

C6522232

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00110414

Serial: C6522232 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

New 3/28/2006 10:37:47 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: CO A 1/20 SFG A

CO A 1/20 SFG A

Address 1: 1455 SHUG JORDAN PARKWAY

1455 SHUG JORDAN PARKWAY

Address 2: ATTN MR GAY

PO Box:

ATTN MR GAY

PO Box:

City: AUBURN

AUBURN

State: AL

Zip Code: 36832

Country: US

State: AL

Zip Code: 36832

Country: US

FEL

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good

Condition

Notes:

CSF

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
C000	SGT BASES	2

Repair Search

Refresh

Close

nagletj

3/28/2006

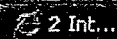
10:52 AM

CAPS

NUM

INS

SCRL



10:52 AM

Serial Number: C6522232

Model: M24 SWS



RE00110414

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522232.___0
FILE DATE AND TIME: 04/12/2006 14:21

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.052
The Average Y Centroid of the Five Target Set:	0.068
The Average Point of Impact of the Five Target Set:	0.086
The Average Mean Radius of the Five Target Set:	0.649
The Distance from POA to Centroid Target #1:	0.403
The Distance from Centroid Target #2 to Centroid Target #1:	0.501
The Distance from Centroid Target #3 to Centroid Target #1:	0.304
The Distance from Centroid Target #4 to Centroid Target #1:	0.400
The Distance from Centroid Target #5 to Centroid Target #1:	0.428

SERIAL NUMBER: C6522232. __0

TARGET NUMBER: 1

FILE DATE: 04/12/2006

FILE TIME: 14:21

POINT#	X	Y
1:	-0.646	1.515
2:	-0.970	1.072
3:	-0.735	0.846
4:	0.360	0.752
5:	0.248	0.105
6:	0.191	-0.186
7:	-0.554	-0.242
8:	0.039	-0.889
9:	1.028	-0.472
10:	-0.668	1.145

X CENTROID: -0.171

Y CENTROID: 0.365

POA TO CENTROID: 0.403

HORZ SPREAD: 1.998

VERT SPREAD: 2.404

GROUP SPREAD: 2.598

MIN RADIUS: 0.493

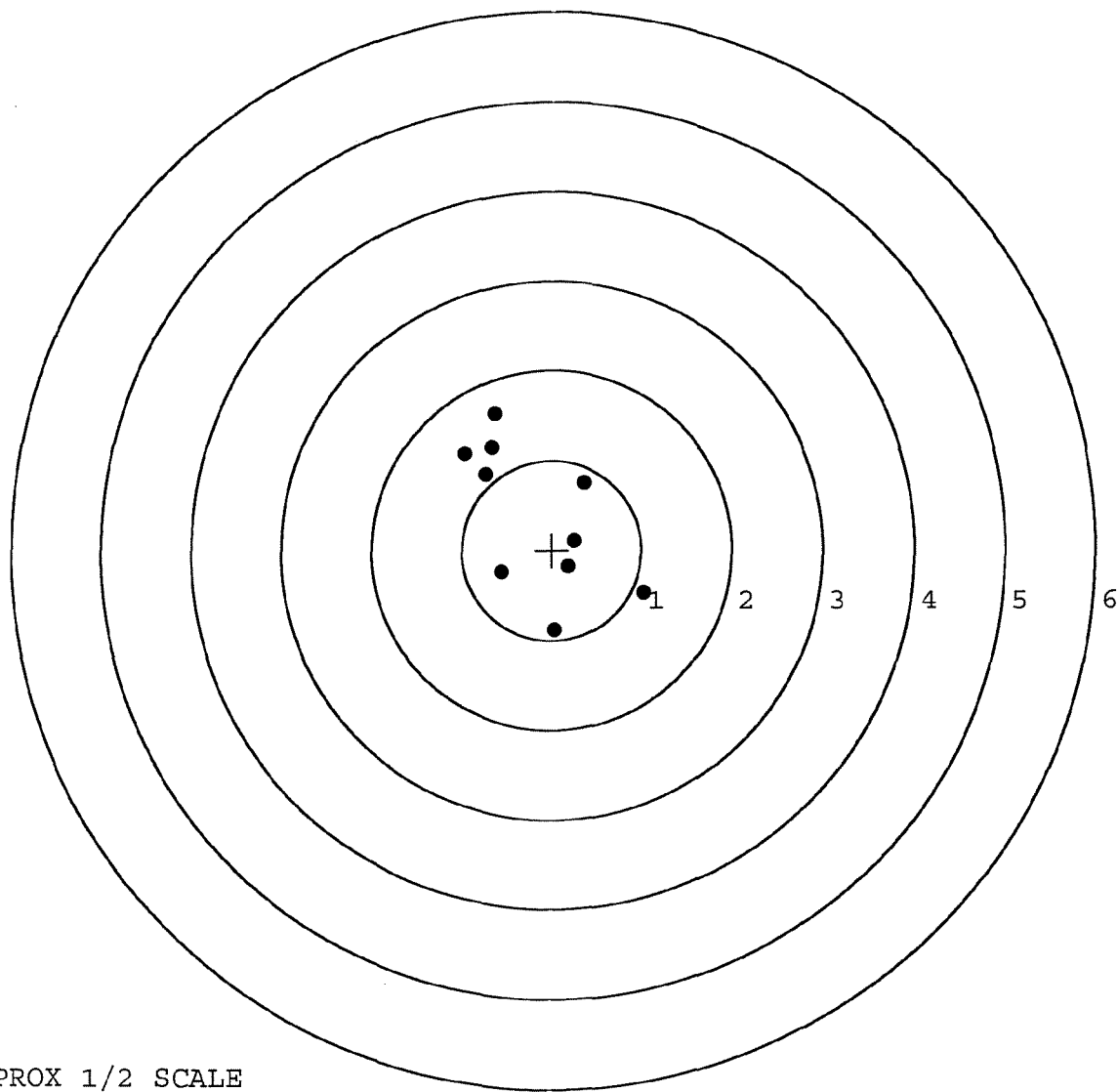
MAX RADIUS: 1.462

MEAN RADIUS: 0.924

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522232. __0

TARGET NUMBER: 2

FILE DATE: 04/12/2006

FILE TIME: 14:21

POINT#	X	Y
1:	0.222	0.623
2:	0.192	0.322
3:	-0.339	0.161
4:	0.165	-0.155
5:	-0.039	-0.374
6:	-1.269	-0.473
7:	-0.196	-1.264
8:	0.073	-0.073
9:	-0.151	-0.039
10:	-0.013	-0.079

X CENTROID: -0.136

Y CENTROID: -0.135

POA TO CENTROID: 0.191

HORZ SPREAD: 1.491

VERT SPREAD: 1.887

GROUP SPREAD: 1.850

MIN RADIUS: 0.097

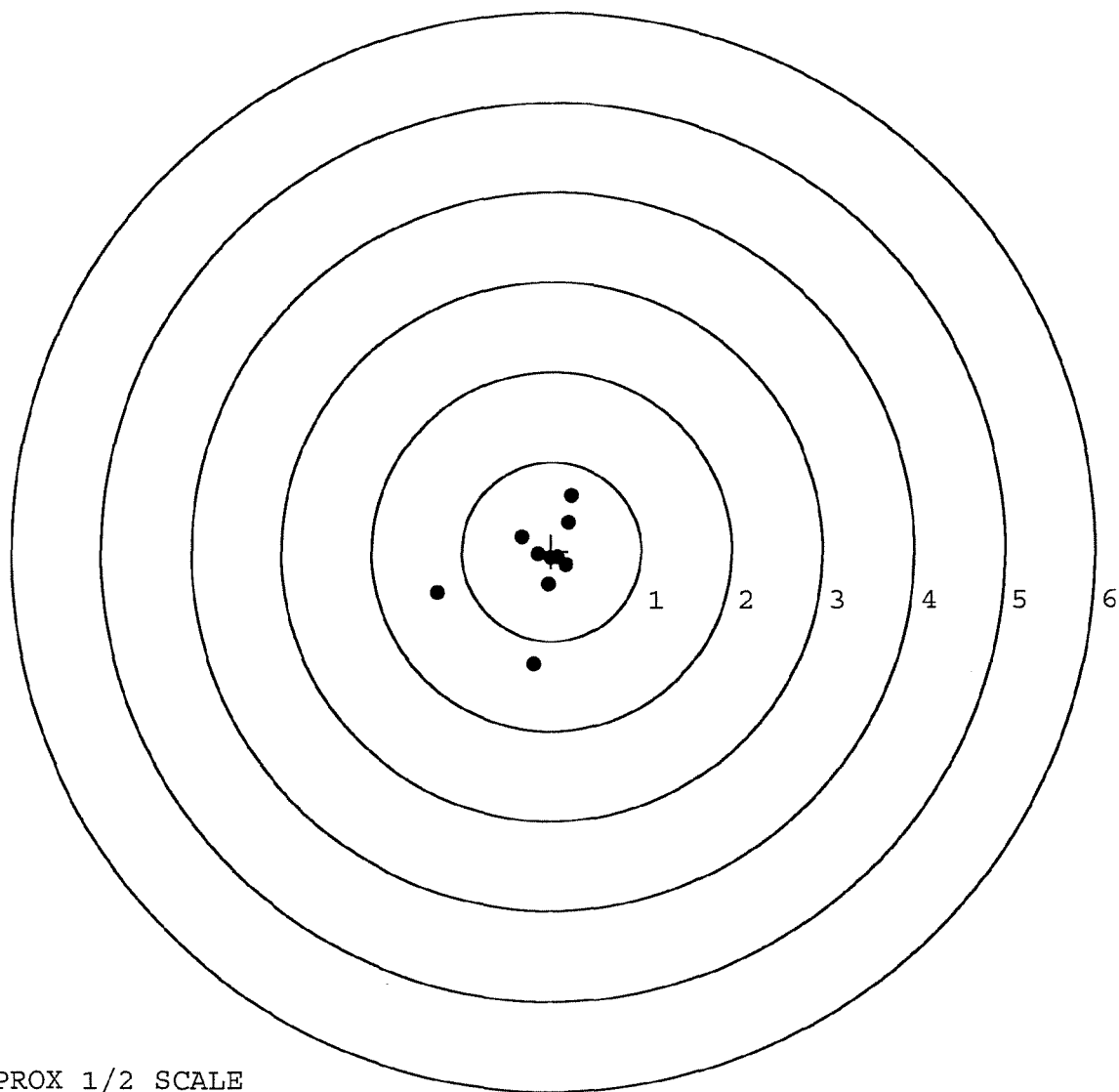
MAX RADIUS: 1.183

MEAN RADIUS: 0.508

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522232. __0

TARGET NUMBER: 3

FILE DATE: 04/12/2006

FILE TIME: 14:21

POINT#	X	Y
1:	0.434	0.695
2:	0.654	0.392
3:	0.562	-0.423
4:	-0.925	-0.018
5:	-0.408	0.074
6:	-0.376	-0.193
7:	-0.078	-0.355
8:	0.120	-0.058
9:	-0.018	0.290
10:	-0.094	0.646

X CENTROID: -0.013

Y CENTROID: 0.105

POA TO CENTROID: 0.106

HORZ SPREAD: 1.579

VERT SPREAD: 1.118

GROUP SPREAD: 1.631

MIN RADIUS: 0.185

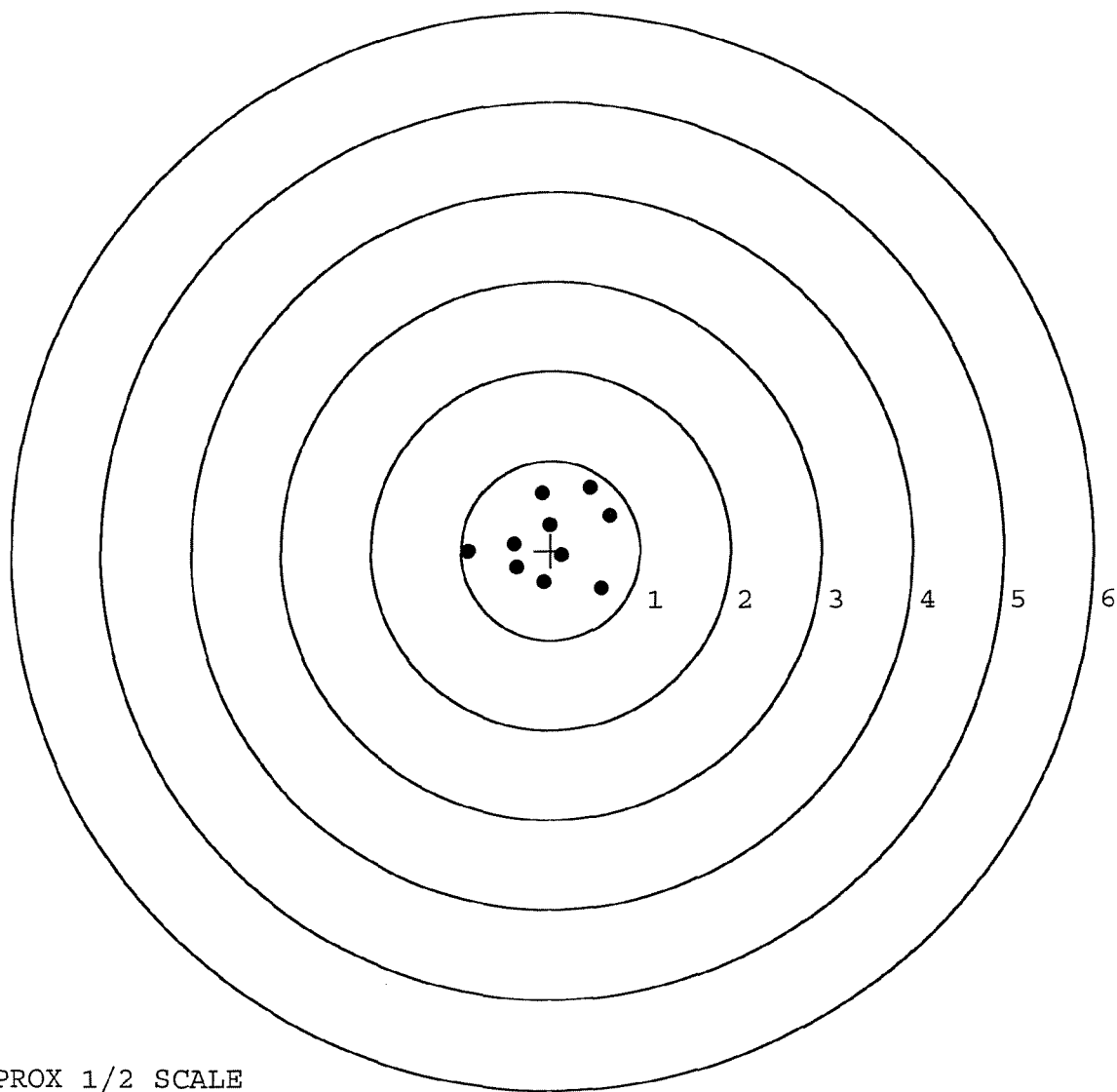
MAX RADIUS: 0.920

MEAN RADIUS: 0.544

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522232.____0

TARGET NUMBER: 4

FILE DATE: 04/12/2006

FILE TIME: 14:21

X CENTROID: -0.007

Y CENTROID: 0.000

POA TO CENTROID: 0.007

HORZ SPREAD: 1.503

VERT SPREAD: 1.644

GROUP SPREAD: 2.079

MIN RADIUS: 0.341

MAX RADIUS: 1.427

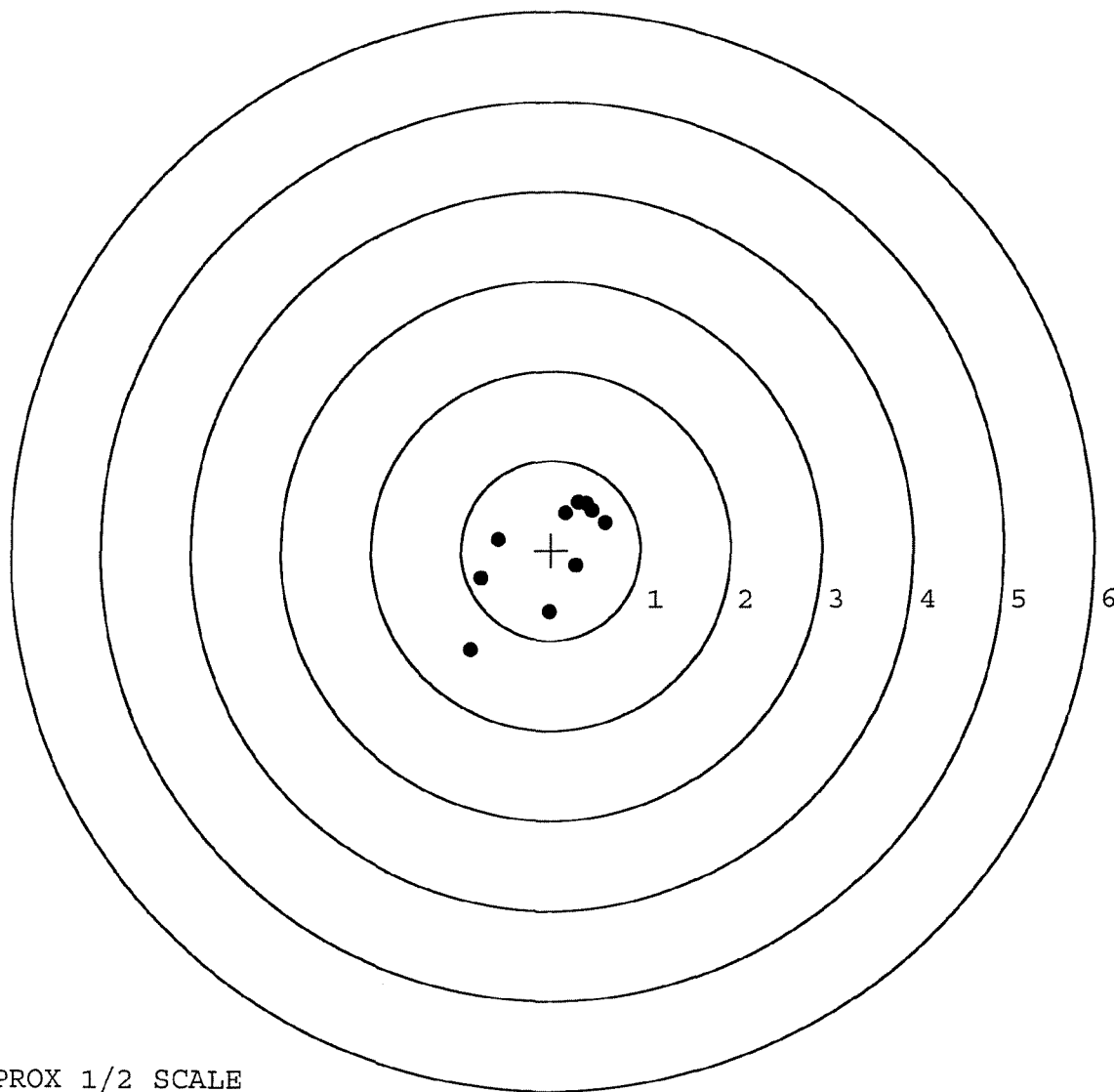
MEAN RADIUS: 0.691

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.897	-1.116
2:	-0.018	-0.692
3:	0.285	-0.176
4:	-0.587	0.112
5:	-0.774	-0.320
6:	0.161	0.411
7:	0.304	0.528
8:	0.392	0.515
9:	0.458	0.435
10:	0.606	0.303



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522232. __0

TARGET NUMBER: 5

FILE DATE: 04/12/2006

FILE TIME: 14:21

POINT#	X	Y
1:	-0.653	-1.299
2:	-0.802	-0.054
3:	0.021	0.616
4:	0.449	0.502
5:	0.265	0.216
6:	0.449	0.151
7:	0.673	0.272
8:	-0.026	0.213
9:	0.049	-0.100
10:	0.227	-0.437

X CENTROID: 0.065

Y CENTROID: 0.008

POA TO CENTROID: 0.066

HORZ SPREAD: 1.475

VERT SPREAD: 1.915

GROUP SPREAD: 2.111

MIN RADIUS: 0.109

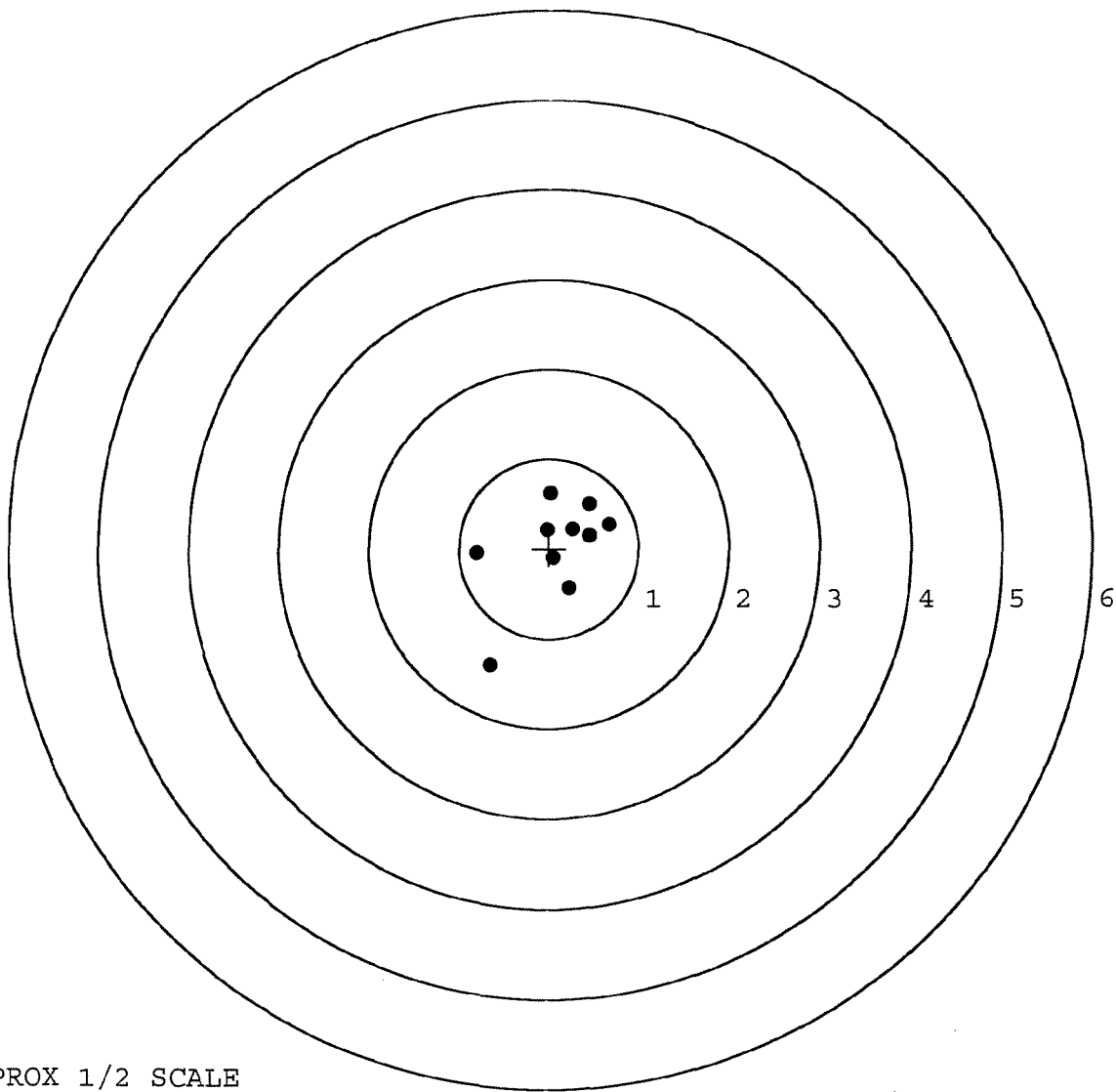
MAX RADIUS: 1.491

MEAN RADIUS: 0.576

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)
3.00 LBS (plus or minus 0.75 LBS)
4.00 LBS (plus or minus 1.00 LBS)

DATE 3-15-06

TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.62	2.55		2.48	
PULL #2	2.47	2.40		2.48	
PULL #3	2.40	2.41		2.49	
PULL #4	2.54	2.43		2.48	
PULL #5	2.59	2.47		2.50	
TOTAL	12.62	12.26		12.43	
AVERAGE	2.52	2.45		2.48	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.10	2.97		
PULL #2	3.09	2.99		
PULL #3	3.03	2.97		
PULL #4	3.08	2.97		
PULL #5	3.06	2.97		
TOTAL	15.36	14.87		
AVERAGE	3.07	2.97		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.01	3.99		4.00
PULL #2	3.97	4.17		4.13
PULL #3	4.04	4.11		4.07
PULL #4	4.04	4.12		4.01
PULL #5	4.05	4.17		4.02
TOTAL	20.11	20.56		20.23
AVERAGE	4.02	4.11		4.04

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	110414		
SERIAL NUMBER	06522232		
LOG-IN DATE	3-28-06		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-29-06	RTZ
560 A	RE-BARREL	4-3-06	RTZ
B	DRILL AND TAP	4-4-06	TRW
575	ASSEMBLE	4-4-06	RTZ
600	PROOF	4-4-06	TRW
605	CHECK HEADSPACE	4-4-06	TRW
610	DIS-ASSEMBLE GUN	4-4-06	RTZ
612	MAGNAFLUX	4-5-06	APD
615	ROLLMARK CALIBER	4-5-06	CW
618	ROTO-BLAST	4-5-06	LB
620	APPLY COATINGS	4-6-06	TRW
625 A	FINAL ASSEMBLY	4-10-06	RTZ
B	TRIGGER PULL TEST	4-13-06	A
C	SAFETY "ON" FORCE	4-13-06	A
D	SAFETY "OFF" FORCE	4-13-06	A
E	FIRING PIN INDENT	4-13-06	A
640	TARGET	4-12-06	APD
655	FINAL INSPECT	4-13-06	AC
660	PACK	4-19-06	APD
		SHIP DATE	
QAR INSPECTION DATE			

Remington		 REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24		SERIAL NO. C6522232	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		01	



5716 C6522232

UPC



0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498815
14 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.847043
1 TO	2	.240393
1 TO	3	.173692
1 TO	4	.705669
1 TO	5	.667888

$\bar{x}$ $\bar{y}$ <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .6254
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1352
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .639847
THE AMR FOR THIS RIFLE IS: .8726

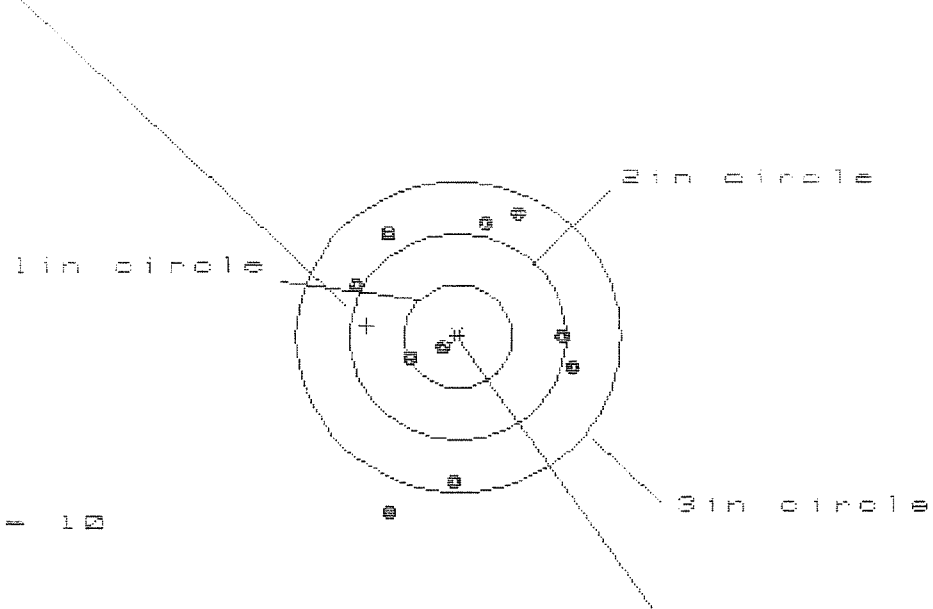
14 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498815

CENTERFIRE PATTERNS

1

POB



OF SHOTS= 10

IN CIR

1in = 2

2in = 3

3in = 9

HS= 1.868

VS= 2.947

GS= 3.152

CENTROID #

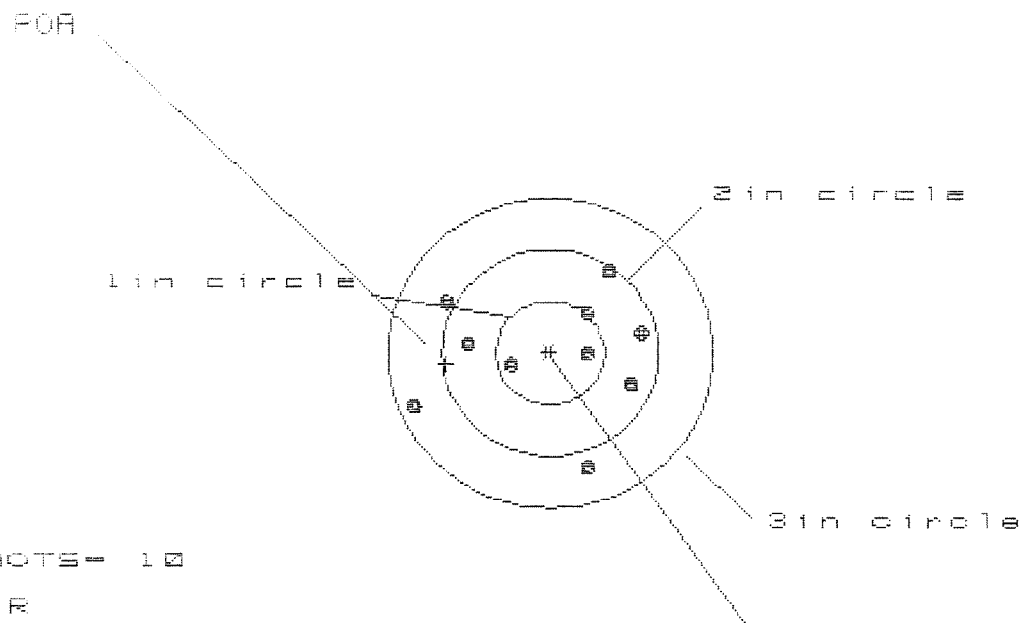
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.029	.963	.949
MINIMUM X	-.940	-1.006	-1.020
MAXIMUM Y	1.242	1.053	.851
MINIMUM Y	-1.705	-1.613	-.665
CENTROID X	.841	.907	.921
CENTROID Y	-.101	.088	.290
POB TO CENTROID in.	.847	.911	.965
MIN RADIUS	.193	.386	.574
MEAN RADIUS	1.065	.982	.895
MAX RADIUS	1.805	1.617	1.159
HORIZONTAL SPREAD	1.969	1.969	1.969
VERTICAL SPREAD	2.947	2.666	1.516
EXTREME SPREAD	3.152	2.726	2.124
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	9		

14 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B815

CENTERFIRE PATTERNS

2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.087

VS= 1.957

GS= 2.250

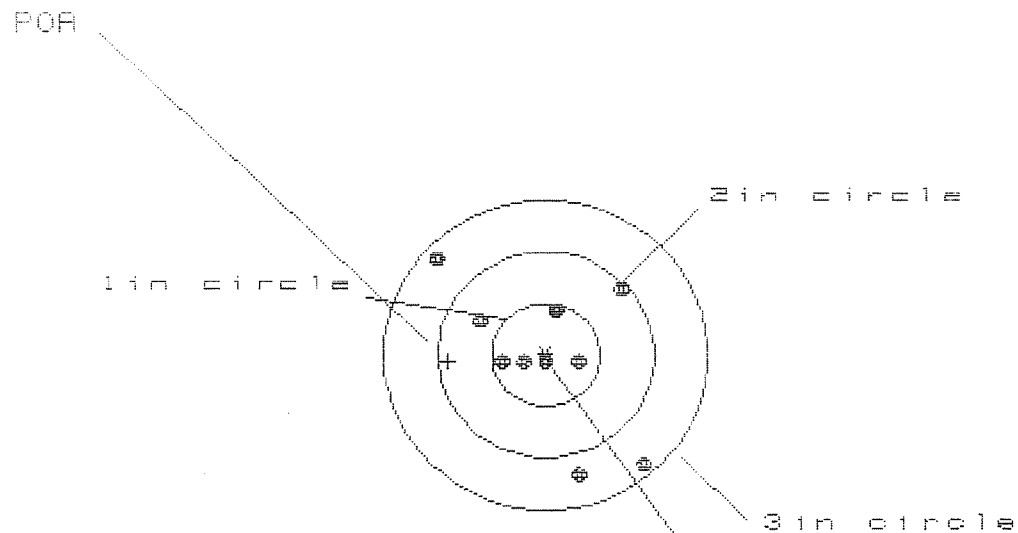
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.857	.721	.745
MINIMUM X	:	-1.230	-1.064	-1.040
MAXIMUM Y	:	.838	.783	.636
MINIMUM Y	:	-1.119	-1.174	-.523
CENTROID X	:	.958	1.094	1.070
CENTROID Y	:	.109	.164	.311
POA TO CENTROID in.	:	.964	1.107	1.114
MIN RADIUS	:	.350	.230	.332
MEAN RADIUS	:	.832	.752	.693
MAX RADIUS	:	1.328	1.191	1.086
HORIZONTAL SPREAD	:	2.087	1.785	1.785
VERTICAL SPREAD	:	1.957	1.957	1.159
EXTREME SPREAD	:	2.250	2.066	1.894
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

14 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498815

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 5

2 in = 7

3 in = 10

HS= 1.941

VS= 2.088

GS= 2.776

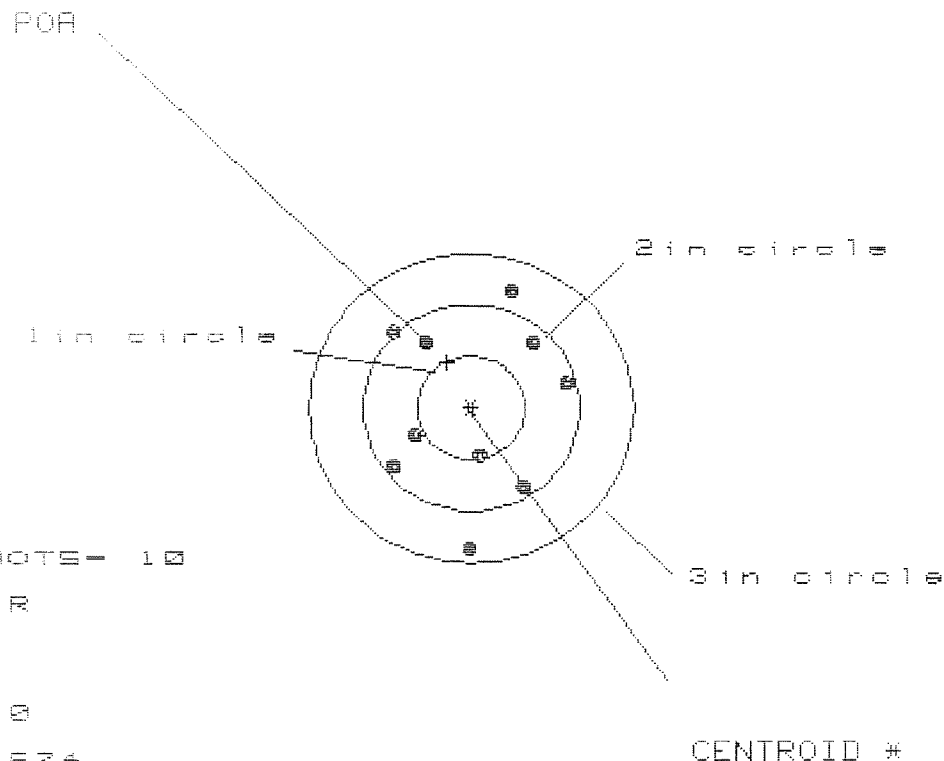
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.901	.785	.714
MINIMUM X	:	-1.040	-.748	-.650
MAXIMUM Y	:	.959	.747	.633
MINIMUM Y	:	-1.129	-1.023	-1.137
CENTROID X	:	.901	1.017	.919
CENTROID Y	:	.062	-.044	.070
POA TO CENTROID in.	:	.903	1.018	.921
MIN RADIUS	:	.038	.144	.052
MEAN RADIUS	:	.709	.650	.542
MAX RADIUS	:	1.415	1.208	1.167
HORIZONTAL SPREAD	:	1.941	1.533	1.364
VERTICAL SPREAD	:	2.088	1.770	1.770
EXTREME SPREAD	:	2.776	2.020	1.827
NUMBER IN ONE INCH CIRCLE =			5	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			10	

14 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498815

CENTERFIRE PATTERNS # 4



OF SHOTS - 10
 # IN CIR
 1in = 1
 2in = 7
 3in = 10
 HS = 1.674
 VS = 2.531
 GS = 2.560

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.923	.922	.968
MINIMUM X	:	-.751	-.752	-.706
MAXIMUM Y	:	1.164	1.012	.752
MINIMUM Y	:	-1.367	-.923	-.797
CENTROID X	:	.221	.222	.175
CENTROID Y	:	-.438	-.286	-.412
POA TO CENTROID in.	:	.490	.362	.448
MIN RADIUS	:	.459	.611	.490
MEAN RADIUS	:	.908	.853	.810
MAX RADIUS	:	1.367	1.078	.990
HORIZONTAL SPREAD	:	1.674	1.674	1.674
VERTICAL SPREAD	:	2.531	1.935	1.549
EXTREME SPREAD	:	2.560	2.078	1.963
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

14 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B815

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS= 2.267

VS= 2.210

GS= 2.272

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.111	1.070	.920
MINIMUM X	:	-1.156	-1.197	-.846
MAXIMUM Y	:	1.233	.927	.980
MINIMUM Y	:	-.977	-.840	-.787
CENTROID X	:	.206	.247	.397
CENTROID Y	:	-.308	-.445	-.498
POA TO CENTROID in.	:	.370	.509	.637
MIN RADIUS	:	.204	.124	.074
MEAN RADIUS	:	.849	.773	.677
MAX RADIUS	:	1.288	1.272	1.295
HORIZONTAL SPREAD	:	2.267	2.267	1.766
VERTICAL SPREAD	:	2.210	1.767	1.767
EXTREME SPREAD	:	2.272	2.272	2.096
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

SWS TRIGGER PULL TEST

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

SERIAL NO. C6522232

DATE 9-11-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.30	2.27	2.34	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.22	2.28	2.28	2.35	
PULL #3	2.33	2.33	2.35	2.41	
PULL #4	2.25	2.31	2.27	2.37	
PULL #5	2.30	2.29	2.32	2.31	
TOTAL	11.43	11.51	11.49	11.78	
AVG.	2.286	2.302	2.298	2.356	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.49	3.45		
PULL #2	3.42	3.47		
PULL #3	3.38	3.44		
PULL #4	3.44	3.42		
PULL #5	3.42	3.48		
TOTAL	17.15	17.26		
AVG.	3.43	3.452		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.16	4.32		4.41
PULL #2	4.31	4.49		4.33
PULL #3	4.31	4.33		4.43
PULL #4	4.34	4.35		4.33
PULL #5	4.32	4.26		4.31
TOTAL	21.44	21.75		21.81
AVG.	4.288	4.35		4.362

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			8/13/90	YJ
	G) Safety Off Force	4	4	4			8/13/90	YJ
	H) Trigger Pull Test & Retainability						9-11-90	YJ
	I) Firing Pin Indent	.0235	.0235	.0235			8/13/90	YJ
	J) Assemble Stock						8/13/90	KS
	K) Assemble Swivel Studs						9/12/90	YJ
	L) Attach Front and Rear Sight Assemblies						8/13/90	KS
	M) Iron Sight Alignment						8/13/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/13/90	KS
	O) Attach Scope to Rifle						8/13/90	KS
	P) Detach & Attach Scope 20 Times						8/13/90	KS
640	Gallery Target & Test						8-14-90	KJ
	A) Time						8-14-90	KJ
	B) Malfunctions						8-14-90	KJ
	C) Pierced Primers						8-14-90	KJ
	D) Optical Clarity of Scope						8-14-90	KJ
645	Inspect for Live Ammo						8-14-90	KJ
655	Final Inspection							
	A) Headspace						9/12/90	YJ
	B) Trigger Pull	2.34	2.36	2.41	2.37	2.31	9-11-90	YJ
	C) Function						9/12/90	YJ
660	Pack						9/19/90	YJ

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522232

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		7/9/90	KJ
600	Proof		7/9/90	KJ
607	Check Headspace		7/9/90	KJ
610	Dis-assemble Gun		7/9/90	KJ
612	Magnaflux Barrel Action		7/17/90	KR
	Magnaflux Bolt		7/17/90	KR
615	Rollmark Caliber		7/17/90	SL
617	Drill and Tap Sight Holes		7/23/90	LB
618	Polish Barrel RB		7/24/90	WB
620	Apply Coatings (Barrel Action)		7-6-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/10/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/10/90	KS
	C) Inspect Ejector Hole for Chamfer		8/10/90	KS
	D) Oil Firing Pin Ass'y		8/10/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		9-11-90	SL