

C5649304

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

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

MODEL 700TM H24

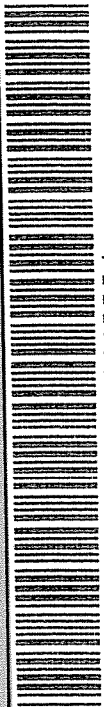
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

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

SERIAL NO.
C6649304

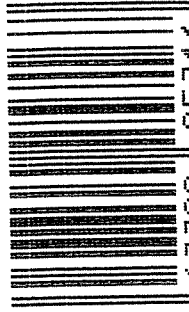
ORDER NO.
5716

20



5716 C6649304

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649304

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 27	9 1	dw
600	Proof	6 27	9 1	dw
607	Check Headspace	6 27	9 1	dw
610	Dis-assemble Gun	6 27	9 1	dw
612	Magnaflux Barrel Action	JUL	2 1991	KR
	Magnaflux Bolt	JUL	2 1991	KR
615	Rollmark Caliber	JUL	2 1991	LS.
617	Drill and Tap Sight Holes	JUL	2 1991	KB
618	Polish Barrel	JUL	1 7 1991	WB
620	Apply Coatings (Barrel Action)		7-22-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/23/91	dw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/23/91	dw
	C) Inspect Ejector Hole for Chamfer		7/23/91	dw
	D) Oil Firing Pin Ass'y		7/23/91	dw
	E) Adjust Trigger Pull to Min Setting and Stake		8/1/91	JP

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			8-1-91	JH
	G) Safety Off Force	4	4	4			8-1-91	JH
	H) Trigger Pull Test & Retainability						8-1-91	JH
	I) Firing Pin Indent	.0215	.0215	.0215			8-1-91	JH
	J) Assemble Stock						8/2/91	RW
	K) Assemble Swivel Studs						8-6-91	Ac
	L) Attach Front and Rear Sight Assemblies						8/2/91	RW
	M) Iron Sight Alignment						8/2/91	RW
	N) Detach Front & Rear Sights & place in numbered container						8/2/91	RW
	O) Attach Scope to Rifle						8/2/91	RW
	P) Detach & Attach Scope 20 Times						8/2/91	RW
640	Gallery Target & Test						8/2/91	KT
	A) Time						11	KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						8/2/91	KT
655	Final Inspection							
	A) Headspace						8-6-91	Ac
	B) Trigger Pull	2.59	2.51	2.49	2.50	2.48	8-6-91	JH
	C) Function						8-6-91	Ac
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. C-6649304

DATE 8-1-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.59	2.51	2.40	2.59	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.59	2.38	2.51	
PULL #3	2.22	2.51	2.55	2.49	
PULL #4	2.47	2.58	2.50	2.50	
PULL #5	2.46	2.43	2.48	2.48	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.59	3.31		
PULL #2	3.59	3.23		
PULL #3	3.58	3.15		
PULL #4	3.34	3.18		
PULL #5	3.45	3.20		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.36		4.37
PULL #2	4.36	4.41		4.49
PULL #3	4.37	4.43		4.42
PULL #4	4.34	4.46		4.40
PULL #5	4.41	4.50		4.57
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649304
2 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.412167
1 TO	2	.321759
1 TO	3	.495534
1 TO	4	.351161
1 TO	5	.840669

1 2 3 4 5 <-----POA

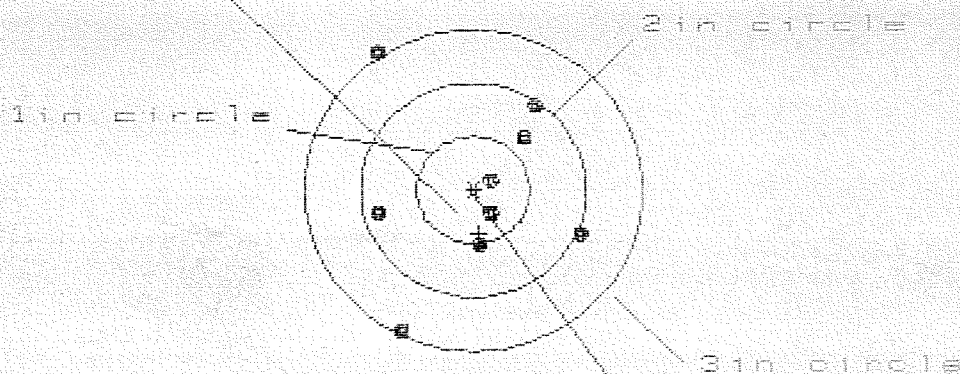
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1826
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1159
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .242123
THE AMR FOR THIS RIFLE IS: .8712

2 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649304

CENTERFIRE PATTERNS # 1

POA



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 1.817

VS= 2.566

GS= 2.574

CENTROID *

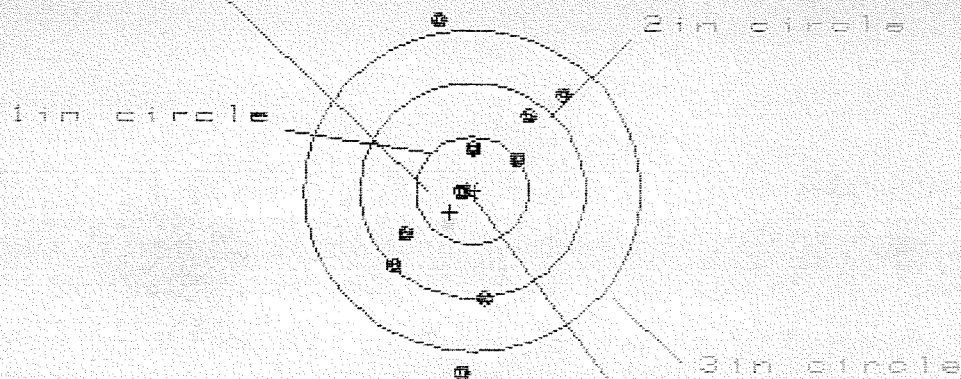
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.951	.856	.762
MINIMUM X	-.866	-.961	-1.055
MAXIMUM Y	1.256	.967	.821
MINIMUM Y	-1.310	-1.171	-.508
CENTROID X	-.051	.044	.138
CENTROID Y	.409	.270	.416
POA TO CENTROID in.	.412	.273	.438
MIN RADIUS	.205	.053	.116
MEAN RADIUS	.772	.645	.556
MAX RADIUS	1.521	1.389	1.074
HORIZONTAL SPREAD	1.817	1.817	1.817
VERTICAL SPREAD	2.566	2.138	1.329
EXTREME SPREAD	2.574	2.442	1.825
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

2 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649304

CENTERFIRE PATTERNS # 2

POR



OF SHOTS = 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 1.495

VS= 3.259

GS= 3.268

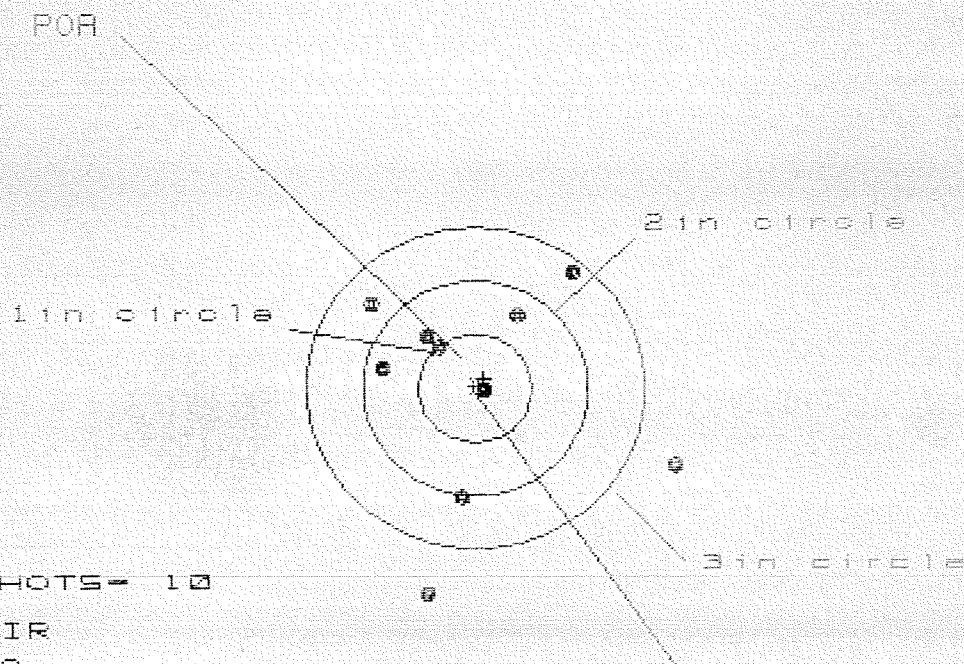
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.790	.780	.737
MINIMUM X	:	-.705	-.715	-.758
MAXIMUM Y	:	1.605	1.422	.867
MINIMUM Y	:	-1.653	-1.200	-1.022
CENTROID X	:	.197	.207	.250
CENTROID Y	:	.204	.387	.210
POR TO CENTROID in.	:	.283	.439	.326
MIN RADIUS	:	.101	.180	.153
MEAN RADIUS	:	.908	.805	.725
MAX RADIUS	:	1.656	1.463	1.138
HORIZONTAL SPREAD	:	1.495	1.495	1.495
VERTICAL SPREAD	:	3.259	2.622	1.889
EXTREME SPREAD	:	3.268	2.665	2.192
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			8	

2 Aug 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS = 2.707

VS = 2.954

GS = 3.200

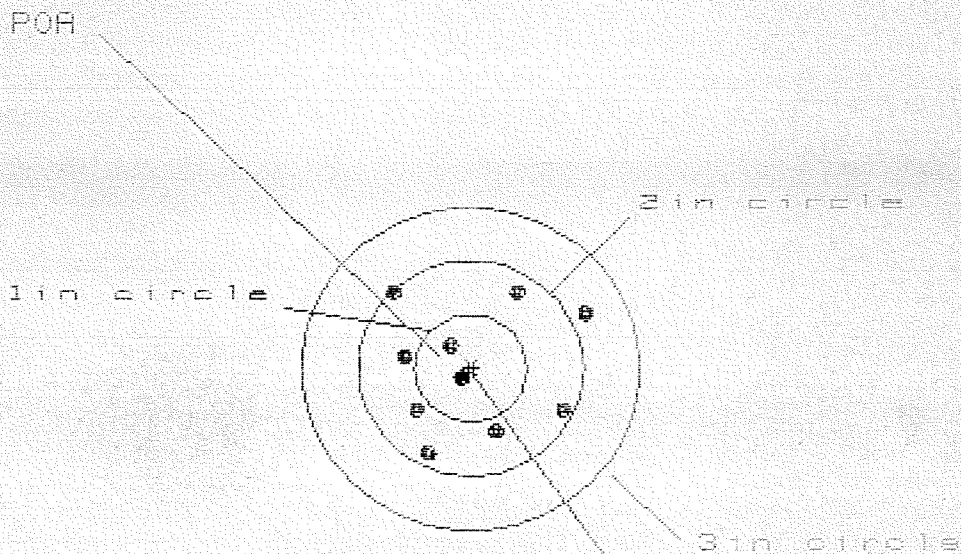
CENTROID #

PATTERN #	:	3
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.742
MINIMUM X	:	-0.966
MAXIMUM Y	:	1.063
MINIMUM Y	:	-1.891
CENTROID X	:	-0.074
CENTROID Y	:	-0.086
POA TO CENTROID in.	:	.113
MIN RADIUS	:	.072
MEAN RADIUS	:	1.021
MAX RADIUS	:	1.934
HORIZONTAL SPREAD	:	2.707
VERTICAL SPREAD	:	2.954
EXTREME SPREAD	:	3.200
NUMBER IN ONE INCH CIRCLE =	:	2
NUMBER IN TWO INCH CIRCLE =	:	6
NUMBER IN THREE INCH CIRCLE =	:	8

2 Aug 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 9

3in = 10

HS= 1.687

VS= 1.436

GS= 1.863

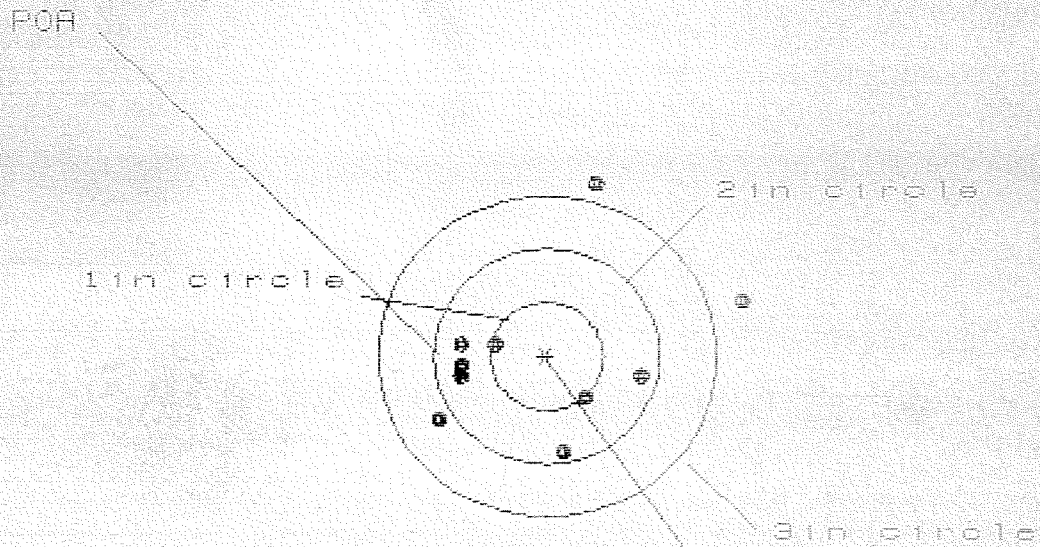
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.992	.947	.874
MINIMUM X	:	-.695	-.585	-.591
MAXIMUM Y	:	.679	.736	.828
MINIMUM Y	:	-.757	-.700	-.608
CENTROID X	:	.082	-.028	.045
CENTROID Y	:	.084	.027	-.065
POA TO CENTROID in.	:	.118	.039	.079
MIN RADIUS	:	.130	.053	.065
MEAN RADIUS	:	.696	.624	.585
MAX RADIUS	:	1.118	1.000	.933
HORIZONTAL SPREAD	:	1.687	1.532	1.465
VERTICAL SPREAD	:	1.436	1.436	1.436
EXTREME SPREAD	:	1.863	1.860	1.626
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 7

3in = 8

HS= 2.680

VS= 2.493

GS= 2.881

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.756	1.059	1.143
MINIMUM X	:	-.924	-.729	-.645
MAXIMUM Y	:	1.606	1.658	.401
MINIMUM Y	:	-.887	-.835	-.628
CENTROID X	:	.759	.564	.480
CENTROID Y	:	.184	.132	-.075
POA TO CENTROID in.	:	.782	.580	.486
MIN RADIUS	:	.447	.300	.427
MEAN RADIUS	:	.959	.808	.653
MAX RADIUS	:	1.818	1.790	1.148
HORIZONTAL SPREAD	:	2.680	1.788	1.788
VERTICAL SPREAD	:	2.493	2.493	1.029
EXTREME SPREAD	:	2.881	2.604	1.841
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	