

C6523531

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*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: RE00143981

Serial: C6523531 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 4/3/2008 7:44:25 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name:

Address 1:

Address 2:

PO Box:

City:

Mc GUIRE AFB

State:

NJ

Zip Code:

08641

Country:

US

Mc GUIRE AFB

State:

NJ

Zip Code:

08641

Country:

US

FPL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A008	With Swivel	3
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

4/3/2008

8:12 AM

NUM



Reset

Serial Number: C6523531

Model: M24 SWS



RE00143981

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER 00143981

SERIAL NUMBER C6523531

LOG-IN DATE 4-3-08

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN			
505	RE-BARREL			
560	ASSEMBLE	MAGNA-FLUX APR 13 2008 OPERATOR <u>unw</u>	4-7-08	TRW
600	PROOF		4-7-08	TRW
605	CHECK HEADSPACE		4-7-08	TRW
610	DIS-ASSEMBLE GUN		4-8-08	TRW
612	MAGNAFLUX		4/9/08	unw
510	DRILL AND TAP		4/9/08	FM
615	ROLLMARK CALIBER		4-9-08	CW
618	ROTO-BLAST		4-9-08	DG
620	APPLY COATINGS		4-11-08	CM
625	FINAL ASSEMBLY		4-15-08	RT
640	FUNCTION TEST AND	<u>PASS</u> FAIL	4-16-08	TRW
650	TARGET	<u>PASS</u> FAIL	4-16-08	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	4-16-08	RP
670	FINAL INSPECTION			
	A) HEADSPACE	<u>PASS</u> FAIL	4-17-08	TRW
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.83 2.68 2.71 2.66 2.65 4-17-08	TRW
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5.5 5.5 5.25 4-17-08	TRW
	G) SAFETY OFF FORCE	2 LBS MAX	2.5 2.5 2.5 4-17-08	TRW
	I) FIRING PIN INDENT	.020	.0235 .0235 .023 4-17-08	TRW
690	PACK		10/17/08	FM

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523531.___0
FILE DATE AND TIME: 04/16/2008 14:22

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.050
The Average Y Centroid of the Five Target Set:	-0.144
The Average Point of Impact of the Five Target Set:	0.153
The Average Mean Radius of the Five Target Set:	0.888
The Distance from POA to Centroid Target #1:	0.467
The Distance from Centroid Target #2 to Centroid Target #1:	0.383
The Distance from Centroid Target #3 to Centroid Target #1:	0.617
The Distance from Centroid Target #4 to Centroid Target #1:	0.361
The Distance from Centroid Target #5 to Centroid Target #1:	0.284

SERIAL NUMBER: C6523531. __0

TARGET NUMBER: 1

FILE DATE: 04/16/2008

FILE TIME: 14:22

POINT#	X	Y
1:	0.710	-1.152
2:	0.325	-0.612
3:	0.285	-0.185
4:	-0.875	0.211
5:	-0.494	0.713
6:	-0.789	0.815
7:	0.052	1.210
8:	1.408	-1.080
9:	0.483	-2.010
10:	-0.061	-2.460

X CENTROID: 0.104

Y CENTROID: -0.455

POA TO CENTROID: 0.467

HORZ SPREAD: 2.283

VERT SPREAD: 3.670

GROUP SPREAD: 3.672

MIN RADIUS: 0.271

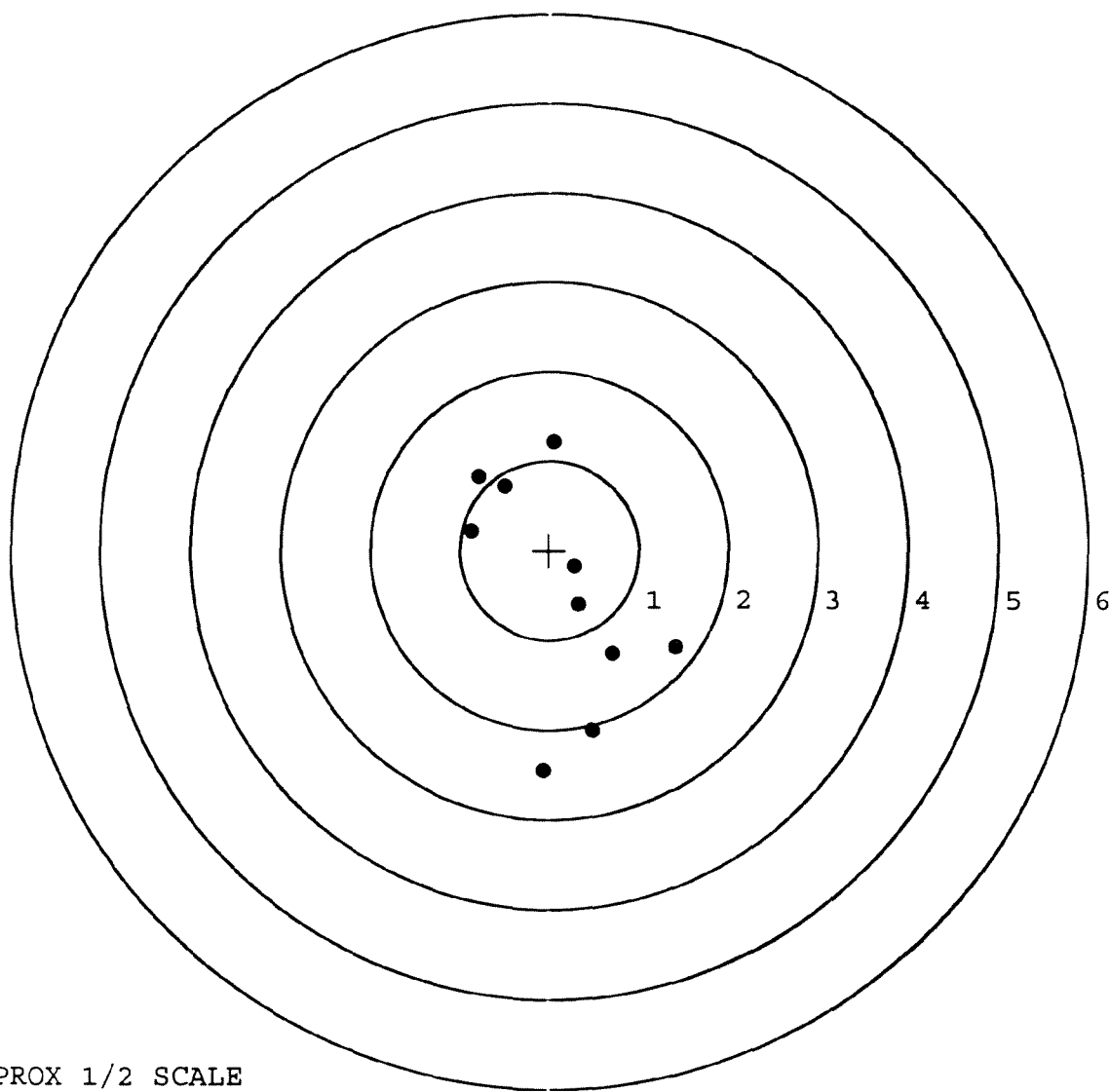
MAX RADIUS: 2.012

MEAN RADIUS: 1.229

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 3

in 3 IN DIAMETER: 6



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523531. 0

TARGET NUMBER: 2

FILE DATE: 04/16/2008

FILE TIME: 14:22

POINT#	X	Y
--------	---	---

1:	0.898	-1.296
----	-------	--------

2:	0.164	-1.346
----	-------	--------

3:	-0.181	-0.678
----	--------	--------

4:	0.085	-0.421
----	-------	--------

5:	0.466	-0.142
----	-------	--------

6:	0.412	0.079
----	-------	-------

7:	0.467	0.296
----	-------	-------

8:	0.034	0.472
----	-------	-------

9:	-0.361	0.277
----	--------	-------

10:	-0.293	1.980
-----	--------	-------

X CENTROID: 0.169

Y CENTROID: -0.078

POA TO CENTROID: 0.186

HORZ SPREAD: 1.259

VERT SPREAD: 3.326

GROUP SPREAD: 3.486

MIN RADIUS: 0.289

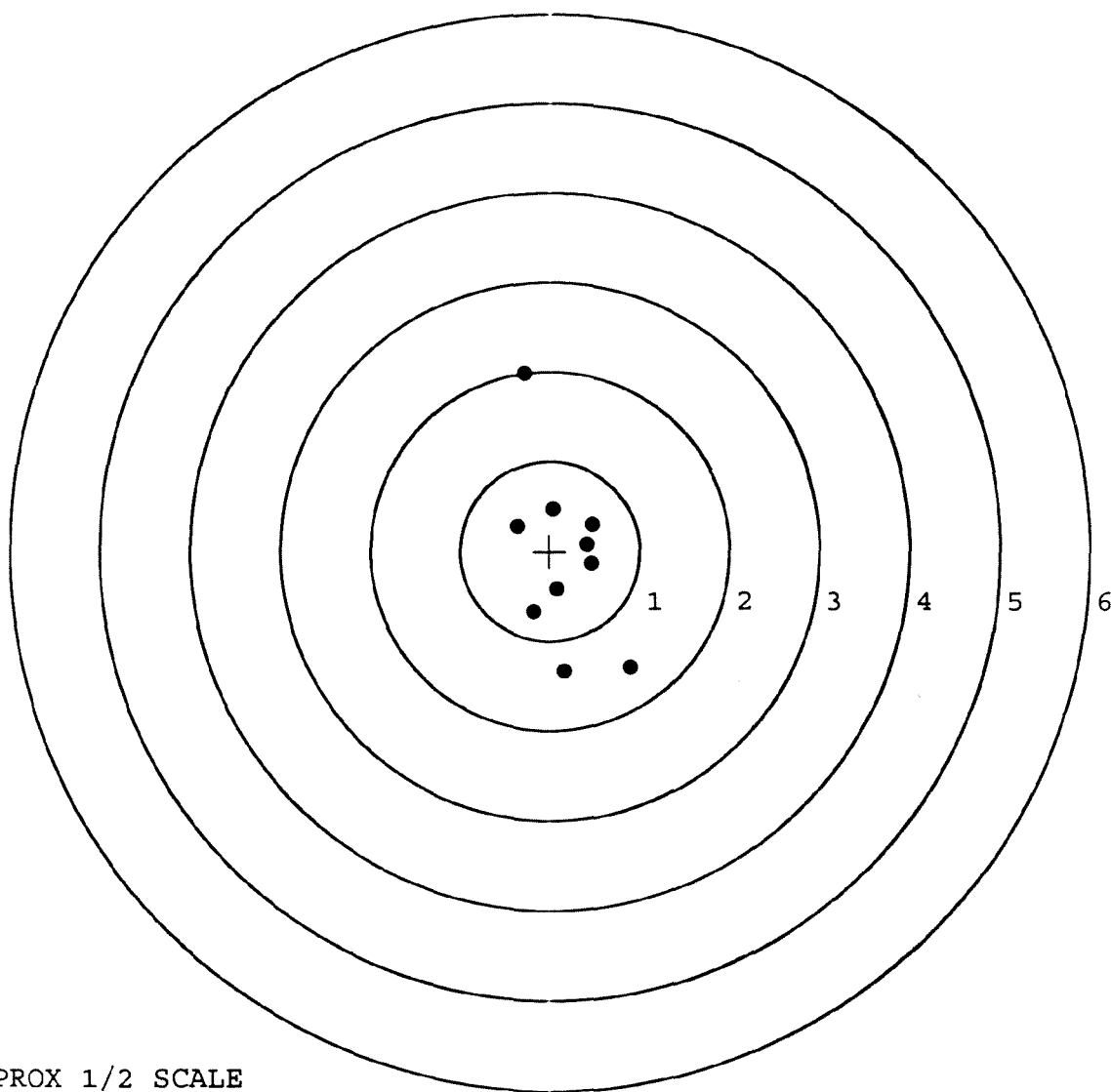
MAX RADIUS: 2.109

MEAN RADIUS: 0.812

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523531. 0

TARGET NUMBER: 3

FILE DATE: 04/16/2008

FILE TIME: 14:22

POINT#	X	Y
--------	---	---

1:	0.891	0.649
----	-------	-------

2:	0.515	0.873
----	-------	-------

3:	-0.043	0.681
----	--------	-------

4:	-0.368	0.487
----	--------	-------

5:	-1.065	0.336
----	--------	-------

6:	-0.026	0.189
----	--------	-------

7:	0.035	-0.063
----	-------	--------

8:	0.250	-0.388
----	-------	--------

9:	0.654	-0.143
----	-------	--------

10:	-0.096	-1.004
-----	--------	--------

X CENTROID: 0.075

Y CENTROID: 0.162

POA TO CENTROID: 0.178

HORZ SPREAD: 1.956

VERT SPREAD: 1.877

GROUP SPREAD: 1.974

MIN RADIUS: 0.104

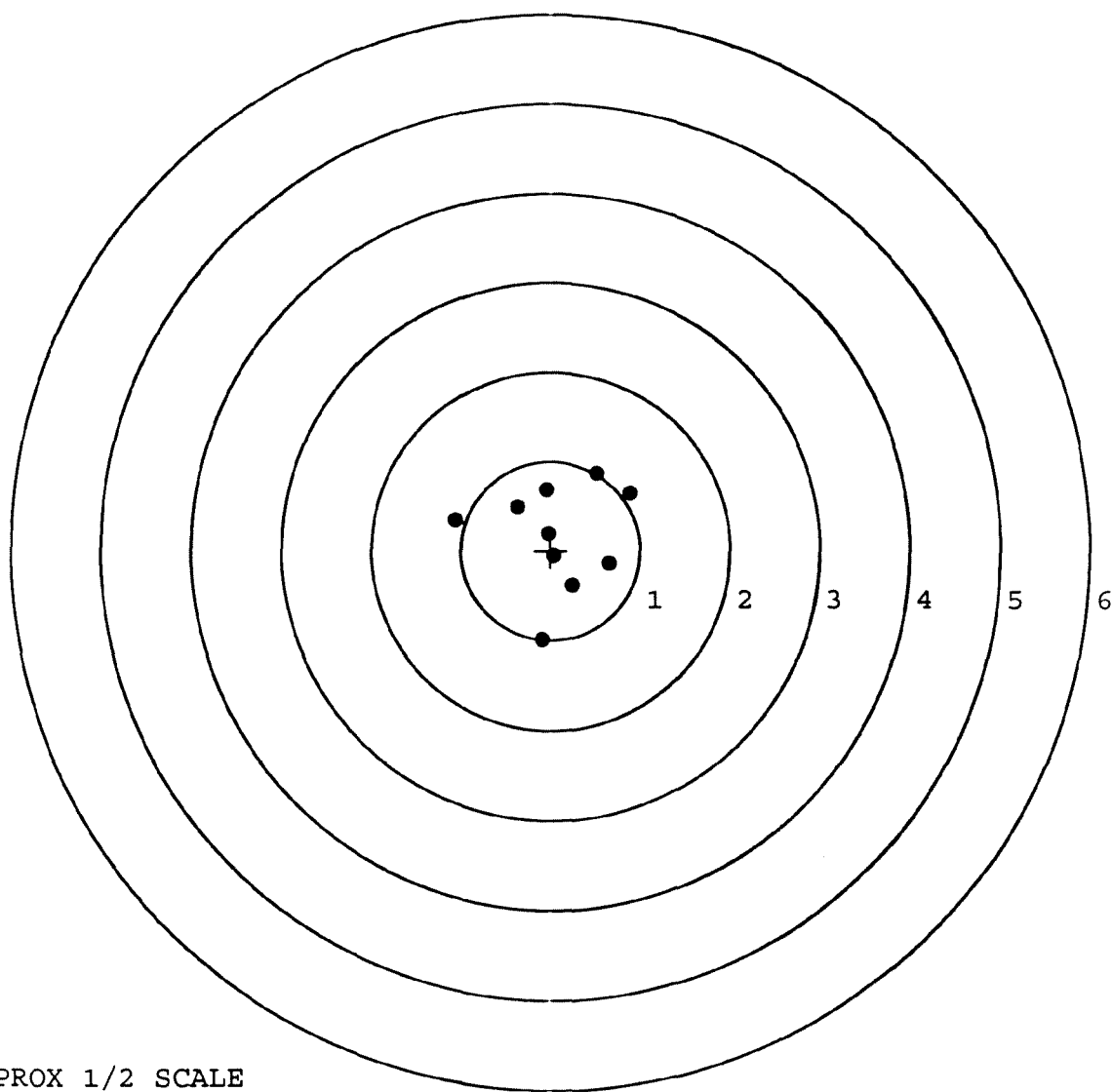
MAX RADIUS: 1.178

MEAN RADIUS: 0.676

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

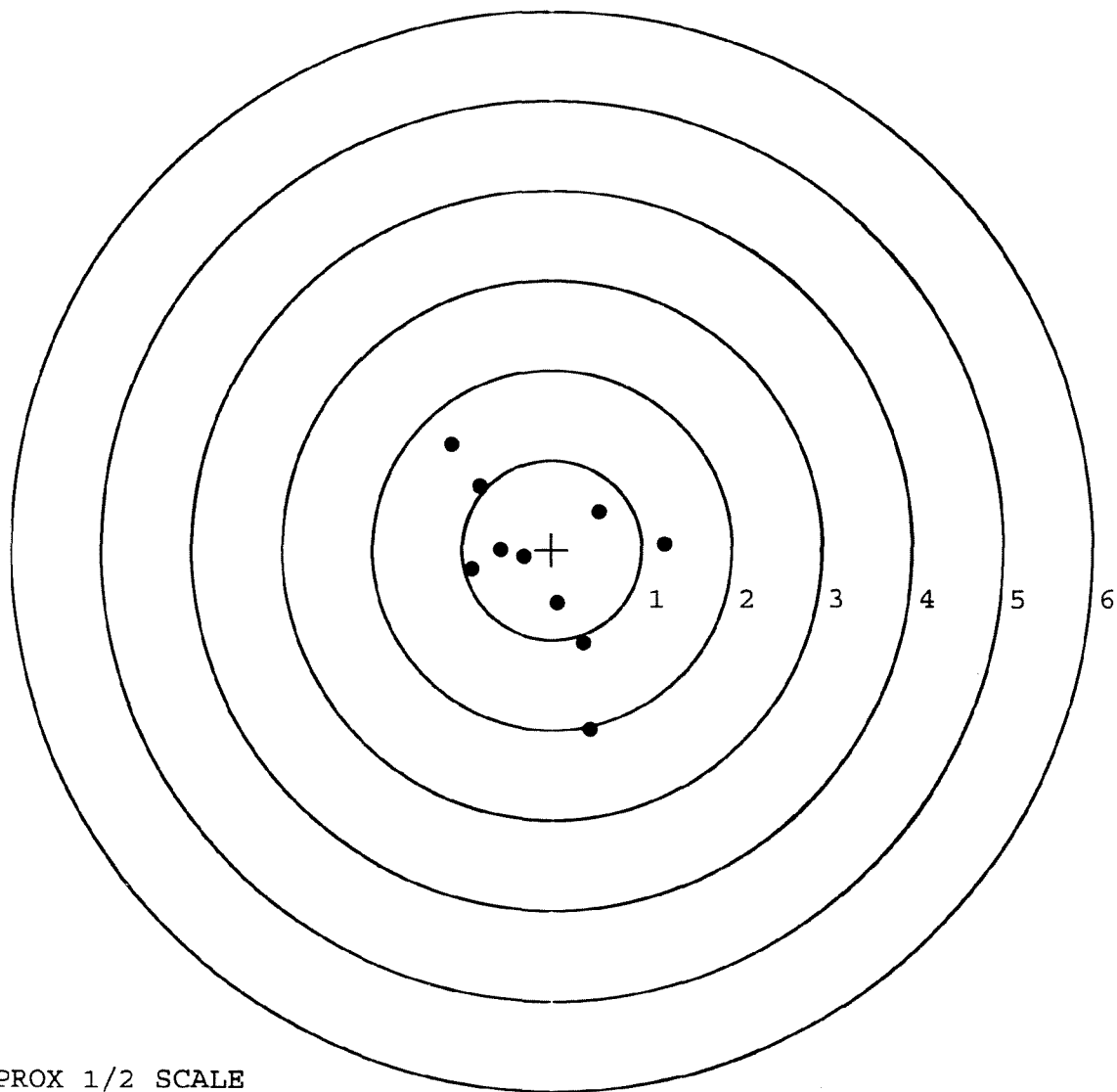


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523531.___0
TARGET NUMBER: 4
FILE DATE: 04/16/2008
FILE TIME: 14:22

POINT#	X	Y
1:	0.352	-1.041
2:	0.062	-0.599
3:	1.247	0.059
4:	0.524	0.422
5:	-0.312	-0.086
6:	-0.570	-0.018
7:	-0.888	-0.230
8:	-0.801	0.700
9:	-1.115	1.169
10:	0.432	-2.001

X CENTROID: -0.107
Y CENTROID: -0.162
POA TO CENTROID: 0.195
HORZ SPREAD: 2.362
VERT SPREAD: 3.170
GROUP SPREAD: 3.527
MIN RADIUS: 0.219
MAX RADIUS: 1.916
MEAN RADIUS: 0.987
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523531. __0

TARGET NUMBER: 5

FILE DATE: 04/16/2008

FILE TIME: 14:22

POINT#	X	Y
1:	-0.853	0.617
2:	-0.392	0.650
3:	-0.391	0.165
4:	-0.203	0.300
5:	0.473	0.170
6:	0.555	-0.678
7:	0.459	-0.538
8:	0.274	-0.391
9:	-0.241	-0.496
10:	0.413	-1.671

X CENTROID: 0.009

Y CENTROID: -0.187

POA TO CENTROID: 0.187

HORZ SPREAD: 1.408

VERT SPREAD: 2.321

GROUP SPREAD: 2.615

MIN RADIUS: 0.334

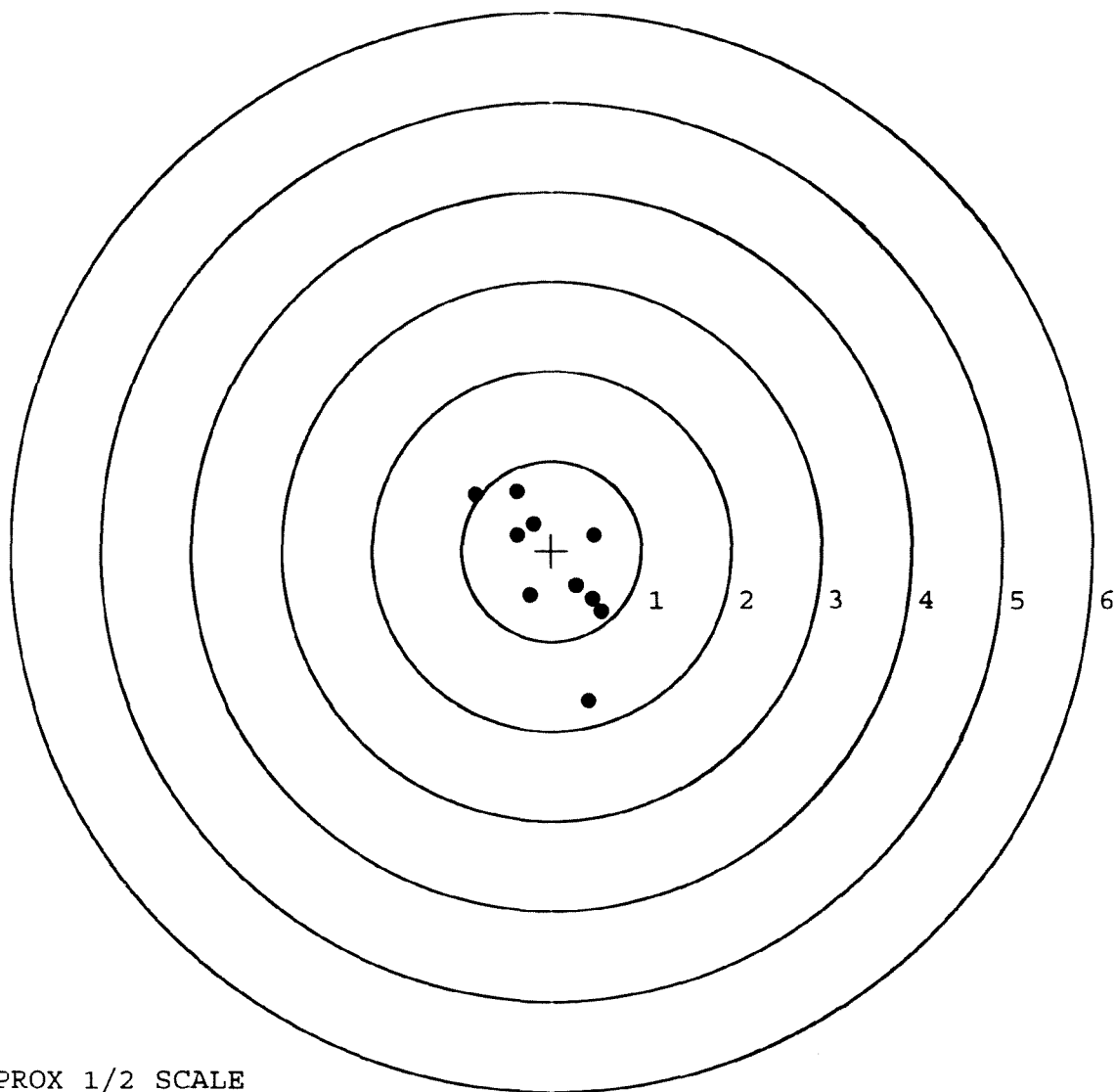
MAX RADIUS: 1.538

MEAN RADIUS: 0.733

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

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

MODEL 700™ H24

SERIAL NO.
 C6523531

ORDER NO.
 5716

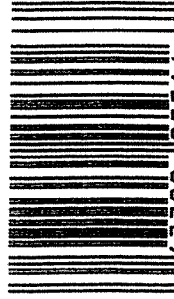
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6523531

UPC



0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523531
14 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.396693
1 TO	2	.451119
1 TO	3	.427552
1 TO	4	.470647
1 TO	5	.996127

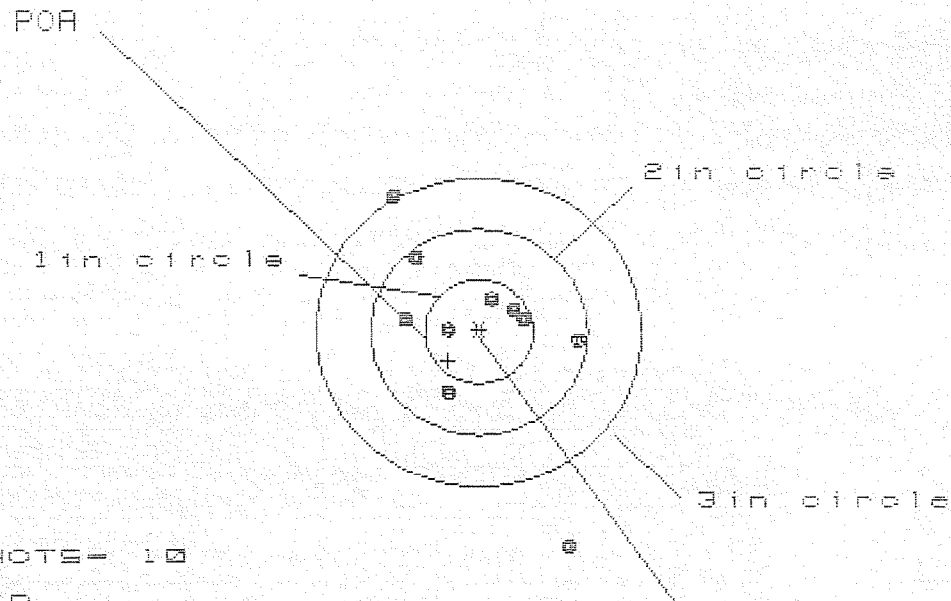
5 $\bar{x}$ ¹³ <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .143
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0494
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .151292
THE AMR FOR THIS RIFLE IS: .8626

14 Sep 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C8523531

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 4

2in = 8

3in = 9

HS = 1.689

VS = 3.331

GS = 3.658

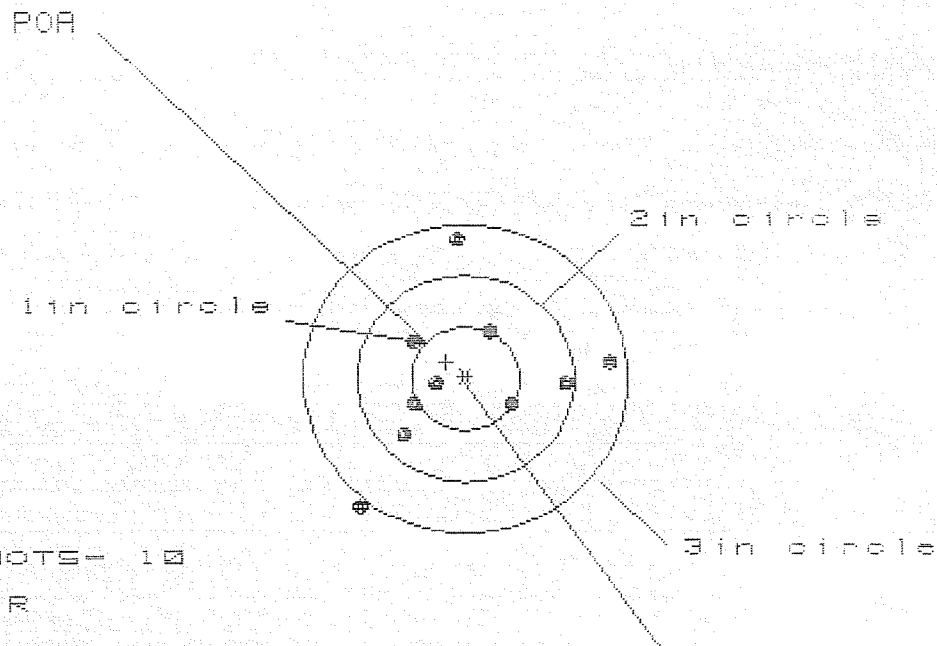
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.946	1.031	.949
MINIMUM X	:	-.743	-.658	-.643
MAXIMUM Y	:	1.284	1.057	.624
MINIMUM Y	:	-2.047	-.829	-.697
CENTROID X	:	.282	.197	.279
CENTROID Y	:	.279	.506	.374
POA TO CENTROID in.	:	.397	.543	.467
MIN RADIUS	:	.251	.226	.257
MEAN RADIUS	:	.829	.654	.564
MAX RADIUS	:	2.186	1.245	.968
HORIZONTAL SPREAD	:	1.689	1.689	1.592
VERTICAL SPREAD	:	3.331	1.886	1.321
EXTREME SPREAD	:	3.658	2.182	1.742
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

14 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523531

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS= 2.307

VS= 2.587

GS= 2.751

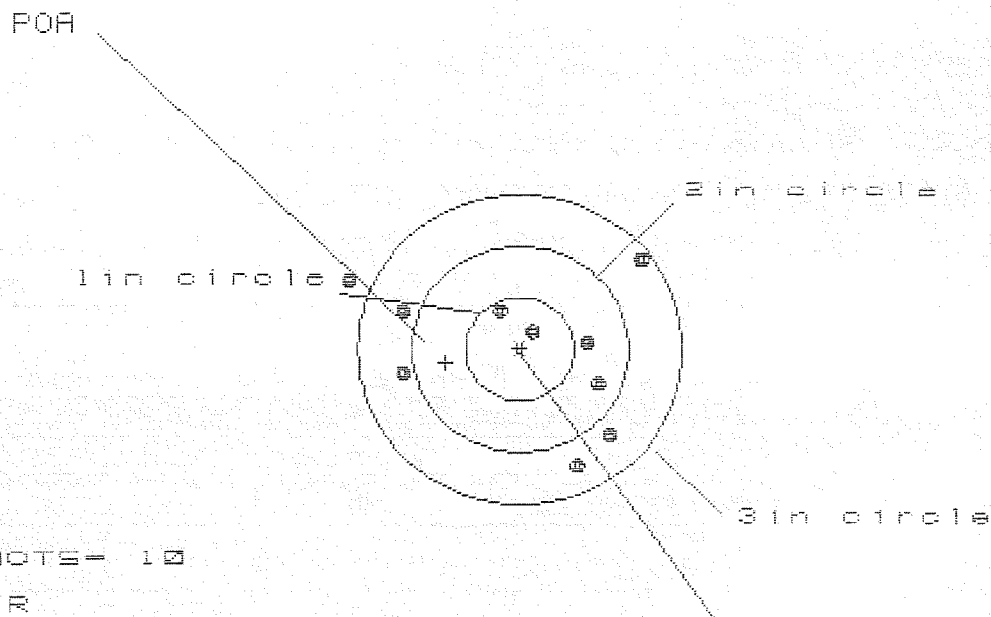
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.290	1.177	1.153
MINIMUM X	:	-1.017	-.648	-.672
MAXIMUM Y	:	1.381	1.247	.488
MINIMUM Y	:	-1.206	-.632	-.477
CENTROID X	:	.174	.287	.311
CENTROID Y	:	-.159	-.025	-.180
POA TO CENTROID in.	:	.236	.288	.360
MIN RADIUS	:	.307	.340	.380
MEAN RADIUS	:	.836	.758	.683
MAX RADIUS	:	1.578	1.262	1.163
HORIZONTAL SPREAD	:	2.307	1.825	1.825
VERTICAL SPREAD	:	2.587	1.879	.965
EXTREME SPREAD	:	2.751	1.933	1.932
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

14 Sep 1938

FILE:/PATTERNING/CENTERFIRE_PATT/C8523531

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 9

HS= 2.666

VS= 2.015

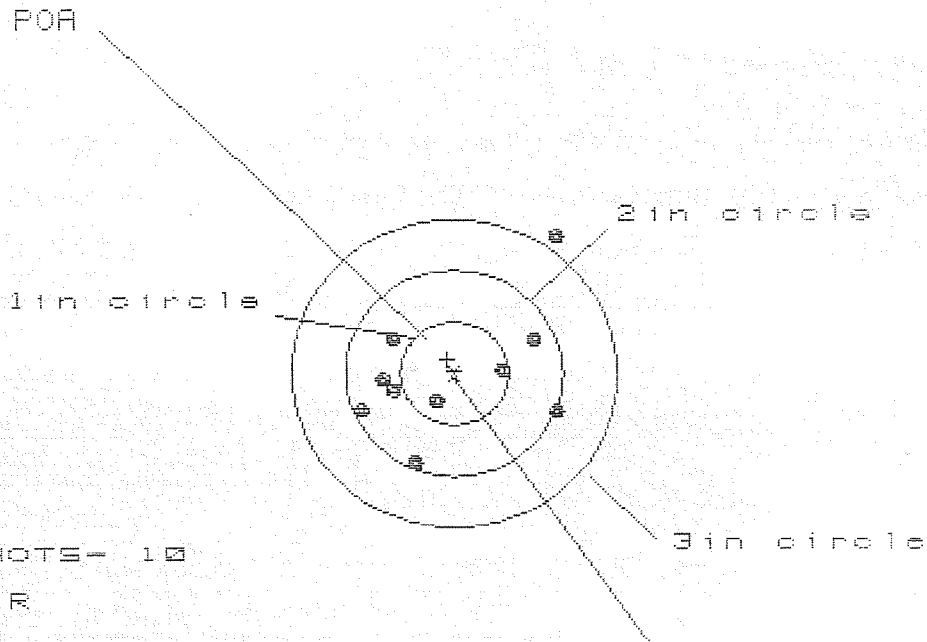
GS= 2.785

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.125	.954	.802
MINIMUM X	:	-1.541	-1.291	-1.172
MAXIMUM Y	:	.890	.959	.544
MINIMUM Y	:	-1.125	-1.056	-.936
CENTROID X	:	.682	.853	.734
CENTROID Y	:	.128	.059	-.061
POA TO CENTROID in.	:	.694	.855	.737
MIN RADIUS	:	.207	.273	.380
MEAN RADIUS	:	.984	.893	.850
MAX RADIUS	:	1.662	1.352	1.245
HORIZONTAL SPREAD	:	2.666	2.245	1.974
VERTICAL SPREAD	:	2.015	2.015	1.480
EXTREME SPREAD	:	2.785	2.517	2.242
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

14 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523531

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 3

3in = 5

HS= 1.804

VS= 2.199

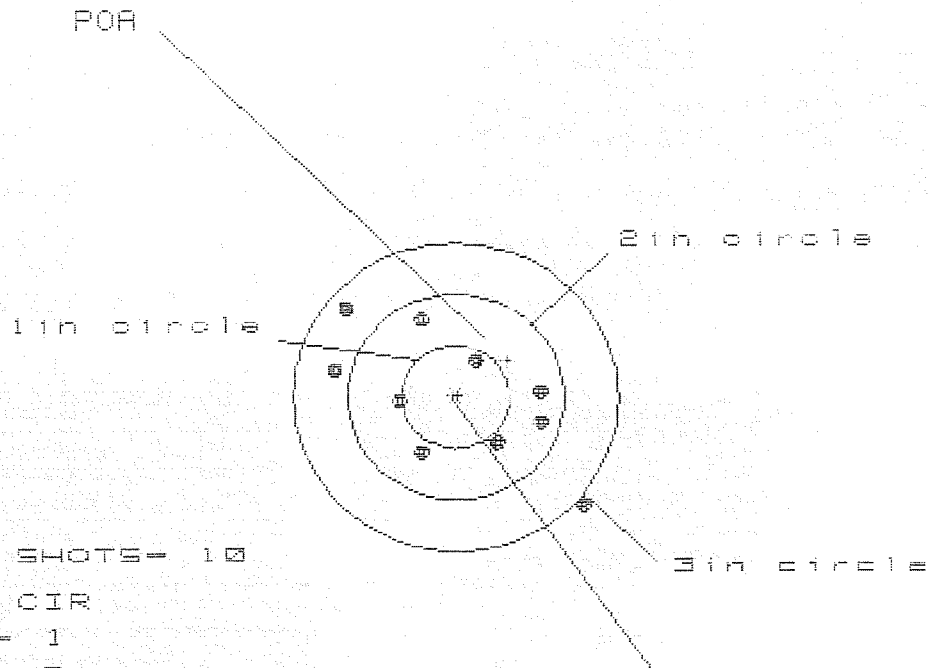
GS= 2.558

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.983	1.051	.935
MINIMUM X	-.821	-.712	-.588
MAXIMUM Y	1.326	.527	.505
MINIMUM Y	-.873	-.726	-.748
CENTROID X	.060	-.049	-.181
CENTROID Y	-.136	-.283	-.261
POA TO CENTROID in.	.148	.288	.317
MIN RADIUS	.363	.180	.179
MEAN RADIUS	.796	.661	.578
MAX RADIUS	1.651	1.067	1.062
HORIZONTAL SPREAD	1.804	1.763	1.515
VERTICAL SPREAD	2.199	1.253	1.253
EXTREME SPREAD	2.558	1.763	1.671
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		9	

14 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523531

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 1

2in = 7

3in = 2

HS = 2.307

VS = 1.927

ES = 2.932

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.204	.958	.849
MINIMUM X	:	-1.103	-.969	-1.079
MAXIMUM Y	:	.900	.786	.725
MINIMUM Y	:	-1.027	-.679	-.580
CENTROID X	:	-.483	-.617	-.507
CENTROID Y	:	-.359	-.245	-.344
POA TO CENTROID in.	:	.602	.664	.613
MIN RADIUS	:	.430	.407	.425
MEAN RADIUS	:	.868	.780	.719
MAX RADIUS	:	1.582	1.175	1.116
HORIZONTAL SPREAD	:	2.307	1.927	1.927
VERTICAL SPREAD	:	1.927	1.465	1.305
EXTREME SPREAD	:	2.932	2.161	2.005
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

SWS TRIGGER PULL TEST

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

SERIAL NO. C6523531
DATE 9/11/90
TESTER WLB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.31	2.34	2.56	2.28	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.36	2.31	2.59	2.44	
PULL #3	2.52	2.20	2.54	2.50	
PULL #4	2.44	2.20	2.46	2.19	
PULL #5	2.30	2.29	2.46	2.14	
TOTAL	11.93	11.34	12.61	11.55	
AVG.	2.38	2.27	2.52	2.31	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.11	3.01		
PULL #2	3.01	3.00		
PULL #3	3.06	3.07		
PULL #4	3.07	2.95		
PULL #5	3.08	2.97		
TOTAL	15.33	15.00		
AVG.	3.07	3.00		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.16	4.14		4.06
PULL #2	4.01	4.09		3.98
PULL #3	4.17	4.05		4.12
PULL #4	4.08	4.06		4.00
PULL #5	4.13	4.02		4.05
TOTAL	20.55	20.36		20.21
AVG.	4.11	4.07		4.04

CAD-TEC

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523531

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/20/90	DB
600	Proof		8/20/90	DB
607	Check Headspace		8/20/90	DB
610	Dis-assemble Gun		8/20/90	DB
612	Magnaflux Barrel Action	8/23/90 MRL	8/23/90	KCR
	Magnaflux Bolt		8/21/90	KCR
615	Rollmark Caliber		8/21/90	GB
617	Drill and Tap Sight Holes		8/23/90	FB
618	Polish Barrel RIB		8/23/90	WB
620	Apply Coatings (Barrel Action)		8/20/90	FB
	Apply Coating (Bolt)		8/20/90	FB
625	Final Assembly A) Clean inside of Bolt Assembly		8/31/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/31/90	RW
	C) Inspect Ejector Hole for Chamfer		8/31/90	RW
	D) Oil Firing Pin Ass'y		8/31/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/11/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			9/4/90	WB
	G) Safety Off Force	2	2	2			9/4/90	WB
	H) Trigger Pull Test & Retainability						9/4/90	WB
	I) Firing Pin Indent	.0225	.023	.03			9/4/90	WB
	J) Assemble Stock						9/13/90	RW
	K) Assemble Swivel Studs						9/15/90	JS
	L) Attach Front and Rear Sight Assemblies						9/13/90	RW
	M) Iron Sight Alignment						9/13/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/13/90	RW
	O) Attach Scope to Rifle						9/13/90	RW
	P) Detach & Attach Scope 20 Times						9/13/90	RW
640	Gallery Target & Test						9-14-90	AC
	A) Time						9-14-90	AC
	B) Malfunctions						9-14-90	AC
	C) Pierced Primers						9-14-90	AC
	D) Optical Clarity of Scope						9-14-90	AC
645	Inspect for Live Ammo						9-14-90	AC
655	Final Inspection							
	A) Headspace						9/15/90	JS
	B) Trigger Pull	2.28	2.44	2.50	2.19	2.14	9-15-90	JS
	C) Function						9/15/90	JS
660	Pack						9/19/90	RF