

06611412

MODEL 700TM M24

Model SMS TM

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington.




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

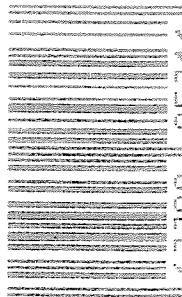
MODEL 700™ H24

SERIAL NO.
C6611412

ORDER NO.
5716

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

LPC



0 4700 25216

5716 C6611412

GEM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611412

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		91	RW
600	Proof	1 25	91	RW
607	Check Headspace	1 25	91	RW
610	Dis-assemble Gun	1 25	91	RW
612	Magnaflux Barrel Action	1 25	91	KR
	Magnaflux Bolt	1 25	91	KR
615	Rollmark Caliber	1 25	91	LS
617	Drill and Tap Sight Holes	1 30	91	FB
618	Polish Barrel <i>P.B.B.</i>	1 30	91	WB
620	Apply Coatings (Barrel Action)		2-10-91	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		2/11/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/11/91	RW
	C) Inspect Ejector Hole for Chamfer		2/11/91	RW
	D) Oil Firing Pin Ass'y		2/11/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/13/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			2/13/91	WB
	G) Safety Off Force	2	2 1/4	2 1/4			2/13/91	WB
	H) Trigger Pull Test & Retainability						2/12/91	SP
	I) Firing Pin Indent	.022	.0225	.0222			2/13/91	WB
	J) Assemble Stock						2/13/91	RW
	K) Assemble Swivel Studs						2-22-91	AC
	L) Attach Front and Rear Sight Assemblies						2/13/91	RW
	M) Iron Sight Alignment						2/13/91	RW
	N) Detach Front & Rear Sights & place in numbered container						2/13/91	RW
	O) Attach Scope to Rifle						2/13/91	RW
	P) Detach & Attach Scope 20 Times						2/13/91	RW
640	Gallery Target & Test						2-13-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						2-13-91	NF
655	Final Inspection							
	A) Headspace						2-22-91	AC
	B) Trigger Pull	2.75	2.76	2.65	2.60	2.58	2/19/91	WB
	C) Function						2-22-91	AC
660	Pack						3/14/91	WB

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611412

DATE 2/13/91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.28	2.39	2.30	2.75	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.23	2.33	2.76	
PULL #3	2.41	2.35	2.38	2.65	
PULL #4	2.22	2.36	2.40	2.60	
PULL #5	2.33	2.34	2.32	2.58	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.31		
PULL #2	3.38	3.12		
PULL #3	3.28	3.22		
PULL #4	3.21	3.40		
PULL #5	3.19	3.40		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.23		4.19
PULL #2	4.27	4.28		4.26
PULL #3	4.18	4.30		4.24
PULL #4	4.29	4.18		4.26
PULL #5	4.28	4.20		4.23
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611412
14 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.353817
1 TO	2	.581393
1 TO	3	.484663
1 TO	4	.600664
1 TO	5	.21496

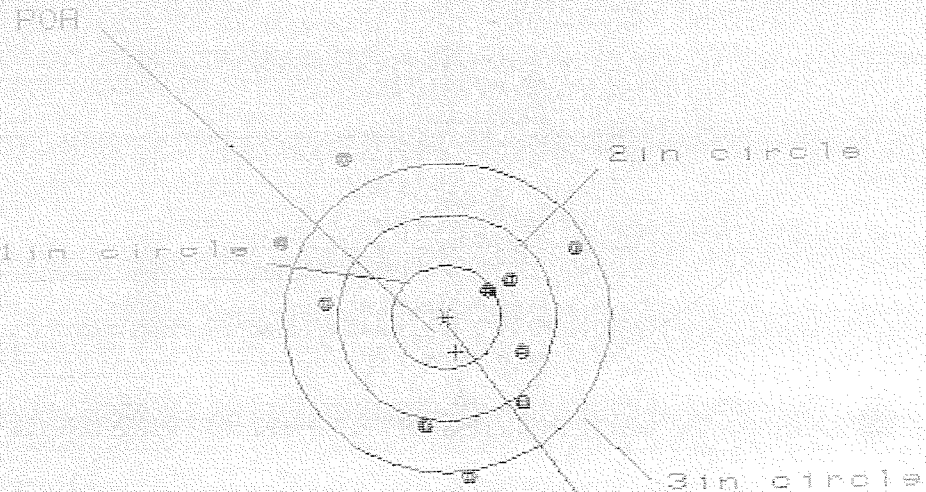
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .109
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0266
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .112199
THE AMR FOR THIS RIFLE IS: 1.054

14 Feb 1991

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CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 1

2in = 3

3in = 7

HS= 2.728

VS= 3.127

GS= 3.311

CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.204	1.105	.902
MINIMUM X	-1.524	-1.623	-1.422
MAXIMUM Y	1.588	.963	.990
MINIMUM Y	-1.539	-1.362	-1.242
CENTROID X	-.086	.013	.216
CENTROID Y	.343	.166	.046
POA TO CENTROID in.	.354	.167	.221
MIN RADIUS	.421	.482	.430
MEAN RADIUS	1.158	1.052	.898
MAX RADIUS	1.824	1.887	1.480
HORIZONTAL SPREAD	2.728	2.728	2.324
VERTICAL SPREAD	3.127	2.325	2.232
EXTREME SPREAD	3.311	2.888	2.452
NUMBER IN ONE INCH CIRCLE =	1	3	7
NUMBER IN TWO INCH CIRCLE =	3	7	7
NUMBER IN THREE INCH CIRCLE =	7	7	7

14 Feb 1981

FILE:/PATTERNING/CENTERFIRE_PATT/C6611412.1

CENTERFIRE PATTERNS

2

POB

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 9

3 in = 10

HS= 1.204

VS= 1.540

GS= 1.590

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.588

.594

.663

MINIMUM X

-.616

-.610

-.541

MAXIMUM Y

.445

.323

.360

MINIMUM Y

-1.095

-.381

-.344

CENTROID X

.111

.105

.036

CENTROID Y

-.204

-.082

-.119

POB TO CENTROID in.

.232

.133

.124

MIN RADIUS

.161

.221

.150

MEAN RADIUS

.526

.455

.421

MAX RADIUS

1.097

.710

.674

HORIZONTAL SPREAD

1.204

1.204

1.204

VERTICAL SPREAD

1.540

.704

.704

EXTREME SPREAD

1.590

1.336

1.284

NUMBER IN ONE INCH CIRCLE =

4

NUMBER IN TWO INCH CIRCLE =

9

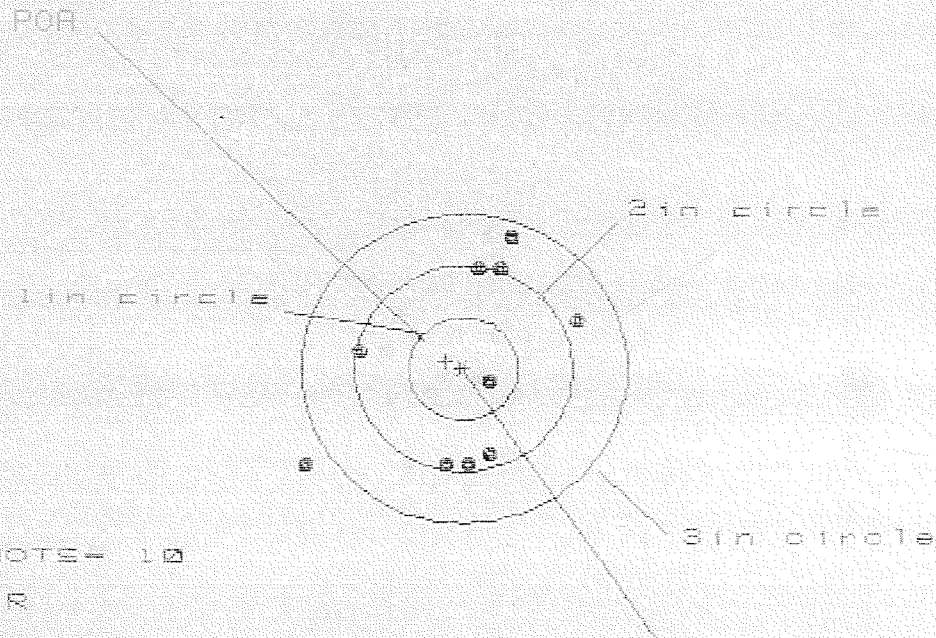
NUMBER IN THREE INCH CIRCLE =

10

14 Feb 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 2.548

VS= 2.227

GS= 2.896

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.095	.923	.960
MINIMUM X	:	-1.463	-1.125	-1.088
MAXIMUM Y	:	1.280	1.182	1.003
MINIMUM Y	:	-.947	-1.045	-.897
CENTROID X	:	.161	.323	.286
CENTROID Y	:	-.074	.024	-.124
POA TO CENTROID in.	:	.177	.324	.311
MIN RADIUS	:	.256	.243	.127
MEAN RADIUS	:	1.024	.933	.874
MAX RADIUS	:	1.708	1.228	1.106
HORIZONTAL SPREAD	:	2.548	2.048	2.048
VERTICAL SPREAD	:	2.227	2.227	1.960
EXTREME SPREAD	:	2.896	2.304	2.069
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 3

2in = 6

3in = 9

HS = 2.589

VS = 2.301

GS = 2.958

PATTERN #

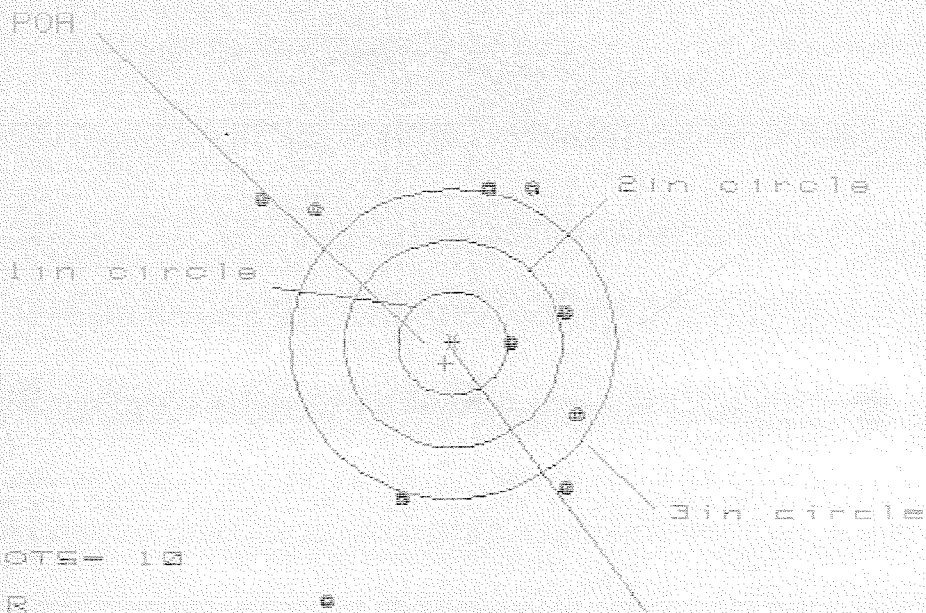
4

	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.741	.868	.892
MINIMUM X	-.848	-.655	-.631
MAXIMUM Y	1.282	1.169	1.090
MINIMUM Y	-1.018	-1.031	-.885
CENTROID X	.293	.100	.076
CENTROID Y	-.123	-.009	-.155
POA TO CENTROID in.	.318	.180	.173
MIN RADIUS	.877	.195	.149
MEAN RADIUS	.919	.785	.706
MAX RADIUS	2.017	1.282	1.408
HORIZONTAL SPREAD	2.589	1.523	1.523
VERTICAL SPREAD	2.301	2.200	1.974
EXTREME SPREAD	2.958	2.402	2.402
NUMBER IN ONE INCH CIRCLE	=	3	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	9	

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CENTERFIRE PATTERNS # 5



* OF SHOTS= 10

IN CIR

1in = 0

2in = 1

3in = 3

HS= 2.934

VS= 4.057

GS= 4.470

CENTROID *

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.163

1.030

.792

MINIMUM X

-1.771

-1.904

-1.613

MAXIMUM Y

1.529

1.248

1.393

MINIMUM Y

-2.528

-1.817

-1.672

CENTROID X

.066

.199

.437

CENTROID Y

.191

.472

.327

POA TO CENTROID in.

.202

.513

.546

MIN RADIUS

.530

.496

.220

MEAN RADIUS

1.641

1.464

1.299

MAX RADIUS

2.797

2.232

2.038

HORIZONTAL SPREAD

2.934

2.934

2.406

VERTICAL SPREAD

4.057

3.065

3.665

EXTREME SPREAD

4.470

3.975

3.527

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

1

NUMBER IN THREE INCH CIRCLE =

3