

C6225503

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry												
Repair Number:	RE00049186	Serial: C6225503 Model 700 Center Fire Caliber: 7.62 NATO M24 SWS	Repairman:									
Verify Repair:		Status:	Closed 7/12/02 10:32:49 AM									
Address Information												
Customer:	☒ Received From	Return To:	☒ Received From									
Name:	JOINT TRANSPORT DIV		JOINT TRANSPORT DIV									
Address 1:	ATTN ATZH JTM M		ATTN ATZH JTM M									
Address 2:	BOX 339500 MS 53	P.O. Box:	BOX 339500 MS 53 P.O. Box:									
City:	FORT LEWIS		FORT LEWIS									
State:	WA Zip Code:	98433 Country:	US State: WA Zip Code: 98433 Country: US									
FFL ☐ ☐ ☐ ☐ ☐												
Contact / Condition		Problems	Estimate									
Contact Information		Received Condition										
Phone:		Fair:										
Fax:		Condition Notes:										
Email:		CSR Notes:										
Comments:												
		Accessories Received										
		<table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Studs</td> <td>3</td> </tr> <tr> <td>X001</td> <td>Fr. & Rear Bases</td> <td>2</td> </tr> </tbody> </table>		Code	Description	Qty	A007	With Studs	3	X001	Fr. & Rear Bases	2
Code	Description	Qty										
A007	With Studs	3										
X001	Fr. & Rear Bases	2										
Repair Search		Refresh	Close									

naglej | 7/12/02 | 11:05 AM | E4P5 | NUM | INS | SCRL

Start | [Icons] | 11:05 AM

Serial Number:

C6225503

Model: 700



RE00049186

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225503.___0

FILE DATE AND TIME: 08/06/2002 13:52

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

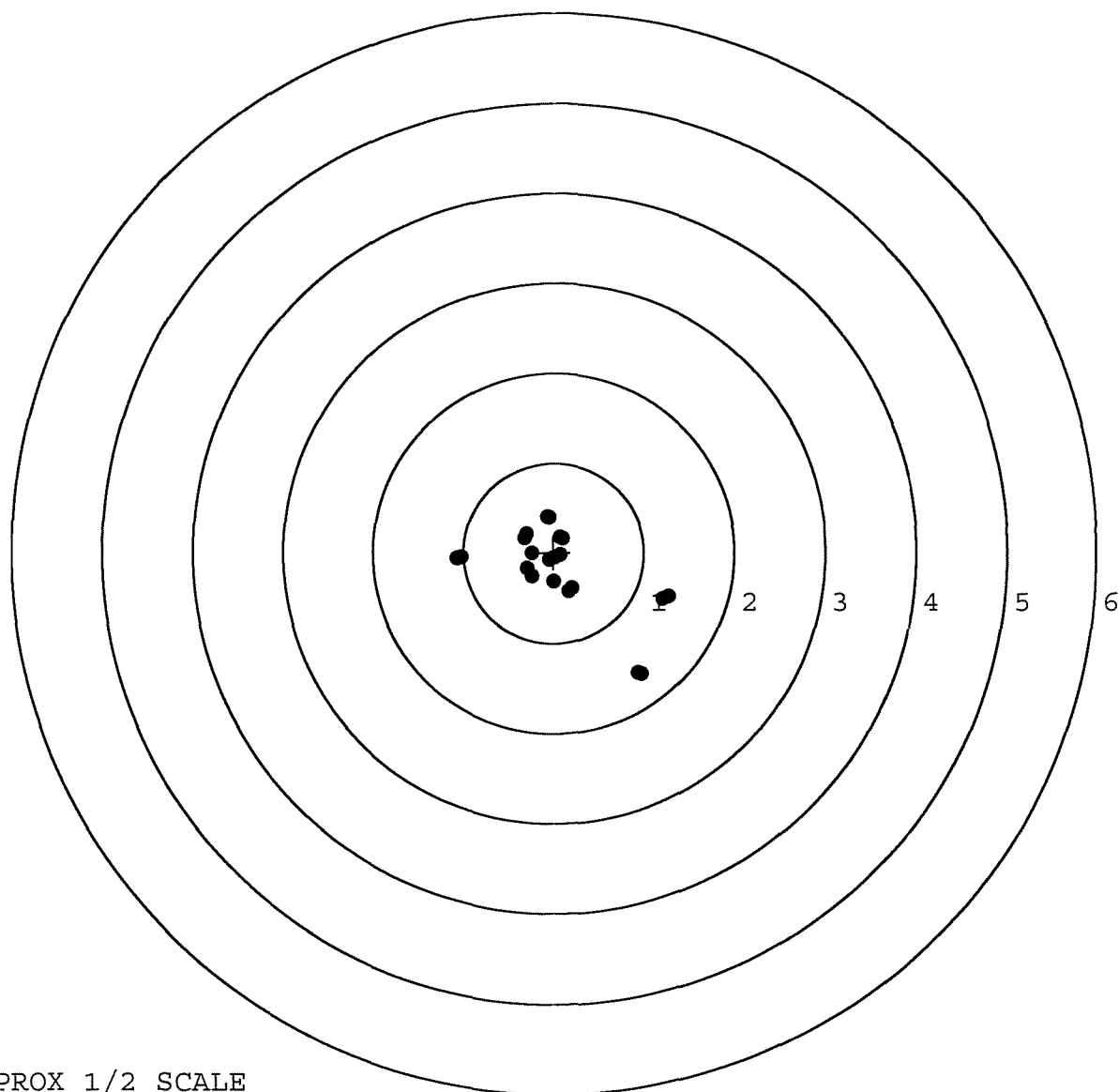
The Average X Centroid of the Five Target Set:	-0.053
The Average Y Centroid of the Five Target Set:	-0.072
The Average Point of Impact of the Five Target Set:	0.089
The Average Mean Radius of the Five Target Set:	0.510
The Distance from POA to Centroid Target #1:	0.206
The Distance from Centroid Target #2 to Centroid Target #1:	0.287
The Distance from Centroid Target #3 to Centroid Target #1:	0.321
The Distance from Centroid Target #4 to Centroid Target #1:	0.133
The Distance from Centroid Target #5 to Centroid Target #1:	0.178

SERIAL NUMBER: C6225503. 0
 TARGET NUMBER: 1
 FILE DATE: 08/06/2002
 FILE TIME: 13:52

X CENTROID: 0.065
 Y CENTROID: -0.195
 POA TO CENTROID: 0.206
 HORZ SPREAD: 2.347
 VERT SPREAD: 1.737
 GROUP SPREAD: 2.411
 MIN RADIUS: 0.141
 MAX RADIUS: 1.465
 MEAN RADIUS: 0.606
 # IN 1 IN DIAMETER: 11
 # IN 2 IN DIAMETER: 15
 # in 3 IN DIAMETER: 21

POINT#	X	Y
1:	-0.937	-1.331
2:	1.275	-0.493
3:	0.172	-0.431
4:	-1.022	-0.058
5:	-0.079	0.395
6:	0.078	0.173
7:	-0.301	0.208
8:	-0.243	-0.008
9:	-0.243	-0.265
10:	-0.047	-0.082
11:	0.017	-0.059
12:	1.210	-0.514
13:	0.976	-1.342
14:	-1.072	-0.070

POINT#	X	Y
15:	0.203	-0.399
16:	-0.060	0.389
17:	0.106	0.154
18:	-0.321	0.165
19:	-0.299	-0.175
20:	0.076	-0.031
21:	0.003	-0.322



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225503. __0

TARGET NUMBER: 2

FILE DATE: 08/06/2002

FILE TIME: 13:52

X CENTROID: -0.083

Y CENTROID: 0.051

POA TO CENTROID: 0.097

HORZ SPREAD: 1.322

VERT SPREAD: 0.968

GROUP SPREAD: 1.520

MIN RADIUS: 0.126

MAX RADIUS: 0.849

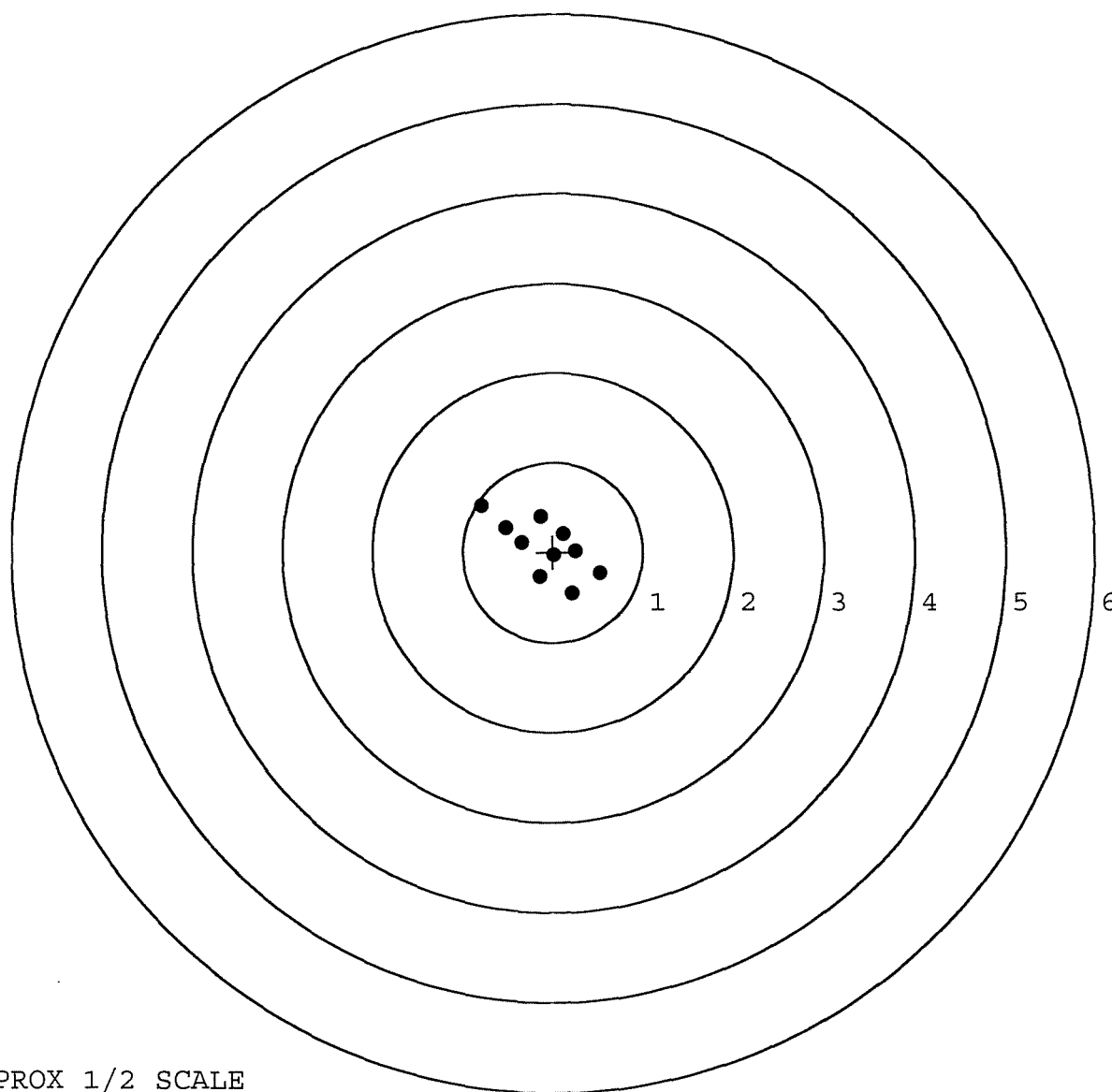
MEAN RADIUS: 0.428

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.794	0.514
2:	0.528	-0.237
3:	0.216	-0.454
4:	0.252	0.010
5:	-0.140	-0.278
6:	0.115	0.204
7:	-0.351	0.111
8:	-0.525	0.271
9:	-0.142	0.399
10:	0.010	-0.034

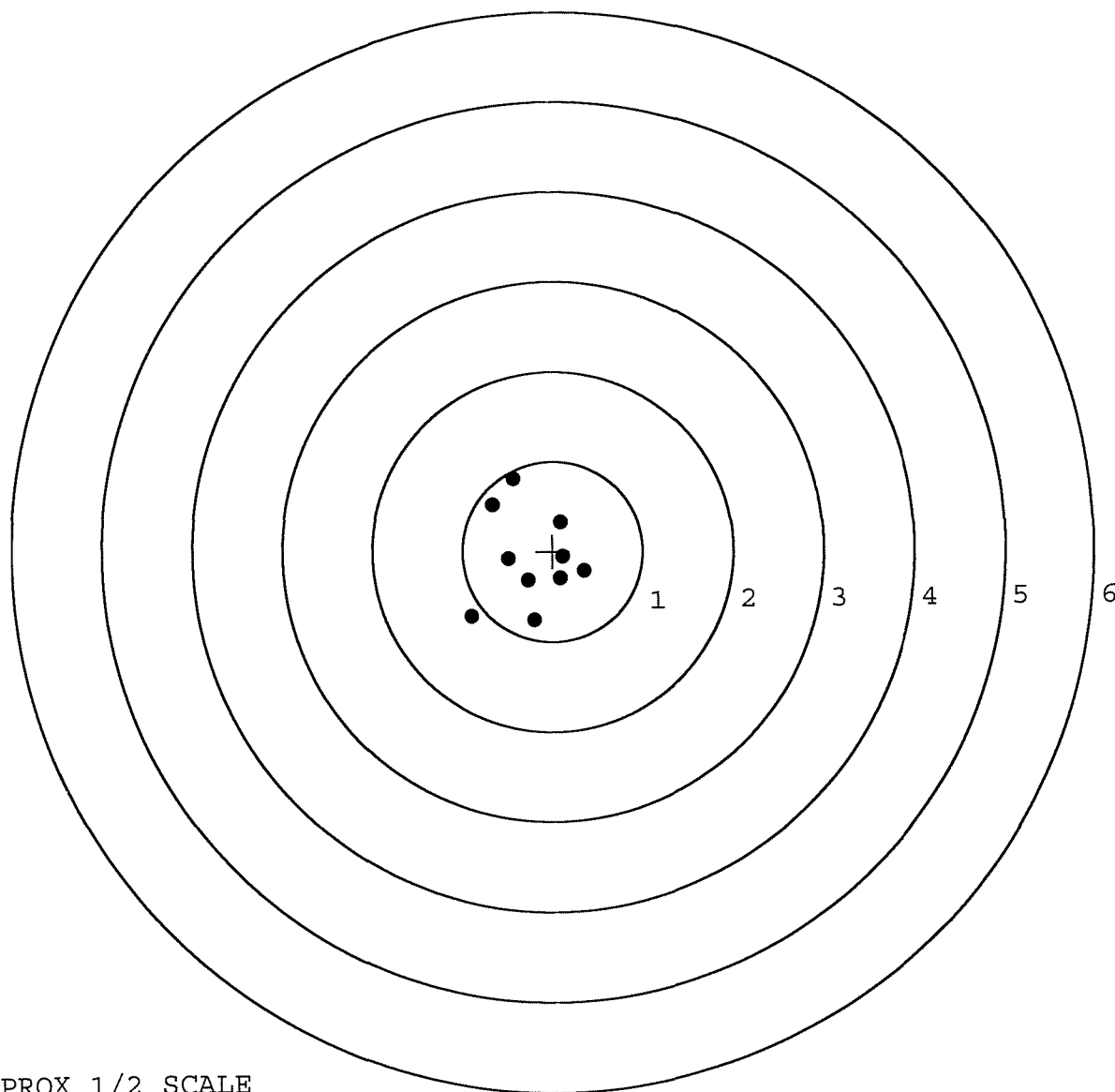


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225503. __0
 TARGET NUMBER: 3
 FILE DATE: 08/06/2002
 FILE TIME: 13:52

X CENTROID: -0.235
 Y CENTROID: -0.081
 POA TO CENTROID: 0.249
 HORZ SPREAD: 1.258
 VERT SPREAD: 1.575
 GROUP SPREAD: 1.601
 MIN RADIUS: 0.244
 MAX RADIUS: 0.925
 MEAN RADIUS: 0.563
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.213	-0.763
2:	-0.906	-0.718
3:	-0.658	0.523
4:	-0.436	0.812
5:	-0.496	-0.080
6:	0.087	0.326
7:	0.352	-0.224
8:	0.110	-0.062
9:	-0.278	-0.322
10:	0.085	-0.306



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225503. __0

TARGET NUMBER: 4

FILE DATE: 08/06/2002

FILE TIME: 13:52

X CENTROID: 0.053

Y CENTROID: -0.063

POA TO CENTROID: 0.082

HORZ SPREAD: 1.110

VERT SPREAD: 0.952

GROUP SPREAD: 1.158

MIN RADIUS: 0.080

MAX RADIUS: 0.693

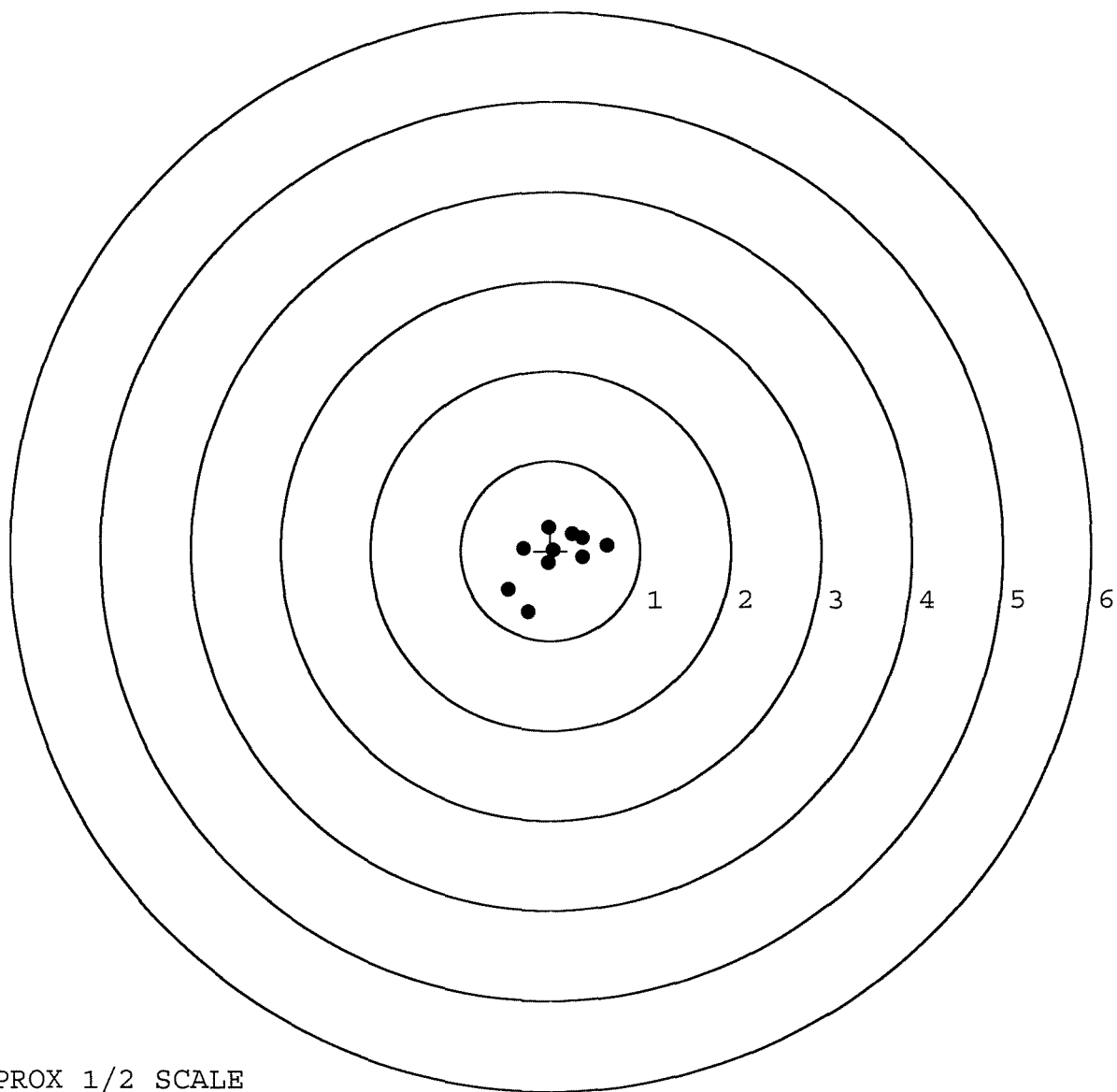
MEAN RADIUS: 0.382

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.249	-0.686
2:	-0.478	-0.437
3:	-0.304	0.030
4:	-0.032	-0.134
5:	0.027	0.013
6:	-0.023	0.266
7:	0.243	0.190
8:	0.632	0.065
9:	0.357	-0.078
10:	0.360	0.143

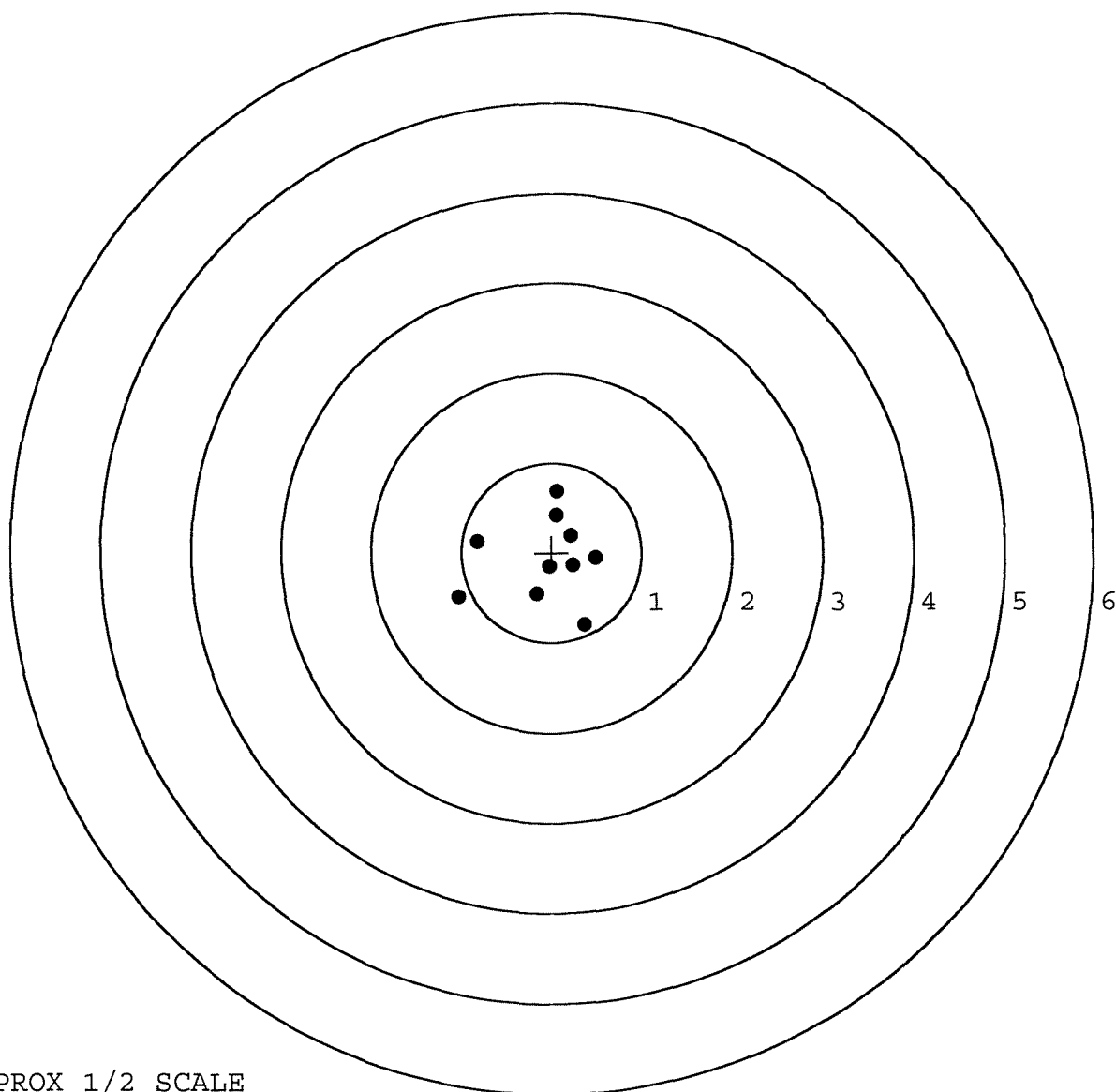


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225503. 0
 TARGET NUMBER: 5
 FILE DATE: 08/06/2002
 FILE TIME: 13:52

X CENTROID: -0.064
 Y CENTROID: -0.072
 POA TO CENTROID: 0.096
 HORZ SPREAD: 1.528
 VERT SPREAD: 1.491
 GROUP SPREAD: 1.609
 MIN RADIUS: 0.093
 MAX RADIUS: 1.062
 MEAN RADIUS: 0.571
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.372	-0.810
2:	-1.037	-0.498
3:	-0.823	0.124
4:	-0.172	-0.462
5:	-0.028	-0.158
6:	0.058	0.681
7:	0.048	0.417
8:	0.215	0.192
9:	0.491	-0.061
10:	0.236	-0.145



TARGET APPROX 1/2 SCALE

Final Inspection

Sr: C6225503 DATE REC'D: 7/12/02 DATE RET'D: 8/6/02
 Auditor: RL

Item:

Barrel Assy.

- ☒ BARREL
- ☒ RECEIVER
- ☒ FRONT SIGHT BLOCK
- ☒ REAR SIGHT BLOCK
- ☒ SCREWS
- ☒ FINISH

Scope Assy.

- ☒ Scope
- ☒ Scope Rings
- ☒ MOUNTING SCREWS
- ☒ MOUNTING BASE
- ☒ SCREWS
- ☒ FINISH
- ☒ LOOSENESS
- ☒ CLARITY

Misc.

- ☒ DD-250
- ☒ BAR CODE
- ☒ PACKAGING

Item:

Stock Assy.

- ☒ STOCK
- ☒ SLING SWIVEL STUDS
- ☒ ADJUSTABLE BUTT PLATE
- ☒ LOCK NUTS
- ☒ BARREL CLEARANCE
- ☒ COLOR/FINISH

Systems Case

- ☒ Scope Case
- ☒ IRON SIGHTS
- ☒ Deployment Kit

Trigger

- ☒ SAFETY OPERATION
- ☒ SET
- ☐

Comments: _____

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER	49186		
SERIAL NUMBER	C622, 5503		
LOG-IN DATE	7/11/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7/16/02	RL
560 A	RE-BARREL	7/16/02	DA
B	DRILL AND TAP	7-17-02	Ac
575	ASSEMBLE	7/19/02	RL
600	PROOF	7-20-02	Ac
605	CHECK HEADSPACE	7/22/02	RL
610	DIS-ASSEMBLE GUN	7/22/02	RL
612	MAGNAFLUX	MAGNA-FLUX INSPECTED	
615	ROLLMARK CALIBER	JUL 23 2002 7/23/02	TRW
618	ROTO-BLAST	7/25/02	KO
620	APPLY COATINGS	7-26	TH
625 A	FINAL ASSEMBLY	8-2-02	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	8-5-02	TRW
655	FINAL INSPECT	8/6/02	RL
660	PACK	8/6/02	DA
		SHIP DATE	
	QAR INSPECTION DATE		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225503

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 4	89	RW
600	Proof	4 4	89	RW
607	Check Headspace	4 4	89	RW
610	Dis-assemble Gun	4 4	89	RW
612	Magnaflux Barrel Action	4-6	89	KCR
	Magnaflux Bolt	4-7	89	KCR
615	Rollmark Caliber	4-7	89	G.S.
617	Drill and Tap Sight Holes	4 7	89	YB
618	Polish Barrel	4 7	89	BT
620	Apply Coatings (Barrel Action)		4/19/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/24/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/24/89	RW
	C) Inspect Ejector Hole for Chamfer		4/24/89	RW
	D) Oil Firing Pin Ass'y		4/24/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/26/89	GS.

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7			4/26/89	gll
	G) Safety Off Force	3	3	3			4/26/89	gll
	H) Trigger Pull Test & Retainability						4/24/89	S.S.
	I) Firing Pin Indent	.020	.020	.020			4/24/89	gll
	J) Assemble Stock						5/1/89	RW
	K) Assemble Swivel Studs						16 May 89	gll
	L) Attach Front and Rear Sight Assemblies						5/1/89	RW
	M) Iron Sight Alignment						5/1/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/1/89	RW
	O) Attach Scope to Rifle						5/1/89	gll
	P) Detach & Attach Scope 20 Times						5/2/89	gll
640	Gallery Target & Test	61 R	92 L				5/3/89	DH
	A) Time						5/3/89	DH
	B) Malfunctions						5/3/89	DH
	C) Pierced Primers						5/3/89	DH
	D) Optical Clarity of Scope						5/3/89	DH
645	Inspect for Live Ammo						5/3/89	DH
655	Final Inspection							
	A) Headspace						16 May 89	gll
	B) Trigger Pull	2.49	2.82	2.78	2.86	2.84	16 May 89	gll
	C) Function						16 May 89	gll
660	Pack						27 June 89	gll

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6225503DATE 26 April 89TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.66	2.80	2.49	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.67	2.66	2.82	
PULL #3	2.46	2.64	2.50	2.78	
PULL #4	2.49	2.57	2.63	2.86	
PULL #5	2.38	2.56	2.75	2.84	
TOTAL	12.17	13.10	13.34	13.79	
AVG.	2.434	2.62	2.668	2.758	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.69		
PULL #2	3.46	3.65		
PULL #3	3.63	3.72		
PULL #4	3.68	3.71		
PULL #5	3.61	3.70		
TOTAL	17.88	18.47		
AVG.	3.576	3.694		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.01	3.90		4.20
PULL #2	3.94	4.09		4.07
PULL #3	3.94	3.98		4.02
PULL #4	4.04	4.04		4.15
PULL #5	4.04	3.93		4.16
TOTAL	19.97	19.94		20.60
AVG.	3.994	3.988		4.12

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225503
3 May 1989

CENTROIDAL DISTANCES

0 TO	1	.71129
1 TO	2	.374525
1 TO	3	.631476
1 TO	4	.775539
1 TO	5	.280794

WPA1 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2904
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0966
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .306045

THE AMR FOR THIS RIFLE IS: 1.12

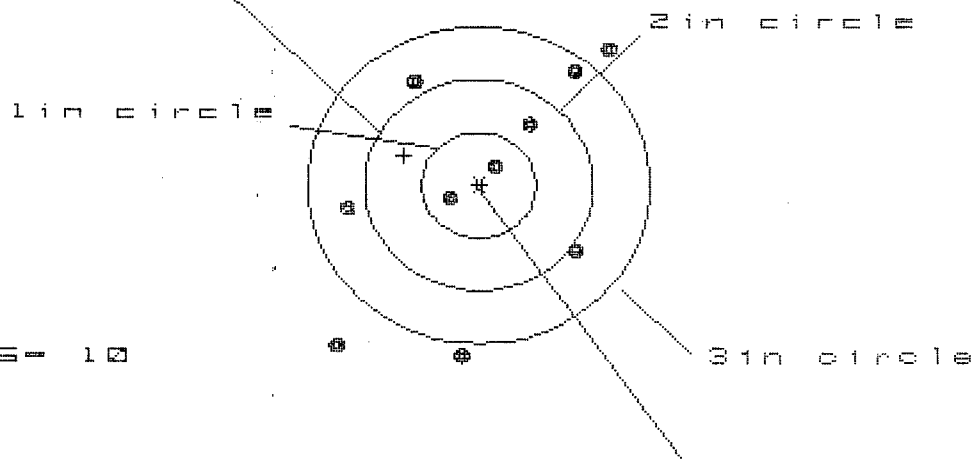
3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225503

CENTERFIRE PATTERNS

1

POA



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 3

3 in = 7

HS= 2.381

VS= 2.933

GS= 3.700

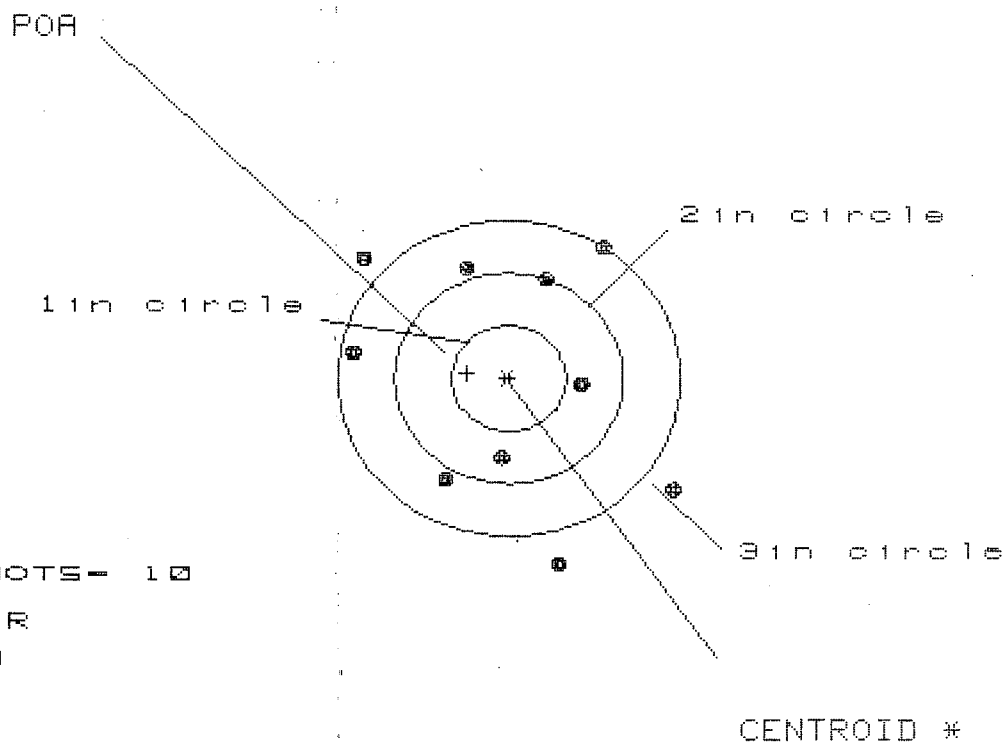
CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.156	1.020	.806
MINIMUM X	-1.225	-1.291	-1.164
MAXIMUM Y	1.325	1.157	1.019
MINIMUM Y	-1.608	-1.776	-1.631
CENTROID X	.653	.789	.662
CENTROID Y	-.282	-.114	-.259
POA TO CENTROID in.	.711	.798	.711
MIN RADIUS	.209	.010	.187
MEAN RADIUS	1.127	1.000	.943
MAX RADIUS	1.942	1.807	1.644
HORIZONTAL SPREAD	2.381	2.311	1.970
VERTICAL SPREAD	2.933	2.933	2.650
EXTREME SPREAD	3.700	3.231	2.837
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225503

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 2

3 in - 7

HS= 2.776

VS= 2.975

GS= 3.401

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.403	1.455	1.027
MINIMUM X	:	-1.372	-1.321	-1.139
MAXIMUM Y	:	1.224	1.030	.873
MINIMUM Y	:	-1.751	-1.252	-1.350
CENTROID X	:	.363	.312	.130
CENTROID Y	:	-.045	.149	.306
POA TO CENTROID in.	:	.366	.346	.333
MIN RADIUS	:	.596	.686	.672
MEAN RADIUS	:	1.268	1.192	1.082
MAX RADIUS	:	1.811	1.920	1.390
HORIZONTAL SPREAD	:	2.776	2.776	2.166
VERTICAL SPREAD	:	2.975	2.282	2.223
EXTREME SPREAD	:	3.401	3.401	2.604
NUMBER IN ONE INCH CIRCLE	=	1	0	
NUMBER IN TWO INCH CIRCLE	=	2	2	
NUMBER IN THREE INCH CIRCLE	=	7	7	

3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225583

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 2

3 in = 10

HS= 2.556

VS= 2.407

GS= 2.691

CENTROID *

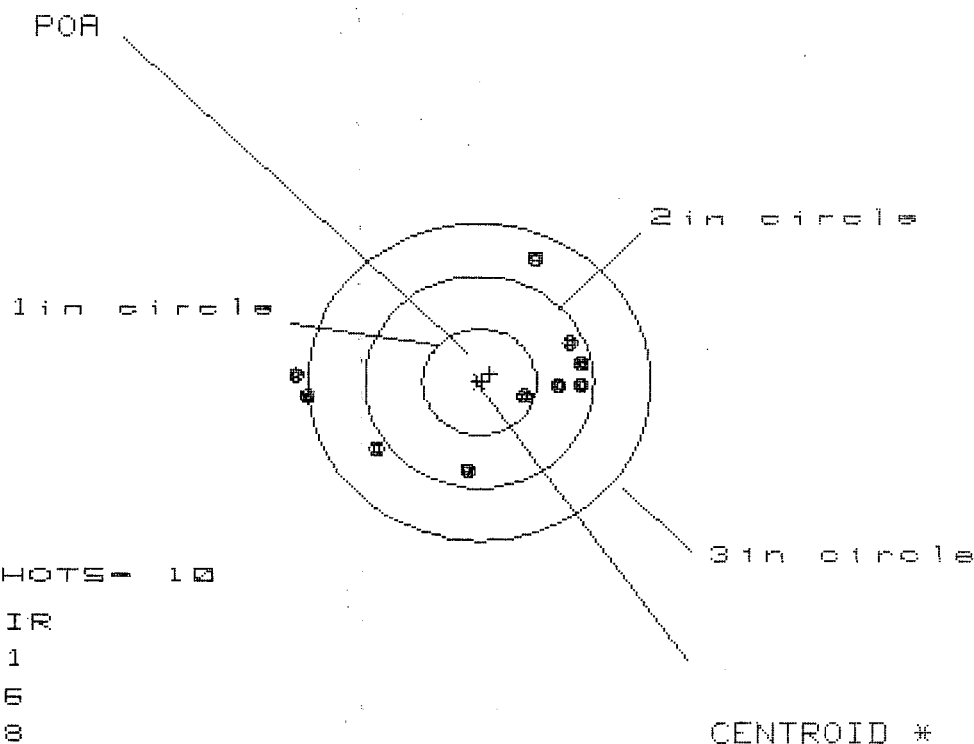
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.470	1.181	1.097
MINIMUM X	:	-1.086	-.923	-1.007
MAXIMUM Y	:	1.200	1.221	1.072
MINIMUM Y	:	-1.207	-1.186	-.916
CENTROID X	:	.114	-.049	.035
CENTROID Y	:	.047	.026	.175
POA TO CENTROID in.	:	.123	.056	.178
MIN RADIUS	:	.654	.721	.804
MEAN RADIUS	:	1.129	1.078	1.040
MAX RADIUS	:	1.481	1.363	1.242
HORIZONTAL SPREAD	:	2.556	2.104	2.104
VERTICAL SPREAD	:	2.407	2.407	1.988
EXTREME SPREAD	:	2.691	2.665	2.314
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		10	

3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225583

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 2.589

VS= 1.997

GS= 2.596

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.940	.757	.544
MINIMUM X	:	-1.649	-1.705	-1.349
MAXIMUM Y	:	1.155	1.167	1.155
MINIMUM Y	:	-.843	-.830	-.843
CENTROID X	:	-.093	.090	.303
CENTROID Y	:	-.070	-.083	-.071
POA TO CENTROID in.:	:	.117	.123	.311
MIN RADIUS	:	.448	.274	.146
MEAN RADIUS	:	1.023	.890	.700
MAX RADIUS	:	1.653	1.708	1.475
HORIZONTAL SPREAD	:	2.589	2.462	1.893
VERTICAL SPREAD	:	1.997	1.997	1.997
EXTREME SPREAD	:	2.596	2.462	2.274
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225503

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 3.173

VS= 2.653

GS= 3.260

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.796
MINIMUM X	-1.377
MAXIMUM Y	1.229
MINIMUM Y	-1.424
CENTROID X	.415
CENTROID Y	-.133
POA TO CENTROID in.	.436
MIN RADIUS	.175
MEAN RADIUS	1.053
MAX RADIUS	1.859
HORIZONTAL SPREAD	3.173
VERTICAL SPREAD	2.653
EXTREME SPREAD	3.260
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	7

Remington®



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

MODEL 700™ M24

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



5716 C6225503

SERIAL NO.
C6225503

ORDER NO.
5716

01

UPC



0 47700 25716 7