

06587632

MODEL 700™ M24

Model SMS™

Action /

Barrel Length

Capacity

Order No. 5715

* Includes 1 in chamber.



Remington
MODEL 700™ H24

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

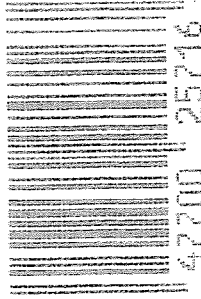
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO. C6587632

ORDER NO. 5716

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

LPC



0 4700 25716 2



5716 C6587632

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587632

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		"	KR
615	Rollmark Caliber		"	JA
617	Drill and Tap Sight Holes		11/5/90	FB
618	Polish Barrel RWB		11/6/90	WB
620	Apply Coatings (Barrel Action)		11-26-90	JA
	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		1/3/91	DH

Op. #	BARBER - M24 0024099	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	1/3/91	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	1/3/91	WB
	H) Trigger Pull Test & Retainability						4/3/91	DLT
	I) Firing Pin Indent	.020	.0205	.0203			1/3/91	WB
	J) Assemble Stock						1/16/91	RW
	K) Assemble Swivel Studs						1-12-91	JP
	L) Attach Front and Rear Sight Assemblies						1/16/91	RW
	M) Iron Sight Alignment						1/16/91	RW
	N) Detach Front & Rear Sights & place in numbered container						1/16/91	RW
	O) Attach Scope to Rifle						1/16/91	RW
	P) Detach & Attach Scope 20 Times						1/16/91	RW
640	Gallery Target & Test						1-16-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						1-16-91	NF
655	Final Inspection							
	A) Headspace						1-17-91	JP
	B) Trigger Pull	2.43	2.31	2.32	2.34	2.33	1-17-91	JP
	C) Function						1-17-91	JP
660	Pack						3-19-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587632

DATE 1-3-91

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.64	2.51	2.64	2.43	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.66	2.53	2.44	2.31	
PULL #3	2.63	2.53	2.59	2.32	
PULL #4	2.62	2.56	2.59	2.34	
PULL #5	2.51	2.57	2.42	2.33	
TOTAL	13.06	12.70	12.68		
AVG.	2.61	2.54	2.53		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.21	3.15		
PULL #2	3.25	3.15		
PULL #3	3.18	3.06		
PULL #4	3.11	3.02		
PULL #5	3.14	3.16		
TOTAL	15.89	15.54		
AVG.	3.17	3.10		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.16	4.28		4.34
PULL #2	4.25	4.19		4.38
PULL #3	4.36	4.07		4.27
PULL #4	4.01	4.19		4.28
PULL #5	4.25	4.13		4.13
TOTAL	21.03	20.86		21.40
AVG.	4.20	4.17		4.28

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587632
17 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.0447214
1 TO	2	.249128
1 TO	3	.102416
1 TO	4	.101045
1 TO	5	.0596825

32 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0796
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0492
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0935778
THE AMR FOR THIS RIFLE IS: 1.077

17 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06587632

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 8

HS= 1.941

VS= 3.038

GS= 3.139

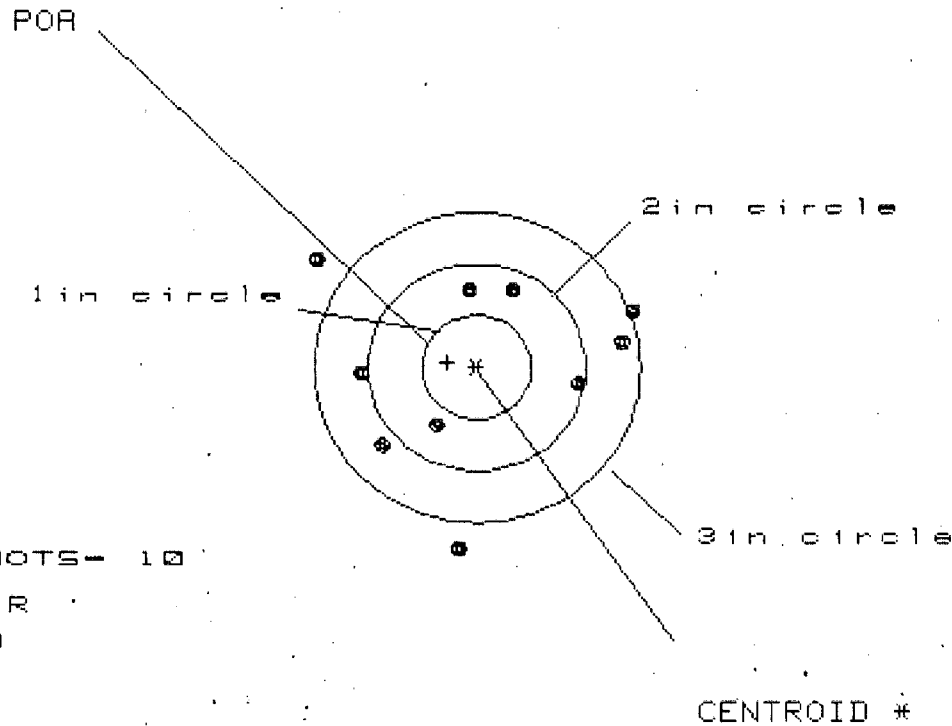
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.952	.842	.803
MINIMUM X	-.989	-.720	-.759
MAXIMUM Y	1.495	1.324	.983
MINIMUM Y	-1.543	-1.136	-.971
CENTROID X	.020	.130	.169
CENTROID Y	-.040	.131	-.034
POA TO CENTROID in.	.045	.185	.172
MIN RADIUS	.045	.184	.171
MEAN RADIUS	.976	.889	.816
MAX RADIUS	1.833	1.359	1.041
HORIZONTAL SPREAD	1.941	1.562	1.562
VERTICAL SPREAD	3.038	2.460	1.954
EXTREME SPREAD	3.139	2.466	2.023
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

17 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CG587632

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 7

HS= 2.905

VS= 2.769

GS= 3.034

PATTERN #

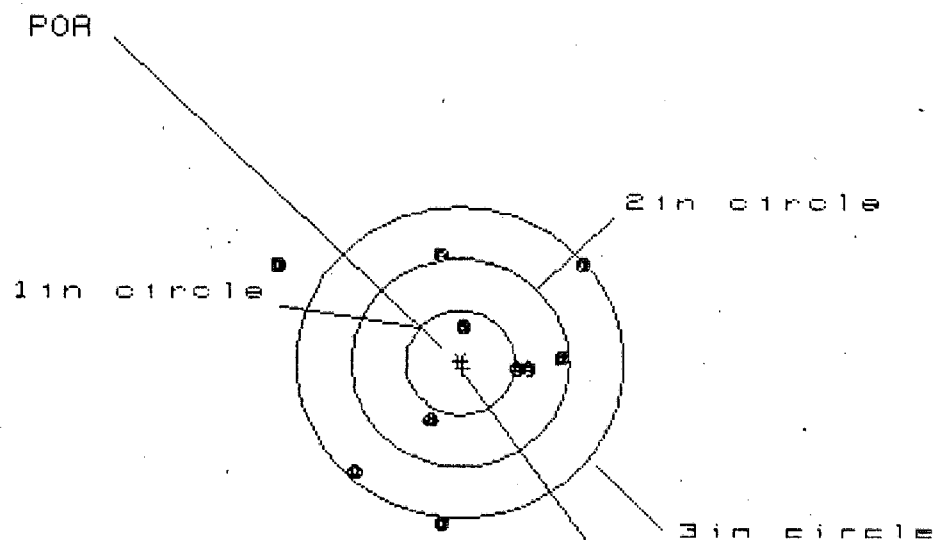
2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.476	1.317	1.273
MINIMUM X	-1.429	-1.239	-1.283
MAXIMUM Y	1.038	.822	.621
MINIMUM Y	-1.731	-1.616	-.855
CENTROID X	.269	.428	.472
CENTROID Y	-.048	-.163	.039
POR TO CENTROID in.	.274	.458	.473
MIN RADIUS	.625	.649	.624
MEAN RADIUS	1.174	1.105	1.010
MAX RADIUS	1.767	1.652	1.381
HORIZONTAL SPREAD	2.905	2.556	2.556
VERTICAL SPREAD	2.769	2.438	1.476
EXTREME SPREAD	3.034	2.804	2.690
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		7	

17 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587632

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.751

VS= 2.623

GS= 2.956

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.126	.945	.903
MINIMUM X	-1.625	-1.155	-1.197
MAXIMUM Y	1.037	1.146	.961
MINIMUM Y	-1.586	-1.477	-1.143
CENTROID X	-.025	.156	.198
CENTROID Y	.052	-.057	.128
POA TO CENTROID in.	.058	.166	.236
MIN RADIUS	.329	.376	.314
MEAN RADIUS	1.040	.911	.806
MAX RADIUS	1.898	1.516	1.655
HORIZONTAL SPREAD	2.751	2.100	2.100
VERTICAL SPREAD	2.623	2.623	2.104
EXTREME SPREAD	2.956	2.902	2.902
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

17 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8587632

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in - 1

2 in - 3

3 in - 8

HS - 2.851

VS - 2.791

GS - 3.150

CENTROID *

PATTERN #

4

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

NUMBER IN TWO

NUMBER IN THREE

10

9

8

1.298

1.196

.989

-1.553

-1.655

-.934

1.570

1.391

1.453

-1.221

-1.046

-.984

.083

.185

.392

-.119

-.294

-.356

.145

.347

.530

.358

.330

.518

1.204

1.114

1.022

1.821

1.728

1.576

2.851

2.851

1.923

2.791

2.437

2.437

3.150

3.016

2.470

=

1

=

3

=

8

17 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587632

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 0

2in = 7

3in = 9

HS = 1.997

VS = 3.352

GS = 3.352

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.895

.911

.931

MINIMUM X

-1.102

-1.086

-1.066

MAXIMUM Y

1.383

1.164

.869

MINIMUM Y

-1.969

-.876

-.731

CENTROID X

.051

.035

.015

CENTROID Y

-.091

.128

-.017

POA TO CENTROID in.

.104

.133

.023

MIN RADIUS

.635

.723

.644

MEAN RADIUS

.990

.871

.817

MAX RADIUS

1.975

1.175

1.077

HORIZONTAL SPREAD

1.997

1.997

1.997

VERTICAL SPREAD

3.352

2.040

1.600

EXTREME SPREAD

3.352

2.069

1.999

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

9