

Smith

FORM

UPC



0 47700 25716 7

06665979

*INCLUDES 1 IN CHAMBER

CAPACITY*

CARTRIDGE LENGTH

MODEL 700 TM M24

ORDER NO. 5716

BARREL

Remington



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

MODEL 700™ M24

SERIAL NO.

C6665979

ORDER NO.

5716

20

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



5716 C6665979

ORDER 5716

MODEL 700™ M24

UPC



0 47700 25716 7

ORDER 5716

MODEL 700™ M24

UPC



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6665979

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		9/25/91	KA
600	Proof		9/25/91	KA
607	Check Headspace		9/25/91	KA
610	Dis-assemble Gun		9/25/91	KA
612	Magnaflux Barrel Action		OCT 2 1991	KR
	Magnaflux Bolt		OCT 2 1991	KR
615	Rollmark Caliber		OCT 2 1991	GS
617	Drill and Tap Sight Holes		OCT 2 1991	FB
618	Polish Barrel		OCT 4 1991	WB
620	Apply Coatings (Barrel Action)		10/14/91	KA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/30/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/30/91	KA
	C) Inspect Ejector Hole for Chamfer		10/30/91	KA
	D) Oil Firing Pin Ass'y		10/30/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		10/31/91	KA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			10/31/91	JK
	G) Safety Off Force	4	4	4			10/31/91	JK
	H) Trigger Pull Test & Retainability						10/31/91	JK
	I) Firing Pin Indent	020	020	020			10/31/91	JK
	J) Assemble Stock						10/31/91	JK
	K) Assemble Swivel Studs						11-12-91	AC
	L) Attach Front and Rear Sight Assemblies						10/31/91	JK
	M) Iron Sight Alignment						10/31/91	JK
	N) Detach Front & Rear Sights & place in numbered container						10/31/91	JK
	O) Attach Scope to Rifle						10/31/91	JK
	P) Detach & Attach Scope 20 Times						10/31/91	JK
640	Gallery Target & Test						11-1-91	AC
	A) Time						11-1-91	AC
	B) Malfunctions						11-1-91	AC
	C) Pierced Primers						11-1-91	AC
	D) Optical Clarity of Scope						11-1-91	AC
645	Inspect for Live Ammo						11-1-91	AC
655	Final Inspection							
	A) Headspace						11-12-91	AC
	B) Trigger Pull	264	269	267	263	266	11-5-91	DH
	C) Function						11-12-91	AC
660	Pack						12-18-91	N

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6665979

DATE 10/31/91

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.54	2.58	2.50	264	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.57	2.60	2.56	269	
PULL #3	2.40	2.62	2.59	267	
PULL #4	2.53	2.52	2.48	263	
PULL #5	2.48	2.59	2.51	266	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.66	3.35		
PULL #2	3.55	3.60		
PULL #3	3.57	3.36		
PULL #4	3.57	3.52		
PULL #5	3.44	3.27		
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	4.40		4.43
PULL #2	4.35	4.11		4.42
PULL #3	4.34	4.33		4.27
PULL #4	4.38	4.39		4.40
PULL #5	4.30	4.21		4.29
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06665979
1 Nov 1991

CENTROIDAL DISTANCES

0 TO 1	.46684
1 TO 2	.653652
1 TO 3	.655824
1 TO 4	.824059
1 TO 5	.693842

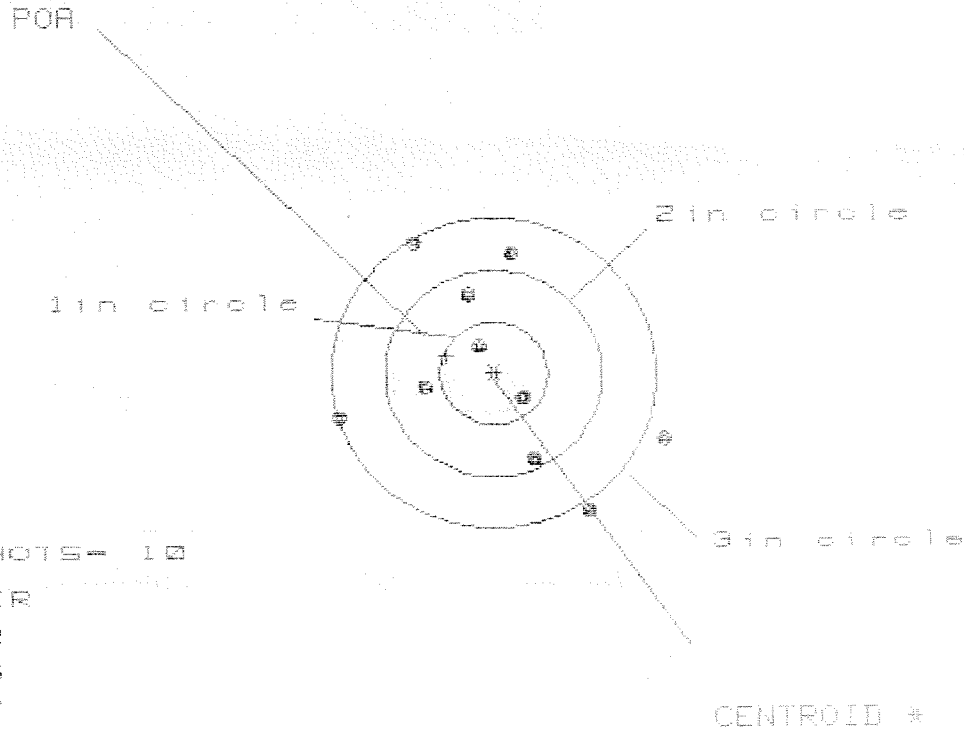
✱ 1 -----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0732
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0366
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0818401
THE AMR FOR THIS RIFLE IS: .9686

1 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8665979

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 2.955

VS= 2.587

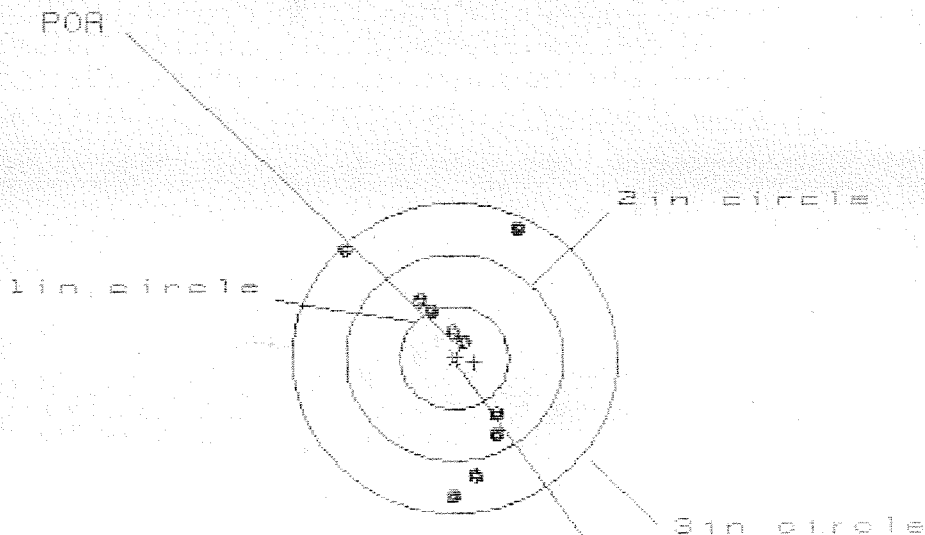
CS= 3.086

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.561	1.079	.504
MINIMUM X	:	-1.394	-1.220	-1.086
MAXIMUM Y	:	1.292	1.228	1.058
MINIMUM Y	:	-1.295	-1.359	-1.105
CENTROID X	:	.434	.260	.126
CENTROID Y	:	-.172	-.108	.062
POA TO CENTROID in.	:	.467	.282	.140
MIN RADIUS	:	.316	.227	.178
MEAN RADIUS	:	1.048	.960	.843
MAX RADIUS	:	1.665	1.735	1.285
HORIZONTAL SPREAD	:	2.955	2.299	1.720
VERTICAL SPREAD	:	2.587	2.587	2.163
EXTREME SPREAD	:	3.086	3.086	2.428
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

1 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B65379

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 3

2in = 6

3in = 10

HS = 1.525

VS = 2.603

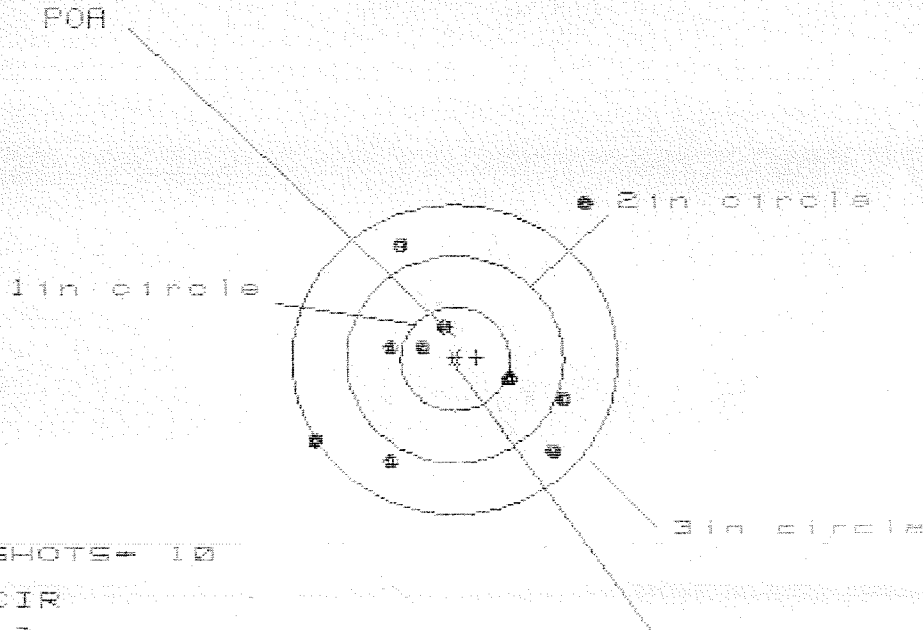
GS = 2.667

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.561	.446	.365
MINIMUM X	:	-1.034	-.428	-.372
MAXIMUM Y	:	1.242	1.356	.881
MINIMUM Y	:	-1.361	-1.247	-1.077
CENTROID X	:	-.185	-.070	-.126
CENTROID Y	:	.038	-.076	-.246
POA TO CENTROID in.	:	.189	.103	.276
MIN RADIUS	:	.212	.323	.467
MEAN RADIUS	:	.855	.796	.730
MAX RADIUS	:	1.459	1.427	1.080
HORIZONTAL SPREAD	:	1.595	.874	.738
VERTICAL SPREAD	:	2.603	2.603	1.958
EXTREME SPREAD	:	2.667	2.667	1.980
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			10	

1 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08865373

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 8

HS= 2.564

VS= 2.494

GS= 3.403

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.227	1.137	.997
MINIMUM X	:	-1.337	-1.201	-.656
MAXIMUM Y	:	1.486	1.286	1.213
MINIMUM Y	:	-1.008	-.843	-.916
CENTROID X	:	-.203	-.339	-.189
CENTROID Y	:	-.016	-.181	-.106
POR TO CENTROID in.	:	.203	.384	.218
MIN RADIUS	:	.357	.330	.402
MEAN RADIUS	:	1.006	.897	.831
MAX RADIUS	:	1.927	1.342	1.325
HORIZONTAL SPREAD	:	2.564	2.338	1.643
VERTICAL SPREAD	:	2.494	2.129	2.129
EXTREME SPREAD	:	3.403	2.428	2.428
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

1 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08885929

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 0

2in = 6

3in = 8

HS = 2.289

VS = 3.048

GS = 3.062

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.769	.783	.595
MINIMUM X	:	-1.520	-1.506	-.833
MAXIMUM Y	:	1.292	1.097	.962
MINIMUM Y	:	-1.756	-1.081	-.899
CENTROID X	:	-.177	-.191	-.003
CENTROID Y	:	-.045	.150	.285
POA TO CENTROID in.	:	.183	.243	.285
MIN RADIUS	:	.686	.659	.434
MEAN RADIUS	:	1.038	.934	.766
MAX RADIUS	:	1.760	1.854	1.105
HORIZONTAL SPREAD	:	2.289	2.289	1.428
VERTICAL SPREAD	:	3.048	2.178	1.861
EXTREME SPREAD	:	3.062	2.917	2.062
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

1 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6665923

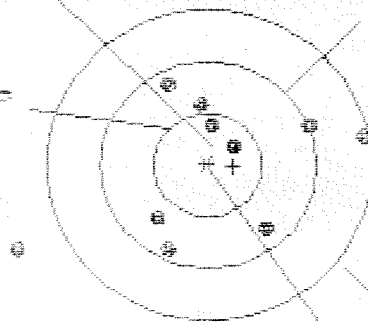
CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle



OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 9

HS= 3.204

VS= 1.631

CS= 3.375

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	0
MAXIMUM X	1.427	1.230	.864
MINIMUM X	-1.777	-.653	-.409
MAXIMUM Y	.821	.731	.751
MINIMUM Y	-.810	-.877	-.857
CENTROID X	-.235	-.807	-.191
CENTROID Y	.012	.102	.082
POA TO CENTROID in.	.235	.109	.208
MIN RADIUS	.308	.120	.231
MEAN RADIUS	.896	.743	.678
MAX RADIUS	1.952	1.241	.967
HORIZONTAL SPREAD	3.204	1.883	1.363
VERTICAL SPREAD	1.631	1.608	1.608
EXTREME SPREAD	3.375	2.105	1.751
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	