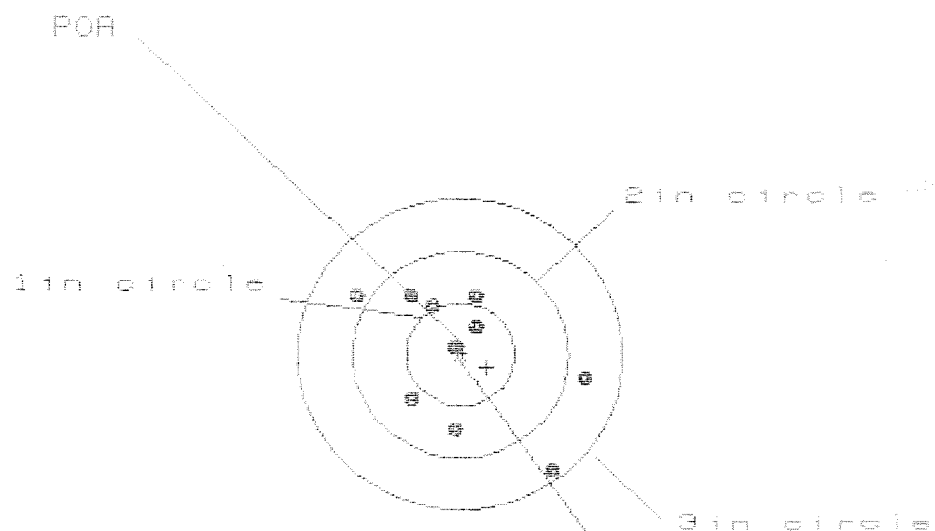
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.896	1.643	.494
MINIMUM X	-1.294	-1.194	-.529
MAXIMUM Y	1.031	.860	.901
MINIMUM Y	-1.537	-.695	-.653
CENTROID X	.024	-.076	.073
CENTROID Y	-.278	-.107	-.149
POA TO CENTROID in.	.279	.131	.166
MIN. RADIUS	.336	.399	.328
MEAN RADIUS	.822	.731	.643
MAX. RADIUS	1.779	1.239	1.003
HORIZONTAL SPREAD	2.190	1.837	1.023
VERTICAL SPREAD	2.568	1.555	1.555
EXTREME SPREAD	2.993	2.031	1.689
NUMBER IN ONE INCH CIRCLE	= 3		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 9		

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FILE:/PATTERNING/CENTERFIRE_PATT/CS636090

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.101

VS= 1.733

GS= 2.530

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.115
MINIMUM X	-.986
MAXIMUM Y	.592
MINIMUM Y	-1.141
CENTROID X	-.246
CENTROID Y	.125
POA TO CENTROID in.	.276
MIN RADIUS	.085
MEAN RADIUS	.724
MAX RADIUS	1.427
HORIZONTAL SPREAD	2.101
VERTICAL SPREAD	1.733
EXTREME SPREAD	2.530
NUMBER IN ONE INCH CIRCLE =	2

NUMBER IN TWO INCH CIRCLE = 7
NUMBER IN THREE INCH CIRCLE = 10