

C6636080

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington
 MODEL 700TM H24

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

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

SERIAL NO.
 C6636080

ORDER NO.
5716

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

20



5716 C6636080

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636080

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	"
615	Rollmark Caliber		APR 9 1991	GL
617	Drill and Tap Sight Holes		APR 19 1991	WB
618	Polish Barrel		APR 19 1991	WB
620	Apply Coatings (Barrel Action)		5-10-91	JA
	Apply Coating (Bolt)		5-10-91	JA
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		6/3/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			6/4/91	WB
	G) Safety Off Force	2	2	2			6/4/91	WB
	H) Trigger Pull Test & Retainability						6/3/91	JA
	I) Firing Pin Indent	.0215	.0215	.0215			6/4/91	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							
	A) Headspace						6-8-91	D/H
	B) Trigger Pull	2.69	2.21	2.26	2.23	2.26	6-8-91	X/
	C) Function						6-8-91	D/H
660	Pack						6-20-91	N

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636080

DATE 6-3-91

TESTER 91

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.28	2.48	2.38	2.69	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.30	2.31	2.41	2.21	
PULL #3	2.52	2.45	2.36	2.26	
PULL #4	2.51	2.35	2.36	2.23	
PULL #5	2.52	2.50	2.49	2.26	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.54	3.25		
PULL #2	3.51	3.28		
PULL #3	3.39	3.21		
PULL #4	3.30	3.23		
PULL #5	3.39	3.37		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.23		4.35
PULL #2	4.34	4.42		4.53
PULL #3	4.29	4.43		4.50
PULL #4	4.33	4.40		4.55
PULL #5	4.45	4.34		4.49
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS

FOR RIFLE # C6636080

5 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.283323
1 TO	2	.155322
1 TO	3	.402413
1 TO	4	.335233
1 TO	5	.240651

←----POA

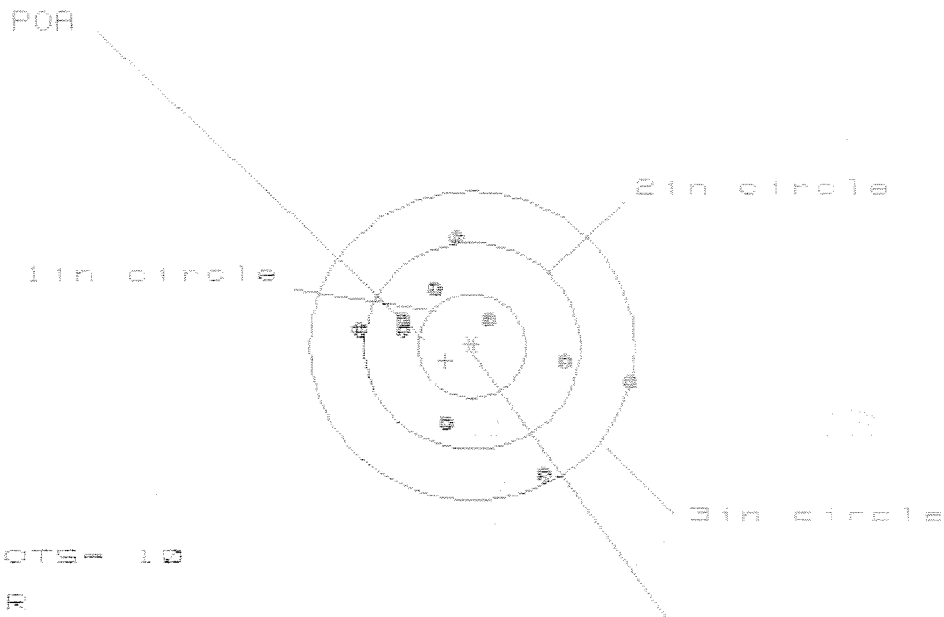
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0694
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .03
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0756066

THE AMP FOR THIS RIFLE IS: .9514

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636000

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 2.500

VS= 2.239

QS= 2.555

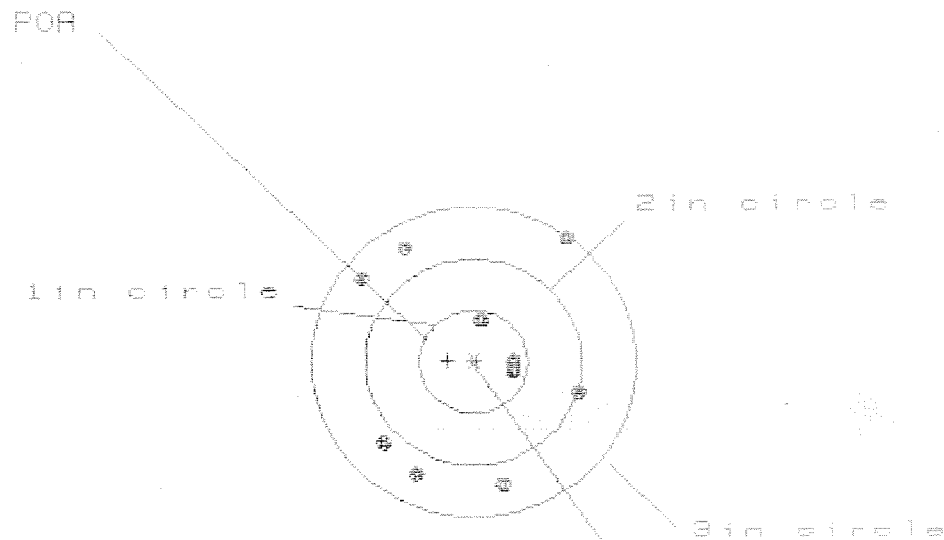
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.453	.975	1.077
MINIMUM X	:	-1.055	-.893	-.790
MAXIMUM Y	:	1.034	.998	.843
MINIMUM Y	:	-1.205	-1.241	-.906
CENTROID X	:	.244	.082	-.021
CENTROID Y	:	.144	.180	.335
POA TO CENTROID in.	:	.283	.198	.335
MIN RADIUS	:	.275	.350	.350
MEAN RADIUS	:	.884	.786	.653
MAX RADIUS	:	1.489	1.488	1.141
HORIZONTAL SPREAD	:	2.508	1.868	1.868
VERTICAL SPREAD	:	2.239	2.239	1.749
EXTREME SPREAD	:	2.555	2.384	1.900
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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FILE:/PATTERNING/CENTERFIRE_PATT/C6636080

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 3

2in = 3

3in = 10

HS = 3.029

VS = 2.402

GS = 2.712

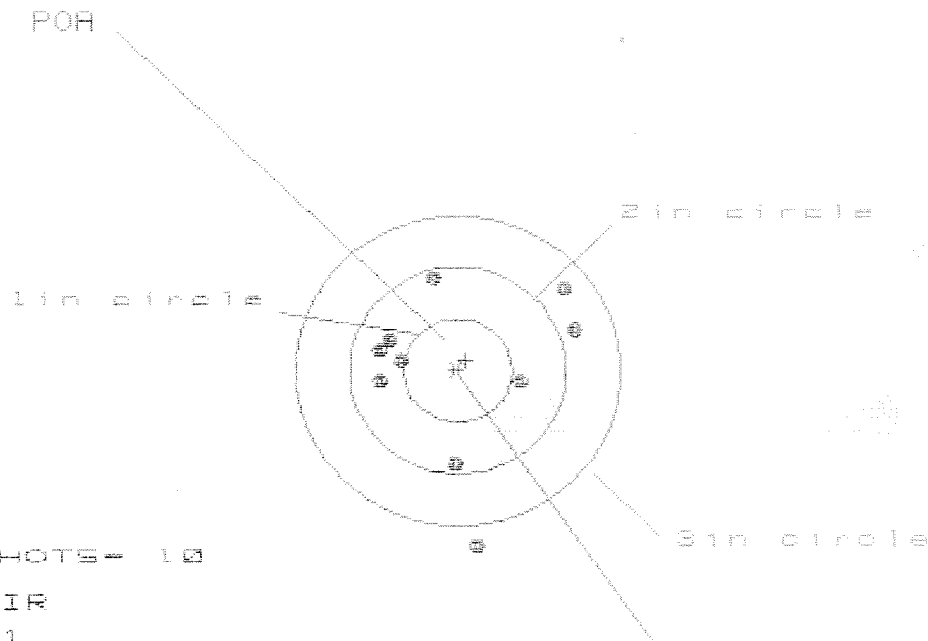
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.999	1.100	.984
MINIMUM X	:	-1.030	-.929	-.857
MAXIMUM Y	:	1.183	1.205	1.321
MINIMUM Y	:	-1.220	-1.088	-.972
CENTROID X	:	.234	.133	.249
CENTROID Y	:	-.011	-.143	-.259
POA TO CENTROID in.	:	.234	.195	.359
MIN RADIUS	:	.407	.506	.425
MEAN RADIUS	:	.993	.948	.879
MAX RADIUS	:	1.492	1.314	1.457
HORIZONTAL SPREAD	:	2.029	2.029	1.841
VERTICAL SPREAD	:	2.402	2.293	2.293
EXTREME SPREAD	:	2.712	2.435	2.435
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	10		

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FILE:/PATTERNING/CENTERFIRE_PATT/C6636060

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 1

2in = 7

3in = 9

HE = 1.787

VS = 2.569

GS = 2.601

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.046	1.070	1.195
MINIMUM X	:	-.741	-.717	-.592
MAXIMUM Y	:	.904	.718	.795
MINIMUM Y	:	-1.665	-1.061	-.984
CENTROID X	:	-.076	-.100	-.225
CENTROID Y	:	-.100	.086	.009
POA TO CENTROID in.	:	.125	.132	.226
MIN RADIUS	:	.486	.471	.334
MEAN RADIUS	:	.913	.809	.728
MAX RADIUS	:	1.680	1.175	1.236
HORIZONTAL SPREAD	:	1.787	1.787	1.787
VERTICAL SPREAD	:	2.569	1.779	1.779
EXTREME SPREAD	:	2.601	1.952	1.853
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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FILE:/PATTERNING/CENTERFIRE_PATT/C6636080

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.323

VS= 2.611

GS= 3.161

CENTROID X

PATTERN #	4	10	9	8
SHOTS (BEST OF)		10	9	8
MAXIMUM X	1.193	1.087	1.932	
MINIMUM X	-1.130	-1.236	-.918	
MAXIMUM Y	1.134	.970	1.069	
MINIMUM Y	-1.477	-.961	-.862	
CENTROID X	-.086	.020	.175	
CENTROID Y	.085	.249	.150	
POA TO CENTROID in.	.121	.250	.230	
MIN RADIUS	.378	.277	.282	
MEAN RADIUS	.951	.829	.745	
MAX RADIUS	1.759	1.471	1.212	
HORIZONTAL SPREAD	2.323	2.323	1.850	
VERTICAL SPREAD	2.611	1.931	1.931	
EXTREME SPREAD	3.161	2.534	2.380	
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/C8636000

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.440

VS= 2.715

GS= 2.909

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.210	1.168	1.172
MINIMUM X	-1.227	-1.272	-1.126
MAXIMUM Y	1.483	.957	.861
MINIMUM Y	-1.232	-1.067	-1.163
CENTROID X	.031	.076	-.070
CENTROID Y	.032	-.133	-.037
POA TO CENTROID in.	.044	.153	.079
MIN RADIUS	.442	.457	.325
MEAN RADIUS	1.016	.943	.877
MAX RADIUS	1.537	1.399	1.181
HORIZONTAL SPREAD	2.440	2.440	2.298
VERTICAL SPREAD	2.715	2.024	2.024
EXTREME SPREAD	2.909	2.673	2.299
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 5		
NUMBER IN THREE INCH CIRCLE	= 8		