

C6522323

MODEL 700™ H24

Model SMS™

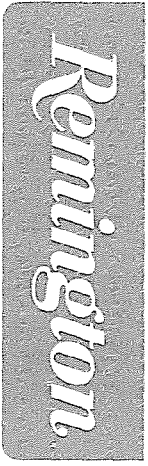
Action _____

Barrel Length _____

Capacity _____

Order No. 5715

*Includes 1 in chamber.



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522323.___0
FILE DATE AND TIME: 11/23/2005 21:31

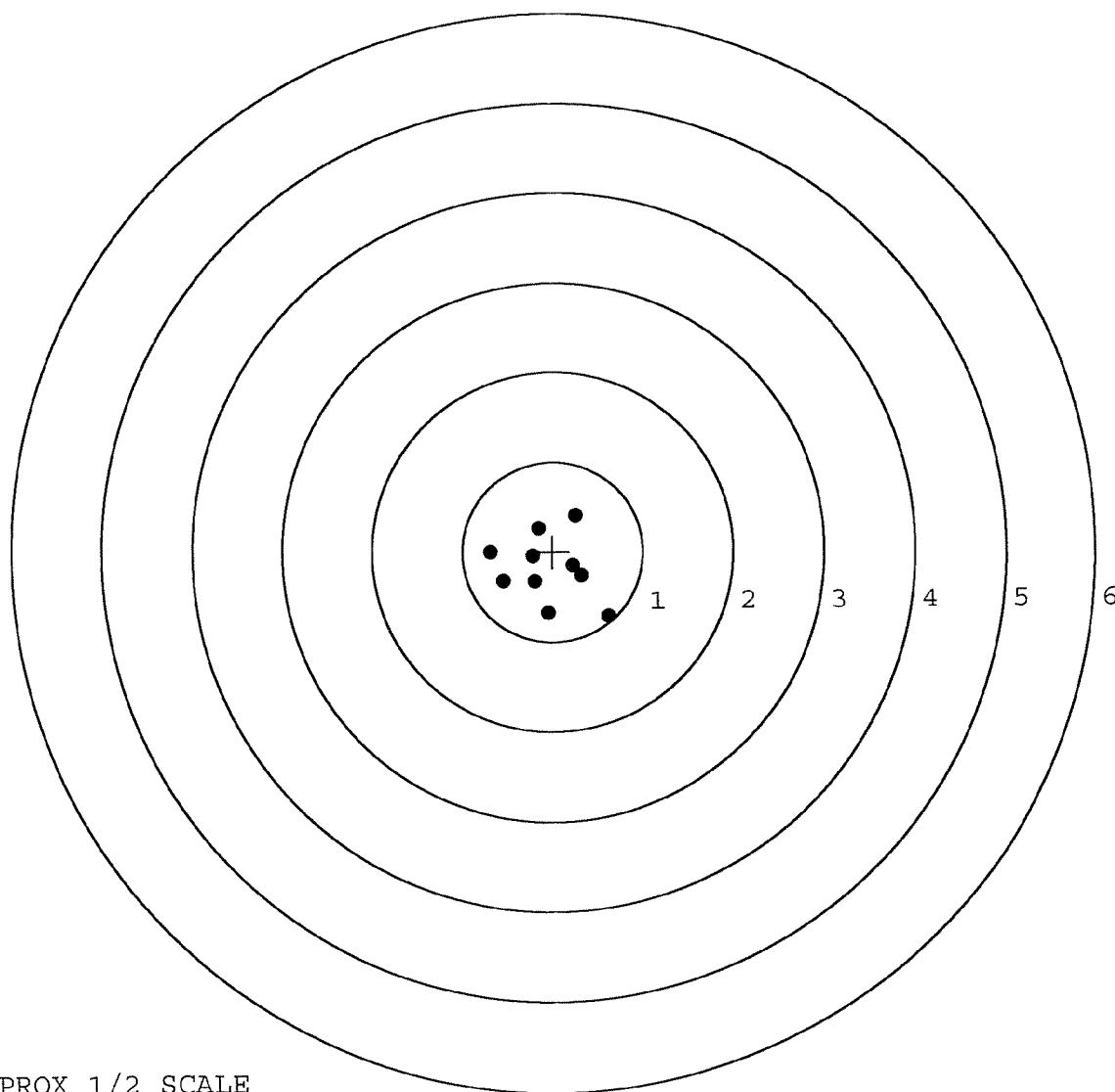
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.087
The Average Y Centroid of the Five Target Set:	-0.066
The Average Point of Impact of the Five Target Set:	0.109
The Average Mean Radius of the Five Target Set:	0.549
The Distance from POA to Centroid Target #1:	0.193
The Distance from Centroid Target #2 to Centroid Target #1:	0.256
The Distance from Centroid Target #3 to Centroid Target #1:	0.290
The Distance from Centroid Target #4 to Centroid Target #1:	0.186
The Distance from Centroid Target #5 to Centroid Target #1:	0.105

SERIAL NUMBER: C6522323. __0
TARGET NUMBER: 1
FILE DATE: 11/23/2005
FILE TIME: 21:31

POINT#	X	Y
1:	-0.224	-0.049
2:	-0.203	-0.330
3:	-0.059	-0.684
4:	0.615	-0.726
5:	0.316	-0.267
6:	0.256	0.401
7:	-0.159	0.263
8:	-0.689	0.000
9:	-0.547	-0.323
10:	0.223	-0.156

X CENTROID: -0.047
Y CENTROID: -0.187
POA TO CENTROID: 0.193
HORZ SPREAD: 1.304
VERT SPREAD: 1.127
GROUP SPREAD: 1.492
MIN RADIUS: 0.211
MAX RADIUS: 0.854
MEAN RADIUS: 0.474
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

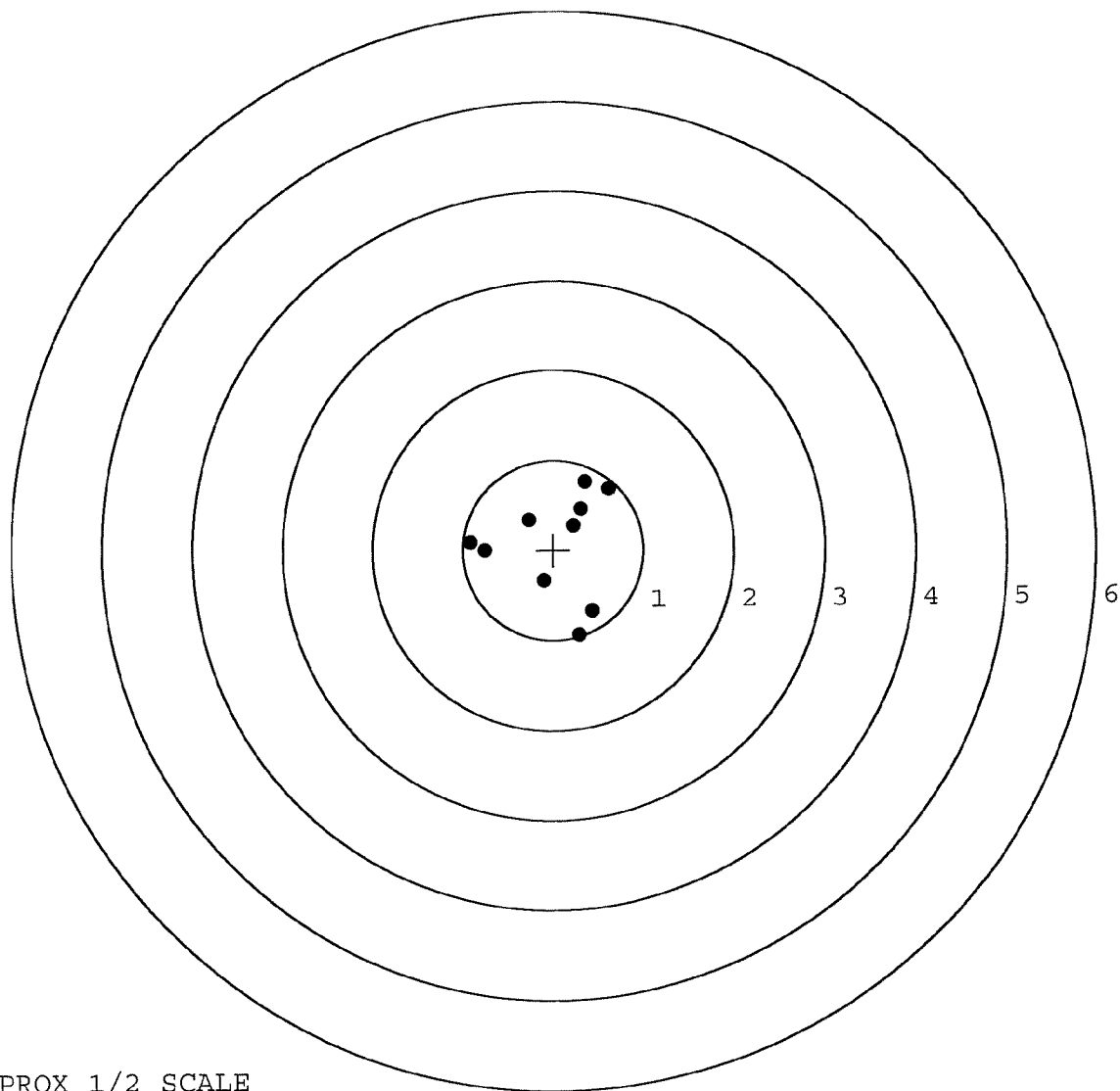


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522323. __0
TARGET NUMBER: 2
FILE DATE: 11/23/2005
FILE TIME: 21:31

X CENTROID: 0.017
Y CENTROID: 0.061
POA TO CENTROID: 0.063
HORZ SPREAD: 1.539
VERT SPREAD: 1.709
GROUP SPREAD: 1.711
MIN RADIUS: 0.294
MAX RADIUS: 1.047
MEAN RADIUS: 0.685
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.113	-0.342
2:	0.432	-0.681
3:	0.282	-0.952
4:	-0.758	0.006
5:	-0.919	0.089
6:	-0.271	0.337
7:	0.225	0.268
8:	0.311	0.455
9:	0.358	0.757
10:	0.620	0.674

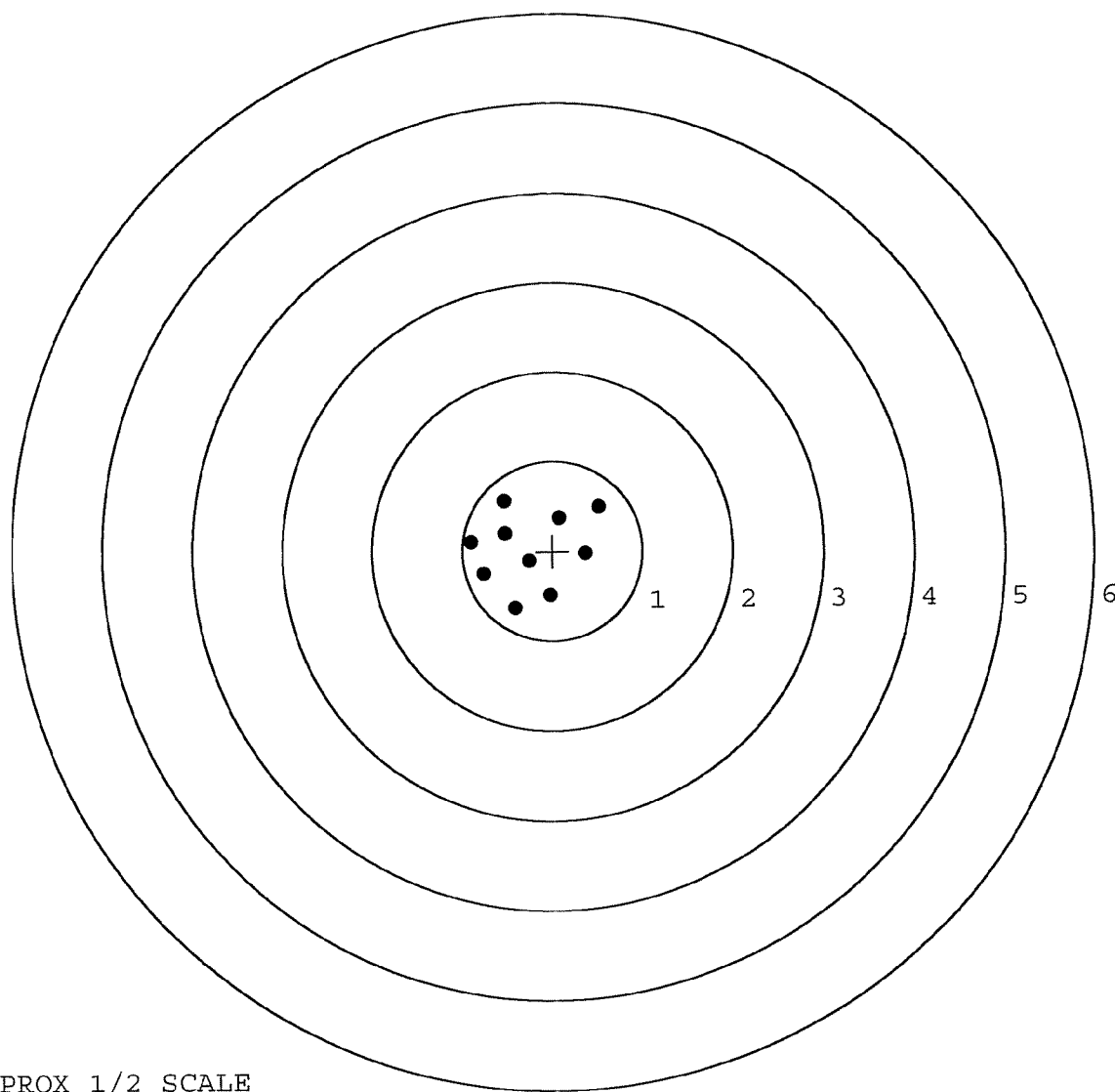


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522323. __0
TARGET NUMBER: 3
FILE DATE: 11/23/2005
FILE TIME: 21:31

X CENTROID: -0.249
Y CENTROID: 0.021
POA TO CENTROID: 0.250
HORZ SPREAD: 1.418
VERT SPREAD: 1.201
GROUP SPREAD: 1.478
MIN RADIUS: 0.132
MAX RADIUS: 0.897
MEAN RADIUS: 0.556
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.261	-0.110
2:	-0.425	-0.637
3:	-0.903	0.112
4:	-0.528	0.204
5:	0.079	0.369
6:	0.515	0.491
7:	0.364	-0.031
8:	-0.028	-0.499
9:	-0.763	-0.252
10:	-0.539	0.564



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522323. __0

TARGET NUMBER: 4

FILE DATE: 11/23/2005

FILE TIME: 21:31

POINT#	X	Y
1:	0.379	0.204
2:	0.884	0.231
3:	-0.053	0.217
4:	0.127	-0.122
5:	-0.108	-0.202
6:	-0.343	-0.370
7:	-0.406	-0.080
8:	-0.192	0.199
9:	-0.063	-0.014
10:	-0.322	-0.110

X CENTROID: -0.010

Y CENTROID: -0.005

POA TO CENTROID: 0.011

HORZ SPREAD: 1.290

VERT SPREAD: 0.601

GROUP SPREAD: 1.366

MIN RADIUS: 0.054

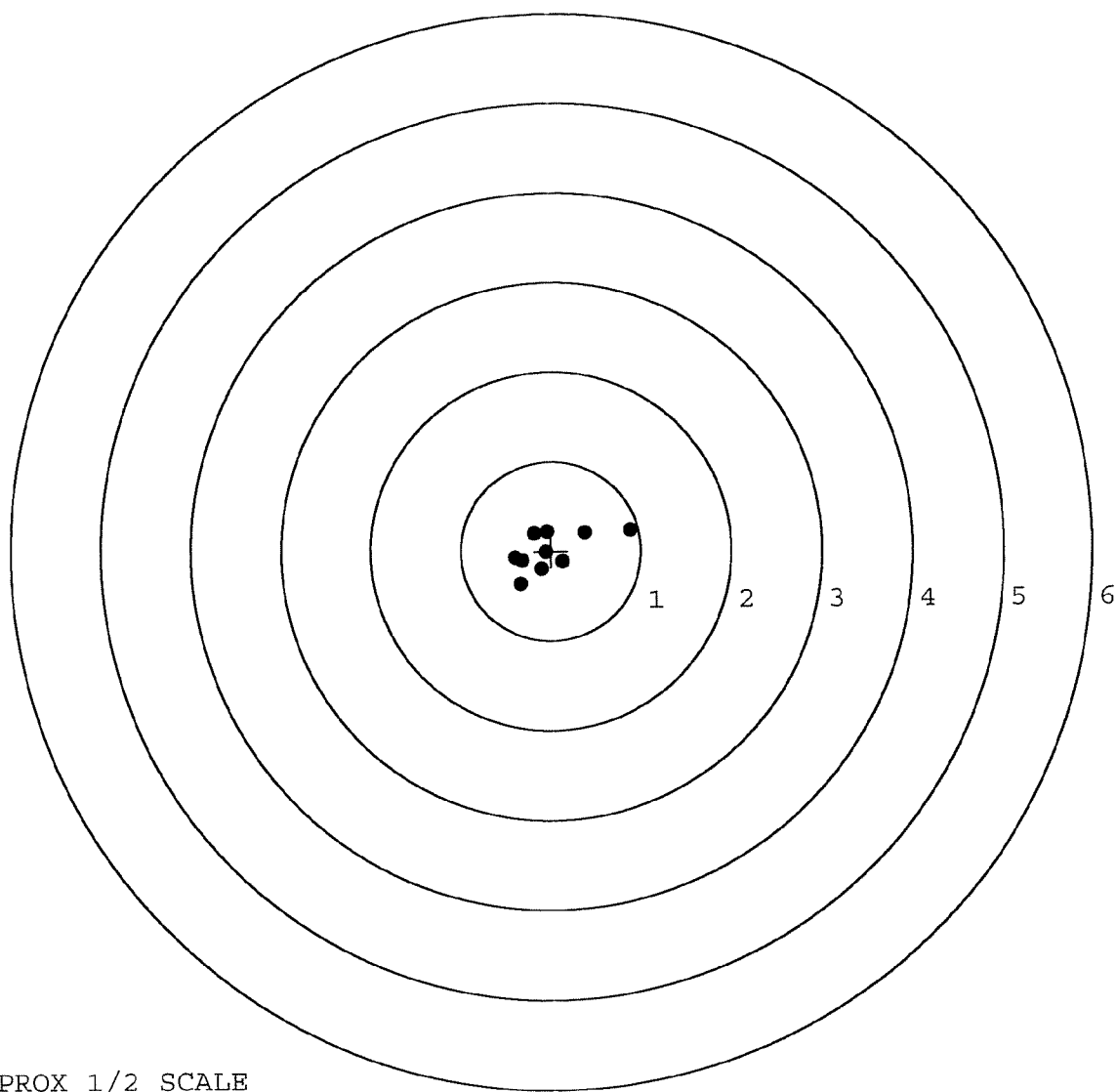
MAX RADIUS: 0.924

MEAN RADIUS: 0.355

IN 1 IN DIAMETER: 9

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

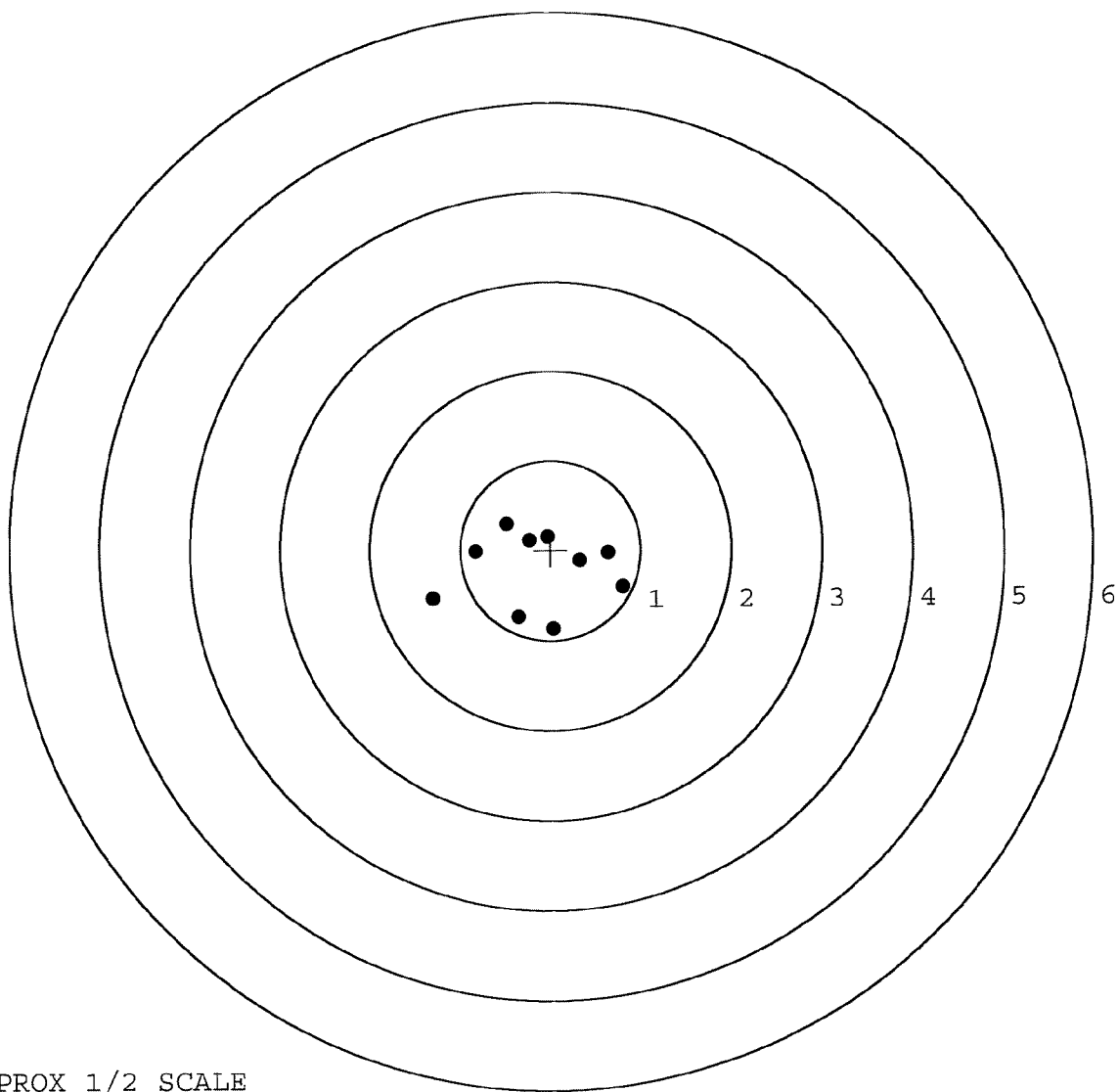


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522323. __0
TARGET NUMBER: 5
FILE DATE: 11/23/2005
FILE TIME: 21:31

X CENTROID: -0.147
Y CENTROID: -0.220
POA TO CENTROID: 0.264
HORZ SPREAD: 2.103
VERT SPREAD: 1.170
GROUP SPREAD: 2.106
MIN RADIUS: 0.339
MAX RADIUS: 1.201
MEAN RADIUS: 0.676
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.235	0.108
2:	-0.492	0.295
3:	-0.829	-0.019
4:	-1.305	-0.539
5:	-0.361	-0.743
6:	0.027	-0.875
7:	0.798	-0.419
8:	0.639	-0.037
9:	0.325	-0.121
10:	-0.037	0.153



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	102771		Camp Shelby	
SERIAL NUMBER	C 6522323			
LOG-IN DATE	10-26-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-3-05	AC
505	RE-BARREL		11-8-05	AC
560	ASSEMBLE		11-15-05	CD
600	PROOF	MAGNA-FLUX INSPECTED	11-15-05	CD
605	CHECK HEADSPACE	NOV 18 2005	11-15-05	CD
610	DIS-ASSEMBLE GUN		11-15-05	CD
612	MAGNAFLUX	OPERATOR <i>crank</i>	11/18/05	<i>crank</i>
510	DRILL AND TAP		11-17-05	BR
615	ROLLMARK CALIBER		11-18-05	CW
618	ROTO-BLAST		11-21-05	LB
620	APPLY COATINGS		11/22/05	RB
625	FINAL ASSEMBLY		11-23-05	BG
640	FUNCTION TEST AND	PASS FAIL	11-23-05	WJH
650	TARGET	PASS FAIL	11-23-05	WJH
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		11-28-05	AC
	A) HEADSPACE	PASS FAIL	11-28-05	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		AC
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	5 lbs 5 lbs 5 lbs	AC
	G) SAFETY OFF FORCE	2 LBS MIN	4 lbs 4 lbs 4 lbs	AC
	I) FIRING PIN INDENT	.020	.024 .024 .024	AC
690	PACK		12-2-05	DA




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

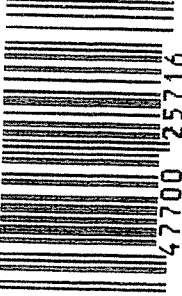
MODEL 700TM H24

SERIAL NO.
C6522323

ORDER NO.
5716

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

UPC



0 47700 25716 7



5716 C6522323

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # RUN *C6522323*
14 Aug 1990

CENTROIDAL DISTANCES

Ø TO	1	.415381
1 TO	2	.241033
1 TO	3	.237287
1 TO	4	.672429
1 TO	5	.344363

21⁵ + <----POR
+

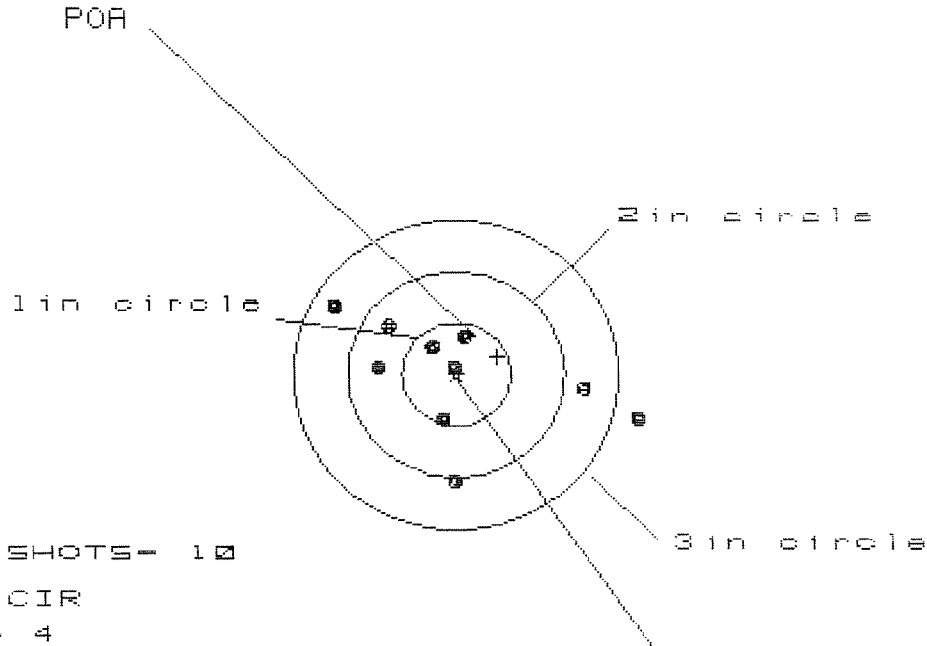
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2418
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1826
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .303002
THE AMR FOR THIS RIFLE IS: .8978

13 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522323

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 4

2in = 6

3in = 9

HS= 2.756

VS= 1.714

GS= 2.973

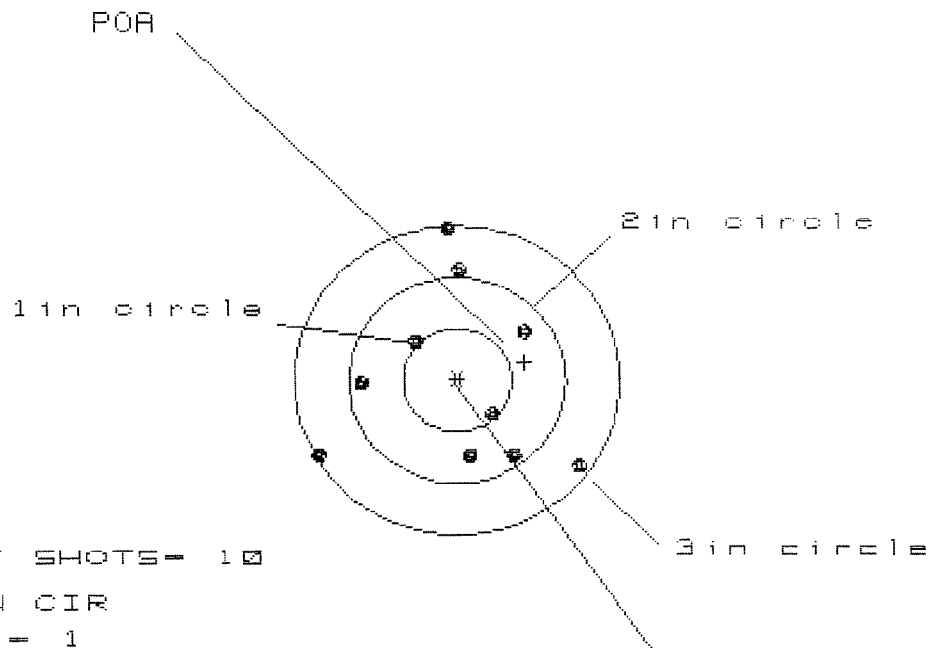
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.668	1.322	1.209
MINIMUM X	:	-1.088	-.902	-.678
MAXIMUM Y	:	.685	.637	.483
MINIMUM Y	:	-1.029	-1.077	-.997
CENTROID X	:	-.379	-.565	-.452
CENTROID Y	:	-.170	-.122	-.202
POA TO CENTROID in.	:	.416	.578	.495
MIN RADIUS	:	.087	.175	.131
MEAN RADIUS	:	.799	.667	.619
MAX RADIUS	:	1.723	1.331	1.212
HORIZONTAL SPREAD	:	2.756	2.224	1.887
VERTICAL SPREAD	:	1.714	1.714	1.480
EXTREME SPREAD	:	2.973	2.363	1.897
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

13 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522323

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 10

HS= 2.440

VS= 2.212

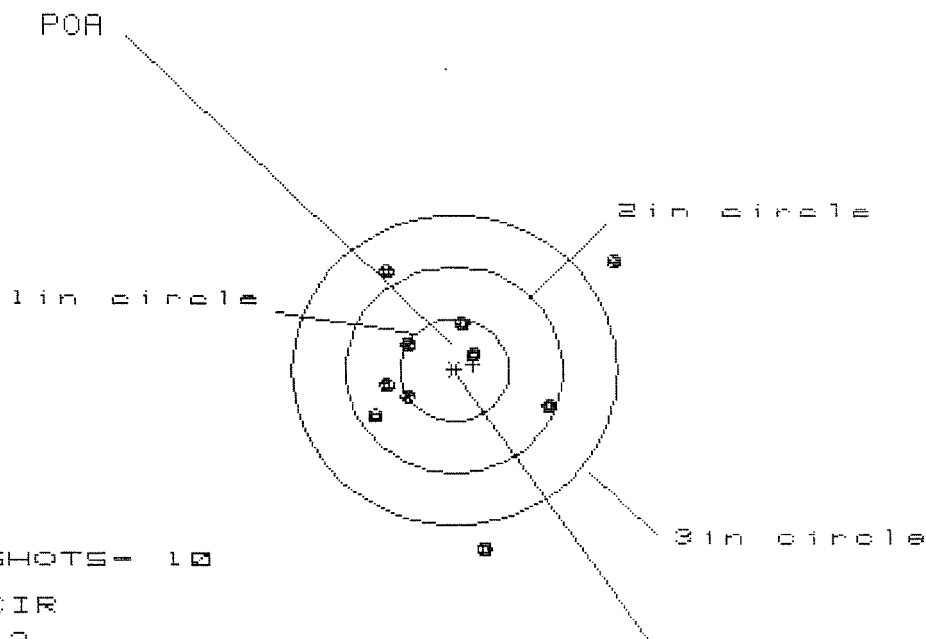
GS= 2.503

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.112	.964	.939
MINIMUM X	:	-1.328	-1.008	-1.033
MAXIMUM Y	:	1.436	1.360	1.132
MINIMUM Y	:	-.776	-.852	-.682
CENTROID X	:	-.620	-.472	-.447
CENTROID Y	:	-.174	-.098	-.268
POA TO CENTROID in.	:	.644	.483	.521
MIN RADIUS	:	.418	.408	.241
MEAN RADIUS	:	.953	.883	.795
MAX RADIUS	:	1.494	1.376	1.160
HORIZONTAL SPREAD	:	2.440	1.972	1.972
VERTICAL SPREAD	:	2.212	2.212	1.814
EXTREME SPREAD	:	2.503	2.503	2.139
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			10	

13 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522323

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 2.221

VS= 2.808

GS= 3.045

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.454	1.485	1.047
MINIMUM X	:	-.767	-.736	-.550
MAXIMUM Y	:	1.034	.837	.861
MINIMUM Y	:	-1.774	-.621	-.516
CENTROID X	:	-.172	-.203	-.389
CENTROID Y	:	-.054	.143	.038
POA TO CENTROID in.	:	.181	.248	.391
MIN RADIUS	:	.241	.164	.276
MEAN RADIUS	:	.875	.745	.595
MAX RADIUS	:	1.795	1.705	1.131
HORIZONTAL SPREAD	:	2.221	2.221	1.597
VERTICAL SPREAD	:	2.808	1.458	1.377
EXTREME SPREAD	:	3.045	2.657	1.937
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			8	

13 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522323

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 1.715

VS= 1.705

GS= 2.024

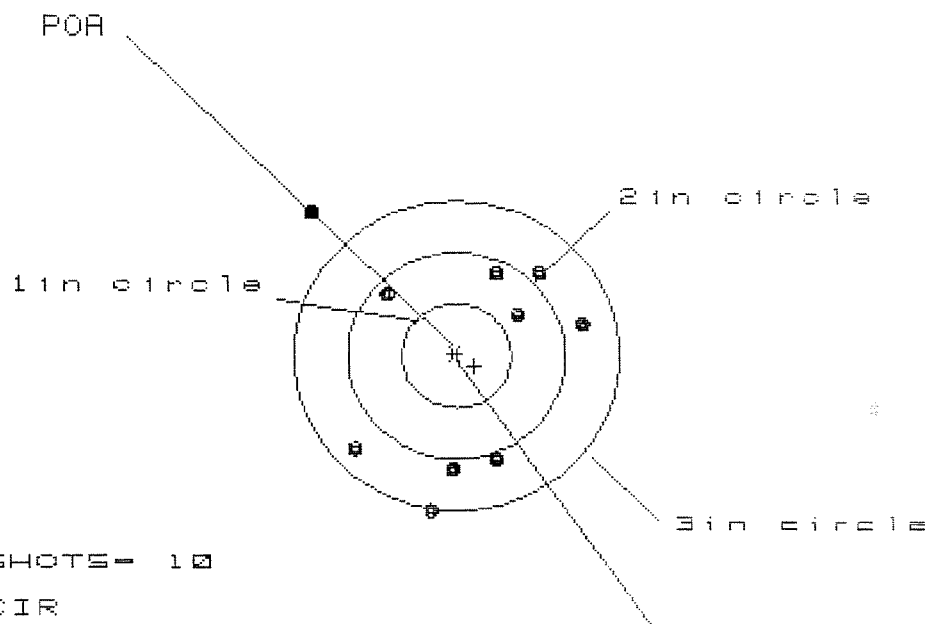
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.082	1.187	.318
MINIMUM X	:	-.633	-.528	-.380
MAXIMUM Y	:	.859	.790	.816
MINIMUM Y	:	-.846	-.915	-.889
CENTROID X	:	.126	.021	-.127
CENTROID Y	:	-.614	-.545	-.571
POA TO CENTROID in.	:	.627	.545	.585
MIN RADIUS	:	.017	.142	.033
MEAN RADIUS	:	.701	.639	.539
MAX RADIUS	:	1.130	1.205	.895
HORIZONTAL SPREAD	:	1.715	1.715	.698
VERTICAL SPREAD	:	1.705	1.705	1.705
EXTREME SPREAD	:	2.024	1.755	1.718
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522323

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 0

2in = 3

3in = 9

HS= 2.541

VS= 2.881

GS= 3.068

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.203	1.055	1.001
MINIMUM X	:	-1.338	-1.051	-1.105
MAXIMUM Y	:	1.410	1.004	.840
MINIMUM Y	:	-1.471	-1.315	-1.067
CENTROID X	:	-.164	-.016	.038
CENTROID Y	:	.099	-.057	.107
POA TO CENTROID in.	:	.192	.059	.114
MIN RADIUS	:	.694	.708	.544
MEAN RADIUS	:	1.161	1.057	.990
MAX RADIUS	:	1.943	1.384	1.410
HORIZONTAL SPREAD	:	2.541	2.106	2.106
VERTICAL SPREAD	:	2.881	2.319	1.907
EXTREME SPREAD	:	3.068	2.539	2.407
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
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 C6522323
DATE 9-12-90
TESTER JH.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.23	2.23	2.28	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.18	2.23	2.44	2.38	
PULL #3	2.20	2.23	2.22	2.36	
PULL #4	2.22	2.19	2.43	2.20	
PULL #5	2.41	2.19	2.18	2.35	
TOTAL	11.48	11.07	11.50	11.57	
AVG.	2.296	2.214	2.3	2.314	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.39		
PULL #2	3.49	3.35		
PULL #3	3.37	3.46		
PULL #4	3.47	3.28		
PULL #5	3.50	3.42		
TOTAL	17.27	16.90		
AVG.	3.454	3.38		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.43	4.21		4.28
PULL #2	4.15	4.29		4.28
PULL #3	4.10	4.26		4.26
PULL #4	4.15	4.28		4.16
PULL #5	4.23	4.30		4.27
TOTAL	21.06	21.34		21.25
AVG.	4.212	4.268		4.25

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522323

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 29	90	RW
600	Proof	6 29	90	RW
607	Check Headspace	5 29	90	RW
610	Dis-assemble Gun	2 29	90	RW
612	Magnaflux Barrel Action		7-12-90	KR
	Magnaflux Bolt		7-12-90	K.R.
615	Rollmark Caliber		7-12-90	LS.
617	Drill and Tap Sight Holes		7/13/90	RB
618	Polish Barrel RB		7/16/90	WB
620	Apply Coatings (Barrel Action)		7-23-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/25/90	RW
	C) Inspect Ejector Hole for Chamfer		7/25/90	RW
	D) Oil Firing Pin Ass'y		7/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9-12-90	TH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			7/30/90	JH
	G) Safety Off Force	4	4	4			7/30/90	JH
	H) Trigger Pull Test & Retainability						9/12/90	JH
	I) Firing Pin Indent	.024	.0235	.0235			7/30/90	JH
	J) Assemble Stock						8/8/90	RW
	K) Assemble Swivel Studs						9/13/90	JH
	L) Attach Front and Rear Sight Assemblies						8/8/90	RW
	M) Iron Sight Alignment						8/8/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/8/90	RW
	O) Attach Scope to Rifle						8/8/90	RW
	P) Detach & Attach Scope 20 Times						8/8/90	RW
640	Gallery Target & Test						8-13-90	JH
	A) Time						"	JH
	B) Malfunctions						"	JH
	C) Pierced Primers						"	JH
	D) Optical Clarity of Scope						"	JH
645	Inspect for Live Ammo						8-13-90	JH
655	Final Inspection							
	A) Headspace						9/13/90	JH
	B) Trigger Pull	2.28	2.38	2.36	2.20	2.35	9-12-90	JH
	C) Function						9/13/90	JH
660	Pack						9/19/90	JH