

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™ M24

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

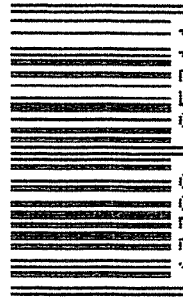
ORDER NO.
5716

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		AW
600	Proof	6 27 9 1		AW
607	Check Headspace	6 27 9 1		AW
610	Dis-assemble Gun	6 27 9 1		AW
612	Magnaflux Barrel Action		1 JUL 2 1991	KR
	Magnaflux Bolt		1 JUL 2 1991	KR
615	Rollmark Caliber		1 JUL 2 1991	GS
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	JH

BARBER - M24 0067137

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

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

FILE:/PATTERNING/CENTERFIRE_PATT/C8649268

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	

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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		

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CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in - 1

2in - 6

3in - 8

HS= 2.355

VS= 3.557

GS= 3.645

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		

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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 *

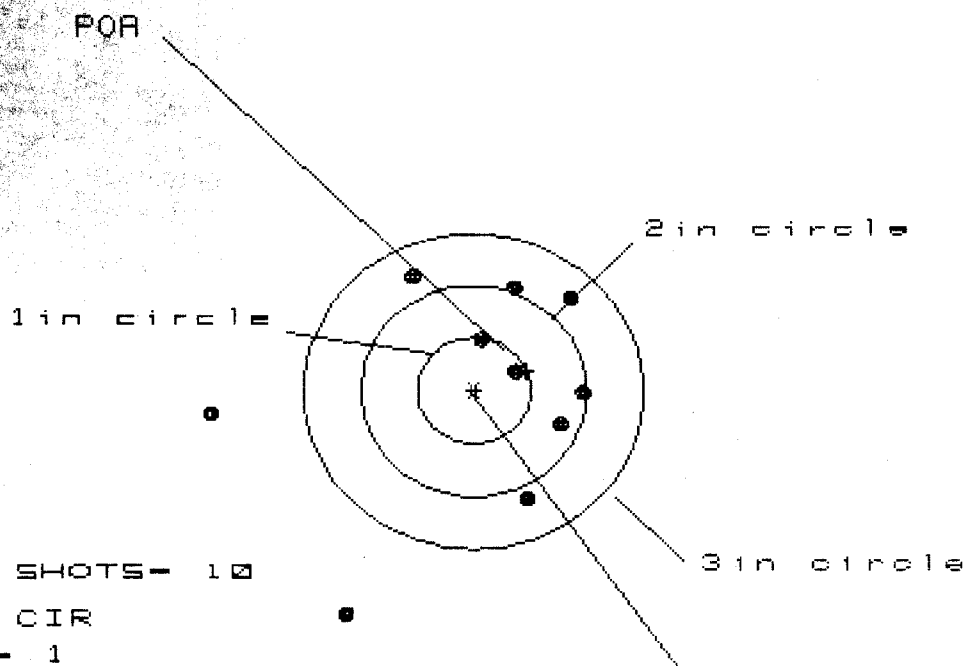
PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.880	.814	.787
MINIMUM X	:	-.957	-.859	-.793
MAXIMUM Y	:	.655	.532	.593
MINIMUM Y	:	-1.102	-.912	-.851
CENTROID X	:	.147	.049	.156
CENTROID Y	:	.075	.198	.137
POA TO CENTROID in.	:	.165	.204	.208
MIN RADIUS	:	.221	.070	.193
MEAN RADIUS	:	.781	.667	.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		

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CENTERFIRE PATTERNS

5



HS= 3.310

VS= 3.129

GS= 3.537

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