

06523522

MODEL 700TM M24

Model **SMS** TM

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: **RE00113035** Serial: C6523522 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 5/31/2006 10:20:21 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: C CO SPT BN SWTG (A) POC JERRY SCREEN C CO SPT BN SWTG (A) POC JERRY SCREEN

Address 1: ARMAMENT FACILITY BLDG D-1307 ARMAMENT FACILITY BLDG D-1307

Address 2: GRUBER ROAD PO Box: GRUBER ROAD PO Box:

City: FORT BRAGG FORT BRAGG

State: NC Zip Code: 28310 Country: US State: NC Zip Code: 28310 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search Refresh Close

inaglej 5/31/2006 10:47 AM CAPS NUM INS SERL

start 2 Microso... 2 Microso... 3 Interne... Arms Servic... Part Search... 10:47 AM

Serial Number: **C6523522**

Model: **M24 SWS**



RE00113035

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 6-12-06

TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.59	2.57		2.56	
PULL #2	2.59	2.60		2.47	
PULL #3	2.47	2.57		2.53	
PULL #4	2.47	2.60		2.47	
PULL #5	2.45	2.61		2.48	
TOTAL	12.57	12.95		12.51	
AVERAGE	2.51	2.59		2.50	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.06	3.14		
PULL #2	3.05	2.96		
PULL #3	3.20	2.95		
PULL #4	3.23	3.20		
PULL #5	3.16	2.96		
TOTAL	15.70	15.21		
AVERAGE	3.14	3.04		

	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	4.03	4.22		4.22
PULL #2	4.02	4.14		4.16
PULL #3	4.16	4.02		4.09
PULL #4	4.11	4.18		4.11
PULL #5	3.99	4.01		4.18
TOTAL	20.31	20.57		20.75
AVERAGE	4.06	4.11		4.15

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523522.___0
FILE DATE AND TIME: 07/14/2006 08:20

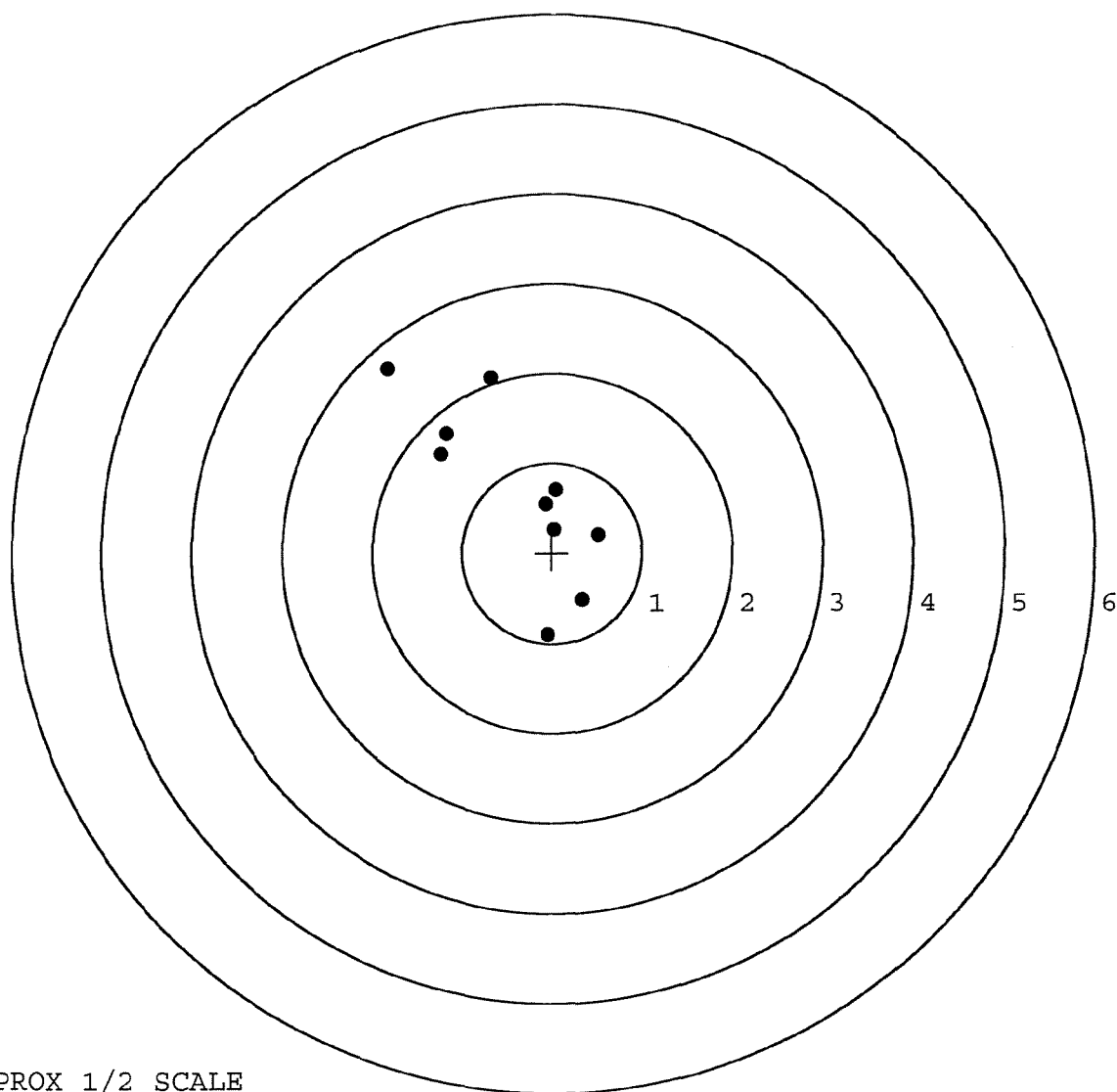
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.083
The Average Y Centroid of the Five Target Set:	0.057
The Average Point of Impact of the Five Target Set:	0.100
The Average Mean Radius of the Five Target Set:	0.700
The Distance from POA to Centroid Target #1:	0.786
The Distance from Centroid Target #2 to Centroid Target #1:	0.827
The Distance from Centroid Target #3 to Centroid Target #1:	1.116
The Distance from Centroid Target #4 to Centroid Target #1:	0.716
The Distance from Centroid Target #5 to Centroid Target #1:	0.836

SERIAL NUMBER: C6523522. __0
TARGET NUMBER: 1
FILE DATE: 07/14/2006
FILE TIME: 08:20

POINT#	X	Y
1:	-0.048	-0.908
2:	0.339	-0.516
3:	0.513	0.206
4:	0.031	0.259
5:	-0.075	0.540
6:	0.046	0.698
7:	-1.236	1.092
8:	-1.180	1.316
9:	-0.689	1.951
10:	-1.837	2.044

X CENTROID: -0.414
Y CENTROID: 0.668
POA TO CENTROID: 0.786
HORZ SPREAD: 2.350
VERT SPREAD: 2.952
GROUP SPREAD: 3.452
MIN RADIUS: 0.362
MAX RADIUS: 1.980
MEAN RADIUS: 1.070
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 8



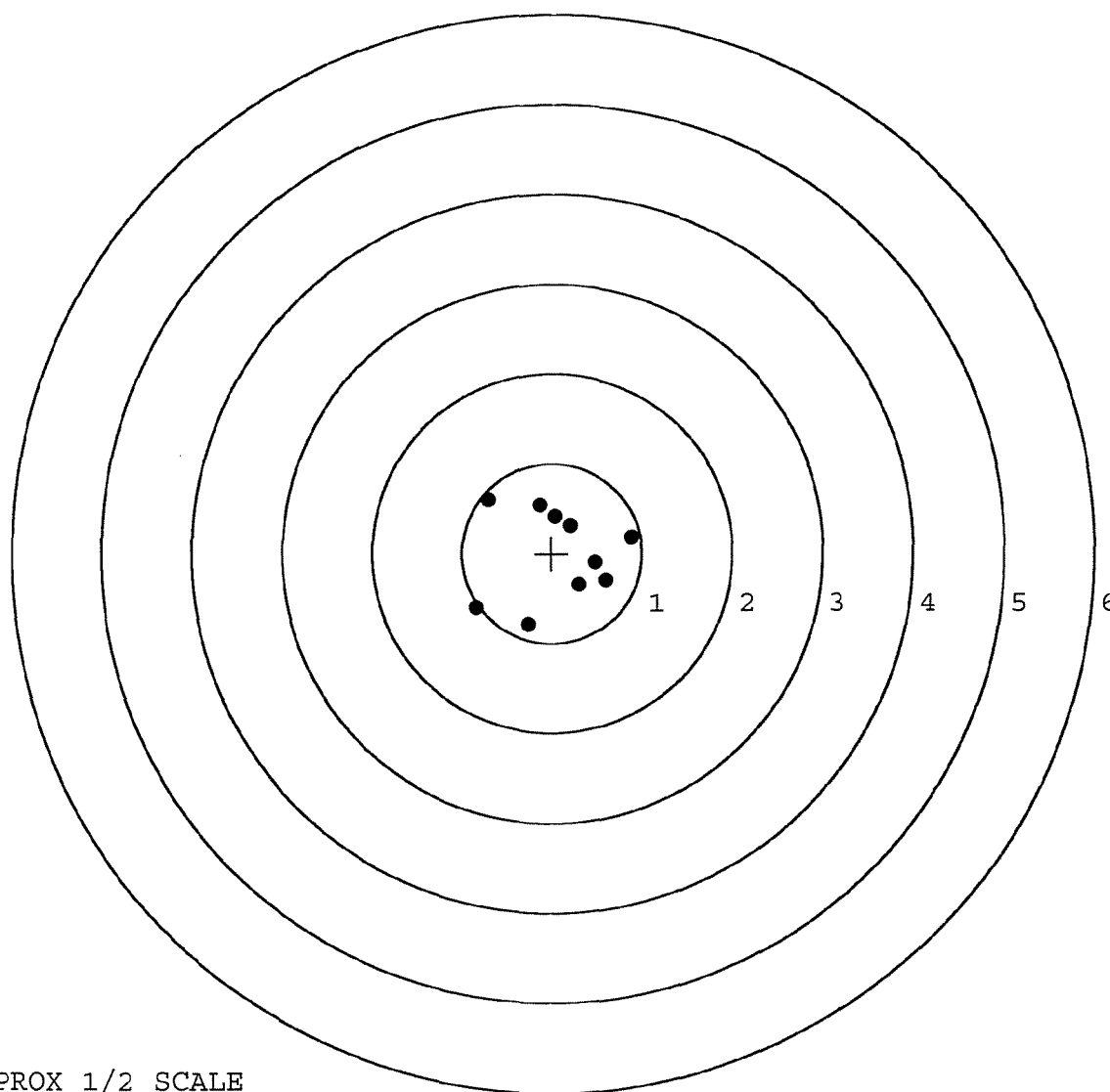
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523522.___0
TARGET NUMBER: 2
FILE DATE: 07/14/2006
FILE TIME: 08:20

X CENTROID: 0.056
Y CENTROID: -0.013
POA TO CENTROID: 0.057
HORZ SPREAD: 1.728
VERT SPREAD: 1.388
GROUP SPREAD: 1.900
MIN RADIUS: 0.352
MAX RADIUS: 1.078
MEAN RADIUS: 0.657

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.885	0.182
2:	0.480	-0.102
3:	0.603	-0.297
4:	0.301	-0.349
5:	-0.259	-0.797
6:	-0.843	-0.608
7:	0.203	0.307
8:	-0.139	0.535
9:	0.034	0.410
10:	-0.710	0.591

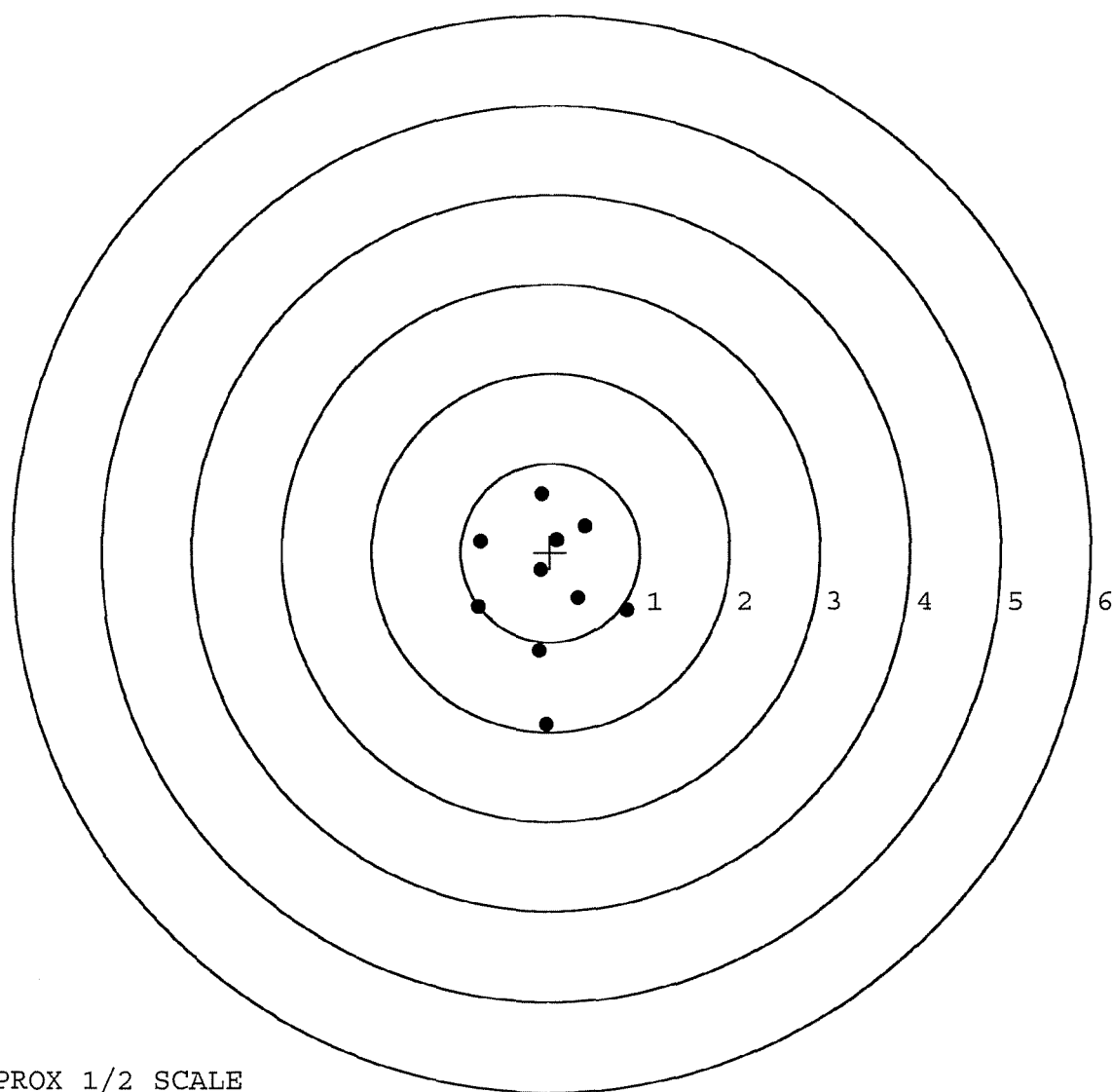


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523522. __0
TARGET NUMBER: 3
FILE DATE: 07/14/2006
FILE TIME: 08:20

X CENTROID: -0.033
Y CENTROID: -0.381
POA TO CENTROID: 0.382
HORZ SPREAD: 1.659
VERT SPREAD: 2.576
GROUP SPREAD: 2.577
MIN RADIUS: 0.197
MAX RADIUS: 1.539
MEAN RADIUS: 0.782
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.858	-0.652
2:	-0.037	-1.920
3:	-0.125	-1.103
4:	0.309	-0.515
5:	-0.801	-0.616
6:	-0.778	0.115
7:	-0.103	0.656
8:	0.383	0.291
9:	-0.111	-0.200
10:	0.074	0.138

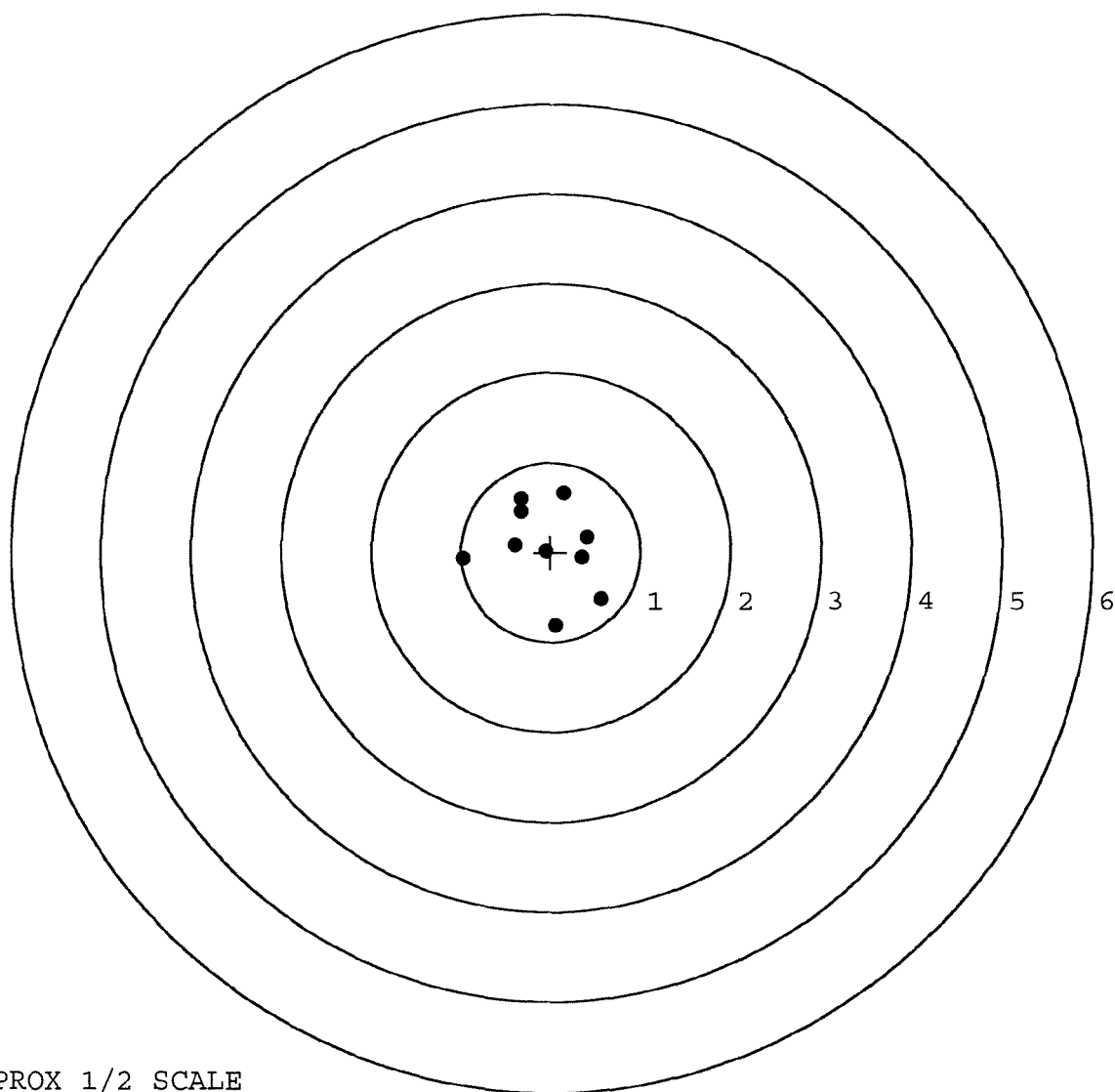


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523522.___0
TARGET NUMBER: 4
FILE DATE: 07/14/2006
FILE TIME: 08:20

X CENTROID: -0.057
Y CENTROID: 0.048
POA TO CENTROID: 0.074
HORZ SPREAD: 1.538
VERT SPREAD: 1.485
GROUP SPREAD: 1.602
MIN RADIUS: 0.030
MAX RADIUS: 0.928
MEAN RADIUS: 0.568
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.563	-0.532
2:	0.061	-0.821
3:	0.401	0.168
4:	0.350	-0.063
5:	-0.050	0.019
6:	-0.399	0.078
7:	-0.975	-0.085
8:	-0.332	0.454
9:	-0.332	0.599
10:	0.147	0.664

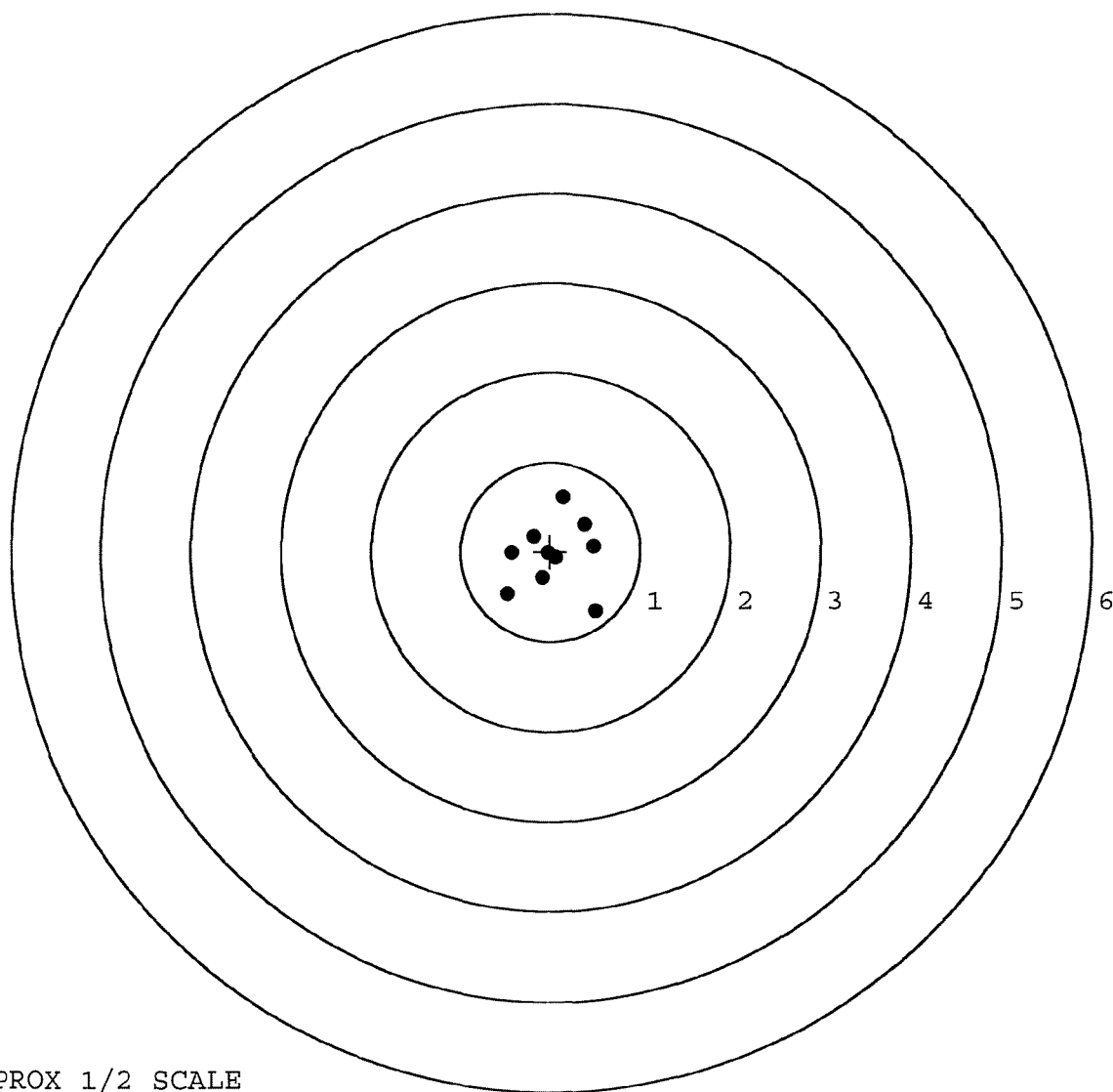


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523522._0
TARGET NUMBER: 5
FILE DATE: 07/14/2006
FILE TIME: 08:20

X CENTROID: 0.035
Y CENTROID: -0.038
POA TO CENTROID: 0.052
HORZ SPREAD: 0.979
VERT SPREAD: 1.273
GROUP SPREAD: 1.322
MIN RADIUS: 0.045
MAX RADIUS: 0.778
MEAN RADIUS: 0.423
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.500	-0.662
2:	-0.479	-0.474
3:	0.485	0.063
4:	0.374	0.310
5:	0.144	0.611
6:	-0.024	-0.014
7:	0.063	-0.073
8:	-0.092	-0.295
9:	-0.433	-0.015
10:	-0.187	0.172



TARGET APPROX 1/2 SCALE

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

		<i>Fort Bragg</i>	
R & E NUMBER	<i>113035</i>		
SERIAL NUMBER	<i>C6523522</i>		
LOG-IN DATE	<i>5-31-06</i>		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	<i>6-20-06</i>	<i>AC</i>
505	RE-BARREL	<i>6-21-06</i>	<i>AC</i>
560	ASSEMBLE	<i>6-22-06</i>	<i>AC</i>
600	PROOF	<i>6-22-06</i>	<i>AC</i>
605	CHECK HEADSPACE	<i>6-22-06</i>	<i>AC</i>
610	DIS-ASSEMBLE GUN	<i>6-22-06</i>	<i>AC</i>
612	MAGNAFLUX	<i>6-27-06</i>	<i>DPD</i>
510	DRILL AND TAP	<i>6-26-06</i>	<i>TRW</i>
615	ROLLMARK CALIBER	<i>6-27-06</i>	<i>CLW</i>
618	ROTO-BLAST	<i>6-29-06</i>	<i>LB</i>
620	APPLY COATINGS	<i>7/6</i>	<i>HP</i>
625	FINAL ASSEMBLY	<i>7-12-06</i>	<i>AC</i>
640	FUNCTION TEST AND	<i>(PASS)</i> FAIL	<i>7-14-06</i> <i>TRW</i>
650	TARGET	<i>(PASS)</i> FAIL	<i>7-14-06</i> <i>TRW</i>
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	<i>N/A</i>
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	<i>7-14-06</i>	<i>BD</i>
	A) HEADSPACE	<i>(PASS)</i> FAIL	<i>7-17-06</i> <i>AC</i>
	B) TRIGGER PULL	<i>+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS</i>	<i>2.34 2.64 2.64 2.56 2.67 7-17-06</i> <i>RA</i>
680	F) SAFETY ON FORCE	<i>2 LBS MIN 10 LBS MAX</i>	<i>5.0 5.0 4.5 7-17-06</i> <i>RA</i>
	G) SAFETY OFF FORCE	<i>2 LBS MIN</i>	<i>3.0 3.0 3.0 7-17-06</i> <i>RA</i>
	I) FIRING PIN INDENT	<i>.020</i>	<i>.022 .022 .022 7-17-06</i> <i>RA</i>
690	PACK		<i>8-3-06</i> <i>RA</i>




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

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

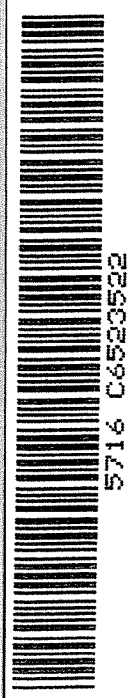
MODEL 700TM H24

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

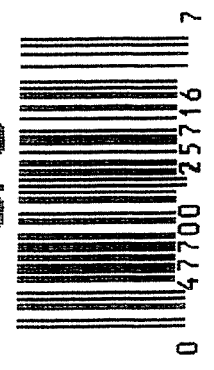
SERIAL NO.
C6523522

ORDER NO.
5716

Ø1



UPC



CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06523522
16 Sep 1990

CENTROIDAL DISTANCES

0 TO 1	.121066
1 TO 2	.168241
1 TO 3	.265047
1 TO 4	.215335
1 TO 5	.165895

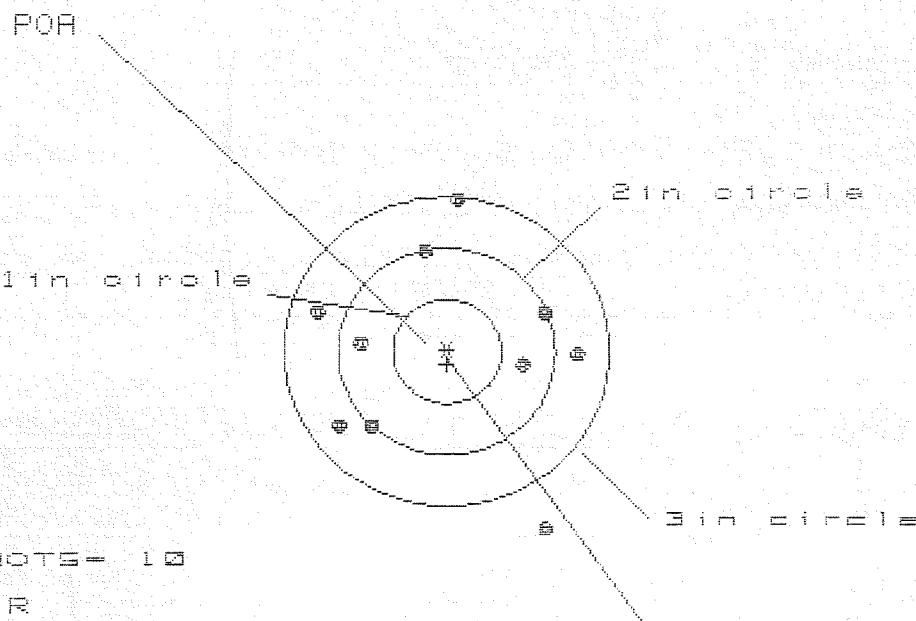
⊙ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0686
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .003
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0686656
THE AMR FOR THIS RIFLE IS: 1.177

16 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523522

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 0

2in = 5

3in = 9

HS = 2.477

VS = 3.127

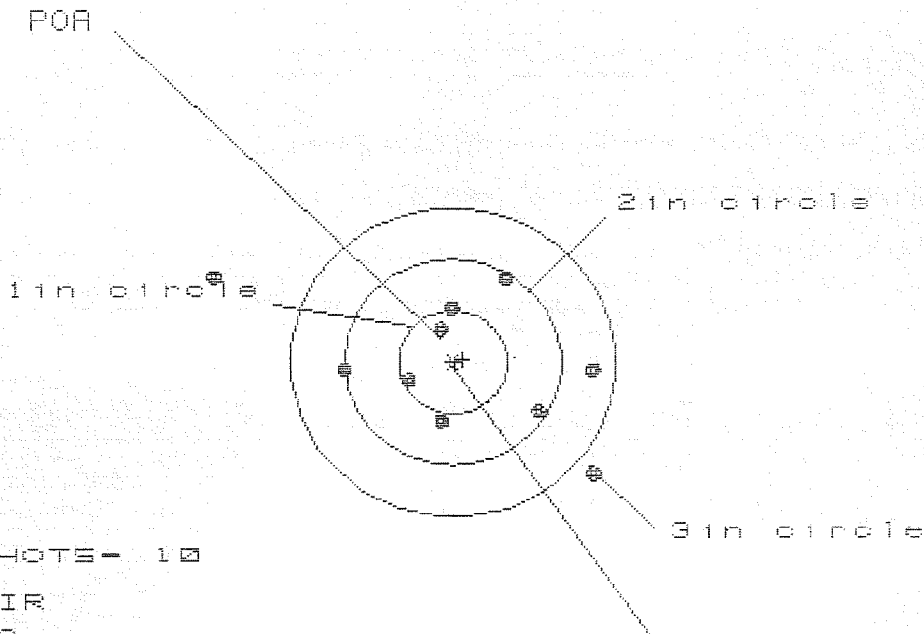
GS = 3.212

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.239	1.337	1.367
MINIMUM X	:	-1.238	-1.140	-1.110
MAXIMUM Y	:	1.429	1.240	.914
MINIMUM Y	:	-1.698	-.895	-.740
CENTROID X	:	-.004	-.102	-.132
CENTROID Y	:	.121	.310	.155
FOR TO CENTROID in.	:	.121	.326	.204
MIN RADIUS	:	.759	.690	.652
MEAN RADIUS	:	1.158	1.054	1.018
MAX RADIUS	:	1.912	1.352	1.368
HORIZONTAL SPREAD	:	2.477	2.477	2.477
VERTICAL SPREAD	:	3.127	2.135	1.654
EXTREME SPREAD	:	3.212	2.509	2.509
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

18 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523522

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 3.537

VS= 1.974

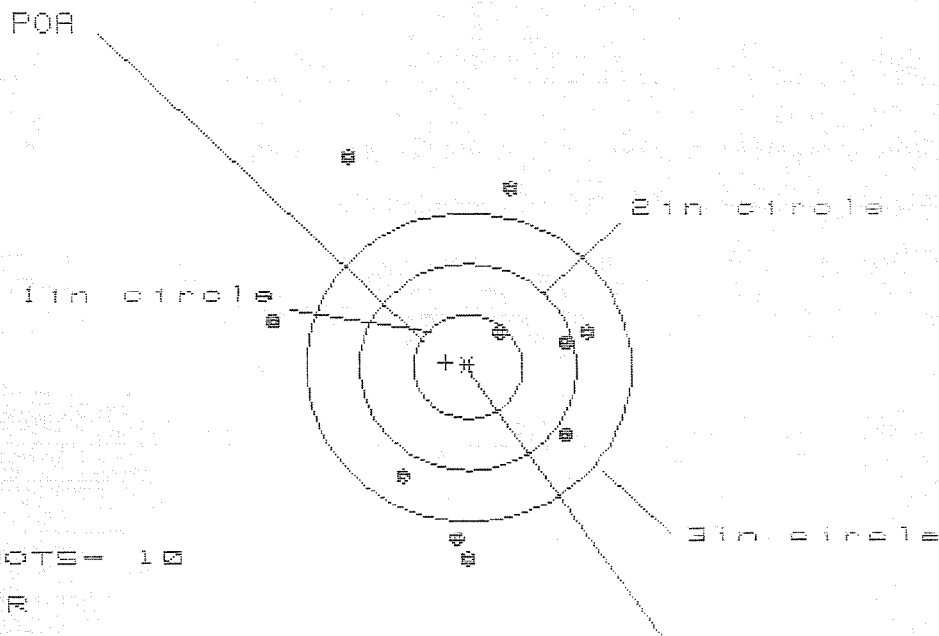
GS= 4.029

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.314	1.067	1.173
MINIMUM X	:	-2.223	-1.285	-1.152
MAXIMUM Y	:	.862	.953	.925
MINIMUM Y	:	-1.112	-1.021	-.591
CENTROID X	:	-.091	.156	.023
CENTROID Y	:	-.023	-.114	.014
POA TO CENTROID in.	:	.094	.193	.027
MIN RADIUS	:	.310	.512	.329
MEAN RADIUS	:	1.021	.878	.769
MAX RADIUS	:	2.369	1.477	1.183
HORIZONTAL SPREAD	:	3.537	2.352	2.325
VERTICAL SPREAD	:	1.974	1.974	1.416
EXTREME SPREAD	:	4.029	2.570	2.325
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

16 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523522

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 2

3 in = 5

HS= 2.901

VS= 3.878

CS= 4.030

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.140	1.014	.993
MINIMUM X	:	-1.761	-1.887	-1.908
MAXIMUM Y	:	2.044	1.928	1.728
MINIMUM Y	:	-1.834	-1.607	-1.627
CENTROID X	:	.205	.331	.352
CENTROID Y	:	-.042	-.269	-.069
POA TO CENTROID in.	:	.209	.427	.359
MIN RADIUS	:	.465	.611	.414
MEAN RADIUS	:	1.432	1.300	1.237
MAX RADIUS	:	2.340	2.015	1.974
HORIZONTAL SPREAD	:	2.901	2.901	2.901
VERTICAL SPREAD	:	3.878	3.535	3.354
EXTREME SPREAD	:	4.030	3.559	3.384
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	2		
NUMBER IN THREE INCH CIRCLE	=	5		

16 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523522

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 8

HS= 2.726

VS= 3.098

CS= 3.117

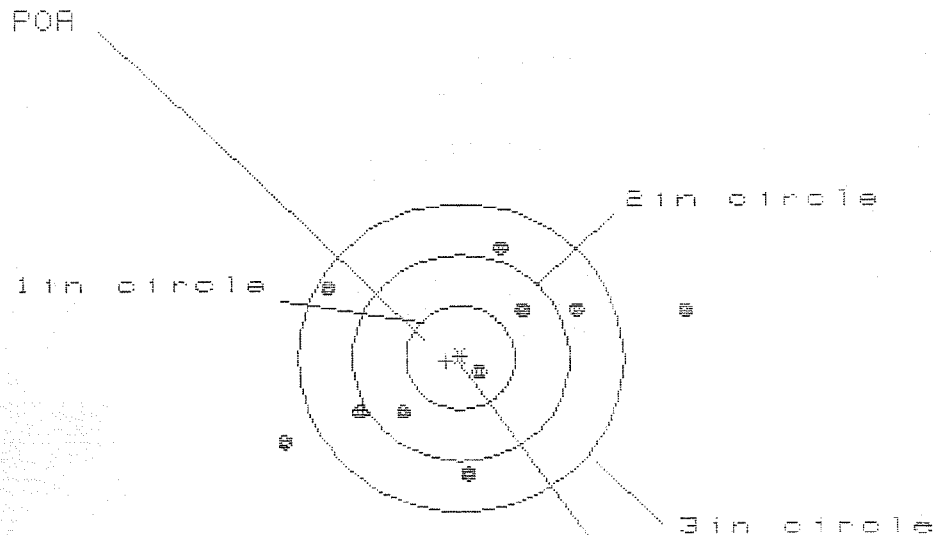
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.972	.941	.718
MINIMUM X	-1.754	-1.785	-.874
MAXIMUM Y	1.105	.884	.848
MINIMUM Y	-1.993	-1.092	-1.128
CENTROID X	.101	.132	.355
CENTROID Y	-.067	.154	.190
POA TO CENTROID in.	.122	.203	.403
MIN RADIUS	.475	.309	.481
MEAN RADIUS	1.121	.971	.834
MAX RADIUS	2.012	1.808	1.218
HORIZONTAL SPREAD	2.726	2.726	1.592
VERTICAL SPREAD	3.098	1.976	1.976
EXTREME SPREAD	3.117	2.736	2.387
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

18 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523522

CENTERFIRE PATTERNS # 5



OF SHOTS= 10
IN CIR
1 in = 1
2 in = 3
3 in = 6
H= 3.695
V= 2.211
GS= 3.922

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.098	1.282	1.111
MINIMUM X	-1.597	-1.364	-1.153
MAXIMUM Y	1.108	1.158	1.057
MINIMUM Y	-1.103	-1.053	-1.154
CENTROID X	.132	-.101	.070
CENTROID Y	.026	-.024	.077
POA TO CENTROID in.	.135	.104	.104
MIN RADIUS	.223	.401	.303
MEAN RADIUS	1.154	1.038	.955
MAX RADIUS	2.146	1.586	1.302
HORIZONTAL SPREAD	3.695	2.646	2.264
VERTICAL SPREAD	2.211	2.211	2.211
EXTREME SPREAD	3.922	2.966	2.271
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 3		
NUMBER IN THREE INCH CIRCLE	= 6		

SWS TRIGGER PULL TEST

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

SERIAL NO. C6523522
DATE 9/13/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.54	2.26	2.35 4.00	2.15	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.23	2.38	2.13	
PULL #3	2.51	2.36	2.34	2.13	
PULL #4	2.46	2.32	2.40	2.16	
PULL #5	2.42	2.24	2.33	2.14	
TOTAL	12.43	11.41	11.80	10.71	
AVG.	2.48	2.28	2.36	2.142	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.00	3.27		
PULL #2	3.18	3.00		
PULL #3	3.13	3.13		
PULL #4	3.23	3.11		
PULL #5	3.23	3.03		
TOTAL	15.77	15.54		
AVG.	3.15	3.11		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.03	4.10		4.08
PULL #2	3.95	4.09		3.95
PULL #3	3.90	4.12		4.08
PULL #4	3.97	4.16		4.11
PULL #5	4.00	4.09		4.06
TOTAL	19.85	20.56		20.28
AVG.	3.97	4.11		4.05

CAD-7EC

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6573522

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	KCA
	Magnaflux Bolt		8/21/90	KCA
615	Rollmark Caliber		8/21/90	GS
617	Drill and Tap Sight Holes		8/23/90	FB
618	Polish Barrel RB		8/23/90	WL
620	Apply Coatings (Barrel Action)		8-21-90	FB
	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		8/15/90	WB

op. #	OP. NAME	READINGS				DATE	INIT
625 cont.	F) Safety On Force	4	4	4		9/15/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2		9/15/90	WB
	H) Trigger Pull Test & Retainability					9/15/90	WB
	I) Firing Pin Indent	.023	.0225	.0225		9/15/90	WB
	J) Assemble Stock					9/15/90	KA
	K) Assemble Swivel Studs					9/17/90	928
	L) Attach Front and Rear Sight Assemblies					9/15/90	KA
	M) Iron Sight Alignment					9/15/90	KA
	N) Detach Front & Rear Sights & place in numbered container					9/15/90	KA
	O) Attach Scope to Rifle					9/15/90	KA
	P) Detach & Attach Scope 20 Times					9/15/90	KA
640	Gallery Target & Test					9/16/90	KT
	A) Time						KT
	B) Malfunctions						KT
	C) Pierced Primers						KT
	D) Optical Clarity of Scope						KT
645	Inspect for Live Ammo					9/16/90	KT
655	Final Inspection						
	A) Headspace					9/17/90	928
	B) Trigger Pull	2.15	2.13	2.13	2.14	2.14	9-17-90 921
	C) Function					9/17/90	928
660	Pack					9-17-90	DH