

C6636097

MODEL 700™ M24

Model **SMS**™

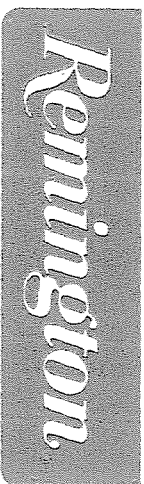
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington[®]


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

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

MODEL 700TM H24	SERIAL NO. C6636097
	ORDER NO. 5716

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

20



5716 C6636097

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636097

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 8 91		Rw
600	Proof	4 8 91		Rw
607	Check Headspace	4 8 91		Rw
610	Dis-assemble Gun	4 8 91		Rw
612	Magnaflux Barrel Action	APR 9 1991		KR
	Magnaflux Bolt	APR 9 1991		U
615	Rollmark Caliber	APR 9 1991		GL
617	Drill and Tap Sight Holes	APR 9 1991		LB
618	Polish Barrel	APR 9 1991		WB
620	Apply Coatings (Barrel Action)		5-10-91	TA
	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		6/1/91	WB

op. #	DESCRIPTION	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			6/1/91	WB
	G) Safety Off Force	3 1/2	3 1/2	3 1/2			6/1/91	WB
	H) Trigger Pull Test & Retainability						6/1/91	WB
	I) Firing Pin Indent	.022	.0225	.0225			6/1/91	WB
	J) Assemble Stock						6/4/91	RW
	K) Assemble Swivel Studs						6-8-91	D/H
	L) Attach Front and Rear Sight Assemblies						6/4/91	RW
	M) Iron Sight Alignment						6/4/91	RW
	N) Detach Front & Rear Sights & place in numbered container						6/4/91	RW
	O) Attach Scope to Rifle						6/4/91	RW
	P) Detach & Attach Scope 20 Times						6/4/91	RW
640	Gallery Target & Test						6-5-91	AC
	A) Time						6-5-91	AC
	B) Malfunctions						6-5-91	AC
	C) Pierced Primers						6-5-91	AC
	D) Optical Clarity of Scope						6-5-91	AC
645	Inspect for Live Ammo						6-5-91	AC
655	Final Inspection						6-8-91	D/H
	A) Headspace						6-8-91	D/H
	B) Trigger Pull	2.16	2.29	2.30	2.35	2.31	6-8-91	D/H
	C) Function						6-8-91	D/H
660	Pack						6-20-91	W

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6636097

DATE 6/1/91

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.46	2.39	2.16	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.53	2.53	2.29	
PULL #3	2.21	2.54	2.44	2.30	
PULL #4	2.25	2.21	2.56	2.35	
PULL #5	2.26	2.51	2.53	2.31	
TOTAL	11.44	12.25	12.65	2.31	
AVG.	2.29	2.45	2.53		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.13		
PULL #2	3.01	3.00		
PULL #3	3.16	3.10		
PULL #4	3.13	2.90		
PULL #5	3.03	3.07		
TOTAL	15.55	15.20		
AVG.	3.11	3.04		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.10		4.10
PULL #2	4.15	4.09		3.95
PULL #3	4.09	4.12		4.08
PULL #4	4.18	4.08		4.10
PULL #5	4.10	4.14		4.05
TOTAL	20.74	20.53		20.28
AVG.	4.15	4.11		4.06

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636097
5 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.384958
1 TO	2	.196237
1 TO	3	.453484
1 TO	4	.268164
1 TO	5	.300167

#1 (----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1398
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0566
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .150823
THE AMR FOR THIS RIFLE IS: .9496

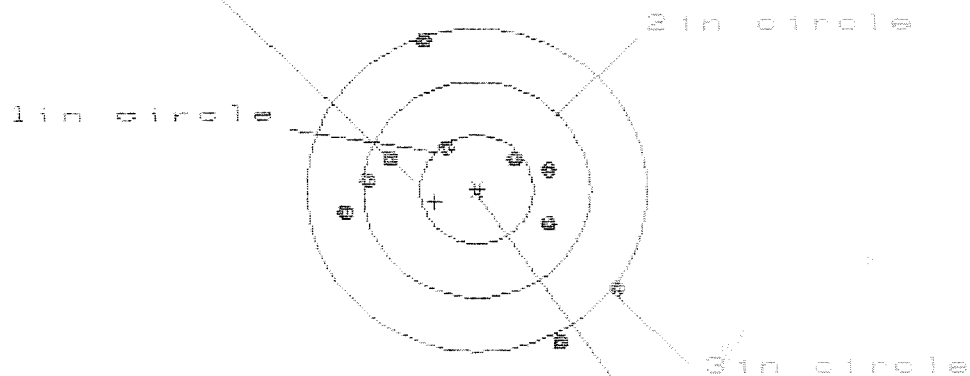
5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636097

CENTERFIRE PATTERNS

1

POR



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 8

HS = 2.435

VS = 2.726

GS = 2.985

CENTROID #

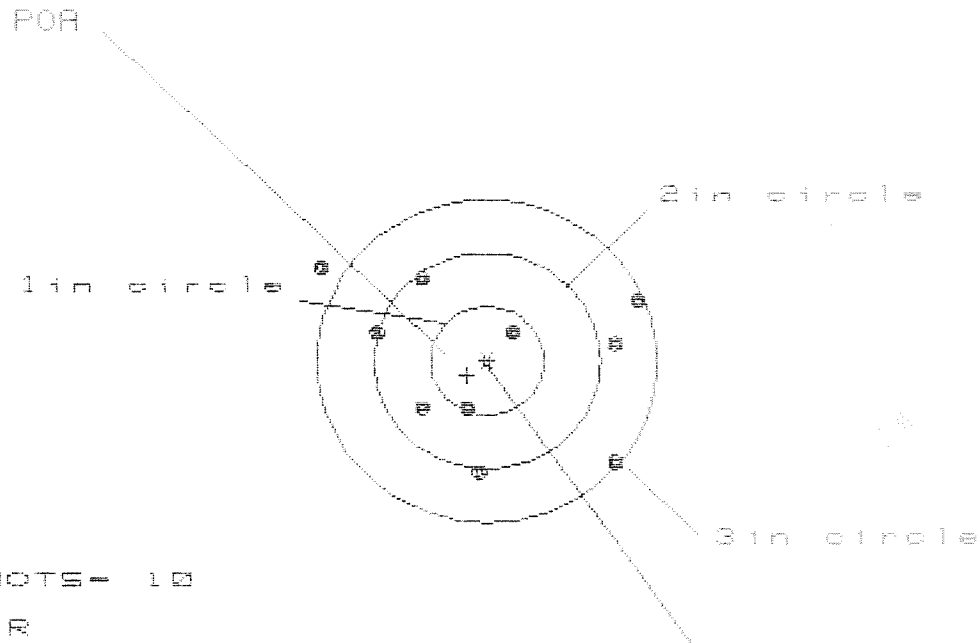
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.245	1.329	.928
MINIMUM X	-1.190	-1.106	-.940
MAXIMUM Y	1.362	1.210	1.081
MINIMUM Y	-1.364	-1.033	-.544
CENTROID X	.368	.284	.118
CENTROID Y	.113	.265	.394
POR TO CENTROID in.	.385	.388	.411
MIN RADIUS	.476	.313	.135
MEAN RADIUS	.986	.894	.762
MAX RADIUS	1.558	1.683	1.102
HORIZONTAL SPREAD	2.435	2.435	1.868
VERTICAL SPREAD	2.726	2.243	1.625
EXTREME SPREAD	2.985	2.819	1.942
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

5 Jun 1981

FILE:/PATTERNING/CENTERFIRE_PATT/C8636087

CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.800

VS= 1.931

GS= 3.145

CENTROID *

PATTERN #	:	2	10	9	8
SHOTS (BEST OF)	:		10	9	8
MAXIMUM X	:	1.387	1.141	1.257	
MINIMUM X	:	-1.493	-1.100	-.984	
MAXIMUM Y	:	.854	.881	.776	
MINIMUM Y	:	-1.077	-.982	-1.087	
CENTROID X	:	.173	.339	.223	
CENTROID Y	:	.135	.040	.146	
POA TO CENTROID in.	:	.219	.341	.266	
MIN RADIUS	:	.380	.374	.338	
MEAN RADIUS	:	1.024	.942	.887	
MAX RADIUS	:	1.720	1.295	1.356	
HORIZONTAL SPREAD	:	2.800	2.241	2.241	
VERTICAL SPREAD	:	1.931	1.863	1.863	
EXTREME SPREAD	:	3.145	2.373	2.252	
NUMBER IN ONE INCH CIRCLE	=		2		
NUMBER IN TWO INCH CIRCLE	=		5		
NUMBER IN THREE INCH CIRCLE	=		9		

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C863B097

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 1.819

VS= 2.497

GS= 3.089

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.113	-.802	.729
MINIMUM X	-.706	-.582	-.610
MAXIMUM Y	1.236	1.096	.857
MINIMUM Y	-1.261	-1.286	-1.149
CENTROID X	-.024	-.148	-.075
CENTROID Y	-.115	.025	-.112
POA TO CENTROID in.	.117	.150	.135
MIN RADIUS	.160	.118	.152
MEAN RADIUS	.877	.776	.704
MAX RADIUS	1.682	1.354	1.252
HORIZONTAL SPREAD	1.819	1.384	1.339
VERTICAL SPREAD	2.497	2.382	2.006
EXTREME SPREAD	3.089	2.387	2.351
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636097

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.727

VS= 2.244

GS= 2.857

CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.538	.936	.883
MINIMUM X	-1.189	-1.018	-1.071
MAXIMUM Y	1.288	1.358	1.133
MINIMUM Y	-.956	-.886	-.716
CENTROID X	.114	-.057	-.004
CENTROID Y	.027	-.043	-.213
POA TO CENTROID in.	.117	.071	.213
MIN RADIUS	.440	.557	.474
MEAN RADIUS	1.009	.924	.824
MAX RADIUS	1.662	1.423	1.214
HORIZONTAL SPREAD	2.727	1.954	1.954
VERTICAL SPREAD	2.244	2.244	1.849
EXTREME SPREAD	2.857	2.420	2.058
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CAB36097

CENTERFIRE PATTERNS

5

POB

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS = 1.373

VS = 2.680

GS = 2.736

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.500	.494	.554
MINIMUM X	-.873	-.879	-.819
MAXIMUM Y	1.677	1.423	.849
MINIMUM Y	-1.003	-.817	-.639
CENTROID X	.060	.074	.014
CENTROID Y	.123	-.063	-.241
POB TO CENTROID in.	.141	.097	.242
MIN RADIUS	.276	.287	.141
MEAN RADIUS	.852	.729	.600
MAX RADIUS	1.678	1.501	.905
HORIZONTAL SPREAD	1.373	1.373	1.373
VERTICAL SPREAD	2.680	2.240	1.488
EXTREME SPREAD	2.736	2.240	1.507
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	