

C6349011

MODEL 700™ M24

Model **SMS**™

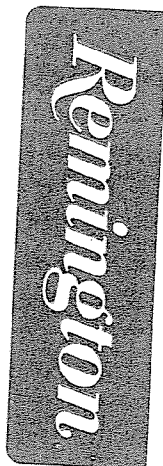
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

MODEL 700TM H24

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

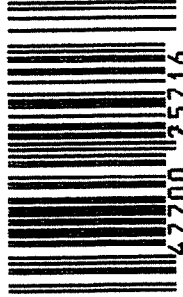
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO. C6349011	Ø1
ORDER NO. 5716	



5716 C6349011

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349011

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	90	RW
600	Proof	4 12	90	A
607	Check Headspace	4 12	90	A
610	Dis-assemble Gun	4 12	90	RW
612	Magnaflux Barrel Action	4-19-90		KCR
	Magnaflux Bolt	4-19-90		KCR
615	Rollmark Caliber	4-19-90		SL
617	Drill and Tap Sight Holes		4/23/90	FB
618	Polish Barrel <i>RIB</i>		4/24/90	WB
620	Apply Coatings (Barrel Action)		4/28/90	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/1/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/90	RW
	C) Inspect Ejector Hole for Chamfer		5/1/90	RW
	D) Oil Firing Pin Ass'y		5/1/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/14/90	SL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/15/90	gll
	G) Safety Off Force	2	2	2			5/15/90	gll
	H) Trigger Pull Test & Retainability						5/14/90	gll
	I) Firing Pin Indent	.0235	.0225	.0225			5/15/90	gll
	J) Assemble Stock						5/15/90	RW
	K) Assemble Swivel Studs						5/17/90	WB
	L) Attach Front and Rear Sight Assemblies						5/15/90	RW
	M) Iron Sight Alignment						5/15/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/15/90	RW
	O) Attach Scope to Rifle						5/15/90	gll
	P) Detach & Attach Scope 20 Times						5/15/90	gll
640	Gallery Target & Test						5-16-90	D/H
	A) Time						5-16-90	D/H
	B) Malfunctions						5-16-90	D/H
	C) Pierced Primers						5-16-90	D/H
	D) Optical Clarity of Scope						5-16-90	D/H
645	Inspect for Live Ammo						5-16-90	D/H
655	Final Inspection						5/17/90	WB
	A) Headspace							
	B) Trigger Pull	2.51	2.51	2.56	2.57	2.55	5/17/90	WB
	C) Function						5/17/90	WB
660	Pack						6/20/90	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. 06349011

DATE 5/14/90

TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.36	2.46	2.51	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.21	2.48	2.51	
PULL #3	2.39	2.24	2.44	2.56	
PULL #4	2.39	2.28	2.32	2.57	
PULL #5	2.51	2.31	2.39	2.55	
TOTAL	12.12	11.40	12.09		
AVG.	2.424	2.28	2.418		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.32	3.19		
PULL #2	3.32	3.28		
PULL #3	3.23	3.27		
PULL #4	3.39	3.20		
PULL #5	3.32	3.22		
TOTAL	16.58	16.16		
AVG.	3.316	3.232		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.23		4.46
PULL #2	4.33	4.20		4.27
PULL #3	4.12	4.17		4.46
PULL #4	4.14	4.23		4.48
PULL #5	4.12	4.18		4.48
TOTAL	20.95	21.01		22.15
AVG.	4.19	4.202		4.43

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349011
17 May 1990

CENTROIDAL DISTANCES

0	TO	1	.475105
1	TO	2	.173649
1	TO	3	.606407
1	TO	4	.572752
1	TO	5	.38981

15⁴ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.208
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0286
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .209957

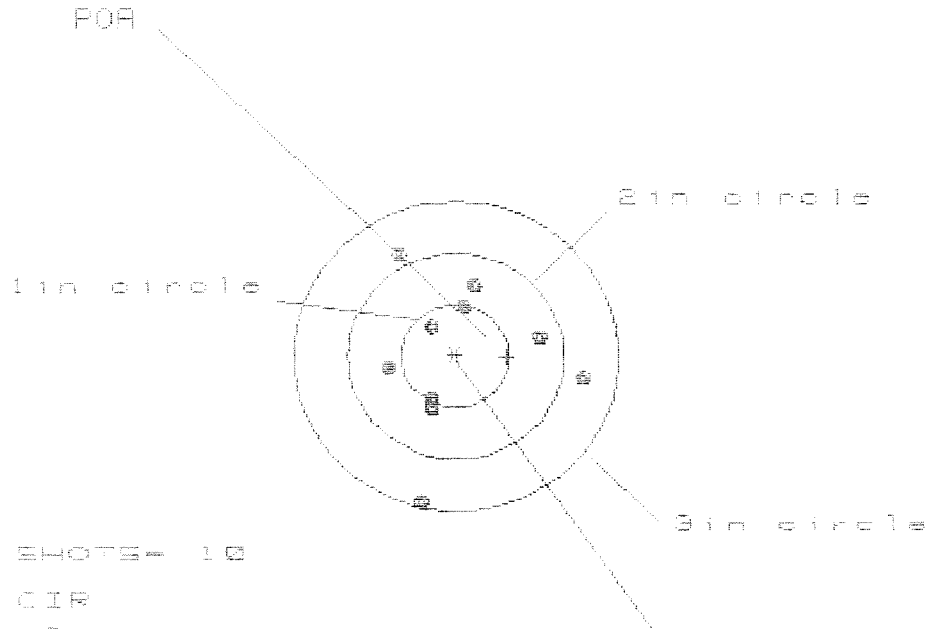
THE AMR FOR THIS RIFLE IS: .7212

17 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/083490L1

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 10

ME = 1.741

VE = 2.372

GE = 2.379

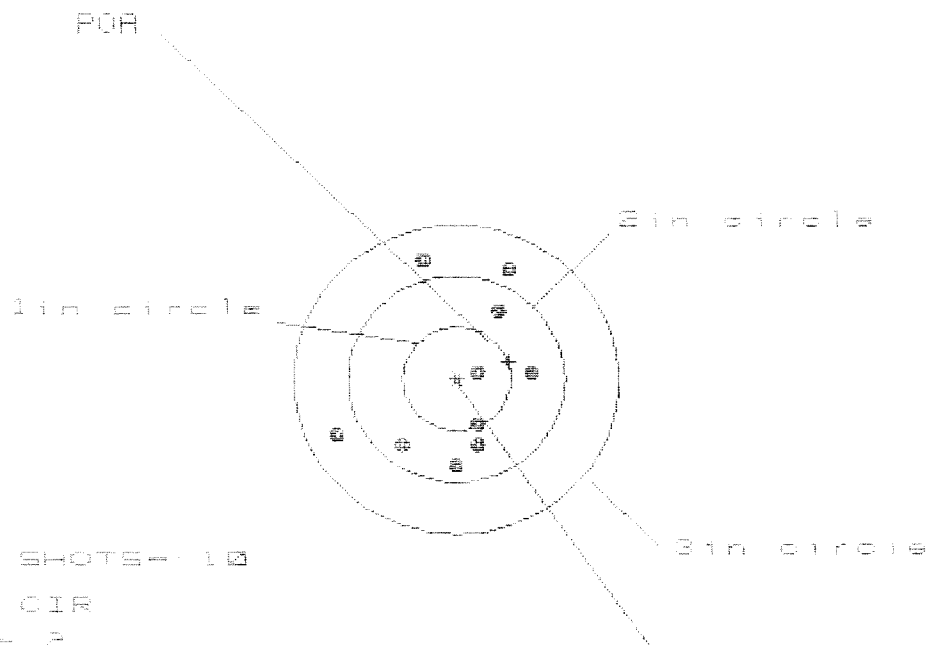
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.129	1.093	.864
MINIMUM X	-.612	-.648	-.511
MAXIMUM Y	1.000	.847	.803
MINIMUM Y	-1.372	-.687	-.731
CENTROID X	-.475	-.439	-.576
CENTROID Y	.010	.163	.207
POA TO CENTROID in.	.475	.469	.612
MIN RADIUS	.332	.252	.116
MEAN RADIUS	.767	.677	.592
MAX RADIUS	1.410	1.148	.897
HORIZONTAL SPREAD	1.741	1.741	1.375
VERTICAL SPREAD	2.372	1.534	1.534
EXTREME SPREAD	2.379	2.021	1.555
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

17 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349011

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 2

2in = 7

3in = 10

HS = 1.790

VS = 1.952

ES = 2.192

CENTROID #

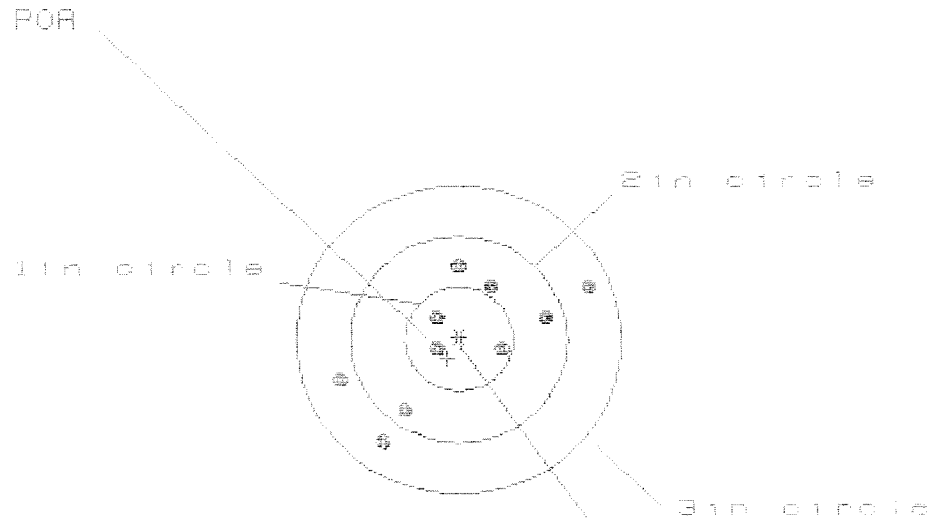
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.642	.514	.459
MINIMUM X	-1.148	-.678	-.733
MAXIMUM Y	1.149	1.035	1.099
MINIMUM Y	-.802	-.857	-.720
CENTROID X	-.490	-.362	-.307
CENTROID Y	-.163	-.109	-.246
POR TO CENTROID in.	.516	.378	.394
MIN RADIUS	.148	.043	.104
MEAN RADIUS	.784	.708	.625
MAX RADIUS	1.249	1.180	1.130
HORIZONTAL SPREAD	1.790	1.192	1.192
VERTICAL SPREAD	1.952	1.952	1.819
EXTREME SPREAD	2.192	1.982	1.923
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

17 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349011

CENTERFIRE PATTERNS

3



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 3.227

VS= 1.682

GS= 2.382

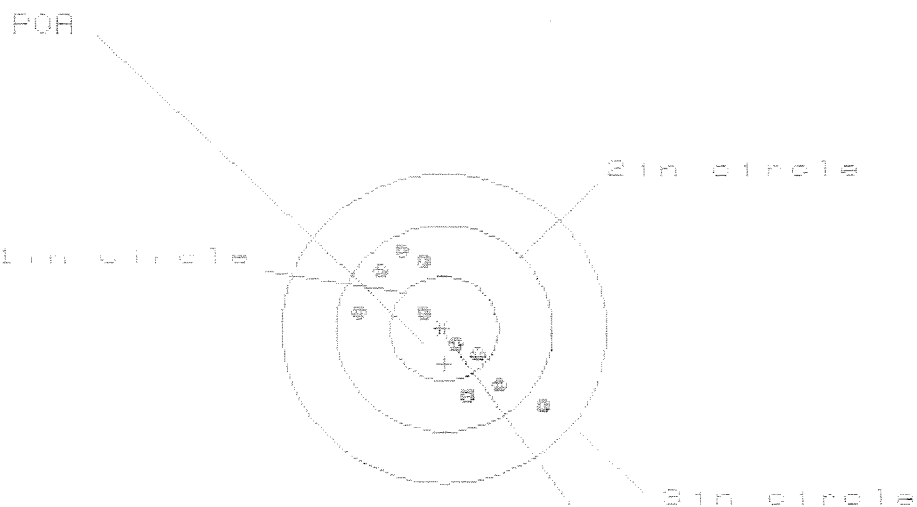
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.161	.897	.829
MINIMUM X	-1.066	-.936	-1.004
MAXIMUM Y	.684	.739	.622
MINIMUM Y	-.998	-.943	-.714
CENTROID X	.105	-.025	.043
CENTROID Y	.187	.132	.249
POR TO CENTROID in.	.214	.134	.253
MIN RADIUS	.213	.085	.220
MEAN RADIUS	.749	.684	.621
MAX RADIUS	1.263	1.085	1.085
HORIZONTAL SPREAD	2.227	1.833	1.833
VERTICAL SPREAD	1.682	1.682	1.336
EXTREME SPREAD	2.382	1.921	1.921
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

17 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/08349011

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 9

3 in = 10

HS= 1.650

VS= 1.564

CS= 1.982

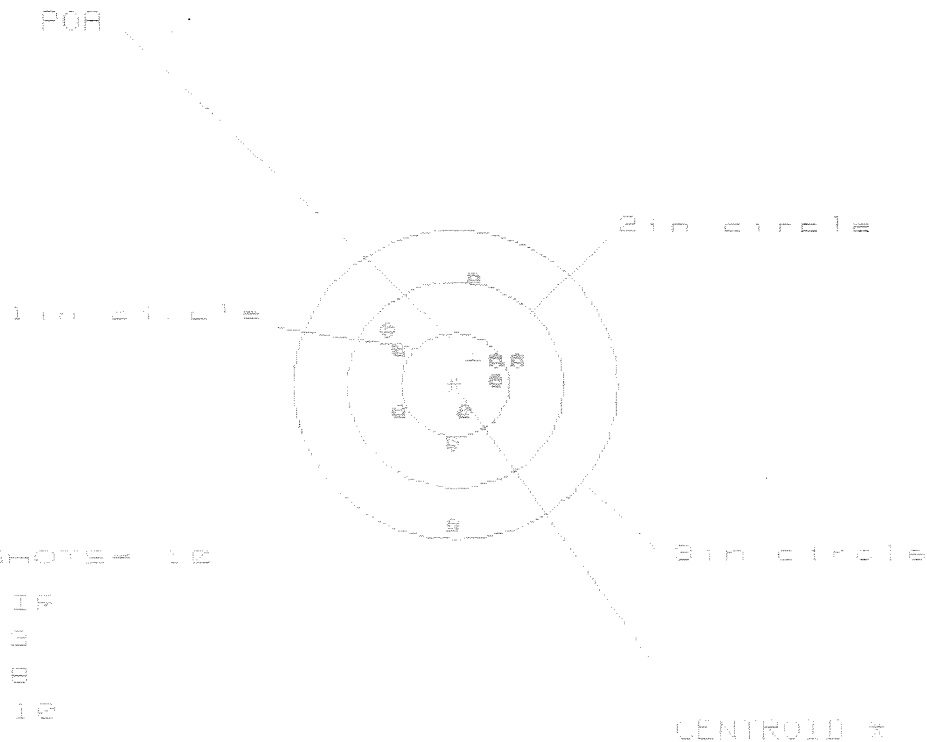
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.861	.654	.622
MINIMUM X	:	-.789	-.693	-.726
MAXIMUM Y	:	.803	.719	.639
MINIMUM Y	:	-.761	-.677	-.587
CENTROID X	:	-.009	-.105	-.073
CENTROID Y	:	.343	.427	.387
FOR TO CENTROID in.	:	.343	.440	.345
MIN RADIUS	:	.178	.101	.182
MEAN RADIUS	:	.647	.582	.555
MAX RADIUS	:	1.149	.897	.813
HORIZONTAL SPREAD	:	1.650	1.347	1.347
VERTICAL SPREAD	:	1.564	1.396	1.226
EXTREME SPREAD	:	1.982	1.615	1.563
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

17 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CG349011

CENTERFIRE PATTERNS # 5



OF SHOTS = 12

IN CIR

1 in = 3

2 in = 8

3 in = 10

ME = 1.162

VE = 2.334

SE = 2.340

PATTERN #

5

	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.580	.581	.603
MINIMUM X	-.583	-.581	-.559
MAXIMUM Y	.997	.848	.823
MINIMUM Y	-1.337	-.665	-.559
CENTROID X	-.171	-.172	-.194
CENTROID Y	-.234	-.085	-.191
POB TO CENTROID IN.	.289	.192	.273
MIN RADIUS	.277	.394	.325
MEAN RADIUS	.659	.584	.534
MAX RADIUS	1.337	.867	.769
HORIZONTAL SPREAD	1.162	1.162	1.162
VERTICAL SPREAD	2.334	1.513	1.887
EXTREME SPREAD	2.340	1.522	1.248
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

83 B

RECEIPT COPY 1

M2400105671

83B

MAINTENANCE REQUEST				PAGE NO.		NO OF PAGES		REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)					
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG													
SECTION I - EQUIPMENT DATA													
CONTROL NUMBER		WORK ORDER NO.			WESDC		ORG. PD		PD AUTHENTICATION				
☐ Work Request ☐ MWO ☒ Warranty Claim		1A. ORGANIZATION Bco 315 SFG			B. LOCATION Ft. Campbell Ky 42223				C. UNIT IDENT CODE WH0680				
2. SERIAL NO. 634001		3. NOUN NOMENCLATURE Rifle 7.62mm Sniper			4. LINE NO. R95387		5. MODEL M24		6. NATIONAL STOCK NUMBER 1005-01-240-2136				
7A. MAINTENANCE ACTIVITY IMO		B. LEVEL	8. UTILIZATION CODE	9A. MCSR ITEM	9B. ERC	9C. PACING ITEM	10. HOURS	11. MILES	12. ROUNDS	13. STARTS			
14. FAILURE DETECTED DURING (Select one - use ☒ or X)					15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)								
☐ A Sch. Main.		☐ C Test		☐ E Storage		☐ G Flight		☐ 068 Inoperative		☐ 258 Overheating		☐ 790 Out of Adjustment	
☐ B Handling		☐ D Normal Op		☐ F Inspection		☒ H Other		☐ 008 Noisy		☐ 387 Low Performance		☒ Other	
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). RUN COUNT OVER 5000													
B. REMARKS													
SECTION II - WORK ACCOMPLISHED													
17A. REPAIR ORGANIZATION/ACTIVITY				C. UNIT IDENT. CODE		18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ☒ or X)				19. AMS ACCT. CODE			
B. LOCATION						☐ 1 TOE ☐ 2 TD ☐ 3 Contractor							
20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO.			D. MANHOURS (Hrs. & tenths)	E. NATIONAL STOCK NUMBER		F. PART SOURCE CODE	G. QTY.	H. PARTS COST			
		(1) CB CODE	(2) REF DESIGN.	(3) MFR. CODE									
					.					\$			
					.					\$			
					.					\$			
					.					\$			
					.					\$			
					.					\$			
					.					\$			
					.					\$			
					.					\$			
					.					\$			
					.					\$			
					.					\$			
					I. TOTAL MANHOURS		J. TOTAL MANHOURS COST		K. TOTAL PARTS COST				
							\$		\$				
21. DELAY (Select One)													
☐ 1 Parts ☐ 2 Manpower ☐ 3 Facilities ☐ 4 Funds ☐ 5 Tools													
23. SUBMITTED BY <i>[Signature]</i>		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		28. DISPOSITION (Select One)			
JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged			

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349011

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		4/29/96	RW
600	Proof		4/29/96	RW
607	Check Headspace		4/29/96	RW
610	Dis-assemble Gun		4/29/96	RW
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		5/8/96	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/8/96	RW
	C) Inspect Ejector Hole for Chamfer		5/8/96	RW
	D) Oil Firing Pin Ass'y		5/8/96	RW
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS	DATE	INIT
625 cont.	F) Safety On Force			
	G) Safety Off Force			
	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		5/8/96	AT
	A) Time			
	B) Malfunctions			
	C) Pierced Primers			
	D) Optical Clarity of Scope			
645	Inspect for Live Ammo		5/8/96	AT
655	Final Inspection			
	A) Headspace		5/11/96	RW
	B) Trigger Pull		5/11/96	RW
	C) Function		5/11/96	RW
660	Pack			

Final Inspection

Sn: C6349011

DATE REC'D: 4/24/96

DATE RET'D:

AUDITOR: RW

Item:

Barrel Assy.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

Scope Assy.

☒ Scope☒ Scope Rings☒ Mounting Screws☒ Mounting Base☒ SCREWS☒ FINISH☒ LOOSENESS☒ CLARITY

Misc.

☐ DD-250☐ BAR CODE☐ PACKAGING

Item:

Stock Assy.

☒ Stock☒ Sling Swivel Studs☒ ADJUSTABLE Butt PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

Systems Case

☐ Scope Case☐ Iron SIGHTS☐ Deployment Kit

Trigger

☒ SAFETY OPERATION☒ SET

Comments: _____

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 0634 011
1 Apr 1900

CENTROIDAL DISTANCES

0 TO 1	.42681
1 TO 2	.72216
1 TO 3	.37546
1 TO 4	.441022
1 TO 5	.28013

1/2 <----POB

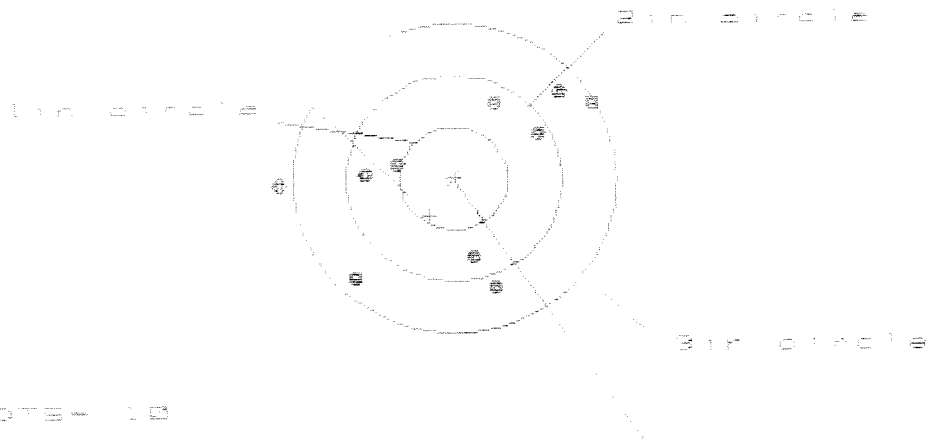
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .186
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0032
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .136028
THE AMR FOR THIS RIFLE IS: .9974

11/24/1986

FILE: \PATTERNING\CS71_92_PATT\06345011

CENTROID FIRE PATTERNS # 1

FOR



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS = 2.952

VS = 1.950

GS = 3.065

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	10	8
MAXIMUM X	1.171	1.104	1.909
MINIMUM X	-1.171	-1.104	-1.922
MAXIMUM Y	1.884	1.171	1.955
MINIMUM Y	-1.071	-1.084	-1.395
CENTROID X	.225	.410	.272
CENTROID Y	.359	.371	.282
POA TO CENTROID in.	.424	.532	.391
MIN RADIUS	.594	.699	.664
MEAN RADIUS	1.075	1.000	.951
MAX RADIUS	1.666	1.466	1.326
HORIZONTAL SPREAD	2.952	2.164	1.931
VERTICAL SPREAD	1.950	1.950	1.950
EXTREME SPREAD	3.065	2.766	2.631
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	8	

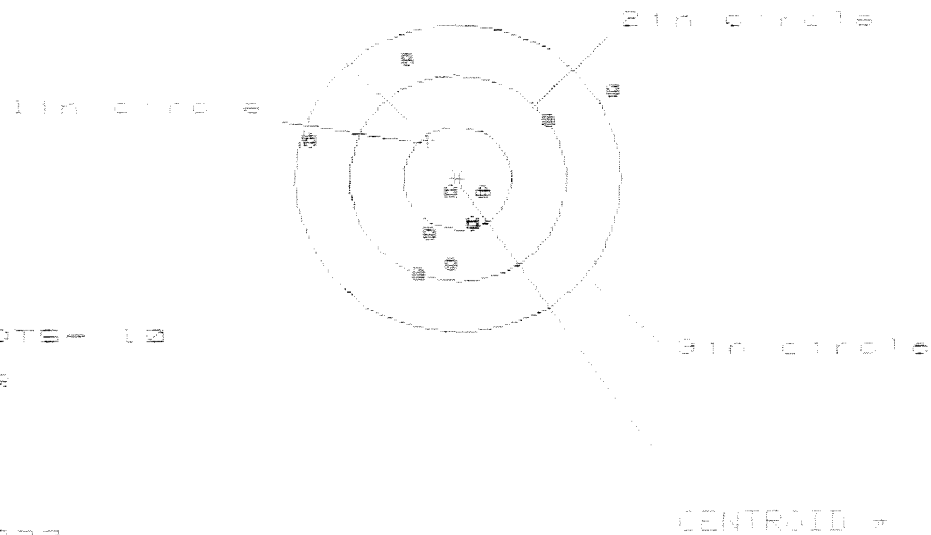
11 SEP 1968

FILE: PATTERNING/CENTERFIRE_PATT/08349011

CENTERFIRE PATTERNS

2

POB



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.822

VS= 2.106

GS= 2.865

PATTERN #

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POB TO CENTROID in.

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE =

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

847

-1.437

1.329

-1.777

.260

-1.531

.591

.084

.635

1.399

1.284

2.106

2.106

2.106

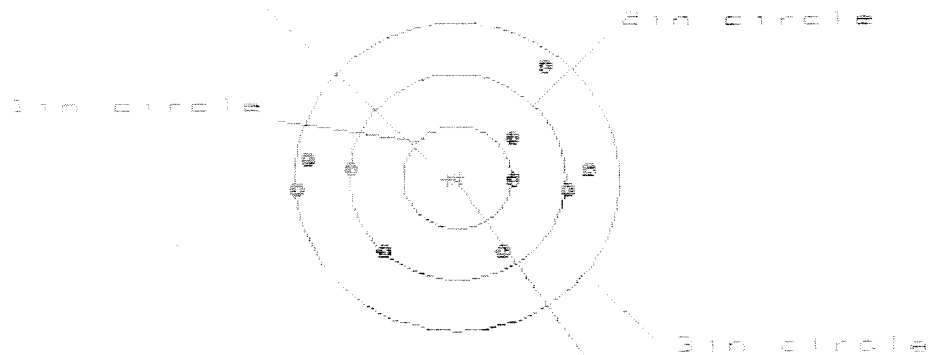
3

6

9

CENTERFIRE PATTERNS # 3

POA



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 3

3 in = 10

HS = 2.731

VS = 1.838

GS = 2.740

CENTROID #

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.896
MINIMUM X	1.379
MAXIMUM Y	1.071
MINIMUM Y	1.67
CENTROID X	1.442
CENTROID Y	1.018
POA TO CENTROID in.	1.442
MIN RADIUS	1.204
MEAN RADIUS	1.848
MAX RADIUS	1.552
HORIZONTAL SPREAD	2.731
VERTICAL SPREAD	1.838
EXTREME SPREAD	2.740
NUMBER IN ONE INCH CIRCLE	0
NUMBER IN TWO INCH CIRCLE	3
NUMBER IN THREE INCH CIRCLE	10

11 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08849011

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID +

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS = 2.222

VS = 2.222

GS = 2.870

PATTERN #

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID in.

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE =

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

.728

.509

.741

.940

.506

-.217

.551

.291

.764

1.252

1.737

1.681

2.084

1

5

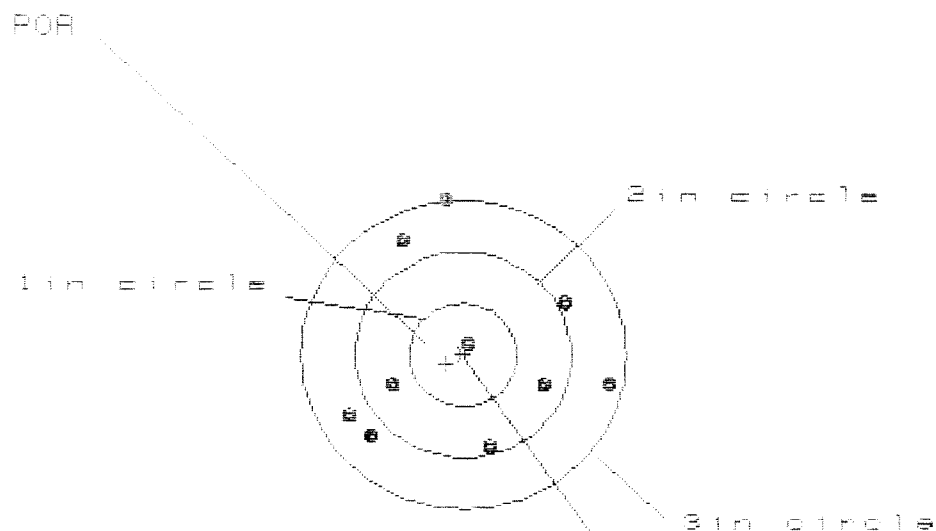
9

11 Mar 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C6345011

CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

IS= 0.004

VS= 0.004

GS= 0.440

CENTROID #

PATTERN #	SHOTS (BEST OF)	MAXIMUM X	MINIMUM X	MAXIMUM Y	MINIMUM Y	CENTROID X	CENTROID Y	POA TO CENTROID in.	MIN RADIUS	MEAN RADIUS	MAX RADIUS	HORIZONTAL SPREAD	VERTICAL SPREAD	EXTREME SPREAD	NUMBER IN ONE INCH CIRCLE	NUMBER IN TWO INCH CIRCLE	NUMBER IN THREE INCH CIRCLE
5	7	1.284	-1.070	1.255	-1.752	0.019	-0.063	0.066	0.362	0.894	1.315	1.959	2.007	2.262	1	4	9