

C6611590

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Remington
MODEL 700TM H24

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

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

SERIAL NO.
C6611590

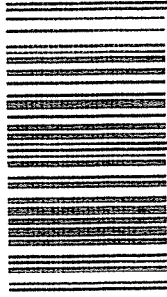
ORDER NO.
5716

20

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

5716 C6611590

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

C

GUN SERIAL # C6611590

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 30 91		Rw
600	Proof	4 30 91		Rw
607	Check Headspace	4 30 91		Rw
610	Dis-assemble Gun	4 30 91		Rw
612	Magnaflux Barrel Action	5 6 91		Kcd
	Magnaflux Bolt	5 6 91		Kcd
615	Rollmark Caliber	5 6 91		GS
617	Drill and Tap Sight Holes	5 10 91		FB
618	Polish Barrel	5 10 91		WB
620	Apply Coatings (Barrel Action)		5-30-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		6/19/91	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		6/19/91	Rw
	C) Inspect Ejector Hole for Chamfer		6/19/91	Rw
	D) Oil Firing Pin Ass'y		6/19/91	Rw
	E) Adjust Trigger Pull to Min Setting and Stake		7-18-91	JH

op. #	NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			7-18-91	RL
	G) Safety Off Force	3	3	3			7-18-91	RL
	H) Trigger Pull Test & Retainability						7-18-91	RL
	I) Firing Pin Indent	.021	.021	.0215			7-18-91	RL
	J) Assemble Stock						7/23/91	RW
	K) Assemble Swivel Studs						7-24-91	D/H
	L) Attach Front and Rear Sight Assemblies						7/23/91	RW
	M) Iron Sight Alignment						7/23/91	RW
	N) Detach Front & Rear Sights & place in numbered container						7/23/91	RW
	O) Attach Scope to Rifle						7/23/91	RW
	P) Detach & Attach Scope 20 Times						7/23/91	RW
640	Gallery Target & Test						7/23/91	RF
	A) Time						"	RF
	B) Malfunctions						"	RF
	C) Pierced Primers						"	RF
	D) Optical Clarity of Scope						"	RF
645	Inspect for Live Ammo						7/23/91	RF
655	Final Inspection							
	A) Headspace						7-24-91	D/H
	B) Trigger Pull	2.18	2.20	2.15	2.18	2.22	7-24-91	RL
	C) Function						7-24-91	D/H
660	Pack						9-18-91	RF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO

0-6611590

DATE

7-18-91

TESTER

[Signature]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.60	2.60	2.43	2.18	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.58	2.49	2.40	2.20	
PULL #3	2.60	2.33	2.25	2.15	
PULL #4	2.63	2.24	2.24	2.18	
PULL #5	2.52	2.23	2.124	2.22	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.31	3.39		
PULL #2	3.49	3.44		
PULL #3	3.47	3.44		
PULL #4	3.20	3.46		
PULL #5	3.37	3.37		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.20		4.22
PULL #2	4.22	4.15		4.15
PULL #3	4.15	4.16		4.32
PULL #4	4.20	4.15		4.35
PULL #5	4.19	4.23		4.30
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611590
23 Jul 1991

CENTROIDAL DISTANCES

0 TO	1	.0859127
1 TO	2	.242909
1 TO	3	.108167
1 TO	4	.226771
1 TO	5	.280879

④ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1836
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .014
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .184133
THE AMR FOR THIS RIFLE IS: .9542

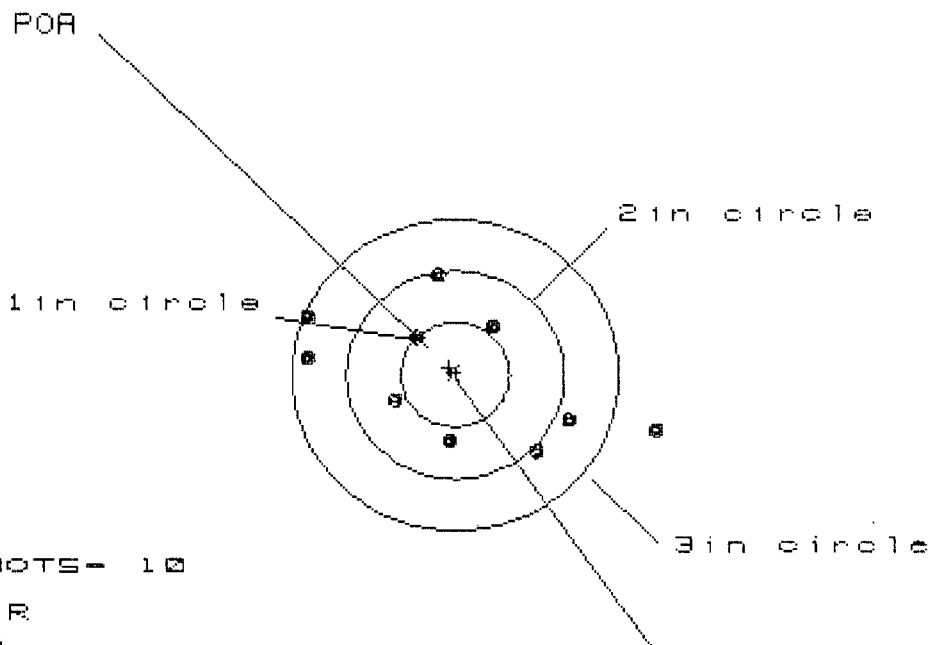


23 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611590

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 8

HS= 3.199

VS= 1.679

GS= 3.388

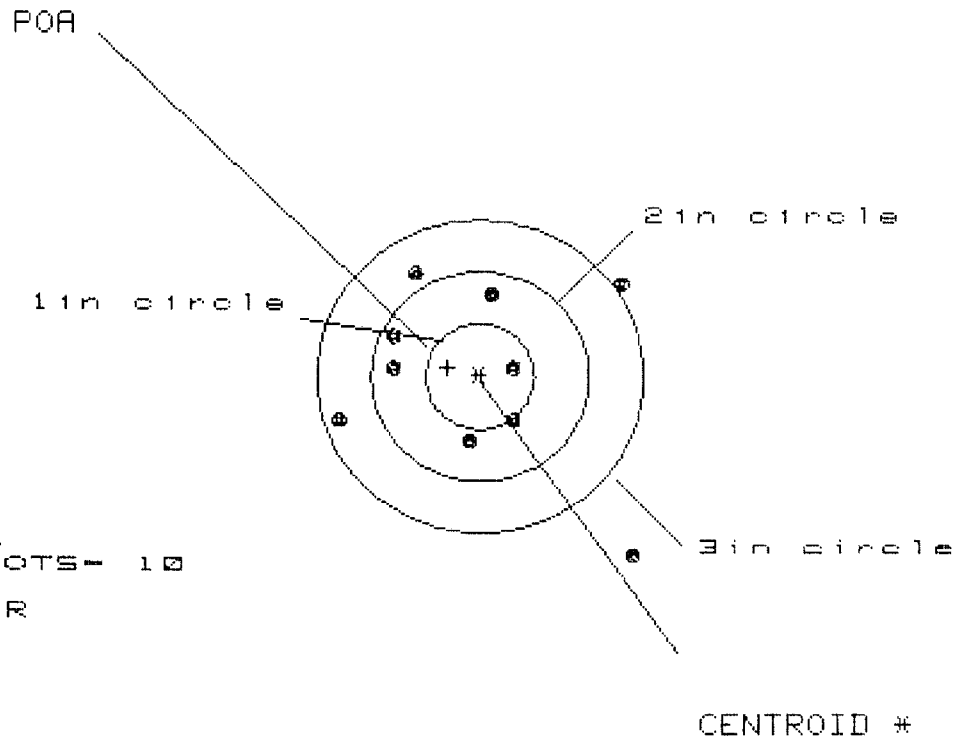
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.802	1.286	1.138
MINIMUM X	-1.397	-1.196	-1.344
MAXIMUM Y	.986	.922	.987
MINIMUM Y	-.693	-.757	-.692
CENTROID X	.055	-.146	.002
CENTROID Y	-.066	-.002	-.067
POA TO CENTROID in.	.085	.146	.067
MIN RADIUS	.540	.362	.504
MEAN RADIUS	1.039	.918	.871
MAX RADIUS	1.891	1.378	1.354
HORIZONTAL SPREAD	3.199	2.482	2.482
VERTICAL SPREAD	1.679	1.679	1.679
EXTREME SPREAD	3.388	2.669	2.551
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

23 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611590

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 8

HS= 2.701

VS= 2.626

GS= 3.323

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.442	1.475	.677
MINIMUM X	:	-1.260	-1.099	-.915
MAXIMUM Y	:	.955	.769	.861
MINIMUM Y	:	-1.671	-.847	-.755
CENTROID X	:	.297	.136	-.048
CENTROID Y	:	-.087	.099	.007
POA TO CENTROID in.	:	.309	.169	.049
MIN RADIUS	:	.340	.506	.407
MEAN RADIUS	:	1.022	.870	.750
MAX RADIUS	:	2.207	1.648	1.046
HORIZONTAL SPREAD	:	2.701	2.574	1.592
VERTICAL SPREAD	:	2.626	1.616	1.616
EXTREME SPREAD	:	3.323	2.900	1.850
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

23 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611590

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.325

VS= 3.570

GS= 3.571

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.307	1.279	1.233
MINIMUM X	:	-1.018	-1.046	-1.092
MAXIMUM Y	:	1.341	1.093	.675
MINIMUM Y	:	-2.229	-.698	-.561
CENTROID X	:	.155	.183	.229
CENTROID Y	:	.024	.272	.135
POA TO CENTROID in.	:	.157	.327	.266
MIN RADIUS	:	.452	.247	.368
MEAN RADIUS	:	.994	.801	.772
MAX RADIUS	:	2.243	1.457	1.355
HORIZONTAL SPREAD	:	2.325	2.325	2.325
VERTICAL SPREAD	:	3.570	1.791	1.236
EXTREME SPREAD	:	3.571	2.435	2.329
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

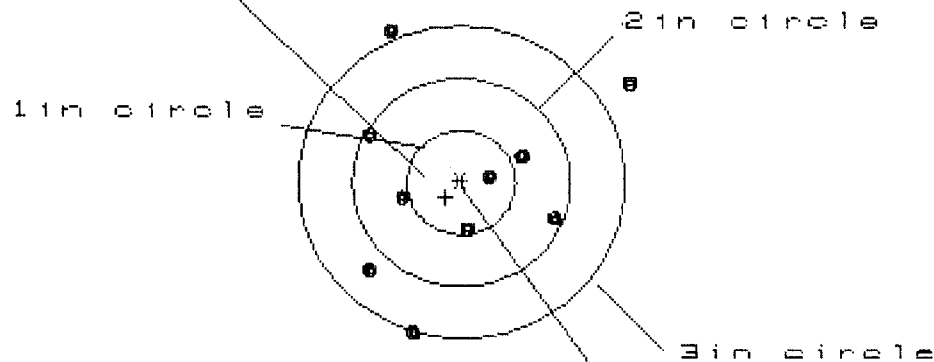
23 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611590

CENTERFIRE PATTERNS

4

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 2.475

VS= 2.917

GS= 3.115

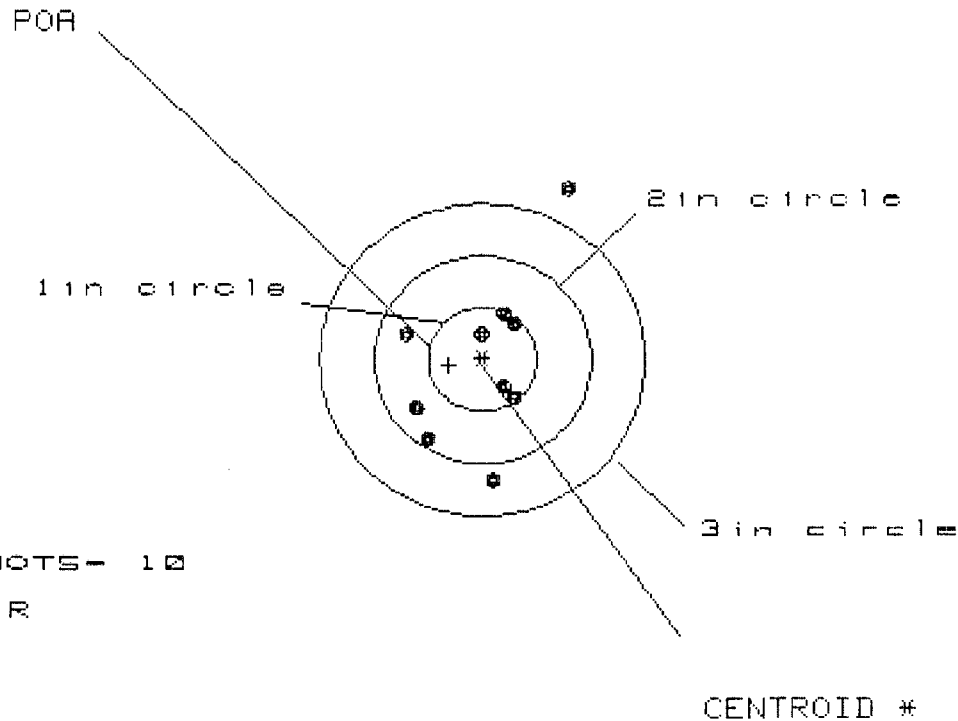
CENTROID *

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.595	1.020	.967
MINIMUM X	-.880	-.702	-.755
MAXIMUM Y	1.498	1.599	.787
MINIMUM Y	-1.419	-1.318	-1.118
CENTROID X	.143	-.035	.018
CENTROID Y	.143	.042	-.158
POA TO CENTROID in.	.202	.054	.159
MIN RADIUS	.290	.366	.244
MEAN RADIUS	.997	.894	.779
MAX RADIUS	1.836	1.654	1.172
HORIZONTAL SPREAD	2.475	1.722	1.722
VERTICAL SPREAD	2.917	2.917	1.905
EXTREME SPREAD	3.115	2.920	1.965
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	8	

23 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611590

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 5

2 in = 8

3 in = 9

HS= 1.513

VS= 2.758

GS= 2.844

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.784	.403	.425
MINIMUM X	-.729	-.642	-.620
MAXIMUM Y	1.633	.639	.521
MINIMUM Y	-1.125	-.943	-.680
CENTROID X	.308	.221	.199
CENTROID Y	.056	-.126	-.008
POA TO CENTROID in.	.313	.254	.199
MIN RADIUS	.218	.293	.297
MEAN RADIUS	.719	.597	.542
MAX RADIUS	1.812	.959	.784
HORIZONTAL SPREAD	1.513	1.045	1.045
VERTICAL SPREAD	2.758	1.582	1.201
EXTREME SPREAD	2.844	1.595	1.387
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		