

06594515

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington

Serial Number: C6594515

Model: M24 SWS

RE00089034

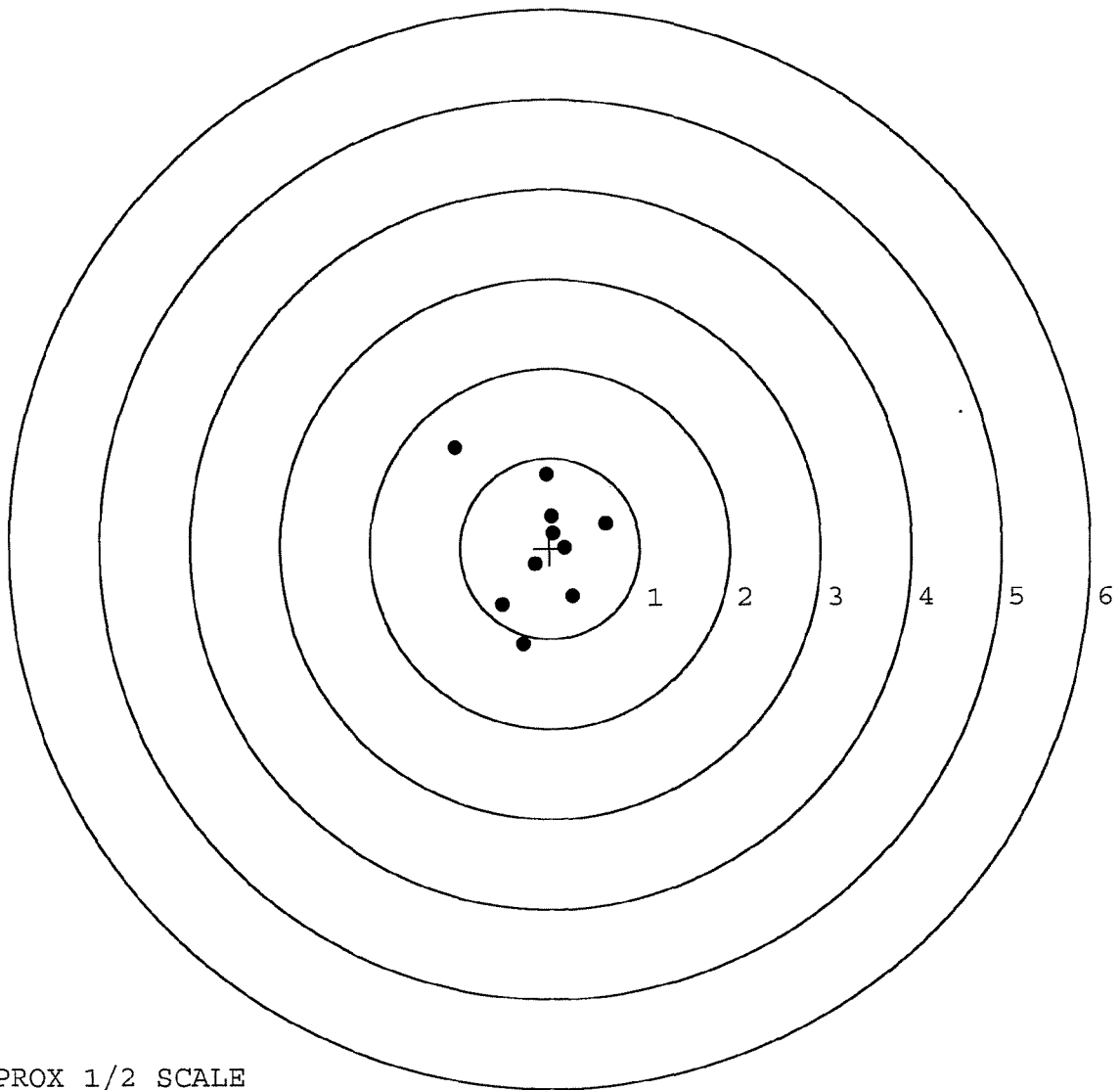
SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594515.___0
FILE DATE AND TIME: 01/11/2005 11:15

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.045
The Average Y Centroid of the Five Target Set:	-0.059
The Average Point of Impact of the Five Target Set:	0.074
The Average Mean Radius of the Five Target Set:	0.626
The Distance from POA to Centroid Target #1:	0.107
The Distance from Centroid Target #2 to Centroid Target #1:	0.207
The Distance from Centroid Target #3 to Centroid Target #1:	0.024
The Distance from Centroid Target #4 to Centroid Target #1:	0.249
The Distance from Centroid Target #5 to Centroid Target #1:	0.227

SERIAL NUMBER: C6594515. __0	POINT#	X	Y
TARGET NUMBER: 1	1:	-0.301	-1.064
FILE DATE: 01/11/2005	2:	0.252	-0.532
FILE TIME: 11:15	3:	-0.536	-0.623
	4:	-0.038	0.820
X CENTROID: -0.101	5:	-1.047	1.114
Y CENTROID: 0.035	6:	0.614	0.278
POA TO CENTROID: 0.107	7:	0.020	0.354
HORZ SPREAD: 1.661	8:	0.038	0.168
VERT SPREAD: 2.178	9:	0.161	0.010
GROUP SPREAD: 2.302	10:	-0.172	-0.176
MIN RADIUS: 0.192			
MAX RADIUS: 1.435			
MEAN RADIUS: 0.657			
# IN 1 IN DIAMETER: 4			
# IN 2 IN DIAMETER: 8			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594515. __0

TARGET NUMBER: 2

FILE DATE: 01/11/2005

FILE TIME: 11:15

X CENTROID: 0.103

Y CENTROID: -0.003

POA TO CENTROID: 0.103

HORZ SPREAD: 2.331

VERT SPREAD: 1.563

GROUP SPREAD: 2.350

MIN RADIUS: 0.153

MAX RADIUS: 1.283

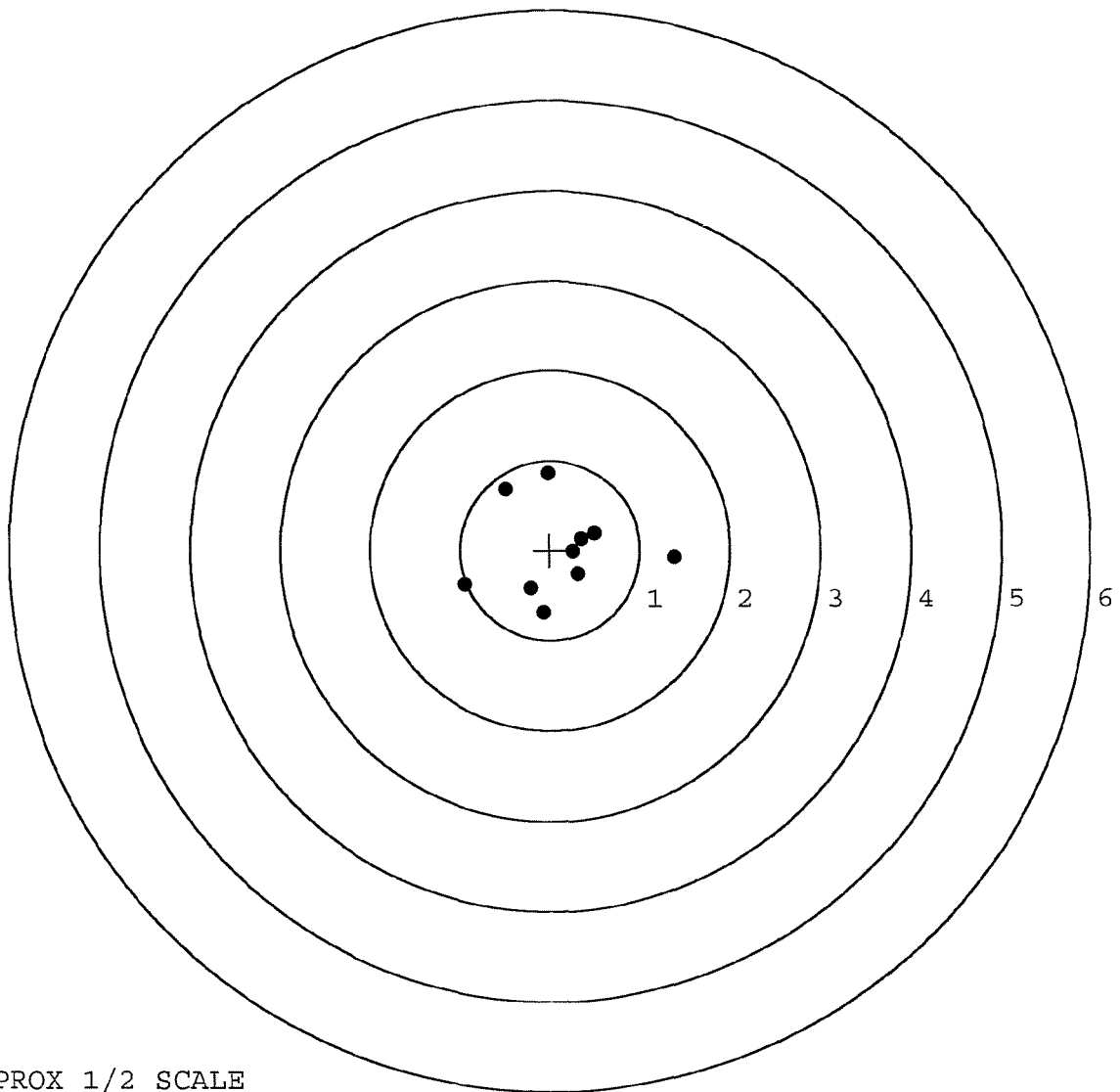
MEAN RADIUS: 0.665

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.383	-0.087
2:	-0.079	-0.706
3:	-0.219	-0.428
4:	-0.948	-0.386
5:	-0.025	0.857
6:	-0.495	0.682
7:	0.498	0.192
8:	0.350	0.127
9:	0.255	-0.014
10:	0.308	-0.272



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594515. __0

TARGET NUMBER: 3

FILE DATE: 01/11/2005

FILE TIME: 11:15

X CENTROID: -0.084

Y CENTROID: 0.053

POA TO CENTROID: 0.099

HORZ SPREAD: 2.044

VERT SPREAD: 2.358

GROUP SPREAD: 2.103

MIN RADIUS: 0.319

MAX RADIUS: 1.304

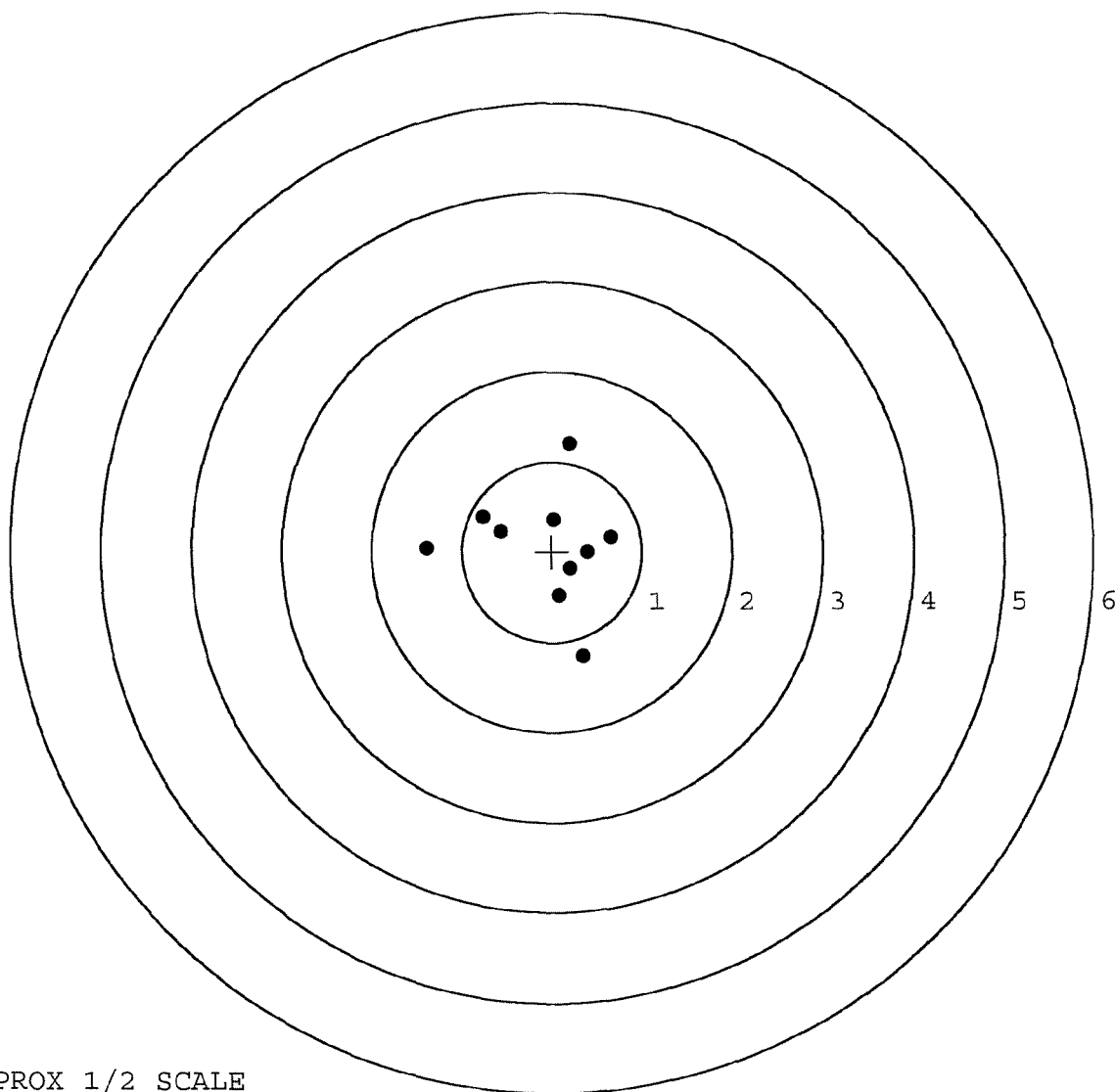
MEAN RADIUS: 0.755

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.342	-1.157
2:	0.198	1.201
3:	0.014	0.356
4:	-0.570	0.226
5:	-0.773	0.387
6:	-1.388	0.039
7:	0.656	0.162
8:	0.397	-0.008
9:	0.205	-0.191
10:	0.078	-0.490



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594515. __0

TARGET NUMBER: 4

FILE DATE: 01/11/2005

FILE TIME: 11:15

X CENTROID: -0.142

Y CENTROID: -0.211

POA TO CENTROID: 0.254

HORZ SPREAD: 1.878

VERT SPREAD: 1.577

GROUP SPREAD: 1.881

MIN RADIUS: 0.182

MAX RADIUS: 1.041

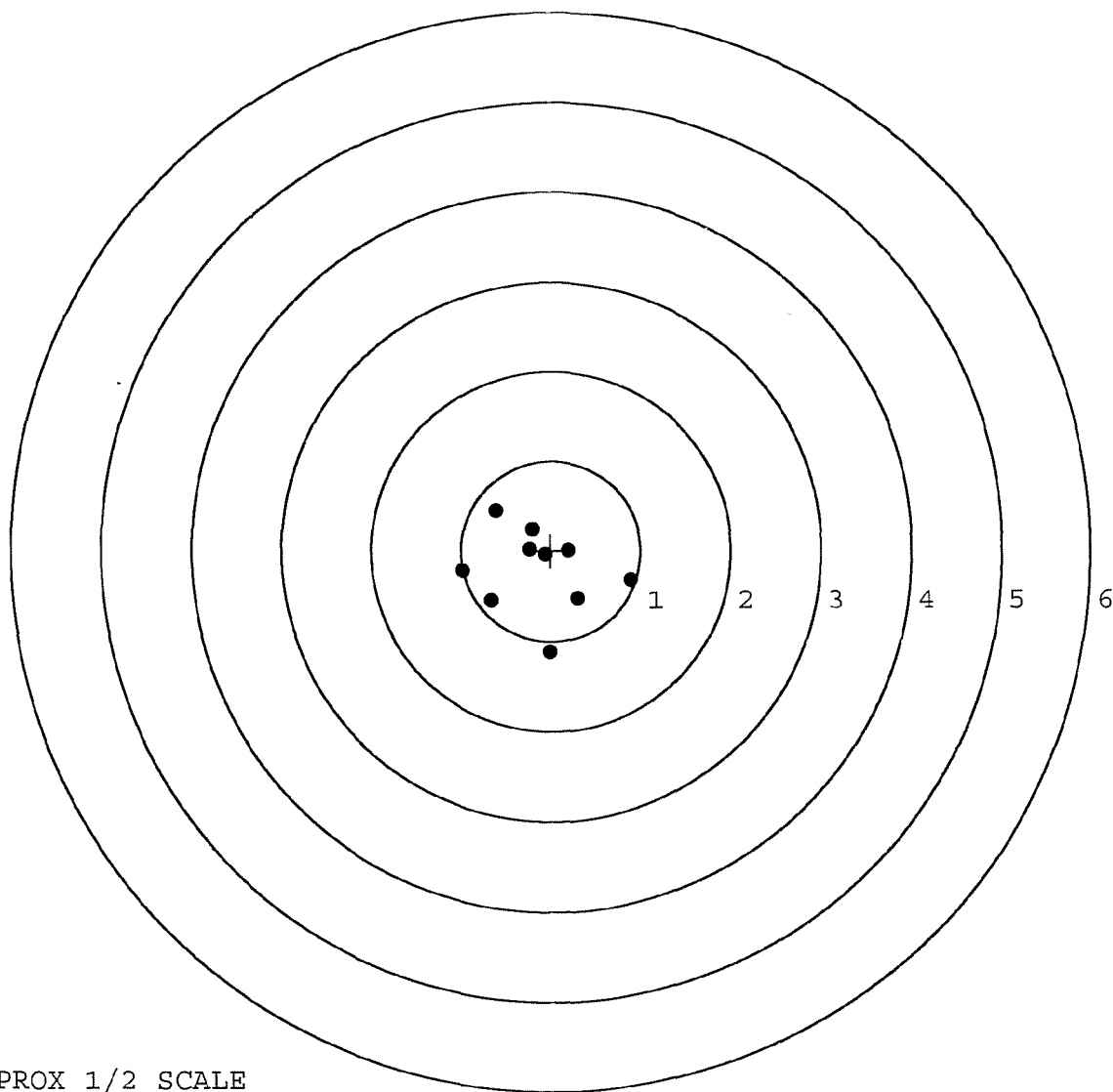
MEAN RADIUS: 0.607

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.892	-0.330
2:	0.294	-0.533
3:	-0.019	-1.124
4:	-0.673	-0.553
5:	-0.986	-0.223
6:	0.196	-0.001
7:	-0.064	-0.046
8:	-0.237	0.015
9:	-0.209	0.235
10:	-0.617	0.453



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594515. __0

TARGET NUMBER: 5

FILE DATE: 01/11/2005

FILE TIME: 11:15

X CENTROID: 0.001

Y CENTROID: -0.167

POA TO CENTROID: 0.167

HORZ SPREAD: 1.266

VERT SPREAD: 1.155

GROUP SPREAD: 1.362

MIN RADIUS: 0.066

MAX RADIUS: 0.844

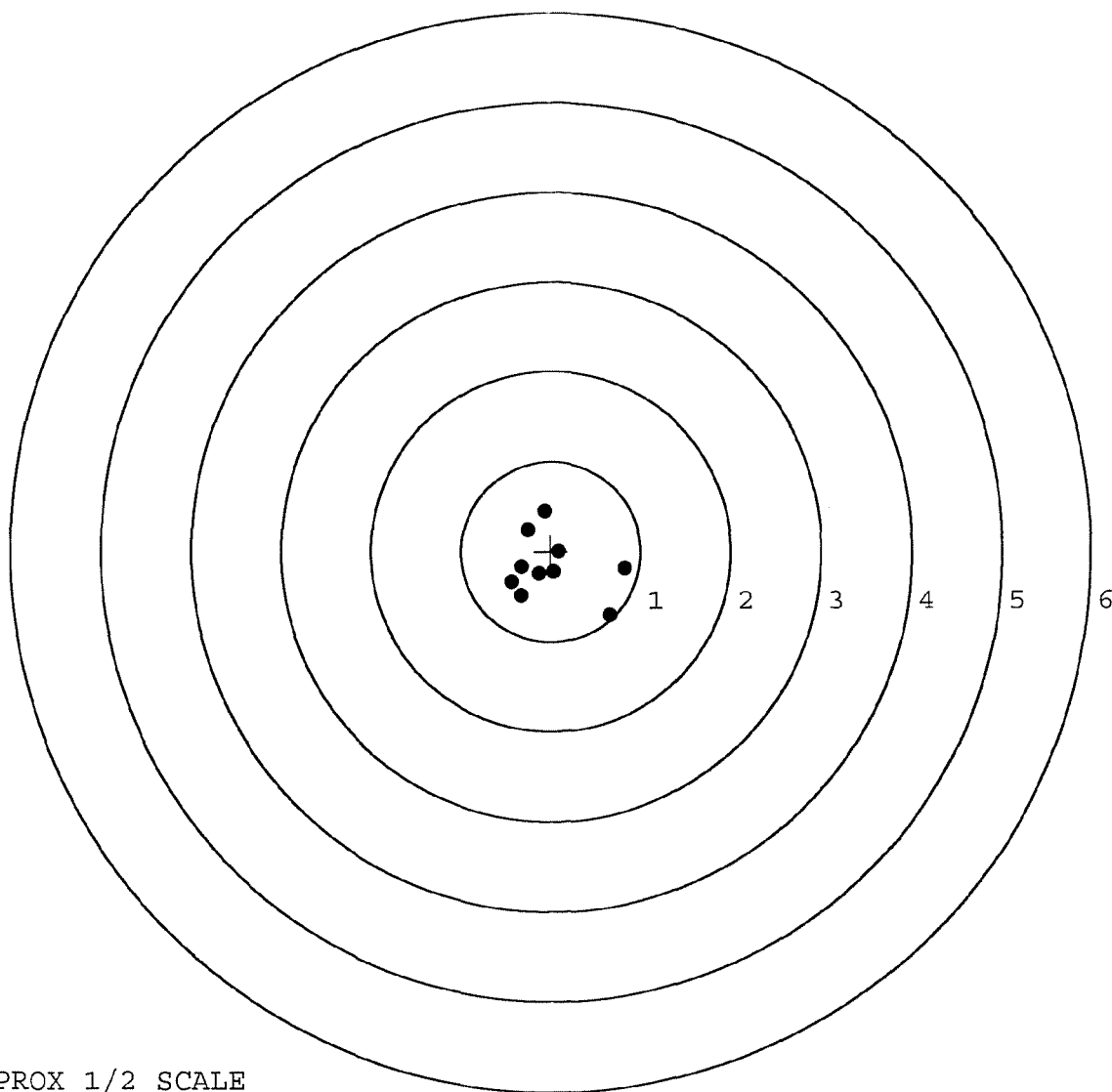
MEAN RADIUS: 0.447

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.825	-0.187
2:	0.650	-0.707
3:	-0.072	0.448
4:	-0.265	0.245
5:	0.088	0.000
6:	0.030	-0.227
7:	-0.134	-0.251
8:	-0.330	-0.168
9:	-0.441	-0.337
10:	-0.338	-0.490



TARGET APPROX 1/2 SCALE

R & E NUMBER	89034		
SERIAL NUMBER	C6594315		
LOG-IN DATE	12-6-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-7-04	RTZ
560 A	RE-BARREL	12-15-04	RTZ
B	DRILL AND TAP	12-27-04	TRW
575	ASSEMBLE	12-16-04	RTZ
600	PROOF	12-16-04	RTZ
605	CHECK HEADSPACE	12-16-04	RTZ
610	DIS-ASSEMBLE GUN	12-27-04	RTZ
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	12-27-04	CW
618	ROTO-BLAST	12/28/04	DG
620	APPLY COATINGS	1/3/05	HP
625 A	FINAL ASSEMBLY	1-6-05	RTZ
B	TRIGGER PULL TEST	N/A	
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	1-11-05	TRW
655	FINAL INSPECT	1-12-05	AC
660	PACK	3-1-05	DM
		SHIP DATE	
QAR INSPECTION DATE			

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

DUPONT

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

MODEL 700TM H24

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

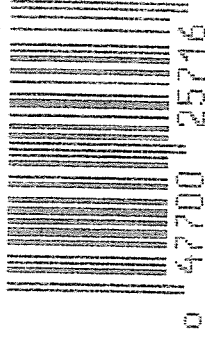
SERIAL NO.
C6594515

ORDER NO.
5716

20

5716 C6594515

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594515

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1228	90	RW
600	Proof	1228	90	RW
607	Check Headspace	1228	90	RW
610	Dis-assemble Gun	1228	90	RW
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LS
617	Drill and Tap Sight Holes	1	10 91	FB
618	Polish Barrel	1	10 91	WB
620	Apply Coatings (Barrel Action)		1-12-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/19/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/19/91	RW
	C) Inspect Ejector Hole for Chamfer		1/19/91	RW
	D) Oil Firing Pin Ass'y		1/19/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1/28/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/2	5 1/2	5 1/2			1/28/91	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			1/28/91	WB
	H) Trigger Pull Test & Retainability						1/28/91	JH
	I) Firing Pin Indent	.022	.0215	.0215			1/28/91	WB
	J) Assemble Stock						1/30/91	RW
	K) Assemble Swivel Studs						2-4-91	AC
	L) Attach Front and Rear Sight Assemblies						1/30/91	RW
	M) Iron Sight Alignment						1/30/91	RW
	N) Detach Front & Rear Sights & place in numbered container						1/30/91	RW
	O) Attach Scope to Rifle						1/30/91	RW
	P) Detach & Attach Scope 20 Times						1/30/91	RW
640	Gallery Target & Test						1-30-91	DH
	A) Time						1-30-91	DH
	B) Malfunctions						1-30-91	DH
	C) Pierced Primers						1-30-91	DH
	D) Optical Clarity of Scope						1-30-91	DH
645	Inspect for Live Ammo						1-30-91	DH
655	Final Inspection							
	A) Headspace						2-4-91	AC
	B) Trigger Pull	2.52	2.53	2.58	2.49	2.50	2-4-91	JH
	C) Function						2-4-91	AC
660	Pack						3-19-91	N

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6594515

DATE 1-28/91

TESTER QEP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.29	2.10	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.24	2.18	2.42	2.53	
PULL #3	2.32	2.33	2.34	2.58	
PULL #4	2.23	2.24	2.26	2.49	
PULL #5	2.24	2.24	2.29	2.50	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.31	3.31		
PULL #2	3.35	3.32		
PULL #3	3.21	3.26		
PULL #4	3.35	3.31		
PULL #5	3.37	3.27		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	4.27		4.50
PULL #2	4.25	4.22		4.51
PULL #3	4.24	4.13		4.41
PULL #4	4.16	4.21		4.39
PULL #5	4.31	4.22		4.42
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594515
30 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.249425
1 TO	2	.318944
1 TO	3	.386339
1 TO	4	.303402
1 TO	5	.2533

44 <----POA

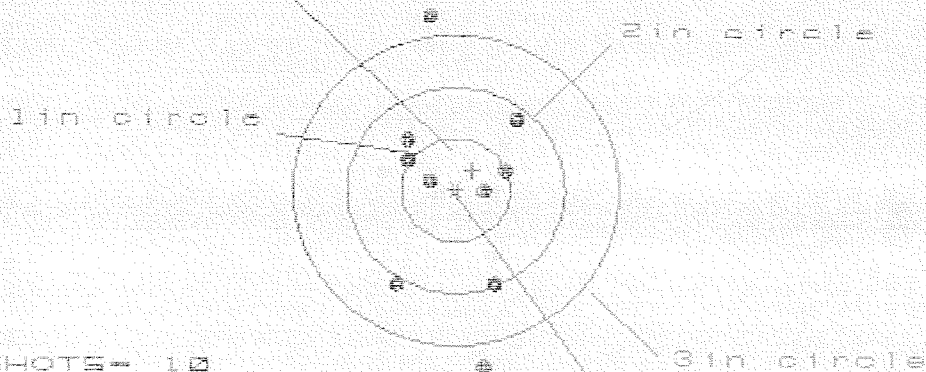
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1452
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0344
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .149219
THE AMR FOR THIS RIFLE IS: .6572

30 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594515

CENTERFIRE PATTERNS # 1

POA



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 1.042

VS= 3.414

GS= 3.447

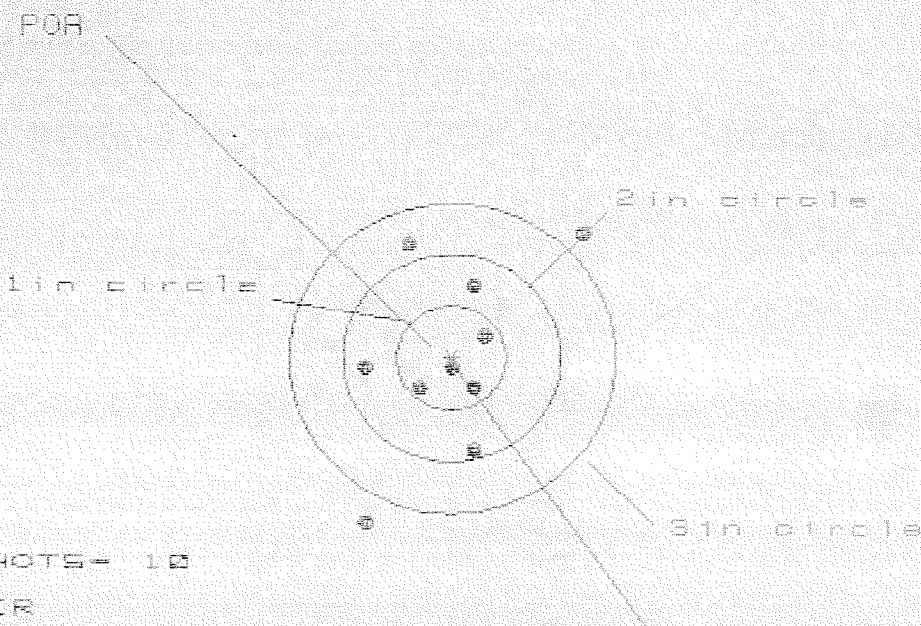
CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.537	.514	.544
MINIMUM X	-.505	-.528	-.498
MAXIMUM Y	1.734	.885	.699
MINIMUM Y	-1.680	-1.487	-.910
CENTROID X	-.158	-.135	-.165
CENTROID Y	-.193	-.386	-.200
POA TO CENTROID in.	.250	.409	.259
MIN RADIUS	.281	.310	.278
MEAN RADIUS	.859	.779	.644
MAX RADIUS	1.747	1.506	1.037
HORIZONTAL SPREAD	1.042	1.042	1.042
VERTICAL SPREAD	3.414	2.372	1.609
EXTREME SPREAD	3.447	2.388	1.917
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

30 Jan 1981

FILE:/PATTERNING/CENTERFIRE_PATT/G8594515

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 4

2in = 7

3in = 8

HS = 2.037

VS = 2.729

GS = 3.405

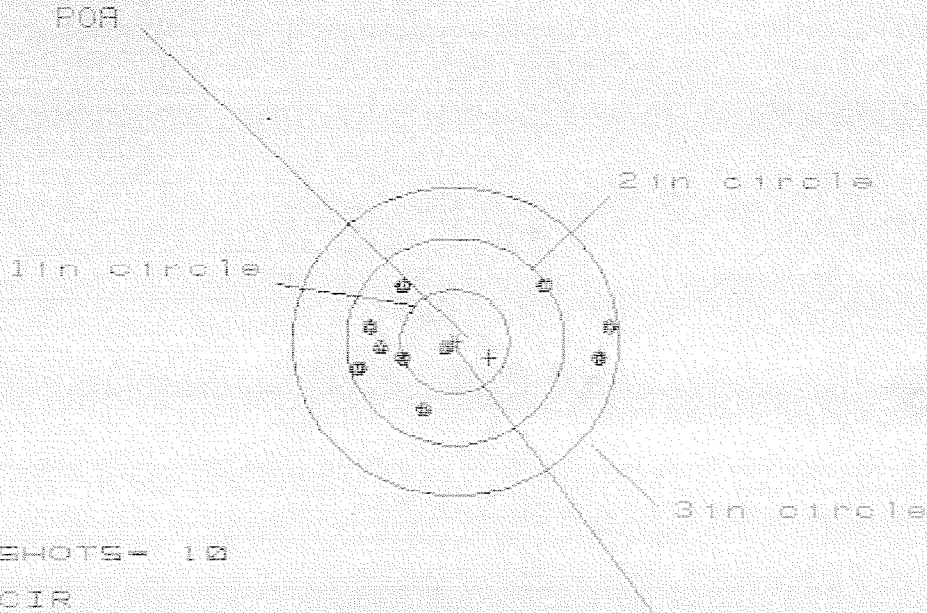
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.245	1.157	.325
MINIMUM X	-.792	-.873	-.729
MAXIMUM Y	1.186	1.014	1.062
MINIMUM Y	-1.543	-1.055	-.928
CENTROID X	-.089	.079	-.065
CENTROID Y	.089	.261	.134
POA TO CENTROID in.	.090	.272	.149
MIN RADIUS	.051	.181	.094
MEAN RADIUS	.822	.736	.606
MAX RADIUS	1.735	1.538	1.102
HORIZONTAL SPREAD	2.037	2.038	1.054
VERTICAL SPREAD	2.729	2.069	1.990
EXTREME SPREAD	3.405	2.389	2.076
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	

30 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594515

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 2.316

VS= 1.204

GS= 2.344

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.442	1.461	1.178
MINIMUM X	-.874	-.714	-.528
MAXIMUM Y	.563	.577	.556
MINIMUM Y	-.641	-.627	-.648
CENTROID X	-.315	-.475	-.661
CENTROID Y	.160	.146	.167
POA TO CENTROID in.	.354	.497	.681
MIN RADIUS	.064	.121	.218
MEAN RADIUS	.816	.702	.557
MAX RADIUS	1.448	1.491	1.200
HORIZONTAL SPREAD	2.316	2.195	1.706
VERTICAL SPREAD	1.204	1.204	1.204
EXTREME SPREAD	2.344	2.195	1.860
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

30 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CB534515

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 1.412

VS= 2.546

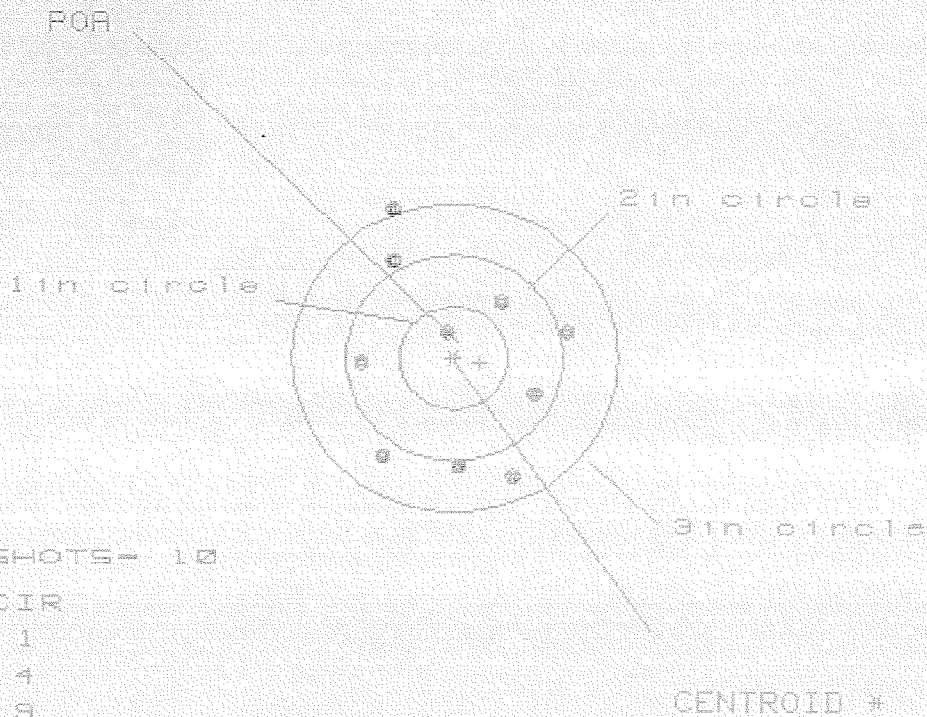
GS= 2.572

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.862	.861	.905
MINIMUM X	-.550	-.551	-.507
MAXIMUM Y	1.153	.998	.830
MINIMUM Y	-1.393	-.951	-.827
CENTROID X	-.005	-.004	-.048
CENTROID Y	.069	.224	.100
POA TO CENTROID in.	.070	.224	.111
MIN RADIUS	.203	.133	.152
MEAN RADIUS	.799	.721	.668
MAX RADIUS	1.393	1.059	.971
HORIZONTAL SPREAD	1.412	1.412	1.412
VERTICAL SPREAD	2.546	1.949	1.656
EXTREME SPREAD	2.572	1.989	1.775
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

30 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594515

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 9

HS= 1.875

VS= 2.573

GS= 2.838

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.021	.953	1.018
MINIMUM X	-.854	-.922	-.857
MAXIMUM Y	1.418	1.140	1.016
MINIMUM Y	-1.155	-.998	-.985
CENTROID X	-.239	-.171	-.236
CENTROID Y	.047	-.110	.014
POA TO CENTROID in.	.243	.203	.236
MIN RADIUS	.314	.485	.346
MEAN RADIUS	.990	.926	.885
MAX RADIUS	1.543	1.302	1.161
HORIZONTAL SPREAD	1.875	1.975	1.875
VERTICAL SPREAD	2.573	2.138	2.001
EXTREME SPREAD	2.838	2.427	2.110
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	

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

SERIAL NO. 16594515
DATE 12-14
TESTER BM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.67	2.72	2.61		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.60	2.67	2.54		
PULL #3	2.63	2.58	2.57		
PULL #4	2.61	2.66	2.62		
PULL #5	2.62	2.55	2.59		
TOTAL	13.13	13.18	12.93		
AVG.	2.62	2.63	2.58		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	2.95	2.97		
PULL #2	3.08	2.98		
PULL #3	2.92	2.99		
PULL #4	3.00	3.06		
PULL #5	3.03	2.97		
TOTAL	14.98	14.97		
AVG.	2.99	2.99		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.00		4.05
PULL #2	4.25	4.11		4.08
PULL #3	4.14	3.98		4.20
PULL #4	4.22	4.12		4.05
PULL #5	4.15	4.09		4.15
TOTAL	21.01	20.30		20.53
AVG.	4.20	4.06		4.10

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6594515

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	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			

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	4 3/4	5			12/14	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			12/14	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace							
	B) Trigger Pull	2.50	2.70	2.66	2.64	2.72	12/14	WB
	C) Function							
660	Pack							