

C6611572

MODEL 700™ M24

Model **SMS**

Action _____™

Barrel Length _____

Capacity _____

Order No. **5715**

*Includes 1 in chamber.

Remington

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

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

MODEL 700TM M24

SERIAL NO. C6611572

ORDER NO. 5716

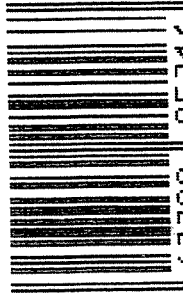
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6611572

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611572

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	2 1 91		RW
600	Proof	2 1 91		RW
607	Check Headspace	2 1 91		RW
610	Dis-assemble Gun	2 1 91		RW
612	Magnaflux Barrel Action	2 11 91		WCB
	Magnaflux Bolt	2 11 91		WCB
615	Rollmark Caliber	2 11 91		CS
617	Drill and Tap Sight Holes	2 13 91		WB
618	Polish Barrel <i>BBB</i>	2 13 91		WB
620	Apply Coatings (Barrel Action)			<i>WB</i>
	Apply Coating (Bolt)			<i>WB</i>
625	Final Assembly			
	A) Clean inside of Bolt Assembly		3/24/91	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		3/24/91	WB
	C) Inspect Ejector Hole for Chamfer		3/24/91	WB
	D) Oil Firing Pin Ass'y		3/24/91	WB
	E) Adjust Trigger Pull to Min Setting and Stake		4/9/91	<i>WB</i>

op. #	NAME	READINGS	DATE	INIT
625 cont.	F) Safety On Force	4 1/2 5 5	4-10-91	D/H
	G) Safety Off Force	3 3 3	4-10-91	D/H
	H) Trigger Pull Test & Retainability		4/9/91	JH
	I) Firing Pin Indent	.021 .021 .021	4-10-91	D/H
	J) Assemble Stock		4/11/91	RW
	K) Assemble Swivel Studs		4-22-91	AC
	L) Attach Front and Rear Sight Assemblies		4/11/91	RW
	M) Iron Sight Alignment		4/11/91	RW
	N) Detach Front & Rear Sights & place in numbered container		4/11/91	RW
	O) Attach Scope to Rifle		4/11/91	RW
	P) Detach & Attach Scope 20 Times		4/11/91	RW
640	Gallery Target & Test		4/11/91	KJ
	A) Time			12
	B) Malfunctions			12
	C) Pierced Primers			12
	D) Optical Clarity of Scope			12
645	Inspect for Live Ammo		4/11/91	12
655	Final Inspection			
	A) Headspace		4-22-91	K
	B) Trigger Pull	2.25 2.17 2.19 2.18 2.22	4/16/91	JH
	C) Function		4-22-91	K
660	Pack		6-18-91	RF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO

C6611572

DATE

4/9/91

TESTER

JAP.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.50	2.27	2.25	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.17	2.41	2.17	
PULL #3	2.30	2.32	2.47	2.19	
PULL #4	2.46	2.47	2.55	2.18	
PULL #5	2.39	2.51	2.54	2.22	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.55	3.31		
PULL #2	3.20	3.31		
PULL #3	3.32	3.28		
PULL #4	3.26	3.38		
PULL #5	3.29	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	4.25	4.39		4.23
PULL #2	4.42	4.49		4.51
PULL #3	4.48	4.50		4.52
PULL #4	4.38	4.47		4.53
PULL #5	4.40	4.49		4.55
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06611572
11 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.267262
1 TO	2	.273766
1 TO	3	.346586
1 TO	4	.198324
1 TO	5	.356654

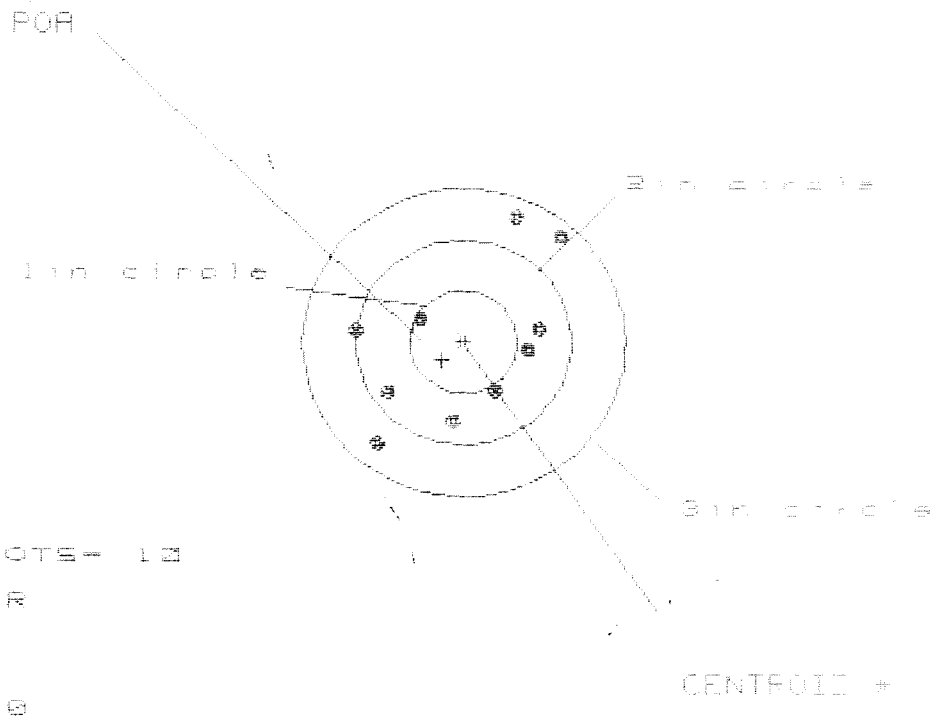
←---POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .063
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0104
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .063852
THE AWP FOR THIS RIFLE IS: .7652

01 Apr 1991

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CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS= 1.988

VS= 2.214

GS= 2.676

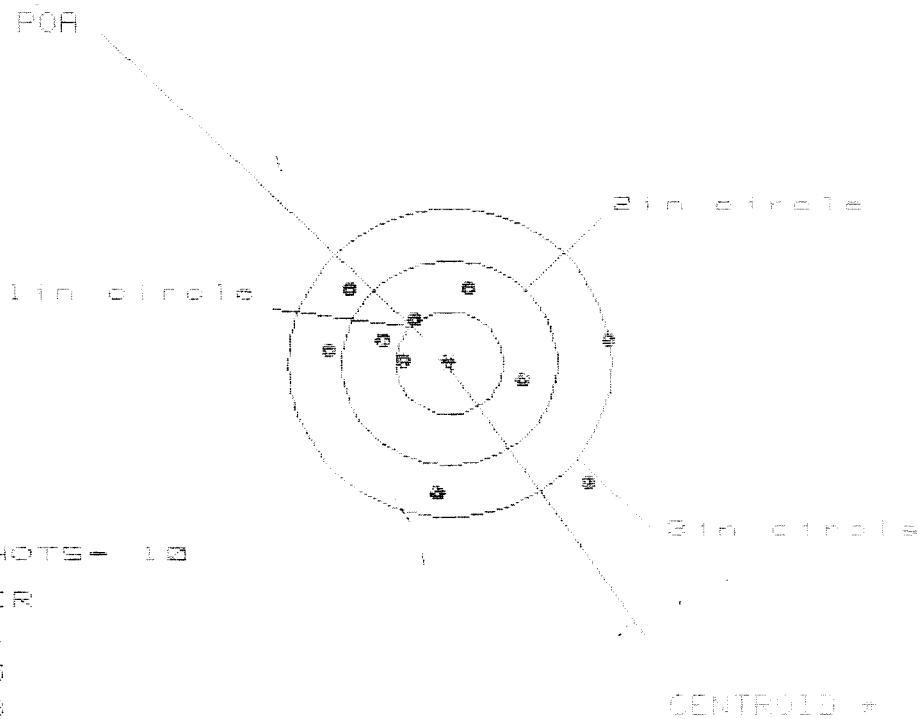
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.939	.856	.920
MINIMUM X	-1.049	-.945	-.875
MAXIMUM Y	1.217	1.329	.580
MINIMUM Y	-.997	-.885	-.718
CENTROID X	.282	.098	.028
CENTROID Y	.175	.063	-.104
POA TO CENTROID in.	.287	.116	.107
MIN RADIUS	.424	.422	.479
MEAN RADIUS	.904	.834	.737
MAX RADIUS	1.378	1.442	1.613
HORIZONTAL SPREAD	1.988	1.795	1.795
VERTICAL SPREAD	2.214	2.214	1.220
EXTREME SPREAD	2.676	2.561	1.949
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 10		

11 Apr 1991

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CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.673

VS= 2.027

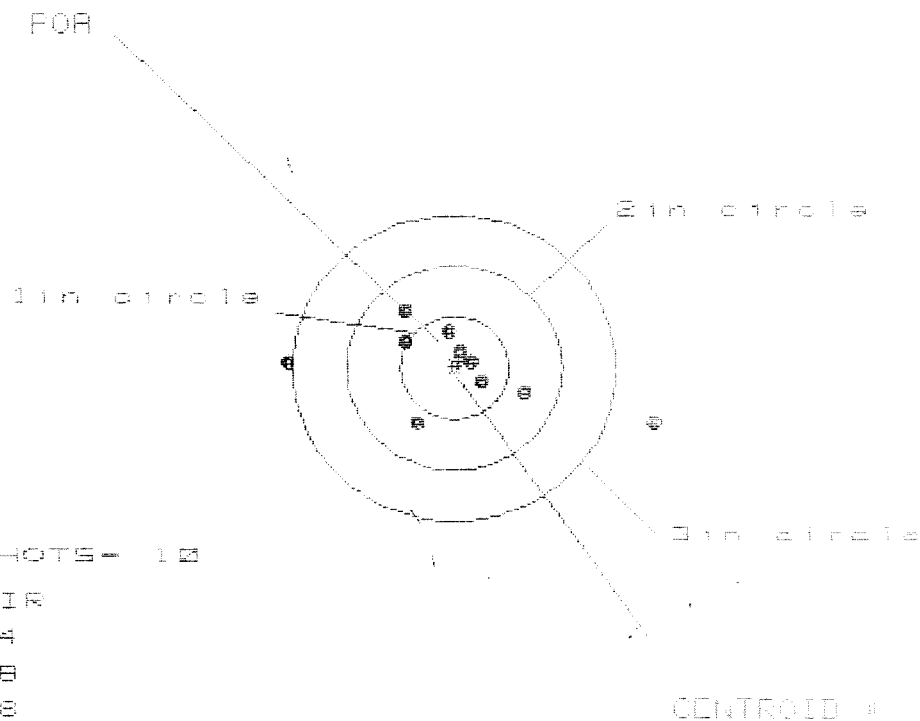
GS= 2.982

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.519	1.663	1.617
MINIMUM X	-1.154	-1.010	-1.802
MAXIMUM Y	.762	.630	.642
MINIMUM Y	-1.265	-1.397	-1.385
CENTROID X	.024	-.120	-.328
CENTROID Y	-.033	.099	.087
POA TO CENTROID in.	.040	.155	.339
MIN RADIUS	.402	.262	.072
MEAN RADIUS	1.003	.863	.702
MAX RADIUS	1.754	1.666	1.404
HORIZONTAL SPREAD	2.673	2.673	1.819
VERTICAL SPREAD	2.027	2.027	2.027
EXTREME SPREAD	2.982	2.674	2.196
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	8	

11 Apr 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 4

2in = 8

3in = 8

HS = 0.884

VS = 1.082

GS = 2.091

PATTERN #	1	3	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.807	.828	.662
MINIMUM X	-1.527	-1.326	-.461
MAXIMUM Y	.543	.482	.484
MINIMUM Y	-.549	-.579	-.577
CENTROID X	-.049	-.250	-.084
CENTROID Y	-.064	-.003	-.005
FOR TO CENTROID in.	.081	.250	.084
MIN RADIUS	.133	.217	.084
MEAN RADIUS	.694	.568	.432
MAX RADIUS	1.889	1.326	.724
HORIZONTAL SPREAD	3.334	2.154	1.123
VERTICAL SPREAD	1.090	1.061	1.061
EXTREME SPREAD	3.391	2.175	1.298
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		8	

11 Apr 1981

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CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID +

OF SHOTS = 10

IN CIR

1 in = 5

2 in = 5

3 in = 10

HS = 1.690

VS = 1.605

GS = 1.782

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.611

.491

.483

MINIMUM X

-1.079

-.469

-.483

MAXIMUM Y

.840

.860

.651

MINIMUM Y

-.765

-.745

-.687

CENTROID X

.145

.265

.323

CENTROID Y

-.016

-.036

-.144

POA TO CENTROID in.

.146

.267

.354

MIN RADIUS

.134

.167

.180

MEAN RADIUS

.594

.520

.446

MAX RADIUS

1.093

.979

.693

HORIZONTAL SPREAD

1.690

.960

.916

VERTICAL SPREAD

1.605

1.605

1.288

EXTREME SPREAD

1.782

1.722

1.290

NUMBER IN ONE INCH CIRCLE =

5

NUMBER IN TWO INCH CIRCLE =

9

NUMBER IN THREE INCH CIRCLE =

10

11 Apr 1991

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CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 9

3 in = 10

HS= 1.224

VS= 1.720

GS= 1.730

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.557	.531	.474
MINIMUM X	-.577	-.703	-.750
MAXIMUM Y	.613	.490	.363
MINIMUM Y	-1.107	-.764	-.783
CENTROID X	-.007	.019	.076
CENTROID Y	-.114	.009	-.052
POA TO CENTROID in.	.114	.021	.092
MIN RADIUS	.314	.303	.232
MEAN RADIUS	.631	.554	.532
MAX RADIUS	1.131	.789	.770
HORIZONTAL SPREAD	1.234	1.234	1.234
VERTICAL SPREAD	1.720	1.254	1.066
EXTREME SPREAD	1.730	1.415	1.347
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	