

C6636116

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.



Remington®

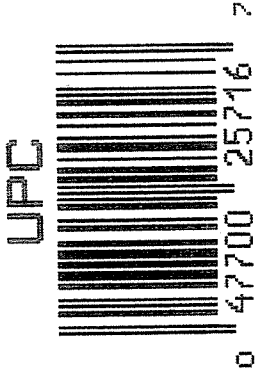
MODEL 700™ H24

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

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

DUPONT
REG. U.S. PAT. & T.M. OFF.

SERIAL NO. C6636116	20
ORDER NO. 5716	



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636116

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		4/9/91	KS
600	Proof		4/9/91	KS
607	Check Headspace		4/9/91	KS
610	Dis-assemble Gun		4/9/91	KS
612	Magnaflux Barrel Action		4/10/91	KR
	Magnaflux Bolt	ADD	1 9 1991	LI
615	Rollmark Caliber		APR 1 9 1991	LS
617	Drill and Tap Sight Holes		APR 1 9 1991	LB
618	Polish Barrel		APR 1 9 1991	WB
620	Apply Coatings (Barrel Action)		5-10-91	TH
	Apply Coating (Bolt)		5-10-91	TH
625	Final Assembly A) Clean inside of Bolt Assembly		5-22-91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5-22-91	KS
	C) Inspect Ejector Hole for Chamfer		5-22-91	KS
	D) Oil Firing Pin Ass'y		5-22-91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		5-23-91	DH

op. #	BARBER M24 0037890	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5-23-91	D/H
	G) Safety Off Force	3	2 1/2	2			5-23-91	D/H
	H) Trigger Pull Test & Retainability						5-23-91	D/H
	I) Firing Pin Indent	.021	.021	.021			5-23-91	D/H
	J) Assemble Stock						5/23/91	KS
	K) Assemble Swivel Studs						5-23-91	D/H
	L) Attach Front and Rear Sight Assemblies						5/23/91	KS
	M) Iron Sight Alignment						5/23/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/23/91	KS
	O) Attach Scope to Rifle						5/23/91	KS
	P) Detach & Attach Scope 20 Times						5/23/91	KS
640	Gallery Target & Test						5-24-91	N
	A) Time						"	N
	B) Malfunctions						"	N
	C) Pierced Primers						"	N
	D) Optical Clarity of Scope						"	N
645	Inspect for Live Ammo						5-24-91	N
655	Final Inspection							
	A) Headspace						6-1-91	D/H
	B) Trigger Pull	2.47	2.46	2.57	2.59	2.58	6/1/91	D/H
	C) Function						6-1-91	D/H
660	Pack						6-20-91	N

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + 50#

3.00# + 75#

4.00# + 100#

SERIAL NO. C6636115DATE 5-23-91TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.72	2.68	2.49	2.47	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.65	2.67	2.62	2.46	
PULL #3	2.66	2.36	2.60	2.57	
PULL #4	2.69	2.56	2.46	2.59	
PULL #5	2.59	2.60	2.63	2.58	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.52	3.46		
PULL #2	3.51	3.55		
PULL #3	3.13	3.46		
PULL #4	3.46	3.51		
PULL #5	3.41	3.56		
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	4.21		4.34
PULL #2	4.27	4.21		4.39
PULL #3	4.14	4.29		4.38
PULL #4	4.22	4.26		3.74
PULL #5	4.394	4.34		4.26
TOTAL				
AVG.				

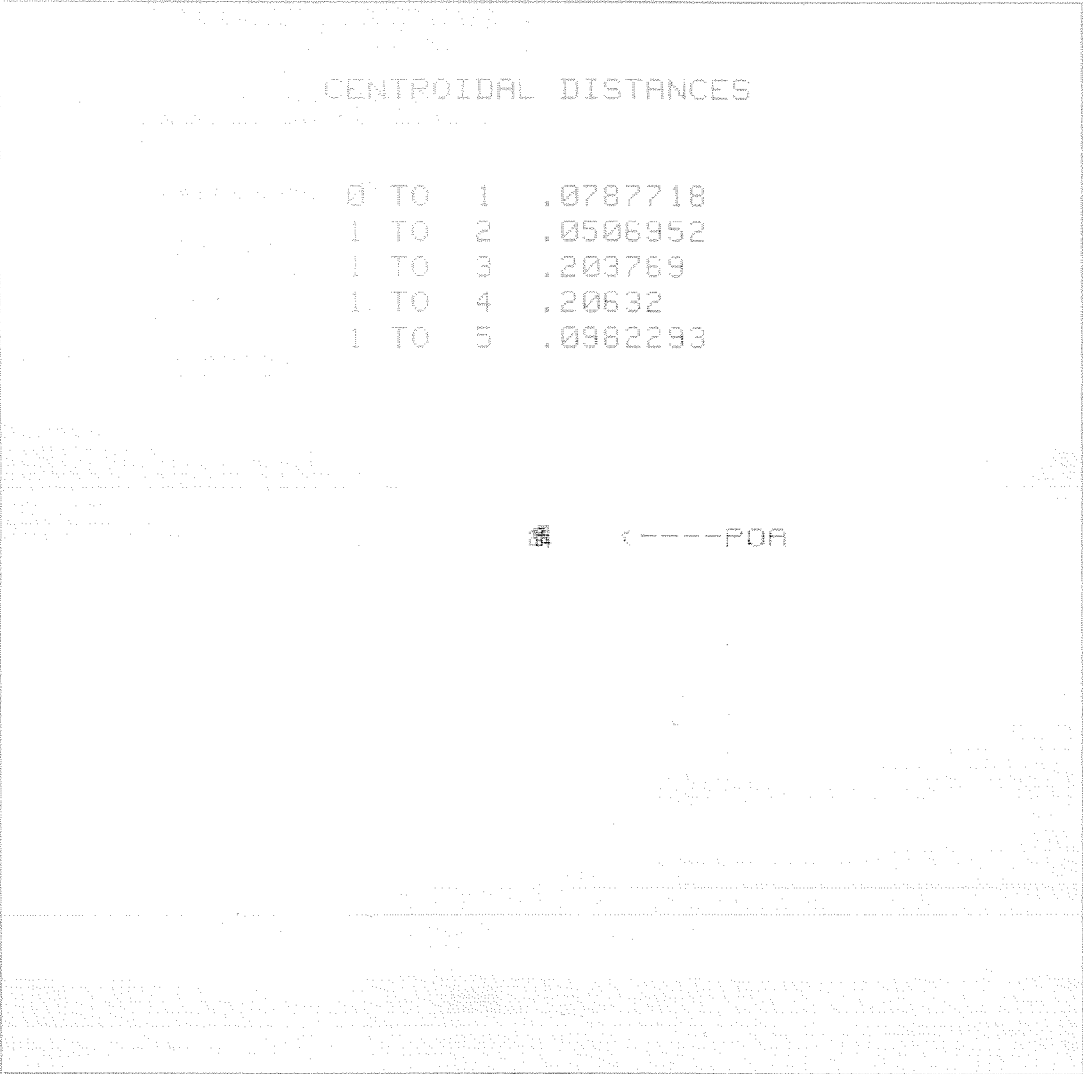
CENTROIDAL DISTANCE CALCULATIONS

FOR RIFLE # C6636116

24 Mar 1991

CENTROIDAL DISTANCES

0 TO	1	.0787718
1 TO	2	.0506952
1 TO	3	.203769
1 TO	4	.20632
1 TO	5	.0982293


 6636116 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.003

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0078

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .00835793

THE AMR FOR THIS RIFLE IS: 1.05

24 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636116

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 3

3 in = 5

HS= 4.128

VS= 3.672

GS= 4.986

CENTROID #

PATTERN #

1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.285	1.625	1.520
MINIMUM X	-1.843	-1.589	-1.694
MAXIMUM Y	2.185	2.020	.797
MINIMUM Y	-1.487	-1.043	-.791
CENTROID X	-.074	-.328	-.223
CENTROID Y	-.027	.138	-.114
POA TO CENTROID in.	.079	.355	.251
MIN RADIUS	.186	.162	.255
MEAN RADIUS	1.449	1.296	1.160
MAX RADIUS	2.726	2.185	1.701
HORIZONTAL SPREAD	4.128	3.214	3.214
VERTICAL SPREAD	3.672	3.063	1.588
EXTREME SPREAD	4.986	3.610	3.286
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		5	

24 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636116

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 2

2in = 3

3in = 8

HS = 2.063

VS = 3.043

GS = 3.043

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.120
MINIMUM X	:	-0.943
MAXIMUM Y	:	1.504
MINIMUM Y	:	-1.539
CENTROID X	:	-0.123
CENTROID Y	:	-0.014
POA TO CENTROID in.	:	0.124
MIN RADIUS	:	0.121
MEAN RADIUS	:	1.034
MAX RADIUS	:	1.541
HORIZONTAL SPREAD	:	2.063
VERTICAL SPREAD	:	3.043
EXTREME SPREAD	:	3.043
NUMBER IN ONE INCH CIRCLE	=	2
NUMBER IN TWO INCH CIRCLE	=	3
NUMBER IN THREE INCH CIRCLE	=	8

24 May 1991

FILE:/PATTERNING/CENTERFIRE PATT/C6636116

CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 7

HS = 3.553

VS = 3.554

GS = 3.555

CENTROID *

PATTERN #

3

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.630

1.527

1.409

MINIMUM X

-1.923

-1.950

-1.885

MAXIMUM Y

1.559

1.337

1.860

MINIMUM Y

-1.995

-1.259

-1.092

CENTROID X

.075

.178

.296

CENTROID Y

.112

.334

.167

POA TO CENTROID in.

.135

.378

.340

MIN RADIUS

.286

.215

.168

MEAN RADIUS

1.051

.879

.773

MAX RADIUS

2.199

1.663

1.492

HORIZONTAL SPREAD

2.553

2.477

2.294

VERTICAL SPREAD

3.554

2.596

1.952

EXTREME SPREAD

3.555

3.180

2.297

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

7

24 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636116

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 2.393

VS= 2.247

GS= 2.423

PATTERN #	:	4
SHOTS (BEST OF)	:	10
MAXIMUM X	:	.685
MINIMUM X	:	-1.708
MAXIMUM Y	:	1.511
MINIMUM Y	:	-.736
CENTROID X	:	.124
CENTROID Y	:	-.085
POA TO CENTROID in.	:	.150
MIN RADIUS	:	.304
MEAN RADIUS	:	.864
MAX RADIUS	:	1.708
HORIZONTAL SPREAD	:	2.393
VERTICAL SPREAD	:	2.247
EXTREME SPREAD	:	2.423
NUMBER IN ONE INCH CIRCLE	=	2
NUMBER IN TWO INCH CIRCLE	=	7
NUMBER IN THREE INCH CIRCLE	=	8

24 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636116

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 8

HS= 3.495

VS= 1.626

GS= 3.533

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

-1.610

-1.400

-1.285

MINIMUM X

-1.885

-1.784

-1.609

MAXIMUM Y

.627

.640

.649

MINIMUM Y

-.999

-.986

-.906

CENTROID X

-.017

.192

.017

CENTROID Y

.053

.040

-.040

POA TO CENTROID in.

.056

.196

.043

MIN RADIUS

.076

.219

.170

MEAN RADIUS

.853

.780

.634

MAX RADIUS

1.889

1.539

1.291

HORIZONTAL SPREAD

3.495

2.184

1.894

VERTICAL SPREAD

1.626

1.626

1.555

EXTREME SPREAD

3.533

2.255

1.924

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

8