

C6636089

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington®

MODEL 700™ H24

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

DU PONT

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

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

SERIAL NO.
C6636089

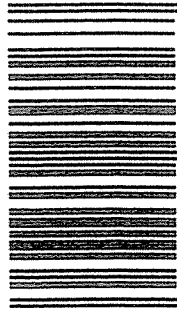
ORDER NO.
5716

46



5716 C6636089

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636089

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	3 28 91	RW
600	Proof		3 28 91	RW
607	Check Headspace		3 28 91	RW
610	Dis-assemble Gun		3 28 91	RW
612	Magnaflux Barrel Action		APR 2 1991	KR
	Magnaflux Bolt		APR 2 1991	"
615	Rollmark Caliber		APR 2 1991	JS
617	Drill and Tap Sight Holes		APR 5 1991	LB
618	Polish Barrel		APR 5 1991	WB
620	Apply Coatings (Barrel Action)		X-15-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/10/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/10/91	RW
	C) Inspect Ejector Hole for Chamfer		4/10/91	RW
	D) Oil Firing Pin Ass'y		4/10/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/12/91	JP

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6 $\frac{1}{2}$	6 $\frac{1}{2}$			4-15-91	DH
	G) Safety Off Force	3	3	3			4-15-91	DH
	H) Trigger Pull Test & Retainability						4/12/91	JL
	I) Firing Pin Indent	020	020	021			4-15-91	DH
	J) Assemble Stock						4/15/91	RW
	K) Assemble Swivel Studs						4-17-91	A
	L) Attach Front and Rear Sight Assemblies						4/15/91	RW
	M) Iron Sight Alignment						4/15/91	RW
	N) Detach Front & Rear Sights & place in numbered container						4/15/91	RW
	O) Attach Scope to Rifle						4/15/91	RW
	P) Detach & Attach Scope 20 Times						4/15/91	RW
640	Gallery Target & Test						4/14/91	RJ
	A) Time							RJ
	B) Malfunctions							RJ
	C) Pierced Primers							RJ
	D) Optical Clarity of Scope							RJ
645	Inspect for Live Ammo						4/16/91	RJ
655	Final Inspection							
	A) Headspace						4-17-91	A
	B) Trigger Pull	2.42	2.45	2.51	2.33	2.46	4/17/91	JL
	C) Function						4-17-91	A
660	Pack						6-18-91	RF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636089

DATE 4/12/91

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.19	2.25	2.29	2.42	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.31	2.32	2.45	
PULL #3	2.52	2.17	2.22	2.51	
PULL #4	2.23	2.26	2.27	2.33	
PULL #5	2.27	2.25	2.27	2.46	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.51	3.42		
PULL #2	3.51	3.41		
PULL #3	3.51	3.57		
PULL #4	3.55	3.56		
PULL #5	3.53	3.50		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.52	4.47		4.44
PULL #2	4.53	4.45		4.52
PULL #3	4.42	4.48		4.58
PULL #4	4.47	4.51		4.44
PULL #5	4.46	4.51		4.50
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636089
16 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.187003
1 TO	2	.445543
1 TO	3	.0902718
1 TO	4	.198338
1 TO	5	.522694

2.45 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1848
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0058
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .184891
THE AMR FOR THIS RIFLE IS: .908

16 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C66350B3

CENTERFIRE PATTERNS

1

POR

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 10

HS = 2.103

VS = 1.690

GS = 2.684

CENTROID *

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.072

.958

1.075

MINIMUM X

-1.030

-.877

-.760

MAXIMUM Y

1.001

.848

.776

MINIMUM Y

-.689

-.578

-.510

CENTROID X

.181

.295

.178

CENTROID Y

.047

-.064

.000

POR TO CENTROID in.

.187

.302

.178

MIN RADIUS

.296

.440

.304

MEAN RADIUS

.905

.851

.794

MAX RADIUS

1.437

1.166

1.087

HORIZONTAL SPREAD

2.103

1.835

1.835

VERTICAL SPREAD

1.690

1.426

1.286

EXTREME SPREAD

2.684

2.250

2.050

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

5

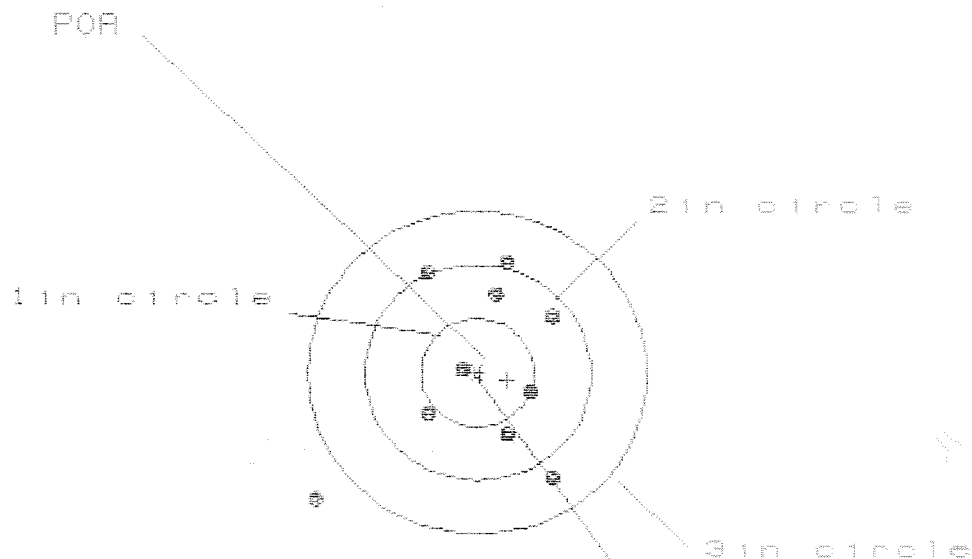
NUMBER IN THREE INCH CIRCLE =

10

16 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C66360B9

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.051

VS= 2.246

GS= 2.806

CENTROID *

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.643	.487	.545
MINIMUM X	-1.407	-.611	-.553
MAXIMUM Y	1.037	.903	.762
MINIMUM Y	-1.209	-1.131	-.891
CENTROID X	-.264	-.108	-.166
CENTROID Y	.069	.203	.344
POA TO CENTROID in.	.273	.230	.382
MIN RADIUS	.154	.317	.337
MEAN RADIUS	.858	.733	.662
MAX RADIUS	1.855	1.221	.905
HORIZONTAL SPREAD	2.051	1.098	1.098
VERTICAL SPREAD	2.246	2.034	1.653
EXTREME SPREAD	2.806	2.163	1.661
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

16 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C66380B9

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 8

HS= 1.864

VS= 2.373

GS= 2.815

CENTROID *

PATTERN #

3

SHOTS (BEST OF)

10

9

8

MAXIMUM X	: .992	1.089	.787
MINIMUM X	: -.872	-.775	-.639
MAXIMUM Y	: 1.467	1.335	.929
MINIMUM Y	: -.986	-.743	-.577
CENTROID X	: .238	.141	.005
CENTROID Y	: -.023	-.186	-.333
POA TO CENTROID in.	: .239	.233	.353
MIN RADIUS	: .381	.256	.197
MEAN RADIUS	: .944	.808	.629
MAX RADIUS	: 1.709	1.723	1.092
HORIZONTAL SPREAD	: 1.864	1.864	1.426
VERTICAL SPREAD	: 2.373	2.078	1.505
EXTREME SPREAD	: 2.815	2.648	1.797
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

18 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636089

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 2.236

VS= 2.090

GS= 2.385

PATTERN #	:	4
SHOTS (BEST OF)	:	10
MAXIMUM X	:	.913
MINIMUM X	:	-1.323
MAXIMUM Y	:	.853
MINIMUM Y	:	-1.237
CENTROID X	:	.068
CENTROID Y	:	-.116
POA TO CENTROID in.	:	.134
MIN RADIUS	:	.383
MEAN RADIUS	:	.800
MAX RADIUS	:	1.362
HORIZONTAL SPREAD	:	2.236
VERTICAL SPREAD	:	2.090
EXTREME SPREAD	:	2.385
NUMBER IN ONE INCH CIRCLE	=	3
NUMBER IN TWO INCH CIRCLE	=	7
NUMBER IN THREE INCH CIRCLE	=	10

(B Apr 1991)

FILE:/PATTERNING/CENTERFIRE PATT/C6B360B3

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS = 2.903

VS = 2.589

GS = 3.368

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.961	1.886	1.887
MINIMUM X	-.942	-.725	-.489
MAXIMUM Y	1.220	1.321	1.279
MINIMUM Y	-1.369	-1.268	-1.310
CENTROID X	.701	.484	.248
CENTROID Y	-.006	-.107	-.065
POA TO CENTROID in.	.701	.495	.256
MIN RADIUS	.221	.029	.068
MEAN RADIUS	1.033	.799	.583
MAX RADIUS	2.164	1.916	1.513
HORIZONTAL SPREAD	2.903	2.611	1.296
VERTICAL SPREAD	2.589	2.589	2.589
EXTREME SPREAD	3.368	2.730	2.730
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	8	