

06587729

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smead®

Remington
MODEL 700™ H24

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

DUPONT
REG. U.S. PAT. & TM. OFF.

SERIAL NO.
C6587729

ORDER NO.
5716

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

5716 C6587729

UPC

0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587729

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 9 90	90	RW
600	Proof	10 9 90	90	RW
607	Check Headspace	10 9 90	90	RW
610	Dis-assemble Gun	10 9 90	90	RW
612	Magnaflux Barrel Action		10/17/90	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LL
617	Drill and Tap Sight Holes		10/18/90	LB
618	Polish Barrel RWB		10/19/90	WB
620	Apply Coatings (Barrel Action)		11-5-90	JA
	Apply Coating (Bolt)		11-5-90	JA
625	Final Assembly A) Clean inside of Bolt Assembly		11/7/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/7/90	RW
	C) Inspect Ejector Hole for Chamfer		11/7/90	RW
	D) Oil Firing Pin Ass'y		11/7/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11-13-90	MM

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 $\frac{3}{4}$	3 $\frac{3}{4}$	3 $\frac{3}{4}$			11/13/90	WB
	G) Safety Off Force	2	2	2			11/13/90	WB
	H) Trigger Pull Test & Retainability						11-13-90	JH
	I) Firing Pin Indent	.021	.021	.021			11/13/90	WB
	J) Assemble Stock						11/13/90	RW
	K) Assemble Swivel Studs						11-19-90	DH
	L) Attach Front and Rear Sight Assemblies						11/13/90	RW
	M) Iron Sight Alignment						11/13/90	RW
	N) Detach Front & Rear Sights & place in numbered container						11/13/90	RW
	O) Attach Scope to Rifle						11/13/90	RW
		P) Detach & Attach Scope 20 Times						11/13/90
640	Gallery Target & Test						11/14/90	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						11/14/90	NF
655	Final Inspection							
	A) Headspace						11-19-90	DH
	B) Trigger Pull	2.72	2.92	2.83	2.93	2.84	11-19-90	DH
	C) Function						11-19-90	DH
660	Pack						12-17-90	DH

SWS TRIGGER PULL TEST

BARBER - M24 0025981

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6587729

DATE 11-13-90

TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.39	2.46	2.72	MIN. SETTING,
PULL #2	2.28	2.43	2.45	2.92	NO AVG. OF 5
PULL #3	2.29	2.38	2.39	2.83	READINGS ACCEPT-
PULL #4	2.45	2.47	2.42	2.93	ABLE LESS THAN 2#
PULL #5	2.45	2.41	2.48	2.89	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.38	3.24		
PULL #2	3.31	3.36		
PULL #3	3.26	3.46		
PULL #4	3.39	3.36		
PULL #5	3.42	3.36		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	4.27		4.28
PULL #2	4.27	4.13		4.25
PULL #3	4.21	4.16		4.25
PULL #4	4.29	4.15		4.32
PULL #5	4.26	4.12		4.30
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587729
15 Nov 1990

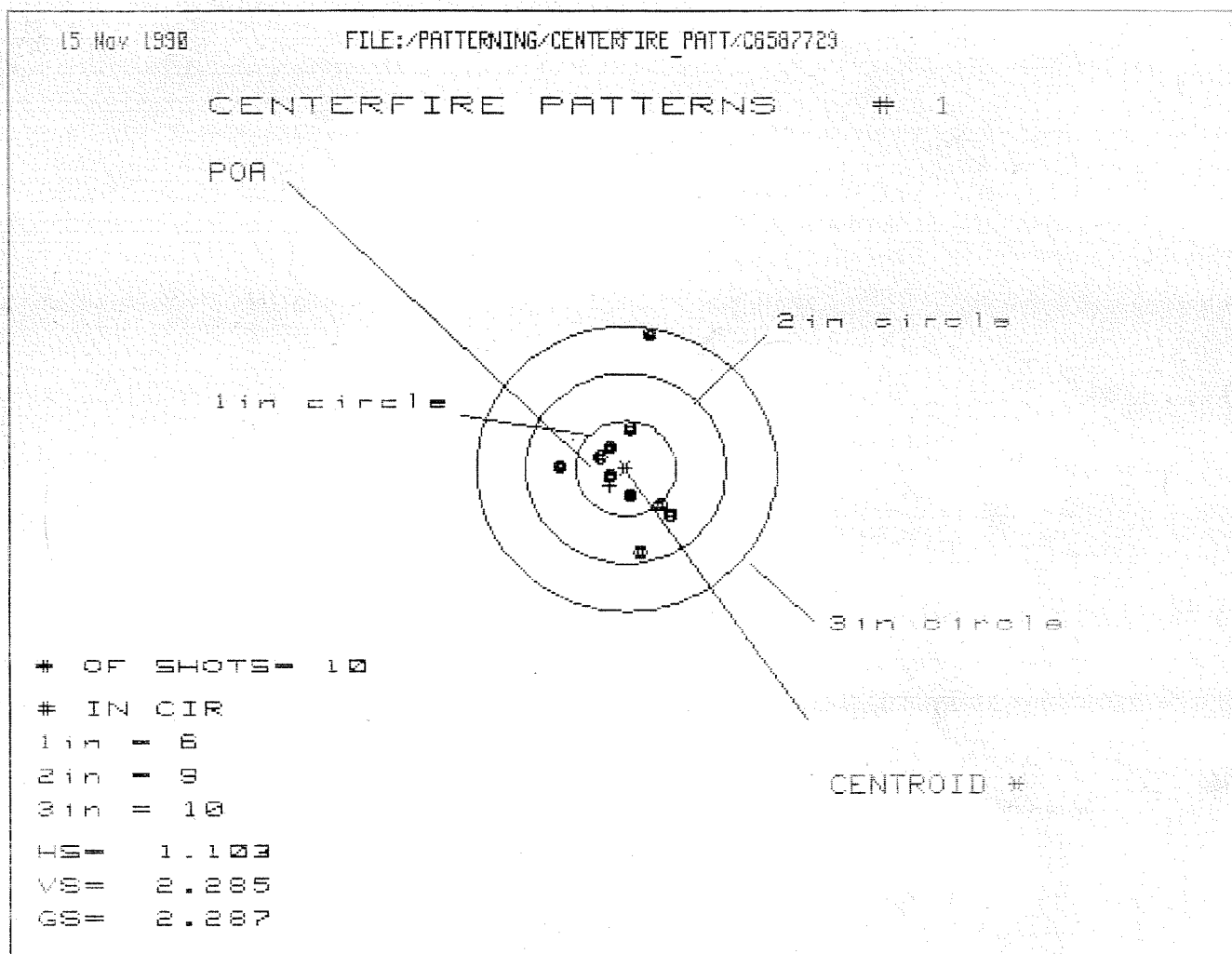
CENTROIDAL DISTANCES

0 TO	1	.240832
1 TO	2	.337535
1 TO	3	.553914
1 TO	4	.50612
1 TO	5	.399451

21
495 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0096
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0666
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0672883

THE AMR FOR THIS RIFLE IS: .8522

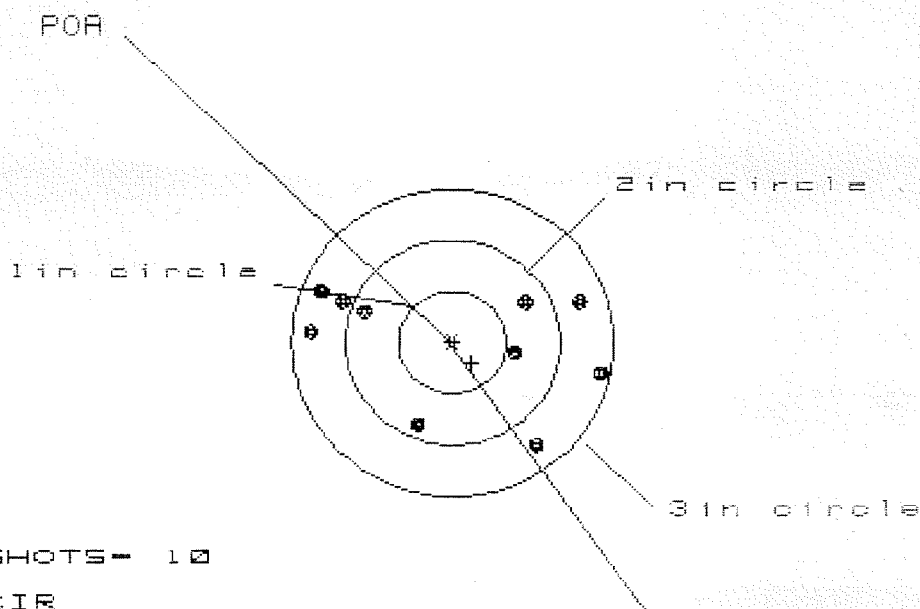


PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.435	.466	.491
MINIMUM X	:	-.667	-.637	-.612
MAXIMUM Y	:	1.394	.573	.480
MINIMUM Y	:	-.891	-.736	-.409
CENTROID X	:	.160	.130	.105
CENTROID Y	:	.180	.025	.118
POA TO CENTROID in.	:	.241	.133	.157
MIN RADIUS	:	.184	.110	.101
MEAN RADIUS	:	.558	.443	.393
MAX RADIUS	:	1.420	.764	.639
HORIZONTAL SPREAD	:	1.103	1.103	1.103
VERTICAL SPREAD	:	2.285	1.309	.890
EXTREME SPREAD	:	2.287	1.322	1.206
NUMBER IN ONE INCH CIRCLE	=	6		
NUMBER IN TWO INCH CIRCLE	=	9		
NUMBER IN THREE INCH CIRCLE	=	10		

15 Nov 1998

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CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 4

3 in = 10

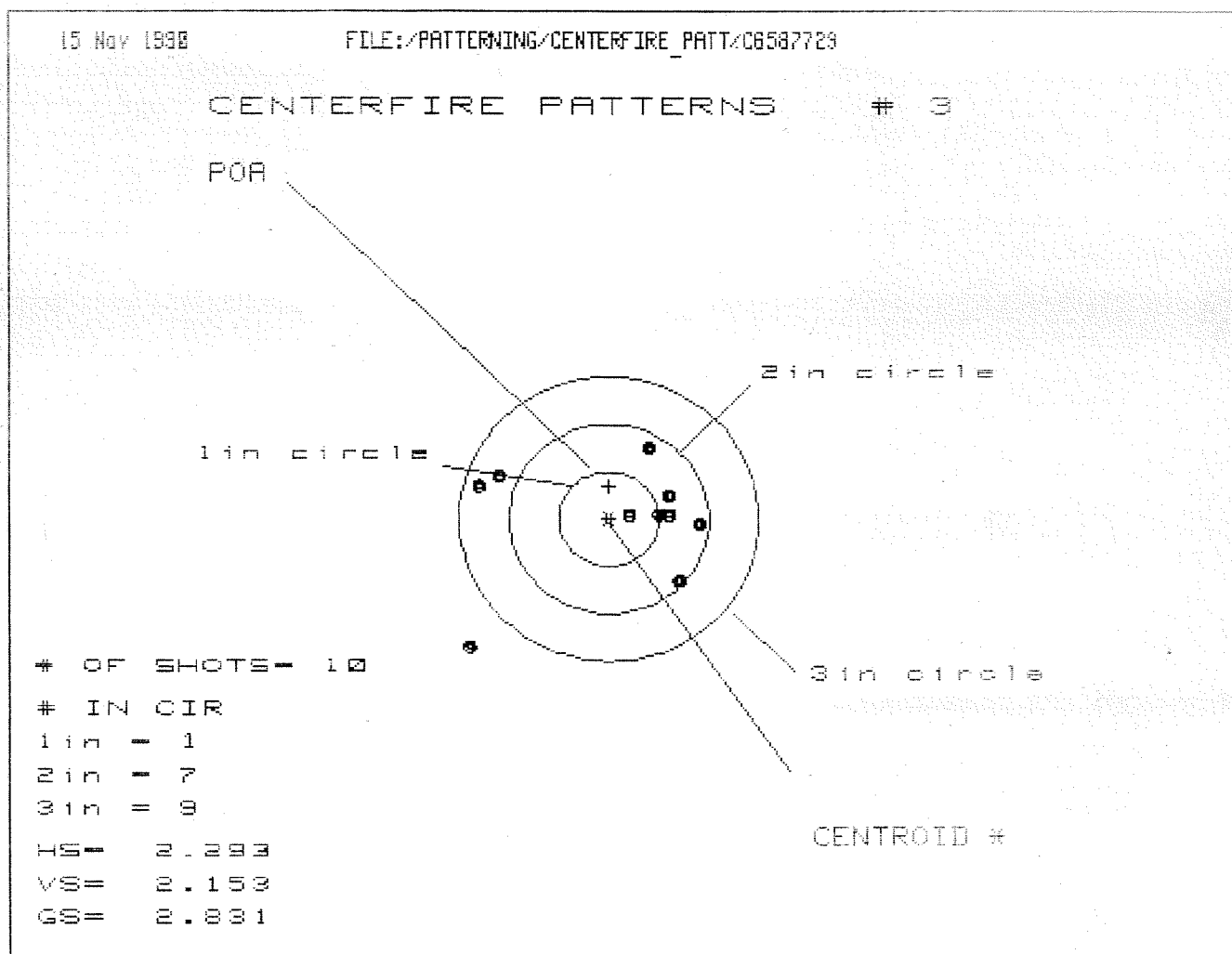
HS = 2.693

VS = 1.461

GS = 2.724

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.329	1.178	1.205
MINIMUM X	:	-1.364	-1.347	-1.200
MAXIMUM Y	:	.512	.526	.493
MINIMUM Y	:	-.949	-.935	-.968
CENTROID X	:	-.177	-.026	-.173
CENTROID Y	:	.199	.185	.218
POA TO CENTROID in.	:	.266	.186	.278
MIN RADIUS	:	.636	.486	.636
MEAN RADIUS	:	1.076	1.024	1.004
MAX RADIUS	:	1.370	1.447	1.298
HORIZONTAL SPREAD	:	2.693	2.525	2.405
VERTICAL SPREAD	:	1.461	1.461	1.461
EXTREME SPREAD	:	2.724	2.646	2.480
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

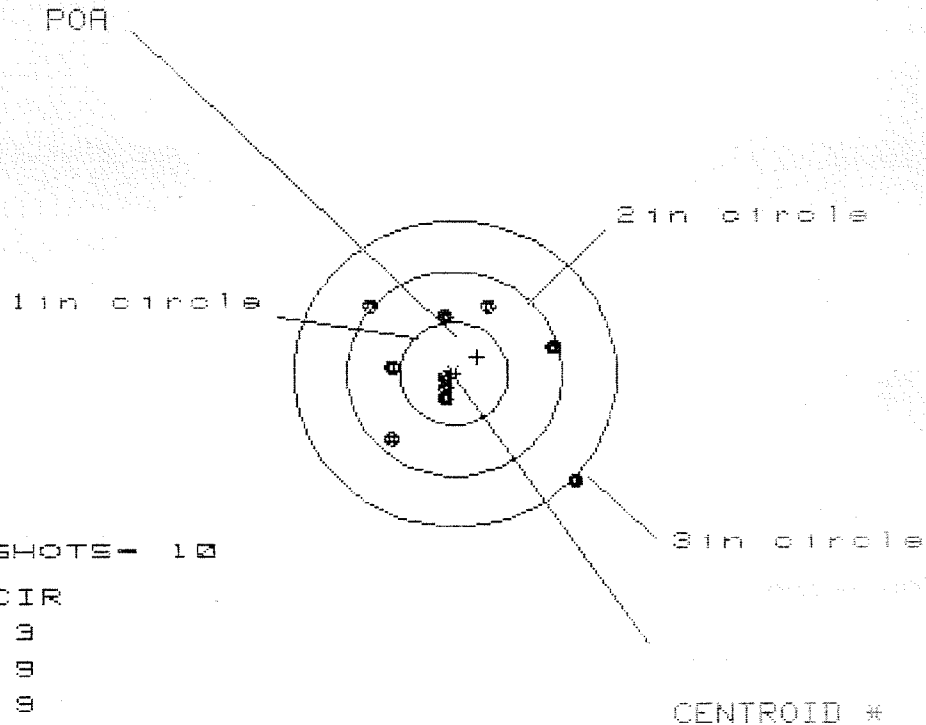


PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.869	.711	.524
MINIMUM X	-1.424	-1.501	-1.455
MAXIMUM Y	.768	.614	.642
MINIMUM Y	-1.385	-.793	-.765
CENTROID X	-.001	.157	.344
CENTROID Y	-.350	-.196	-.224
POA TO CENTROID in.	.350	.251	.411
MIN RADIUS	.248	.129	.126
MEAN RADIUS	.924	.726	.542
MAX RADIUS	1.986	1.517	1.498
HORIZONTAL SPREAD	2.293	2.212	1.979
VERTICAL SPREAD	2.153	1.407	1.407
EXTREME SPREAD	2.831	2.288	2.135
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 9

3 in = 9

HS= 1.866

VS= 1.675

GS= 2.508

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.130	1.010	.933
MINIMUM X	:	-.736	-.610	-.573
MAXIMUM Y	:	.659	.546	.572
MINIMUM Y	:	-1.016	-.723	-.655
CENTROID X	:	-.214	-.340	-.263
CENTROID Y	:	-.161	-.048	-.116
POA TO CENTROID in.	:	.268	.343	.288
MIN RADIUS	:	.069	.186	.099
MEAN RADIUS	:	.661	.564	.514
MAX RADIUS	:	1.520	1.019	.955
HORIZONTAL SPREAD	:	1.866	1.620	1.506
VERTICAL SPREAD	:	1.675	1.269	1.227
EXTREME SPREAD	:	2.508	1.717	1.717
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			9	
NUMBER IN THREE INCH CIRCLE =			9	

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CENTERFIRE PATTERNS

5

POB

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 9

HS= 2.813

VS= 1.884

GS= 2.817

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.415	1.260	1.063
MINIMUM X	:	-1.398	-1.197	-1.040
MAXIMUM Y	:	1.031	.965	.900
MINIMUM Y	:	-.853	-.919	-.984
CENTROID X	:	.280	.435	.278
CENTROID Y	:	-.201	-.135	-.070
POB TO CENTROID in.	:	.344	.455	.286
MIN RADIUS	:	.475	.341	.511
MEAN RADIUS	:	1.042	.977	.928
MAX RADIUS	:	1.519	1.363	1.153
HORIZONTAL SPREAD	:	2.813	2.457	2.102
VERTICAL SPREAD	:	1.884	1.884	1.884
EXTREME SPREAD	:	2.817	2.685	2.206
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	