

SHIELD
III
SHIELD®

FORM

UPC



0 47700 25716 7

06665882

06665882

MODEL 700TM M24

ORDER NO.

5716

BARREL LENGTH

Remington



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

MODEL 700™ M24

SERIAL NO.

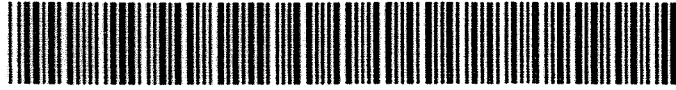
C6665882

ORDER NO.

5716

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

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5716 C6665882

ORDER 5716

MODEL 700™ M24

UPC



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ORDER 5716

MODEL 700™ M24

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GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

26665882

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		9/26/91	KA
600	Proof		9/26/91	KA
607	Check Headspace		9/26/91	KA
610	Dis-assemble Gun		9/26/91	KA
612	Magnaflux Barrel Action	OCT	4 1991	KCD
	Magnaflux Bolt	OCT	4 1991	KCD
615	Rollmark Caliber	OCT	4 1991	GS
617	Drill and Tap Sight Holes	OCT	4 1991	FB
618	Polish Barrel	OCT	4 1991	WOB
620	Apply Coatings (Barrel Action)		10-18-91	PA
	Apply Coating (Bolt)		10-18-91	PA
625	Final Assembly A) Clean inside of Bolt Assembly		11/1/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/1/91	KA
	C) Inspect Ejector Hole for Chamfer		11/1/91	KA
	D) Oil Firing Pin Ass'y		11/1/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		11-22-91	KA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	6	5			11-12-91	JH
	G) Safety Off Force	3	3	3			11-12-91	JH
	H) Trigger Pull Test & Retainability						11-12-91	JH
	I) Firing Pin Indent	.020	.020	.020			11-12-91	JH
	J) Assemble Stock						11/12/91	JH
	K) Assemble Swivel Studs						11-26-91	JH
	L) Attach Front and Rear Sight Assemblies						11/12/91	JH
	M) Iron Sight Alignment						11/12/91	JH
	N) Detach Front & Rear Sights & place in numbered container						11/12/91	JH
	O) Attach Scope to Rifle						11/12/91	JH
	P) Detach & Attach Scope 20 Times						11/12/91	JH
640	Gallery Target & Test						11/21/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						11/21/91	KT
655	Final Inspection							
	A) Headspace						11-26-91	JH
	B) Trigger Pull	263	258	262	263	268	11-22-91	DH
	C) Function						11-26-91	JH
660	Pack						12-18-91	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.6665 882

DATE 11-12-91

TESTER JG

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.44	2.50	2.63	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.32	2.49	2.58	
PULL #3	2.43	2.38	2.44	2.62	
PULL #4	2.48	2.49	2.42	2.63	
PULL #5	2.45	2.47	2.49	2.68	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.33		
PULL #2	3.42	3.37		
PULL #3	3.47	3.26		
PULL #4	3.50	3.46		
PULL #5	3.41	3.51		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.31	4.36		4.37
PULL #2	4.36	4.35		4.25
PULL #3	4.25	4.27		4.34
PULL #4	4.40	4.28		4.36
PULL #5	4.35	4.23		4.25
TOTAL				
AVG.				

DISTANCE CALCULATIONS
RIFLE # C6665882
NOV 1991

CENTROIDAL DISTANCES

0 TO	1	.106042
1 TO	2	.333242
1 TO	3	.0259615
1 TO	4	.19701
1 TO	5	.203423

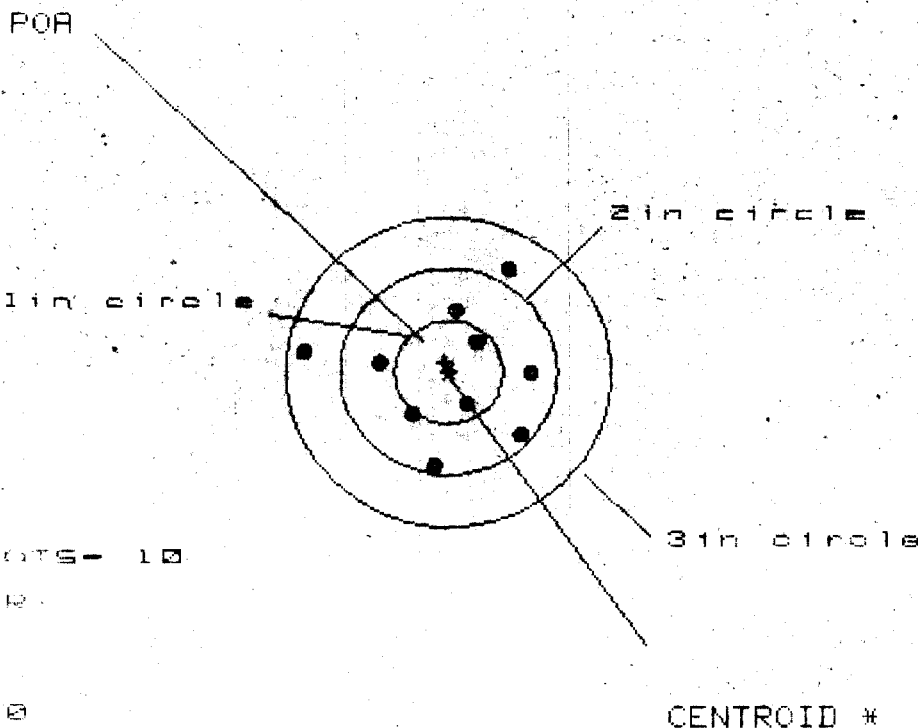
2
16 <----POA

134453

27 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C66658B2

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIRC

1in = 2

2in = 8

3in = 10

HS= 2.166

VS= 1.815

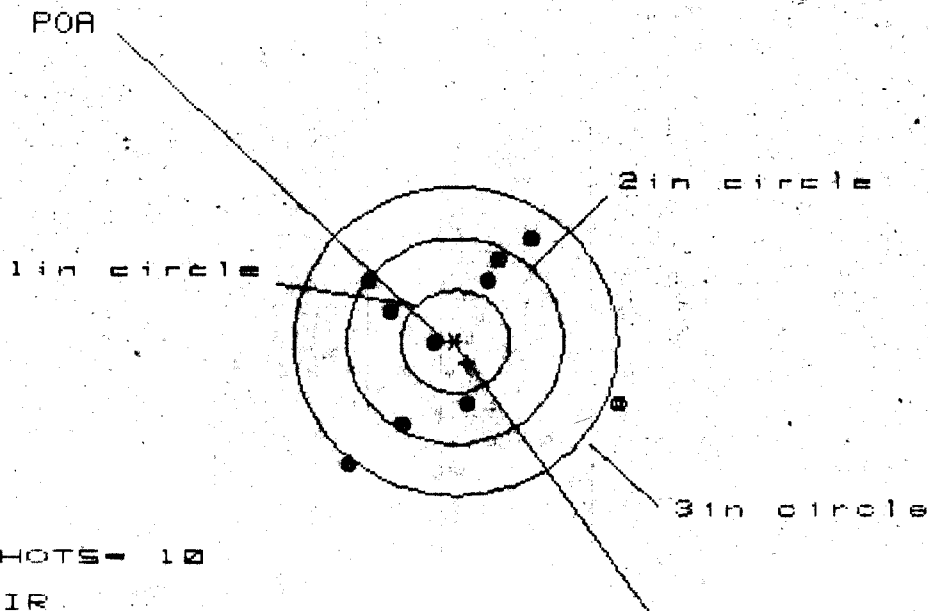
GS= 2.197

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MINIMUM X	:	.810	.657	.707
MINIMUM Y	:	-1.376	-.764	-.714
MAXIMUM X	:	.960	.982	.769
MAXIMUM Y	:	-.855	-.833	-.711
CENTROID X	:	.038	.191	.141
CENTROID Y	:	-.099	-.121	-.243
POA TO CENTROID in.	:	.106	.226	.281
1IN RADIUS	:	.375	.319	.204
MEAN RADIUS	:	.755	.679	.617
1IN RADIUS	:	1.390	1.060	.771
HORIZONTAL SPREAD	:	2.156	1.421	1.421
VERTICAL SPREAD	:	1.815	1.815	1.480
EXTREME SPREAD	:	2.156	1.859	1.499
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			10	

22 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C68636B2

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 8

HS= 2.480

VS= 2.185

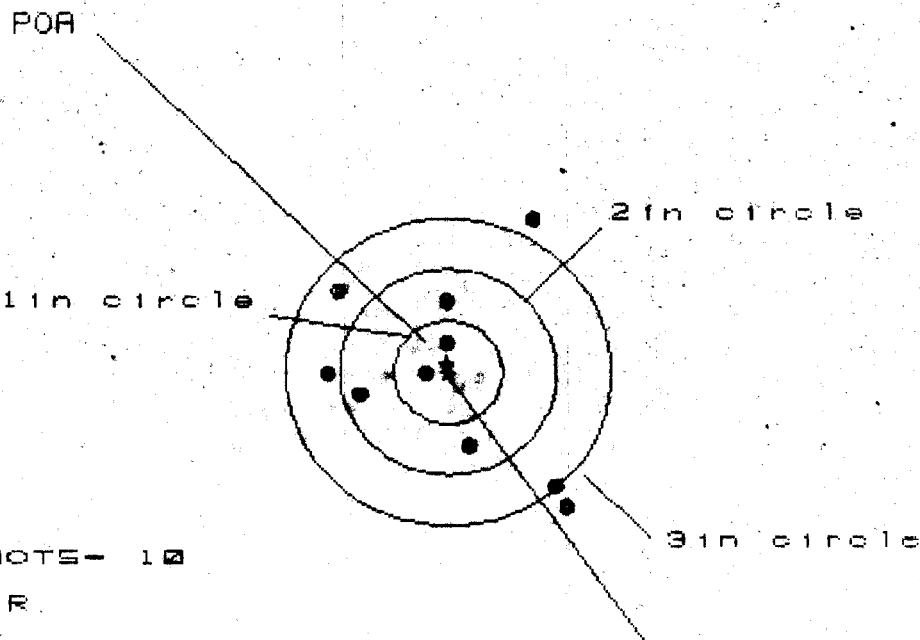
GS= 2.773

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.524	.921	.823
MINIMUM X	:	-.956	-.787	-.700
MAXIMUM Y	:	.956	.889	.727
MINIMUM Y	:	-1.229	-1.296	-1.049
CENTROID X	:	-.105	-.274	-.176
CENTROID Y	:	.202	.269	.431
POA TO CENTROID in.	:	.228	.384	.465
MIN RADIUS	:	.219	.107	.296
MEAN RADIUS	:	.944	.837	.750
MAX RADIUS	:	1.639	1.516	1.115
HORIZONTAL SPREAD	:	2.480	1.708	1.523
VERTICAL SPREAD	:	2.185	2.185	1.776
EXTREME SPREAD	:	2.773	2.773	2.143
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

22 Nov 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR.

1in = 2

2in = 5

3in = 8

HS= 2.207

VS= 2.791

GS= 3.002

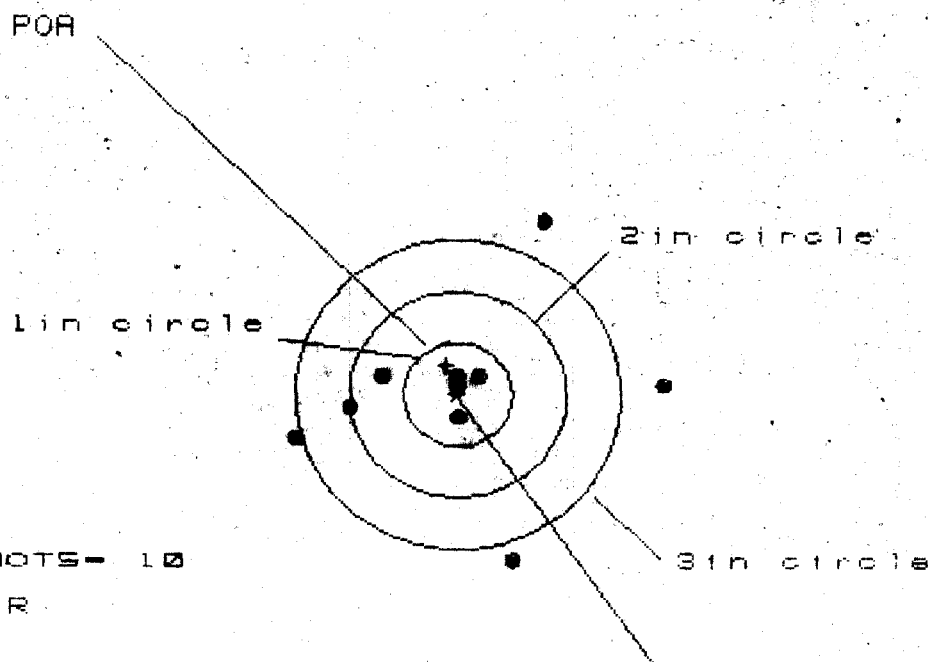
CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.119	1.111	1.224
MINIMUM X	:	-1.088	-.964	-.851
MAXIMUM Y	:	1.469	1.322	.792
MINIMUM Y	:	-1.322	-1.241	-1.076
CENTROID X	:	.013	-.111	-.224
CENTROID Y	:	-.092	.055	-.110
POA TO CENTROID in.	:	.093	.124	.249
MIN RADIUS	:	.210	.157	.043
MEAN RADIUS	:	.994	.876	.770
MAX RADIUS	:	1.732	1.666	1.629
HORIZONTAL SPREAD	:	2.207	2.075	2.075
VERTICAL SPREAD	:	2.791	2.563	1.868
EXTREME SPREAD	:	3.002	2.749	2.749
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	8		

22 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C88858B2

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 4

2in = 5

3in = 6

HS= 3.367

VS= 3.338

GS= 3.406

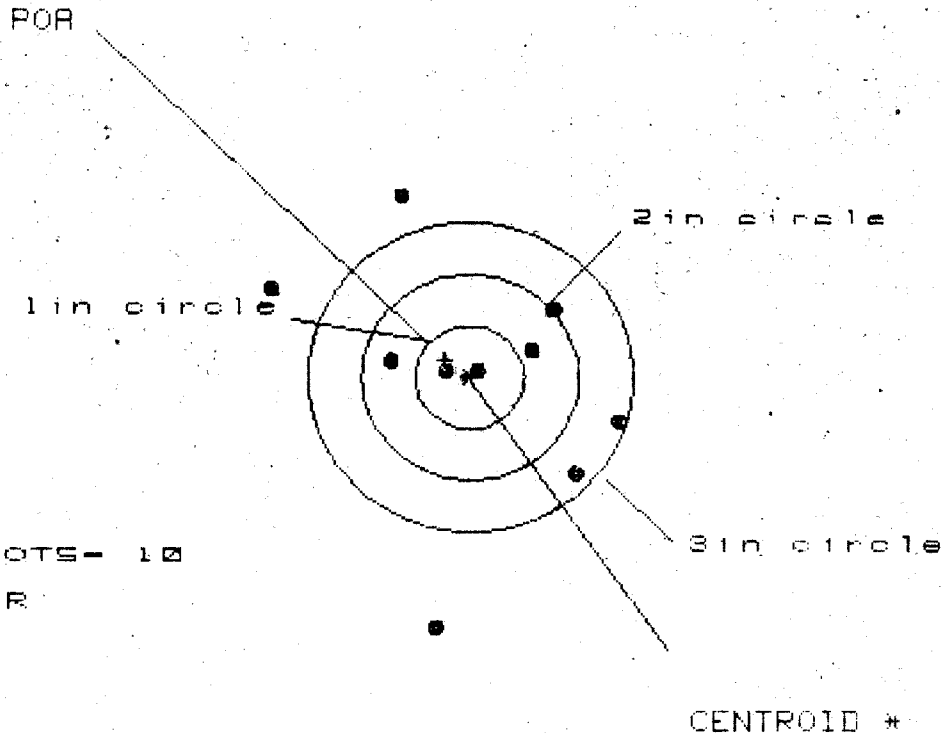
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.869	.965	.805
MINIMUM X	:	-1.498	-1.290	-1.170
MAXIMUM Y	:	1.689	1.699	.426
MINIMUM Y	:	-1.649	-1.639	-1.427
CENTROID X	:	.100	-.108	-.223
CENTROID Y	:	-.286	-.296	-.508
POA TO CENTROID in.	:	.303	.315	.557
MIN RADIUS	:	.097	.221	.326
MEAN RADIUS	:	.955	.854	.754
MAX RADIUS	:	1.871	1.953	1.638
HORIZONTAL SPREAD	:	3.367	2.255	1.975
VERTICAL SPREAD	:	3.338	3.338	1.853
EXTREME SPREAD	:	3.406	3.350	2.322
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		6	

22 Nov 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 2

2in = 4

3in = 7

HS = 3.131

VS = 4.202

GS = 4.218

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.341	1.310	1.082
MINIMUM X	:	-1.790	-1.821	-1.028
MAXIMUM Y	:	1.796	1.529	1.599
MINIMUM Y	:	-2.405	-1.211	-1.141
CENTROID X	:	.229	.260	.488
CENTROID Y	:	-.169	.098	.028
POA TO CENTROID in.	:	.285	.278	.489
MIN RADIUS	:	.035	.192	.236
MEAN RADIUS	:	1.191	1.047	.916
MAX RADIUS	:	2.422	1.905	1.838
HORIZONTAL SPREAD	:	3.131	2.131	2.110
VERTICAL SPREAD	:	4.202	2.740	2.740
EXTREME SPREAD	:	4.218	3.385	3.189
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			7	