

Smith
III
®

FORM

UPC



0 47700 25716 7

C6665870

CAPACITY:
*INCLUDES 1 IN CHAMBER

MODEL 700 TM M24

Remington



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

MODEL 700 TM M24

SERIAL NO.

C6665870

ORDER NO.

5716

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



5716 C6665870

ORDER 5716

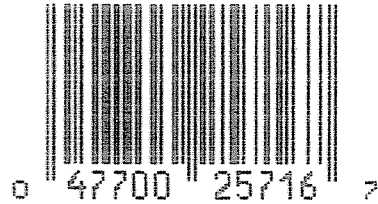
MODEL 700 TM M24

UPC

ORDER 5716

MODEL 700 TM M24

UPC



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GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6665870

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		9/26/91	KK
600	Proof		9/26/91	KK
607	Check Headspace		9/26/91	KK
610	Dis-assemble Gun		9/26/91	KK
612	Magnaflux Barrel Action	OCT	4 1991	KK
	Magnaflux Bolt	OCT	4 1991	KK
615	Rollmark Caliber	OCT	4 1991	ES
617	Drill and Tap Sight Holes	OCT	4 1991	FB
618	Polish Barrel	OCT	4 1991	WB
620	Apply Coatings (Barrel Action)		10-18-91	JA
	Apply Coating (Bolt)		10-18-91	JA
625	Final Assembly A) Clean inside of Bolt Assembly		11/21/91	KK
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/21/91	KK
	C) Inspect Ejector Hole for Chamfer		11/21/91	KK
	D) Oil Firing Pin Ass'y		11/21/91	KK
	E) Adjust Trigger Pull to Min Setting and Stake		11-23-91	JM

op.	BARBER - M24 0103531	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			11-22-91	RL
	G) Safety Off Force	3	3	3			11-22-91	RL
	H) Trigger Pull Test & Retainability						11-22-91	RL
	I) Firing Pin Indent	0.020	0.020	0.020			11-22-91	RL
	J) Assemble Stock						11/24/91	RL
	K) Assemble Swivel Studs						12-3-91	AC
	L) Attach Front and Rear Sight Assemblies						11/24/91	RL
	M) Iron Sight Alignment						11/24/91	RL
	N) Detach Front & Rear Sights & place in numbered container						11/24/91	RL
	O) Attach Scope to Rifle						11/26/91	RL
	P) Detach & Attach Scope 20 Times						11/26/91	RL
640	Gallery Target & Test						11/27/91	RL
	A) Time							RL
	B) Malfunctions							RL
	C) Pierced Primers							RL
	D) Optical Clarity of Scope							RL
645	Inspect for Live Ammo						11/27/91	RL
655	Final Inspection						12-3-91	RL
	A) Headspace							RL
	B) Trigger Pull	233	240	242	254	245	12-27-91	RL
	C) Function						12-3-91	RL
660	Pack						12-19-91	RL

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C.6665870DATE 11-22-91TESTER JP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.44	2.51	233	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.39	2.38	240	
PULL #3	2.45	2.26	2.44	242	
PULL #4	2.41	2.43	2.50	254	
PULL #5	2.35	2.44	2.55	245	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.34	3.36		
PULL #2	3.21	3.56		
PULL #3	3.58	3.66		
PULL #4	3.25	3.60		
PULL #5	3.60	3.59		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.53	4.58		4.42
PULL #2	4.32	4.44		4.27
PULL #3	4.30	4.50		4.28
PULL #4	4.56	4.49		4.35
PULL #5	4.52	4.51		4.48
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C665870
27 Nov 1991

CENTROIDAL DISTANCES

0 TO 1	245359
1 TO 2	279659
1 TO 3	326038
1 TO 4	0286358
1 TO 5	215678

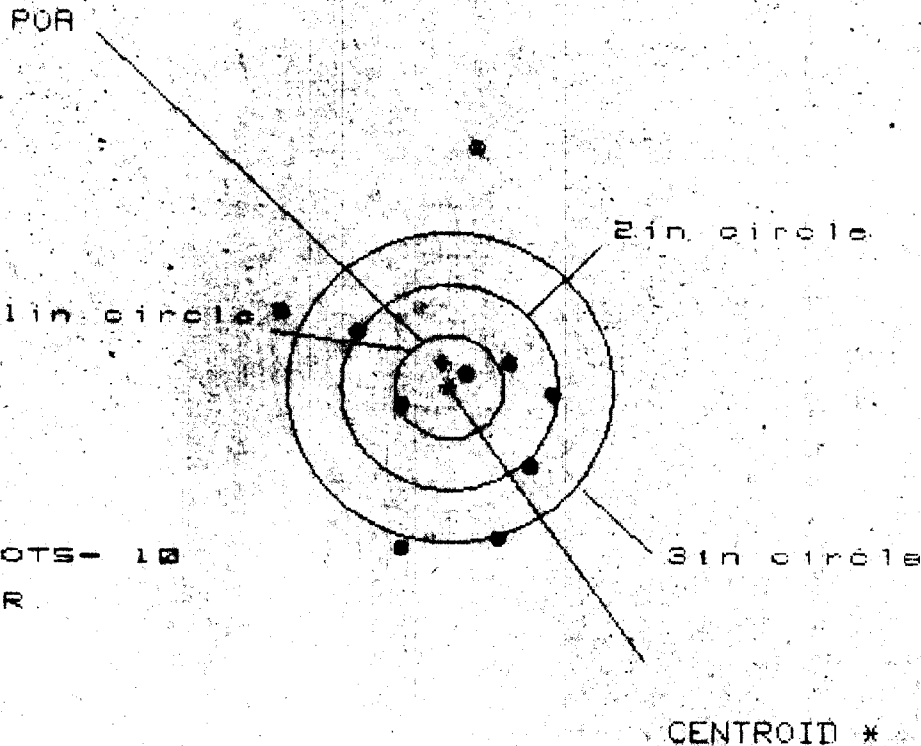
-----POA

THE AVERAGE X-COORDINATE FOR THIS DATA IS .0252
THE AVERAGE Y-COORDINATE FOR THIS DATA IS .0438
THE RESULTING COORDINATE FOR THE CENTER OF GRAVITY IS: .0961607
THE HMM FOR THIS RIFLE IS 10.0000

27 Nov 1991

FILE: PATTERNING/CENTERFIRE_PATT/C8663870

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in - 2

2in - 5

3in - 6

HS - 2.500

VS - 3.850

GS - 3.909

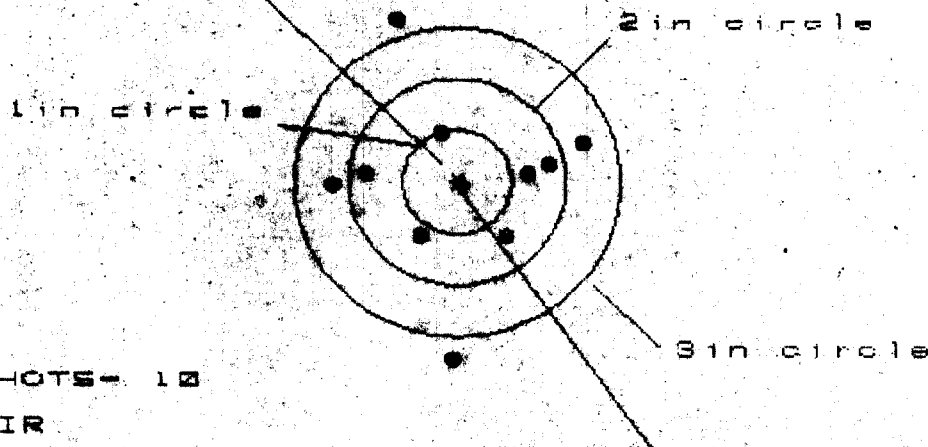
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.996	1.023	.838
MINIMUM X	-1.594	-1.477	-.963
MAXIMUM Y	2.315	.947	.910
MINIMUM Y	1.535	-1.278	-1.159
CENTROID X	.001	.024	.209
CENTROID Y	-.240	-.497	-.616
POA TO CENTROID in.	.245	.498	.650
MIN RADIUS	.217	.430	.524
MEAN RADIUS	1.144	1.01	.83
MAX RADIUS	2.328	1.77	1.47
HORIZONTAL SPREAD	2.500	2.500	2.500
VERTICAL SPREAD	3.850	2.500	2.500
EXTREME SPREAD	3.909	2.500	2.500
NUMBER IN ONE INCH CIRCLE	=	2	2
NUMBER IN TWO INCH CIRCLE	=	5	5
NUMBER IN THREE INCH CIRCLE	=	6	6

27 Nov 1991

FILE: PATTERNING/CENTERFIRE_PATT/C6885870

CENTERFIRE PATTERNS # 2

POA



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 6

3 in = 8

HS = 2.245

VS = 3.290

GS = 3.330

CENTROID *

PATTERN #

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.112	1.048	1.032
MINIMUM X	-1.133	-1.197	-1.213
MAXIMUM Y	1.610	.675	.487
MINIMUM Y	-1.600	-1.501	-.552
CENTROID X	-.052	.012	.028
CENTROID Y	.020	-.159	.029
POA TO CENTROID in.	.056	.159	.040
MIN RADIUS	.527	.503	.552
MEAN RADIUS	.995	.903	.814
MAX RADIUS	1.710	1.507	1.213
HORIZONTAL SPREAD	2.245	2.245	
VERTICAL SPREAD	3.290	2.175	
EXTREME SPREAD	3.330	2.330	
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

27 Nov 1991

FILE: PATTERNING/CENTERFIRE_PATT/C8605870

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 3.835

VS= 2.580

GS= 3.837

PATTERN #

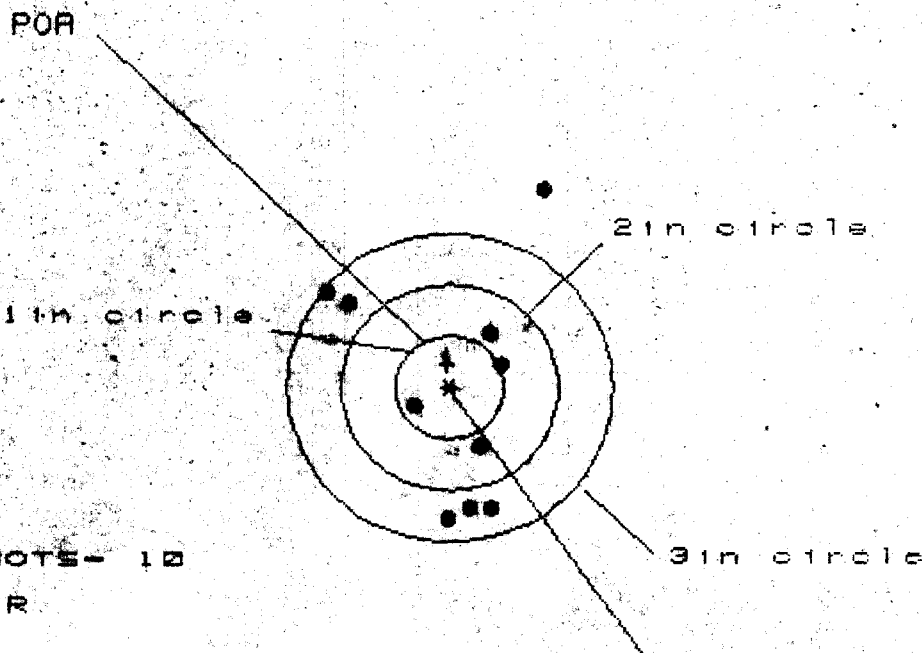
SHOTS (BEST OF)

	10	9	8
MAXIMUM X	1.991	1.798	1.595
MINIMUM X	-1.844	-1.623	-1.143
MAXIMUM Y	1.197	1.193	1.171
MINIMUM Y	-1.383	-1.387	-1.409
CENTROID X	-.050	-.271	-.069
CENTROID Y	.070	.074	.096
POA TO CENTROID in.	.086	.281	.118
MIN RADIUS	.354	.415	.385
MEAN RADIUS	1.220	1.110	1.042
MAX RADIUS	1.992	1.922	1.743
HORIZONTAL SPREAD	3.835	3.421	2.738
VERTICAL SPREAD	2.580	2.580	2.580
EXTREME SPREAD	3.837	3.458	
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		7	

27 Nov 1991

FILE: PATTERNING/CENTERFIRE_PATT/C6685870

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 5

HS= 2.018

VS= 3.165

GS= 3.296

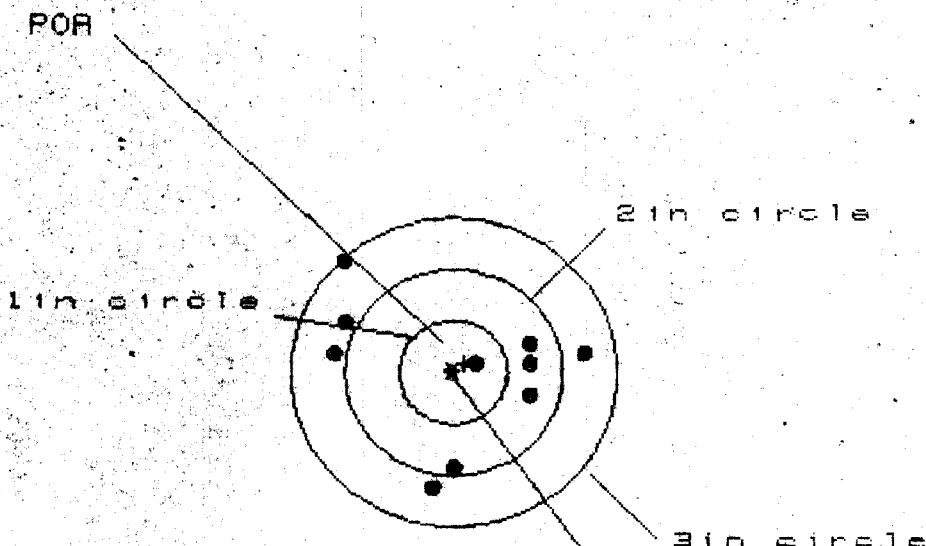
CENTROID *

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.863	.552	.420
MINIMUM X	:	-1.155	-1.059	-.955
MAXIMUM Y	:	1.893	1.091	1.147
MINIMUM Y	:	-1.272	-1.061	-.925
CENTROID X	:	.025	-.071	.061
CENTROID Y	:	-.228	-.439	-.575
POA TO CENTROID in.	:	.230	.444	.578
MIN RADIUS	:	.391	.236	.337
MEAN RADIUS	:	1.062	.920	.816
MAX RADIUS	:	2.081	1.520	1.493
HORIZONTAL SPREAD	:	2.018	1.611	1.375
VERTICAL SPREAD	:	3.165	2.152	2.072
EXTREME SPREAD	:	3.296	2.544	2.12
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

27 Nov 1991

FILE://PATTERNING/CENTERFIRE_PATT/C6665870

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 1

2in = 5

3in = 10

HS = 2.249

VS = 2.149

GS = 2.335

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.163	1.054	.696
MINIMUM X	:	-1.086	-1.195	-1.063
MAXIMUM Y	:	1.054	.558	.591
MINIMUM Y	:	-1.095	-.978	-.945
CENTROID X	:	-.100	.010	-.122
CENTROID Y	:	-.086	-.203	-.236
POA TO CENTROID in.	:	.132	.203	.265
MIN RADIUS	:	.234	.234	.334
MEAN RADIUS	:	.919	.833	.821
MAX RADIUS	:	1.443	1.276	1.175
HORIZONTAL SPREAD	:	2.249	2.249	1.759
VERTICAL SPREAD	:	2.149	1.536	1.536
EXTREME SPREAD	:	2.335	2.249	1.836
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	