

6221 +35

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington[®]

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

UPPONT

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

MODEL 700TM H24

SERIAL NO. C6225435

ORDER NO. 5716

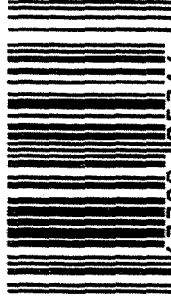
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada. Marque Deposee.

Ø1



5716 C6225435

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225435

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 4	89	RW
600	Proof	4 4	89	RW
607	Check Headspace	4 4	89	RW
610	Dis-assemble Gun	4 4	89	RW
612	Magnaflux Barrel Action	4-6	89	KCR
	Magnaflux Bolt	4-7	89	KCR
615	Rollmark Caliber	4-7	89	G.S.
617	Drill and Tap Sight Holes	4 7	89	YB
618	Polish Barrel	4 7	89	BT
620	Apply Coatings (Barrel Action)		4/19/89	ISA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		4/19/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/19/89	RW
	C) Inspect Ejector Hole for Chamfer		4/19/89	RW
	D) Oil Firing Pin Ass'y		4/19/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/20/89	YU

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			4/20/89	JH
	G) Safety Off Force	3	3	3			4/20/89	JH
	H) Trigger Pull Test & Retainability						4/20/89	LS
	I) Firing Pin Indent	.020	.020	.020			4/20/89	JH
	J) Assemble Stock						4/24/89	RW
	K) Assemble Swivel Studs						27 April 89	JS
	L) Attach Front and Rear Sight Assemblies						4/24/89	RW
	M) Iron Sight Alignment						4/24/89	RW
	N) Detach Front & Rear Sights & place in numbered container						4/24/89	RW
	O) Attach Scope to Rifle						4/24/89	JH
	P) Detach & Attach Scope 20 Times						4/26/89	JH
640	Gallery Target & Test	68 R	84 L				4/27/89	DH
	A) Time						4/27/89	DH
	B) Malfunctions						4/27/89	DH
	C) Pierced Primers						4/27/89	DH
	D) Optical Clarity of Scope						4/27/89	DH
645	Inspect for Live Ammo						4/27/89	DH
655	Final Inspection							
	A) Headspace						27 April 89	JS
	B) Trigger Pull	2.45	2.44	2.52	2.55	2.45	27 April 89	JS
	C) Function						27 April 89	JS
660	Pack						21 June 89	JS

SWS TRIGGER PULL TEST

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

SERIAL NO 26225435

DATE 4-4-90

TESTER JEP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.57	2.42		2.57	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.53	2.44		2.46	
PULL #3	2.42	2.45		2.48	
PULL #4	2.48	2.51		2.52	
PULL #5	2.44	2.42		2.47	
TOTAL	12.44	12.24		12.50	
AVG.	2.488	2.448		2.5	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.52	3.55		
PULL #2	3.50	3.43		
PULL #3	3.53	3.55		
PULL #4	3.55	3.58		
PULL #5	3.56	3.51		
TOTAL	17.66	17.62		
AVG.	3.532	3.524		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.32		
PULL #2	4.36	4.33		
PULL #3	4.35	4.35		
PULL #4	4.31	4.13		
PULL #5	4.30	4.33		
TOTAL	21.55	21.46		
AVG.	4.31	4.292		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225435
23 Apr 1989

CENTROIDAL DISTANCES

0 TO	1	.586285
1 TO	2	.315493
1 TO	3	.399372
1 TO	4	.1386
1 TO	5	.502227

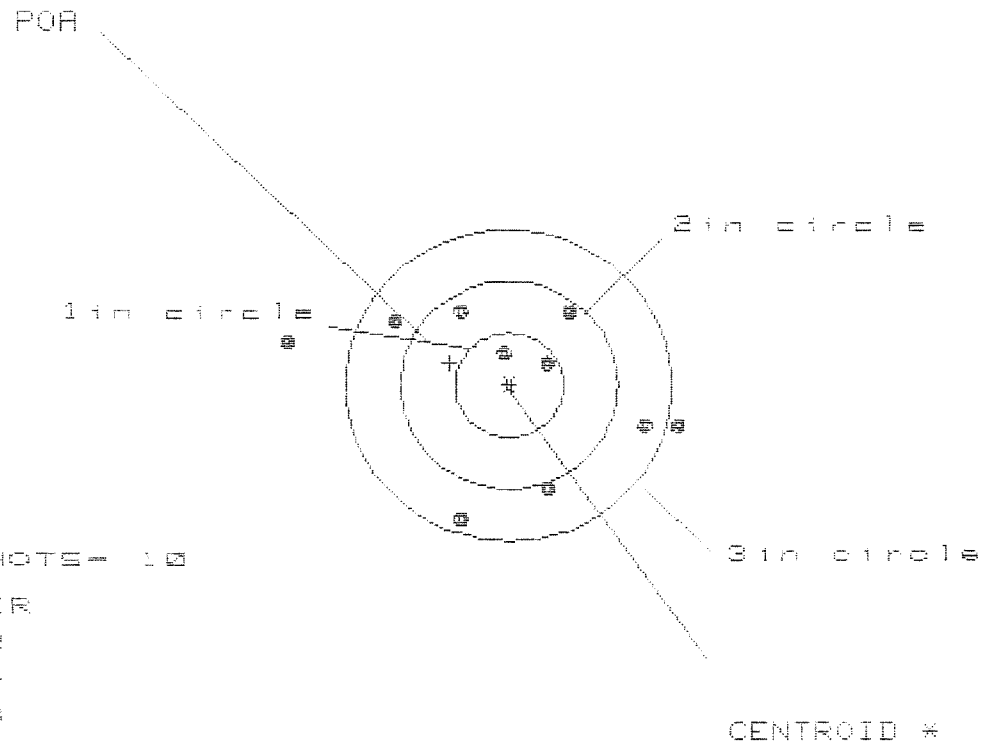
$\frac{\sum y^2}{5} \leftarrow \text{POA}$

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4554
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.237
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .513379
THE AMR FOR THIS RIFLE IS: 1.056

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225435

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HE = 3.554

VS = 2.074

GS = 3.639

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.535	1.311	1.172
MINIMUM X	:	-2.019	-1.301	-1.137
MAXIMUM Y	:	.756	.884	.766
MINIMUM Y	:	-1.318	-1.270	-1.388
CENTROID X	:	.547	.771	.687
CENTROID Y	:	-.211	-.259	-.221
POR TO CENTROID in.	:	.586	.813	.646
MIN RADIUS	:	.382	.243	.323
MEAN RADIUS	:	1.182	.973	.918
MAX RADIUS	:	2.064	1.467	1.407
HORIZONTAL SPREAD	:	3.554	2.612	2.309
VERTICAL SPREAD	:	2.074	2.074	2.074
EXTREME SPREAD	:	3.639	2.790	2.519
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

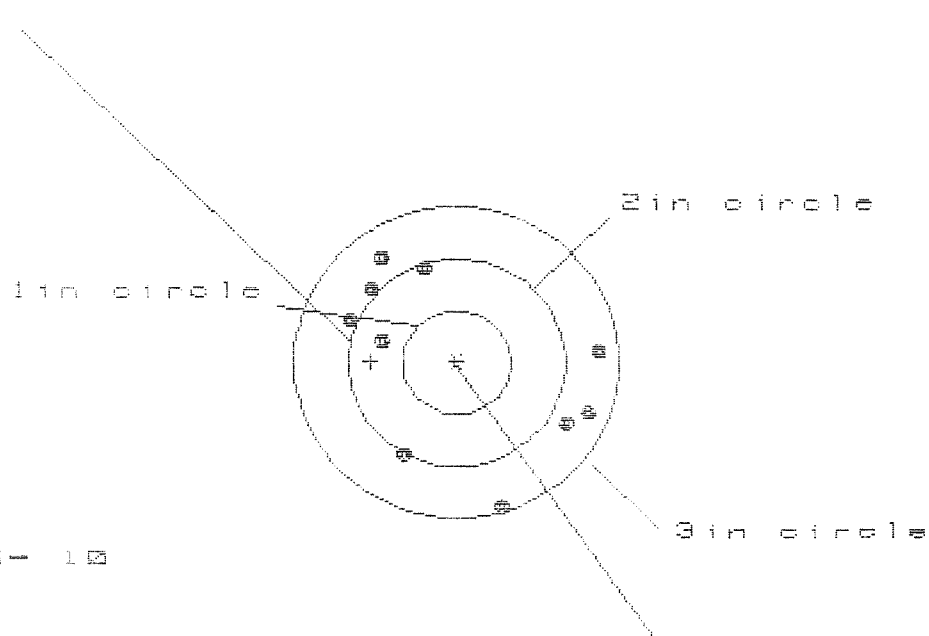
27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225435

CENTERFIRE PATTERNS

2

POB



OF SHOTS - 10

IN CIR

1 in = 8

2 in = 2

3 in = 10

HM = 0.818

VM = 0.886

GM = 0.841

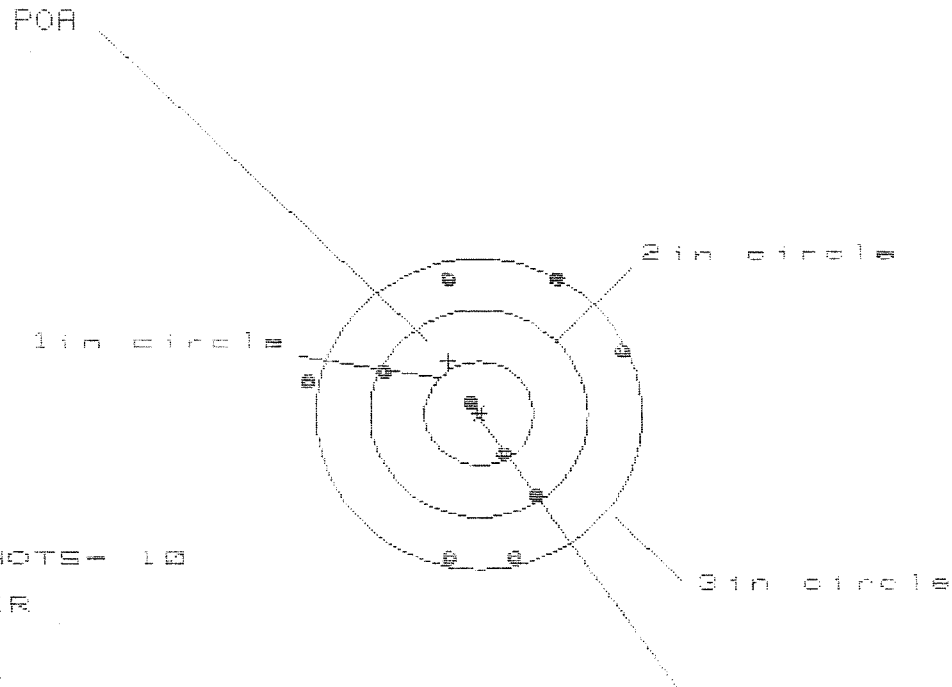
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.265	1.312	1.473
MINIMUM X	-.951	-.984	-.743
MAXIMUM Y	1.018	.865	.790
MINIMUM Y	-1.377	-1.071	-1.146
CENTROID X	.791	.744	.583
CENTROID Y	-.011	.142	.217
POB TO CENTROID in.	.791	.757	.622
MIN RADIUS	.728	.654	.492
MEAN RADIUS	1.119	1.057	.960
MAX RADIUS	1.442	1.422	1.477
HORIZONTAL SPREAD	2.216	2.216	2.216
VERTICAL SPREAD	2.396	1.936	1.936
EXTREME SPREAD	2.641	2.419	2.309
NUMBER IN ONE INCH CIRCLE =		8	
NUMBER IN TWO INCH CIRCLE =		2	
NUMBER IN THREE INCH CIRCLE =		10	

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225435

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.882

VS= 2.703

GS= 2.806

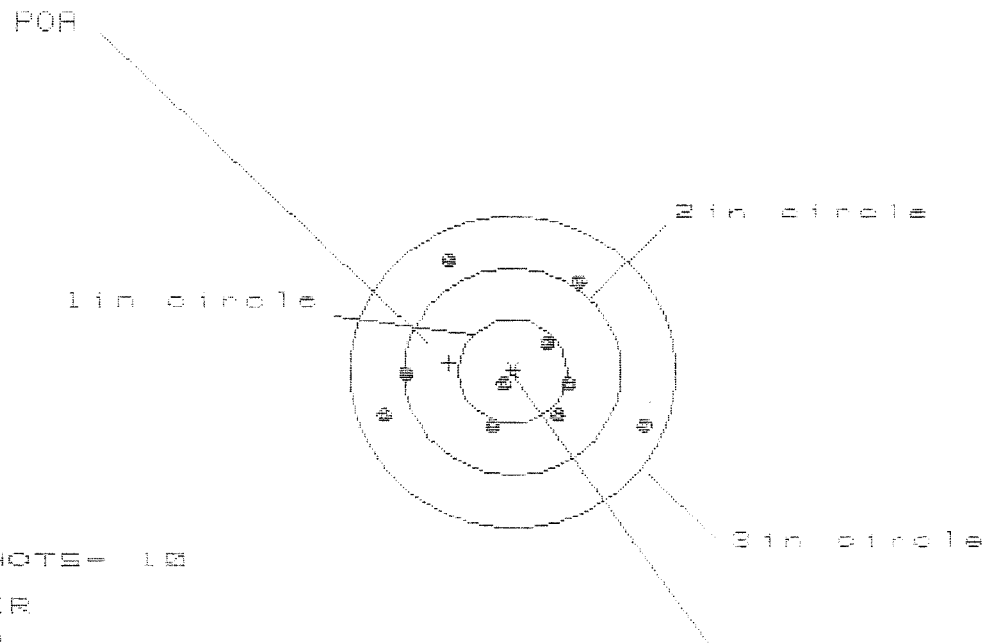
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.327	1.154	.658
MINIMUM X	:	-1.555	-1.009	-.865
MAXIMUM Y	:	1.282	1.312	1.397
MINIMUM Y	:	-1.421	-1.391	-1.307
CENTROID X	:	.280	.453	.308
CENTROID Y	:	-.508	-.538	-.622
POA TO CENTROID in.	:	.580	.703	.695
MIN RADIUS	:	.173	.328	.283
MEAN RADIUS	:	1.122	1.069	1.015
MAX RADIUS	:	1.578	1.465	1.544
HORIZONTAL SPREAD	:	2.882	2.163	1.523
VERTICAL SPREAD	:	2.703	2.703	2.703
EXTREME SPREAD	:	2.906	2.873	2.873
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225435

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS = 2.416

VS = 1.578

GS = 2.420

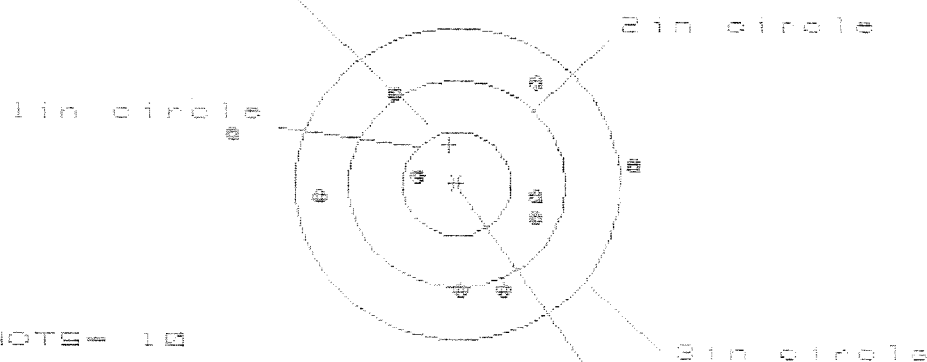
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.211	.757	.624
MINIMUM X	:	-1.205	-1.071	-.963
MAXIMUM Y	:	1.050	.993	.939
MINIMUM Y	:	-.527	-.585	-.639
CENTROID X	:	.586	.452	.586
CENTROID Y	:	-.078	-.021	.033
POA TO CENTROID in.	:	.591	.452	.586
MIN RADIUS	:	.196	.201	.288
MEAN RADIUS	:	.815	.768	.706
MAX RADIUS	:	1.316	1.156	1.093
HORIZONTAL SPREAD	:	2.416	1.828	1.586
VERTICAL SPREAD	:	1.578	1.578	1.578
EXTREME SPREAD	:	2.420	2.209	1.836
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225435

CENTERFIRE PATTERNS # 5

FOR



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 8

HS = 3.711

VS = 1.968

GS = 3.722

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.590	1.354	.694
MINIMUM X	-2.121	-1.519	-1.349
MAXIMUM Y	.948	.998	1.026
MINIMUM Y	-1.020	-.970	-.942
CENTROID X	.073	.309	.139
CENTROID Y	-.377	-.427	-.455
FOR TO CENTROID in.	.384	.527	.476
MIN RADIUS	.336	.497	.424
MEAN RADIUS	1.122	.973	.924
MAX RADIUS	2.168	1.520	1.350
HORIZONTAL SPREAD	3.711	2.873	2.043
VERTICAL SPREAD	1.968	1.968	1.968
EXTREME SPREAD	3.722	2.888	2.253
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-19888

M-24 W/ULTRA 10X-M3A SCOPE

INITIAL
FPS

CUSTOMER ORDER NO.

DATE RECEIVED

06/28/94

DATE OPENED

06/28/94

DATE CODE

CJ 4-89

SERIAL NUMBER

C6225435

NEW SERIAL NUMBER

MODEL AND GRADE

700 7.62

NATO

ACCESSORIES

W/STUDS

HARD CASE

SCOPE MNTS

SCOPE BASE

FROM:

TRANSPORTATION OFFICE
FT CAMPBELL

KY 42223

SHIP TO:

TRANSPORTATION OFFICE
FT CAMPBELLKY
42223

CUST NO: 087942 C.O.D L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROV. DATE

ESTIMATED

VIA

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

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

Rifle Shoots to the Left
New Barrel

PARTS

COMMENTS

Barrel - 96003

Repowder Coat - Floor plate, Trigger Guard, Front & Rear Sight Bases.
Kozine - Scope Base, Rings, Survival Studs

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/P

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400060751

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	
						02		Michael A Getchell CPT 3.C. Command Dir 9	
☐ Work Request ☐ MWO ☒ Warranty Claim		1A. ORGANIZATION HHC 1/182 th INF		B. LOCATION FTCKY 42223				C. UNIT IDENT CODE WDR 510	
2. SERIAL NO. C6225435		3. NOUN NOMENCLATURE Sniper System		4. LINE NO. R95387		5. MODEL M24		6. NATIONAL STOCK NUMBER 1005-01-240-2136	
7A. MAINTENANCE ACTIVITY		B. LEVEL		8. UTILIZATION CODE		9A. MCSR ITEM		9B. ERC	
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 ☐ B Handling ☐ D Normal Op ☒ F Inspection ☐ H Other					☐ 068 Inoperative ☐ 258 Overheating ☒ 790 Out of Adjustment ☐ 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) Sniper Rifle shoots to left, Barrel is out of adjustment									
B. REMARKS Pos of this is SPC Billy Buice 798-3017 Michael A Getchell CPT 3.C. Command Dir 9									
PREPARATION INSTRUCTIONS (Prior to using this form, read DA PAM 738-750 for detailed preparation instructions)									
1. Place a "✓" or an "X" in the box for the type of action required. 2. Enter the WESDC if the item is Materiel Condition Status Reportable. 3. Enter the priority designator as determined from the urgency of need and force activity designator. 4. The Unit Commander, Chief of TDA activity or their designated representative will authenticate, by signature, a priority of 01 through 08. 5. Block 1A. Enter the name of the organization submitting the request. 6. Block 1B. Enter the unit submitting the request; units overseas enter APO only. 7. Block 1C. Enter the unit identification code of the unit in block 1A. 8. Block 2. Enter the equipment serial number. For ammunition, enter the lot number. For administrative-use vehicles, enter the USA registration number. 9. Block 3. Enter the noun abbreviation of the item. 10. Block 4. Enter the item line number, if applicable. 11. Block 5. Enter the model number. 12. Block 6. Enter the National Stock Number of the item listed in Block 3. 13. Block 7. Enter the name of the support activity. 14. Block 7A. Enter the symbol of the maintenance category (O, F, H, D, or L). 15. Block 8. Enter the utilization code. 16. Block 9A. Enter the word "yes" if the item is Materiel Condition Status Reportable. 17. Block 9B. Enter the equipment readiness code, if applicable. 18. Block 9C. Enter the word "yes" if the item is a pacing item. 19. Block 10. Enter the hour reading, if applicable. 20. Block 11. Enter the mileage from the odometer, if applicable. 21. Block 12. Enter the total rounds fired, if applicable. 22. Block 13. For turbine engines, enter the number of hot starts. 23. Block 14. Enter a "✓" or "X" in the proper block. 24. Block 15. Enter a "✓" or "X" in the proper block. 25. Block 16. Describe briefly the fault or symptoms needing correction.									
23. SUBMITTED BY		24. RECEIVED BY							
Julian Date		Julian Date							
4/02									

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 <i>Michael A. Getchell</i> Capt, S.C. Commanding	
☐ Work Request ☐ MWO ☒ Warranty Claim		1A. ORGANIZATION <i>HHC/187th INF</i>		B. LOCATION <i>FLCKY</i>		C. UNIT IDENT CODE <i>WORSTO</i>	
2. SERIAL NO. <i>6225391</i>		3. NOUN NOMENCLATURE <i>Sniper System</i>		4. LINE NO. <i>R95382</i>	5. MODEL <i>M24</i>	6. NATIONAL STOCK NUMBER <i>1005-01-240-2136</i>	
7A. MAINTENANCE ACTIVITY		B. LEVEL	8. UTILIZATION CODE	9A. MCSR ITEM	9B. ERC	9C. PACING ITEM	10. HOURS
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 ☐ B Handling ☐ D Normal Op ☒ F Inspection ☐ H Other				☐ 068 Inoperative ☐ 258 Overheating ☒ 790 Out of Adjustment ☐ 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) <i>Sniper Rifle shoots to left. Barrel is out of adjustment</i>							
B. REMARKS <i>Poc of this is SPC Billy Buice 798-3017-</i> <i>Michael A. Getchell</i> Capt S.C. Commanding							
PREPARATION INSTRUCTIONS (Prior to using this form, read DA PAM 738-750 for detailed preparation instructions)							
1. Place a "✓" or an "X" in the box for the type of action required. 2. Enter the WESDC if the item is Materiel Condition Status Reportable. 3. Enter the priority designator as determined from the urgency of need and force activity designator. 4. The Unit Commander, Chief of TDA activity or their designated representative will authenticate, by signature, a priority of 01 through 08. 5. Block 1A. Enter the name of the organization submitting the request. 6. Block 1B. Enter the unit submitting the request; units overseas enter APO only. 7. Block 1C. Enter the unit identification code of the unit in block 1A. 8. Block 2. Enter the equipment serial number. For ammunition, enter the lot number. For administrative-use vehicles, enter the USA registration number. 9. Block 3. Enter the noun abbreviation of the item. 10. Block 4. Enter the item line number, if applicable. 11. Block 5. Enter the model number. 12. Block 6. Enter the National Stock Number of the item listed in Block 3.				13. Block 7. Enter the name of the support activity. 14. Block 7A. Enter the symbol of the maintenance category (O, F, H, D, or L). 15. Block 8. Enter the utilization code. 16. Block 9A. Enter the word "yes" if the item is Materiel Condition Status Reportable. 17. Block 9B. Enter the equipment readiness code, if applicable. 18. Block 9C. Enter the word "yes" if the item is a pacing item. 19. Block 10. Enter the hour reading, if applicable. 20. Block 11. Enter the mileage from the odometer, if applicable. 21. Block 12. Enter the total rounds fired, if applicable. 22. Block 13. For turbine engines, enter the number of hot starts. 23. Block 14. Enter a "✓" or "X" in the proper block. 24. Block 15. Enter a "✓" or "X" in the proper block. 25. Block 16. Describe briefly the fault or symptoms needing correction.			
23. SUBMITTED BY <i>Buice</i>		24. RECEIVED BY					
JULIAN DATE <i>4/102</i>		JULIAN DATE					

Final Inspection

In: C6225435

DATE REC'D: 6/28/94

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: _____

CONTRACT # DAAA21-87-C-0086

New Barrel

GUN SERIAL # C6225435

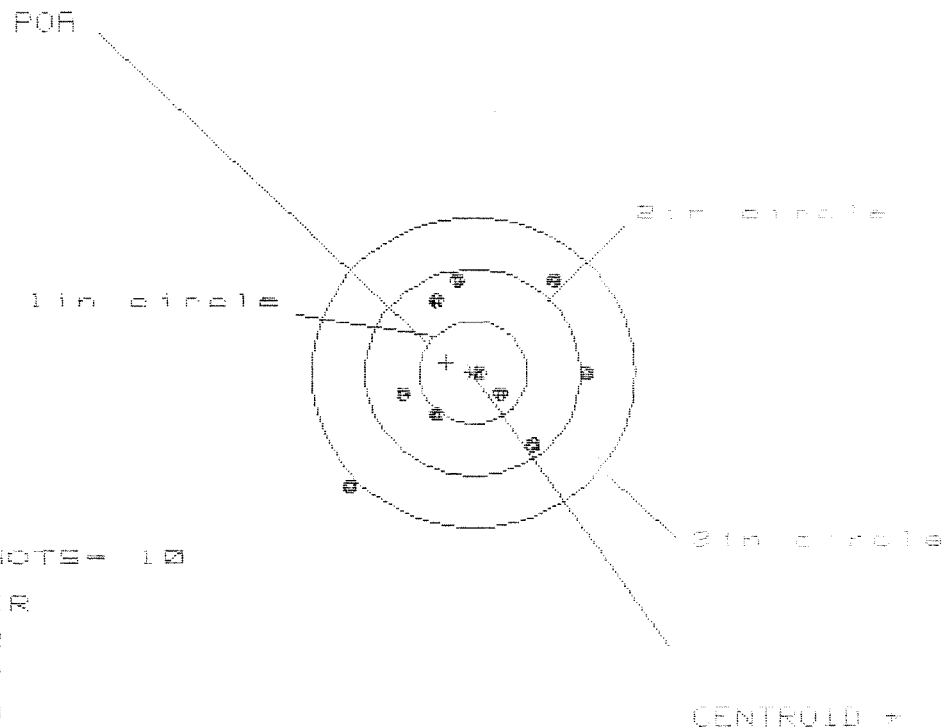
OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		6/29/94	RW
600	Proof		6/29/94	RW
607	Check Headspace		6/29/94	RW
610	Dis-assemble Gun		6/29/94	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/20/94	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/20/94	RW
	C) Inspect Ejector Hole for Chamfer		7/20/94	RW
	D) Oil Firing Pin Ass'y		7/20/94	RW
	E) Adjust Trigger Pull to Min Setting and Stake		7/20/94	RW

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						7/22/94	RW
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo						7/22/94	RW
655	Final Inspection						7/23/94	RW
	A) Headspace						7/23/94	RW
	B) Trigger Pull	2.53	2.58	2.58	2.59	2.59	7/23/94	RW
	C) Function						7/23/94	RW
660	Pack							

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CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS = 2.163

VS = 2.063

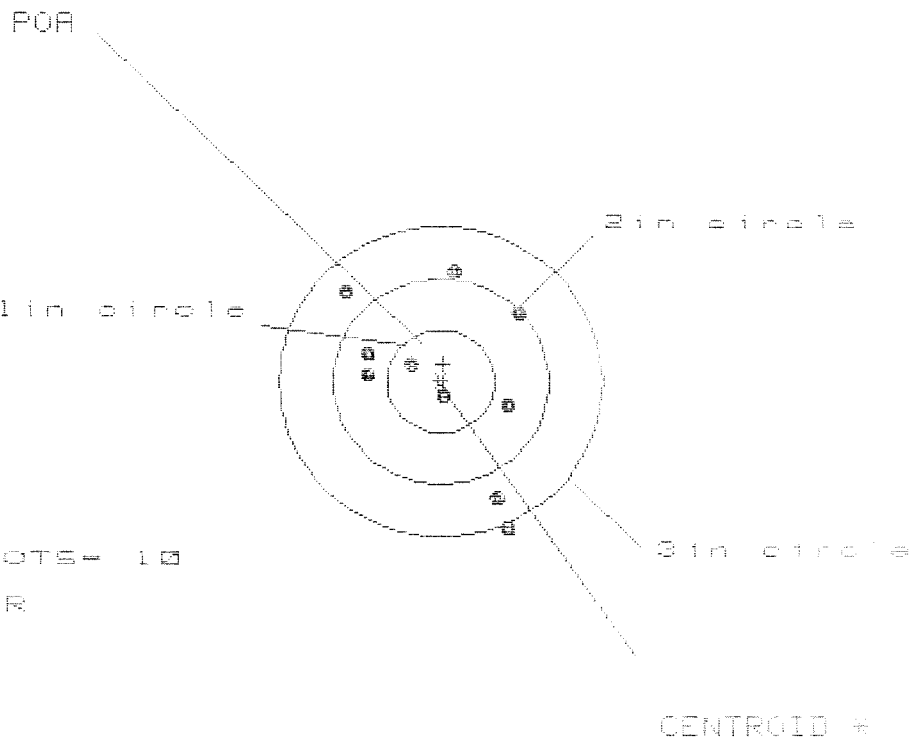
GS = 2.750

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.049	.925	.998
MINIMUM X	:	-1.114	-.800	-.727
MAXIMUM Y	:	.925	.799	.827
MINIMUM Y	:	-1.138	-.834	-.734
CENTROID X	:	.247	.371	.298
CENTROID Y	:	-.100	.026	-.074
POB TO CENTROID in.	:	.267	.372	.307
MIN RADIUS	:	.080	.114	.026
MEAN RADIUS	:	.796	.709	.646
MAX RADIUS	:	1.592	.988	.998
HORIZONTAL SPREAD	:	2.163	1.725	1.725
VERTICAL SPREAD	:	2.063	1.633	1.551
EXTREME SPREAD	:	2.750	1.750	1.732
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 1.569

VS= 2.472

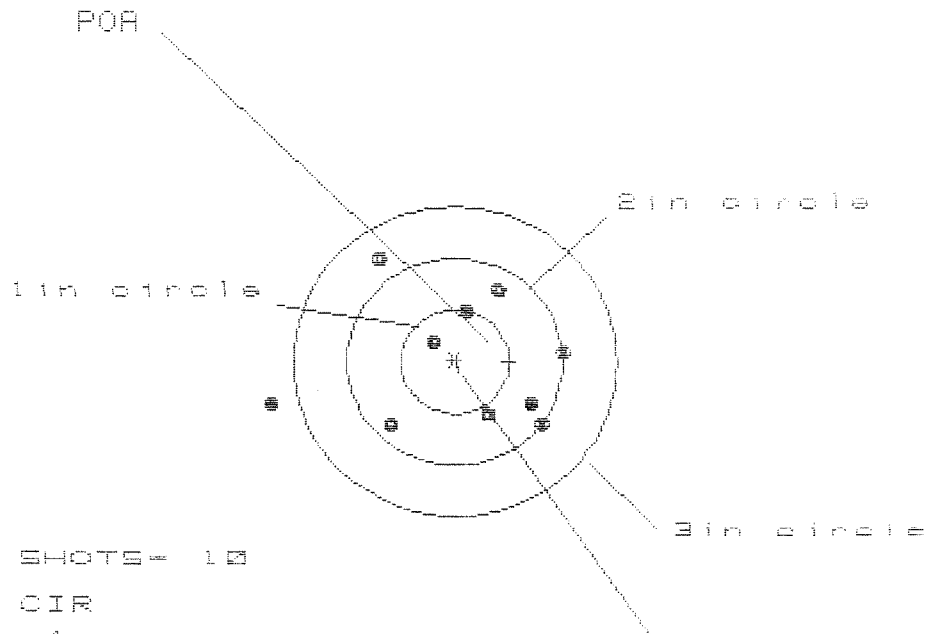
GS= 2.699

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.715	.781	.852
MINIMUM X	:	-.854	-.788	-.717
MAXIMUM Y	:	1.028	.867	.704
MINIMUM Y	:	-1.444	-1.307	-.530
CENTROID X	:	-.022	-.088	-.159
CENTROID Y	:	-.170	-.009	.154
POA TO CENTROID in.	:	.171	.089	.222
MIN RADIUS	:	.142	.231	.252
MEAN RADIUS	:	.849	.754	.663
MAX RADIUS	:	1.563	1.425	.915
HORIZONTAL SPREAD	:	1.569	1.569	1.569
VERTICAL SPREAD	:	2.472	2.174	1.234
EXTREME SPREAD	:	2.699	2.398	1.794
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HE= 2.628

VS= 1.608

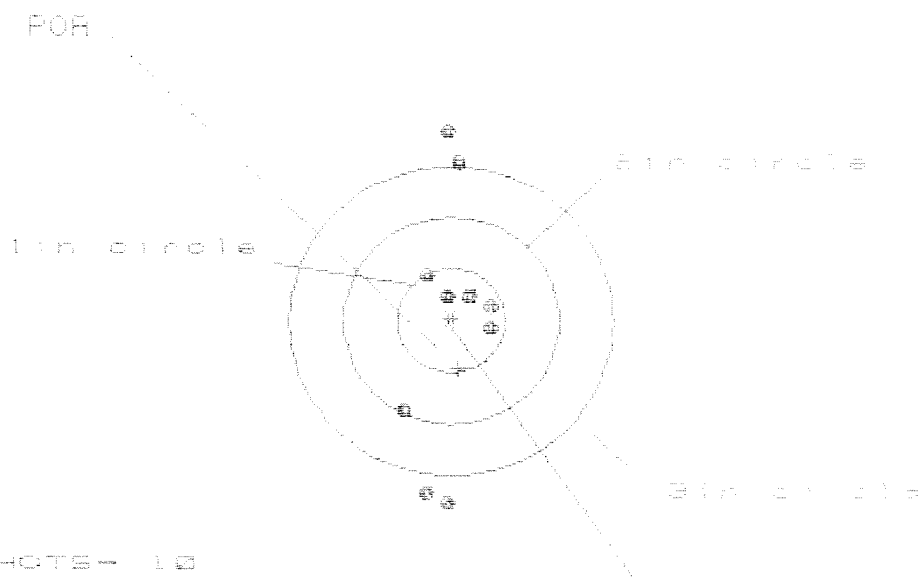
GS= 2.678

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.970	.786	.671
MINIMUM X	:	-1.658	-.923	-.913
MAXIMUM Y	:	1.008	.961	.739
MINIMUM Y	:	-.600	-.647	-.527
CENTROID X	:	-.501	-.317	-.282
CENTROID Y	:	.005	.052	-.068
POA TO CENTROID in.	:	.501	.321	.213
MIN RADIUS	:	.304	.443	.451
MEAN RADIUS	:	.879	.762	.674
MAX RADIUS	:	1.712	1.332	1.055
HORIZONTAL SPREAD	:	2.628	1.709	1.584
VERTICAL SPREAD	:	1.608	1.608	1.266
EXTREME SPREAD	:	2.678	2.231	1.727
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 6

3 in = 6

HE= .755

VE= 3.609

GS= 3.609

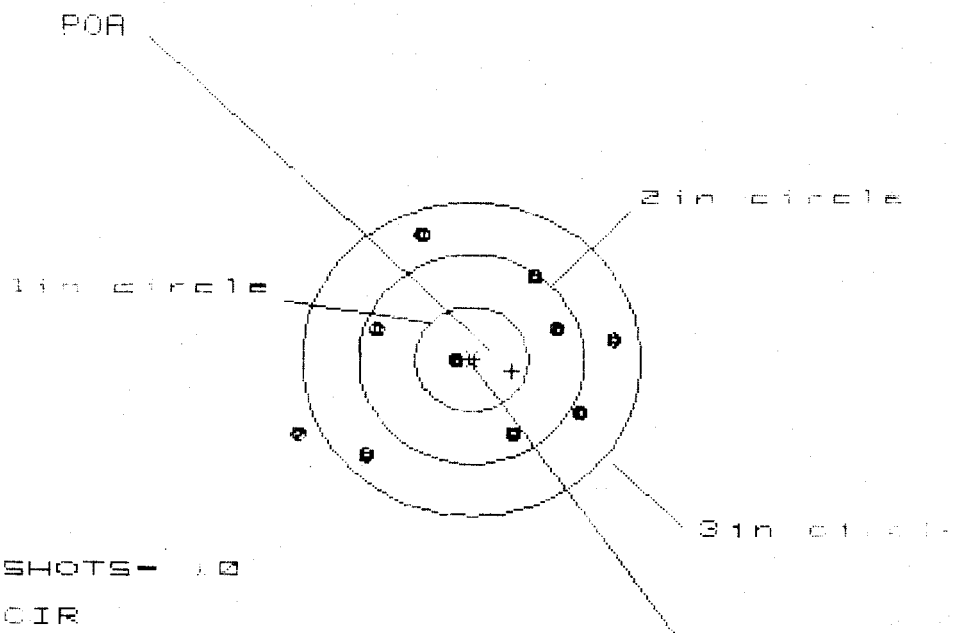
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.349	.349	.351
MINIMUM X	:	-.406	-.406	-.404
MAXIMUM Y	:	1.832	1.745	1.549
MINIMUM Y	:	-1.777	-1.574	-1.663
CENTROID X	:	-.065	-.065	-.067
CENTROID Y	:	.462	.259	.455
POR TO CENTROID in.	:	.467	.267	.460
MIN RADIUS	:	.238	.369	.245
MEAN RADIUS	:	.953	.890	.742
MAX RADIUS	:	1.832	1.749	1.385
HORIZONTAL SPREAD	:	.755	.755	.755
VERTICAL SPREAD	:	3.609	3.319	3.212
EXTREME SPREAD	:	3.609	3.320	3.235
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		6	

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CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS = 2.707

VS = 2.102

GS = 2.862

CENTROID +

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	0
MAXIMUM X	:	1.214	1.049	.915
MINIMUM X	:	-1.493	-1.067	-1.171
MAXIMUM Y	:	1.179	1.102	.977
MINIMUM Y	:	-.923	-1.000	-.890
CENTROID X	:	-.359	-.194	-.060
CENTROID Y	:	.109	.186	.311
POA TO CENTROID in.	:	.376	.268	.316
MIN RADIUS	:	.141	.309	.472
MEAN RAD.	:	1.005	.921	.835
MAX RADIUS	:	1.645	1.462	1.194
HORIZONTAL SPREAD	:	2.707	2.116	2.085
VERTICAL SPREAD	:	2.102	2.102	1.847
EXTREME SPREAD	:	2.862	2.414	2.125
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	