

C6649103

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

Includes 1 in chamber.

Remington

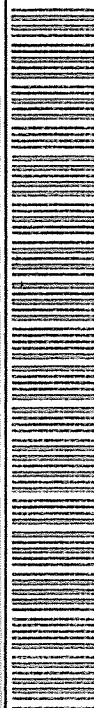
Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700™ M24

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

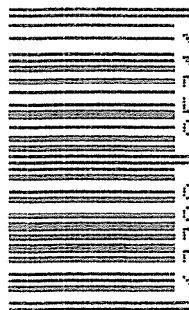
VERY IMPORTANT:
 Instruction Book
 enclosed to assure
 safe use of this
 firearm.

SERIAL NO. C6649103	ORDER NO. 5716
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5716 C6649103

UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649103

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	FB
618	Polish Barrel		7/27/91	WB
620	Apply Coatings (Barrel Action)		8-2-91	FB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/28/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/28/91	RW
	C) Inspect Ejector Hole for Chamfer		8/28/91	RW
	D) Oil Firing Pin Ass'y		8/28/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9-4-91	DH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 $\frac{3}{4}$	6	6			9-4-91	DH
	G) Safety Off Force	3	3	3			9-4-91	DH
	H) Trigger Pull Test & Retainability						9-4-91	DH
	I) Firing Pin Indent	.020	.020	.021			9-4-91	DH
	J) Assemble Stock						9/5/91	RW
	K) Assemble Swivel Studs						9-10-91	AC
	L) Attach Front and Rear Sight Assemblies						9/5/91	RW
	M) Iron Sight Alignment						9/5/91	RW
	N) Detach Front & Rear Sights & place in numbered container						9/5/91	RW
	O) Attach Scope to Rifle						9/5/91	RW
	P) Detach & Attach Scope 20 Times						9/5/91	RW
640	Gallery Target & Test						9-5-91	AC
	A) Time						9-5-91	AC
	B) Malfunctions						9-5-91	AC
	C) Pierced Primers						9-5-91	AC
	D) Optical Clarity of Scope						9-5-91	AC
645	Inspect for Live Ammo						9-5-91	AC
655	Final Inspection							
	A) Headspace						9-10-91	AC
	B) Trigger Pull	2.34	2.32	2.34	2.39	2.39	9-6-91	DH
	C) Function						9-10-91	AC
660	Pack						9-7-91	DH

TIME STAMP

SWS TRIGGER PULL TEST

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

SERIAL NO. C6649103
DATE 7-4-91
TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.73	2.61	2.34	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.63	2.67	2.32	
PULL #3	2.34	2.34	2.51	2.34	
PULL #4	2.34	2.31	2.77	2.39	
PULL #5	2.46	2.61	2.61	2.39	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.18	3.54		
PULL #2	3.28	3.01		
PULL #3	3.40	3.62		
PULL #4	3.56	3.60		
PULL #5	3.55	3.71		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.00		4.06
PULL #2	4.33	4.32		4.01
PULL #3	4.21	4.13		4.07
PULL #4	4.19	4.38		4.33
PULL #5	4.27	4.06		4.28
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06649103
5 Sep 1991

CENTROIDAL DISTANCES

0 TO	1	.0655134
1 TO	2	.144014
1 TO	3	.393081
1 TO	4	.155261
1 TO	5	.0780064

43 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0344
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0612
THE PRESENT AVERAGE POI RADIUS FOR THIS RIFLE IS: .03442
THE POI FOR THIS RIFLE IS: .8614

FOR



Chemical structures of 1,2-dichloroethane, 1,1-dichloroethane, 1,1,2-trichloroethane, and 1,1,1-trichloroethane.

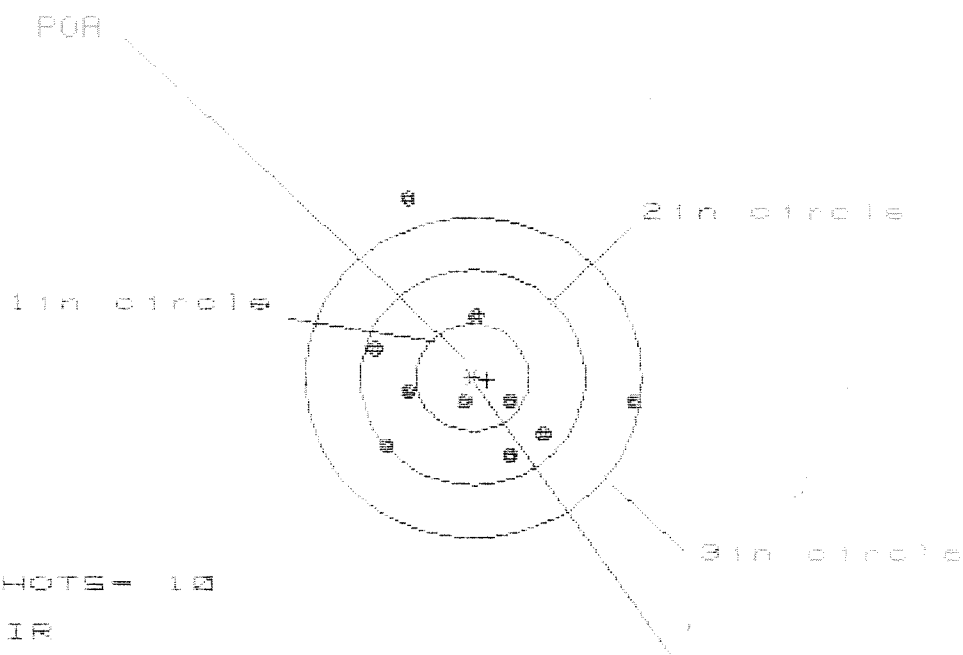
CENTROID

M2400064891

060 (59)

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CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 2

2in = 7

3in = 9

HS = 2.558

VS = 2.349

CS = 2.695

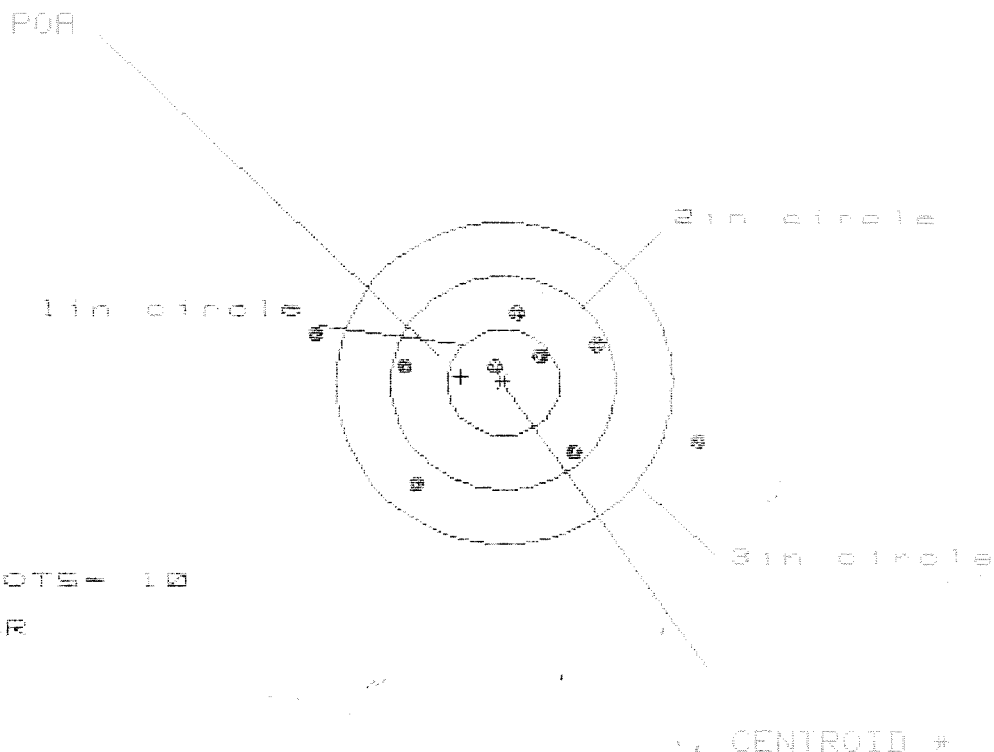
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.454	1.394	.773
MINIMUM X	:	-.905	-.965	-.791
MAXIMUM Y	:	1.645	.733	.734
MINIMUM Y	:	-.705	-.522	-.521
CENTROID X	:	-.128	-.068	-.242
CENTROID Y	:	.024	-.158	-.159
POR TO CENTROID in.	:	.130	.172	.290
MIN RADIUS	:	.243	.162	.042
MEAN RADIUS	:	.854	.726	.626
MAX RADIUS	:	1.729	1.394	.938
HORIZONTAL SPREAD	:	2.359	2.359	1.564
VERTICAL SPREAD	:	2.349	1.255	1.255
EXTREME SPREAD	:	2.695	2.410	1.755
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Sep 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 8

HS= 3.388

VS= 1.549

GS= 3.537

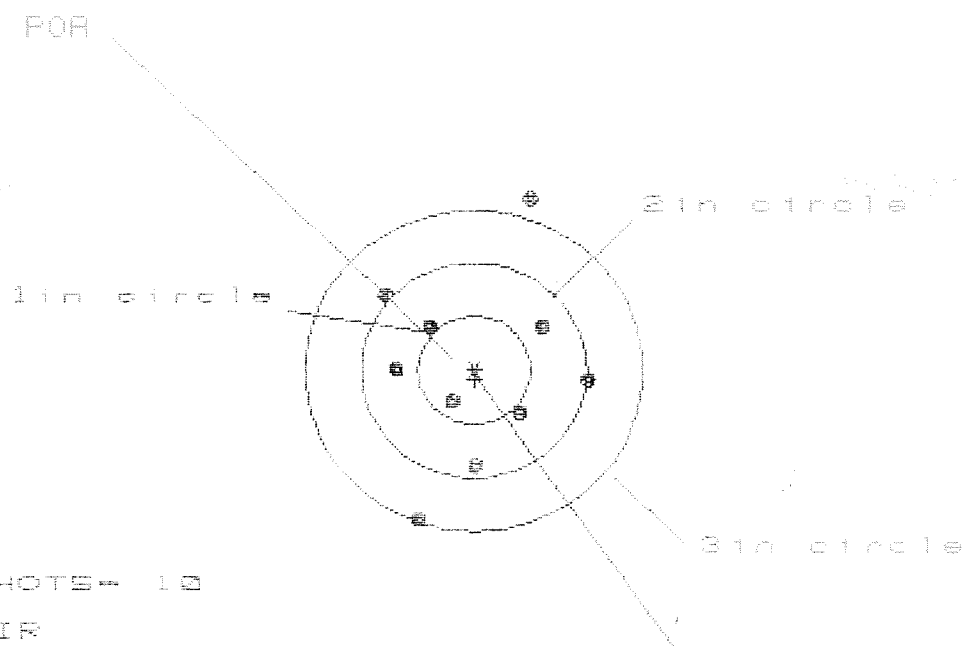
PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.782	1.816	.829
MINIMUM X	:	-1.687	-1.498	-.891
MAXIMUM Y	:	.614	.551	.680
MINIMUM Y	:	-.935	-.998	-.949
CENTROID X	:	.379	.190	.378
CENTROID Y	:	-.056	.007	-.042
POA TO CENTROID in.	:	.383	.190	.380
MIN RADIUS	:	.170	.082	.157
MEAN RADIUS	:	.882	.771	.656
MAX RADIUS	:	1.792	1.548	1.247
HORIZONTAL SPREAD	:	3.389	2.514	1.720
VERTICAL SPREAD	:	1.549	1.549	1.549
EXTREME SPREAD	:	3.537	2.558	2.875
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1in = 1

2in = 7

3in = 9

HS= 1.744

VS= 2.996

GS= 3.148

CENTROID *

PATTERN #			
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.983	1.037	.982
MINIMUM X	-.761	-.707	-.762
MAXIMUM Y	1.608	.861	.710
MINIMUM Y	-1.388	-1.209	-.898
CENTROID X	-.005	-.059	-.004
CENTROID Y	.091	-.088	.063
POA TO CENTROID in.	.091	.106	.063
MIN RADIUS	.341	.162	.317
MEAN RADIUS	.896	.787	.725
MAX RADIUS	1.678	1.284	1.041
HORIZONTAL SPREAD	1.744	1.744	1.744
VERTICAL SPREAD	2.996	2.070	1.608
EXTREME SPREAD	3.148	2.088	1.919
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	9	

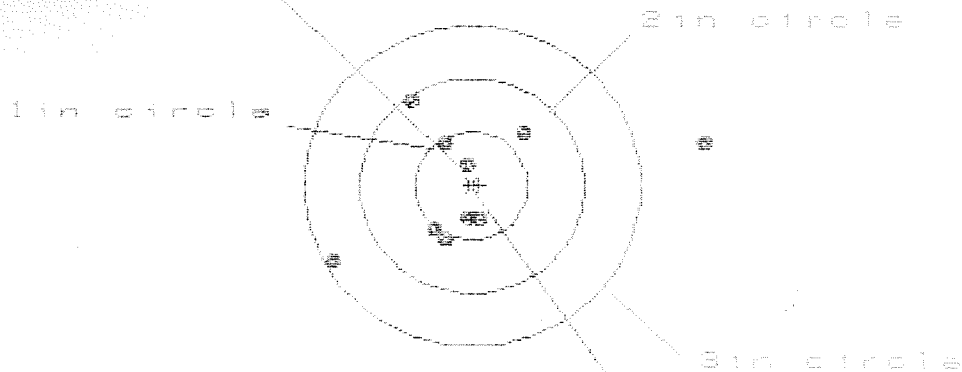
5 Sep 1991

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CENTERFIRE PATTERNS

5

FOR



OF SHOTS = 12

IN CIR

1in = 4

2in = 8

3in = 8

HS = 3.370

VS = 1.460

GS = 6.553

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.099	.705	.578
MINIMUM X	:	-1.271	-1.038	-.410
MAXIMUM Y	:	.767	.815	.734
MINIMUM Y	:	-.693	-.645	-.548
CENTROID X	:	-.060	-.293	-.164
CENTROID Y	:	-.001	-.049	.032
FOR TO CENTROID IN.	:	.060	.297	.167
MIN RADIUS	:	.184	.323	.179
MEAN RADIUS	:	.750	.584	.484
MAX RADIUS	:	2.143	1.222	.841
HORIZONTAL SPREAD	:	3.370	1.743	.986
VERTICAL SPREAD	:	1.460	1.460	1.291
EXTREME SPREAD	:	6.553	2.085	1.302
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	