

C6587543

MODEL 780TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

BARBER M24 0022394 RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 94-18764

INITIAL JJM CUSTOMER ORDER NO. DAAA09-92-C-0834
DATE RECEIVED 06/14/94 DATE OPENED 06/15/94 DATE CODE
ACCESSORIES HARD CASE SCOPE MNTS SCOPE BASE SLING STRAP

W/10X SCOPE M-24 SNIPER W/DEPLOYMENT KIT
ATTN FRED MARTIN
SERIAL NUMBER C6587543 NEW SERIAL NUMBER
MODEL AND GRADE 700 7.62 NATO

Scope S/N 90 0267

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

AL 36201-5025

CUST NO: 098397 C.O.D.

ACCOUNT NUMBER ACCOUNT NUMBER N/C

PROM. DATE ESTIMATED VIA

WRITE ☐

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	A	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

PARTS

COMMENTS

✓ Barrel
Trigger Assy

REPAIRMAN PROOF CLEAN TEST TARGET PATTERN

GALLERY TESTER DATE DATE DATE DATE DATE

6/13/96 6/13/96

OFFICE COPY

RD5925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0022394

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587543

DATE 6-11-96

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.54	2.69	2.66	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.62	2.68	2.64	
PULL #3	2.70	2.75	2.80	
PULL #4	2.71	2.74	2.78	
PULL #5	2.70	2.47	2.87	
TOTAL	13.27	13.33	13.75	
AVG.	2.65	2.66	2.75	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.11	3.10	
PULL #2	3.19	3.01	
PULL #3	3.17	3.28	
PULL #4	3.04	3.23	
PULL #5	3.08	3.04	
TOTAL	15.59	15.66	
AVG.	3.11	3.13	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.07		4.13
PULL #2	4.00	4.23		4.00
PULL #3	4.06	4.24		4.08
PULL #4	4.02	4.21		4.02
PULL #5	4.00	4.20		4.13
TOTAL	20.28	20.95		2036
AVG.	4.05	4.19		4.07

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06587543
16 Apr 1980

CENTROIDAL DISTANCES

0 TO	1	.665676
1 TO	2	.512024
1 TO	3	.318
1 TO	4	.309614
1 TO	5	.53158

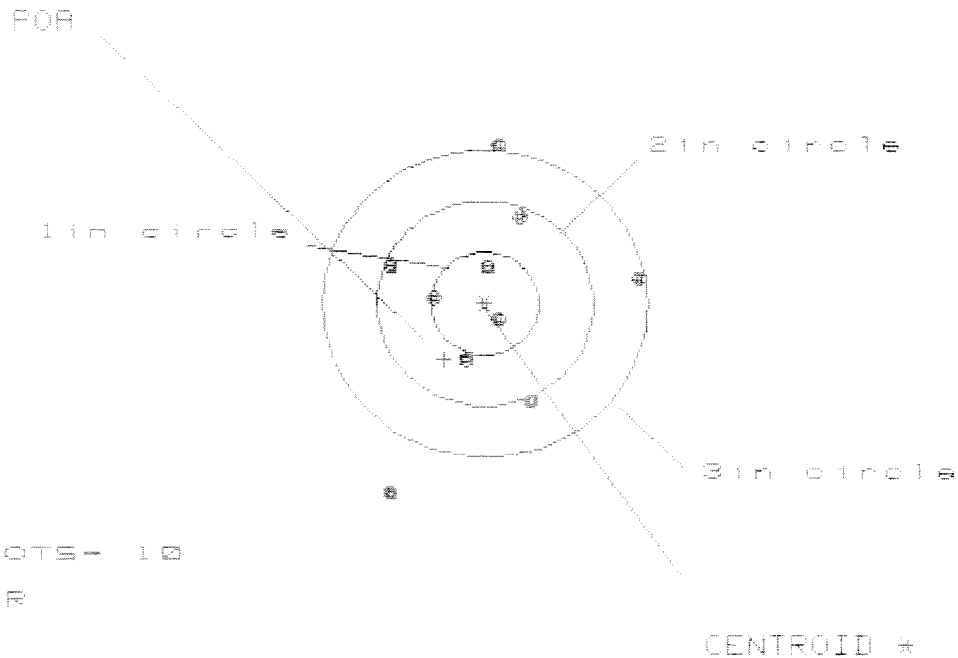
~~31~~
~~16~~ (----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2694
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2542
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .370397
THE AMR FOR THIS RIFLE IS: 1.011

18 Apr 1968

FILE:/PATTERNING/CENTERFIRE_PATT/06582543

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 8

HS= 2.277

VS= 3.439

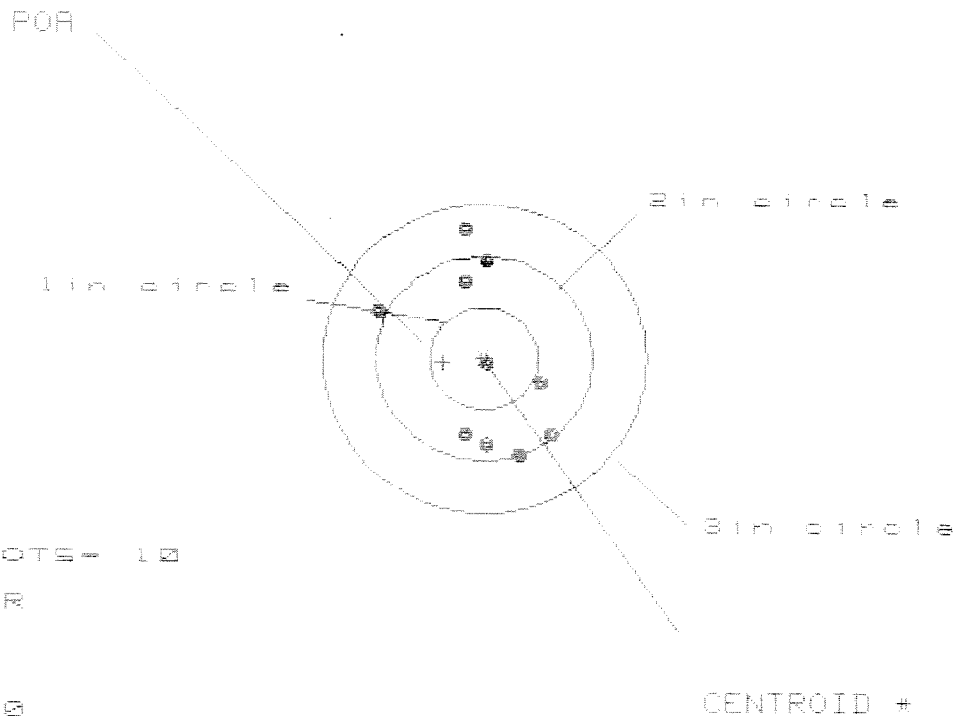
GS= 3.579

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.381	1.285	1.290
MINIMUM X	-.896	-.992	-.987
MAXIMUM Y	1.583	1.377	.782
MINIMUM Y	-1.856	-1.137	-.965
CENTROID X	.375	.471	.466
CENTROID Y	.550	.756	.584
POA TO CENTROID in.	.666	.891	.747
MIN RADIUS	.187	.223	.164
MEAN RADIUS	.949	.823	.735
MAX RADIUS	2.045	1.377	1.311
HORIZONTAL SPREAD	2.277	2.277	2.277
VERTICAL SPREAD	3.439	2.514	1.747
EXTREME SPREAD	3.579	2.531	2.277
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

18 Apr 1900

FILE:/PATTERNING/CENTERFIRE_PATT/06587543

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 8

3 in = 10

HS = 1.566

VS = 2.124

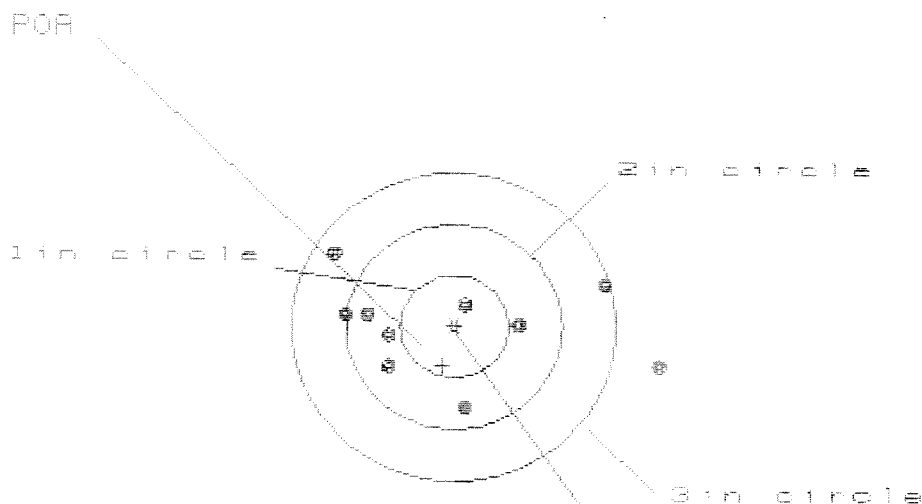
GS = 2.192

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.572	.547	.420
MINIMUM X	-.994	-1.019	-.338
MAXIMUM Y	1.214	1.094	1.172
MINIMUM Y	-.910	-.775	-.697
CENTROID X	.380	.405	.532
CENTROID Y	.038	-.097	-.175
POA TO CENTROID in.	.382	.416	.560
MIN RADIUS	.060	.117	.214
MEAN RADIUS	.812	.747	.668
MAX RADIUS	1.235	1.193	1.179
HORIZONTAL SPREAD	1.566	1.566	.758
VERTICAL SPREAD	2.124	1.869	1.869
EXTREME SPREAD	2.192	1.962	1.892
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

16 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06587543

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 3.011

VS= 1.475

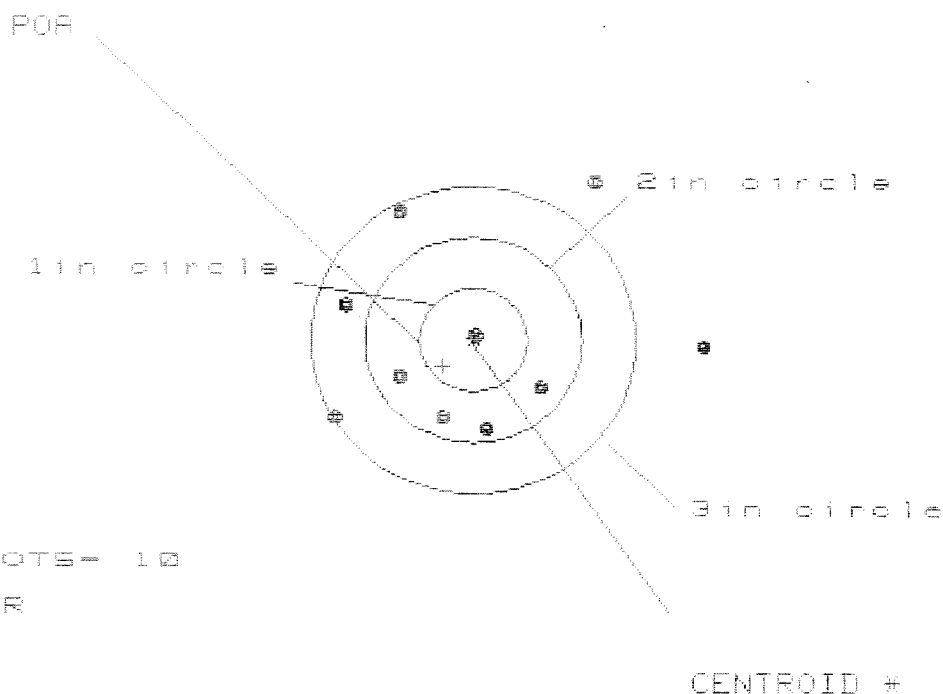
GS= 3.285

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.911	1.576	1.041
MINIMUM X	-1.100	-.888	-.691
MAXIMUM Y	.705	.661	.710
MINIMUM Y	-.770	-.814	-.765
CENTROID X	.105	-.107	-.304
CENTROID Y	.382	.426	.377
POA TO CENTROID in.	.396	.439	.484
MIN RADIUS	.286	.395	.202
MEAN RADIUS	.949	.798	.643
MAX RADIUS	1.951	1.624	1.041
HORIZONTAL SPREAD	3.011	2.464	1.732
VERTICAL SPREAD	1.475	1.475	1.475
EXTREME SPREAD	3.285	2.479	1.893
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

18 Apr 1968

FILE:/PATTERNING/CENTERFIRE_PATT/08582543

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 3.368

VS= 2.439

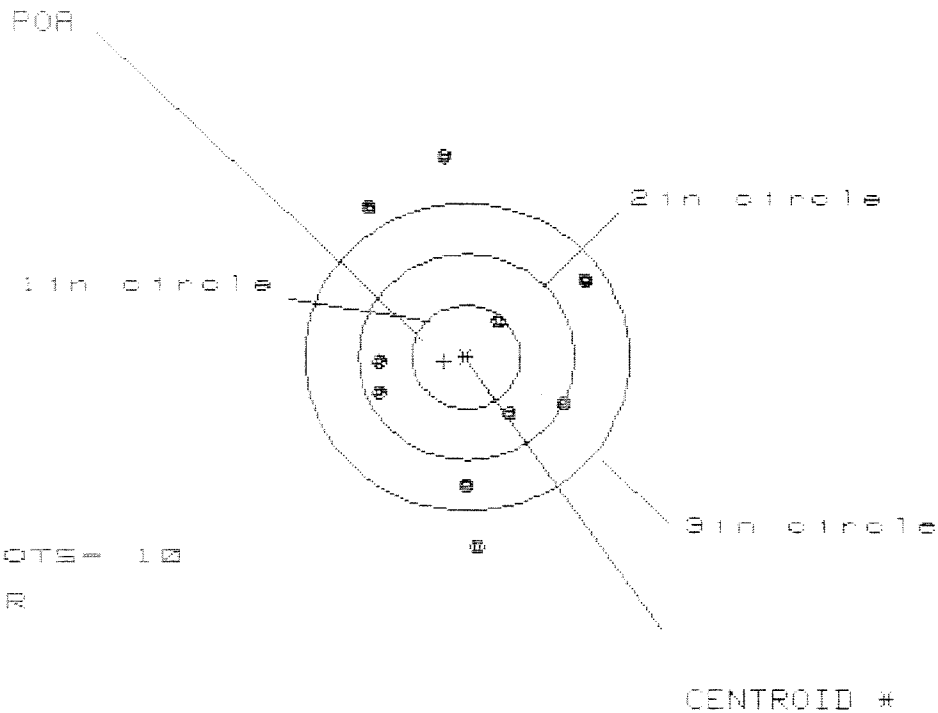
GS= 3.439

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.097	1.355	1.042
MINIMUM X	-1.271	-1.038	-0.868
MAXIMUM Y	1.585	1.578	1.452
MINIMUM Y	-0.854	-0.861	-0.663
CENTROID X	.281	.048	-.122
CENTROID Y	.255	.262	.064
POA TO CENTROID in.	.379	.266	.138
MIN RADIUS	.051	.283	.321
MEAN RADIUS	1.142	1.024	.845
MAX RADIUS	2.098	2.080	1.476
HORIZONTAL SPREAD	3.368	2.393	1.910
VERTICAL SPREAD	2.439	2.439	2.116
EXTREME SPREAD	3.439	3.346	2.266
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

15 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06587543

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HE= 1.838

VS= 3.795

GS= 3.808

PATTERN #	1	5	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.062	1.039	1.050
MINIMUM X	-0.876	-0.899	-0.888
MAXIMUM Y	1.986	1.656	1.457
MINIMUM Y	-1.809	-1.588	-1.265
CENTROID X	.206	.229	.218
CENTROID Y	.046	-.175	.024
POA TO CENTROID in.	.211	.288	.219
MIN RADIUS	.489	.506	.499
MEAN RADIUS	1.205	1.090	1.028
MAX RADIUS	1.996	1.884	1.706
HORIZONTAL SPREAD	1.938	1.938	1.938
VERTICAL SPREAD	3.795	3.244	2.722
EXTREME SPREAD	3.808	3.390	2.846
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	7	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587543

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			

op. #	BARBER - M24 0022403 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			6/24/96	WB
	G) Safety Off Force	3	3	3			6/24/96	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	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	2.71	2.54	2.82	2.90	2.81	6/22/96	RL
	C) Function							
660	Pack							

Remington
MODEL 700™ H24

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

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

SERIAL NO.
C6587543

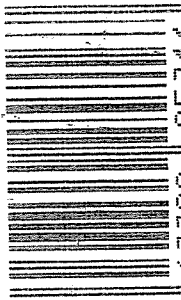
ORDER NO.
5716

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



5716 C6587543

UPC



0 47700 25716

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # *C6587543*

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1024	90	<i>RW</i>
600	Proof	1024	90	<i>RW</i>
607	Check Headspace	1024	90	<i>RW</i>
610	Dis-assemble Gun	1024	90	<i>RW</i>
612	Magnaflux Barrel Action		10/30/90	<i>KR</i>
	Magnaflux Bolt		"	<i>KR</i>
615	Rollmark Caliber		"	<i>LS</i>
617	Drill and Tap Sight Holes		11/5/90	<i>LB</i>
618	Polish Barrel <i>AB</i>		11/6/90	<i>WB</i>
620	Apply Coatings (Barrel Action)		11/26/90	<i>AB</i>
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		12/12/90	<i>RW</i>
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/12/90	<i>RW</i>
	C) Inspect Ejector Hole for Chamfer		12/12/90	<i>RW</i>
	D) Oil Firing Pin Ass'y		12/12/90	<i>RW</i>
	E) Adjust Trigger Pull to Min Setting and Stake		1-4-91	<i>DH</i>

op. #	BARBER AM24 0022406	READINGS				DATE	INIT	
625 cont.	F) Safety On Force	4.0	4.0	4.25	1/3/91	KI		
	G) Safety Off Force	2.50	2.50	2.50	1.3/91	KI		
	H) Trigger Pull Test & Retainability				1-4-91	DH		
	I) Firing Pin Indent	.020	.020	.020	1/3/91	KI		
	J) Assemble Stock				1/9/91	RW		
	K) Assemble Swivel Studs				1-11-91	JH		
	L) Attach Front and Rear Sight Assemblies				1/9/91	RW		
	M) Iron Sight Alignment				1/9/91	RW		
	N) Detach Front & Rear Sights & place in numbered container				1/9/91	RW		
	O) Attach Scope to Rifle				1/9/91	RW		
	P) Detach & Attach Scope 20 Times				1/9/91	RW		
640	Gallery Target & Test				1-10/91	KI		
	A) Time					KI		
	B) Malfunctions					KI		
	C) Pierced Primers					KI		
	D) Optical Clarity of Scope					KI		
645	Inspect for Live Ammo				1/10/91	KI		
655	Final Inspection							
	A) Headspace				1-11-91	JH		
	B) Trigger Pull	2.33	2.19	2.30	2.32	2.27	1-11-91	JH
	C) Function						1-11-91	JH
660	Pack						3/15/91	WLB

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

SERIAL NO. C6587543DATE 1-4-91TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.53	2.55	2.59	2.33	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.52	2.51	2.19	
PULL #3	2.56	2.53	2.42	2.30	
PULL #4	2.51	2.56	2.50	2.32	
PULL #5	2.50	2.48	2.48	2.27	
TOTAL	12.60	12.64	12.50		
AVG.	2.52	2.52	2.50		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.09	3.25		
PULL #2	3.20	3.10		
PULL #3	3.18	3.27		
PULL #4	3.18	3.22		
PULL #5	3.13	3.24		
TOTAL	15.78	16.08		
AVG.	3.15	3.21		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.32		4.26
PULL #2	4.24	4.30		4.28
PULL #3	4.17	4.37		4.01
PULL #4	4.46	4.30		4.26
PULL #5	4.36	4.22		4.20
TOTAL	21.45	21.51		21.01
AVG.	4.29	4.30		4.20

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587543
11 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.332063
1 TO	2	.581568
1 TO	3	.529555
1 TO	4	.272149
1 TO	5	.453882

1
3 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .011
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0102
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0150013
THE AMR FOR THIS RIFLE IS: 1.105

11 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8587543

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 2

3 in = 2

HS = 2.733

VS = 3.260

GS = 3.582

CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.485	1.296	1.246
MINIMUM X	-1.248	-1.083	-1.133
MAXIMUM Y	1.614	1.467	.927
MINIMUM Y	-1.646	-1.793	-1.609
CENTROID X	.045	-.120	-.070
CENTROID Y	.329	.476	.293
POA TO CENTROID in.	.332	.491	.301
MIN RADIUS	.250	.224	.322
MEAN RADIUS	1.236	1.136	1.080
MAX RADIUS	1.988	1.802	1.615
HORIZONTAL SPREAD	2.733	2.379	2.379
VERTICAL SPREAD	3.260	3.260	2.536
EXTREME SPREAD	3.582	3.311	2.706
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	2		

11 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06587543

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 1

2in = 7

3in = 9

HS = 3.043

VS = 2.398

GS = 3.118

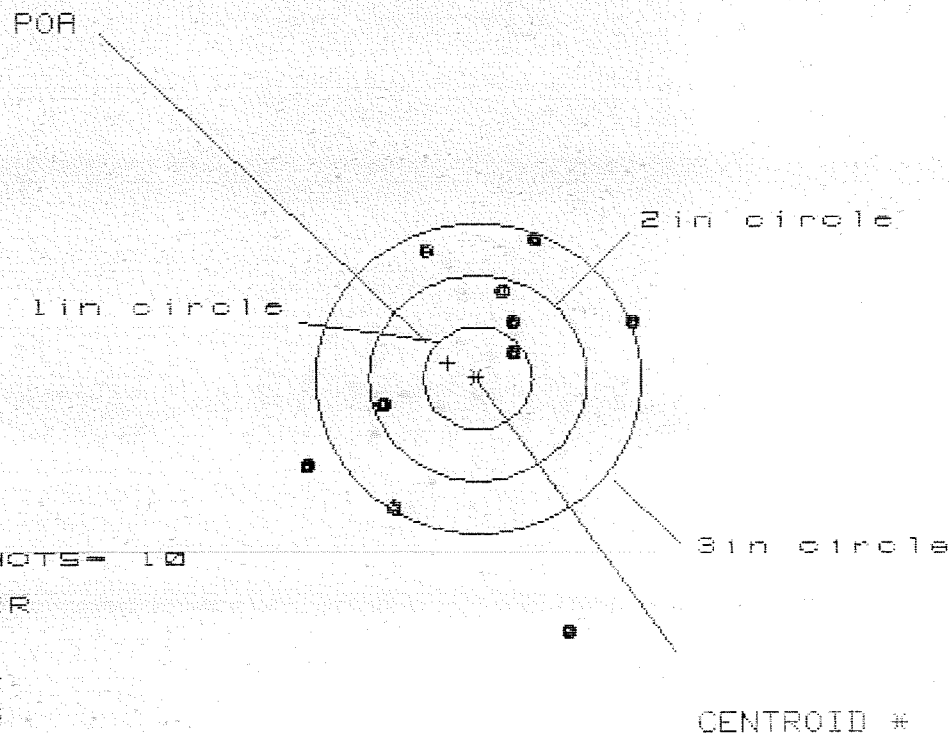
CENTROID *

PATTERN #	2	2	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.893	.654	.685
MINIMUM X	-2.150	-.690	-.659
MAXIMUM Y	1.098	1.070	.904
MINIMUM Y	-1.300	-1.328	-.688
CENTROID X	-.144	.095	.064
CENTROID Y	-.221	-.193	-.027
POA TO CENTROID in.	.264	.215	.069
MIN RADIUS	.176	.366	.255
MEAN RADIUS	.880	.705	.611
MAX RADIUS	2.164	1.351	.952
HORIZONTAL SPREAD	3.043	1.344	1.344
VERTICAL SPREAD	2.398	2.398	1.592
EXTREME SPREAD	3.118	2.415	1.720
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

11 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587543

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 6

HS = 2.948

VS = 3.846

GS = 3.927

CENTROID #

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.413
MINIMUM X	-1.535
MAXIMUM Y	1.369
MINIMUM Y	-2.477
CENTROID X	.275
CENTROID Y	-.148
POA TO CENTROID in.	.312
MIN RADIUS	.473
MEAN RADIUS	1.306
MAX RADIUS	2.607
HORIZONTAL SPREAD	2.948
VERTICAL SPREAD	3.846
EXTREME SPREAD	3.927
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	6

11 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06587543

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS = 2.791

VS = 2.747

GS = 2.917

CENTROID #

PATTERN #

4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.997	1.119	1.183
MINIMUM X	-.794	-.573	-.509
MAXIMUM Y	1.372	1.453	1.291
MINIMUM Y	-1.375	-1.294	-.874
CENTROID X	.054	-.167	-.231
CENTROID Y	.057	-.024	.138
POA TO CENTROID in.	.079	.169	.269
MIN RADIUS	.266	.320	.208
MEAN RADIUS	.992	.807	.713
MAX RADIUS	2.124	1.474	1.329
HORIZONTAL SPREAD	2.791	1.692	1.692
VERTICAL SPREAD	2.747	2.747	2.165
EXTREME SPREAD	2.917	2.759	2.227
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

11 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8587543

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 0

2 in = 4

3 in = 9

CENTROID *

HS = 2.574

VS = 2.240

GS = 2.988

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.157
MINIMUM X	-1.417
MAXIMUM Y	1.103
MINIMUM Y	-1.137
CENTROID X	-0.175
CENTROID Y	-0.068
POA TO CENTROID in.	.188
MIN RADIUS	.519
MEAN RADIUS	1.110
MAX RADIUS	1.576
HORIZONTAL SPREAD	2.574
VERTICAL SPREAD	2.240
EXTREME SPREAD	2.988
NUMBER IN ONE INCH CIRCLE =	0
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	9