

C6636196

MODEL 700™ M24

Model **SMS**™

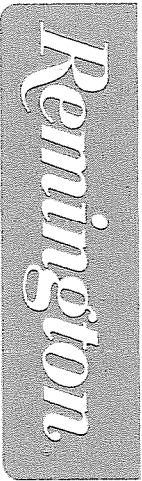
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.





Remington		DU PONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700 TM H24		SERIAL NO. C6636196	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		20	



5716 C6636196

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636196

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 8	9 1	RW
600	Proof	4 8	9 1	RW
607	Check Headspace	4 8	9 1	RW
610	Dis-assemble Gun	4 8	9 1	RW
612	Magnaflux Barrel Action	APR	9 1991	KR
	Magnaflux Bolt	APR	9 1991	"
615	Rollmark Caliber	APR	9 1991	GS.
617	Drill and Tap Sight Holes	APR	1 9 1991	LS
618	Polish Barrel	APR	1 9 1991	WS
620	Apply Coatings (Barrel Action)		5-10-91	HA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/14/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/14/91	RW
	C) Inspect Ejector Hole for Chamfer		5/14/91	RW
	D) Oil Firing Pin Ass'y		5/14/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6-4-91	JP

Op. #	BARBER - M24 0038792 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			6-4-91	JH
	G) Safety Off Force	3	3	3			6-4-91	JH
	H) Trigger Pull Test & Retainability						6-4-91	JH
	I) Firing Pin Indent	1021	1022	1022			6-4-91	JH
	J) Assemble Stock						6/4/91	RW
	K) Assemble Swivel Studs						6-13-91	L
	L) Attach Front and Rear Sight Assemblies						6/4/91	RW
	M) Iron Sight Alignment						6/4/91	RW
	N) Detach Front & Rear Sights & place in numbered container						6/4/91	RW
	O) Attach Scope to Rifle						6/4/91	RW
	P) Detach & Attach Scope 20 Times						6/4/91	RW
640	Gallery Target & Test						6-4-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						6-4-91	NF
655	Final Inspection							
	A) Headspace						6-13-91	AC
	B) Trigger Pull	2.69	2.53	2.47	2.47	2.42	6-13-91	JH
	C) Function						6-13-91	AC
660	Pack						6-20-91	NF

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

SERIAL NO. C6636196DATE 6-4-91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.40	2.48	2.69	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.20	2.41	2.35	2.53	
PULL #3	2.30	2.43	2.39	2.47	
PULL #4	2.36	2.33	2.43	2.47	
PULL #5	2.33	2.36	2.44	2.42	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.54	3.49		
PULL #2	3.52	3.45		
PULL #3	3.52	3.37		
PULL #4	3.48	3.45		
PULL #5	3.49	3.32		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.35		4.38
PULL #2	4.39	4.27		4.36
PULL #3	4.34	4.28		4.33
PULL #4	4.36	4.27		4.23
PULL #5	4.47	4.28		4.37
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636196
4 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.556103
1 TO	2	1.03357
1 TO	3	.708613
1 TO	4	1.09952
1 TO	5	.970206

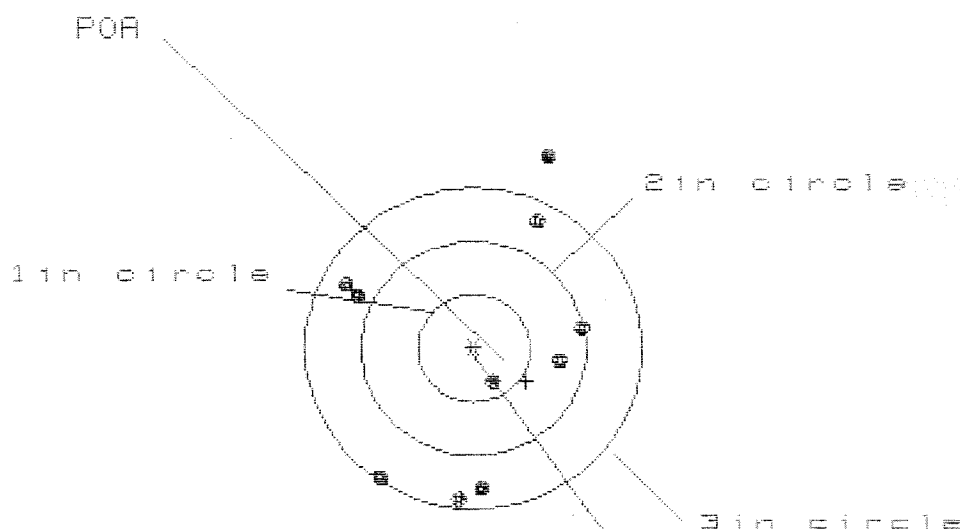
$\frac{1}{5} \pm \frac{1}{5} \pm \frac{1}{5} \pm \frac{1}{5} \pm \frac{1}{5}$ <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0588
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2158
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .223667
THE AMR FOR THIS RIFLE IS: 1.158

4 Jun 1991

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CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 1

2in = 3

3in = 9

HS = 2.078

VS = 3.202

GS = 3.297

CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.946	1.018	.923
MINIMUM X	:	-1.132	-1.060	-1.155
MAXIMUM Y	:	1.776	1.387	1.265
MINIMUM Y	:	-1.426	-1.229	-1.351
CENTROID X	:	-.465	-.537	-.442
CENTROID Y	:	.305	.108	.230
POA TO CENTROID in.	:	.556	.547	.499
MIN RADIUS	:	.328	.272	.254
MEAN RADIUS	:	1.194	1.098	1.066
MAX RADIUS	:	1.889	1.546	1.396
HORIZONTAL SPREAD	:	2.078	2.078	2.078
VERTICAL SPREAD	:	3.202	2.616	2.616
EXTREME SPREAD	:	3.297	2.765	2.722
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	9		

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CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 2

2in = 4

3in = 6

HS = 2.328

VS = 4.698

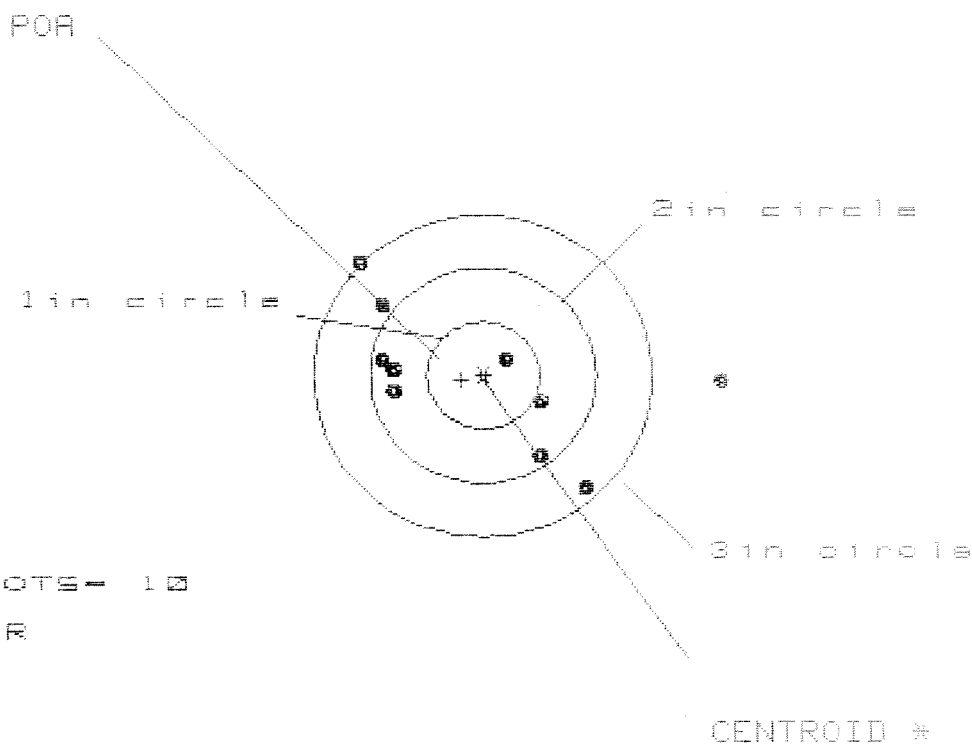
GS = 4.698

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.933	.996	1.072
MINIMUM X	:	-1.395	-1.332	-1.256
MAXIMUM Y	:	1.707	1.375	1.264
MINIMUM Y	:	-2.991	-1.454	-1.282
CENTROID X	:	.373	.310	.234
CENTROID Y	:	-.300	.032	-.139
POA TO CENTROID in.	:	.479	.312	.272
MIN RADIUS	:	.266	.260	.284
MEAN RADIUS	:	1.295	1.044	.969
MAX RADIUS	:	3.044	1.972	1.795
HORIZONTAL SPREAD	:	2.328	2.328	2.328
VERTICAL SPREAD	:	4.698	2.829	2.547
EXTREME SPREAD	:	4.698	3.434	3.309
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=			6

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 3.203

VS= 2.069

GS= 3.385

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.154	1.173	1.072
MINIMUM X	:	-1.049	-.810	-.772
MAXIMUM Y	:	1.062	1.058	.822
MINIMUM Y	:	-1.007	-1.011	-.878
CENTROID X	:	.193	-.046	.055
CENTROID Y	:	.042	.046	-.087
POA TO CENTROID in.	:	.198	.065	.103
MIN RADIUS	:	.288	.487	.477
MEAN RADIUS	:	1.030	.873	.821
MAX RADIUS	:	2.154	1.548	1.386
HORIZONTAL SPREAD	:	3.203	1.983	1.844
VERTICAL SPREAD	:	2.069	2.069	1.700
EXTREME SPREAD	:	3.385	2.866	2.460
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 6

HS = 3.541

VS = 3.709

GS = 4.164

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.958	1.782	1.697
MINIMUM X	:	-1.583	-1.982	-1.067
MAXIMUM Y	:	1.573	1.397	1.108
MINIMUM Y	:	-2.136	-2.312	-1.322
CENTROID X	:	.101	.277	.362
CENTROID Y	:	-.483	-.307	-.018
POA TO CENTROID in.	:	.493	.413	.363
MIN RADIUS	:	.021	.234	.210
MEAN RADIUS	:	1.212	1.081	.873
MAX RADIUS	:	2.239	2.410	1.703
HORIZONTAL SPREAD	:	3.541	2.764	2.764
VERTICAL SPREAD	:	3.709	3.709	2.430
EXTREME SPREAD	:	4.164	4.020	3.128
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		6	

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CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 3.617

VS= 2.884

GS= 4.090

CENTROID *

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.631
MINIMUM X	-1.986
MAXIMUM Y	1.240
MINIMUM Y	-1.644
CENTROID X	.092
CENTROID Y	-.643
POA TO CENTROID in.	.649
MIN RADIUS	.233
MEAN RADIUS	1.057
MAX RADIUS	2.578
HORIZONTAL SPREAD	3.617
VERTICAL SPREAD	2.884
EXTREME SPREAD	4.090
NUMBER IN ONE INCH CIRCLE	2
NUMBER IN TWO INCH CIRCLE	5
NUMBER IN THREE INCH CIRCLE	8