

C6587568

MODEL 700™ M24

Model **SMS**™

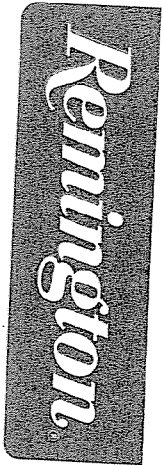
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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: **RE00092954** Serial: C6587568 Model: M24 SWS Center Fire Caliber: 7.62 NATO Produced: 12/18/1990 Repairman: Status: Closed 2/10/2005 1:14:57 PM

Verify Repair: [REDACTED]

Address Information

Customer: ☒ Received From Return to: ☐ Received From

Name: DEF DIST DEPOT ANNISTON DEF DIST DEPOT ANNISTON

Address 1: Address 2: PO Box: ANNISTON ANNISTON

City: ANNISTON ANNISTON

State: AL AL Zip Code: 362014199 362014199 Country: US US

FFL: [REDACTED]

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
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search Refresh Close

logoff 2/14/2005 9:19 AM CAPS INUM INS SCPL

start 5 2 4 5 Arms Services

Serial Number: **C6587568**

Model: **M24 SWS**



RE00092954

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587568.___0
FILE DATE AND TIME: 06/17/2005 09:21

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.285
The Average Y Centroid of the Five Target Set:	-0.038
The Average Point of Impact of the Five Target Set:	0.288
The Average Mean Radius of the Five Target Set:	1.005
The Distance from POA to Centroid Target #1:	0.106
The Distance from Centroid Target #2 to Centroid Target #1:	0.327
The Distance from Centroid Target #3 to Centroid Target #1:	0.560
The Distance from Centroid Target #4 to Centroid Target #1:	0.413
The Distance from Centroid Target #5 to Centroid Target #1:	0.142

SERIAL NUMBER: C6587568. __0

TARGET NUMBER: 1

FILE DATE: 06/17/2005

FILE TIME: 09:21

X CENTROID: -0.097

Y CENTROID: -0.044

POA TO CENTROID: 0.106

HORZ SPREAD: 1.992

VERT SPREAD: 3.534

GROUP SPREAD: 3.535

MIN RADIUS: 0.366

MAX RADIUS: 1.893

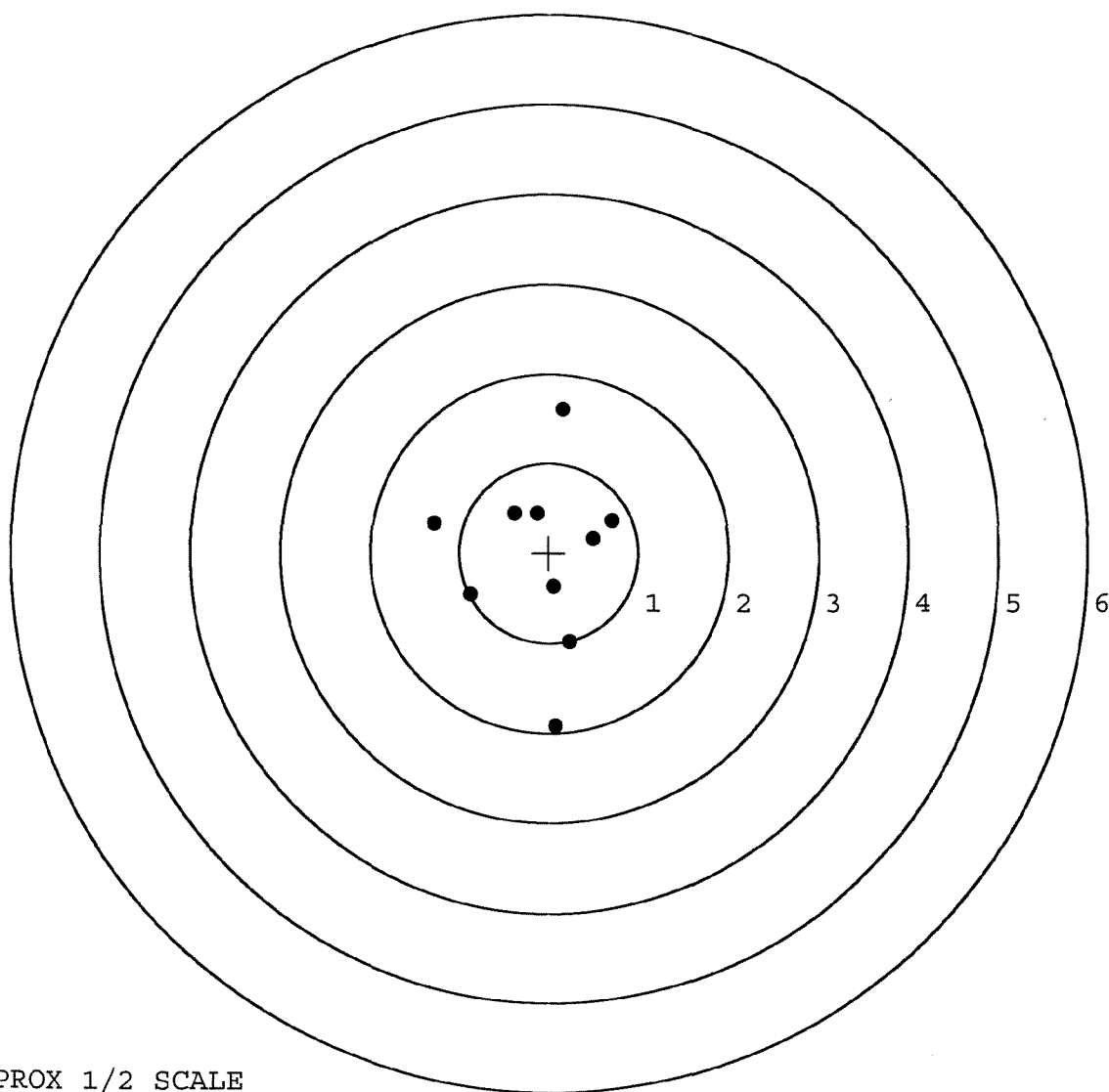
MEAN RADIUS: 0.964

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.079	-1.929
2:	0.237	-0.991
3:	0.057	-0.376
4:	-0.879	-0.465
5:	-1.290	0.327
6:	-0.139	0.435
7:	-0.388	0.440
8:	0.702	0.358
9:	0.498	0.157
10:	0.157	1.605



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587568. __0

TARGET NUMBER: 2

FILE DATE: 06/17/2005

FILE TIME: 09:21

X CENTROID: -0.286

Y CENTROID: 0.223

POA TO CENTROID: 0.362

HORZ SPREAD: 2.837

VERT SPREAD: 3.047

GROUP SPREAD: 4.045

MIN RADIUS: 0.182

MAX RADIUS: 2.158

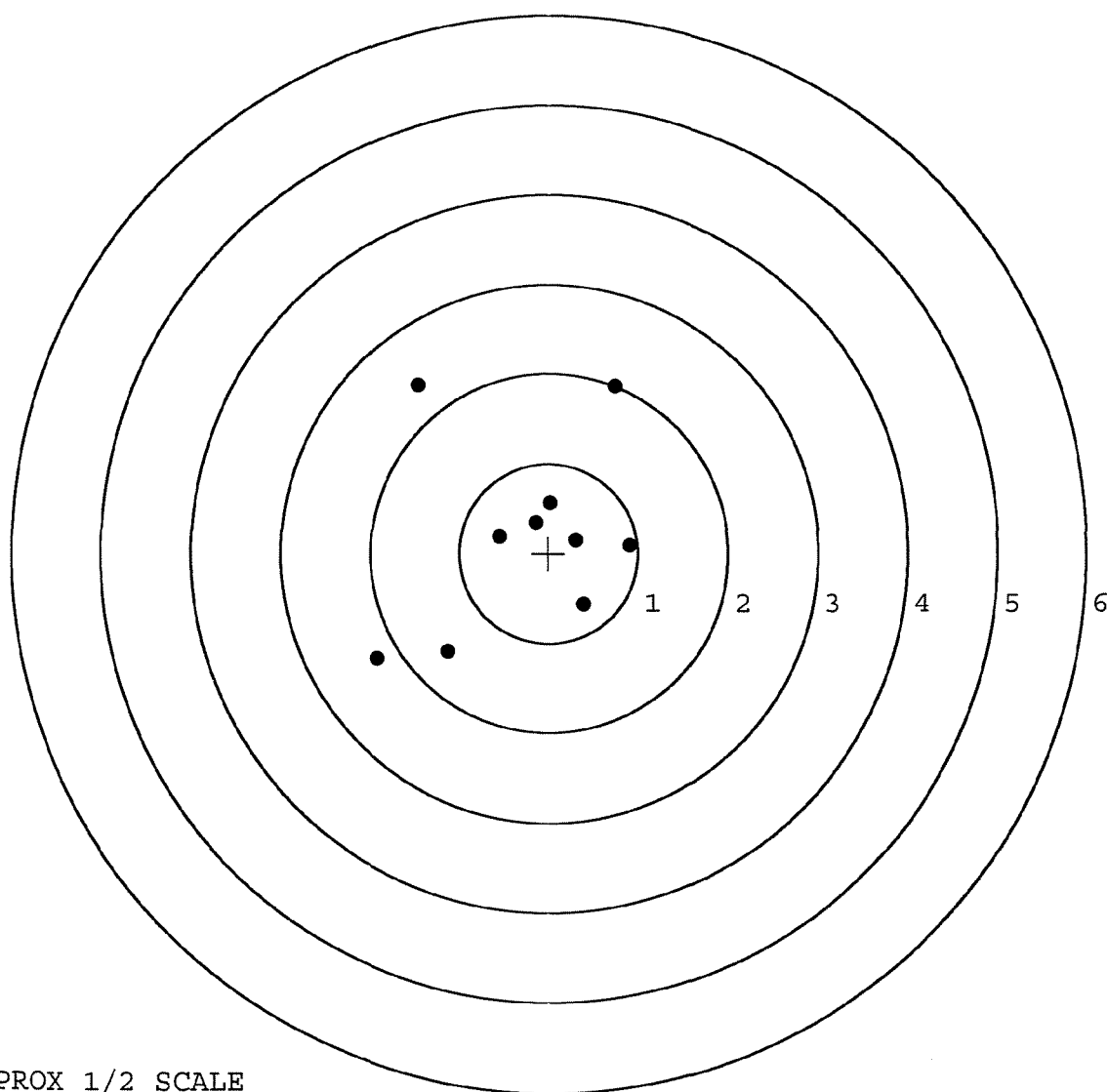
MEAN RADIUS: 1.144

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 6

POINT#	X	Y
1:	0.394	-0.571
2:	0.908	0.092
3:	0.313	0.150
4:	0.016	0.564
5:	-0.152	0.346
6:	-0.553	0.189
7:	0.746	1.857
8:	-1.472	1.870
9:	-1.929	-1.177
10:	-1.131	-1.095



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587568. __0

TARGET NUMBER: 3

FILE DATE: 06/17/2005

FILE TIME: 09:21

POINT#	X	Y
1:	0.615	-0.414
2:	0.418	-0.163
3:	-0.114	-0.446
4:	-0.412	-0.429
5:	-0.534	-0.710
6:	-1.234	1.493
7:	-2.212	0.599
8:	-1.422	0.643
9:	-1.342	0.363
10:	0.257	1.118

X CENTROID: -0.598

Y CENTROID: 0.205

POA TO CENTROID: 0.632

HORZ SPREAD: 2.827

VERT SPREAD: 2.203

GROUP SPREAD: 3.003

MIN RADIUS: 0.661

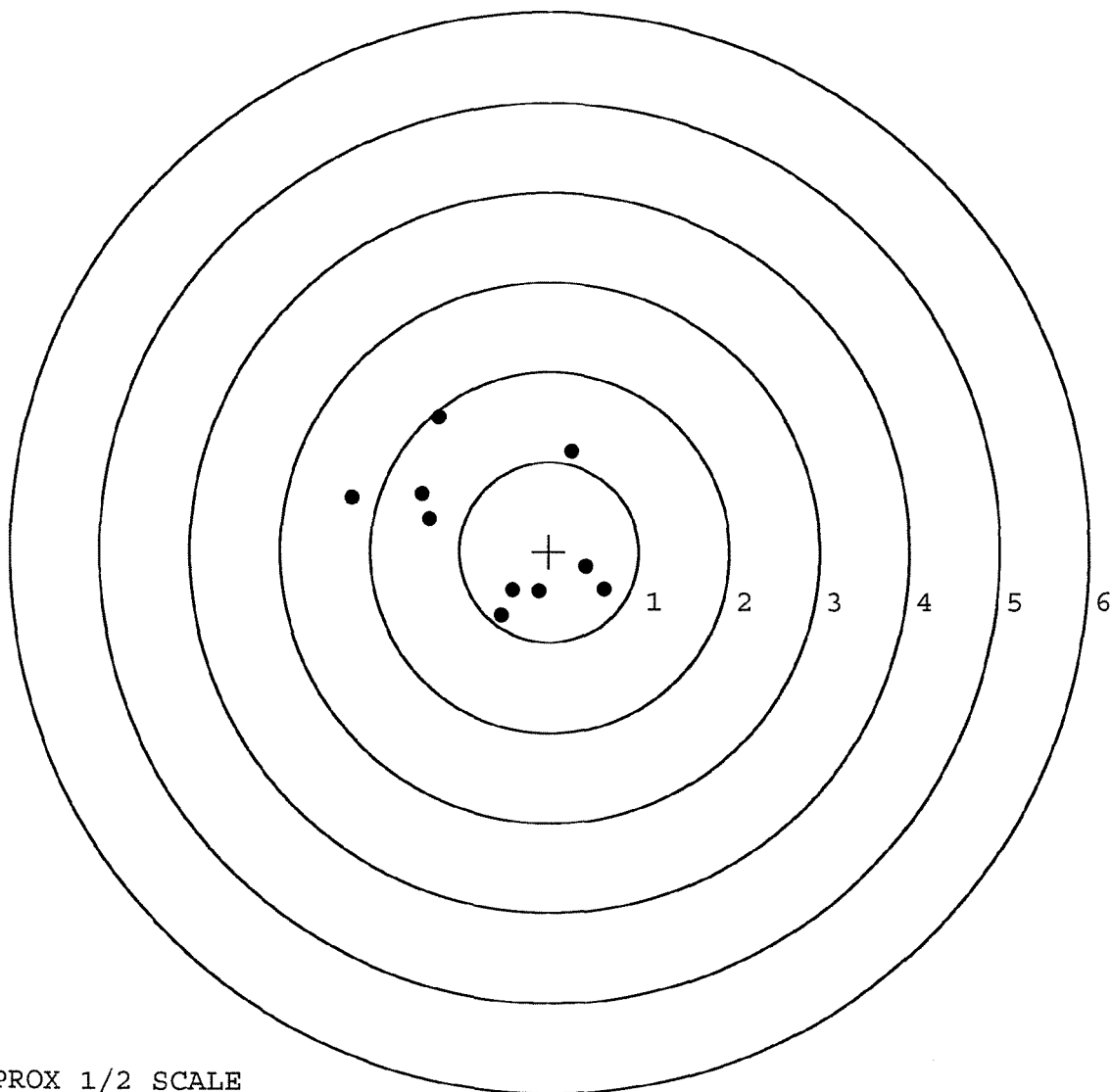
MAX RADIUS: 1.661

MEAN RADIUS: 1.087

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587568. __0

TARGET NUMBER: 4

FILE DATE: 06/17/2005

FILE TIME: 09:21

POINT#	X	Y
1:	0.587	0.761
2:	0.446	0.328
3:	0.437	-0.054
4:	0.507	-1.312
5:	-0.130	-1.274
6:	-0.312	-0.886
7:	-0.833	-0.246
8:	-1.454	0.466
9:	-0.888	0.862
10:	-0.902	-2.906

X CENTROID: -0.254

Y CENTROID: -0.426

POA TO CENTROID: 0.496

HORZ SPREAD: 2.041

VERT SPREAD: 3.768

GROUP SPREAD: 3.958

MIN RADIUS: 0.464

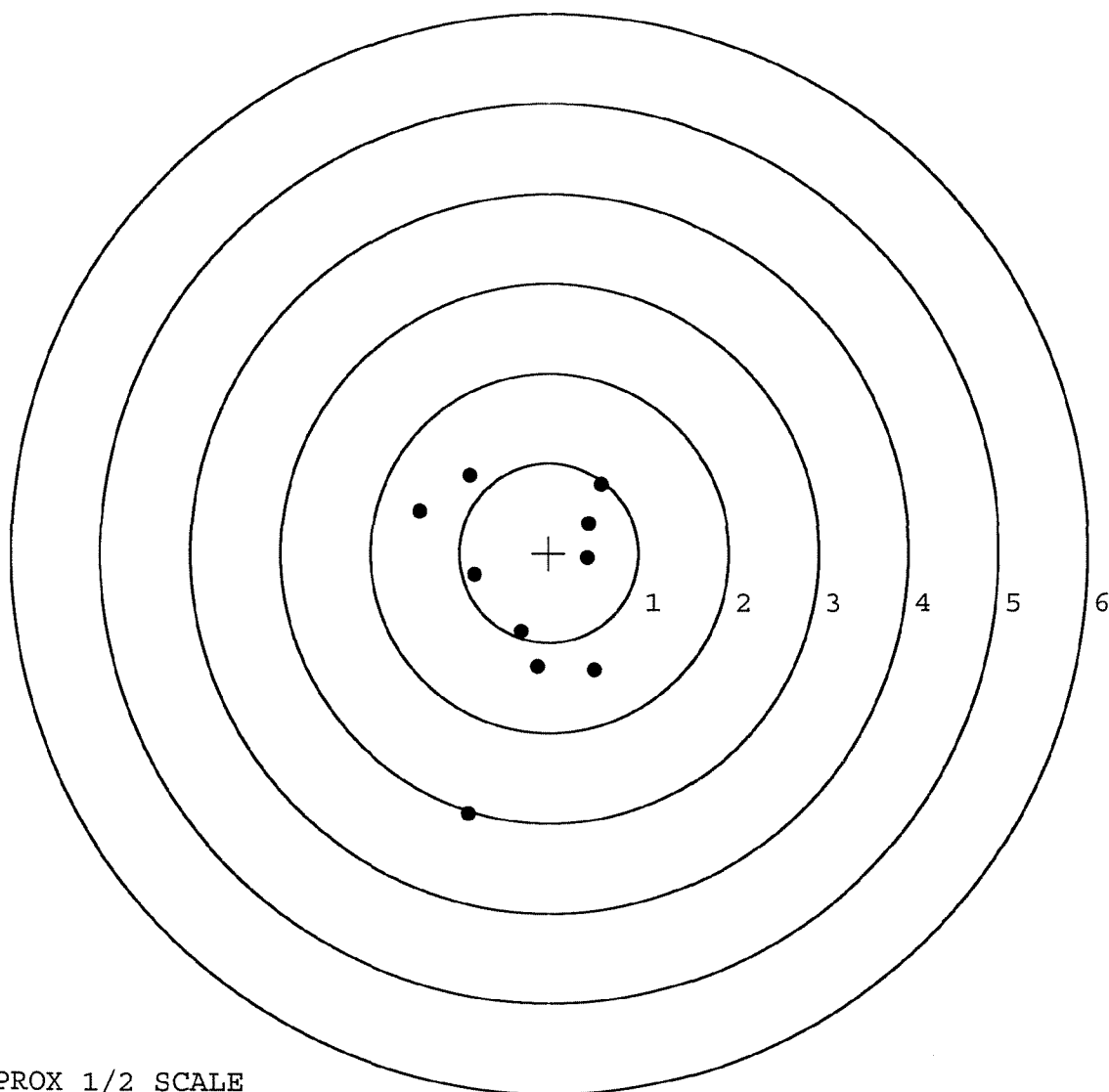
MAX RADIUS: 2.563

MEAN RADIUS: 1.186

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587568. __0

TARGET NUMBER: 5

FILE DATE: 06/17/2005

FILE TIME: 09:21

X CENTROID: -0.192

Y CENTROID: -0.149

POA TO CENTROID: 0.243

HORZ SPREAD: 1.905

VERT SPREAD: 2.583

GROUP SPREAD: 3.138

MIN RADIUS: 0.039

MAX RADIUS: 1.932

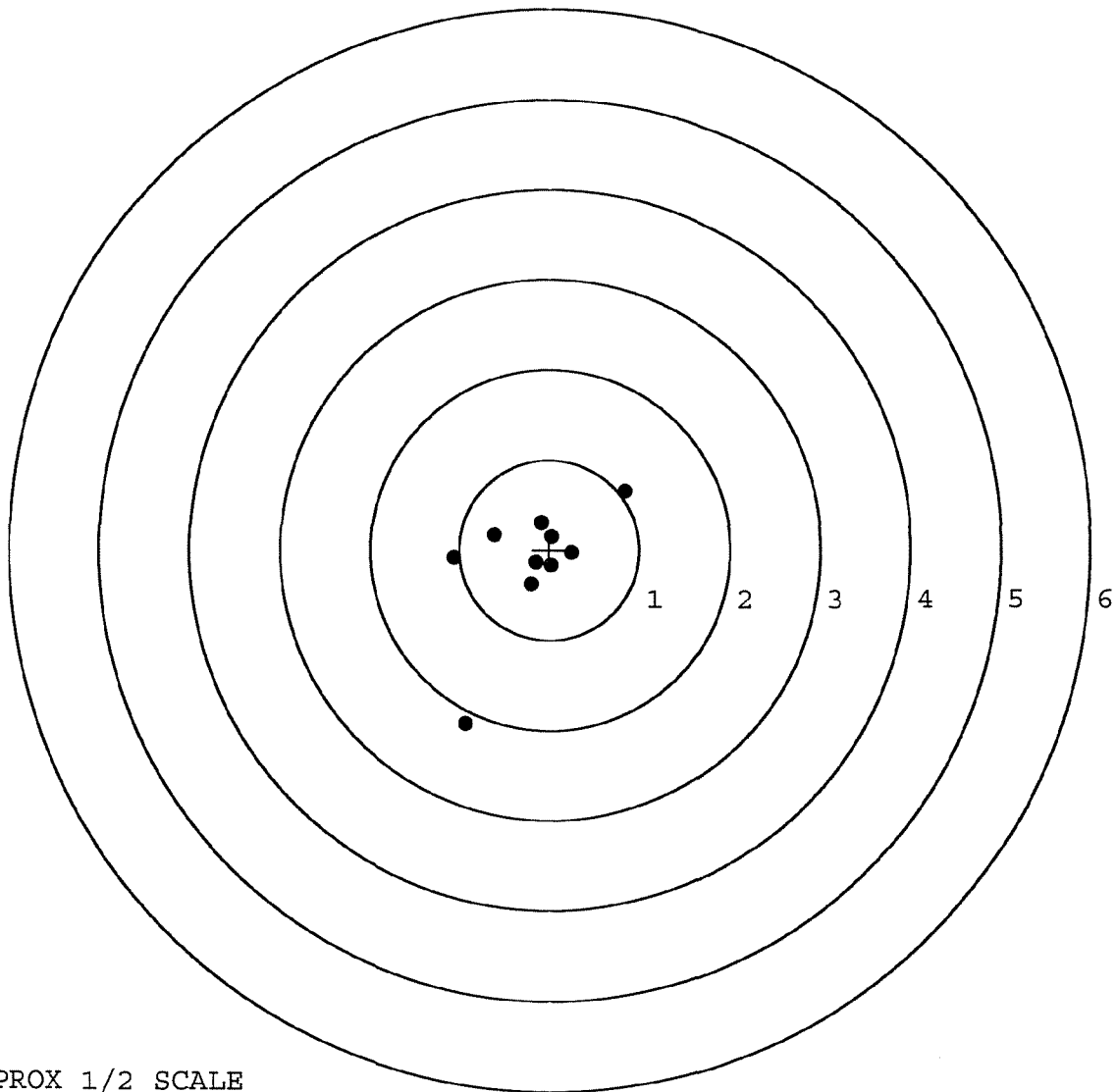
MEAN RADIUS: 0.643

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.844	0.652
2:	-0.094	0.304
3:	-0.613	0.167
4:	-1.061	-0.090
5:	0.027	0.151
6:	0.253	-0.035
7:	-0.153	-0.142
8:	0.021	-0.179
9:	-0.202	-0.387
10:	-0.938	-1.931



TARGET APPROX 1/2 SCALE

R & E NUMBER	92954		
SERIAL NUMBER	C6587568		
LOG-IN DATE	2-10-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	4-26-05	RTZ
560 A	RE-BARREL	5-3-05	RTZ
B	DRILL AND TAP	5-5-05	TRW
575	ASSEMBLE	5-3-05	RTZ
600	PROOF	5-4-05	AC
605	CHECK HEADSPACE	5-4-05	AC
610	DIS-ASSEMBLE GUN	5-6-05	RTZ
612	MAGNAFLUX		
615	ROLLMARK CALIBER	5-9-05	CW
618	ROTO-BLAST	5-9-05	LB
620	APPLY COATINGS	5-16-05	RTZ
625 A	FINAL ASSEMBLY	6-16-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	6-28-05	AC
D	SAFETY "OFF" FORCE	6-28-05	AC
E	FIRING PIN INDENT	6-28-05	AC
640	TARGET	6-17-05	AC
655	FINAL INSPECT	6-28-05	AC
660	PACK	7-7-05	RTZ
		SHIP DATE	
		QAR INSPECTION DATE	

Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700™ M24

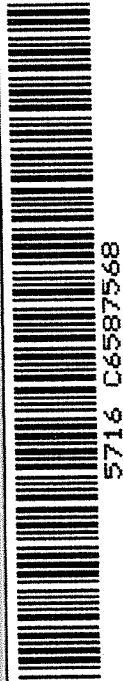
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO.
C6587568

ORDER NO.
5716

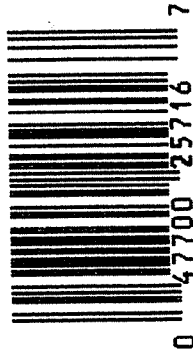
20

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



5716 C6587568

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 65875 ⁶⁸

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/31/90	Kd
600	Proof		10/31/90	Kd
607	Check Headspace		10/31/90	Kd
610	Dis-assemble Gun		10/31/90	Kd
612	Magnaflux Barrel Action		10/30/90	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	GS
617	Drill and Tap Sight Holes		10/30/90	GS
618	Polish Barrel		11/15/90	WB
620	Apply Coatings (Barrel Action)		11/15/90	WB
	Apply Coating (Bolt)		11/15/90	WB
625	Final Assembly A) Clean inside of Bolt Assembly		11/31/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/31/90	KS
	C) Inspect Ejector Hole for Chamfer		11/31/90	KS
	D) Oil Firing Pin Ass'y		11/31/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		12/4/90	JS

op. #	BARBER - M24 0022885 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			12/4/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			12/4/90	WB
	H) Trigger Pull Test & Retainability						12/4/90	W
	I) Firing Pin Indent	.0225	.022	.0225			12/4/90	WB
	J) Assemble Stock						12/4/90	KS
	K) Assemble Swivel Studs						12-6-90	QJ
	L) Attach Front and Rear Sight Assemblies						12/4/90	KS
	M) Iron Sight Alignment						12/4/90	KS
	N) Detach Front & Rear Sights & place in numbered container						12/4/90	KS
	O) Attach Scope to Rifle						12/4/90	KS
	P) Detach & Attach Scope 20 Times						12/4/90	KS
640	Gallery Target & Test						12-5-90	AC
	A) Time						12-5-90	AC
	B) Malfunctions						12-5-90	AC
	C) Pierced Primers						12-5-90	AC
	D) Optical Clarity of Scope						12-5-90	AC
645	Inspect for Live Ammo						12-5-90	AC
655	Final Inspection							
	A) Headspace						12-6-90	QJ
	B) Trigger Pull	249	241	249	245	249	12-6-90	QJ
	C) Function						12-6-90	QJ
660	Pack						12-7-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587568

DATE 12/4/90

TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.43	2.40	2.49	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.16	2.29	2.39	2.41	
PULL #3	2.45	2.46	2.39	2.49	
PULL #4	2.22	2.41	2.46	2.45	
PULL #5	2.40	2.42	2.50	2.49	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.19		
PULL #2	3.31	3.34		
PULL #3	3.34	3.32		
PULL #4	3.42	3.33		
PULL #5	3.09	3.29		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.37		4.42
PULL #2	4.20	4.30		4.43
PULL #3	4.48	4.41		4.33
PULL #4	4.42	4.44		4.31
PULL #5	4.09	4.43		4.40
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587568
5 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.17818
1 TO	2	.169546
1 TO	3	.256564
1 TO	4	.272121
1 TO	5	.337557

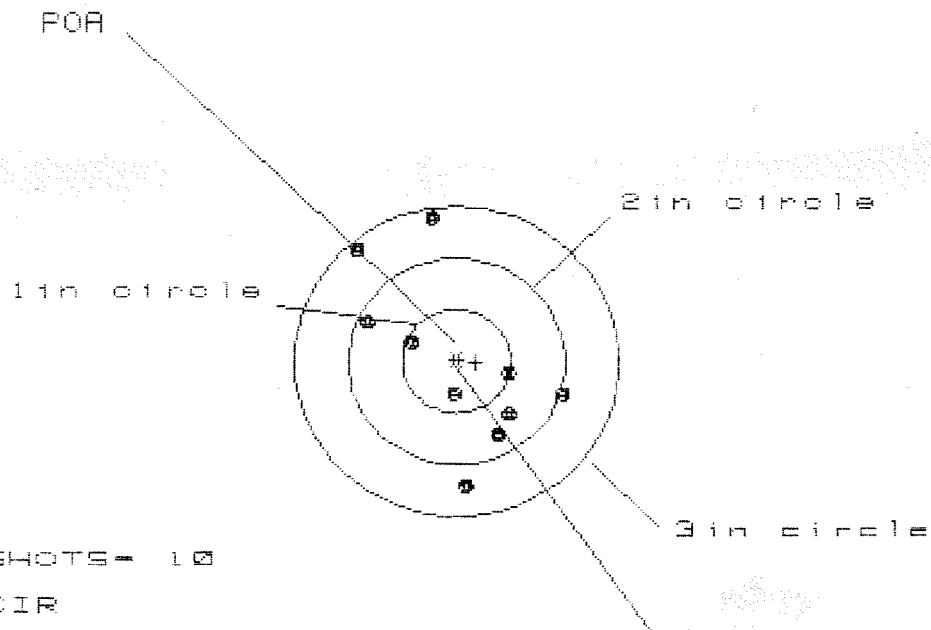
$\frac{35}{49}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1264
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0168
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .127512
THE AMR FOR THIS RIFLE IS: .9532

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587568

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS = 1.875

VS = 2.519

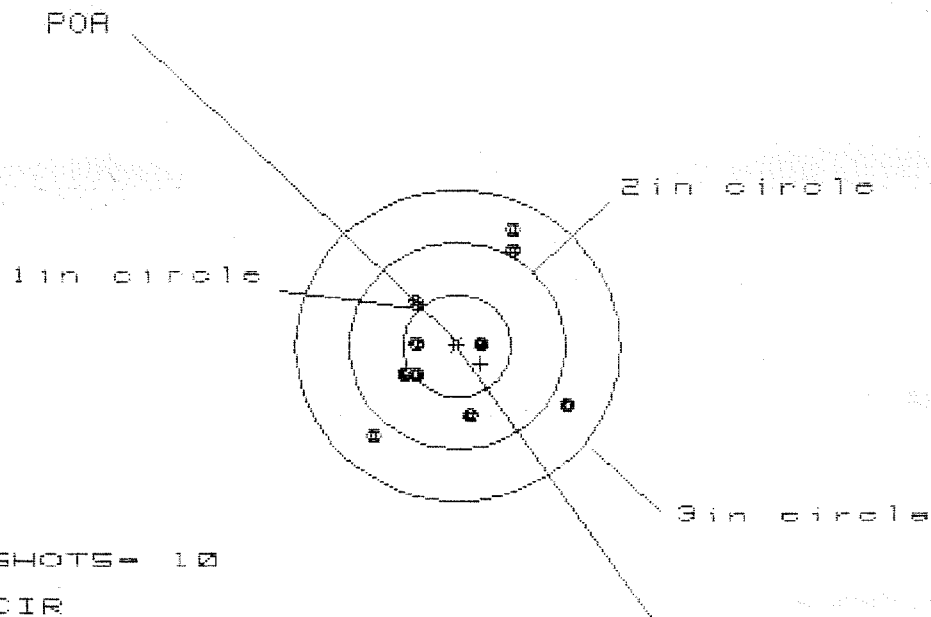
GS = 2.532

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.957	.855	.815
MINIMUM X	-.918	-.952	-.992
MAXIMUM Y	1.353	1.474	.684
MINIMUM Y	-1.166	-1.045	-.861
CENTROID X	-.178	-.076	-.036
CENTROID Y	.008	-.113	-.297
POA TO CENTROID in.	.178	.136	.299
MIN RADIUS	.263	.188	.172
MEAN RADIUS	.869	.771	.641
MAX RADIUS	1.427	1.508	1.205
HORIZONTAL SPREAD	1.875	1.807	1.807
VERTICAL SPREAD	2.519	2.519	1.545
EXTREME SPREAD	2.532	2.532	1.921
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587568

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 10

HS= 1.745

VS= 2.060

GS= 2.404

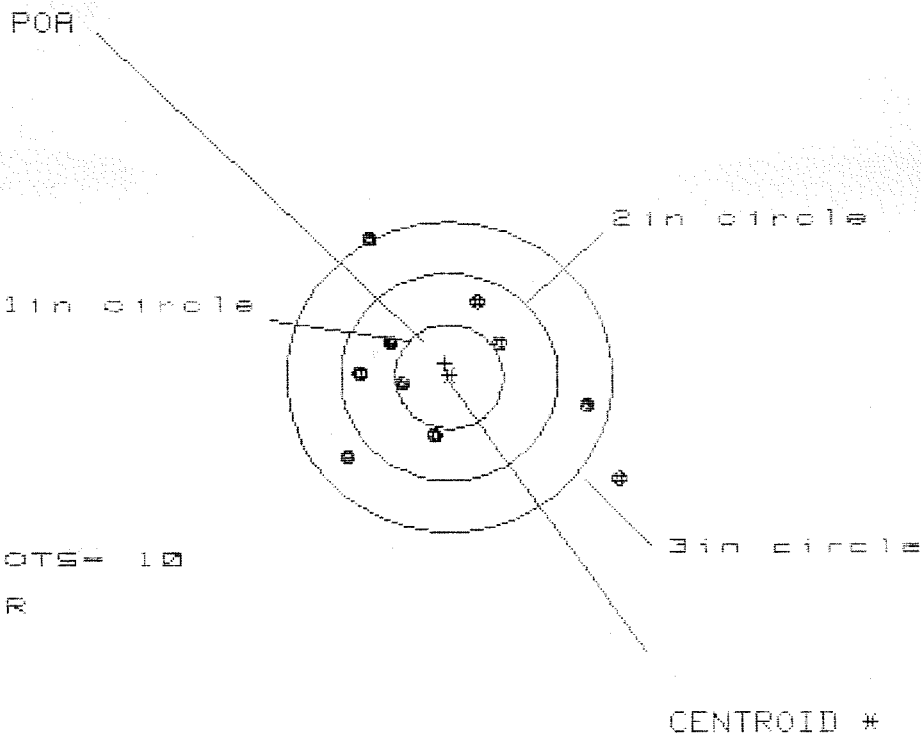
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.993	1.047	.959
MINIMUM X	:	-.752	-.698	-.472
MAXIMUM Y	:	1.176	1.070	.976
MINIMUM Y	:	-.883	-.753	-.622
CENTROID X	:	-.217	-.271	-.183
CENTROID Y	:	.173	.042	.136
POA TO CENTROID in.	:	.277	.274	.228
MIN RADIUS	:	.194	.296	.174
MEAN RADIUS	:	.754	.679	.641
MAX RADIUS	:	1.273	1.235	1.112
HORIZONTAL SPREAD	:	1.745	1.745	1.431
VERTICAL SPREAD	:	2.060	1.823	1.598
EXTREME SPREAD	:	2.404	2.247	1.753
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/08587568

CENTERFIRE PATTERNS # 3



HS = 2.540

VS = 2.357

GS = 3.318

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.600
MINIMUM X	-.940
MAXIMUM Y	1.357
MINIMUM Y	-1.000
CENTROID X	.037
CENTROID Y	-.132
POA TO CENTROID in.	.137
MIN RADIUS	.438
MEAN RADIUS	.961
MAX RADIUS	1.887
HORIZONTAL SPREAD	2.540
VERTICAL SPREAD	2.357
EXTREME SPREAD	3.318
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	8

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08507568

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 9

HS= 2.269

VS= 2.905

GS= 3.091

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.023
MINIMUM X	-1.246
MAXIMUM Y	1.721
MINIMUM Y	-1.184
CENTROID X	.051
CENTROID Y	.256
POA TO CENTROID in.	.261
MIN RADIUS	.222
MEAN RADIUS	1.115
MAX RADIUS	1.864
HORIZONTAL SPREAD	2.269
VERTICAL SPREAD	2.905
EXTREME SPREAD	3.091
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	3
NUMBER IN THREE INCH CIRCLE =	9

BARBER M24-0022932 RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-18344

INITIAL CUSTOMER ORDER NO.
FDC DAAA09-92-C-0834

W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN

Scope 89-0682

DATE RECEIVED DATE OPENED DATE CODE
06/11/94 06/11/94

SERIAL NUMBER
C6587568

NEW SERIAL NUMBER

MODEL AND GRADE
700 7.62

NATO

ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL
36201-5025

CUST NO: 098397 C.O.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

FRT

GUN CONDITION

- ☐ NEW
- ☐ LIGHTLY WORN
- ☐ WORN
- ☐ VERY WORN
- ☐ UNREPAIRABLE
- ☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

PARTS

COMMENTS

Trigger Assy

\$173.31

CTI

50.00

\$223.31

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD5925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0022932

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587568

DATE _____

TESTER PW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.61	2.34	2.82		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.61	2.21	2.86		
PULL #3	2.36	2.27	2.88		
PULL #4	2.47	2.45	2.89		
PULL #5	2.51	2.42	2.91		
TOTAL	12.56	11.69	14.36		
AVG.	2.51	2.34	2.87		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.21		
PULL #2	3.07	3.36		
PULL #3	3.02	3.32		
PULL #4	3.10	3.41		
PULL #5	3.22	3.03		
TOTAL	15.70	16.33		
AVG.	3.14	3.27		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.06		4.34
PULL #2	4.05	4.23		4.17
PULL #3	4.14	4.31		4.17
PULL #4	4.01	4.26		4.10
PULL #5	4.12	4.25		4.18
TOTAL	20.53	21.11		20.96
AVG.	4.11	4.22		4.19

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # *C6587568*

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			

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op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 ³ / ₄	5 ¹ / ₂	5 ¹ / ₂			12/14	WB
	G) Safety Off Force	2 ³ / ₄	2 ³ / ₄	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	2.74	2.79	2.83	2.67	2.59	12/14	WB
	C) Function							
660	Pack							