

C6649268

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smith

Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

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

SERIAL NO.
 C6649268

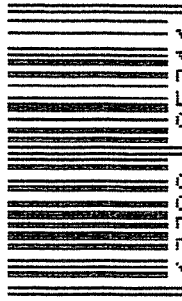
ORDER NO.
5716

20



5716 C6649268

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649268

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 27 9 1		RW
600	Proof	6 27 9 1		RW
607	Check Headspace	6 27 9 1		RW
610	Dis-assemble Gun	6 27 9 1		RW
612	Magnaflux Barrel Action		1 JUL 2 1991	KR
	Magnaflux Bolt		1 JUL 2 1991	KR
615	Rollmark Caliber		1 JUL 2 1991	JS
617	Drill and Tap Sight Holes		1 JUL 2 1991	KB
618	Polish Barrel		JUL 1 7 1991	wb
620	Apply Coatings (Barrel Action)		7-22-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/23/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/23/91	RW
	C) Inspect Ejector Hole for Chamfer		7/23/91	RW
	D) Oil Firing Pin Ass'y		7/23/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		7-25-91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	5			7-25-91	DH
	G) Safety Off Force	4	4	3 1/4			7-25-91	DH
	H) Trigger Pull Test & Retainability						7-26-91	JH
	I) Firing Pin Indent	.020	.020	.020			7-25-91	DH
	J) Assemble Stock						7/26/91	Rev
	K) Assemble Swivel Studs						7/26/91	AC
	L) Attach Front and Rear Sight Assemblies						7/26/91	Rev
	M) Iron Sight Alignment						7/26/91	Rev
	N) Detach Front & Rear Sights & place in numbered container						7/26/91	Rev
	O) Attach Scope to Rifle						7/26/91	Rev
	P) Detach & Attach Scope 20 Times						7/26/91	Rev
640	Gallery Target & Test						7/29/91	AF
	A) Time							AF
	B) Malfunctions							AF
	C) Pierced Primers							AF
	D) Optical Clarity of Scope							AF
645	Inspect for Live Ammo						7/29/91	AF
655	Final Inspection							
	A) Headspace						8-6-91	AC
	B) Trigger Pull	2.28	2.20	2.25	2.24	2.18	8-5-91	JH
	C) Function						8-6-91	AC
660	Pack						9-17-91	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C 6649268

DATE 7-25-91

TESTER JY

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.55	2.34	2.30	2.28	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.28	2.38	2.20	
PULL #3	2.39	2.37	2.40	2.25	
PULL #4	2.38	2.28	2.44	2.29	
PULL #5	2.35	2.34	2.20	2.18	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.46	3.43		
PULL #2	3.28	3.44		
PULL #3	3.37	3.43		
PULL #4	3.32	3.51		
PULL #5	3.32	3.50		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.42	4.40		4.50
PULL #2	4.41	4.43		4.40
PULL #3	4.33	4.39		4.48
PULL #4	4.39	4.36		4.30
PULL #5	4.19	4.43		4.33
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649268
29 Jul 1991

CENTROIDAL DISTANCES

0 TO	1	.218689
1 TO	2	.233311
1 TO	3	.199424
1 TO	4	.0537122
1 TO	5	.720347

5 34 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0154
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.015
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0214979
THE AMR FOR THIS RIFLE IS: .9176

29 Jul 1991

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CENTERFIRE PATTERNS

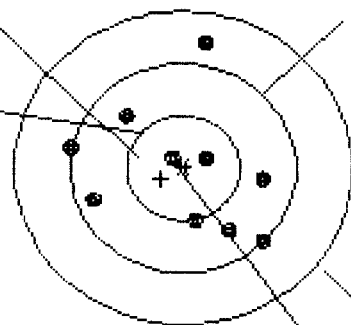
1

POA

1in circle

2in circle

3in circle



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.765

VS= 1.958

GS= 2.034

CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.745	.766	.862
MINIMUM X	:	-1.020	-.999	-.903
MAXIMUM Y	:	1.229	.612	.538
MINIMUM Y	:	-.729	-.592	-.492
CENTROID X	:	.196	.175	.079
CENTROID Y	:	.097	-.040	.034
POA TO CENTROID in.	:	.218	.179	.086
MIN RADIUS	:	.141	.267	.200
MEAN RADIUS	:	.715	.657	.615
MAX RADIUS	:	1.244	1.049	.937
HORIZONTAL SPREAD	:	1.765	1.765	1.765
VERTICAL SPREAD	:	1.958	1.204	1.030
EXTREME SPREAD	:	2.034	1.983	1.787
NUMBER IN ONE INCH CIRCLE =	:	3		
NUMBER IN TWO INCH CIRCLE =	:	7		
NUMBER IN THREE INCH CIRCLE =	:	10		

29 Jul 1991

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CENTERFIRE PATTERNS

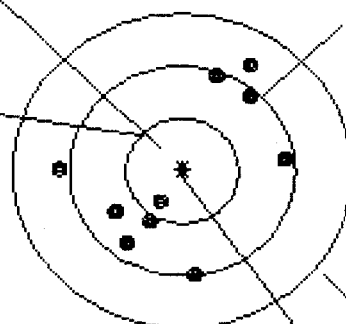
2

POA

1in circle

2in circle

3in circle



OF SHOTS- 10

IN CIR

1in - 1

2in - 6

3in - 10

HS- 2.026

VS- 1.994

GS- 2.046

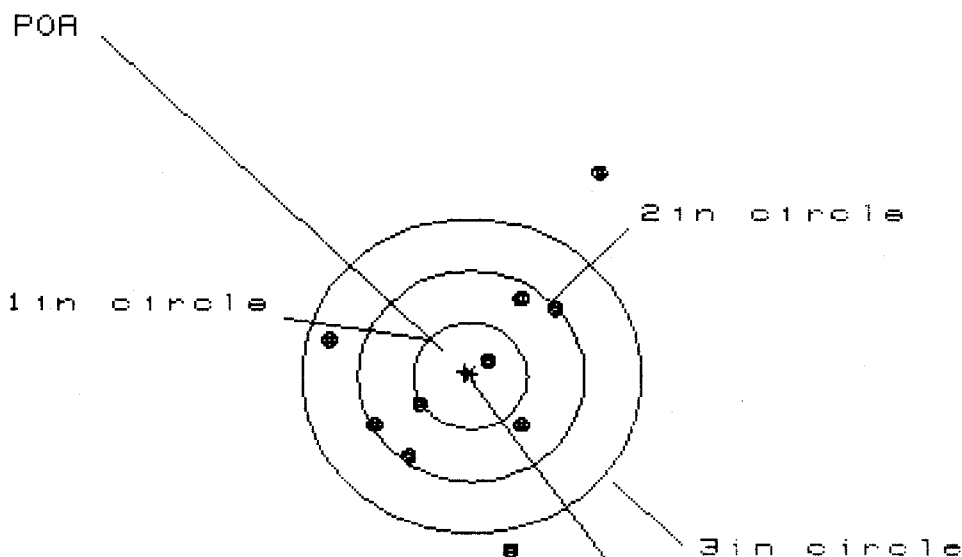
CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.954	1.020	.895
MINIMUM X	:	-1.072	-1.006	-.652
MAXIMUM Y	:	.995	1.074	1.092
MINIMUM Y	:	-.999	-.888	-.870
CENTROID X	:	-.007	-.073	.052
CENTROID Y	:	-.018	-.129	-.147
POA TO CENTROID in.	:	.019	.148	.156
MIN RADIUS	:	.347	.219	.307
MEAN RADIUS	:	.855	.786	.769
MAX RADIUS	:	1.162	1.131	1.116
HORIZONTAL SPREAD	:	2.026	2.026	1.547
VERTICAL SPREAD	:	1.994	1.962	1.962
EXTREME SPREAD	:	2.046	2.027	1.967
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

29 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649268

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in - 1

2in - 6

3in = 8

HS= 2.355

VS= 3.557

GS= 3.645

CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.108	.854	.908
MINIMUM X	:	-1.247	-1.124	-1.070
MAXIMUM Y	:	1.892	.928	.746
MINIMUM Y	:	-1.665	-1.454	-.778
CENTROID X	:	.053	-.070	-.124
CENTROID Y	:	-.042	-.253	-.071
POA TO CENTROID in.:	:	.068	.262	.143
MIN RADIUS	:	.204	.324	.349
MEAN RADIUS	:	1.032	.886	.796
MAX RADIUS	:	2.193	1.519	1.117
HORIZONTAL SPREAD	:	2.355	1.978	1.978
VERTICAL SPREAD	:	3.557	2.382	1.524
EXTREME SPREAD	:	3.645	2.503	2.002
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	8		

29 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649268

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in - 2

2in - 8

3in = 10

HS- 1.837

VS= 1.757

GS= 2.508

CENTROID *

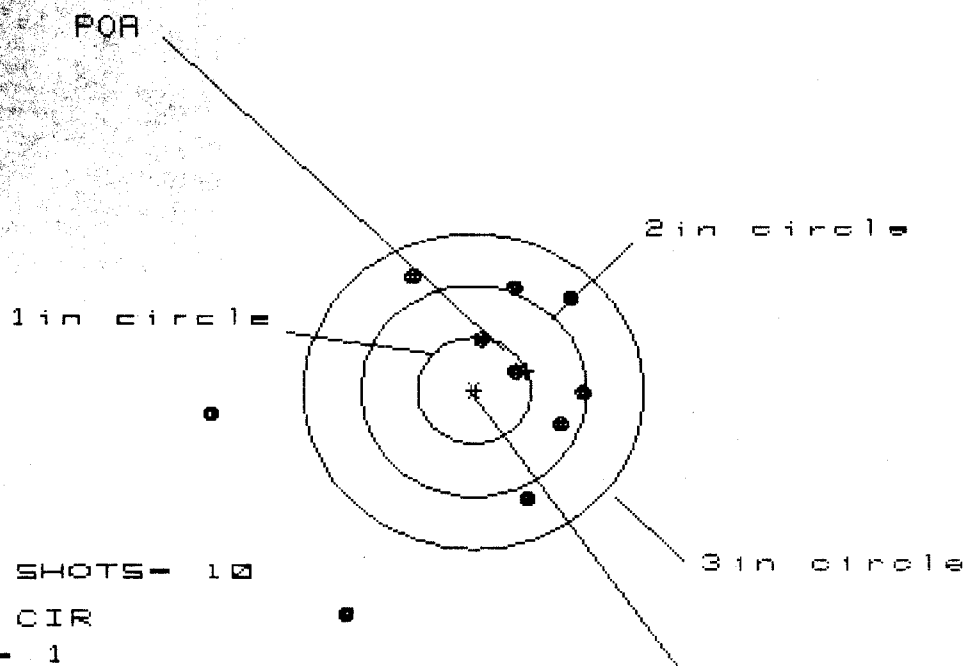
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.880	.814	.787
MINIMUM X	:	-.957	-.859	-.793
MAXIMUM Y	:	.655	.532	.593
MINIMUM Y	:	-1.102	-.912	-.851
CENTROID X	:	.147	.049	.156
CENTROID Y	:	.075	.198	.137
POA TO CENTROID in.	:	.165	.204	.208
MIN RADIUS	:	.221	.070	.193
MEAN RADIUS	:	.781	.667	.647
MAX RADIUS	:	1.411	1.078	.971
HORIZONTAL SPREAD	:	1.837	1.673	1.500
VERTICAL SPREAD	:	1.757	1.444	1.444
EXTREME SPREAD	:	2.508	2.001	1.660
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

28 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649268

CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 3

3 in - 8

HS- 3.310

VS- 3.129

GS- 3.537

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.015	.894	.592
MINIMUM X	:	-2.295	-2.416	-.978
MAXIMUM Y	:	1.058	.828	.767
MINIMUM Y	:	-2.071	-1.219	-1.280
CENTROID X	:	-.466	-.345	-.043
CENTROID Y	:	-.187	.043	.104
POA TO CENTROID in.	:	.502	.347	.112
MIN RADIUS	:	.436	.290	.143
MEAN RADIUS	:	1.205	.997	.740
MAX RADIUS	:	2.341	2.465	1.280
HORIZONTAL SPREAD	:	3.310	3.310	1.570
VERTICAL SPREAD	:	3.129	2.047	2.047
EXTREME SPREAD	:	3.537	3.389	2.266
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	8		