

C6636072

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Smith
Wesson

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

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

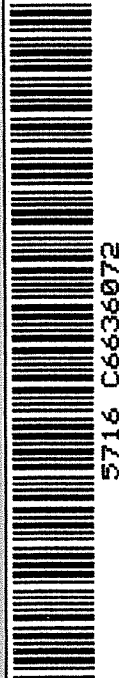
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ H24

SERIAL NO. C6636072

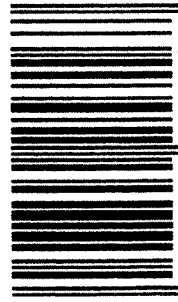
ORDER NO. 5716

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



5716 C6636072

UPC



0 47700 25216 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636 072

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	LC
615	Rollmark Caliber	APR	9 1991	LS
617	Drill and Tap Sight Holes	APR	1 9 1991	LB
618	Polish Barrel	APR	1 9 1991	WB
620	Apply Coatings (Barrel Action)		5-10-91	PA
	Apply Coating (Bolt)			PA
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		5-15-91	Rw

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/16/91	DH
	G) Safety Off Force	3	3	3			5/16/91	DH
	H) Trigger Pull Test & Retainability						5-15-91	SH
	I) Firing Pin Indent	.021	.021	.020			5-16-91	DH
	J) Assemble Stock						5/16/91	RW
	K) Assemble Swivel Studs						5-23-91	DH
	L) Attach Front and Rear Sight Assemblies						5/16/91	RW
	M) Iron Sight Alignment						5/16/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/16/91	RW
	O) Attach Scope to Rifle						5/16/91	RW
	P) Detach & Attach Scope 20 Times						5/16/91	RW
640	Gallery Target & Test						5/21/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						5/21/91	KT
655	Final Inspection							
	A) Headspace						5-23-91	DH
	B) Trigger Pull	2.54	2.53	2.44	2.22	2.48	5/23/91	SH
	C) Function						5-23-91	DH
660	Pack						6-20-91	VF

SWS TRIGGER PULL TEST

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

SERIAL NO C-6636072

DATE 5-15-91

TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.42	2.48	2.54	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.40	2.24	2.40	2.53	
PULL #3	2.40	2.26	2.42	2.44	
PULL #4	2.33	2.21	2.30	2.22	
PULL #5	2.42	2.29	2.33	2.48	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.25		
PULL #2	3.16	3.39		
PULL #3	3.20	3.26		
PULL #4	3.27	3.37		
PULL #5	3.30	3.38		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.59	4.44		4.31
PULL #2	4.56	4.35		4.30
PULL #3	4.51	4.26		4.41
PULL #4	4.59	4.29		4.42
PULL #5	4.60	4.30		4.46
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636072
21 May 1991

CENTROIDAL DISTANCES

0 TO	1	.0739256
1 TO	2	.227774
1 TO	3	.169541
1 TO	4	.190646
1 TO	5	.173142

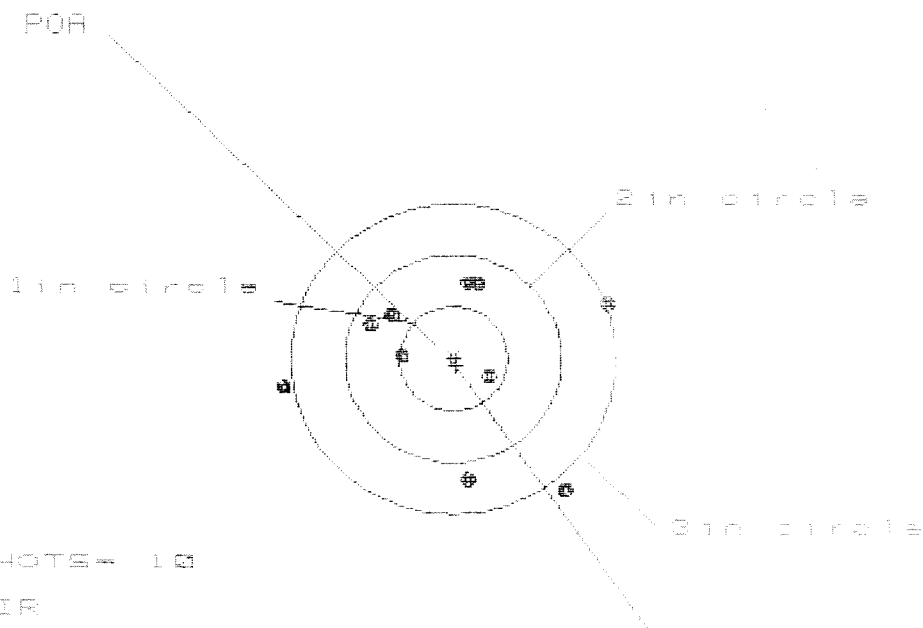
28 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0042
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0984
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .098517
THE AMR FOR THIS RIFLE IS: 1.142

21 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6635072

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 2.989

VS= 1.976

GS= 3.111

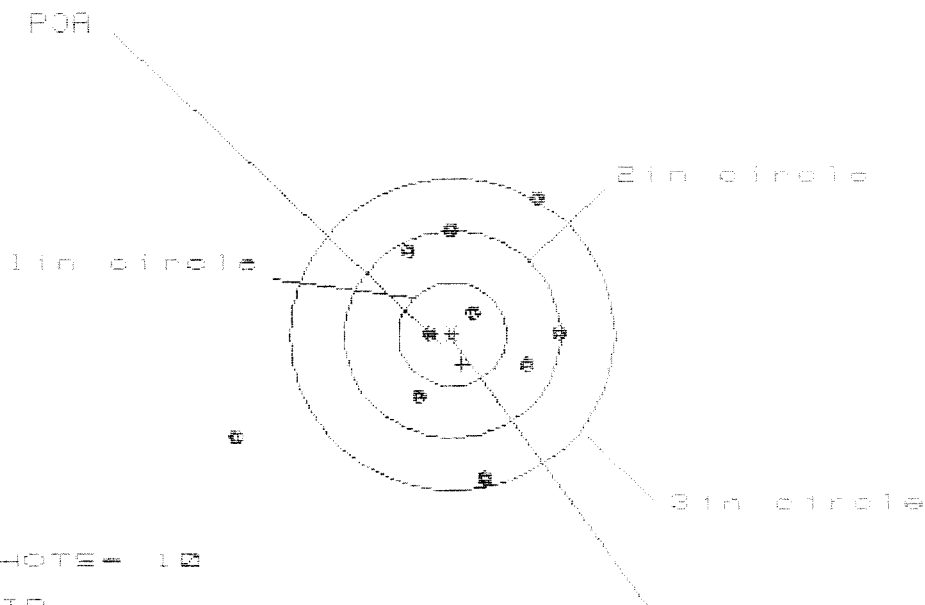
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.450	1.563	1.384
MINIMUM X	-1.539	-1.426	-1.011
MAXIMUM Y	.699	.557	.500
MINIMUM Y	-1.277	-1.268	-1.322
CENTROID X	-.029	-.142	.037
CENTROID Y	.068	.210	.264
POA TO CENTROID in.	.074	.253	.266
MIN RADIUS	.392	.381	.440
MEAN RADIUS	.975	.867	.787
MAX RADIUS	1.632	1.621	1.435
HORIZONTAL SPREAD	2.989	2.989	2.195
VERTICAL SPREAD	1.976	1.825	1.825
EXTREME SPREAD	3.111	3.111	2.204
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		

21 May 1931

FILE:/PATTERNING/CENTERFIRE_PATT/C863B072

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 2

HS= 2.927

VS= 2.612

GS= 3.556

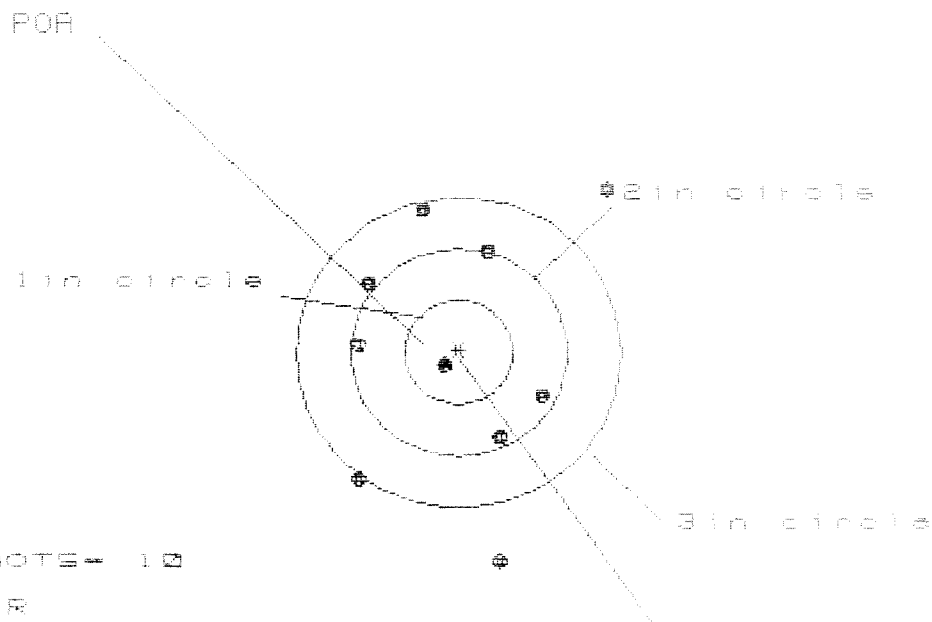
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.960	.741	.813
MINIMUM X	:	-1.967	-.610	-.538
MAXIMUM Y	:	1.262	1.153	1.054
MINIMUM Y	:	-1.350	-1.459	-1.315
CENTROID X	:	-.088	.131	.059
CENTROID Y	:	.288	.397	.253
POA TO CENTROID in.	:	.381	.418	.260
MIN RADIUS	:	.224	.100	.208
MEAN RADIUS	:	.984	.826	.764
MAX RADIUS	:	2.199	1.460	1.321
HORIZONTAL SPREAD	:	2.927	1.351	1.351
VERTICAL SPREAD	:	2.612	2.612	2.369
EXTREME SPREAD	:	3.556	2.662	2.388
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

21 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/086350072

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS= 3.287

VS= 3.577

GS= 3.688

CENTROID #

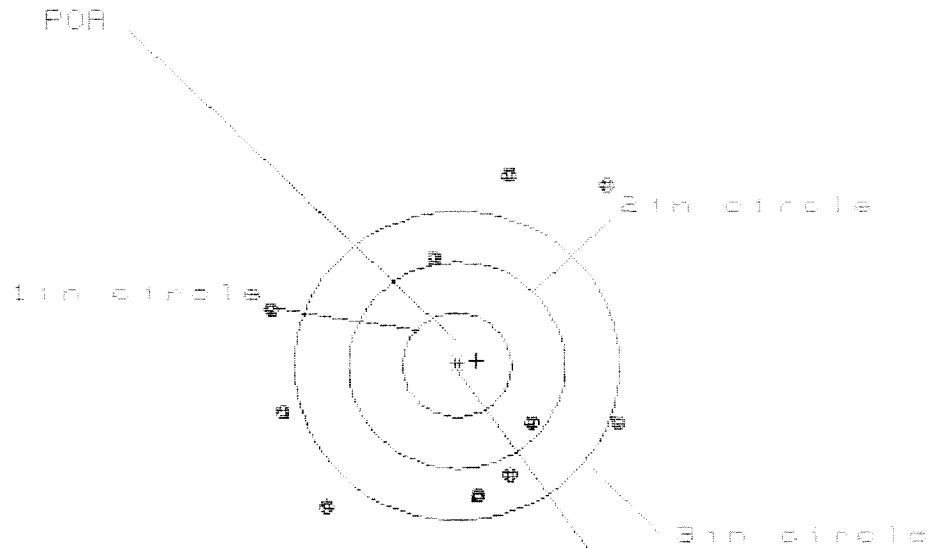
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.341	.893	.962
MINIMUM X	:	-.956	-.807	-.738
MAXIMUM Y	:	1.604	1.527	1.303
MINIMUM Y	:	-1.973	-1.795	-1.287
CENTROID X	:	.133	-.016	-.085
CENTROID Y	:	.118	-.060	.164
POR TO CENTROID in.	:	.178	.062	.185
MIN RADIUS	:	.234	.021	.218
MEAN RADIUS	:	1.201	1.068	.965
MAX RADIUS	:	2.090	1.877	1.483
HORIZONTAL SPREAD	:	2.297	1.700	1.700
VERTICAL SPREAD	:	3.577	3.322	2.569
EXTREME SPREAD	:	3.688	3.394	2.673
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

21 May 1981

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 1

3 in = 4

HS = 3.195

VS = 3.223

ES = 4.103

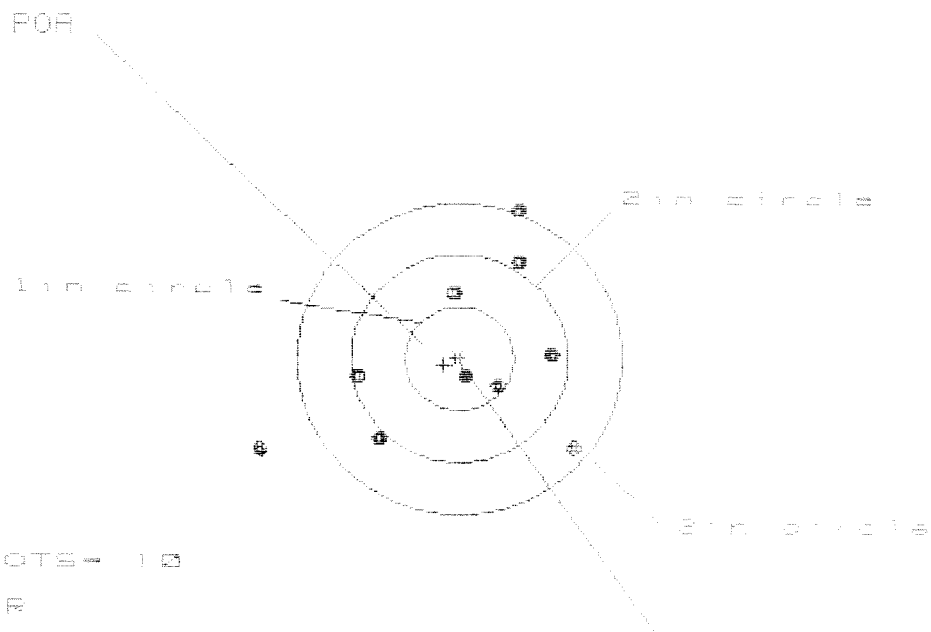
CENTROID +

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.468	1.620	1.762
MINIMUM X	:	-1.727	-1.575	-1.493
MAXIMUM Y	:	1.839	2.036	1.465
MINIMUM Y	:	-1.384	-1.187	-0.932
CENTROID X	:	-0.184	-0.336	-0.418
CENTROID Y	:	-0.043	-0.240	-0.495
FOR TO CENTROID in.	:	0.189	0.413	0.649
MIN RADIUS	:	0.890	0.928	0.978
MEAN RADIUS	:	1.532	1.429	1.304
MAX RADIUS	:	2.241	2.140	1.796
HORIZONTAL SPREAD	:	3.195	3.195	3.195
VERTICAL SPREAD	:	3.223	3.223	3.397
EXTREME SPREAD	:	4.103	3.671	3.378
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		1	
NUMBER IN THREE INCH CIRCLE	=		4	

21 May 1981

FILE:/PATTERNING/CENTERFIRE_PATT/C6635001

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.890

VS= 3.390

GS= 3.390

CENTROID +

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.067	.860	.904
MINIMUM X	:	-1.863	-1.105	-1.051
MAXIMUM Y	:	1.487	1.387	.999
MINIMUM Y	:	-1.903	-1.003	-.810
CENTROID X	:	.144	.351	.307
CENTROID Y	:	.061	.161	-.012
POA TO CENTROID in.	:	.156	.386	.307
MIN RADIUS	:	.152	.260	.098
MEAN RADIUS	:	1.017	.879	.785
MAX RADIUS	:	2.069	1.430	1.227
HORIZONTAL SPREAD	:	2.930	1.965	1.965
VERTICAL SPREAD	:	2.390	2.390	1.928
EXTREME SPREAD	:	3.390	3.555	2.096
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	