

06649115

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5715

*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.

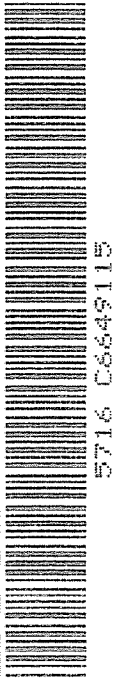
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

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

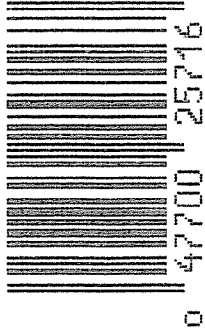
SERIAL NO.
C6649115

ORDER NO.
5716

20



UPC



GUN SERIAL #

C6649115

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/26/91	KA
600	Proof		6/26/91	KA
607	Check Headspace		6/26/91	KA
610	Dis-assemble Gun		6/24/91	KA
612	Magnaflux Barrel Action		JUL 1 8 1991	CS
	Magnaflux Bolt		JUL 1 8 1991	CS
615	Rollmark Caliber		JUL 1 8 1991	CS
617	Drill and Tap Sight Holes		JUL 1 8 1991	FB
618	Polish Barrel		JUL 20 1991	WB
620	Apply Coatings (Barrel Action)		8/7/91	KA
	Apply Coating (Bolt)			KA
625	Final Assembly A) Clean inside of Bolt Assembly		8/8/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/8/91	KA
	C) Inspect Ejector Hole for Chamfer		8/8/91	KA
	D) Oil Firing Pin Ass'y		8/8/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		8-10-91	KA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			8-10-91	DH
	G) Safety Off Force	3	2 1/2	2 1/2			8-10-91	DH
	H) Trigger Pull Test & Retainability						8-10-91	DH
	I) Firing Pin Indent	.020	.021	.020			8-10-91	DH
	J) Assemble Stock						8/10/91	KE
	K) Assemble Swivel Studs						8-13-91	DH
	L) Attach Front and Rear Sight Assemblies						8/10/91	KE
	M) Iron Sight Alignment						8/10/91	KE
	N) Detach Front & Rear Sights & place in numbered container						8/10/91	KE
	O) Attach Scope to Rifle						8/10/91	KE
	P) Detach & Attach Scope 20 Times						8/10/91	KE
640	Gallery Target & Test						8-12-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						8-12-91	AF
655	Final Inspection							
	A) Headspace						8-13-91	DH
	B) Trigger Pull	2.27	2.50	2.48	2.52	2.55	8-13-91	KE
	C) Function						8-13-91	DH
660	Pack						9-19-91	AF

SWS TRIGGER PULL TEST

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

SERIAL NO. C6649115DATE 8-10-91TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.54	2.50	2.59	2.27	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.52	2.13	2.50	
PULL #3	2.58	2.00	2.43	2.48	
PULL #4	2.42	2.35	2.50	2.52	
PULL #5	2.49	2.48	2.64	2.55	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.57	3.62		
PULL #2	3.58	3.70		
PULL #3	3.55	3.43		
PULL #4	3.60	3.40		
PULL #5	3.00	3.56		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.34		4.16
PULL #2	4.22	4.21		4.09
PULL #3	4.33	4.21		4.31
PULL #4	4.14	4.18		4.05
PULL #5	4.12	4.35		4.36
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649115
12 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.353577
1 TO	2	.28324
1 TO	3	.215128
1 TO	4	.552531
1 TO	5	.57691

$\bar{x}_5$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1518
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0268
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .154148
THE AMR FOR THIS RIFLE IS: 1.051

12 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/066499115

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 6

HS = 3.318

VS = 2.445

GS = 3.547

CENTROID #

PATTERN #

	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.258	1.029	1.122
MINIMUM X	-2.060	-1.565	-1.472
MAXIMUM Y	1.483	1.444	1.128
MINIMUM Y	-1.962	-1.001	-1.821
CENTROID X	.221	.450	.357
CENTROID Y	.276	.315	.135
POA TO CENTROID in.	.353	.550	.382
MIN RADIUS	.266	.215	.148
MEAN RADIUS	1.183	1.064	.949
MAX RADIUS	2.091	1.654	1.636
HORIZONTAL SPREAD	3.318	2.594	2.594
VERTICAL SPREAD	2.445	2.445	1.949
EXTREME SPREAD	3.547	3.014	3.014
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		6	

12 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B49115

CENTERFIRE PATTERNS

2

POR

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HS = 3.227

VS = 3.834

GS = 4.050

* CENTROID *

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.042

1.132

1.082

MINIMUM X

-1.205

-1.195

-1.245

MAXIMUM Y

1.906

1.526

1.312

MINIMUM Y

-1.928

-1.716

-1.137

CENTROID X

.069

-.021

.029

CENTROID Y

.037

-.175

.039

POR TO CENTROID in.

.079

.176

.045

MIN RADIUS

.127

.124

.104

MEAN RADIUS

1.129

1.020

.902

MAX RADIUS

2.073

1.762

1.686

HORIZONTAL SPREAD

2.327

2.327

2.327

VERTICAL SPREAD

3.834

3.242

2.449

EXTREME SPREAD

4.050

3.276

2.885

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

4

NUMBER IN THREE INCH CIRCLE =

7

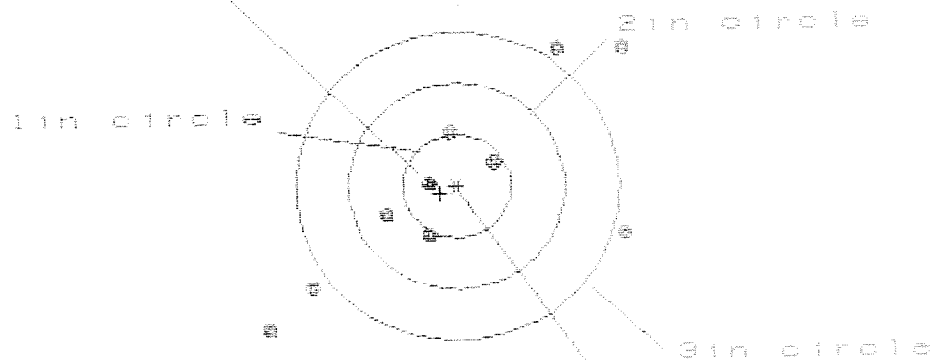
12 AUG 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6049115

CENTERFIRE PATTERNS

3

POA



OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 5

HS = 3.355

VS = 2.732

GS = 4.327

* CENTROID *

PATTERN #

3

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.589	1.393	1.548
MINIMUM X	-1.766	-1.562	-1.388
MAXIMUM Y	1.351	1.198	1.304
MINIMUM Y	-1.381	-1.113	-0.964
CENTROID X	.159	.355	.181
CENTROID Y	.070	.223	.074
POA TO CENTROID in.	.173	.419	.195
MIN RADIUS	.311	.141	.332
MEAN RADIUS	1.167	1.044	.921
MAX RADIUS	2.242	1.918	1.690
HORIZONTAL SPREAD	3.355	2.955	2.936
VERTICAL SPREAD	2.732	2.311	2.260
EXTREME SPREAD	4.327	3.751	3.221
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		5	

12 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/066499115

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 3.371

VS= 2.298

GS= 3.377

PATTERN #

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 INCH CIRCLE =

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

10

1.199

-2.172

.935

-1.363

-.012

-.225

.225

.157

.904

2.193

3.371

2.298

3.377

=

=

=

9

.957

-.680

.981

-1.397

.230

-.191

.299

.105

.746

1.441

1.637

2.298

2.446

3

6

9

8

1.002

-.635

.727

-.820

.185

-.017

.186

.157

.643

1.050

1.637

1.547

1.780

12 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649115

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 4

2 in = 6

3 in = 8

HS = 3.398

VS = 1.770

GS = 3.831

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.579

1.377

1.168

MINIMUM X

-1.819

-1.836

-1.664

MAXIMUM Y

.675

.420

.293

MINIMUM Y

-1.095

-1.021

-1.534

CENTROID X

.322

.524

.352

CENTROID Y

-.292

-.366

-.239

POA TO CENTROID in.

.434

.639

.425

MIN RADIUS

.062

.260

.052

MEAN RADIUS

.871

.817

.607

MAX RADIUS

1.940

1.714

1.194

HORIZONTAL SPREAD

3.398

2.213

1.832

VERTICAL SPREAD

1.770

1.441

.927

EXTREME SPREAD

3.831

2.559

1.835

NUMBER IN ONE INCH CIRCLE =

4

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

8