

C6587616

MODEL 760™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington
MODEL 700™ M24

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

DUPONT
REG. U.S. PAT. & TM. OFF.

SERIAL NO.
06587616

ORDER NO.
5716

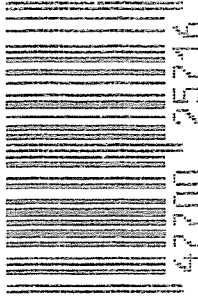
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

28

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UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587616

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1024	90	RW
600	Proof	1024	90	RW
607	Check Headspace	1024	90	RW
610	Dis-assemble Gun	1024	90	RW
612	Magnaflux Barrel Action		10/30/90	KR
	Magnaflux Bolt		71	KR
615	Rollmark Caliber		11	GE
617	Drill and Tap Sight Holes		11/3/90	LOB
618	Polish Barrel <i>PB</i>		11/6/90	WB
620	Apply Coatings (Barrel Action)		11-26-90	TA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		12/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/12/90	RW
	C) Inspect Ejector Hole for Chamfer		12/12/90	RW
	D) Oil Firing Pin Ass'y		12/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1-4-91	DH

op. #	BARBER M24 0023836	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.75	4.50	4.50	1/3/91	KT		
	G) Safety Off Force	3.25	3.25	3.25	1/3/91	KT		
	H) Trigger Pull Test & Retainability				1-4-91	DH		
	I) Firing Pin Indent	.020	.020	.020	1/3/91	KT		
	J) Assemble Stock				1/7/91	Rw		
	K) Assemble Swivel Studs				1-14-91	JH		
	L) Attach Front and Rear Sight Assemblies				1/7/91	Rw		
	M) Iron Sight Alignment				1/7/91	Rw		
	N) Detach Front & Rear Sights & place in numbered container				1/7/91	Rw		
	O) Attach Scope to Rifle				1/7/91	Rw		
	P) Detach & Attach Scope 20 Times				1/7/91	Rw		
640	Gallery Target & Test				1-11-91	AC		
	A) Time				1-11-91	AC		
	B) Malfunctions				1-11-91	AC		
	C) Pierced Primers				1-11-91	AC		
	D) Optical Clarity of Scope				1-11-91	AC		
645	Inspect for Live Ammo				1-11-91	AC		
655	Final Inspection							
	A) Headspace				1-14-91	JH		
	B) Trigger Pull	2.14	2.10	2.36	2.19	2.21	1-14-91	JH
	C) Function				1-14-91	JH		
660	Pack				3-19-91	VF		

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587616DATE 1-4-91TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.43	2.57	2.14	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.41	2.57	2.10	
PULL #3	2.33	2.39	2.52	2.36	
PULL #4	2.32	2.37	2.60	2.19	
PULL #5	2.35	2.37	2.58	2.21	
TOTAL	11.70	11.97	12.84		
AVG.	2.34	2.39	2.56		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.21	3.29		
PULL #2	3.25	3.27		
PULL #3	3.33	3.34		
PULL #4	3.24	3.34		
PULL #5	3.31	3.31		
TOTAL	16.34	16.55		
AVG.	3.26	3.31		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.38	4.40		4.13
PULL #2	4.38	4.40		4.19
PULL #3	4.42	4.38		4.26
PULL #4	4.43	4.40		4.23
PULL #5	4.07	4.35		4.23
TOTAL	21.68	21.93		21.04
AVG.	4.33	4.38		4.20

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587616
11 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.182631
1 TO	2	.375353
1 TO	3	.0206155
1 TO	4	.207171
1 TO	5	.541479

2.5 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1904
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .035
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .19359
THE AMR FOR THIS RIFLE IS: .9336

11 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6597616

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 3

3in = 9

HS= 1.911

VS= 3.087

GS= 3.326

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.922

.964

.684

MINIMUM X

-.989

-.887

-.766

MAXIMUM Y

1.266

1.064

1.167

MINIMUM Y

-1.821

-1.231

-1.128

CENTROID X

.123

.021

-.100

CENTROID Y

-.135

.068

-.035

POA TO CENTROID in.

.182

.071

.106

MIN RADIUS

.358

.423

.546

MEAN RADIUS

1.079

.968

.926

MAX RADIUS

2.041

1.340

1.199

HORIZONTAL SPREAD

1.911

1.851

1.450

VERTICAL SPREAD

3.087

2.295

2.295

EXTREME SPREAD

3.326

2.540

2.316

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

3

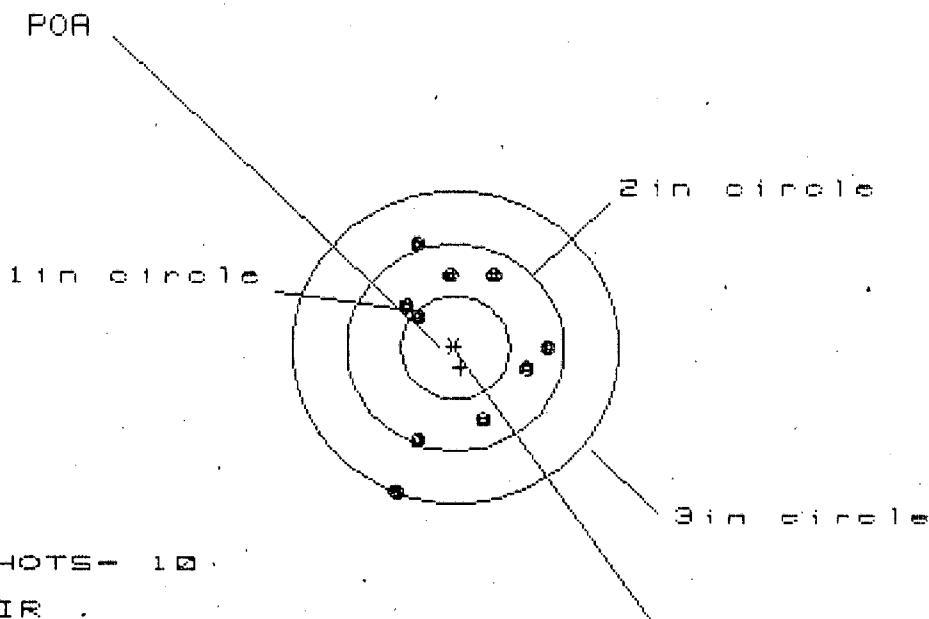
NUMBER IN THREE INCH CIRCLE =

9

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FILE:/PATTERNING/CENTERFIRE_PATT/C6587616

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 8

3 in = 9

HS= 1.447

VS= 2.447

GS= 2.457

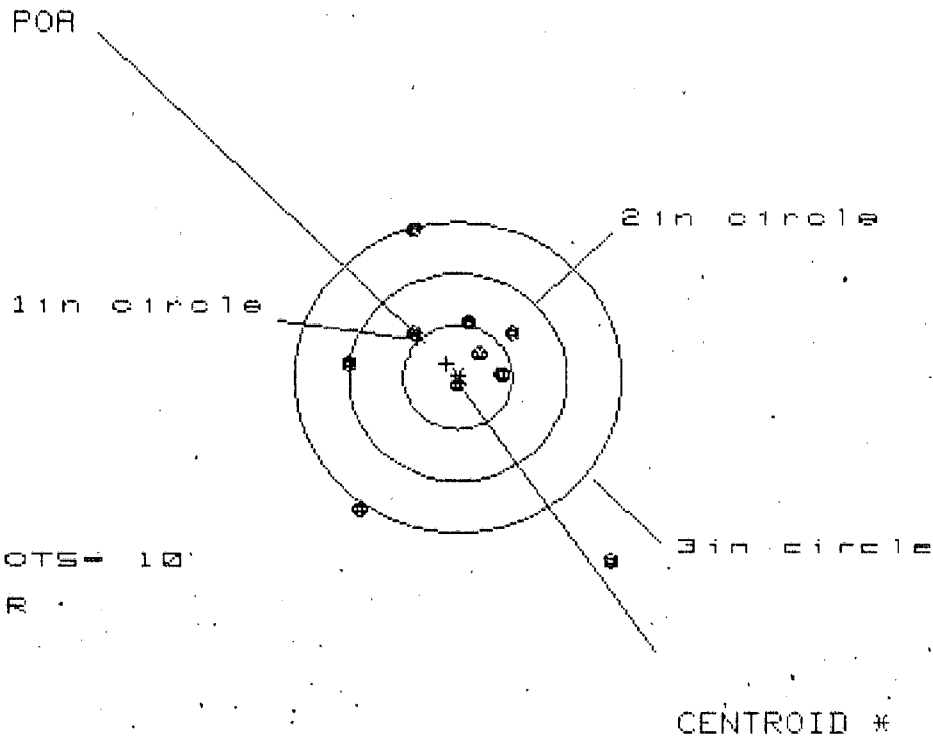
CENTROID *

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	.862
MINIMUM X	-.585
MAXIMUM Y	1.033
MINIMUM Y	-1.414
CENTROID X	-.054
CENTROID Y	.196
POA TO CENTROID in.	.203
MIN RADIUS	.408
MEAN RADIUS	.833
MAX RADIUS	1.530
HORIZONTAL SPREAD	1.447
VERTICAL SPREAD	2.447
EXTREME SPREAD	2.457
NUMBER IN ONE INCH CIRCLE	= 1
NUMBER IN TWO INCH CIRCLE	= 8
NUMBER IN THREE INCH CIRCLE	= 9

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 8

HS = 2.398

VS = 3.155

GS = 3.641

PATTERN #

3

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.435

.656

.563

MINIMUM X

-.963

-.804

-.897

MAXIMUM Y

1.392

1.196

1.008

MINIMUM Y

-1.763

-1.501

-.498

CENTROID X

.103

-.056

.037

CENTROID Y

-.130

.066

.254

POA TO CENTROID in.

.166

.087

.256

MIN RADIUS

.117

.287

.220

MEAN RADIUS

.890

.715

.563

MAX RADIUS

2.273

1.676

1.057

HORIZONTAL SPREAD

2.398

1.460

1.460

VERTICAL SPREAD

3.155

2.697

1.506

EXTREME SPREAD

3.641

2.747

1.551

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

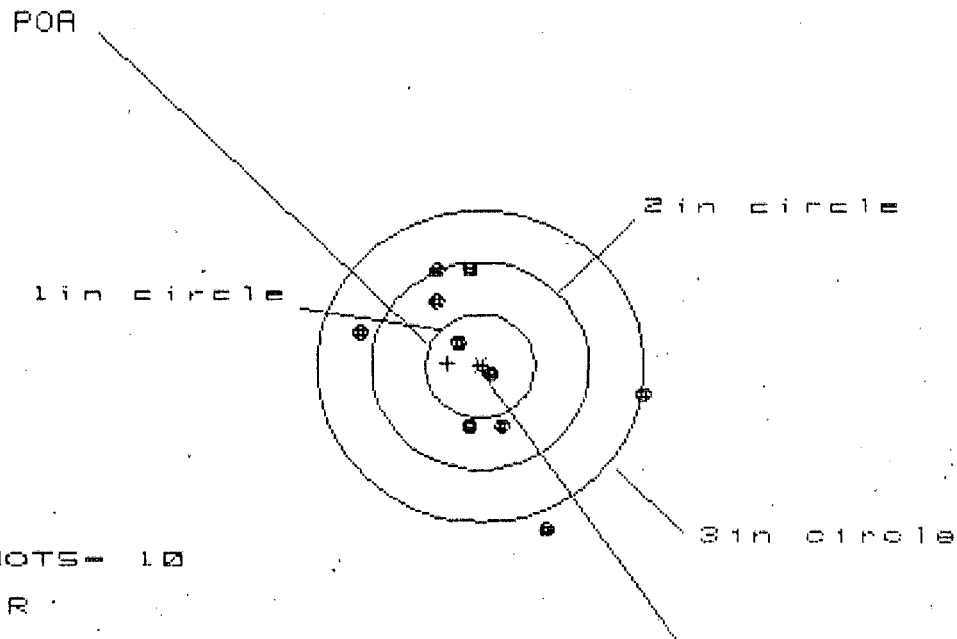
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FILE:/PATTERNING/CENTERFIRE_PATT/C6587616

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 2.674

VS= 2.552

GS= 2.731

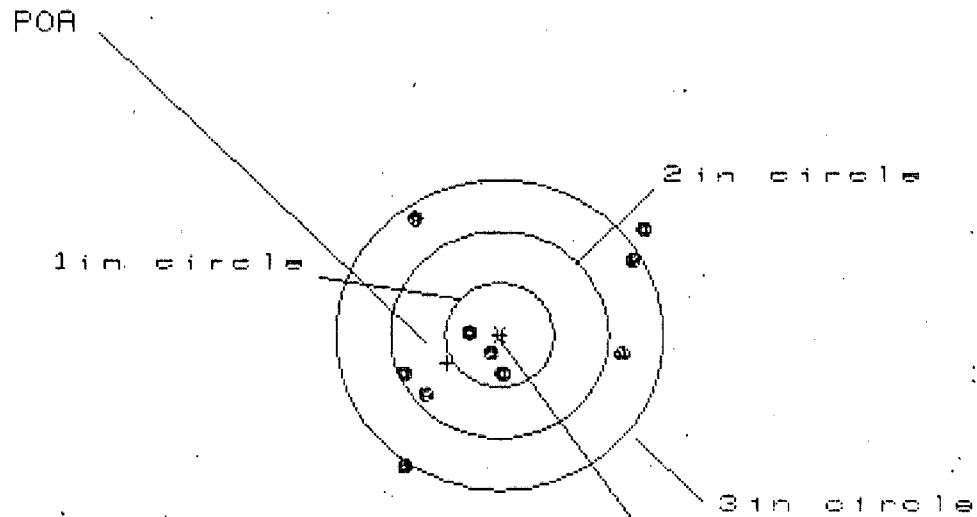
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.537	1.607	.445
MINIMUM X	:	-1.137	-1.067	-.866
MAXIMUM Y	:	.967	.791	.741
MINIMUM Y	:	-1.585	-.788	-.838
CENTROID X	:	.301	.231	.030
CENTROID Y	:	-.029	.147	.197
POA TO CENTROID in.	:	.302	.273	.199
MIN RADIUS	:	.123	.113	.104
MEAN RADIUS	:	.888	.776	.646
MAX RADIUS	:	1.705	1.657	.933
HORIZONTAL SPREAD	:	2.674	2.674	1.311
VERTICAL SPREAD	:	2.552	1.579	1.579
EXTREME SPREAD	:	2.731	2.731	1.621
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 5



PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.317	1.322	1.235
MINIMUM X	-.905	-.758	-.845
MAXIMUM Y	1.159	1.271	1.126
MINIMUM Y	-1.272	-1.160	-.617
CENTROID X	.479	.332	.419
CENTROID Y	.273	.161	.306
POA TO CENTROID in.	.551	.369	.519
MIN RADIUS	.215	.097	.190
MEAN RADIUS	.978	.851	.819
MAX RADIUS	1.661	1.567	1.418
HORIZONTAL SPREAD	2.222	2.080	2.080
VERTICAL SPREAD	2.431	2.431	1.743
EXTREME SPREAD	3.142	2.840	2.347
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	