

C6648982

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.



BARBER - M24 0030268

Remington®
REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

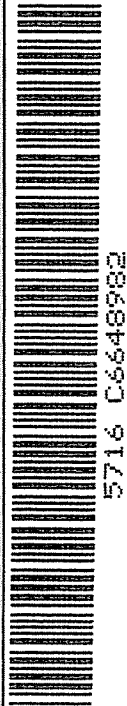
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

DUPONT

SERIAL NO.
C6648982

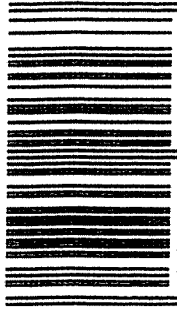
ORDER NO.
5716

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



5716 C6648982

UPC



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6648982

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		7/24/91	KL
600	Proof		7/24/91	KL
607	Check Headspace		7/24/91	KL
610	Dis-assemble Gun		7/24/91	KL
612	Magnaflux Barrel Action		AUG 7 1991	KR
	Magnaflux Bolt		AUG 7 1991	KR
615	Rollmark Caliber		AUG 7 1991	GS
617	Drill and Tap Sight Holes		AUG 7 1991	LB
618	Polish Barrel		AUG 13 1991	WB
620	Apply Coatings (Barrel Action)		8/27/91	KL
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/4/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/4/91	KL
	C) Inspect Ejector Hole for Chamfer		9/4/91	KL
	D) Oil Firing Pin Ass'y		9/4/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		9/9/91	KL

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	6	6	6	9/9/91	JH		
	G) Safety Off Force	4	4	4	9/9/91	JH		
	H) Trigger Pull Test & Retainability				9/9/91	JH		
	I) Firing Pin Indent	.021	.021	.021	9/9/91	JH		
	J) Assemble Stock							
	K) Assemble Swivel Studs				9-13-91	D/H		
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test				9-12-91	AC		
	A) Time				9-12-91	AC		
	B) Malfunctions				9-12-91	AC		
	C) Pierced Primers				9-12-91	AC		
	D) Optical Clarity of Scope				9-12-91	AC		
645	Inspect for Live Ammo				9-12-91	AC		
655	Final Inspection							
	A) Headspace	2.71	2.67	2.70	2.57	2.59	9-13-91	D/H
	B) Trigger Pull	2.45	2.17	2.22	2.34		9-12-91	D/H
	C) Function						9-13-91	D/H
660	Pack						9-19-91	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6648982

DATE 9/9/91

TESTER JPL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.26	2.55	2.48	2.71	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.58	2.54	2.55	2.67	
PULL #3	2.49	2.54	2.50	2.70	
PULL #4	2.52	2.37	2.55	2.57	
PULL #5	2.56	2.47	2.48	2.59	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.51	3.61		
PULL #2	3.61	3.60		
PULL #3	3.62	3.34		
PULL #4	3.50	3.74		
PULL #5	3.63	3.65		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.54	4.53		4.65
PULL #2	4.54	4.62		4.60
PULL #3	4.45	4.45		4.62
PULL #4	4.51	4.52		4.56
PULL #5	4.60	4.55		4.59
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6648982
12 Sep 1991

CENTROIDAL DISTANCES

0 TO	1	.228515
1 TO	2	.41656
1 TO	3	.220273
1 TO	4	.227431
1 TO	5	.293164

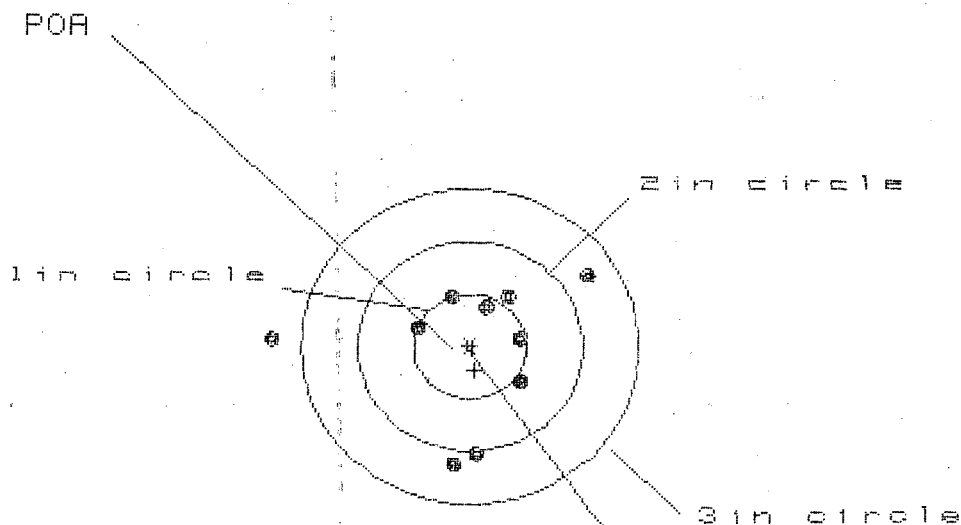
51 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1146
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .064
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .13126
THE AMR FOR THIS RIFLE IS: .9306

12 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C864B9B2

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS = 2.765

VS = 1.778

GS = 2.832

CENTROID *

PATTERN

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.005	.809	.395
MINIMUM X	-1.760	-.618	-.517
MAXIMUM Y	.698	.707	.613
MINIMUM Y	-1.080	-1.071	-.982
CENTROID X	-.045	.151	.050
CENTROID Y	.222	.213	.124
POA TO CENTROID in.	.227	.261	.134
MIN RADIUS	.381	.300	.429
MEAN RADIUS	.809	.674	.638
MAX RADIUS	1.762	1.125	1.012
HORIZONTAL SPREAD	2.765	1.427	.911
VERTICAL SPREAD	1.778	1.778	1.595
EXTREME SPREAD	2.832	2.119	1.656
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

12 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8548982

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 8

HS= 2.205

VS= 3.243

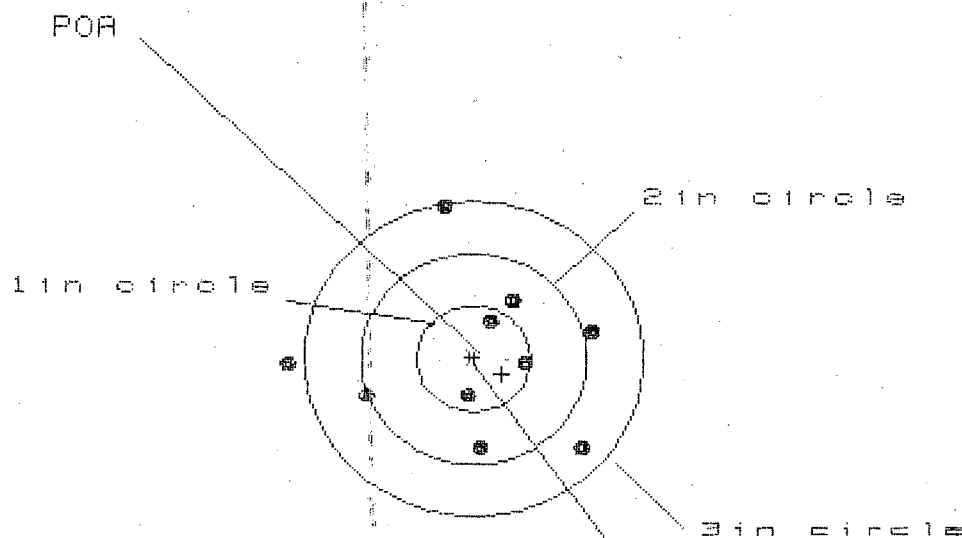
GS= 3.365

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.163	1.192	.534
MINIMUM X	-1.042	-1.013	-.864
MAXIMUM Y	1.840	1.050	.900
MINIMUM Y	-1.403	-1.198	-1.157
CENTROID X	.104	.075	-.074
CENTROID Y	-.167	-.372	-.222
POA TO CENTROID in.	.197	.379	.234
MIN RADIUS	.272	.357	.333
MEAN RADIUS	.925	.819	.697
MAX RADIUS	1.860	1.690	1.265
HORIZONTAL SPREAD	2.205	2.205	1.398
VERTICAL SPREAD	3.243	2.248	2.057
EXTREME SPREAD	3.365	2.805	2.264
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

12 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B4B9B2

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS = 2.559

VS = 2.342

GS = 2.696

CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.022	.841	.784
MINIMUM X	-1.637	-1.089	-1.146
MAXIMUM Y	1.454	1.448	.703
MINIMUM Y	-.888	-.894	-.713
CENTROID X	-.251	-.070	-.013
CENTROID Y	.144	.150	-.031
POA TO CENTROID in.	.290	.165	.034
MIN RADIUS	.331	.268	.214
MEAN RADIUS	.905	.793	.691
MAX RADIUS	1.637	1.518	1.159
HORIZONTAL SPREAD	2.659	1.930	1.930
VERTICAL SPREAD	2.342	2.342	1.416
EXTREME SPREAD	2.696	2.581	2.029
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

12 Sep 1991

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CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 2.523

VS= 3.077

GS= 3.171

CENTROID #

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.429

1.437

1.154

MINIMUM X

-1.094

-1.086

-.906

MAXIMUM Y

1.883

.685

.740

MINIMUM Y

-1.194

-.985

-.930

CENTROID X

-.059

-.067

-.247

CENTROID Y

-.005

-.214

-.269

POA TO CENTROID in.

.060

.225

.366

MIN RADIUS

.292

.493

.448

MEAN RADIUS

1.027

.939

.845

MAX RADIUS

1.884

1.504

1.185

HORIZONTAL SPREAD

2.523

2.523

2.060

VERTICAL SPREAD

3.077

1.670

1.670

EXTREME SPREAD

3.171

2.663

2.161

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

4

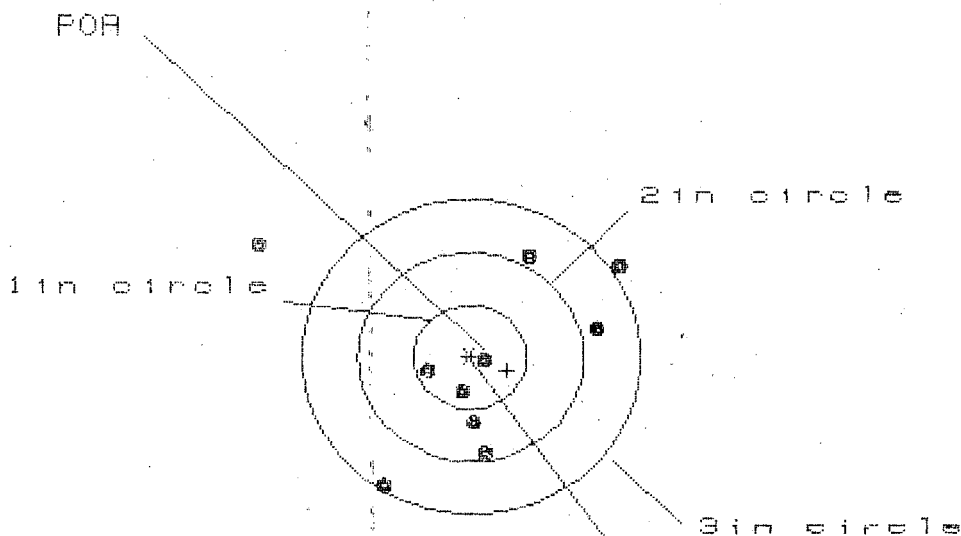
NUMBER IN THREE INCH CIRCLE =

9

12 Sep 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS = 2.200

VS = 2.314

GS = 3.200

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.310	1.100	1.063
MINIMUM X	-1.890	-1.837	-.900
MAXIMUM Y	1.095	1.081	1.204
MINIMUM Y	-1.219	-1.097	-.974
CENTROID X	-.322	-.112	-.249
CENTROID Y	.126	.004	-.119
POA TO CENTROID in.	.345	.112	.276
MIN RADIUS	.136	.107	.175
MEAN RADIUS	.987	.832	.706
MAX RADIUS	2.185	1.510	1.326
HORIZONTAL SPREAD	3.200	2.137	1.963
VERTICAL SPREAD	2.314	2.178	2.178
EXTREME SPREAD	3.208	2.984	2.538
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		