

C6348958

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

Speed
No. 2.152-51

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348958

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	8 11 89	RW
600	Proof		8 11 89	RW
607	Check Headspace		8 11 89	RW
610	Dis-assemble Gun		8 11 89	RW
612	Magnaflux Barrel Action		8/15/89	KCR
	Magnaflux Bolt		8/15/89	KCR
615	Rollmark Caliber		8/15/89	SS
7	Drill and Tap Sight Holes		8 16 89	
618	Polish Barrel RB		8 16 89	
620	Apply Coatings (Barrel Action)		8/19/89	TPA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		8/21/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/21/89	RW
	C) Inspect Ejector Hole for Chamfer		8/21/89	RW
	D) Oil Firing Pin Ass'y		8/21/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/21/89	RW

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			23 Aug 89	JL
	G) Safety Off Force	4	4	4			23 Aug 89	JL
	H) Trigger Pull Test & Retainability						23 Aug 89	JL
	I) Firing Pin Indent	.020	.0205	.0205			23 Aug 89	JL
	J) Assemble Stock						8/23/89	RW
	K) Assemble Swivel Studs						28 Aug 89	JL
	L) Attach Front and Rear Sight Assemblies						8/23/89	RW
	M) Iron Sight Alignment						8/23/89	RW
	N) Detach Front & Rear Sights & place in numbered container						8/23/89	RW
	O) Attach Scope to Rifle						8/24/89	WB
	P) Detach & Attach Scope 20 Times						8/24/89	WB
640	Gallery Target & Test	88 R	62 L				8-25-89	D/H
	A) Time						8-25-89	D/H
	B) Malfunctions						8-25-89	D/H
	C) Pierced Primers						8-25-89	D/H
	D) Optical Clarity of Scope						8-25-89	D/H
645	Inspect for Live Ammo						8-25-89	D/H
655	Final Inspection							
	A) Headspace						28 Aug 89	JL
	B) Trigger Pull	252	269	275	264	276	28 Aug 89	JL
	C) Function						28 Aug 89	JL
660	Pack						19 Sep 89	JL

Repaired Stock at Front Swivel
9/13/89

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

SERIAL NO. C 6348958
DATE 7/15/90
TESTER LL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	272	238	268	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	289	233	269	
PULL #3	291	227	259	
PULL #4	280	228	279	
PULL #5	298	236	251	
TOTAL	1440	1162	1326	
AVG.	288	232.4	265.2	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	297	301	
PULL #2	301	306	
PULL #3	304	305	
PULL #4	300	305	
PULL #5	300	309	
TOTAL	1508	1526	
AVG.	301.6	3.052	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	396	402		
PULL #2	393	389		
PULL #3	400	389		
PULL #4	395	390		
PULL #5	391	395		
TOTAL	1975	1965		
AVG.	395	391		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348958
28 Aug 1989

CENTROIDAL DISTANCES

0 TO	1	.631383
1 TO	2	.537267
1 TO	3	.597704
1 TO	4	.646026
1 TO	5	.91702

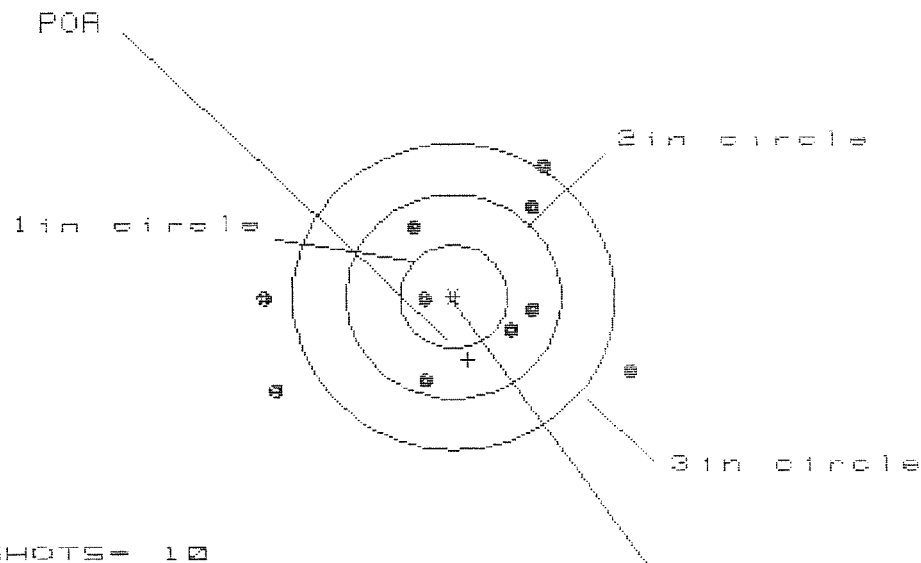
1
5 ←---POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1144
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1774
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .211088
THE AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.107

25 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348358

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 6

HS = 3.338

VS = 2.165

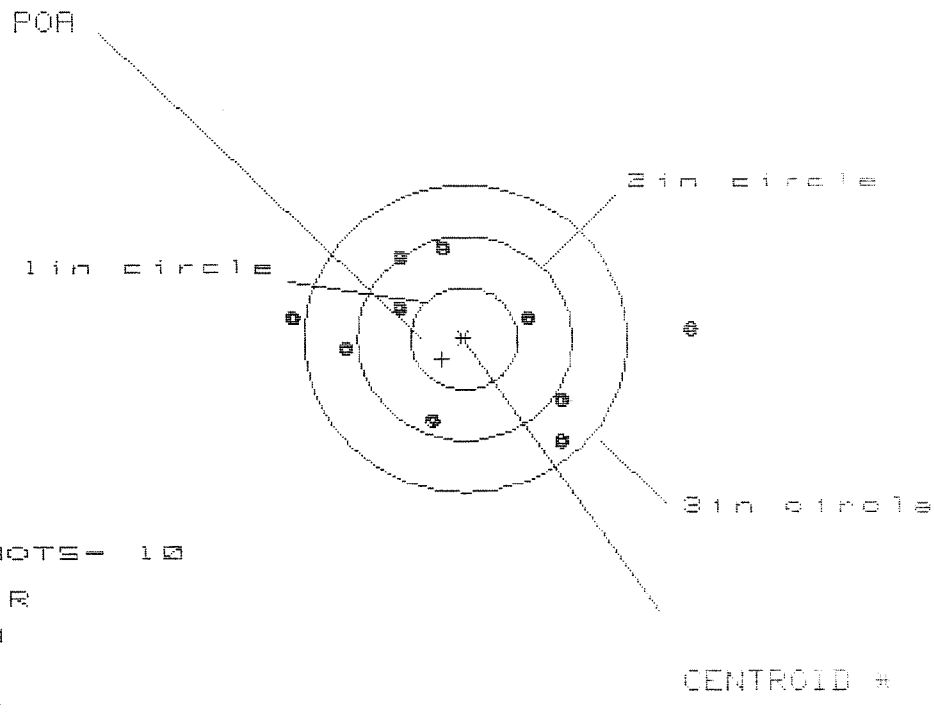
GS = 3.410

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.598	1.418	1.178
MINIMUM X	-1.740	-1.920	-0.821
MAXIMUM Y	1.278	1.179	1.169
MINIMUM Y	-0.887	-0.866	-0.876
CENTROID X	-0.134	0.046	0.286
CENTROID Y	0.617	0.716	0.726
POA TO CENTROID in.	0.632	0.717	0.780
MIN RADIUS	0.298	0.486	0.401
MEAN RADIUS	1.116	1.020	0.888
MAX RADIUS	1.851	1.922	1.419
HORIZONTAL SPREAD	3.338	3.338	1.999
VERTICAL SPREAD	2.165	2.045	2.045
EXTREME SPREAD	3.410	3.410	2.403
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 5		
NUMBER IN THREE INCH CIRCLE	= 6		

25 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B358

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 8

HS= 3.678

VS= 1.919

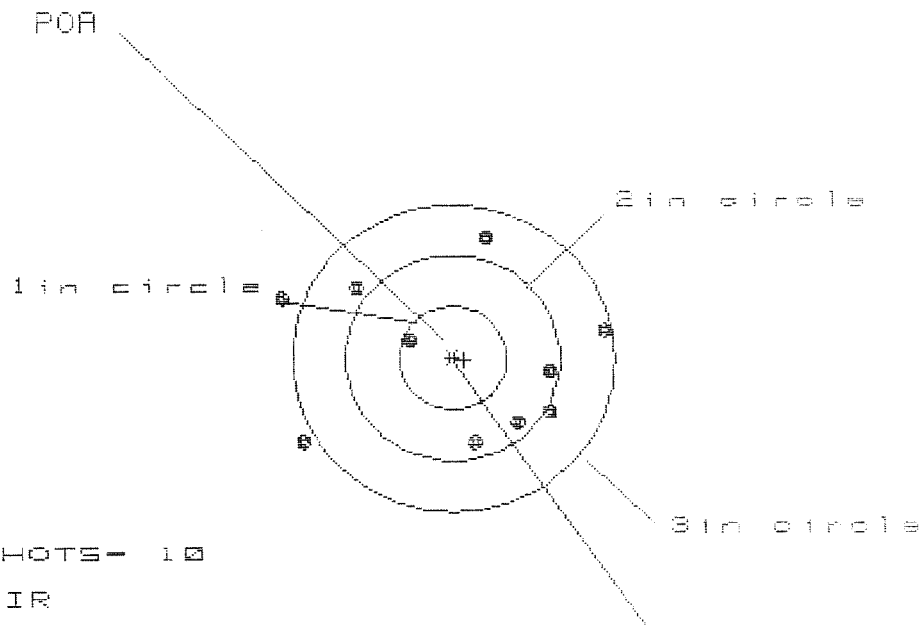
GS= 3.678

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.078	1.087	.916
MINIMUM X	:	-1.688	-1.369	-1.056
MAXIMUM Y	:	.909	.922	.949
MINIMUM Y	:	-1.010	-.997	-.970
CENTROID X	:	.206	-.025	.146
CENTROID Y	:	.201	.188	.161
POA TO CENTROID in.	:	.288	.190	.218
MIN RADIUS	:	.642	.498	.650
MEAN RADIUS	:	1.128	.995	.946
MAX RADIUS	:	2.081	1.469	1.328
HORIZONTAL SPREAD	:	3.678	2.456	1.972
VERTICAL SPREAD	:	1.919	1.919	1.919
EXTREME SPREAD	:	3.679	2.732	2.322
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

25 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C834B358

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS = 2.986

VS = 2.088

GS = 3.080

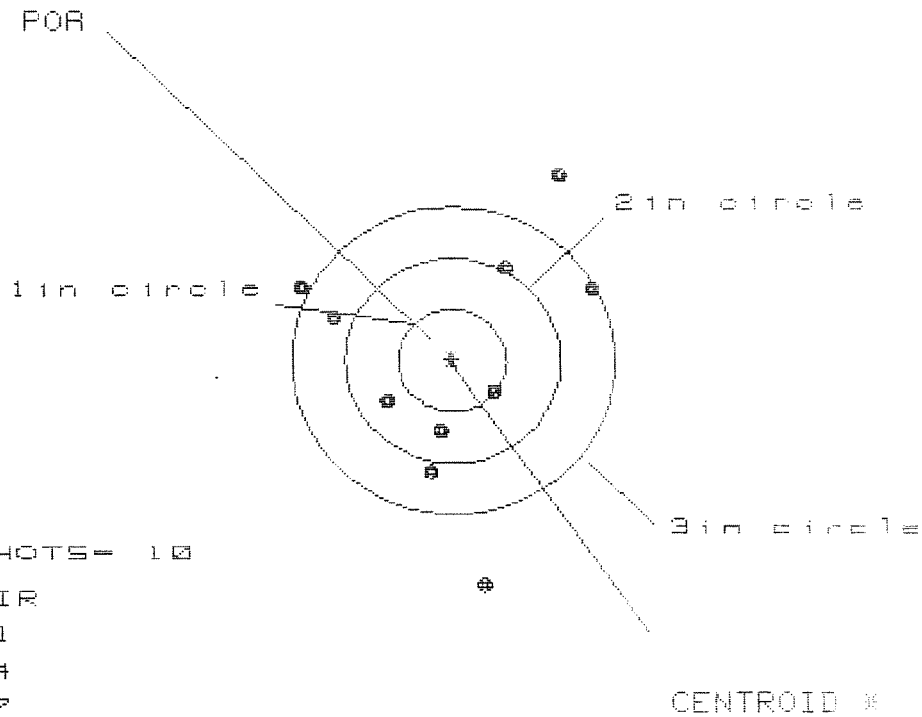
CENTROID #

PATTERN #	:	3
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.434
MINIMUM X	:	-1.552
MAXIMUM Y	:	1.226
MINIMUM Y	:	-0.862
CENTROID X	:	-0.105
CENTROID Y	:	0.020
POA TO CENTROID in.	:	0.107
MIN RADIUS	:	0.438
MEAN RADIUS	:	1.120
MAX RADIUS	:	1.682
HORIZONTAL SPREAD	:	2.986
VERTICAL SPREAD	:	2.088
EXTREME SPREAD	:	3.080
NUMBER IN ONE INCH CIRCLE =	:	1
NUMBER IN TWO INCH CIRCLE =	:	4
NUMBER IN THREE INCH CIRCLE =	:	8

25 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348958

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 2.715

VS= 4.005

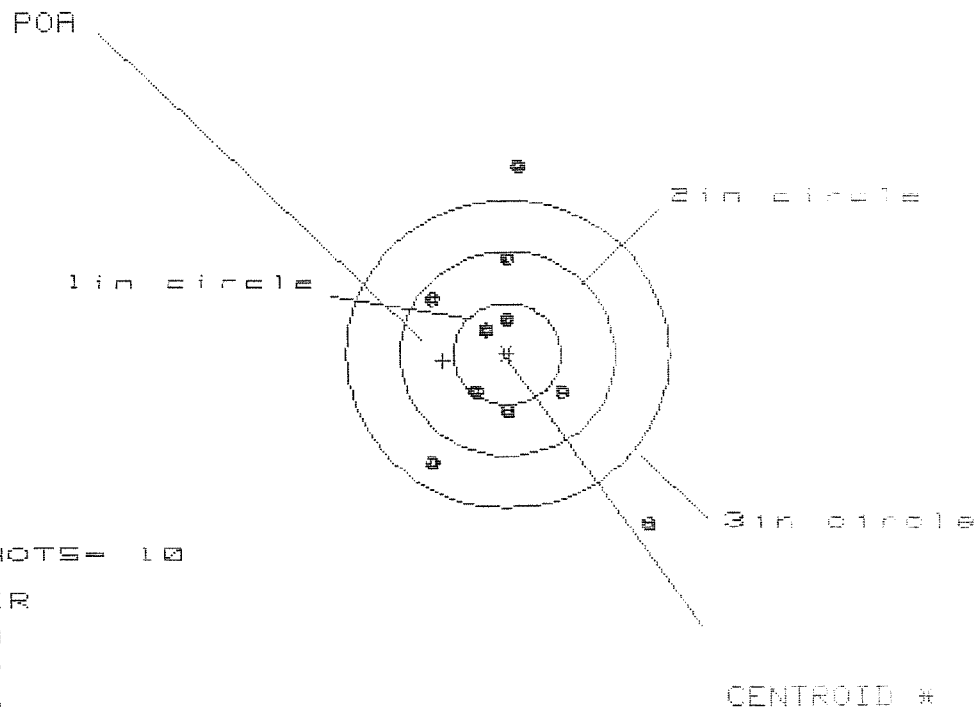
GS= 4.073

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.297	1.325	1.452
MINIMUM X	:	-1.418	-1.390	-1.263
MAXIMUM Y	:	1.848	1.608	.835
MINIMUM Y	:	-2.157	-1.334	-1.133
CENTROID X	:	.009	-.019	-.146
CENTROID Y	:	-.013	.227	.026
POB TO CENTROID in.	:	.016	.228	.148
MIN RADIUS	:	.483	.671	.633
MEAN RADIUS	:	1.247	1.158	1.022
MAX RADIUS	:	2.171	1.903	1.610
HORIZONTAL SPREAD	:	2.715	2.715	2.715
VERTICAL SPREAD	:	4.005	2.942	1.968
EXTREME SPREAD	:	4.073	3.169	2.715
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

25 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348958

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 1.930

VS= 3.518

GS= 3.718

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.264	.627	.655
MINIMUM X	:	-.666	-.525	-.497
MAXIMUM Y	:	1.809	1.619	.970
MINIMUM Y	:	-1.709	-1.208	-1.006
CENTROID X	:	.596	.455	.427
CENTROID Y	:	.062	.252	.050
POP TO CENTROID in.	:	.599	.521	.430
MIN RADIUS	:	.330	.100	.259
MEAN RADIUS	:	.926	.759	.647
MAX RADIUS	:	2.126	1.634	1.119
HORIZONTAL SPREAD	:	1.930	1.152	1.152
VERTICAL SPREAD	:	3.518	2.827	1.976
EXTREME SPREAD	:	3.718	2.924	2.075
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348958
19 Sep 1989

CENTROIDAL DISTANCES

0 TO	1	.465242
1 TO	2	.679389
1 TO	3	.607063
1 TO	4	.659207
1 TO	5	.355983

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

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1846
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0126
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .18503
THE AMR FOR THIS RIFLE IS: .9126

INTERCHANGEABILITY

18 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348358.1

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.345

VS= 2.117

GS= 2.580

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.150	1.017	.957
MINIMUM X	-1.195	-1.171	-1.044
MAXIMUM Y	.972	1.063	1.172
MINIMUM Y	-1.145	-1.054	-.945
CENTROID X	.267	.400	.273
CENTROID Y	.381	.290	.181
POA TO CENTROID in.	.466	.494	.327
MIN RADIUS	.465	.343	.499
MEAN RADIUS	1.021	.952	.896
MAX RADIUS	1.449	1.342	1.181
HORIZONTAL SPREAD	2.345	2.188	2.001
VERTICAL SPREAD	2.117	2.117	2.117
EXTREME SPREAD	2.580	2.369	2.150
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

INTERCHANGEABILITY

19 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C834B958.1

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 10

HS= 2.493

VS= 1.459

GS= 2.670

CENTROID #

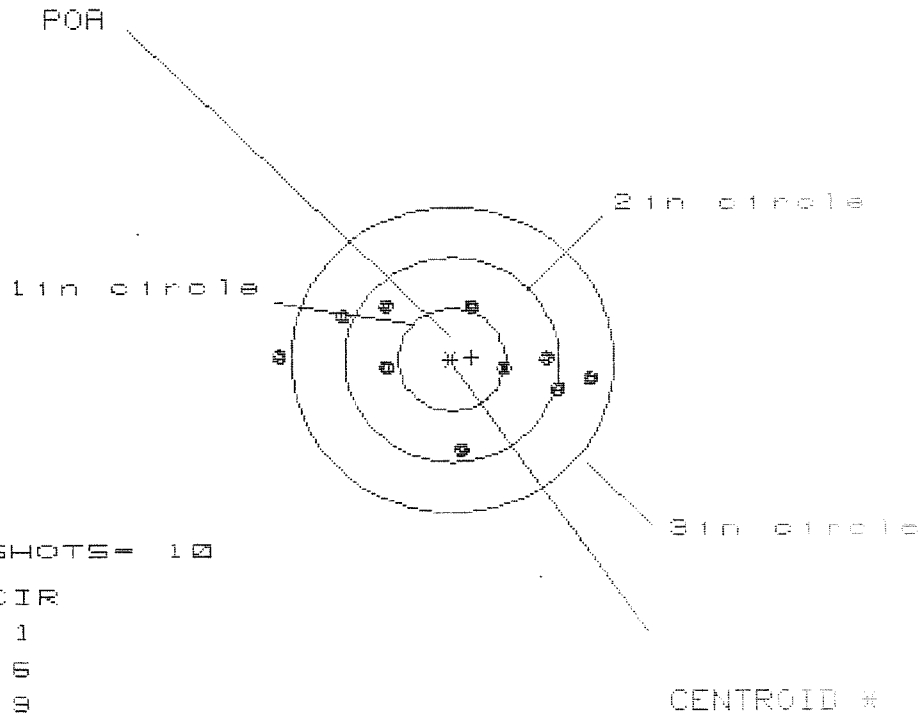
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.040	.879	.934
MINIMUM X	:	-1.453	-1.367	-1.257
MAXIMUM Y	:	.823	.809	.878
MINIMUM Y	:	-.636	-.650	-.549
CENTROID X	:	-.028	.133	.023
CENTROID Y	:	-.231	-.217	-.318
POA TO CENTROID in.	:	.233	.254	.319
MIN RADIUS	:	.225	.262	.214
MEAN RADIUS	:	.841	.764	.696
MAX RADIUS	:	1.459	1.374	1.258
HORIZONTAL SPREAD	:	2.493	2.246	2.191
VERTICAL SPREAD	:	1.459	1.459	1.427
EXTREME SPREAD	:	2.670	2.436	2.216
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

INTERCHANGEABILITY

15 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348950.1

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS = 2.915

VS = 1.435

GS = 2.926

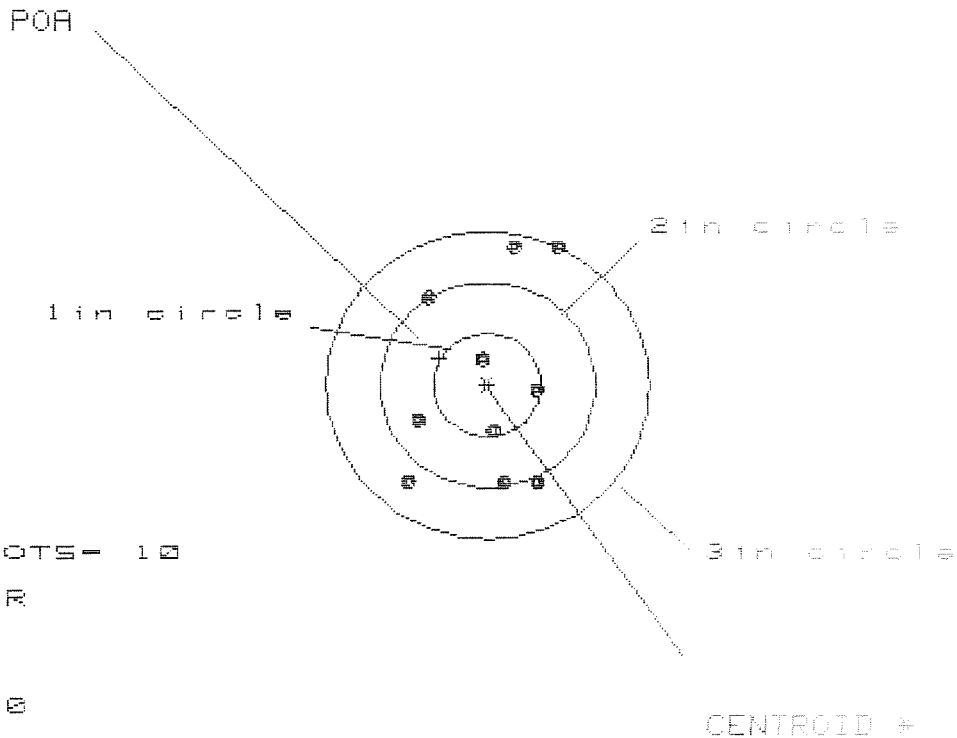
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.283
MINIMUM X	-1.632
MAXIMUM Y	.570
MINIMUM Y	-.865
CENTROID X	-.187
CENTROID Y	-.022
POA TO CENTROID in.	.188
MIN RADIUS	.467
MEAN RADIUS	.936
MAX RADIUS	1.633
HORIZONTAL SPREAD	2.915
VERTICAL SPREAD	1.435
EXTREME SPREAD	2.926
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9

INTERCHANGEABILITY

19 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CG348950.1

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 4

3 in = 10

HS= 1.367

VS= 2.378

GS= 2.647

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.616	.554	.595
MINIMUM X	:	-.751	-.682	-.641
MAXIMUM Y	:	1.383	1.528	1.180
MINIMUM Y	:	-.995	-.850	-.659
CENTROID X	:	.444	.375	.334
CENTROID Y	:	-.254	-.399	-.590
POA TO CENTROID in.	:	.511	.547	.678
MIN RADIUS	:	.206	.326	.190
MEAN RADIUS	:	.907	.831	.712
MAX RADIUS	:	1.443	1.563	1.272
HORIZONTAL SPREAD	:	1.367	1.236	1.236
VERTICAL SPREAD	:	2.378	2.378	1.839
EXTREME SPREAD	:	2.647	2.554	2.063
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

INTERCHANGEABILITY

18 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/03348958.1

CENTERFIRE PATTERNS

5

POR

1 in circle

2 in circle

3 in circle

CENTROID

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 2.226

VS= 1.916

GS= 2.793

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.991	.863	.958
MINIMUM X	-1.235	-1.363	-1.268
MAXIMUM Y	.822	.908	.782
MINIMUM Y	-1.094	-1.002	-1.449
CENTROID X	.427	.555	.488
CENTROID Y	.063	-.029	.097
POR TO CENTROID in.	.432	.556	.478
MIN RADIUS	.188	.269	.145
MEAN RADIUS	.858	.790	.716
MAX RADIUS	1.412	1.392	1.333
HORIZONTAL SPREAD	2.226	2.226	2.226
VERTICAL SPREAD	1.916	1.910	1.231
EXTREME SPREAD	2.793	2.526	2.526
NUMBER IN ONE INCH CIRCLE	=	3	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	10	

Remington[®]

MODEL 700TM H24

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.
C6348958

ORDER NO.
5716

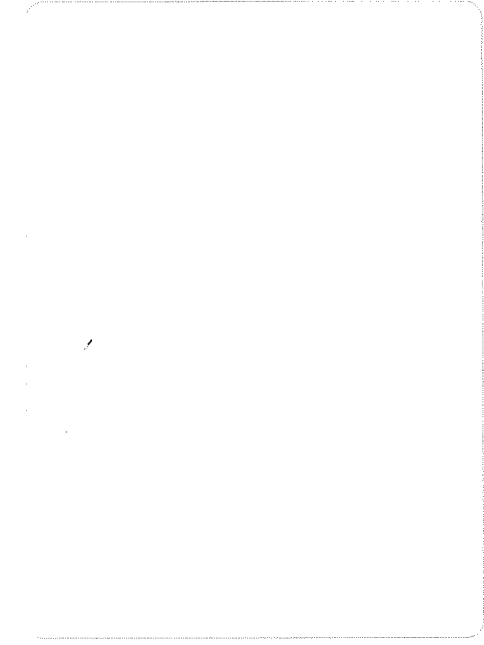
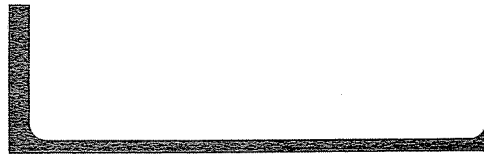
Q1

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

UPONT

UPC

0 47700 25716 7



RECEIVING AND ESTIMATING REPORT

INITIAL JJM		CUSTOMER ORDER NO.		COMMENTS M-24 SNIPER W/LEUPOLD 10X SCOPE			
DATE RECEIVED 10/29/90	DATE OPENED 10/29/90	DATE CODE	SERIAL NUMBER C6348958	MODEL AND GRADE 700 7.62 NATO		ORDER R 90-28385	
ACCESSORIES		HARD CASE					

FROM:

CDR
1ST SF BN 10TH SFG (A)
ATTN ASOF-SFC-F-PBO
APO NY 09050

SHIP TO:

CDR
1ST SF BN 10TH SFG (A)
ATTN ASOF-SFC-F-PBO
APO NY 09050

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	CLEAN/TEST	PROM. DATE	ESTIMATED	VIA UPS
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REPAIR CHARGE	TAX	INSURANCE	UPS	PARCEL POST	TOTAL
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GUN CONDITION:

☐ NEW☐ SLIGHTLY WORN☐ VERY WORN☐ MISUSED☐ MARRED

CUSTOMER'S REQUEST

Repaired per Government Maintenance letter # 90-6

MAIN FAULT

Refused 11/1/91

PARTS						
	REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
	GALLERY TESTER	DATE	DATE	DATE	DATE	DATE

[illegible]