

C6636146

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington

Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

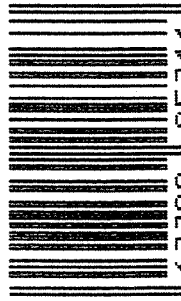
SERIAL NO. C6636146	ORDER NO. 5716
-------------------------------	--------------------------

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



5716 C6636146

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6636146

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		5/3/91	KS
600	Proof		5/3/91	KS
607	Check Headspace		5/3/91	KS
610	Dis-assemble Gun		5/3/91	KS
612	Magnaflux Barrel Action	5 6 9 1		KCD
	Magnaflux Bolt	5 6 9 1		KCD
615	Rollmark Caliber	5 6 9 1		GB
617	Drill and Tap Sight Holes	5 15 9 1		LB
618	Polish Barrel	5 15 9 1		WB
620	Apply Coatings (Barrel Action)		5/25/91	TH
	Apply Coating (Bolt)		5/25/91	TH
625	Final Assembly A) Clean inside of Bolt Assembly		5/30/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/30/91	KS
	C) Inspect Ejector Hole for Chamfer		5/30/91	KS
	D) Oil Firing Pin Ass'y		5/30/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		6/3/91	QJ

op. #	BARBER - M24 0038250	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			6/3/91	SL
	G) Safety Off Force	3	3	3			6/3/91	SL
	H) Trigger Pull Test & Retainability						6/3/91	SL
	I) Firing Pin Indent	.021	.0225	.0225			6/3/91	SL
	J) Assemble Stock						6/4/91	KS
	K) Assemble Swivel Studs						6-8-91	DH
	L) Attach Front and Rear Sight Assemblies						6/4/91	KS
	M) Iron Sight Alignment						6/4/91	KS
	N) Detach Front & Rear Sights & place in numbered container						6/4/91	KS
	O) Attach Scope to Rifle						6/4/91	KS
	P) Detach & Attach Scope 20 Times						6/4/91	KS
640	Gallery Target & Test						6-5-91	DH
	A) Time						6-5-91	DH
	B) Malfunctions						6-5-91	DH
	C) Pierced Primers						6-5-91	DH
	D) Optical Clarity of Scope						6-5-91	DH
645	Inspect for Live Ammo						6-5-91	DH
655	Final Inspection							
	A) Headspace						6-8-91	DH
	B) Trigger Pull	2.16	2.16	2.18	2.17	2.17	6-8-91	SL
	C) Function						6-8-91	DH
660	Pack						6-20-91	NE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6636146

DATE 6-3-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.26	2.31	2.40	2.16	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.21	2.31	2.38	2.16	
PULL #3	2.21	2.33	2.30	2.18	
PULL #4	2.28	2.30	2.33	2.17	
PULL #5	2.25	2.33	2.31	2.17	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.36		
PULL #2	3.22	3.27		
PULL #3	3.30	3.28		
PULL #4	3.24	3.32		
PULL #5	3.34	3.34		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.37		4.44
PULL #2	4.20	4.40		4.41
PULL #3	4.12	4.40		4.35
PULL #4	4.26	4.38		4.44
PULL #5	4.29	4.49		4.48
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636146
5 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.2328
1 TO	2	.152611
1 TO	3	.380841
1 TO	4	.15742
1 TO	5	.200422

472 <----POA

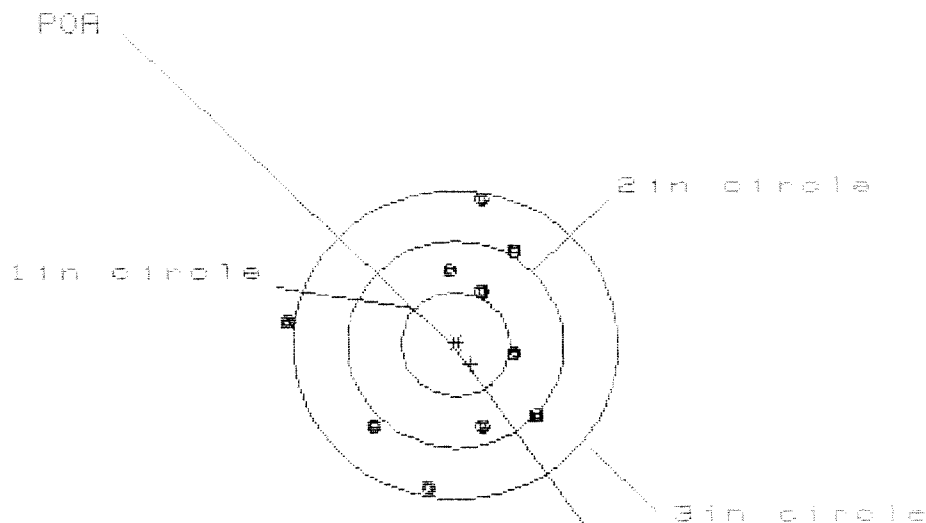
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0656
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0648
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0922085

THE AMR FOR THIS RIFLE IS: .921

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636146

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 6

HS= 2.277

VS= 2.738

GS= 2.797

CENTROID #

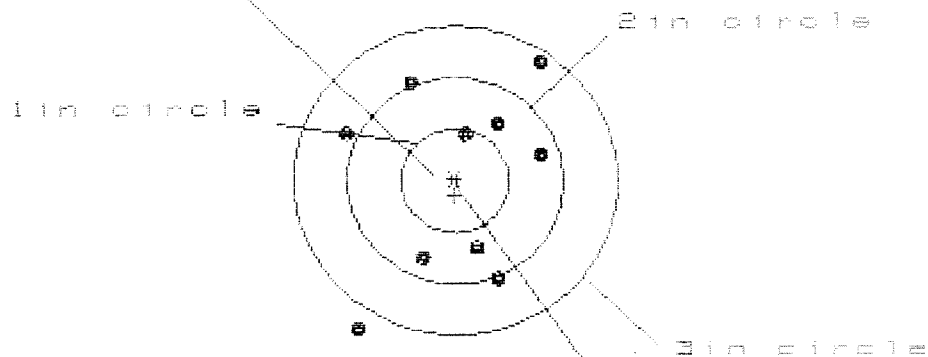
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.763	.595	.608
MINIMUM X	-1.514	-.901	-.888
MAXIMUM Y	1.375	1.401	1.134
MINIMUM Y	-1.363	-1.337	-1.162
CENTROID X	-.148	.028	.015
CENTROID Y	.186	.160	-.015
POA TO CENTROID in.	.293	.163	.021
MIN RADIUS	.539	.404	.429
MEAN RADIUS	1.024	.939	.876
MAX RADIUS	1.532	1.415	1.246
HORIZONTAL SPREAD	2.277	1.496	1.496
VERTICAL SPREAD	2.738	2.738	2.296
EXTREME SPREAD	2.797	2.797	2.448
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636146

CENTERFIRE PATTERNS # 2

POR



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 3

HS = 1.818

VS = 2.591

GS = 3.113

CENTROID #

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	.866
MINIMUM X	:	-1.012
MAXIMUM Y	:	1.128
MINIMUM Y	:	-1.463
CENTROID X	:	.087
CENTROID Y	:	.145
POR TO CENTROID in.	:	.145
MIN RADIUS	:	.429
MEAN RADIUS	:	.983
MAX RADIUS	:	1.736
HORIZONTAL SPREAD	:	1.818
VERTICAL SPREAD	:	2.591
EXTREME SPREAD	:	3.113
NUMBER IN ONE INCH CIRCLE =	:	1
NUMBER IN TWO INCH CIRCLE =	:	6
NUMBER IN THREE INCH CIRCLE =	:	3

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C663B146

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 10

HS = 2.223

VS = 2.356

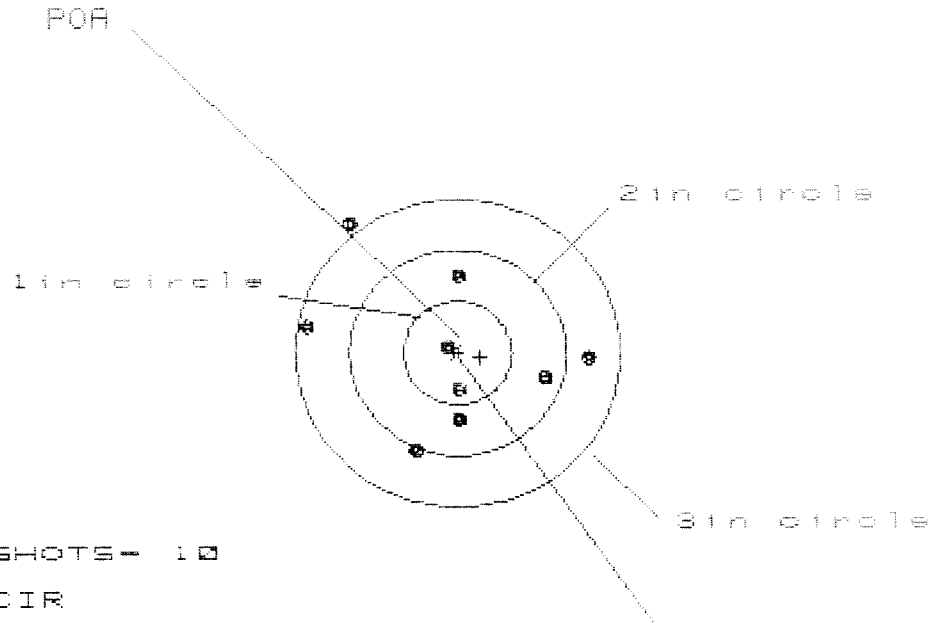
GS = 2.711

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.201
MINIMUM X	-1.022
MAXIMUM Y	1.234
MINIMUM Y	-1.122
CENTROID X	.168
CENTROID Y	-.038
POA TO CENTROID in.	.172
MIN RADIUS	.253
MEAN RADIUS	.868
MAX RADIUS	1.427
HORIZONTAL SPREAD	2.223
VERTICAL SPREAD	2.356
EXTREME SPREAD	2.711
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	10

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636146

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

CENTROID #

IS = 2.559

VS = 2.164

GS = 2.571

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.203	1.087	.903
MINIMUM X	:	-1.357	-1.472	-.708
MAXIMUM Y	:	1.261	.928	.977
MINIMUM Y	:	-.903	-.763	-.714
CENTROID X	:	-.210	-.094	.090
CENTROID Y	:	.045	-.095	-.144
POA TO CENTROID in.	:	.214	.134	.169
MIN RADIUS	:	.141	.223	.300
MEAN RADIUS	:	.885	.774	.669
MAX RADIUS	:	1.633	1.523	1.006
HORIZONTAL SPREAD	:	2.559	2.559	1.611
VERTICAL SPREAD	:	2.164	1.691	1.691
EXTREME SPREAD	:	2.571	2.571	1.846
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8838146

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 2

2in = 8

3in = 9

HS = 1.491

VS = 2.733

GS = 2.913

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.689
MINIMUM X	-.802
MAXIMUM Y	1.256
MINIMUM Y	-1.477
CENTROID X	-.153
CENTROID Y	-.014
POA TO CENTROID in.	.154
MIN RADIUS	.316
MEAN RADIUS	.845
MAX RADIUS	1.555
HORIZONTAL SPREAD	1.491
VERTICAL SPREAD	2.733
EXTREME SPREAD	2.913
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	8
NUMBER IN THREE INCH CIRCLE =	9