

C6611603

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

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

MODEL 700™ H24

SERIAL NO. C6611603

ORDER NO. 5716

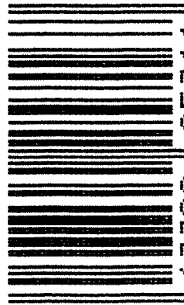
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6611603

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611603

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/18/91	KL
600	Proof		3/18/91	KL
607	Check Headspace		3/18/91	KL
610	Dis-assemble Gun		3/18/91	KL
612	Magnaflux Barrel Action		3/28/91	KR
	Magnaflux Bolt		11	11
615	Rollmark Caliber		11	KL
617	Drill and Tap Sight Holes	APR	3 1991	WB
618	Polish Barrel	APR	3 1991	WB
620	Apply Coatings (Barrel Action)		4-19-91	KL
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/24/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/24/91	KS
	C) Inspect Ejector Hole for Chamfer		4/24/91	KS
	D) Oil Firing Pin Ass'y		4/24/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		4/30/91	KL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/1/91	JH
	G) Safety Off Force	4	4	4			5/1/91	JH
	H) Trigger Pull Test & Retainability						4/30/91	JH
	I) Firing Pin Indent	.022	.022	.022			5/1/91	JH
	J) Assemble Stock						5/3/91	KS
	K) Assemble Swivel Studs						5-1-91	D/H
	L) Attach Front and Rear Sight Assemblies						5/3/91	KS
	M) Iron Sight Alignment						5/3/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/3/91	KS
	O) Attach Scope to Rifle						5/3/91	KS
	P) Detach & Attach Scope 20 Times						5/3/91	KS
640	Gallery Target & Test						5-3-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						5-3-91	NF
655	Final Inspection							
	A) Headspace						5-1-91	D/H
	B) Trigger Pull	2.15	2.21	2.29	2.41	2.42	5/9/91	JH
	C) Function						5-1-91	D/H
660	Pack						6-17-91	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611603

DATE 4/30/91

TESTER JTF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & RESET TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.21	2.42	2.15	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.56	2.29	2.30	2.21	
PULL #3	2.48	2.16	2.36	2.29	
PULL #4	2.33	2.35	2.45	2.41	
PULL #5	2.54	2.41	2.40	2.42	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.43		
PULL #2	3.44	3.43		
PULL #3	3.39	3.46		
PULL #4	3.39	3.28		
PULL #5	3.33	3.49		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.33		4.37
PULL #2	4.30	4.32		4.40
PULL #3	4.27	4.31		4.38
PULL #4	4.29	4.36		4.36
PULL #5	4.28	4.37		4.38
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611603
3 May 1991

CENTROIDAL DISTANCES

Ø TO	1	.099363
1 TO	2	.184784
1 TO	3	.184201
1 TO	4	.354457
1 TO	5	.294323

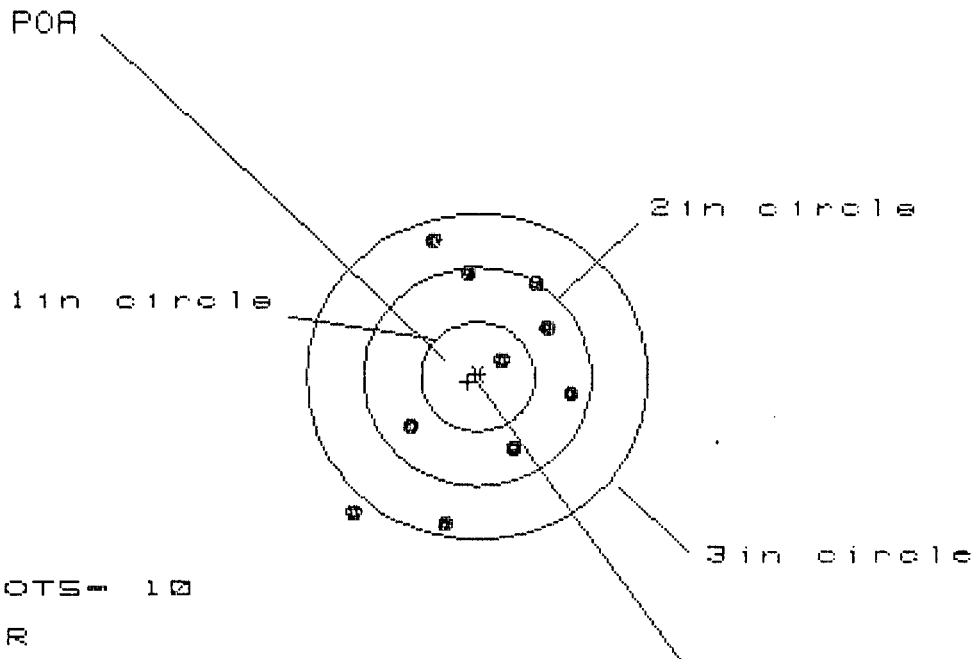
←----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.062
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.044
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0760263
THE HMR FOR THIS RIFLE IS: .948

3 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611603

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS= 1.888

VS= 2.595

GS= 2.608

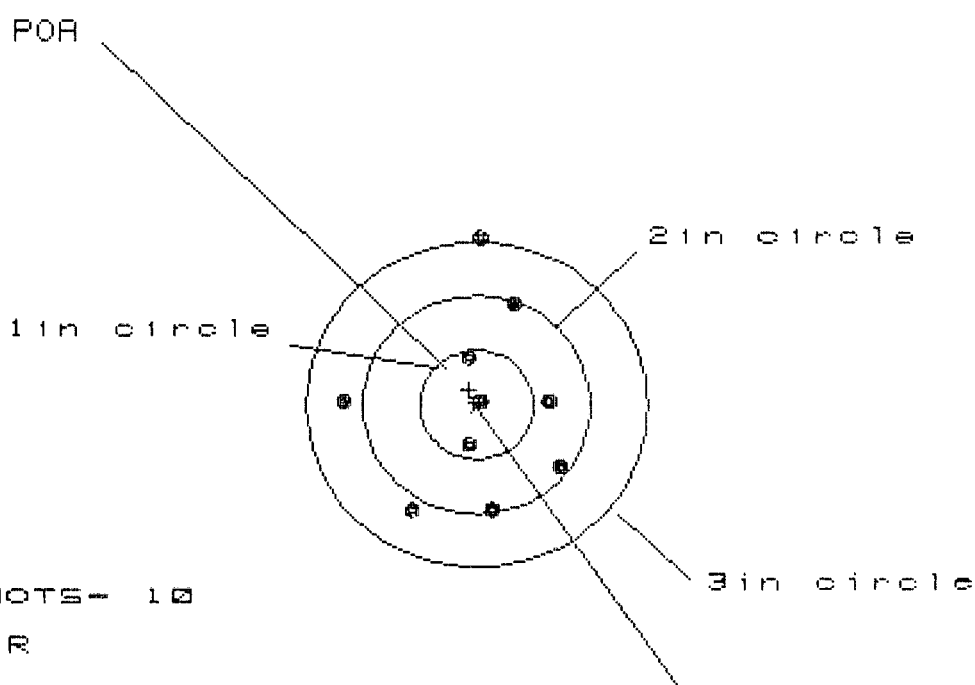
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.801	.680	.616
MINIMUM X	:	-1.087	-.753	-.817
MAXIMUM Y	:	1.293	1.157	.993
MINIMUM Y	:	-1.302	-1.438	-1.293
CENTROID X	:	.087	.208	.272
CENTROID Y	:	.048	.184	.039
POA TO CENTROID in.	:	.099	.277	.275
MIN RADIUS	:	.300	.124	.205
MEAN RADIUS	:	.965	.849	.794
MAX RADIUS	:	1.636	1.482	1.360
HORIZONTAL SPREAD	:	1.888	1.433	1.433
VERTICAL SPREAD	:	2.595	2.595	2.286
EXTREME SPREAD	:	2.608	2.600	2.292
NUMBER IN ONE INCH CIRCLE	=	1	7	9
NUMBER IN TWO INCH CIRCLE	=	7	9	9
NUMBER IN THREE INCH CIRCLE	=	9	9	9

3 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611603

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 1.893

VS= 2.514

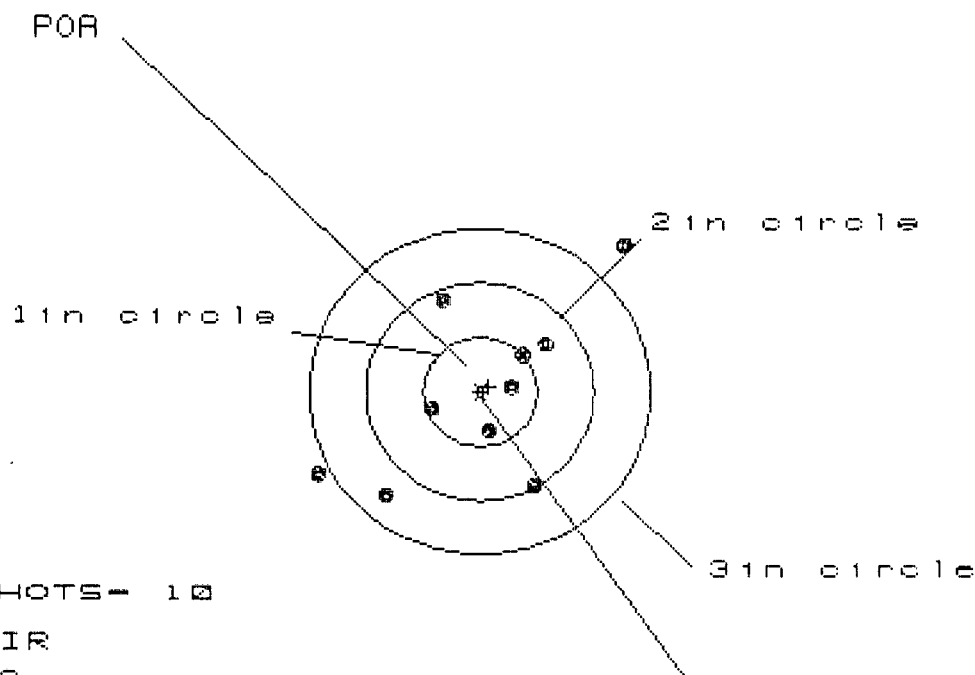
GS= 2.586

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.687	.694	.544
MINIMUM X	:	-1.206	-1.199	-.685
MAXIMUM Y	:	1.521	1.068	1.093
MINIMUM Y	:	-.993	-.824	-.799
CENTROID X	:	.070	.063	.212
CENTROID Y	:	-.136	-.305	-.330
POA TO CENTROID in.	:	.153	.311	.392
MIN RADIUS	:	.012	.161	.227
MEAN RADIUS	:	.811	.728	.658
MAX RADIUS	:	1.522	1.215	1.118
HORIZONTAL SPREAD	:	1.893	1.893	1.230
VERTICAL SPREAD	:	2.514	1.892	1.892
EXTREME SPREAD	:	2.586	2.104	2.104
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

3 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611603

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 2.637

VS= 2.340

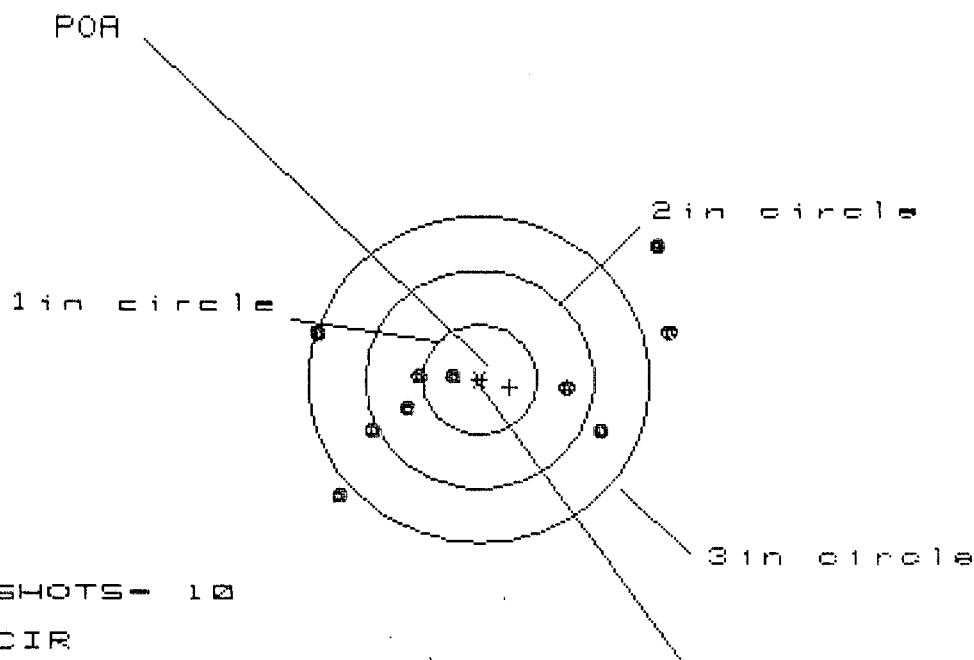
GS= 3.380

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.249	.725	.569
MINIMUM X	:	-1.388	-1.249	-.838
MAXIMUM Y	:	1.351	1.028	.951
MINIMUM Y	:	-.989	-.839	-.916
CENTROID X	:	-.072	-.211	-.055
CENTROID Y	:	-.045	-.195	-.118
POA TO CENTROID in.	:	.085	.287	.130
MIN RADIUS	:	.267	.272	.273
MEAN RADIUS	:	.903	.799	.696
MAX RADIUS	:	1.840	1.392	1.241
HORIZONTAL SPREAD	:	2.637	1.974	1.407
VERTICAL SPREAD	:	2.340	1.867	1.867
EXTREME SPREAD	:	3.380	2.331	2.031
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

3 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611603

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 5

HS= 3.144

VS= 2.319

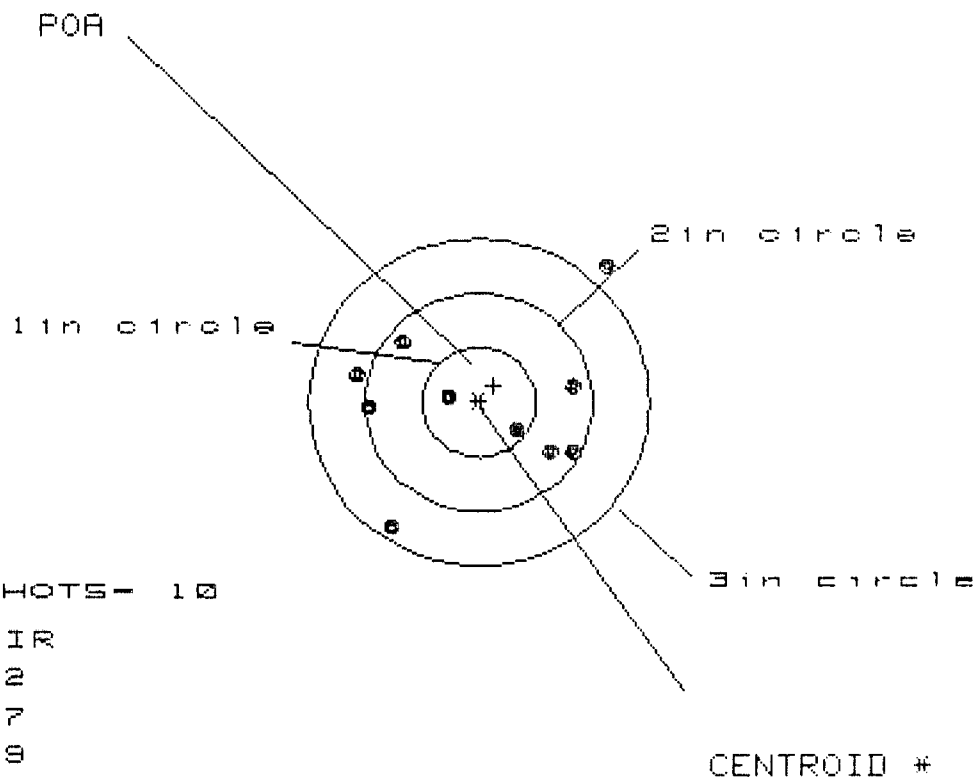
GS= 3.612

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.669	1.840	1.445
MINIMUM X	:	-1.475	-1.304	-1.074
MAXIMUM Y	:	1.231	.603	.645
MINIMUM Y	:	-1.088	-.951	-.876
CENTROID X	:	-.267	-.438	-.668
CENTROID Y	:	.066	-.071	-.146
POA TO CENTROID in.	:	.275	.444	.684
MIN RADIUS	:	.263	.208	.204
MEAN RADIUS	:	1.133	.993	.821
MAX RADIUS	:	1.973	1.937	1.465
HORIZONTAL SPREAD	:	3.144	3.144	2.518
VERTICAL SPREAD	:	2.319	1.554	1.521
EXTREME SPREAD	:	3.612	3.287	2.670
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	6		

3 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611603

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.136

VS= 2.407

GS= 3.045

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.087	.983	.901
MINIMUM X	:	-1.049	-.928	-1.010
MAXIMUM Y	:	1.259	.731	.605
MINIMUM Y	:	-1.148	-1.008	-.431
CENTROID X	:	-.128	-.249	-.167
CENTROID Y	:	-.153	-.293	-.167
POA TO CENTROID in.	:	.199	.384	.236
MIN RADIUS	:	.244	.254	.215
MEAN RADIUS	:	.928	.841	.778
MAX RADIUS	:	1.663	1.204	1.057
HORIZONTAL SPREAD	:	2.136	1.911	1.911
VERTICAL SPREAD	:	2.407	1.739	1.036
EXTREME SPREAD	:	3.045	2.050	2.050
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	7		
NUMBER IN THREE INCH CIRCLE =	:	9		