

06649149

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

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

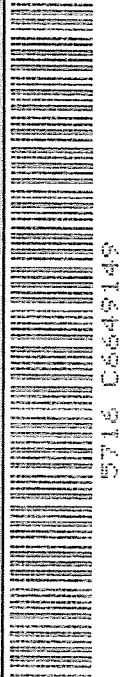
MODEL 700[™] M24

SERIAL NO.
C6649149

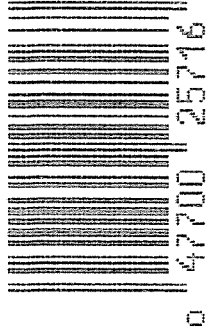
ORDER NO.
5716

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

20



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6649149

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/25/91	KA
600	Proof		6/25/91	KA
607	Check Headspace		6/25/91	KA
610	Dis-assemble Gun		6/25/91	KA
612	Magnaflux Barrel Action		JUL 1 1991	KR
	Magnaflux Bolt		JUL 1 1991	KR
615	Rollmark Caliber		JUL 1 1991	SS.
617	Drill and Tap Sight Holes		JUL 1 1991	LB
618	Polish Barrel		JUL 2 1991	WB
620	Apply Coatings (Barrel Action)		7-23-91	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/1/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/1/91	KA
	C) Inspect Ejector Hole for Chamfer		8/1/91	KA
	D) Oil Firing Pin Ass'y		8/1/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		8-2-91	KA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			8-2-91	JP
	G) Safety Off Force	4	4	4			8-2-91	JP
	H) Trigger Pull Test & Retainability						8-2-91	JP
	I) Firing Pin Indent	10215	10215	10215			8-2-91	JP
	J) Assemble Stock						8/7/91	KS
	K) Assemble Swivel Studs						8-12-91	D/H
	L) Attach Front and Rear Sight Assemblies						8/7/91	KS
	M) Iron Sight Alignment						8/7/91	KS
	N) Detach Front & Rear Sights & place in numbered container						8/7/91	KS
	O) Attach Scope to Rifle						8/7/91	KS
	P) Detach & Attach Scope 20 Times						8/7/91	KS
640	Gallery Target & Test						8-8-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						8-8-91	NF
655	Final Inspection							
	A) Headspace						8-12-91	D/H
	B) Trigger Pull	2.56	2.52	2.47	2.46	2.43	8-4-91	JP
	C) Function						8-12-91	D/H
660	Pack						9-19-91	NF

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

SERIAL NO. C6649149DATE 8-2-91TESTER JM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.50	2.39	2.56	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.50	2.50	2.52	
PULL #3	2.37	2.49	2.49	2.47	
PULL #4	2.43	2.48	2.51	2.46	
PULL #5	2.51	2.31	2.55	2.43	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.20		
PULL #2	3.35	3.29		
PULL #3	3.34	3.21		
PULL #4	3.35	3.36		
PULL #5	3.31	3.34		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.33		4.37
PULL #2	4.32	4.33		4.38
PULL #3	4.20	4.24		4.42
PULL #4	4.37	4.34		4.39
PULL #5	4.31	4.41		4.39
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649149
Aug 1991

CENTROIDAL DISTANCES

0 TO 1	.448627
1 TO 2	.209659
1 TO 3	.72999
1 TO 4	.378272
1 TO 5	.23971

4
3
2
1
0
←----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .086
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .179
THE CALCULATED AVERAGE POI RADIUS FOR THIS RIFLE IS: .198580
THE POI OF THIS RIFLE IS: 1.015

6 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649149

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in - 1

2in - 8

3in - 9

HS = 2.303

VS = 1.610

GS = 2.810

PATTERN #

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID DIST

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE =

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

1

9

8

1.413

.987

.896

-.890

-.733

-.709

1.064

.908

.854

-.546

-.427

-.424

.329

.172

.263

.305

.186

.240

.448

.253

.356

.238

.049

.146

.800

.630

.623

1.769

1.013

1.938

2.303

1.720

1.605

1.610

1.335

1.278

2.810

1.738

1.607

1

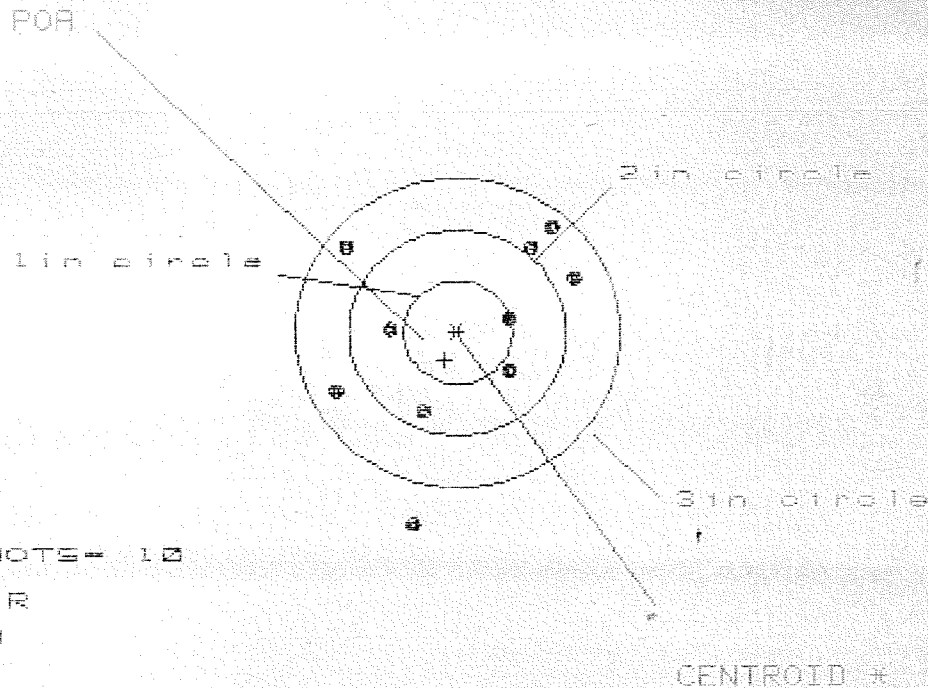
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8 Aug 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 4

3 in = 9

HS = 2.122

VS = 2.917

GS = 3.201

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.035

.983

1.083

MINIMUM X

-1.087

-1.139

-1.039

MAXIMUM Y

1.075

.820

.758

MINIMUM Y

-1.043

-.922

-.814

CENTROID X

.123

.175

.075

CENTROID Y

.266

.471

.362

POA TO CENTROID in.

.293

.503

.370

MIN RADIUS

.545

.469

.569

MEAN RADIUS

1.059

.954

.918

MAX RADIUS

1.901

1.376

1.233

HORIZONTAL SPREAD

2.122

2.122

2.122

VERTICAL SPREAD

2.917

1.792

1.572

EXTREME SPREAD

3.201

2.541

2.414

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

4

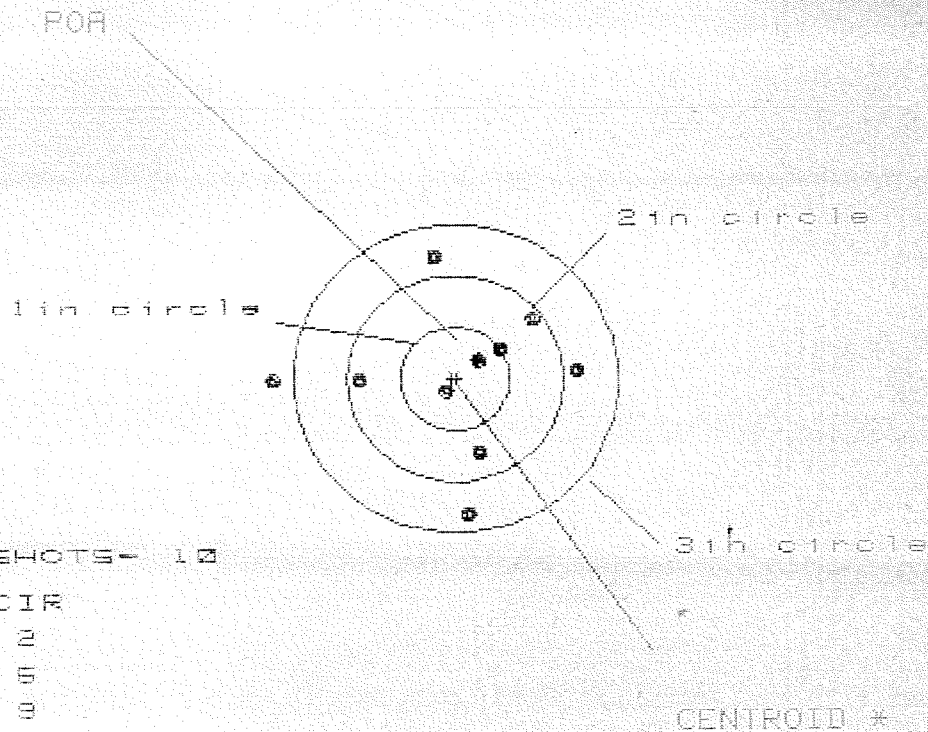
NUMBER IN THREE INCH CIRCLE =

9

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in - 2

2in - 5

3in - 9

HS= 2.796

VS= 2.401

GS= 2.798

PATTERN # 3

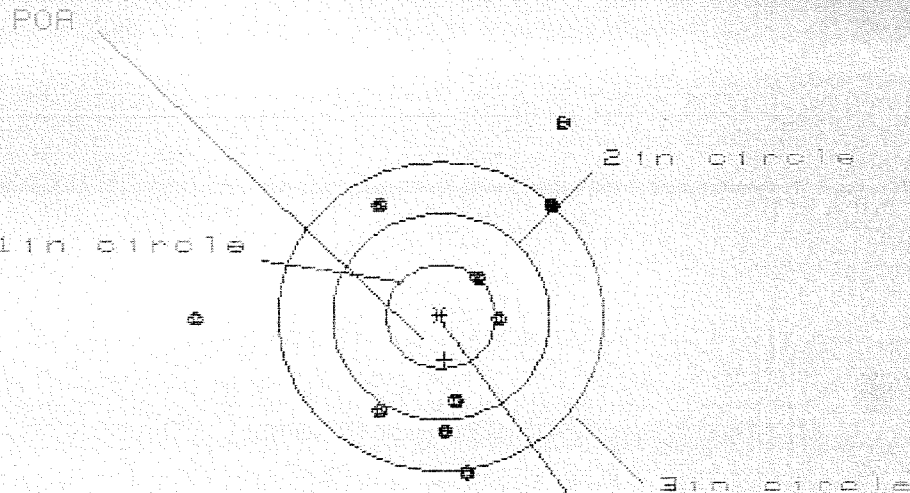
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SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.127	.941	.935
MINIMUM X	-1.669	-1.029	-1.034
MAXIMUM Y	1.135	1.129	.970
MINIMUM Y	-1.266	-1.272	-.928
CENTROID X	-.213	-.027	-.021
CENTROID Y	-.184	-.178	-.019
POA TO CENTROID in.	.282	.180	.029
MIN RADIUS	.160	.170	.014
MEAN RADIUS	.871	.760	.665
MAX RADIUS	1.670	1.273	1.052
HORIZONTAL SPREAD	2.796	1.970	1.970
VERTICAL SPREAD	2.401	2.401	1.898
EXTREME SPREAD	2.798	2.426	1.972
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

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CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS = 3.387

VS = 3.415

GS = 3.875

PATTERN #

4

SHOTS (BEST OF)

	10	9	8
MAXIMUM X	1.114	.862	.932
MINIMUM X	-2.273	-.856	-.748
MAXIMUM Y	1.889	1.890	1.356
MINIMUM Y	-1.526	-1.525	-1.289
CENTROID X	-.032	.220	.112
CENTROID Y	.418	.417	.181
POA TO CENTROID in.	.419	.472	.213
MIN RADIUS	.498	.248	.397
MEAN RADIUS	1.290	1.140	1.001
MAX RADIUS	2.273	2.077	1.645
HORIZONTAL SPREAD	3.387	1.718	1.680
VERTICAL SPREAD	3.415	3.415	2.645
EXTREME SPREAD	3.875	3.529	2.779
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		6	

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FILE:/PATTERNING/CENTERFIRE_PATT/06649149

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.032

VS= 3.306

GS= 3.352

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.722	.703	.611
MINIMUM X	-1.318	-1.329	-1.421
MAXIMUM Y	1.538	1.333	1.123
MINIMUM Y	-1.776	-1.361	-1.194
CENTROID X	.223	.242	.334
CENTROID Y	.098	.287	.128
POA TO CENTROID in.	.241	.375	.355
MIN RADIUS	.471	.388	.362
MEAN RADIUS	1.056	.959	.862
MAX RADIUS	1.783	1.523	1.471
HORIZONTAL SPREAD	2.032	2.032	2.032
VERTICAL SPREAD	3.306	2.694	2.317
EXTREME SPREAD	3.352	2.940	2.371
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 5		
NUMBER IN THREE INCH CIRCLE	= 8		