

C6636246

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington[®] **DU PONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700TM H24

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

SERIAL NO. C6636246	20
ORDER NO. 5716	

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



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # 06636246

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		KCR
	Magnaflux Bolt	5 6 91		KCR
615	Rollmark Caliber	5 6 91		GB
617	Drill and Tap Sight Holes	5 10 91		FB
618	Polish Barrel	5 10 91		WB
620	Apply Coatings (Barrel Action)		5/20/91	PA
	Apply Coating (Bolt)		5/20/91	PA
625	Final Assembly A) Clean inside of Bolt Assembly		5/30/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/30/91	RW
	C) Inspect Ejector Hole for Chamfer		5/30/91	RW
	D) Oil Firing Pin Ass'y		5/30/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6/6/91	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6 1/2	6 1/4	6 1/4			6/6/91	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			6/6/91	WB
	H) Trigger Pull Test & Retainability						6/6/91	WB
	I) Firing Pin Indent	.022	.022	.022			6/6/91	WB
	J) Assemble Stock						6/7/91	RW
	K) Assemble Swivel Studs						6-8-91	DH
	L) Attach Front and Rear Sight Assemblies						6/7/91	RW
	M) Iron Sight Alignment						6/7/91	RW
	N) Detach Front & Rear Sights & place in numbered container						6/7/91	RW
	O) Attach Scope to Rifle						6/7/91	RW
	P) Detach & Attach Scope 20 Times						6/7/91	RW
640	Gallery Target & Test						6/7/91	KT
	A) Time						6/7/91	KT
	B) Malfunctions						6/7/91	KT
	C) Pierced Primers						6/7/91	KT
	D) Optical Clarity of Scope						6/7/91	KT
645	Inspect for Live Ammo						6/7/91	KT
655	Final Inspection						6-8-91	DH
	A) Headspace						6-8-91	DH
	B) Trigger Pull	2.17	2.15	2.20	2.17	2.19	6-8-91	DH
	C) Function						6-8-91	DH
660	Pack						9-18-91	RW

SWS TRIGGER PULL TEST

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

SERIAL NO. C 6636246
DATE 6/6/91
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.31	2.34	2.26	2.17	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.34	2.19	2.15	
PULL #3	2.31	2.31	2.20	2.20	
PULL #4	2.34	2.25	2.22	2.17	
PULL #5	2.25	2.24	2.25	2.19	
TOTAL	11.55	11.48	11.12		
AVG.	2.31	2.30	2.22		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.10	3.10		
PULL #2	3.13	3.08		
PULL #3	3.09	3.08		
PULL #4	3.12	3.00		
PULL #5	3.09	2.90		
TOTAL	15.51	15.16		
AVG.	3.10	3.03		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.05	3.90		4.28
PULL #2	4.01	3.85		4.28
PULL #3	3.95	3.85		4.23
PULL #4	4.00	3.80		4.32
PULL #5	4.02	3.85		4.36
TOTAL	20.03	19.25		21.47
AVG.	4.01	3.85		4.29

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06636246
7 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.40017
1 TO	2	.441956
1 TO	3	.63843
1 TO	4	.633979
1 TO	5	.47844

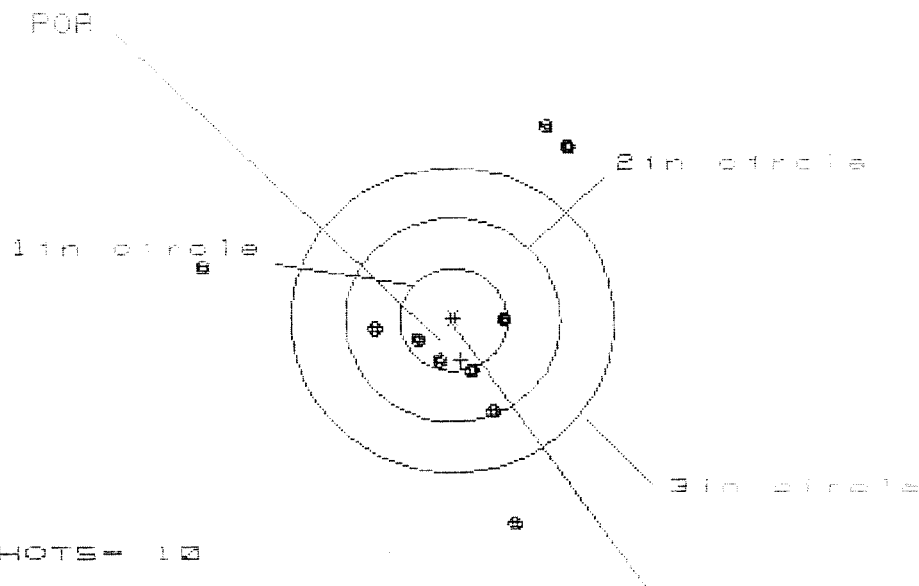
¹
SEP 1991 FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0886
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0624
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .108366
THE AMR FOR THIS RIFLE IS: 1.033

7 Jun 1991

FILE://PATTERNING/CENTERFIRE_PATT/08638246

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 5

3 in = 6

HW = 3.363

VS = 3.965

GS = 3.976

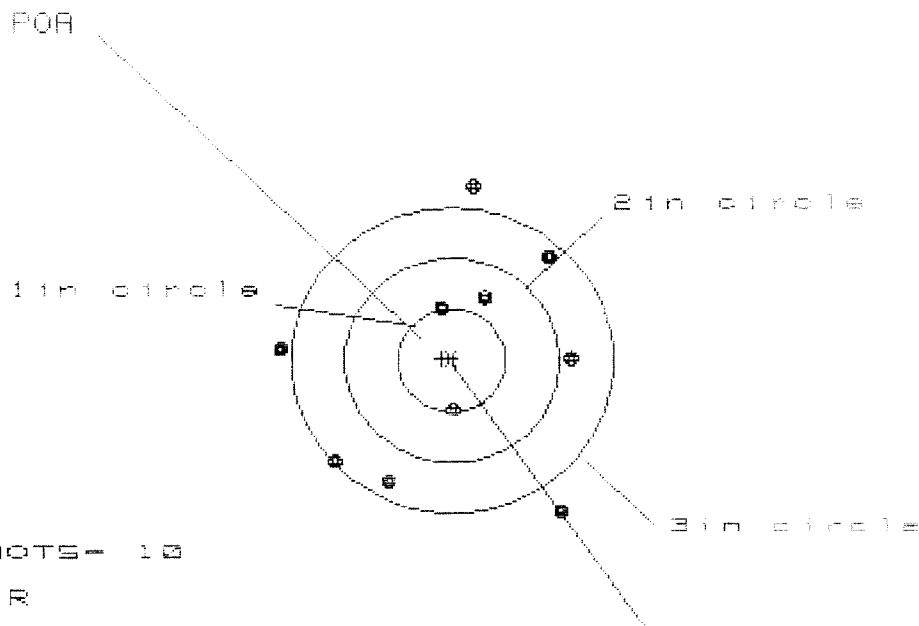
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.023	.763	.804
MINIMUM X	-2.340	-1.031	-1.990
MAXIMUM Y	1.925	1.984	1.736
MINIMUM Y	-2.040	-1.981	-1.131
CENTROID X	-.070	.190	.149
CENTROID Y	.394	.335	.503
POB TO CENTROID in.	.401	.385	.681
MIN RADIUS	.330	.242	.306
MEAN RADIUS	1.217	1.074	1.003
MAX RADIUS	2.400	2.080	1.859
HORIZONTAL SPREAD	3.363	1.794	1.794
VERTICAL SPREAD	3.965	3.965	2.867
EXTREME SPREAD	3.976	3.976	2.916
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	6		

7 Jun 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 1

2in = 3

3in = 7

HS = 2.713

VS = 3.294

GS = 3.383

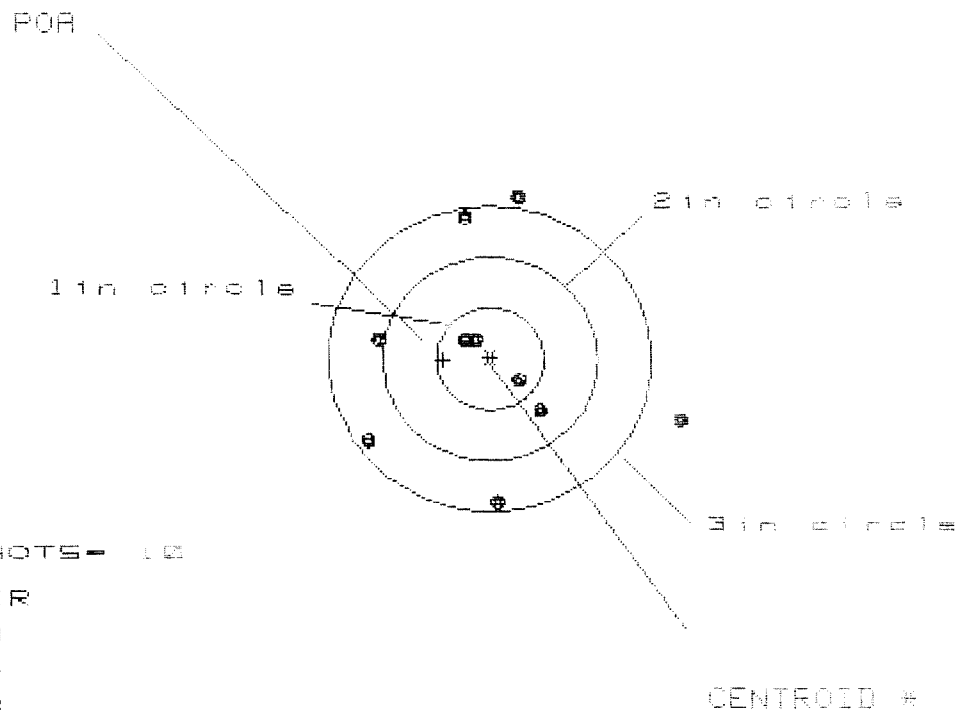
CENTROID #

PATTERN #	2	2	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.107	1.215	1.253
MINIMUM X	-1.606	-1.498	-1.460
MAXIMUM Y	1.762	1.591	1.074
MINIMUM Y	-1.532	-1.341	-1.142
CENTROID X	.095	-.013	-.051
CENTROID Y	-.016	.154	-.045
POA TO CENTROID in.	.096	.154	.058
MIN RADIUS	.447	.379	.434
MEAN RADIUS	1.214	1.135	1.072
MAX RADIUS	1.814	1.620	1.483
HORIZONTAL SPREAD	2.713	2.713	2.713
VERTICAL SPREAD	3.294	2.932	2.216
EXTREME SPREAD	3.383	3.041	2.835
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

7 Jun 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 3

2in = 4

3in = 8

HS= 2.951

VS= 2.951

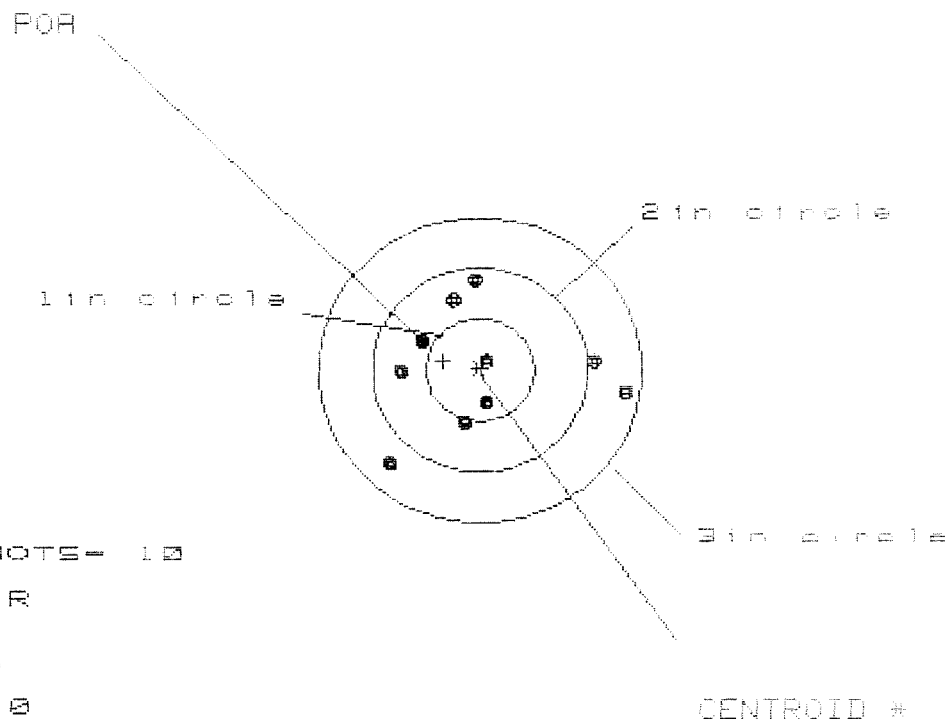
GS= 2.964

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.784	.623	.685
MINIMUM X	-1.167	-.969	-.967
MAXIMUM Y	1.577	1.511	1.494
MINIMUM Y	-1.374	-1.440	-1.251
CENTROID X	.437	.239	.177
CENTROID Y	.006	.072	-.117
POR TO CENTROID in.	.437	.249	.213
MIN RADIUS	.273	.134	.338
MEAN RADIUS	1.031	.911	.844
MAX RADIUS	1.879	1.590	1.494
HORIZONTAL SPREAD	2.951	1.592	1.582
VERTICAL SPREAD	2.951	2.951	2.745
EXTREME SPREAD	2.964	2.964	2.759
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

7 Jun 1981

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 7

3 in - 10

HS- 2.270

VS- 1.750

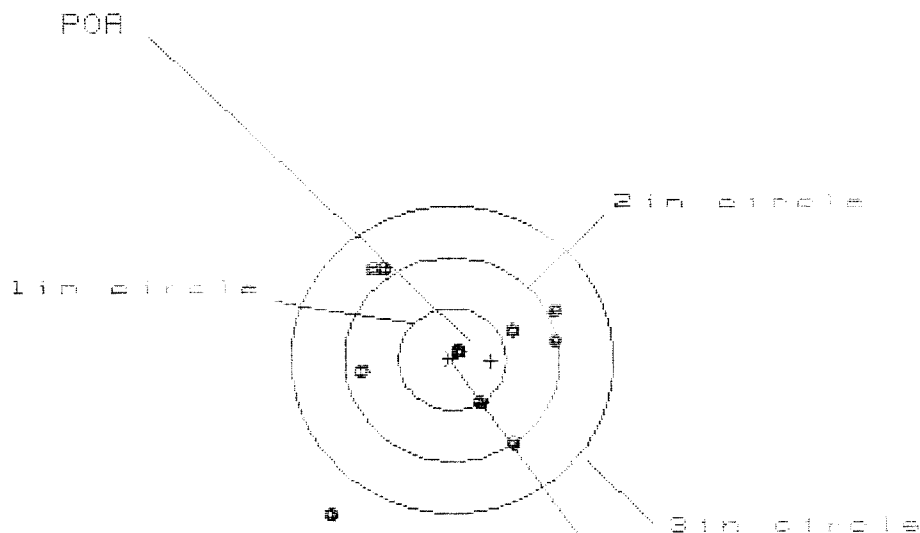
GS- 2.356

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.396	1.248	1.159
MINIMUM X	-.874	-.719	-.637
MAXIMUM Y	.873	.845	.732
MINIMUM Y	-.877	-.905	-.659
CENTROID X	.343	.188	.277
CENTROID Y	-.087	-.060	.053
POA TO CENTROID in.	.354	.197	.282
MIN RADIUS	.072	.180	.111
MEAN RADIUS	.767	.682	.618
MAX RADIUS	1.418	1.249	1.161
HORIZONTAL SPREAD	2.270	1.967	1.796
VERTICAL SPREAD	1.750	1.750	1.391
EXTREME SPREAD	2.356	2.184	1.798
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

7 Jun 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 9

HS= 2.129

VS= 2.459

GS= 2.913

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.987	.861	.757
MINIMUM X	-1.142	-.963	-1.067
MAXIMUM Y	.916	.745	.804
MINIMUM Y	-1.543	-1.032	-.939
CENTROID X	-.362	-.236	-.132
CENTROID Y	.015	.186	.093
POR TO CENTROID in.	.363	.300	.162
MIN RADIUS	.093	.126	.197
MEAN RADIUS	.934	.801	.746
MAX RADIUS	1.919	1.113	1.190
HORIZONTAL SPREAD	2.129	1.824	1.824
VERTICAL SPREAD	2.459	1.777	1.743
EXTREME SPREAD	2.913	2.155	2.097
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	