

C6523518

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00110412** Serial: C6523518 Model M24 SWS Center Fire
 Verify Repair Caliber: 7.62 NAT Repairman: Status: New 3/28/2006 10:04:19 AM

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**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition

Problems Estimate History / Status Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
C000	FRT AND REAR SGT	1

Repair Search Refresh Close

logletj 3/28/2006 10:52 AM CAPS NUM INS SERL

start 2 Micr... Part Se... Arms Se... 2 Micr... 2 Inte... Create ... 10:52 AM

Serial Number: **C6523518**

Model: **M24 SWS**



RE00110412

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523518.___0
FILE DATE AND TIME: 04/12/2006 14:32

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

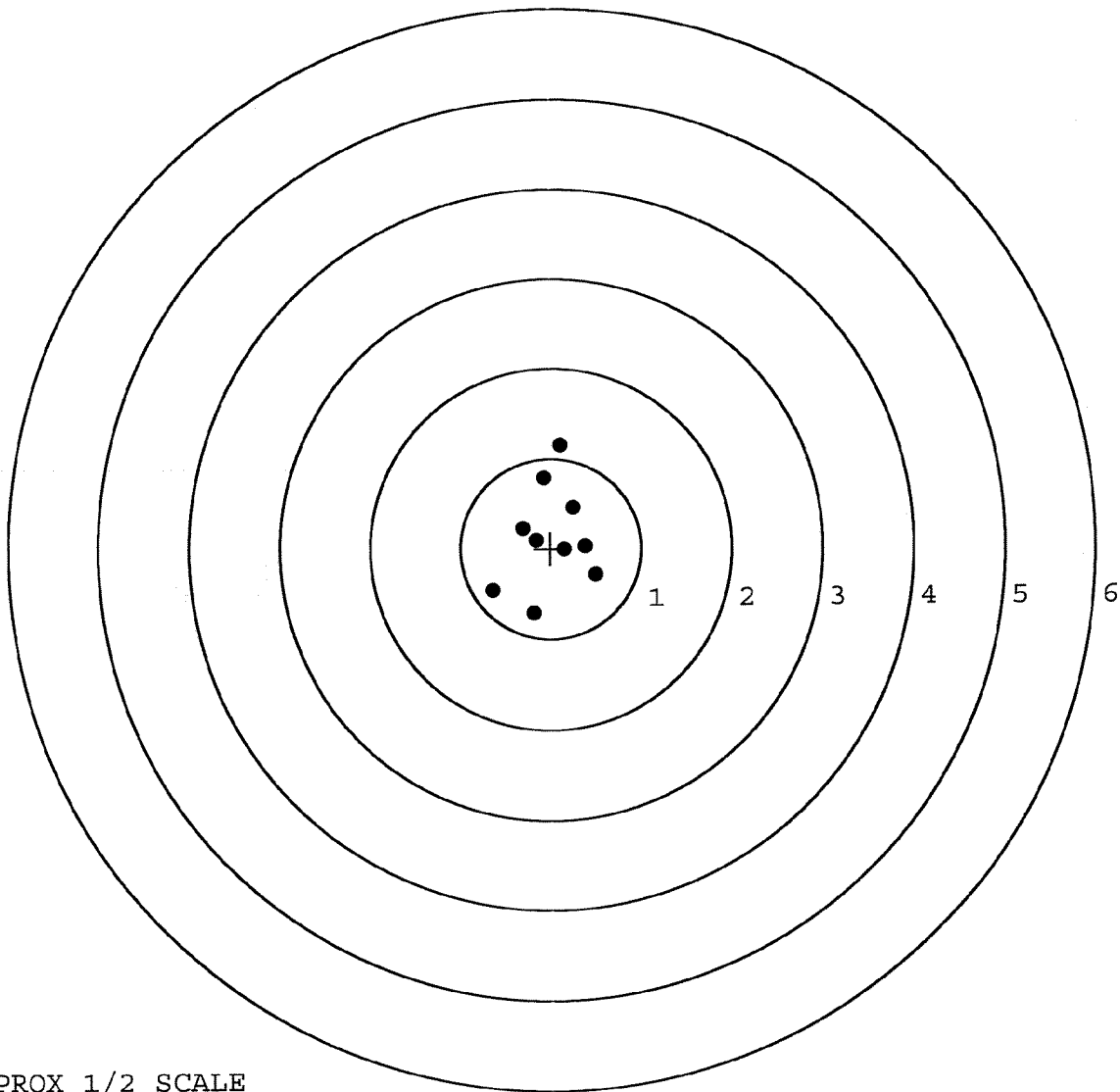
The Average X Centroid of the Five Target Set:	0.109
The Average Y Centroid of the Five Target Set:	0.013
The Average Point of Impact of the Five Target Set:	0.110
The Average Mean Radius of the Five Target Set:	0.680
The Distance from POA to Centroid Target #1:	0.123
The Distance from Centroid Target #2 to Centroid Target #1:	0.166
The Distance from Centroid Target #3 to Centroid Target #1:	0.608
The Distance from Centroid Target #4 to Centroid Target #1:	0.105
The Distance from Centroid Target #5 to Centroid Target #1:	0.135

BARBER - M24 0029523

SERIAL NUMBER: C6523518. __0
 TARGET NUMBER: 1
 FILE DATE: 04/12/2006
 FILE TIME: 14:32

POINT#	X	Y
1:	0.111	1.153
2:	-0.078	0.785
3:	-0.310	0.222
4:	-0.160	0.089
5:	0.252	0.455
6:	0.386	0.023
7:	0.499	-0.295
8:	-0.190	-0.722
9:	-0.646	-0.467
10:	0.148	-0.016

X CENTROID: 0.001
 Y CENTROID: 0.123
 POA TO CENTROID: 0.123
 HORZ SPREAD: 1.145
 VERT SPREAD: 1.875
 GROUP SPREAD: 1.899
 MIN RADIUS: 0.165
 MAX RADIUS: 1.036
 MEAN RADIUS: 0.560
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

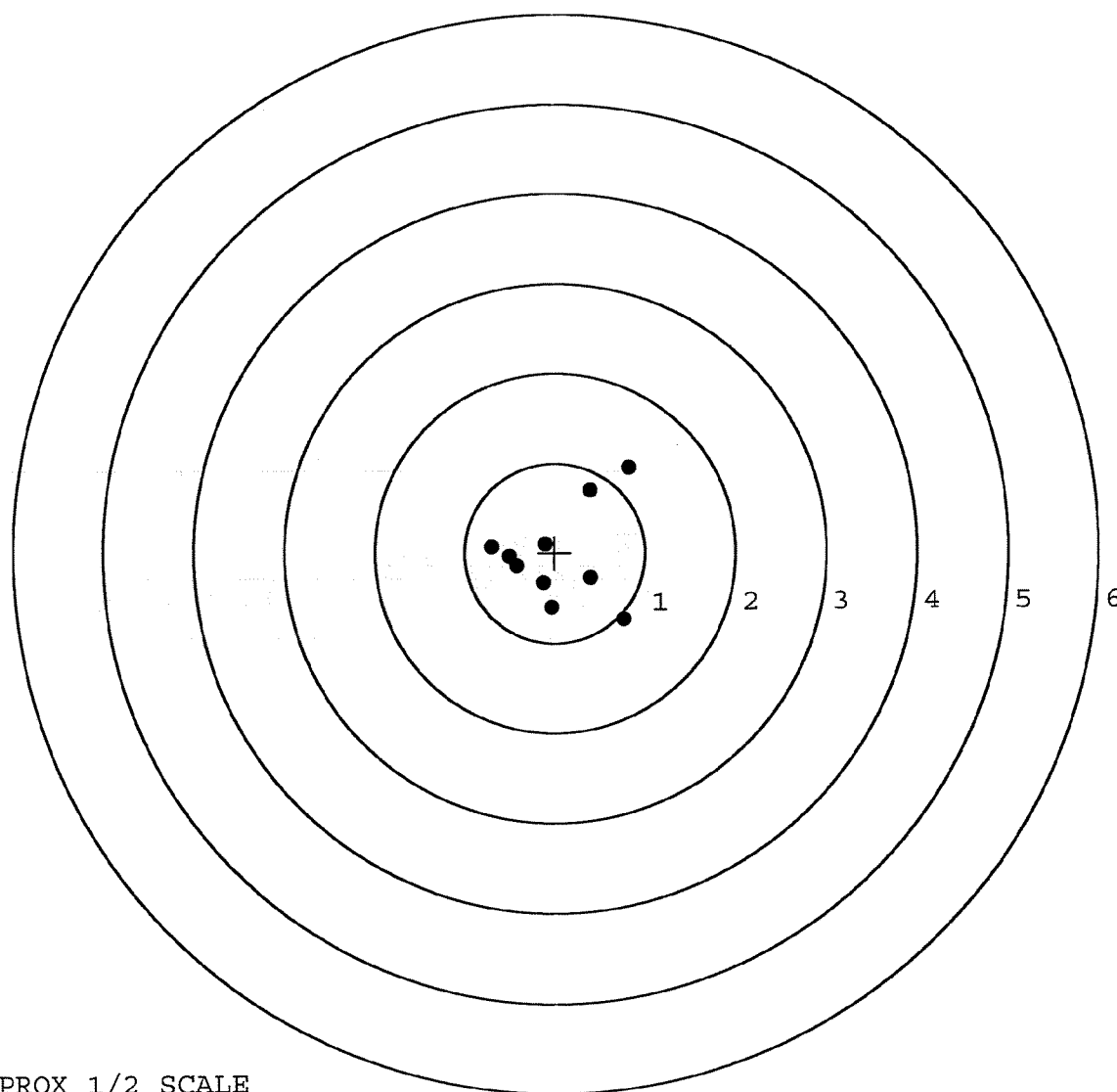


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523518. 0
 TARGET NUMBER: 2
 FILE DATE: 04/12/2006
 FILE TIME: 14:32

POINT#	X	Y
1:	0.397	0.694
2:	0.822	0.950
3:	0.762	-0.742
4:	0.396	-0.283
5:	-0.035	-0.613
6:	-0.132	-0.336
7:	-0.425	-0.153
8:	-0.112	0.097
9:	-0.501	-0.046
10:	-0.700	0.066

X CENTROID: 0.047
 Y CENTROID: -0.037
 POA TO CENTROID: 0.060
 HORZ SPREAD: 1.522
 VERT SPREAD: 1.692
 GROUP SPREAD: 1.783
 MIN RADIUS: 0.208
 MAX RADIUS: 1.254
 MEAN RADIUS: 0.642
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

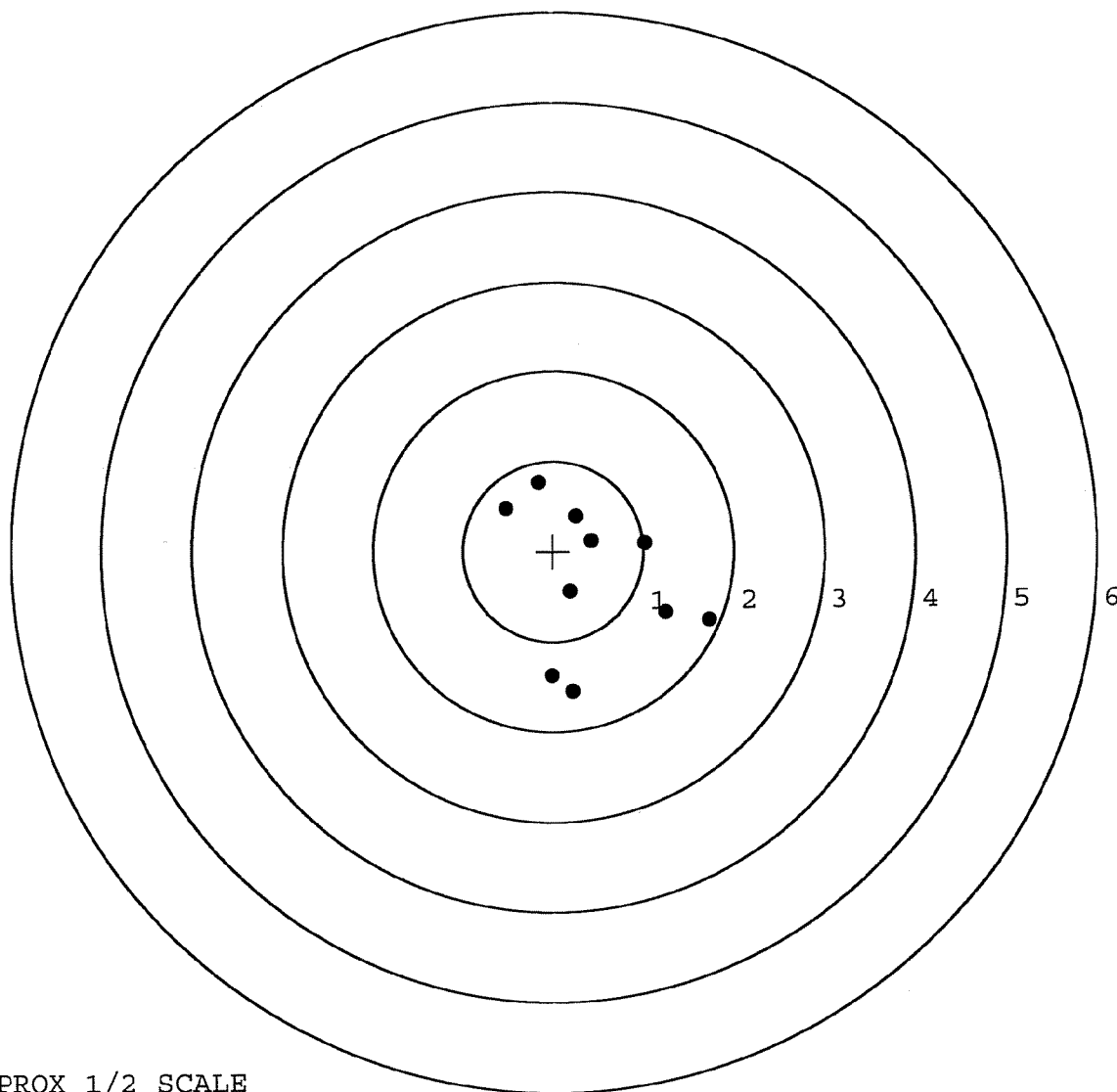


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523518. __0
 TARGET NUMBER: 3
 FILE DATE: 04/12/2006
 FILE TIME: 14:32

POINT#	X	Y
1:	0.255	0.387
2:	0.422	0.115
3:	0.193	-0.447
4:	-0.162	0.764
5:	-0.524	0.480
6:	-0.017	-1.383
7:	0.215	-1.559
8:	1.016	0.087
9:	1.246	-0.686
10:	1.721	-0.771

X CENTROID: 0.437
 Y CENTROID: -0.301
 POA TO CENTROID: 0.530
 HORZ SPREAD: 2.245
 VERT SPREAD: 2.323
 GROUP SPREAD: 2.570
 MIN RADIUS: 0.284
 MAX RADIUS: 1.368
 MEAN RADIUS: 0.928
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 10



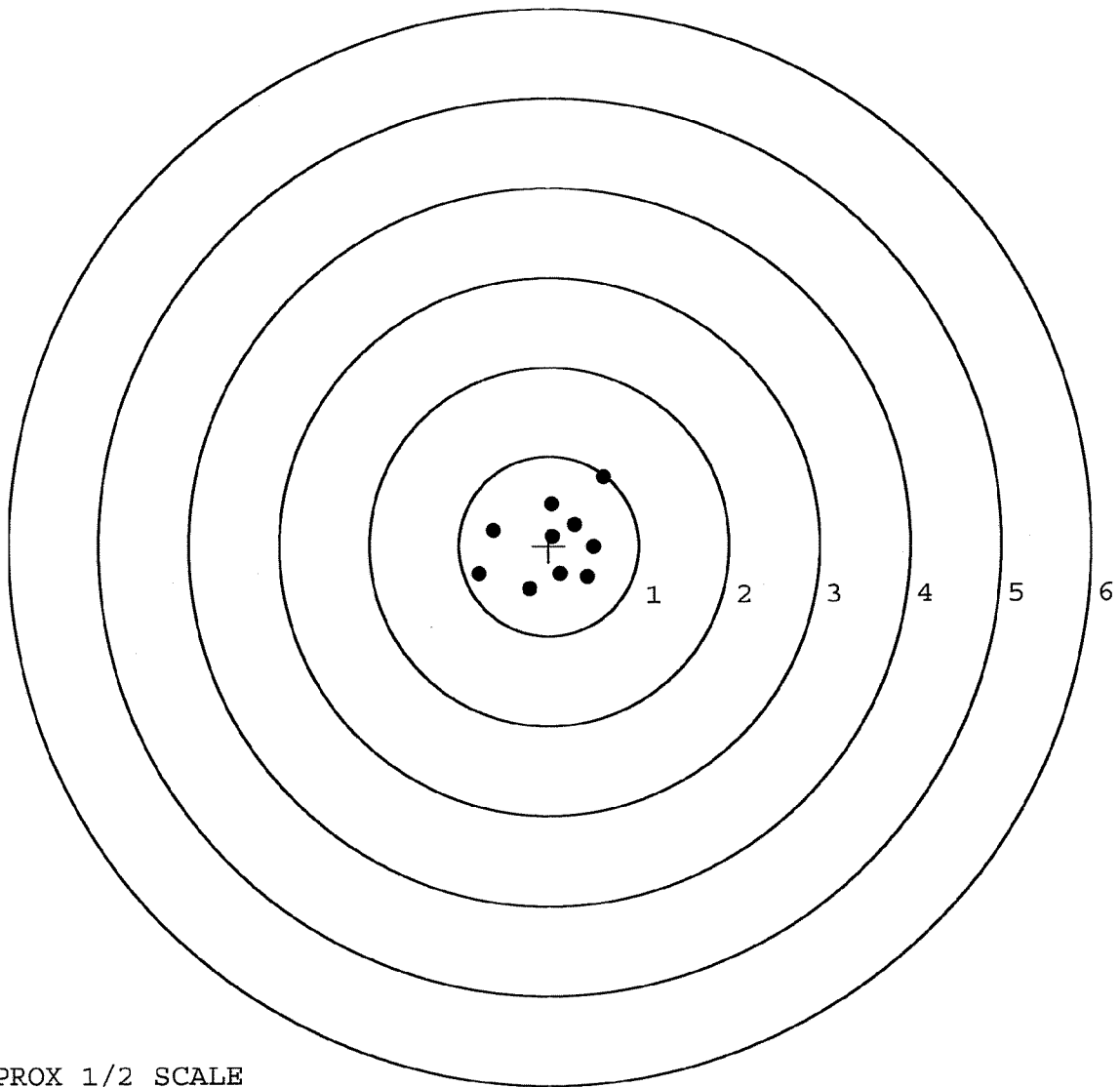
TARGET APPROX 1/2 SCALE

BARBER - M24 0029526

SERIAL NUMBER: C6523518. __0
 TARGET NUMBER: 4
 FILE DATE: 04/12/2006
 FILE TIME: 14:32

POINT#	X	Y
1:	0.612	0.766
2:	0.034	0.463
3:	0.287	0.239
4:	0.499	-0.019
5:	0.429	-0.347
6:	0.133	-0.314
7:	-0.219	-0.481
8:	-0.779	-0.316
9:	-0.619	0.167
10:	0.042	0.101

X CENTROID: 0.042
 Y CENTROID: 0.026
 POA TO CENTROID: 0.049
 HORZ SPREAD: 1.391
 VERT SPREAD: 1.247
 GROUP SPREAD: 1.762
 MIN RADIUS: 0.075
 MAX RADIUS: 0.934
 MEAN RADIUS: 0.526
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

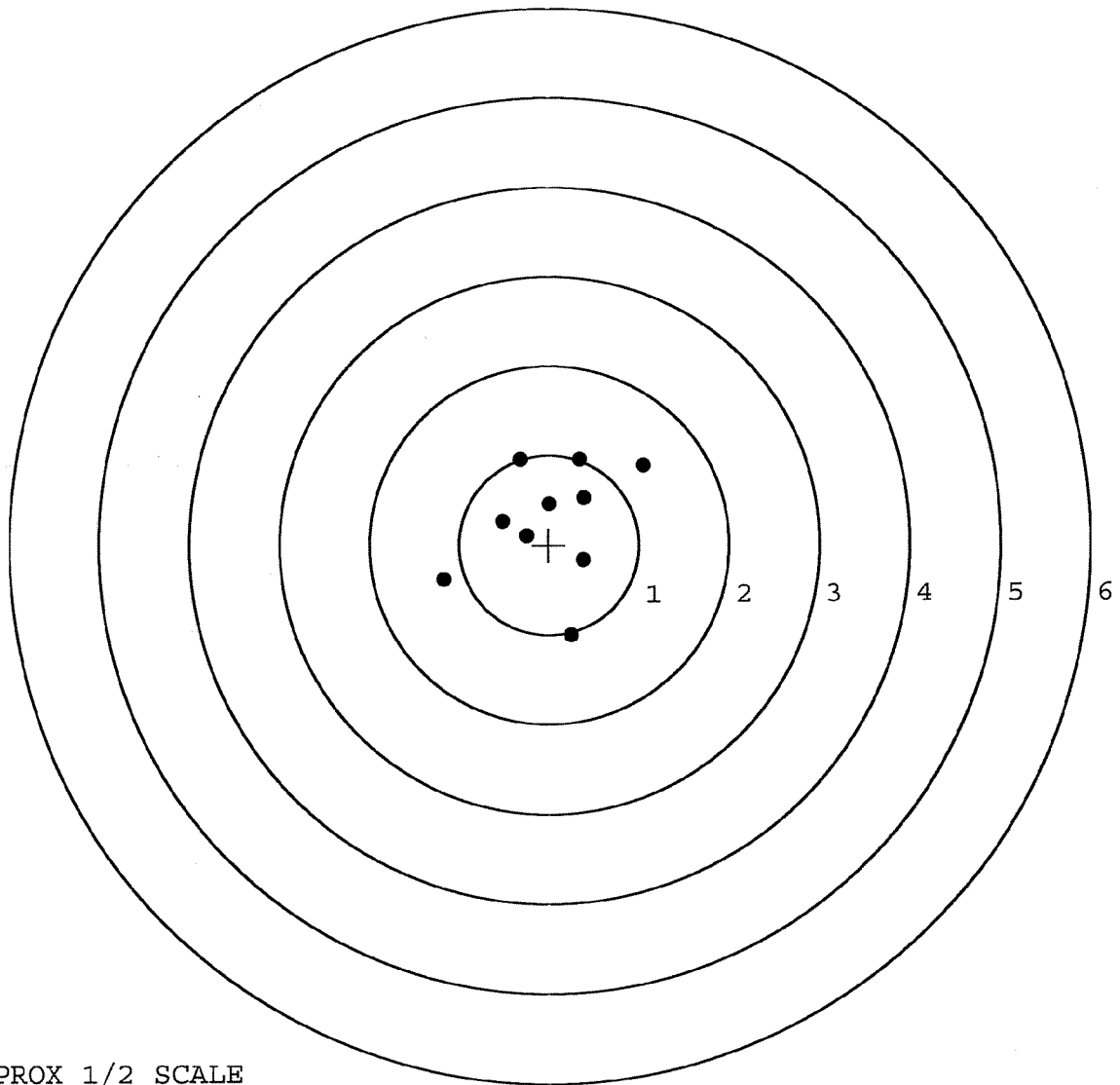


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523518. 0
 TARGET NUMBER: 5
 FILE DATE: 04/12/2006
 FILE TIME: 14:32

POINT#	X	Y
1:	-0.247	0.101
2:	-0.514	0.266
3:	0.008	0.454
4:	0.391	0.523
5:	0.382	-0.173
6:	0.253	-1.007
7:	-1.169	-0.389
8:	-0.319	0.953
9:	0.345	0.952
10:	1.050	0.884

X CENTROID: 0.018
 Y CENTROID: 0.256
 POA TO CENTROID: 0.257
 HORZ SPREAD: 2.219
 VERT SPREAD: 1.960
 GROUP SPREAD: 2.558
 MIN RADIUS: 0.198
 MAX RADIUS: 1.351
 MEAN RADIUS: 0.745
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	110412		
SERIAL NUMBER	C6523518		
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	RTZ
575	ASSEMBLE	4-4-06	RTZ
600	PROOF MAGNA-FLUX INSPECTED	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	UB
620	APPLY COATINGS	4/4/05	UB
625 A	FINAL ASSEMBLY	4-10-06	RTZ
B	TRIGGER PULL TEST	N/A	AC
C	SAFETY "ON" FORCE	4-13-06	AC
D	SAFETY "OFF" FORCE	4-13-06	AC
E	FIRING PIN INDENT	4-13-06	AC
640	TARGET	4-12-06	APD
655	FINAL INSPECT	4-13-06	AC
660	PACK	4/9/06	DA
		SHIP DATE	
		QAR INSPECTION DATE	

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

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

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

MODEL 700™ M24

SERIAL NO. C6523518

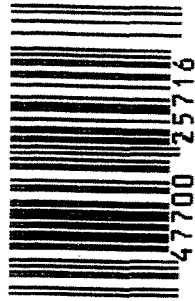
ORDER NO. 5716

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



5716 C6523518

UPC



0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06523518
14 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.0632851
1 TO	2	.117154
1 TO	3	.237118
1 TO	4	.370228
1 TO	5	.386264

§33 (----POA

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1574
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0538
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .166341

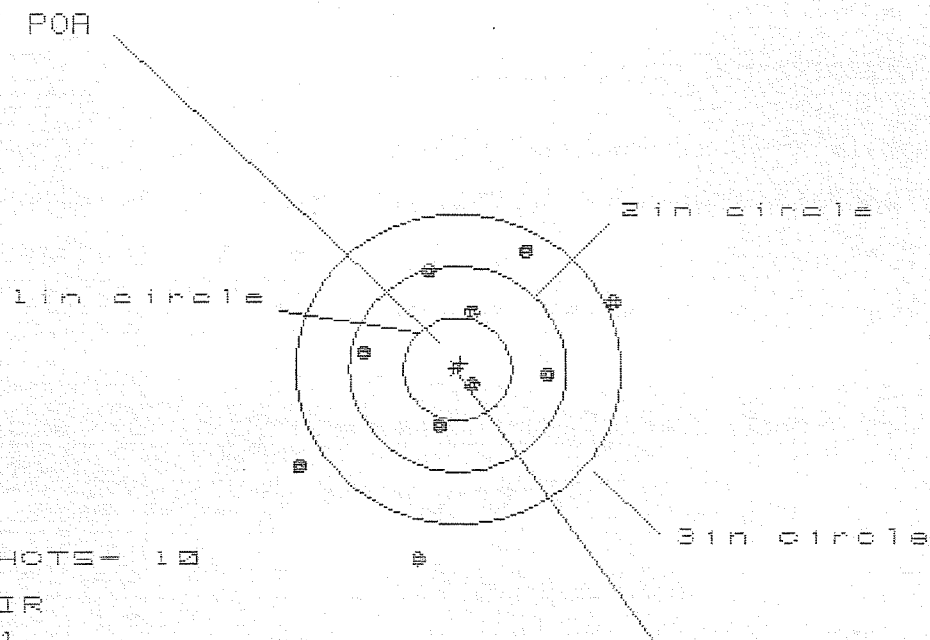
THE AMP FOR THIS RIFLE IS: 1.203

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523518

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS = 2.853

VS = 2.951

GS = 3.252

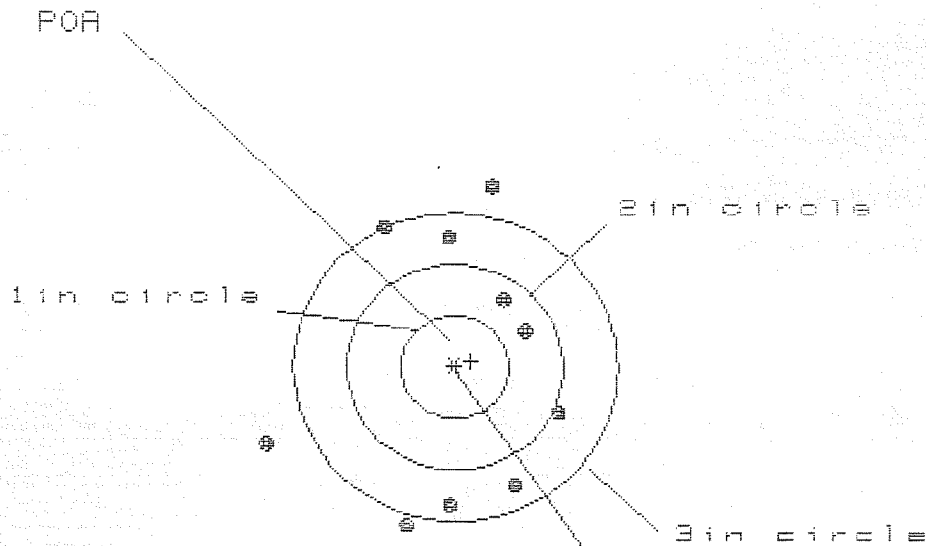
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.389	1.350	1.162
MINIMUM X	-1.464	-1.503	-1.127
MAXIMUM Y	1.144	.943	.805
MINIMUM Y	-1.807	-1.110	-.896
CENTROID X	-.033	.006	.194
CENTROID Y	-.054	.147	.285
POA TO CENTROID in.	.064	.147	.345
MIN RADIUS	.193	.347	.198
MEAN RADIUS	1.048	.943	.803
MAX RADIUS	1.841	1.868	1.203
HORIZONTAL SPREAD	2.853	2.853	2.289
VERTICAL SPREAD	2.951	2.053	1.701
EXTREME SPREAD	3.252	3.252	2.339
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523518

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 2

3 in = 7

HS= 2.712

VS= 3.264

GS= 3.359

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.922	.724	.740
MINIMUM X	-1.790	-.835	-.819
MAXIMUM Y	1.714	1.627	1.453
MINIMUM Y	-1.550	-1.637	-1.434
CENTROID X	-.150	.048	.032
CENTROID Y	-.060	.027	-.176
POA TO CENTROID in.	.162	.055	.179
MIN RADIUS	.719	.504	.647
MEAN RADIUS	1.324	1.207	1.158
MAX RADIUS	1.954	1.768	1.668
HORIZONTAL SPREAD	2.712	1.559	1.559
VERTICAL SPREAD	3.264	3.264	2.887
EXTREME SPREAD	3.359	3.359	2.892
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	2	
NUMBER IN THREE INCH CIRCLE	=	7	

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523518

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 0

2 in = 3

3 in = 8

HS= 2.809

VS= 2.538

CS= 2.988

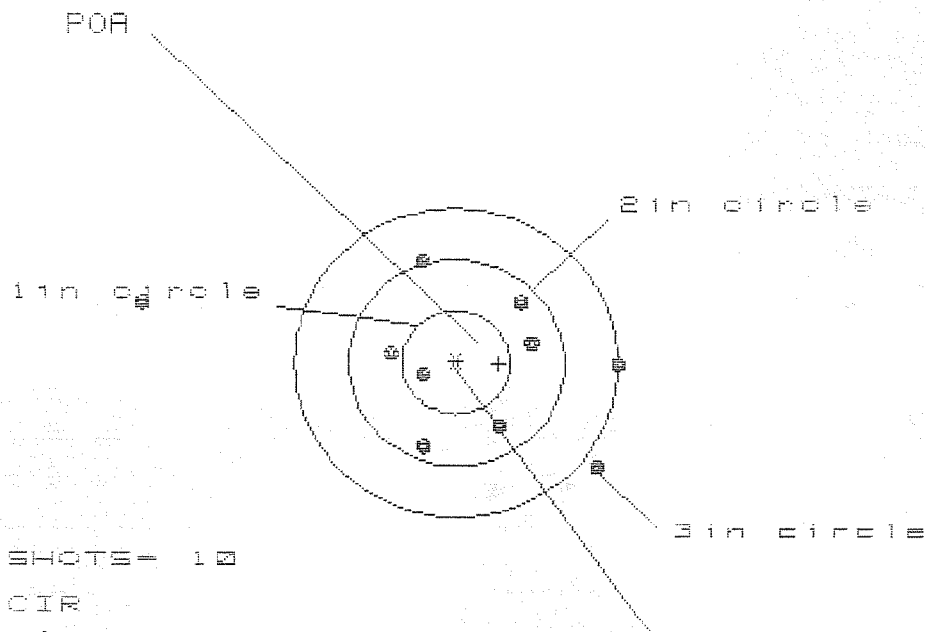
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.506	1.361	1.355
MINIMUM X	:	-1.303	-.939	-.769
MAXIMUM Y	:	1.282	1.148	1.107
MINIMUM Y	:	-1.256	-1.390	-1.431
CENTROID X	:	.199	.344	.174
CENTROID Y	:	-.005	.129	.170
POA TO CENTROID in.	:	.199	.368	.243
MIN RADIUS	:	.701	.512	.624
MEAN RADIUS	:	1.209	1.118	1.062
MAX RADIUS	:	1.776	1.461	1.482
HORIZONTAL SPREAD	:	2.809	2.300	2.124
VERTICAL SPREAD	:	2.538	2.538	2.538
EXTREME SPREAD	:	2.988	2.754	2.754
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523518

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 4.430

VS= 2.069

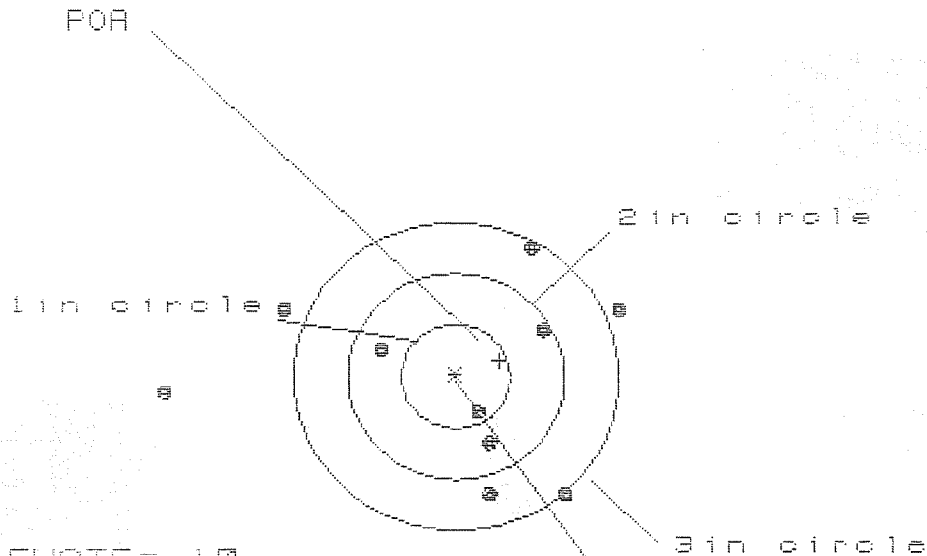
GS= 4.537

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.482	1.155	1.274
MINIMUM X	-2.948	-.934	-.815
MAXIMUM Y	1.036	1.105	.984
MINIMUM Y	-1.033	-.964	-.899
CENTROID X	-.398	-.070	-.189
CENTROID Y	.008	-.061	.060
POA TO CENTROID in.	.398	.093	.198
MIN RADIUS	.325	.467	.515
MEAN RADIUS	1.133	.896	.827
MAX RADIUS	3.012	1.354	1.275
HORIZONTAL SPREAD	4.430	2.089	2.089
VERTICAL SPREAD	2.069	2.069	1.883
EXTREME SPREAD	4.537	2.612	2.090
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523518

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 6

HS= 4.207

VS= 2.415

GS= 4.290

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.498
MINIMUM X	-2.709
MAXIMUM Y	1.283
MINIMUM Y	-1.132
CENTROID X	-.405
CENTROID Y	-.158
FOR TO CENTROID in.	.435
MIN RADIUS	.401
MEAN RADIUS	1.299
MAX RADIUS	2.714
HORIZONTAL SPREAD	4.207
VERTICAL SPREAD	2.415
EXTREME SPREAD	4.290
NUMBER IN ONE INCH CIRCLE	1
NUMBER IN TWO INCH CIRCLE	4
NUMBER IN THREE INCH CIRCLE	6

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6523518

DATE 9/12/90

TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.44	2.44	2.60	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.26	2.56	2.54	2.55	
PULL #3	2.41	2.55	2.53	2.62	
PULL #4	2.50	2.56	2.43	2.53	
PULL #5	2.45	2.51	2.37	2.44	
TOTAL	12.06	12.62	12.31	12.74	
AVG.	2.41	2.52	2.46	2.548	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.02	3.28		
PULL #2	3.07	3.19		
PULL #3	3.12	3.24		
PULL #4	3.11	3.29		
PULL #5	3.12	3.27		
TOTAL	15.44	16.27		
AVG.	3.09	3.25		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.04		3.85
PULL #2	4.00	4.01		3.84
PULL #3	4.02	4.05		3.88
PULL #4	4.07	4.03		3.82
PULL #5	3.95	4.05		3.90
TOTAL	20.18	20.18		19.29
AVG.	4.03	4.03		3.86

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523518

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8-21-90	DB
600	Proof		8-21-90	DB
607	Check Headspace		8-21-90	DB
610	Dis-assemble Gun		8-21-90	DB
612	Magnaflux Barrel Action		8/21/90	KCR
	Magnaflux Bolt		8/21/90	KCR
615	Rollmark Caliber		8/21/90	GS
617	Drill and Tap Sight Holes		8/23/90	LB
618	Polish Barrel RB		8/23/90	WB
620	Apply Coatings (Barrel Action)		8-21-90	TJA
	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		9/12/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			9/12/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			9/12/90	WB
	H) Trigger Pull Test & Retainability						9/12/90	WB
	I) Firing Pin Indent	.0225	.0225	.0225			9/12/90	WB
	J) Assemble Stock						9/12/90	KS
	K) Assemble Swivel Studs						9/15/90	JD
	L) Attach Front and Rear Sight Assemblies						9/12/90	KS
	M) Iron Sight Alignment						9/12/90	KS
	N) Detach Front & Rear Sights & place in numbered container						9/12/90	KS
	O) Attach Scope to Rifle						9/12/90	KS
	P) Detach & Attach Scope 20 Times						9/12/90	KS
640	Gallery Target & Test						9/13/90	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						9/13/90	NF
655	Final Inspection							
	A) Headspace						9/15/90	JD
	B) Trigger Pull	2.60	2.55	2.62	2.53	2.44	9-15-90	JA
	C) Function						9/15/90	JD
660	Pack						9/19/90	NF

MOD.		GA. CAL.	GUN #	ASSEM. #
# TEST	DATE	MALFUNCTION/DEFECT		
	1st	MAG box Tight 4 rds only		KS
	2nd	Adjusted mag Box		KS
	3rd			
	4th			
		FUNCTION		RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		