

C6636110

MODEL 760™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

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

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

MODEL 700TM H24

SERIAL NO. C6636110

ORDER NO. 5716

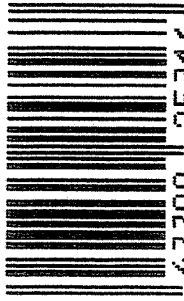
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6636110

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636110

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 2	9 1	RW
600	Proof	5 2	9 1	RW
607	Check Headspace	5 2	9 1	RW
610	Dis-assemble Gun	5 2	9 1	RW
612	Magnaflux Barrel Action	5 8	9 1	KCR
	Magnaflux Bolt	5 8	9 1	KCR
615	Rollmark Caliber	5 8	9 1	GS.
617	Drill and Tap Sight Holes	5 15	9 1	LB
618	Polish Barrel	5 15	9 1	LB
620	Apply Coatings (Barrel Action)		5/30/91	HA
	Apply Coating (Bolt)		5/30/91	HA
625	Final Assembly A) Clean inside of Bolt Assembly		5/30/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/30/91	RW
	C) Inspect Ejector Hole for Chamfer		5/30/91	RW
	D) Oil Firing Pin Ass'y		5/30/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/31/91	HA

op. #	BARBER M24 0037824	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/31/91	SL
	G) Safety Off Force	4	4	4			6/31/91	SL
	H) Trigger Pull Test & Retainability						5/31/91	SL
	I) Firing Pin Indent	.0205	.020	.020			5/31/91	SL
	J) Assemble Stock						6/1/91	RW
	K) Assemble Swivel Studs						6-8-91	D/H
	L) Attach Front and Rear Sight Assemblies						6/1/91	RW
	M) Iron Sight Alignment						6/1/91	RW
	N) Detach Front & Rear Sights & place in numbered container						6/1/91	RW
	O) Attach Scope to Rifle						6/1/91	RW
	P) Detach & Attach Scope 20 Times						6/1/91	RW
640	Gallery Target & Test						6/3/91	KF
	A) Time							KF
	B) Malfunctions							KF
	C) Pierced Primers							KF
	D) Optical Clarity of Scope							KF
645	Inspect for Live Ammo						6/3/91	KF
655	Final Inspection							
	A) Headspace						6-8-91	D/H
	B) Trigger Pull	2.30	2.56	2.39	2.46	2.41	6-8-91	SL
	C) Function						6-8-91	D/H
660	Pack						6-20-91	AF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636110

DATE 5/31/91

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.15	2.50	2.56	2.30	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.66	2.48	2.56	
PULL #3	2.45	2.62	2.53	2.39	
PULL #4	2.45	2.39	2.50	2.46	
PULL #5	2.36	2.54	2.50	2.41	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.37	3.56		
PULL #2	3.45	3.44		
PULL #3	3.42	3.55		
PULL #4	3.47	3.55		
PULL #5	3.35	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	4.20	4.30		4.40
PULL #2	4.25	4.36		4.36
PULL #3	4.29	4.35		4.33
PULL #4	4.26	4.48		4.45
PULL #5	4.30	4.34		4.43
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636110
3 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.0480208
1 TO	2	.0945939
1 TO	3	.313747
1 TO	4	.303318
1 TO	5	.534627

←----POA

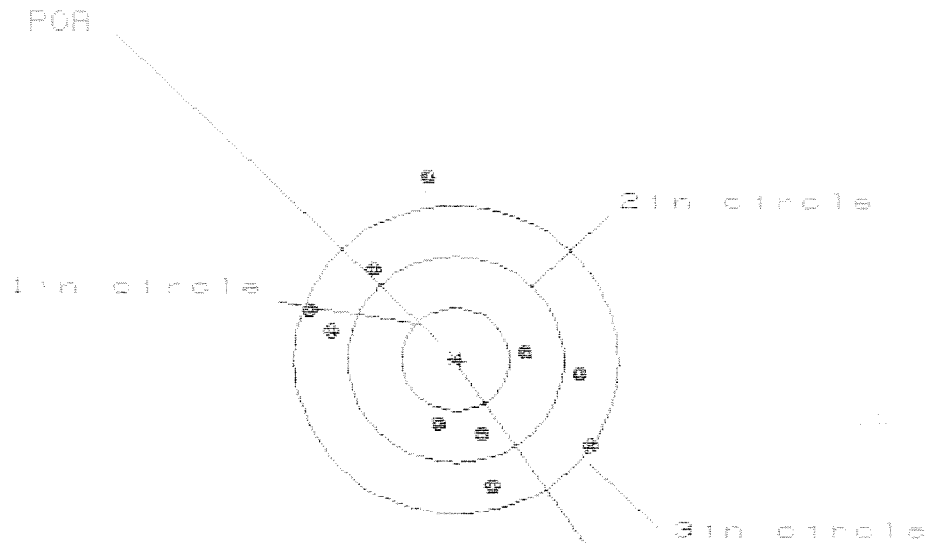
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .156
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1198
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .196693

THE AMR FOR THIS RIFLE IS: 1.019

3 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636110

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 0

2in = 3

3in = 8

HS= 2.599

VS= 3.003

GS= 3.067

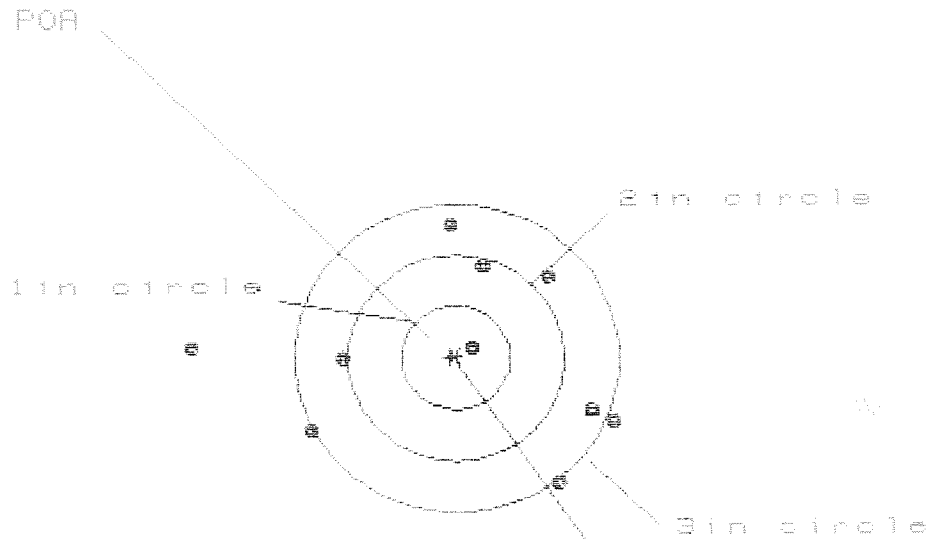
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.271	1.242	1.297
MINIMUM X	-1.320	-1.357	-1.202
MAXIMUM Y	1.793	1.035	.956
MINIMUM Y	-1.210	-1.011	-1.090
CENTROID X	-.041	-.012	-.167
CENTROID Y	.025	-.174	-.095
POA TO CENTROID in.	.048	.175	.193
MIN RADIUS	.610	.446	.473
MEAN RADIUS	1.147	1.036	1.000
MAX RADIUS	1.812	1.517	1.342
HORIZONTAL SPREAD	2.599	2.599	2.499
VERTICAL SPREAD	3.003	2.046	2.046
EXTREME SPREAD	3.067	2.910	2.575
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	8		

3 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6536110

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 1

2in = 2

3in = 7

HE = 3.951

VS = 2.494

GS = 4.019

CENTROID #

PATTERN #

2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.481	1.206	1.136
MINIMUM X	-2.470	-1.591	-1.440
MAXIMUM Y	1.254	1.267	1.191
MINIMUM Y	-1.240	-1.227	-1.303
CENTROID X	.051	.326	.175
CENTROID Y	.003	-.010	.066
POA TO CENTROID in.	.051	.326	.187
MIN RADIUS	.149	.176	.018
MEAN RADIUS	1.300	1.140	1.085
MAX RADIUS	2.473	1.719	1.613
HORIZONTAL SPREAD	3.951	2.797	2.576
VERTICAL SPREAD	2.494	2.494	2.494
EXTREME SPREAD	4.019	2.797	2.666
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		2	
NUMBER IN THREE INCH CIRCLE =		7	

3 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06696110

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 12

IN CIR

1in = 1

2in = 7

3in = 10

HS= 2.414

VS= 2.093

GS= 2.467

PATTERN

3

SHOTS (BEST OF)

	10	9	8
MAXIMUM X	1.070	.921	.921
MINIMUM X	-1.344	-.836	-.836
MAXIMUM Y	1.323	1.294	1.029
MINIMUM Y	-.770	-.799	-.637
CENTROID X	.168	.317	.317
CENTROID Y	-.209	-.180	-.342
POA TO CENTROID in.	.268	.365	.466
MIN RADIUS	.292	.384	.349
MEAN RADIUS	.878	.812	.729
MAX RADIUS	1.368	1.294	1.059
HORIZONTAL SPREAD	2.414	1.757	1.757
VERTICAL SPREAD	2.093	2.093	1.666
EXTREME SPREAD	2.467	2.182	1.911
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	10	

3 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6698110

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 4

2in = 7

3in = 8

HS= 4.044

VS= 2.605

GS= 4.091

CENTROID *

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

2.409

1.681

.510

MINIMUM X

-1.635

-1.368

-.834

MAXIMUM Y

1.178

1.019

.898

MINIMUM Y

-1.427

-.965

-.606

CENTROID X

.238

-.029

.142

CENTROID Y

-.094

.065

.186

POA TO CENTROID in.

.256

.071

.234

MIN RADIUS

.102

.215

.207

MEAN RADIUS

.946

.727

.551

MAX RADIUS

2.800

1.674

1.030

HORIZONTAL SPREAD

4.044

2.049

1.344

VERTICAL SPREAD

2.605

1.984

1.504

EXTREME SPREAD

4.091

2.566

1.765

NUMBER IN ONE INCH CIRCLE =

4

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

8

3 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636110

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 9

3 in = 9

HS= 1.972

VS= 2.151

GS= 2.918

CENTROID #

PATTERN

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID in.

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE =

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

10

9

8

.526

.366

.379

-1.446

-.917

-.971

1.338

1.002

.919

-.813

-.664

-.561

.364

.524

.478

-.324

-.473

-.390

.487

.706

.617

.417

.198

.290

.826

.629

.629

1.970

1.003

.923

1.972

1.293

1.250

2.151

1.666

1.480

2.918

1.696

1.549

2

9

9