

C6648935

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 700™ H24

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

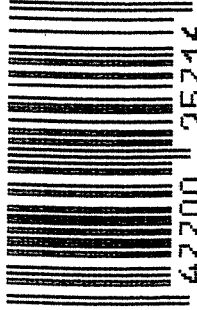
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO.
C6648935

ORDER NO.
5716



UPC



GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6648935

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 2 9 1		Rw
600	Proof	7 2 9 1		Rw
607	Check Headspace	7 2 9 1		Rw
610	Dis-assemble Gun	7 2 9 1		Rw
612	Magnaflux Barrel Action		JUL 22 1991	GS
	Magnaflux Bolt		JUL 22 1991	GS
615	Rollmark Caliber		JUL 22 1991	GS
617	Drill and Tap Sight Holes		JUL 22 1991	LB
618	Polish Barrel		7/27/91	WB
620	Apply Coatings (Barrel Action)		8/23/91	LA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/29/91	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/29/91	Rw
	C) Inspect Ejector Hole for Chamfer		8/29/91	Rw
	D) Oil Firing Pin Ass'y		8/29/91	Rw
	E) Adjust Trigger Pull to Min Setting and Stake		9/10/91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	64	6	6			9-10-91	DH
	G) Safety Off Force	22	2	24			9-10-91	DH
	H) Trigger Pull Test & Retainability						9/10/91	SRP
	I) Firing Pin Indent	.022	.020	.020			9-10-91	DH
	J) Assemble Stock						9/11/91	RW
	K) Assemble Swivel Studs						9/13/91	JM
	L) Attach Front and Rear Sight Assemblies						9/11/91	RW
	M) Iron Sight Alignment						9/11/91	RW
	N) Detach Front & Rear Sights & place in numbered container						9/11/91	RW
	O) Attach Scope to Rifle						9/11/91	RW
	P) Detach & Attach Scope 20 Times						9/11/91	RW
640	Gallery Target & Test						9-11-91	DH
	A) Time						9-11-91	DH
	B) Malfunctions						9-11-91	DH
	C) Pierced Primers						9-11-91	DH
	D) Optical Clarity of Scope						9-11-91	DH
645	Inspect for Live Ammo						9-11-91	DH
655	Final Inspection							
	A) Headspace						9/13/91	JU
	B) Trigger Pull	2.18	2.15	2.16	2.15	2.32	9/12/91	JU
	C) Function						9/13/91	JU
660	Pack						9-19-91	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO C.6648935

DATE 9-10-91

TESTER SH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.38	2.45	2.18	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.66	2.40	2.50	2.15	
PULL #3	2.54	2.44	2.40	2.16	
PULL #4	2.59	2.29	2.47	2.15	
PULL #5	2.59	2.51	2.43	2.32	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.37	3.29		
PULL #2	3.43	3.38		
PULL #3	3.25	3.37		
PULL #4	3.39	3.40		
PULL #5	3.45	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	4.25	4.46		4.37
PULL #2	4.59	4.50		4.46
PULL #3	4.46	4.40		4.32
PULL #4	4.49	4.48		4.39
PULL #5	4.42	4.30		4.41
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6648935
11 Sep 1991

CENTROIDAL DISTANCES

0 TO	1	.0907083
1 TO	2	.322531
1 TO	3	.101079
1 TO	4	.0764199
1 TO	5	.239015

5
3
2

(----POA

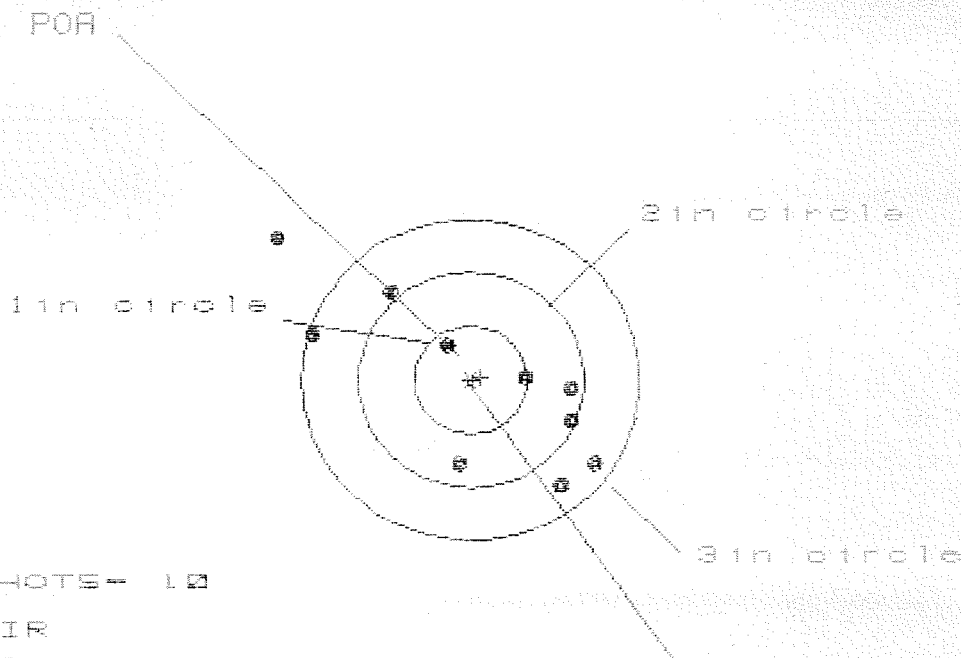
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0606
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0384
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .071742

THE AMR FOR THIS RIFLE IS: 1.033

11 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B4B335

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 3

HS= 2.869

VS= 2.304

GS= 3.600

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.133	.940	.738
MINIMUM X	-1.736	-1.614	-1.062
MAXIMUM Y	1.360	.925	1.001
MINIMUM Y	-.944	-.793	-.717
CENTROID X	-.088	.104	.306
CENTROID Y	-.022	-.173	-.249
POA TO CENTROID in.	.091	.202	.394
MIN RADIUS	.370	.356	.306
MEAN RADIUS	1.080	.910	.762
MAX RADIUS	2.206	1.724	1.459
HORIZONTAL SPREAD	2.869	2.554	1.800
VERTICAL SPREAD	2.304	1.718	1.718
EXTREME SPREAD	3.600	2.852	2.400
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

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FILE:/PATTERNING/CENTERFIRE_PATT/C6648935

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 4.292

VS= 2.895

GS= 4.534

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

3.036

.773

.658

MINIMUM X

-1.256

-.919

-.636

MAXIMUM Y

.976

.925

.679

MINIMUM Y

-1.919

-1.970

-1.432

CENTROID X

.063

-.274

-.159

CENTROID Y

-.307

-.256

-.010

POA TO CENTROID in.

.313

.375

.159

MIN RADIUS

.166

.271

.381

MEAN RADIUS

1.162

.918

.695

MAX RADIUS

3.070

2.174

1.446

HORIZONTAL SPREAD

4.292

1.692

1.294

VERTICAL SPREAD

2.895

2.895

2.111

EXTREME SPREAD

4.534

3.006

2.269

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

6

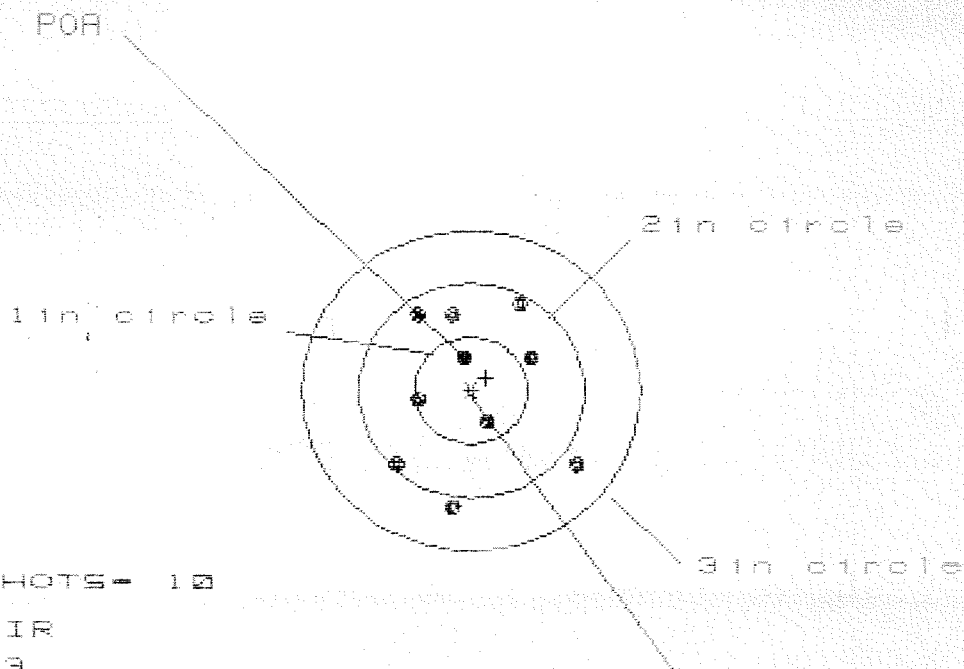
NUMBER IN THREE INCH CIRCLE =

8

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.514

VS= 1.887

GS= 2.023

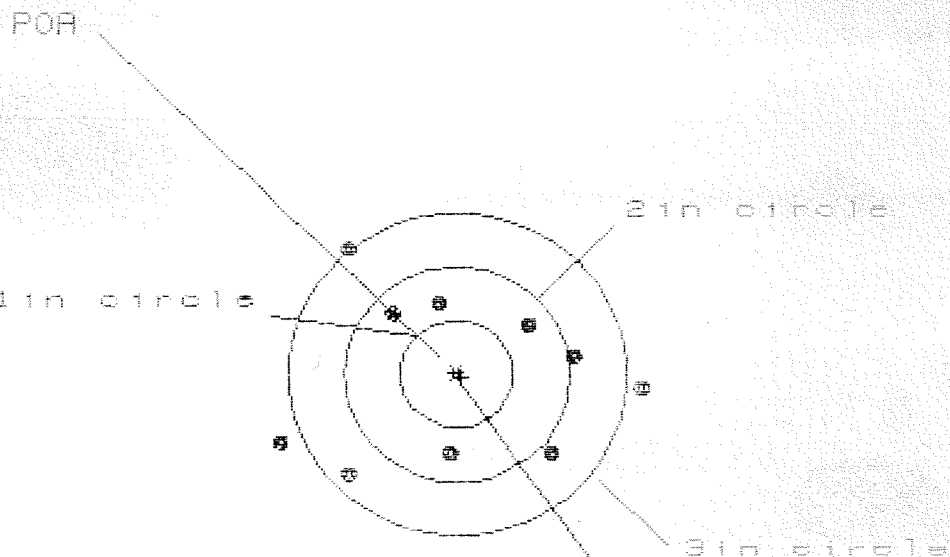
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.981	.616	.603
MINIMUM X	:	-.633	-.524	-.537
MAXIMUM Y	:	.793	.720	.574
MINIMUM Y	:	-1.094	-1.167	-.934
CENTROID X	:	-.132	-.241	-.228
CENTROID Y	:	-.113	-.040	.106
POA TO CENTROID in.	:	.174	.244	.251
MIN RADIUS	:	.314	.225	.079
MEAN RADIUS	:	.747	.681	.593
MAX RADIUS	:	1.183	1.172	1.078
HORIZONTAL SPREAD	:	1.614	1.140	1.140
VERTICAL SPREAD	:	1.887	1.887	1.508
EXTREME SPREAD	:	2.023	1.994	1.846
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			10	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 7

HS= 3.252

VS= 2.102

GS= 3.285

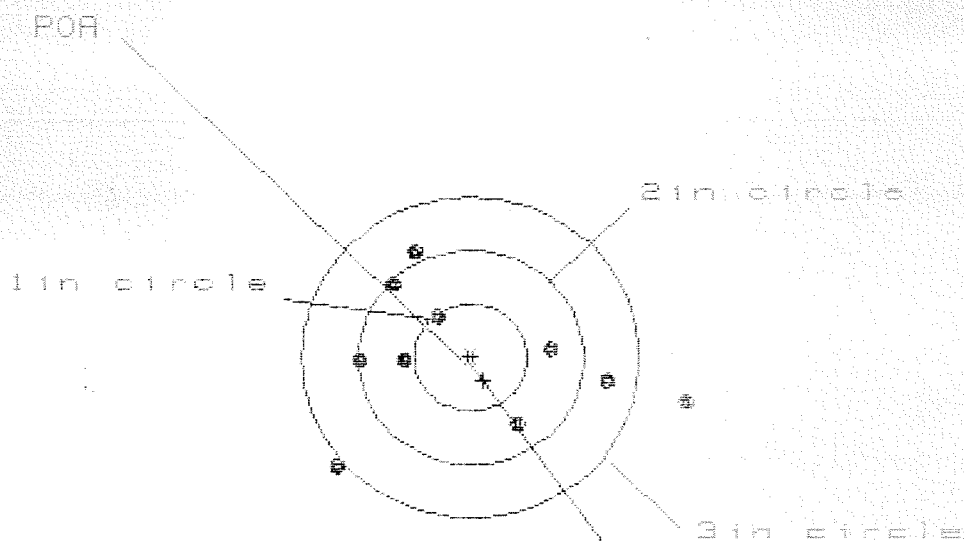
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.653	1.475	1.075
MINIMUM X	:	-1.599	-1.155	-1.971
MAXIMUM Y	:	1.198	1.131	1.106
MINIMUM Y	:	-.904	-.971	-.996
CENTROID X	:	-.036	.142	-.042
CENTROID Y	:	.034	.101	.126
POA TO CENTROID in.	:	.049	.174	.133
MIN RADIUS	:	.660	.632	.576
MEAN RADIUS	:	1.137	1.053	.992
MAX RADIUS	:	1.708	1.614	1.469
HORIZONTAL SPREAD	:	3.252	2.630	2.046
VERTICAL SPREAD	:	2.102	2.102	2.102
EXTREME SPREAD	:	3.285	2.945	2.653
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

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FILE:/PATTERNING/CENTERFIRE_PATT/0864B335

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 3.039

VS= 1.998

GS= 3.100

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.862	1.457	1.336
MINIMUM X	-1.177	-.970	-.924
MAXIMUM Y	1.010	.968	.839
MINIMUM Y	-.989	-1.030	-.738
CENTROID X	-.110	-.317	-.196
CENTROID Y	.216	.257	.386
POA TO CENTROID in.	.242	.408	.433
MIN RADIUS	.471	.364	.281
MEAN RADIUS	1.038	.905	.839
MAX RADIUS	1.900	1.479	1.389
HORIZONTAL SPREAD	3.039	2.427	2.260
VERTICAL SPREAD	1.998	1.998	1.577
EXTREME SPREAD	3.100	2.549	2.266
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 5		
NUMBER IN THREE INCH CIRCLE	= 8		