

FOR

UPC



0 47700 25716 7

C6649045

*INCLUDES 1 IN CHAMBER

CAPACITY*

BARREL LENGTH

MODEL 700 TM M24

ORDER NO.

5716

Remington

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

MODEL 700™ M24**SERIAL NO.****C6649045****ORDER NO.****5716**

20

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



5716 C6649045

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 #

C6649045

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26	91	RW
600	Proof	9 26	91	RW
607	Check Headspace	9 26	91	RW
610	Dis-assemble Gun	9 26	91	RW
612	Magnaflux Barrel Action	OCT	3 1991	KCK
	Magnaflux Bolt	OCT	3 1991	KCK
615	Rollmark Caliber	OCT	3 1991	GS
617	Drill and Tap Sight Holes	OCT	4 1991	LB
618	Polish Barrel	OCT	4 1991	WB
620	Apply Coatings (Barrel Action)		10-18-91	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/18/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/18/91	RW
	C) Inspect Ejector Hole for Chamfer		10/18/91	RW
	D) Oil Firing Pin Ass'y		10/18/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		12/3/91	WB

Op. #	Task	READING					Date	Initials
625 cont.	F) Safety On Force	3	3	3			12/3/91	WB
	G) Safety Off Force	3	3	3			12/3/91	WB
	H) Trigger Pull Test & Retainability						12/3/91	WB
	I) Firing Pin Indent	.021	.021	.021			12/3/91	WB
	J) Assemble Stock						12/6/91	RW
	K) Assemble Swivel Studs						12-11-91	AC
	L) Attach Front and Rear Sight Assemblies						12/6/91	RW
	M) Iron Sight Alignment						12/6/91	RW
	N) Detach Front & Rear Sights & place in numbered container						12/6/91	RW
	O) Attach Scope to Rifle						12/6/91	RW
	P) Detach & Attach Scope 20 Times						12/6/91	RW
640	Gallery Target & Test						12-6-91	DH
	A) Time						12-6-91	DH
	B) Malfunctions						12-6-91	DH
	C) Pierced Primers						12-6-91	DH
	D) Optical Clarity of Scope						12-6-91	DH
645	Inspect for Live Ammo						12-6-91	DH
655	Final Inspection							
	A) Headspace						12-11-91	AC
	B) Trigger Pull	2.61	2.61	2.52	2.48	2.55	12-7-91	DH
	C) Function						12-11-91	AC
660	Pack						12-19-91	AC

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6649045

DATE 12/3/91

TESTER WJB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.46	2.42	2.61	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.40	2.39	2.61	
PULL #3	2.47	2.43	2.43	2.52	
PULL #4	2.47	2.14	2.44	2.48	
PULL #5	2.41	2.45	2.18	2.55	
TOTAL	12.27	11.88	11.82		
AVG.	2.45	2.37	2.36		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.15	3.13		
PULL #2	3.16	3.16		
PULL #3	3.16	3.16		
PULL #4	3.18	3.16		
PULL #5	3.11	3.15		
TOTAL	15.77	15.76		
AVG.	3.15	3.15		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.03		4.26
PULL #2	4.20	4.16		4.26
PULL #3	4.21	4.15		4.27
PULL #4	4.16	4.16		4.28
PULL #5	4.19	4.22		4.28
TOTAL	20.90	20.72		21.35
AVG.	4.18	4.14		4.27

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649045
6 Dec 1991

CENTROIDAL DISTANCES

0 TO	1	.244377
1 TO	2	.353412
1 TO	3	.382968
1 TO	4	.495259
1 TO	5	.404505

$\frac{4.8}{5.1}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0366
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1074
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .113465
THE AMR FOR THIS RIFLE IS: .9592

6 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B49045

CENTERFIRE PATTERNS

1

POR

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 3.129

VS= 1.971

GS= 3.167

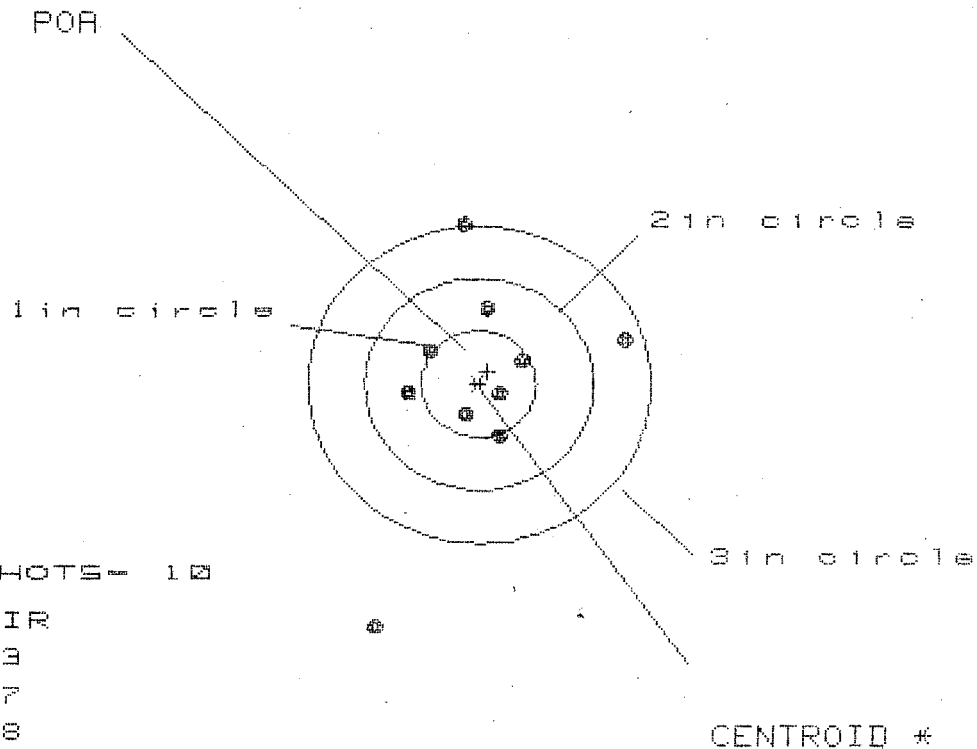
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.374	1.179	1.013
MINIMUM X	-1.755	-1.324	-1.217
MAXIMUM Y	1.039	.979	.648
MINIMUM Y	-.932	-.992	-.870
CENTROID X	.242	.437	.603
CENTROID Y	.034	.094	-.028
POR TO CENTROID in.	.245	.447	.604
MIN RADIUS	.259	.448	.266
MEAN RADIUS	1.073	.960	.829
MAX RADIUS	1.838	1.647	1.366
HORIZONTAL SPREAD	3.129	2.503	2.230
VERTICAL SPREAD	1.971	1.971	1.518
EXTREME SPREAD	3.167	2.730	2.277
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

6 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649045

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 2.191

VS= 3.845

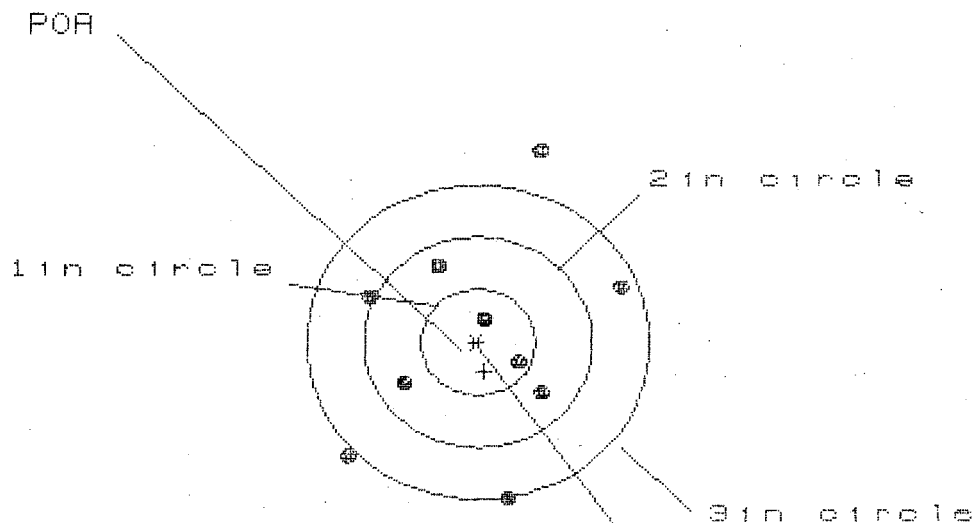
GS= 3.932

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.276	1.175	1.150
MINIMUM X	-.915	-.735	-.760
MAXIMUM Y	1.519	1.260	.647
MINIMUM Y	-2.326	-.710	-.552
CENTROID X	-.078	.023	.048
CENTROID Y	-.116	.143	-.015
POA TO CENTROID in.	.140	.145	.050
MIN RADIUS	.207	.263	.197
MEAN RADIUS	.874	.689	.587
MAX RADIUS	2.500	1.275	1.193
HORIZONTAL SPREAD	2.191	1.910	1.910
VERTICAL SPREAD	3.845	1.970	1.199
EXTREME SPREAD	3.932	1.994	1.963
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

6 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649045

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 7

HS = 2.354

VS = 3.315

GS = 3.427

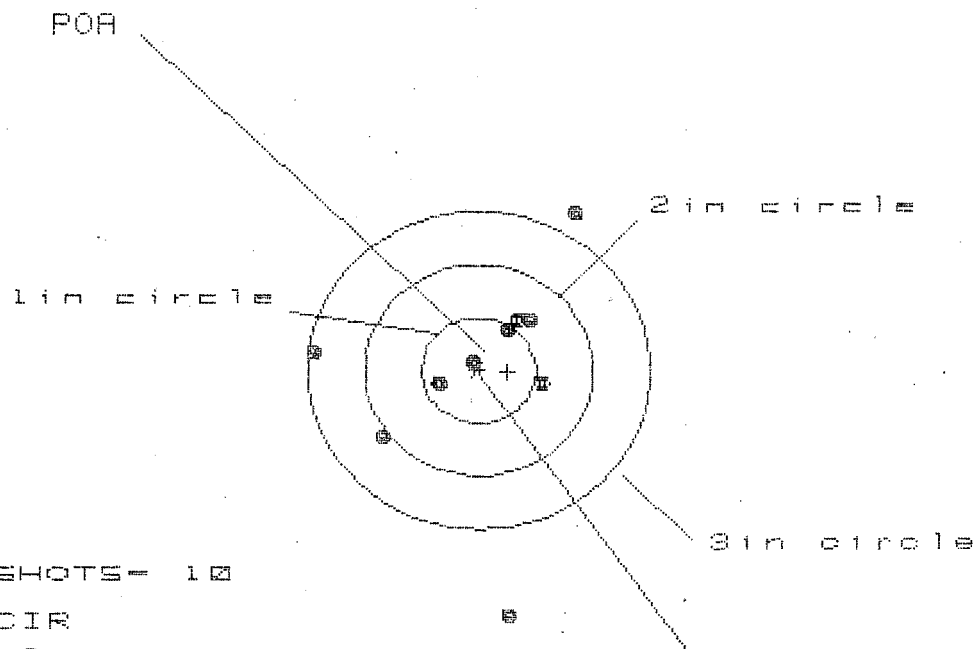
CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.204	1.269	1.134
MINIMUM X	-1.150	-1.085	-.984
MAXIMUM Y	1.835	.956	.841
MINIMUM Y	-1.480	-1.276	-1.391
CENTROID X	-.054	-.119	.016
CENTROID Y	.277	.073	.188
POA TO CENTROID in.	.282	.140	.188
MIN RADIUS	.192	.406	.272
MEAN RADIUS	1.028	.929	.840
MAX RADIUS	1.926	1.475	1.405
HORIZONTAL SPREAD	2.354	2.354	2.118
VERTICAL SPREAD	3.315	2.232	2.232
EXTREME SPREAD	3.427	2.885	2.312
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		

6 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B45045

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS= 2.321

VS= 3.845

GS= 3.892

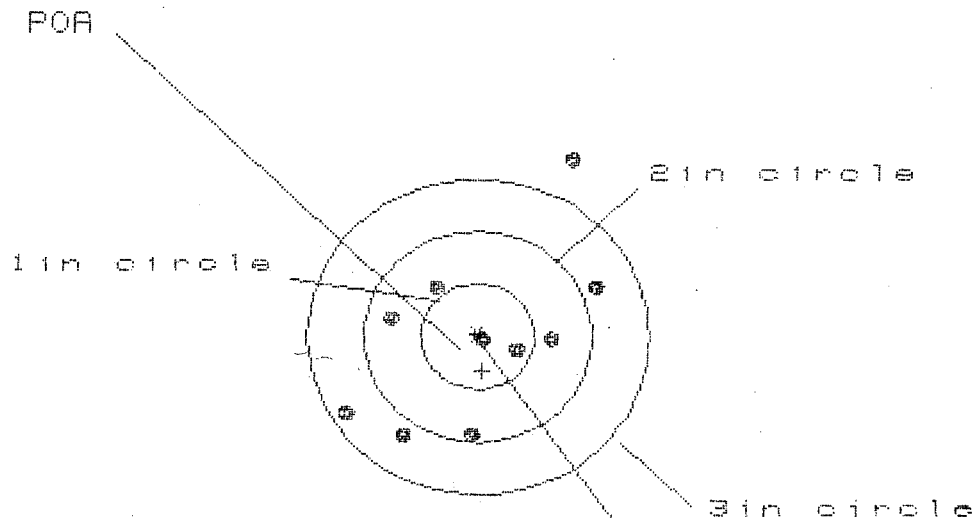
CENTROID #

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	.870
MINIMUM X	-1.451
MAXIMUM Y	1.526
MINIMUM Y	-2.319
CENTROID X	-.253
CENTROID Y	.018
POA TO CENTROID in.	.254
MIN RADIUS	.097
MEAN RADIUS	.934
MAX RADIUS	2.334
HORIZONTAL SPREAD	2.321
VERTICAL SPREAD	3.845
EXTREME SPREAD	3.892
NUMBER IN ONE INCH CIRCLE	3
NUMBER IN TWO INCH CIRCLE	6
NUMBER IN THREE INCH CIRCLE	8

6 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649045

CENTERFIRE PATTERNS # 5



OF SHOTS-- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.142

VS= 2.573

GS= 3.125

CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.006	1.098	.967
MINIMUM X	-1.136	-1.044	-.760
MAXIMUM Y	1.664	.682	.608
MINIMUM Y	-.909	-.724	-.797
CENTROID X	-.040	-.132	-.001
CENTROID Y	.324	.139	.213
POA TO CENTROID in.	.326	.191	.213
MIN RADIUS	.085	.196	.056
MEAN RADIUS	.887	.778	.692
MAX RADIUS	1.855	1.269	1.119
HORIZONTAL SPREAD	2.142	2.142	1.727
VERTICAL SPREAD	2.573	1.406	1.406
EXTREME SPREAD	3.125	2.468	2.171
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		