

Smead
®

FORM

UPC



0 47700 25716 7

C6665756

*INCLUDES 1 IN CHAMBER

MODEL 700 TM M24

ORDER NO.

5716

BARREL LENGTH

RemingtonVERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.**MODEL 700TM M24**

SERIAL NO.

C6665756

ORDER NO.

5716

20

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



5716 C6665756

ORDER 5716MODEL 700TM M24**UPC**

0 47700 25716 7

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0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

26665756

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/1/91	KA
600	Proof		10/1/91	KA
607	Check Headspace		10/1/91	KA
610	Dis-assemble Gun		10/1/91	KA
612	Magnaflux Barrel Action		OCT 8 1991	KR
	Magnaflux Bolt		OCT 8 1991	KR
615	Rollmark Caliber		OCT 8 1991	BB
617	Drill and Tap Sight Holes		OCT 8 1991	LB
618	Polish Barrel		10/15/91	WB
620	Apply Coatings (Barrel Action)		11/2/91	KA
	Apply Coating (Bolt)			KA
625	Final Assembly A) Clean inside of Bolt Assembly		12/3/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/3/91	KA
	C) Inspect Ejector Hole for Chamfer		12/3/91	KA
	D) Oil Firing Pin Ass'y		12/3/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		12-5/91	KA

op. #	BARBER - M24 0102136	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5	5	5	12-5-91	YH
	G) Safety Off Force	3	3	3	3	3	12-5-91	YH
	H) Trigger Pull Test & Retainability						12-5-91	YH
	I) Firing Pin Indent	.0205	.020	.020	.020	.020	12-5-91	YH
	J) Assemble Stock						12-5-91	YH
	K) Assemble Swivel Studs						12-7-91	YH
	L) Attach Front and Rear Sight Assemblies						12-5-91	YH
	M) Iron Sight Alignment						12-5-91	YH
	N) Detach Front & Rear Sights & place in numbered container						12-5-91	YH
	O) Attach Scope to Rifle						12-5-91	YH
P) Detach & Attach Scope 20 Times						12-5-91	YH	
640	Gallery Target & Test						12-5-91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						12-5-91	KT
655	Final Inspection							
	A) Headspace						12-7-91	YH
	B) Trigger Pull	2.35	2.24	2.21	2.22	2.27	12-7-91	YH
	C) Function						12-7-91	YH
660	Pack						12-19-91	YH

TIME 3140

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS:

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6665756DATE 12-5-91TESTER JP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.65	2.60	2.51	2.35	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.55	2.44	2.52	2.24	
PULL #3	2.53	2.54	2.55	2.21	
PULL #4	2.41	2.44	2.59	2.22	
PULL #5	2.42	2.56	2.53	2.27	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.20	3.44		
PULL #2	3.34	3.44		
PULL #3	3.50	3.45		
PULL #4	3.49	3.33		
PULL #5	3.40	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	4.25	4.51		4.47
PULL #2	4.56	4.36		4.44
PULL #3	4.56	4.47		4.45
PULL #4	4.53	4.48		4.44
PULL #5	4.24	4.46		4.56
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
 FOR RIFLE # C6665756
 16 Dec 1991

CENTROIDAL DISTANCES

0 TO 1	.313249
1 TO 2	.524241
1 TO 3	.484366
1 TO 4	.295814
1 TO 5	.304171

15
 312 (----POA

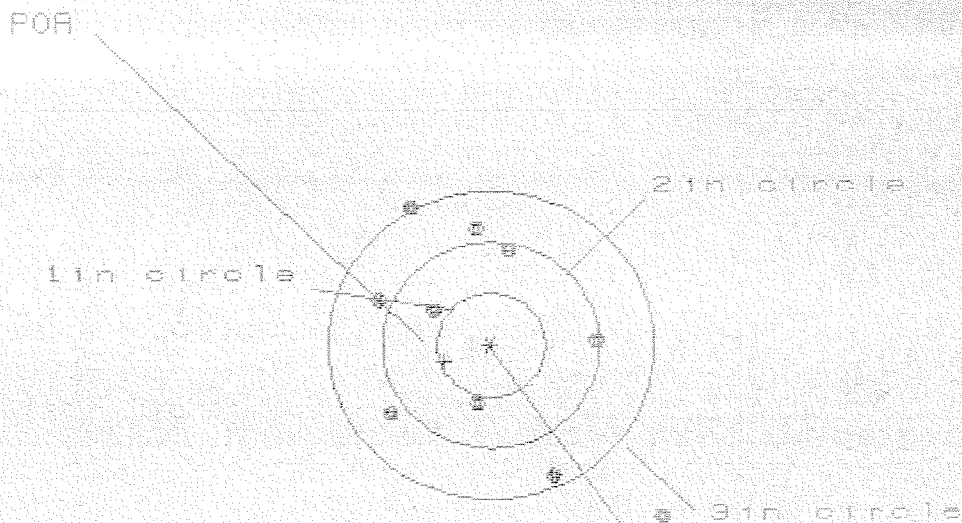
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1732
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0324
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .176284

THE AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.209

Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08665756

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 8

HS= 2.587

VS= 2.998

GS= 3.776

CENTROID #

PATTERN #

5

	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.593	1.173	1.108
MINIMUM X	-.994	-.817	-.882
MAXIMUM Y	1.331	1.146	1.070
MINIMUM Y	-1.667	-1.464	-1.321
CENTROID X	.432	.255	.328
CENTROID Y	.161	.346	.283
CM TO CENTROID in.	.461	.438	.379
1" RADIUS	.544	.407	.541
2" RADIUS	1.169	.996	.978
3" RADIUS	2.386	1.662	1.585
HORIZONTAL SPREAD	2.587	1.998	1.998
VERTICAL SPREAD	2.998	2.610	2.391
SPHERE SPREAD	3.776	2.920	2.492
SHOTS IN ONE INCH CIRCLE	=	0	
SHOTS IN TWO INCH CIRCLE	=	4	
SHOTS IN THREE INCH CIRCLE	=	8	

6 Dec 1931

FILE:/PATTERNING/CENTERFIRE_PATT/C8685756

CENTERFIRE PATTERNS

4

POA

11n circle

21n circle

31n circle

OF SHOTS= 10

IN CIR

11n = 2

21n = 5

31n = 8

CENTROID *

HS= 3.480

VS= 2.741

GS= 4.156

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

2.069

1.912

1.232

MINIMUM X

-1.411

-1.177

-.938

MAXIMUM Y

1.678

.697

.646

MINIMUM Y

-1.063

-.877

-.928

CENTROID X

.259

.416

.176

CENTROID Y

.000

-.186

-.135

POA TO CENTROID in.

.259

.455

.222

11" RADIUS

.159

.147

.305

21" RADIUS

1.028

.897

.748

31" RADIUS

2.192

1.955

1.319

HORIZONTAL SPREAD

3.480

3.039

2.169

VERTICAL SPREAD

2.741

1.574

1.574

EXTREME SPREAD

4.156

3.124

2.519

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

8

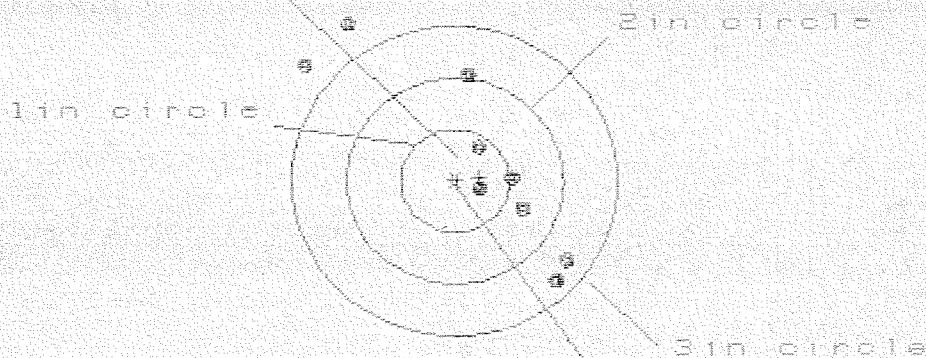
8 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6685756

CENTERFIRE PATTERNS

3

POA



OF SHOTS= 10

IN CIR

1in = 3

2in = 4

3in = 7

CENTROID +

HS= 2.422

VS= 3.610

GS= 3.613

PATTERN #

3

SHOTS (BEST OF)

10

9

8

MAXIMUM X

-1.010

-0.888

-0.753

MINIMUM X

-1.412

-1.534

-1.669

MAXIMUM Y

1.540

1.318

1.041

MINIMUM Y

-2.062

-1.186

-1.021

CENTROID X

-.223

-.101

.034

CENTROID Y

-.004

.196

.031

RCP TO CENTROID IN.

.226

.220

.046

MIN RADIUS

.190

.105

.150

MEAN RADIUS

1.127

.948

1.795

GRN RADIUS

2.387

1.767

1.967

HORIZONTAL SPREAD

2.422

2.422

2.422

VERTICAL SPREAD

3.610

2.504

2.062

EXTREME SPREAD

3.613

3.128

3.108

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

4

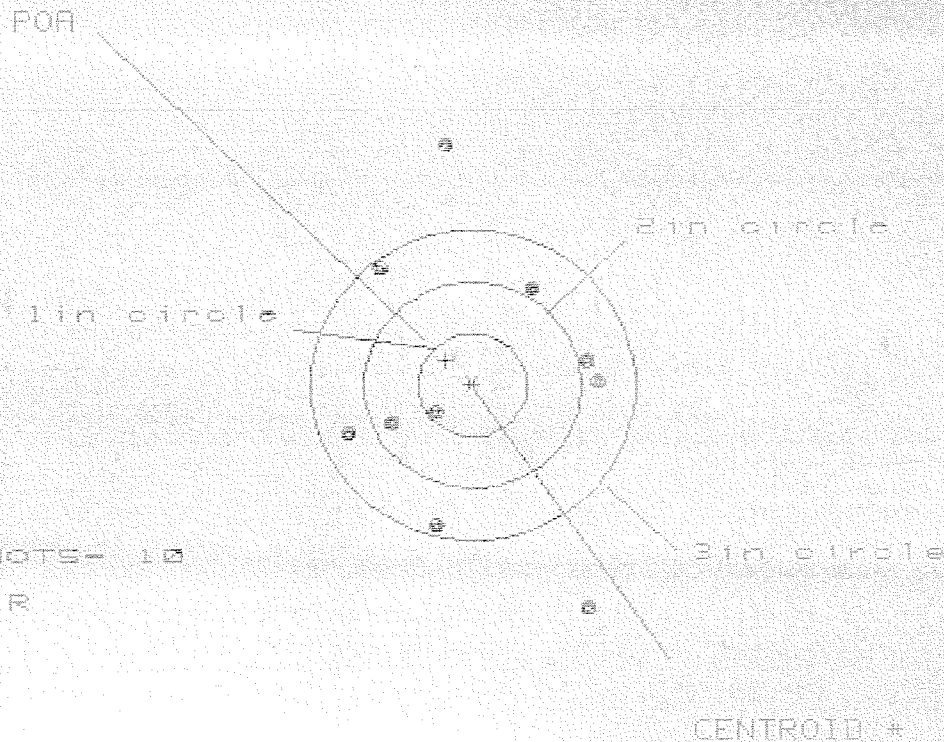
NUMBER IN THREE INCH CIRCLE =

7

5 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06665756

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 2

3in = 8

HS= 2.318

VS= 4.435

GS= 4.693

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.192

1.385

1.293

MINIMUM X

-1.127

-1.013

-1.025

MAXIMUM Y

2.318

2.083

1.122

MINIMUM Y

-2.117

-1.612

-1.352

CENTROID X

.248

.135

.147

CENTROID Y

-.248

-.005

-.265

POA TO CENTROID in.

.345

.135

.303

1in RADIUS

.449

.530

.349

2in RADIUS

1.332

1.213

1.066

3in RADIUS

2.351

2.085

1.376

HORIZONTAL SPREAD

2.318

2.318

2.318

VERTICAL SPREAD

4.435

3.695

2.474

EXTREME SPREAD

4.693

3.698

2.533

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

2

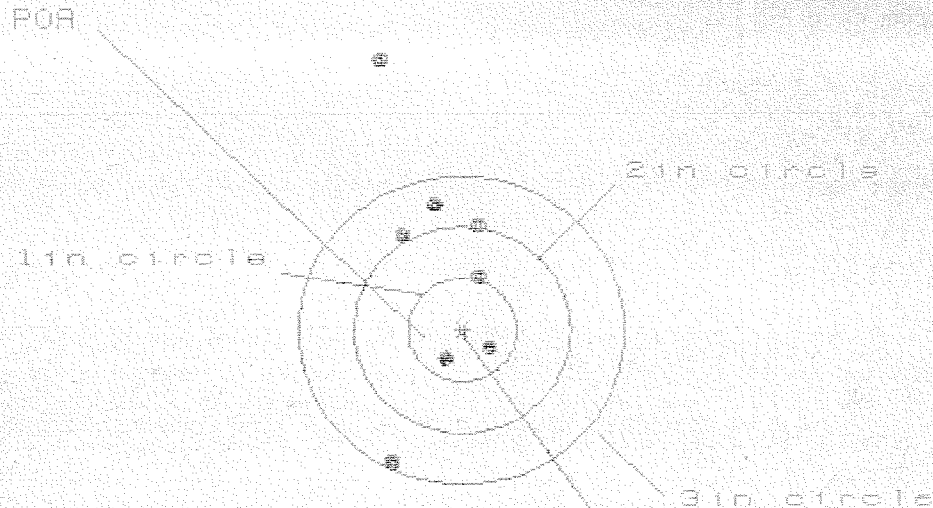
NUMBER IN THREE INCH CIRCLE =

8

6 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06605756

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 3

3in = 7

HS= 2.513

VS= 5.037

GS= 5.629

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.811	.421	.353
MINIMUM X	-.782	-.501	-.532
MAXIMUM Y	2.642	2.376	1.292
MINIMUM Y	-2.395	-2.398	-2.182
CENTROID X	.158	-.051	.011
CENTROID Y	.275	.541	.245
DIFF TO CENTROID IN X	.314	.544	.245
DIFF TO CENTROID IN Y	.306	.419	.289
1 IN RADIUS	1.387	1.181	1.028
2 IN RADIUS	3.983	2.428	2.111
3 IN RADIUS	5.513	4.922	3.891
1 IN SPREAD	5.037	4.774	3.394
2 IN SPREAD	5.629	4.834	3.411
SHOTS IN ONE INCH CIRCLE	=	2	
SHOTS IN TWO INCH CIRCLE	=	3	
SHOTS IN THREE INCH CIRCLE	=	7	