

C6498826

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	New mag. Box OK	9/ 9/ 90
TEST		
TGT		
PROOF		RW
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

MOD. 700SW5 GA. 308 GUN # C6498826
 CAL. 308

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	Magazine loaded Hard 5th Rd.	KS
	2nd		
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498826

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 12 90		RW
600	Proof	7 12 90		RW
607	Check Headspace	7 12 90		RW
610	Dis-assemble Gun	LB 90		RW
612	Magnaflux Barrel Action		7-17-90	KR
	Magnaflux Bolt		7-17-90	KR
615	Rollmark Caliber		7-17-90	GL
617	Drill and Tap Sight Holes		7/23/90	FB
618	Polish Barrel RB		7/24/90	WB
620	Apply Coatings (Barrel Action)		7-26-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake		8/22/90	AC

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4			8/22/90	WB
	G) Safety Off Force	2	2	2 1/4			8/22/90	WB
	H) Trigger Pull Test & Retainability						8/22/90	KC
	I) Firing Pin Indent	.024	.0235	.0235			8/22/90	WB
	J) Assemble Stock						8/22/90	KS
	K) Assemble Swivel Studs						8/31/90	JS
	L) Attach Front and Rear Sight Assemblies						8/22/90	KS
	M) Iron Sight Alignment						8/22/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/22/90	KS
	O) Attach Scope to Rifle						8/22/90	KS
	P) Detach & Attach Scope 20 Times						8/22/90	KS
640	Gallery Target & Test						8/23/90	NF
	A) Time						8/23/90	NF
	B) Malfunctions						8/23/90	NF
	C) Pierced Primers						8/23/90	NF
	D) Optical Clarity of Scope						8/23/90	NF
645	Inspect for Live Ammo						8/23/90	NF
655	Final Inspection							
	A) Headspace						8/31/90	JS
	B) Trigger Pull	2.48	2.45	2.37	2.48	2.42	8/31/90	JS
	C) Function						8/31/90	JS
660	Pack						9/20/90	NF

MOD. 700 SWS GA. 508 GUN # C6498826
 CAL. 508

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	check front Screw in Floor Plate	KS
	2nd		
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	Front Screw OK	9/
TEST		9/
TGT		Ru
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50#+ .50#

3.00#+ .75#

4.00#+1.00#

SERIAL NO. C6498826

DATE Aug 22 1990

TESTER A.C.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.54	2.43	2.40	2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.54	2.47	2.40	2.45	
PULL #3	2.54	2.45	2.37	2.37	
PULL #4	2.51	2.49	2.34	2.48	
PULL #5	2.60	2.36	2.34	2.42	
TOTAL	12.73	12.20	11.85	12.20	
AVG.	2.54	2.44	2.35	2.44	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	3.59		
PULL #2	3.32	3.54		
PULL #3	3.36	3.52		
PULL #4	3.30	3.52		
PULL #5	3.38	3.44		
TOTAL	16.71	17.61		
AVG.	3.34	3.52		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.42		4.24
PULL #2	4.16	4.49		4.23
PULL #3	4.18	4.49		4.29
PULL #4	4.14	4.56		4.34
PULL #5	4.22	4.51		4.26
TOTAL	20.93	22.47		21.36
AVG.	4.23	4.49		4.27

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498826
24 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	1.17208
1 TO	2	1.12392
1 TO	3	1.46918
1 TO	4	.346136
1 TO	5	.848757

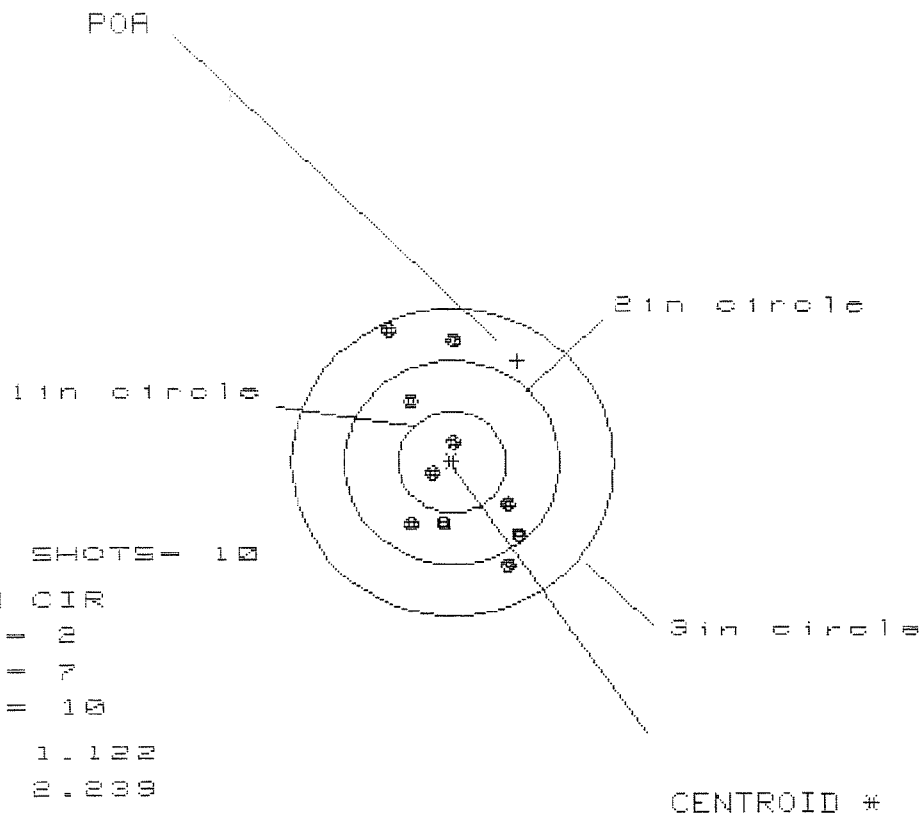
$\begin{array}{c} + \\ 5 \\ 1 \end{array}$
 $\begin{array}{c} 3 \\ 2 \end{array}$
 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0332
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.7316
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .732353
 THE AMR FOR THIS RIFLE IS: .7782

24 Aug 1998

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CENTERFIRE PATTERNS # 1



PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.572	.510	.505
MINIMUM X	-.550	-.485	-.490
MAXIMUM Y	1.279	1.339	.952
MINIMUM Y	-.960	-.818	-.650
CENTROID X	-.613	-.551	-.546
CENTROID Y	-.999	-1.141	-1.309
POA TO CENTROID in.	1.172	1.267	1.418
MIN RADIUS	.191	.266	.280
MEAN RADIUS	.768	.680	.573
MAX RADIUS	1.393	1.340	1.071
HORIZONTAL SPREAD	1.122	.995	.995
VERTICAL SPREAD	2.239	2.157	1.602
EXTREME SPREAD	2.486	2.218	1.864
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS= .869

VS= 2.079

GS= 2.087

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.360	.373	.412
MINIMUM X	:	-.509	-.496	-.457
MAXIMUM Y	:	.991	.870	.704
MINIMUM Y	:	-1.089	-.818	-.710
CENTROID X	:	.506	.493	.454
CENTROID Y	:	-1.104	-.983	-1.091
POA TO CENTROID in.	:	1.214	1.099	1.182
MIN RADIUS	:	.342	.327	.386
MEAN RADIUS	:	.666	.601	.568
MAX RADIUS	:	1.095	.955	.842
HORIZONTAL SPREAD	:	.869	.869	.869
VERTICAL SPREAD	:	2.079	1.688	1.414
EXTREME SPREAD	:	2.087	1.869	1.469
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS = 1.370

VS = 2.597

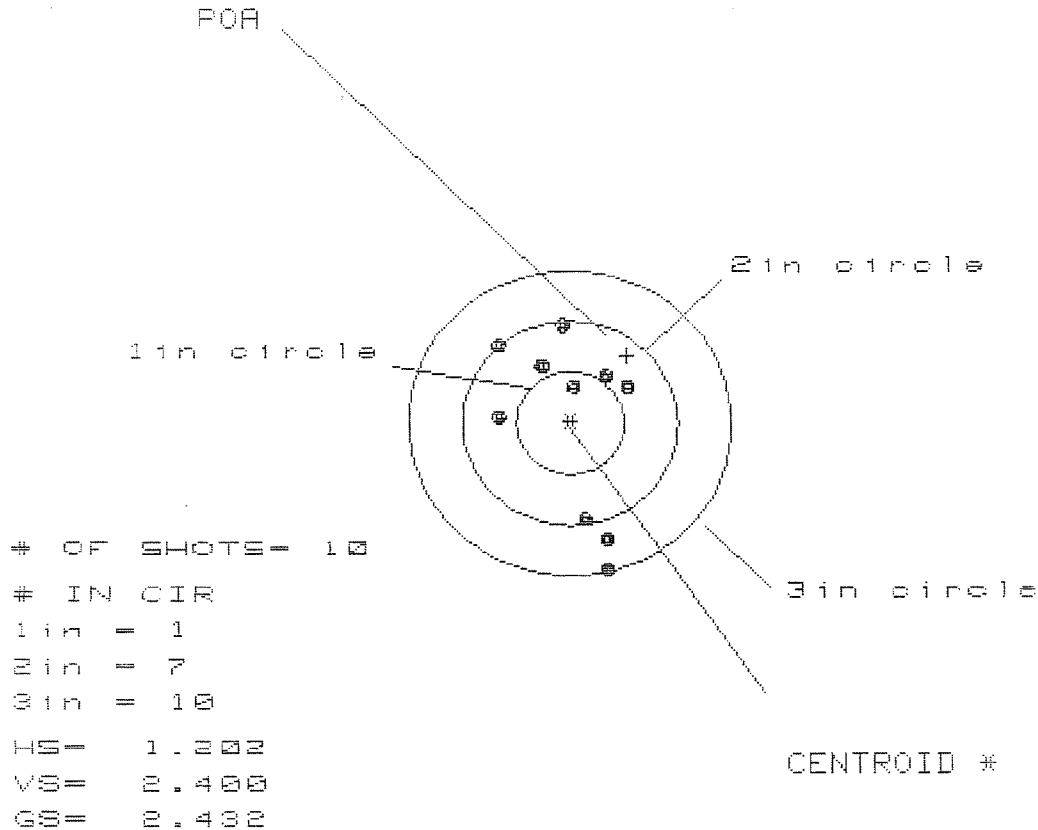
GS = 2.847

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.711	.660	.647
MINIMUM X	-.659	-.710	-.628
MAXIMUM Y	1.114	.949	.672
MINIMUM Y	-1.483	-1.014	-.895
CENTROID X	.708	.759	.677
CENTROID Y	-.356	-.191	-.310
POA TO CENTROID in.	.793	.783	.744
MIN RADIUS	.376	.247	.356
MEAN RADIUS	.794	.689	.630
MAX RADIUS	1.551	1.156	.920
HORIZONTAL SPREAD	1.370	1.370	1.275
VERTICAL SPREAD	2.597	1.963	1.567
EXTREME SPREAD	2.847	2.047	1.755
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		

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CENTERFIRE PATTERNS # 4

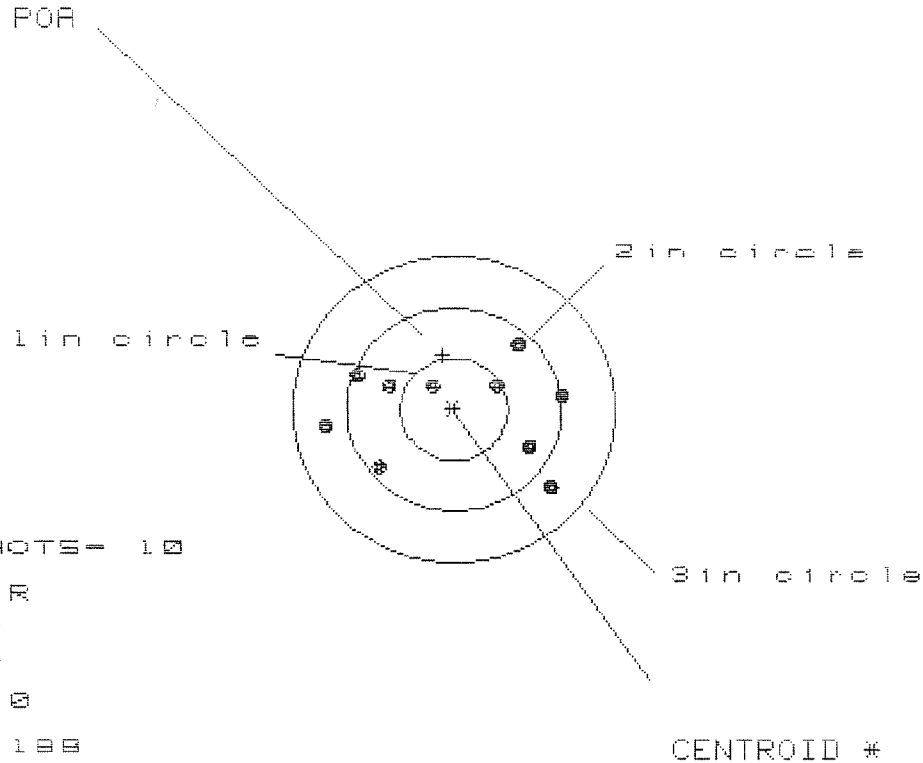


PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.510	.541	.587
MINIMUM X	-.692	-.661	-.615
MAXIMUM Y	.957	.797	.631
MINIMUM Y	-1.443	-1.326	-1.228
CENTROID X	-.534	-.565	-.611
CENTROID Y	-.662	-.502	-.336
POA TO CENTROID in.	.851	.756	.697
MIN RADIUS	.367	.220	.139
MEAN RADIUS	.838	.717	.583
MAX RADIUS	1.471	1.375	1.249
HORIZONTAL SPREAD	1.202	1.202	1.202
VERTICAL SPREAD	2.400	2.123	1.859
EXTREME SPREAD	2.432	2.168	1.877
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS = 2.188

VS = 1.362

GS = 2.215

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.015	.884	.979
MINIMUM X	-1.173	-1.050	-.956
MAXIMUM Y	.596	.574	.476
MINIMUM Y	-.766	-.788	-.655
CENTROID X	.099	.230	.136
CENTROID Y	-.537	-.515	-.417
POA TO CENTROID in.	.546	.564	.438
MIN RADIUS	.294	.330	.243
MEAN RADIUS	.825	.772	.716
MAX RADIUS	1.189	1.101	1.011
HORIZONTAL SPREAD	2.188	1.934	1.934
VERTICAL SPREAD	1.362	1.362	1.131
EXTREME SPREAD	2.215	2.123	1.945
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

Remington
MODEL 700™ M24

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

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

SERIAL NO.
C6498826

ORDER NO.
5716

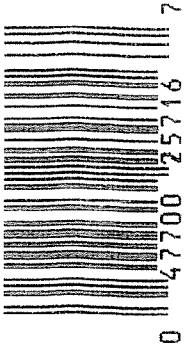
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