

C6498791

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 95-17769INITIAL
JJM

CUSTOMER ORDER NO.

WDG 6 OF 6 W/10X SCOPE DEPLOYMENT KIT
M-24 SNIPER

Scope S/N 90 0649

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

07/07/95

07/07/95

OK 7-90

C6498791

700 7.62

NATO

ACCESSORIES

SOFT CASE

HARD CASE

SCOPE BASE

SLING STRAP

W/STUDS

W/SWIVELS

FROM:

SHIP TO:

DEPT OF THE ARMY
USPFO FOR ALASKA - P O BOX B
CAMP DENALI
FT RICHARDSON AK 99505DEPT OF THE ARMY
USPFO FOR ALASKA - P O BOX B
CAMP DENALI
FT RICHARDSON AK 99505

CUST NO: 122221 C.O.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

7-19-96

UPS

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

BOLT ASSY.

B3

BARREL ASSY.

B4

REC. ASSY.

B5

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

PARTS

COMMENTS

New Stock
TRIGGER ASSY
Front & Rear Sight ~~ASSY~~

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400007860

SWS TRIGGER PULL TEST

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

SERIAL NO. C6498791

DATE 7-18-96

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.36	2.65	2.46	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.33	2.81	
PULL #3	2.30	2.59	2.70	
PULL #4	2.50	2.56	2.74	
PULL #5	2.44	2.32	2.45	
TOTAL	11.97	12.45	13.16	
AVG.	2.39	2.49	2.63	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.09	3.00	
PULL #2	3.13	3.33	
PULL #3	2.90	3.10	
PULL #4	3.24	3.28	
PULL #5	3.06	3.00	
TOTAL	15.42	15.71	
AVG.	3.08	3.14	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.03	4.04		4.25
PULL #2	4.09	3.94		4.28
PULL #3	4.17	3.94		4.00
PULL #4	4.09	4.00		4.05
PULL #5	4.26	4.16		4.26
TOTAL	20.64	20.08		20.84
AVG.	4.12	4.01		4.16

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			8/2	SF
	G) Safety Off Force	4	4	3.5			8/2	SF
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.0225	.022	.0225			8/2	SF
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection A) Headspace							
	B) Trigger Pull	2.77	2.65	2.68	2.73	2.73	8/2	SF
	C) Function							
660	Pack							

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	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			

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498791

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 29	50	RW
600	Proof	6 29	90	RW
607	Check Headspace	5 29	90	RW
610	Dis-assemble Gun	6 29	90	RW
612	Magnaflux Barrel Action		7-12-90	KR
	Magnaflux Bolt		7-12-90	KR
615	Rollmark Caliber		7-12-90	L.L.
617	Drill and Tap Sight Holes		7/13/90	FB
618	Polish Barrel		7/16/90	WB
620	Apply Coatings (Barrel Action)		7-23-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/14/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/14/90	KS
	C) Inspect Ejector Hole for Chamfer		8/14/90	KS
	D) Oil Firing Pin Ass'y		8/14/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		8/15/90	JV.

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			7/23/90	SK
	G) Safety Off Force	3	3	3			7/30/90	SK
	H) Trigger Pull Test & Retainability						8/15/90	SK
	I) Firing Pin Indent	.023	.023	.023			7/30/90	SK
	J) Assemble Stock						8/15/90	KS
	K) Assemble Swivel Studs						10/30/90	SK
	L) Attach Front and Rear Sight Assemblies						8/15/90	KS
	M) Iron Sight Alignment						8/15/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/15/90	KS
	O) Attach Scope to Rifle						8/15/90	KS
	P) Detach & Attach Scope 20 Times						8/15/90	KS
640	Gallery Target & Test						8/16/90	NF
	A) Time						8/16/90	NF
	B) Malfunctions						8/16/90	NF
	C) Pierced Primers						8/16/90	NF
	D) Optical Clarity of Scope						8/16/90	NF
645	Inspect for Live Ammo						8/16/90	NF
655	Final Inspection							
	A) Headspace						10/30/90	SK
	B) Trigger Pull	293	289	291	292	294	10/30/90	SK
	C) Function						10/30/90	SK
660	Pack						12-17-90	D/H

SWS TRIGGER PULL TEST

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

SERIAL NO. C6498791
DATE 8/15/90
TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	² 2.50	^{2 3} 2.53	^{2 2} 2.46	293	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.54	2.49	2.50	289	
PULL #3	2.51	2.49	2.45	291	
PULL #4	2.53	2.48	2.48	292	
PULL #5	2.54	2.46	2.49	294	
TOTAL	12.62	12.45	12.38		
AVG.	2.524	2.49	2.476		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	² 3.49	¹ 3.36		
PULL #2	3.32	3.43		
PULL #3	3.26	3.44		
PULL #4	3.25	3.44		
PULL #5	3.37	3.42		
TOTAL	16.69	17.09		
AVG.	3.338	3.418		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	¹ 4.44	^{8 4} 4.36		4.40
PULL #2	4.37	4.46		4.39
PULL #3	4.44	4.40		4.41
PULL #4	4.36	4.37		4.41
PULL #5	4.35	4.42		4.49
TOTAL	21.96	22.01		22.10
AVG.	4.392	4.402		4.42

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498791
17 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.146414
1 TO	2	.300177
1 TO	3	.561709
1 TO	4	.624854
1 TO	5	.480803

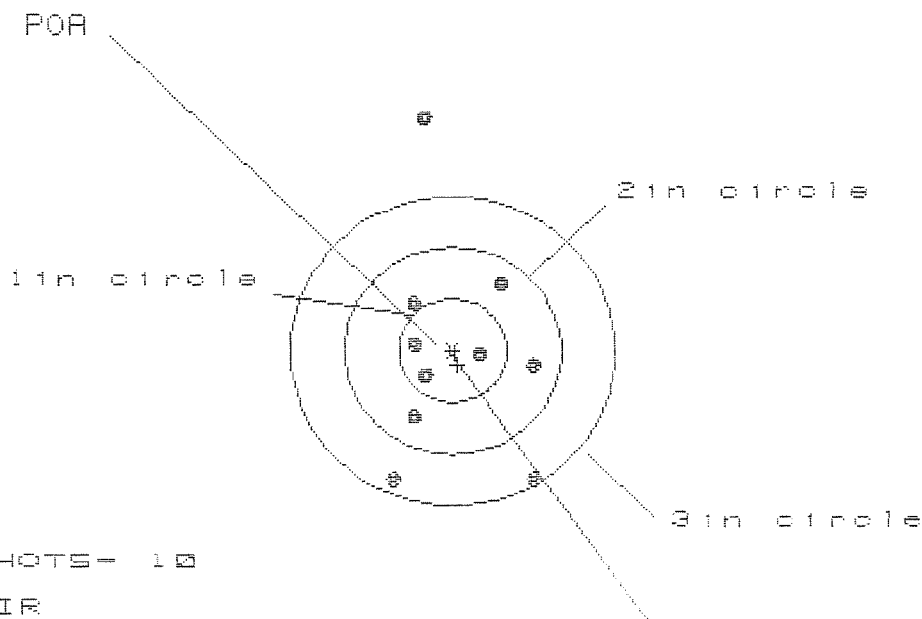
$\frac{1}{5}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .16
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1596
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .225992
THE AMR FOR THIS RIFLE IS: 1.08

18 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6496791

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 0

HS= 1.240

VS= 3.517

GS= 3.614

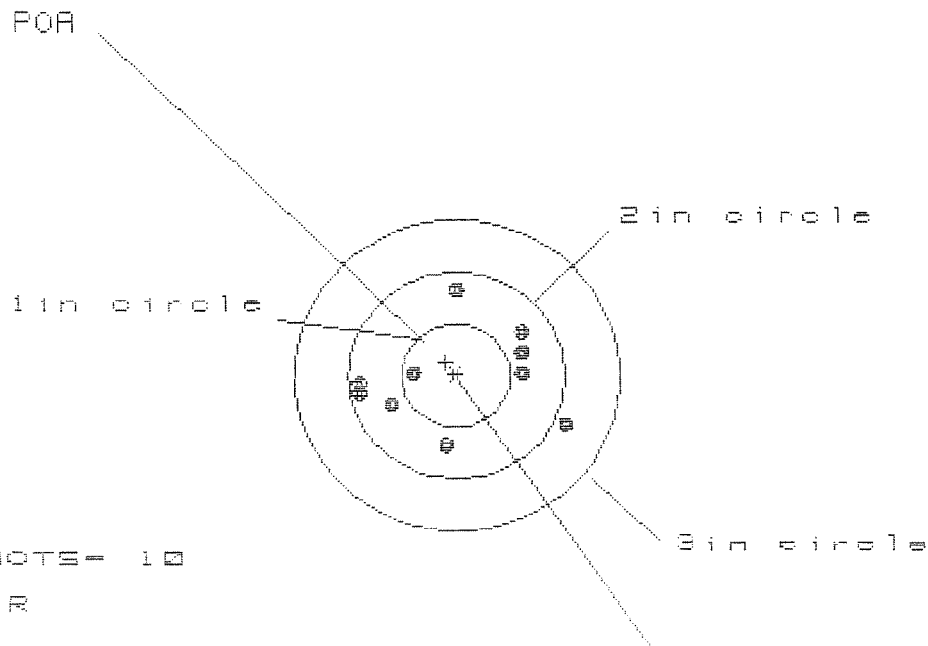
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.713	.684	.767
MINIMUM X	:	-.527	-.556	-.473
MAXIMUM Y	:	2.257	.919	.797
MINIMUM Y	:	-1.260	-1.010	-1.132
CENTROID X	:	-.046	-.017	-.100
CENTROID Y	:	.139	-.111	.011
POA TO CENTROID in.	:	.147	.113	.101
MIN RADIUS	:	.253	.273	.230
MEAN RADIUS	:	.887	.723	.639
MAX RADIUS	:	2.272	1.184	1.227
HORIZONTAL SPREAD	:	1.240	1.240	1.240
VERTICAL SPREAD	:	3.517	1.929	1.929
EXTREME SPREAD	:	3.614	2.172	2.172
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

16 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498791

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 9

3in = 10

HS= 1.896

VS= 1.545

CS= 1.942

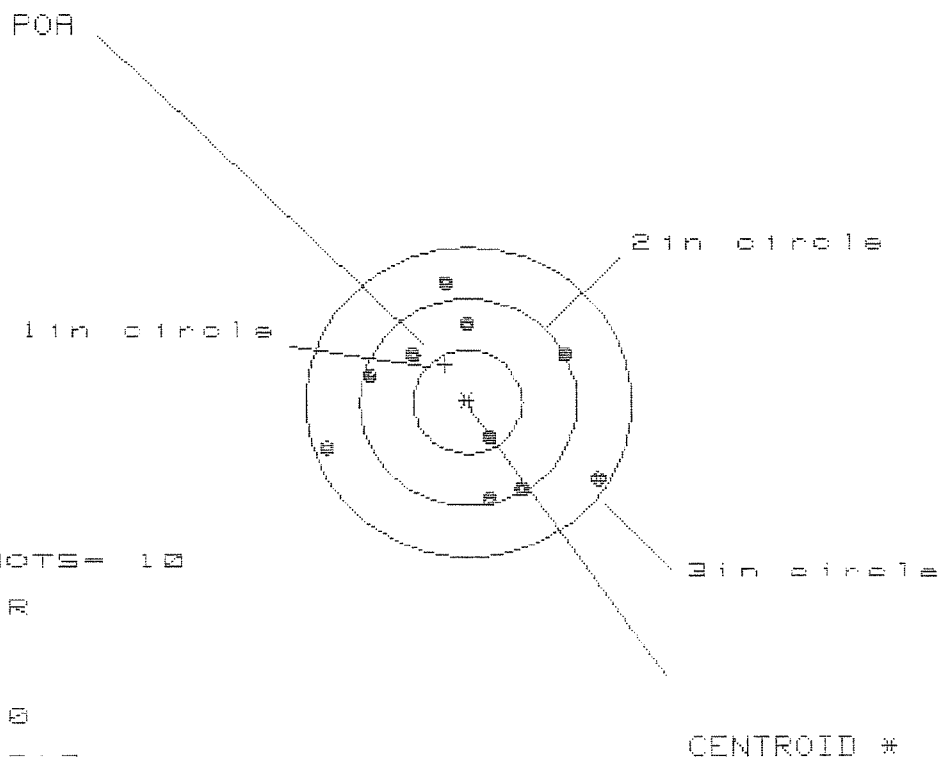
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.983	.746	.645
MINIMUM X	-.913	-.804	-.846
MAXIMUM Y	.871	.821	.810
MINIMUM Y	-.674	-.724	-.735
CENTROID X	.095	-.014	.087
CENTROID Y	-.126	-.076	-.065
POA TO CENTROID in.	.158	.077	.109
MIN RADIUS	.415	.302	.403
MEAN RADIUS	.758	.709	.696
MAX RADIUS	1.082	.829	.891
HORIZONTAL SPREAD	1.896	1.550	1.491
VERTICAL SPREAD	1.545	1.545	1.545
EXTREME SPREAD	1.942	1.617	1.617
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	

16 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08498791

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 2.512

VS= 2.106

GS= 2.526

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.174	1.026	.882
MINIMUM X	:	-1.338	-1.073	-.945
MAXIMUM Y	:	1.162	1.115	1.022
MINIMUM Y	:	-.944	-.991	-1.084
CENTROID X	:	.208	.356	.228
CENTROID Y	:	-.362	-.315	-.222
POA TO CENTROID in.	:	.417	.475	.319
MIN RADIUS	:	.366	.359	.482
MEAN RADIUS	:	.969	.912	.858
MAX RADIUS	:	1.404	1.264	1.101
HORIZONTAL SPREAD	:	2.512	2.099	1.827
VERTICAL SPREAD	:	2.106	2.106	2.106
EXTREME SPREAD	:	2.526	2.314	2.149
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

18 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6436791

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 0

2 in = 3

3 in = 6

HS= 3.692

VS= 5.430

GS= 5.520

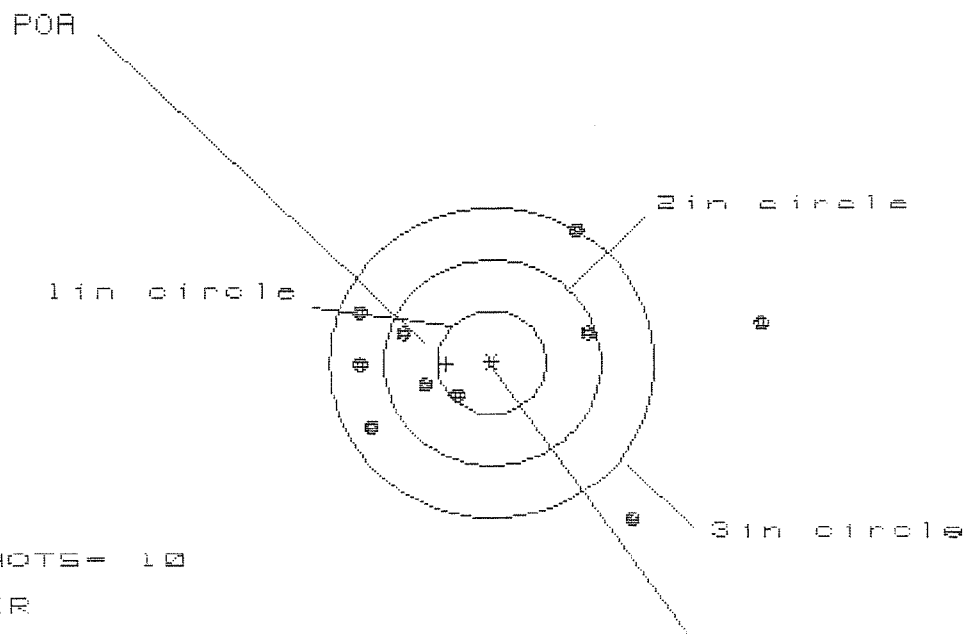
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.387	1.435	1.371
MINIMUM X	:	-1.305	-1.257	-1.321
MAXIMUM Y	:	1.663	1.244	1.257
MINIMUM Y	:	-3.767	-1.183	-1.027
CENTROID X	:	.125	.077	.141
CENTROID Y	:	-.462	-.043	-.199
POA TO CENTROID in.	:	.478	.088	.243
MIN RADIUS	:	.750	.410	.505
MEAN RADIUS	:	1.515	1.179	1.161
MAX RADIUS	:	3.792	1.727	1.673
HORIZONTAL SPREAD	:	2.692	2.692	2.692
VERTICAL SPREAD	:	5.430	2.427	2.285
EXTREME SPREAD	:	5.520	2.956	2.956
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

16 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CG498791

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 3.686

VS= 2.825

GS= 3.723

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.443	1.525	1.334
MINIMUM X	:	-1.243	-.972	-.781
MAXIMUM Y	:	1.286	1.324	1.137
MINIMUM Y	:	-1.539	-1.501	-.719
CENTROID X	:	.418	.147	-.044
CENTROID Y	:	.013	-.025	.162
POA TO CENTROID in.	:	.418	.149	.168
MIN RADIUS	:	.494	.325	.355
MEAN RADIUS	:	1.272	1.047	.864
MAX RADIUS	:	2.467	2.140	1.717
HORIZONTAL SPREAD	:	3.686	2.497	2.115
VERTICAL SPREAD	:	2.825	2.825	1.856
EXTREME SPREAD	:	3.723	3.187	2.721
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

NEW STOCK

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06498791
5 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.667533
1 TO	2	.487213
1 TO	3	.570267
1 TO	4	.608398
1 TO	5	.930562

5-1 (----)FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1412
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0562
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .151973
THE AMR FOR THIS RIFLE IS: .9078

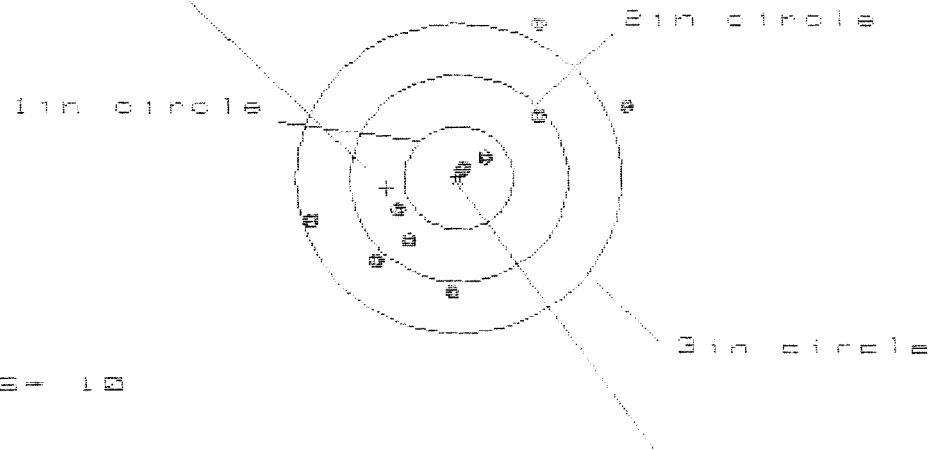
5 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498791.1

CENTERFIRE PATTERNS

1

POB



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 3

HS = 2.877

VS = 2.542

GS = 3.101

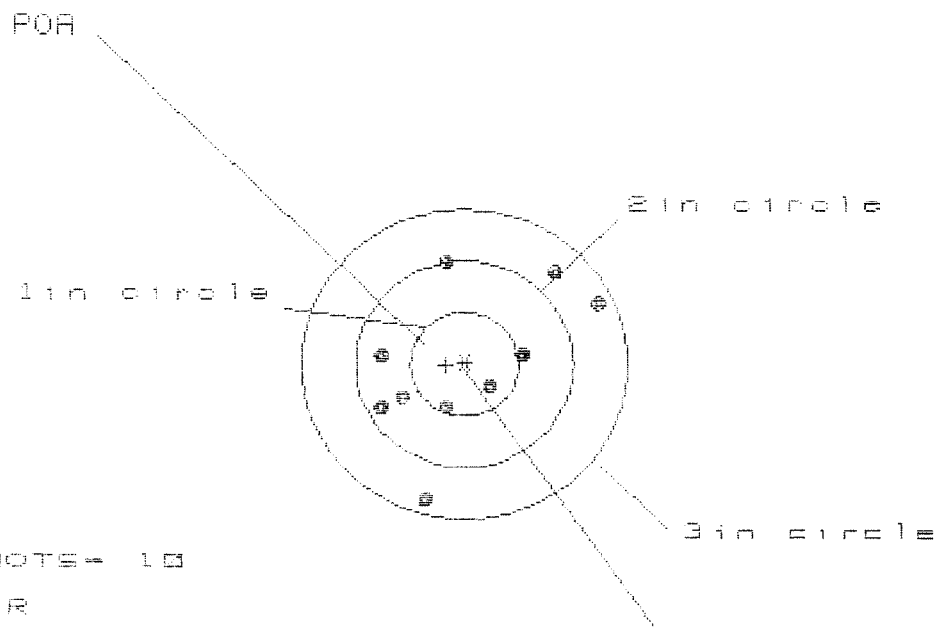
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.522	.887	.996
MINIMUM X	-1.355	-1.186	-1.076
MAXIMUM Y	1.481	1.561	.920
MINIMUM Y	-1.061	-.981	-.785
CENTROID X	.660	.491	.381
CENTROID Y	.100	.020	-.175
POB TO CENTROID in.	.667	.491	.420
MIN RADIUS	.085	.236	.247
MEAN RADIUS	.964	.870	.722
MAX RADIUS	1.686	1.789	1.357
HORIZONTAL SPREAD	2.877	2.073	2.073
VERTICAL SPREAD	2.542	2.542	1.706
EXTREME SPREAD	3.101	2.810	2.335
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	3		

5 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8498791.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HSE= 1.994

VS= 2.270

GS= 2.527

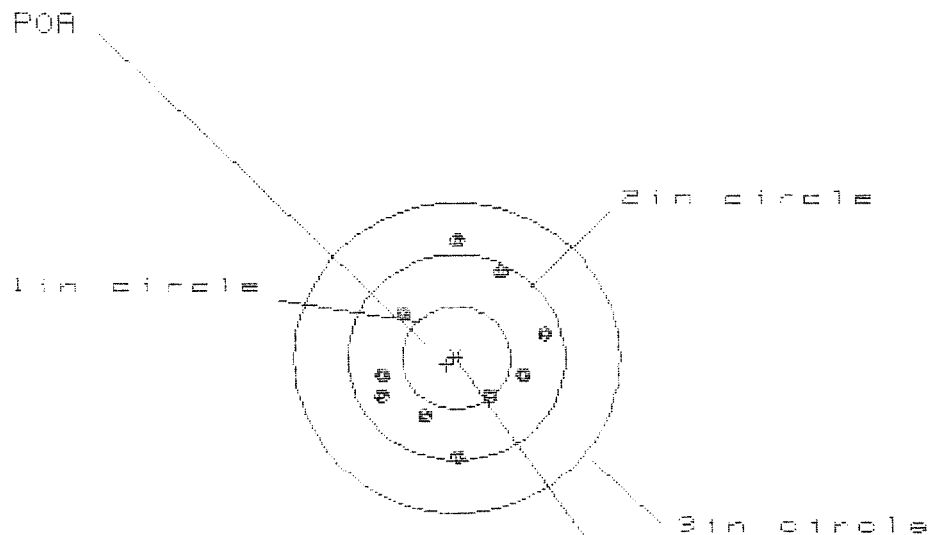
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.199	1.157	.968
MINIMUM X	:	-.795	-.837	-.692
MAXIMUM Y	:	.983	.840	.897
MINIMUM Y	:	-1.287	-.592	-.535
CENTROID X	:	.171	.213	.068
CENTROID Y	:	.010	.153	.096
POA TO CENTROID in.	:	.171	.262	.117
MIN RADIUS	:	.342	.431	.476
MEAN RADIUS	:	.857	.814	.739
MAX RADIUS	:	1.341	1.243	1.274
HORIZONTAL SPREAD	:	1.994	1.994	1.660
VERTICAL SPREAD	:	2.270	1.432	1.432
EXTREME SPREAD	:	2.527	2.232	2.121
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B791.1

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HE= 1.491

VE= 2.078

CE= 2.078

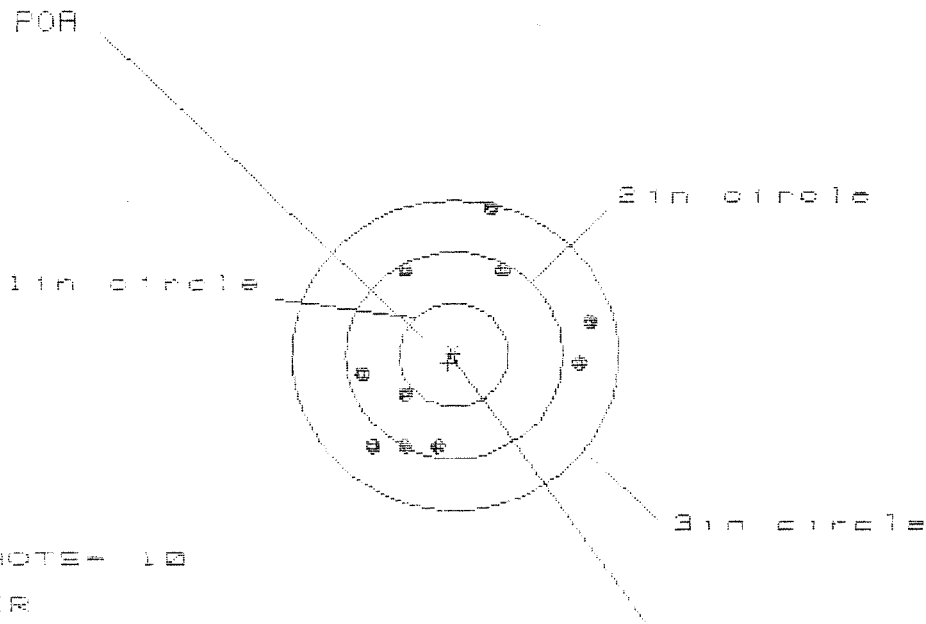
CENTROID #

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.776	.778	.784
MINIMUM X	-.715	-.713	-.707
MAXIMUM Y	1.123	.990	.800
MINIMUM Y	-.955	-.830	-.525
CENTROID X	.091	.089	.083
CENTROID Y	.062	-.063	.041
POA TO CENTROID in.	.110	.109	.093
MIN RADIUS	.512	.420	.500
MEAN RADIUS	.778	.720	.711
MAX RADIUS	1.123	1.055	.961
HORIZONTAL SPREAD	1.491	1.491	1.491
VERTICAL SPREAD	2.078	1.820	1.411
EXTREME SPREAD	2.078	1.847	1.628
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	9	
NUMBER IN THREE INCH CIRCLE	=	10	

5 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CS43B791.1

CENTERFIRE PATTERNS # 4



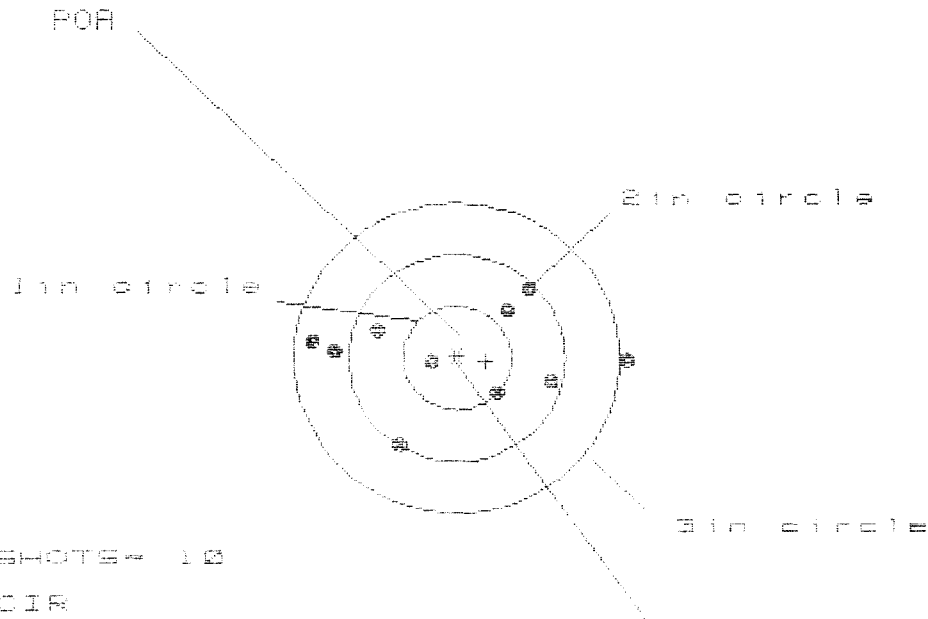
HS = 2.118
VS = 2.386
GS = 2.618

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.249
MINIMUM X	-0.869
MAXIMUM Y	1.471
MINIMUM Y	-0.915
CENTROID X	0.052
CENTROID Y	0.078
POA TO CENTROID in.	0.094
MIN RADIUS	0.593
MEAN RADIUS	1.034
MAX RADIUS	1.509
HORIZONTAL SPREAD	2.118
VERTICAL SPREAD	2.386
EXTREME SPREAD	2.618
NUMBER IN ONE INCH CIRCLE =	0
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9

5 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8438791.1

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 2.871

VS= 1.500

GS= 2.879

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.535	1.068	.922
MINIMUM X	-1.336	-1.186	-1.091
MAXIMUM Y	.649	.641	.657
MINIMUM Y	-.851	-.859	-.843
CENTROID X	-.268	-.438	-.292
CENTROID Y	.031	.039	.024
POA TO CENTROID IN.	.269	.440	.293
MIN RADIUS	.232	.092	.207
MEAN RADIUS	.906	.818	.772
MAX RADIUS	1.537	1.173	1.098
HORIZONTAL SPREAD	2.871	2.234	2.013
VERTICAL SPREAD	1.500	1.500	1.500
EXTREME SPREAD	2.879	2.268	2.047
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

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

MODEL 700™ M24

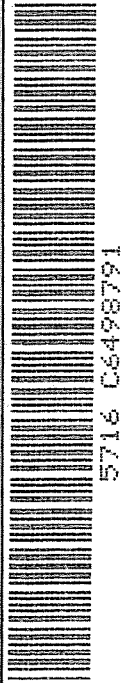
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

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

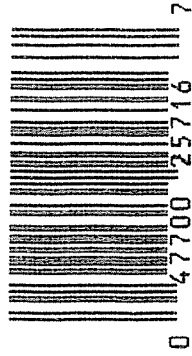
SERIAL NO.
 C6498791

ORDER NO.
 5716

Q1



UPC



MOD. _____ GA. CAL. _____ GUN # C6498791

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	Mag. box will not hold 5. Rd.	K5
	2nd	AND Shaves brass	
	3rd	adjusted Bx cleaned just strong OK	K5
	4th	100 rd OK	K
		FUNCTION (OVER) 7-10-90	RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	Crack in Stock by Rear of Trigger Guard.	
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER NEW	11/21/90
TEST	STOCK	KS
TGT		
PROOF	ENGINEER	
TEST		
TGT		