

C6611514

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



Remington[®] **DU PONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700TM H24

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

SERIAL NO.
C6611514

ORDER NO.
5716

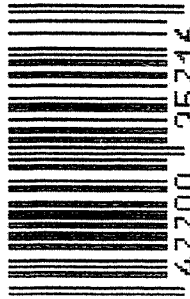
20

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



5716 C6611514

UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611514

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 25	91	RW
600	Proof	3 25	91	RW
607	Check Headspace	3 25	91	RW
610	Dis-assemble Gun	3 25	91	RW
612	Magnaflux Barrel Action	3 28	91	KR
	Magnaflux Bolt	3 28	91	Y
615	Rollmark Caliber	3 28	91	YB
617	Drill and Tap Sight Holes	APR	3 1991	LB
618	Polish Barrel	APR	3 1991	LB
620	Apply Coatings (Barrel Action)		4-11-91	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/16/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/16/91	RW
	C) Inspect Ejector Hole for Chamfer		4/16/91	RW
	D) Oil Firing Pin Ass'y		4/16/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/8/91	JP

op. #	BARBER M24 0078073	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	5	5			5-9-91	DH
	G) Safety Off Force	4	4	4			5-9-91	DH
	H) Trigger Pull Test & Retainability						5/8/91	JK
	I) Firing Pin Indent	.021	.021	.021			5-9-91	DH
	J) Assemble Stock						5/9/91	RW
	K) Assemble Swivel Studs						5-18-91	A
	L) Attach Front and Rear Sight Assemblies						5/9/91	RW
	M) Iron Sight Alignment						5/9/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/9/91	RW
	O) Attach Scope to Rifle						5/9/91	RW
	P) Detach & Attach Scope 20 Times						5/9/91	RW
640	Gallery Target & Test						5-11-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						5-11-91	AF
655	Final Inspection							
	A) Headspace						5-18-91	A
	B) Trigger Pull	2.47	2.44	2.34	2.45	2.44	5/13/91	JK
	C) Function						5-18-91	AC
660	Pack						6-18-91	AF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6611514DATE 5/8/91TESTER JM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & 12 TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.27	2.20	2.47	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.27	2.31	2.25	2.44	
PULL #3	2.24	2.28	2.29	2.34	
PULL #4	2.34	2.30	2.31	2.45	
PULL #5	2.30	2.25	2.31	2.44	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.56		
PULL #2	3.59	3.57		
PULL #3	3.44	3.60		
PULL #4	3.41	3.55		
PULL #5	3.52	3.60		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.36		4.38
PULL #2	4.35	4.17		4.29
PULL #3	4.23	4.27		4.30
PULL #4	4.24	4.21		4.28
PULL #5	4.20	4.36		4.30
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06611514
11 May 1991

CENTROIDAL DISTANCES

Ø TO	1	.169446
1 TO	2	.35805
1 TO	3	.131217
1 TO	4	.0955249
1 TO	5	.236163

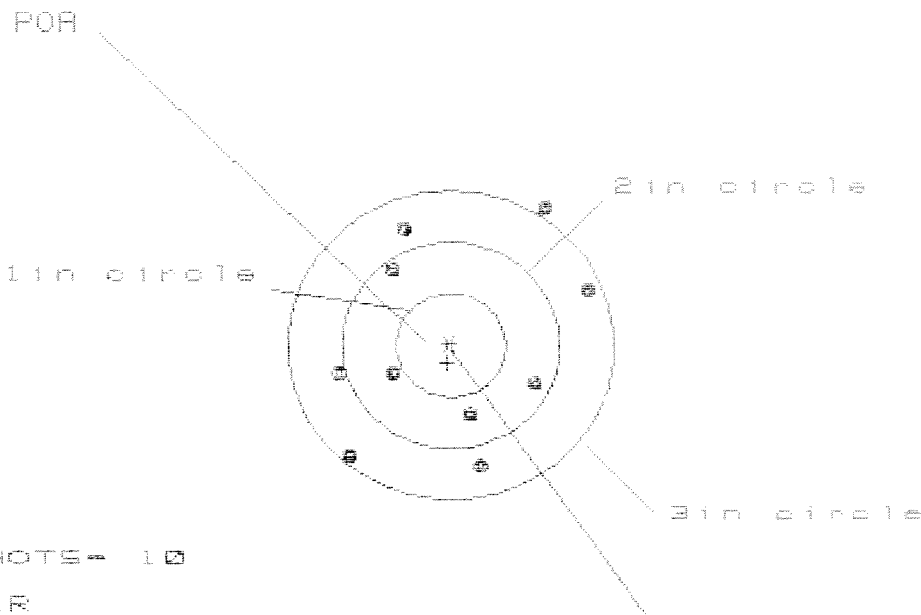
←----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .03
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0244
THE RESULTING AVERAGE POI RANGE FOR THIS RIFLE IS: .0336699
THE AMR FOR THIS RIFLE IS: 1.006

11 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611514

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 0

2in = 4

3in = 9

HS = 0.289

VS = 2.456

GS = 2.974

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.258	1.357	1.254
MINIMUM X	-1.031	-0.932	-1.036
MAXIMUM Y	1.288	1.271	1.156
MINIMUM Y	-1.168	-1.025	-1.140
CENTROID X	.034	-.065	.038
CENTROID Y	.166	.022	.137
POR TO CENTROID in.	.169	.069	.142
MIN RADIUS	.545	.406	.539
MEAN RADIUS	1.081	.998	.976
MAX RADIUS	1.568	1.534	1.389
HORIZONTAL SPREAD	2.289	2.289	2.289
VERTICAL SPREAD	2.456	2.296	2.296
EXTREME SPREAD	2.974	2.730	2.442
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

11 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611514

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 9

HS = 2.784

VS = 2.698

GS = 3.695

CENTROID *

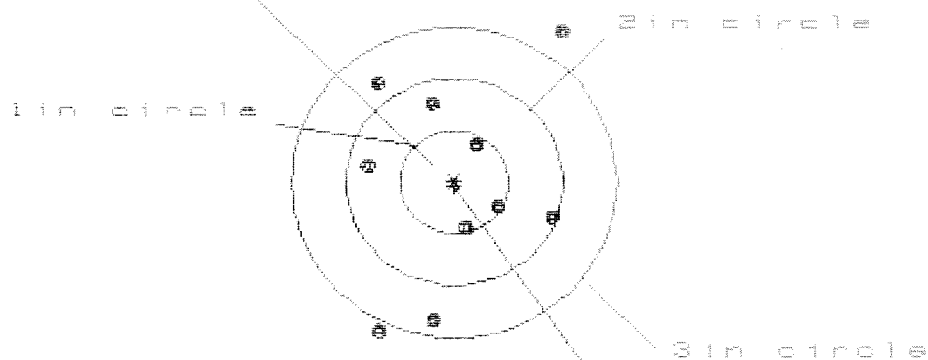
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.890	1.225	1.187
MINIMUM X	:	-.894	-.684	-.722
MAXIMUM Y	:	1.137	.963	.765
MINIMUM Y	:	-1.561	-1.581	-.543
CENTROID X	:	.040	-.170	-.132
CENTROID Y	:	-.192	-.018	.179
POA TO CENTROID in.	:	.196	.171	.223
MIN RADIUS	:	.441	.410	.290
MEAN RADIUS	:	1.145	.937	.825
MAX RADIUS	:	2.451	1.610	1.277
HORIZONTAL SPREAD	:	2.784	1.909	1.989
VERTICAL SPREAD	:	2.698	2.544	1.389
EXTREME SPREAD	:	3.695	2.544	2.079
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

11 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08811514

CENTERFIRE PATTERNS # 3

POA



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 8

CENTROID #

HS= 1.843

VS= 2.898

GS= 3.386

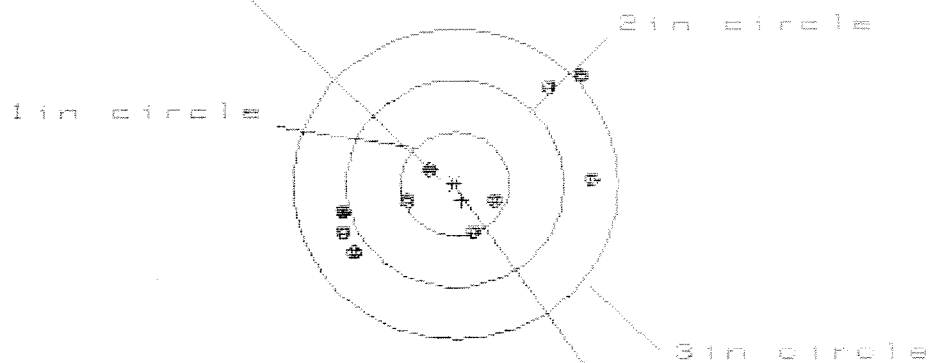
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.846
MINIMUM X	-0.797
MAXIMUM Y	1.488
MINIMUM Y	-1.410
CENTROID X	.001
CENTROID Y	.039
POA TO CENTROID in.	.039
MIN RADIUS	.428
MEAN RADIUS	.981
MAX RADIUS	1.819
HORIZONTAL SPREAD	1.843
VERTICAL SPREAD	2.898
EXTREME SPREAD	3.386
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	8

11 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CGB11514

CENTERFIRE PATTERNS # 4

POA



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 4

3 in = 9

HS= 2.257

VS= 1.688

GS= 2.741

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.213	1.345	1.465
MINIMUM X	:	-1.044	-.912	-.792
MAXIMUM Y	:	1.047	1.065	.365
MINIMUM Y	:	-.641	-.525	-.392
CENTROID X	:	-.061	-.193	-.313
CENTROID Y	:	.156	.040	-.093
POA TO CENTROID in.	:	.167	.197	.327
MIN RADIUS	:	.309	.278	.208
MEAN RADIUS	:	.907	.797	.694
MAX RADIUS	:	1.588	1.433	1.498
HORIZONTAL SPREAD	:	2.257	2.257	2.257
VERTICAL SPREAD	:	1.688	1.590	.757
EXTREME SPREAD	:	2.741	2.395	2.290
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

11 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8811514

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 3

2in = 5

3in = 8

HS = 2.827

VS = 2.985

GS = 3.175

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.817
MINIMUM X	-1.110
MAXIMUM Y	1.366
MINIMUM Y	-1.619
CENTROID X	.136
CENTROID Y	-.047
POA TO CENTROID in.	.144
MIN RADIUS	.154
MEAN RADIUS	.918
MAX RADIUS	1.823
HORIZONTAL SPREAD	2.927
VERTICAL SPREAD	2.985
EXTREME SPREAD	3.175
NUMBER IN ONE INCH CIRCLE	3
NUMBER IN TWO INCH CIRCLE	5
NUMBER IN THREE INCH CIRCLE	8