

C6587525

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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

MODEL 700™ H24

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

20

SERIAL NO.
C6587525

ORDER NO.
5716

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



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587525

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		1-7-91	KR
615	Rollmark Caliber		1-7-91	GL
617	Drill and Tap Sight Holes	1 10	91	WB
618	Polish Barrel	1 10	91	WB
620	Apply Coatings (Barrel Action)		1-26-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/10/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/10/91	RW
	C) Inspect Ejector Hole for Chamfer		4/10/91	RW
	D) Oil Firing Pin Ass'y		4/10/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/24/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4/24/91	JP
	G) Safety Off Force	4	3	4			4/24/91	JP
	H) Trigger Pull Test & Retainability						4/24/91	JP
	I) Firing Pin Indent	.023	.023	.023			4/24/91	JP
	J) Assemble Stock						4/25/91	RW
	K) Assemble Swivel Studs						5-11-91	D/H
	L) Attach Front and Rear Sight Assemblies						4/25/91	RW
	M) Iron Sight Alignment						4/25/91	RW
	N) Detach Front & Rear Sights & place in numbered container						4/25/91	RW
	O) Attach Scope to Rifle						4/25/91	RW
	P) Detach & Attach Scope 20 Times						4/25/91	RW
640	Gallery Target & Test						4/26/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						4/24/91	KT
655	Final Inspection							
	A) Headspace						5-11-91	D/H
	B) Trigger Pull	2.44	2.43	2.47	2.46	2.50	5/11/91	JP
	C) Function						5-11-91	D/H
660	Pack						6-18-91	RW

SWS TRIGGER PULL TEST

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

SERIAL NO. C6587525
DATE 4/24/91
TESTER JPL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.56	2.37	2.30	2.44	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.56	2.32	2.38	2.43	
PULL #3	2.45	2.34	2.36	2.47	
PULL #4	2.41	2.32	2.34	2.46	
PULL #5	2.25	2.33	2.36	2.50	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.56	3.42		
PULL #2	3.53	3.44		
PULL #3	3.56	3.39		
PULL #4	3.40	3.39		
PULL #5	3.41	3.43		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.32	4.17		4.38
PULL #2	4.29	4.37		4.36
PULL #3	4.28	4.41		4.39
PULL #4	4.20	4.37		4.38
PULL #5	4.17	4.38		4.40
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587525
26 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.179513
1 TO	2	.189621
1 TO	3	.509284
1 TO	4	.28486
1 TO	5	.130973

4.3 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0742
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0338
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0815358
THE AMR FOR THIS RIFLE IS: 1.12

26 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587525

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 8

HS= 2.779

VS= 3.713

GS= 4.104

PATTERN #

:

1

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.916

1.326

1.373

MINIMUM X

:

-.863

-.650

-.603

MAXIMUM Y

:

1.456

.749

.487

MINIMUM Y

:

-2.257

-2.096

-.921

CENTROID X

:

.040

-.173

-.220

CENTROID Y

:

-.175

-.336

-.074

POA TO CENTROID in.:

.179

.378

.232

MIN RADIUS

:

.443

.189

.323

MEAN RADIUS

:

1.108

.916

.704

MAX RADIUS

:

2.406

2.130

1.457

HORIZONTAL SPREAD

:

2.779

1.976

1.976

VERTICAL SPREAD

:

3.713

2.845

1.408

EXTREME SPREAD

:

4.104

2.998

2.426

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

6

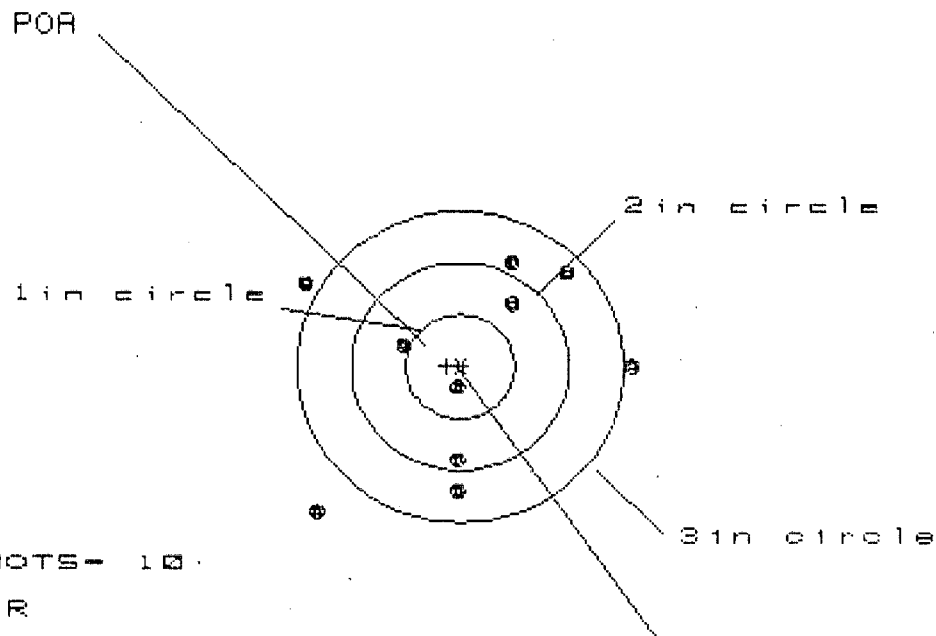
NUMBER IN THREE INCH CIRCLE =

8

26 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587525

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 1

2in = 4

3in = 7

HS = 3.010

VS = 2.350

GS = 3.250

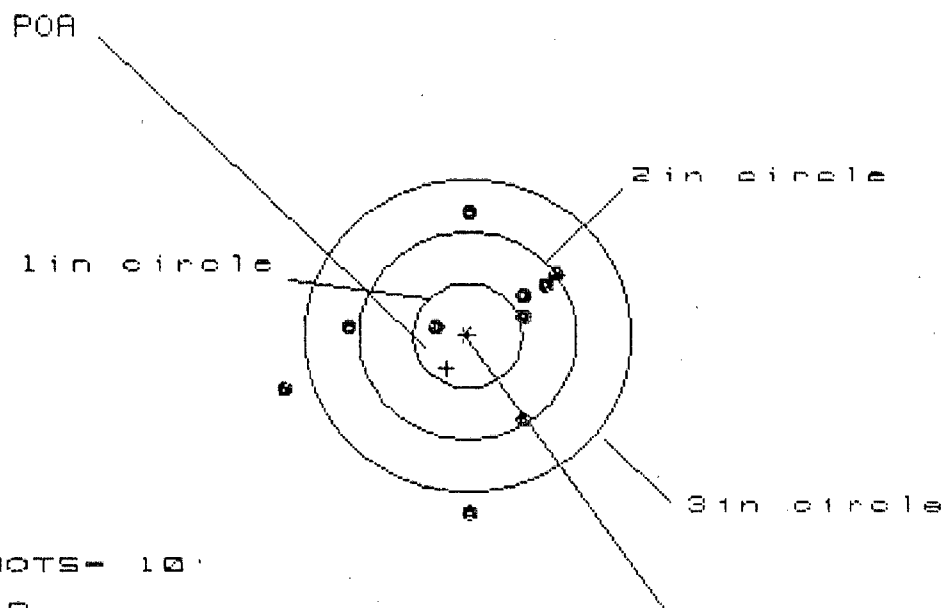
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.541	1.389	1.186
MINIMUM X	:	-1.469	-1.621	-0.865
MAXIMUM Y	:	1.000	.850	.933
MINIMUM Y	:	-1.358	-1.338	-1.255
CENTROID X	:	.124	.276	.479
CENTROID Y	:	-.005	.146	.063
POA TO CENTROID in.	:	.124	.313	.483
MIN RADIUS	:	.236	.435	.511
MEAN RADIUS	:	1.121	1.025	.932
MAX RADIUS	:	1.928	1.754	1.300
HORIZONTAL SPREAD	:	3.010	3.010	2.051
VERTICAL SPREAD	:	2.358	2.188	2.188
EXTREME SPREAD	:	3.250	3.110	2.308
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

26 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06507525

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.566

VS= 2.975

GS= 2.975

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.839	.647	.624
MINIMUM X	:	-1.727	-1.280	-1.303
MAXIMUM Y	:	1.214	1.153	.926
MINIMUM Y	:	-1.761	-1.822	-1.087
CENTROID X	:	.189	.381	.404
CENTROID Y	:	.312	.373	.600
POA TO CENTROID in.	:	.365	.533	.724
MIN RADIUS	:	.303	.361	.325
MEAN RADIUS	:	1.024	.892	.728
MAX RADIUS	:	1.813	1.831	1.318
HORIZONTAL SPREAD	:	2.566	1.927	1.927
VERTICAL SPREAD	:	2.975	2.975	2.013
EXTREME SPREAD	:	2.975	2.975	2.061
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			8	

26 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587525

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 2.370

VS= 2.352

GS= 2.687

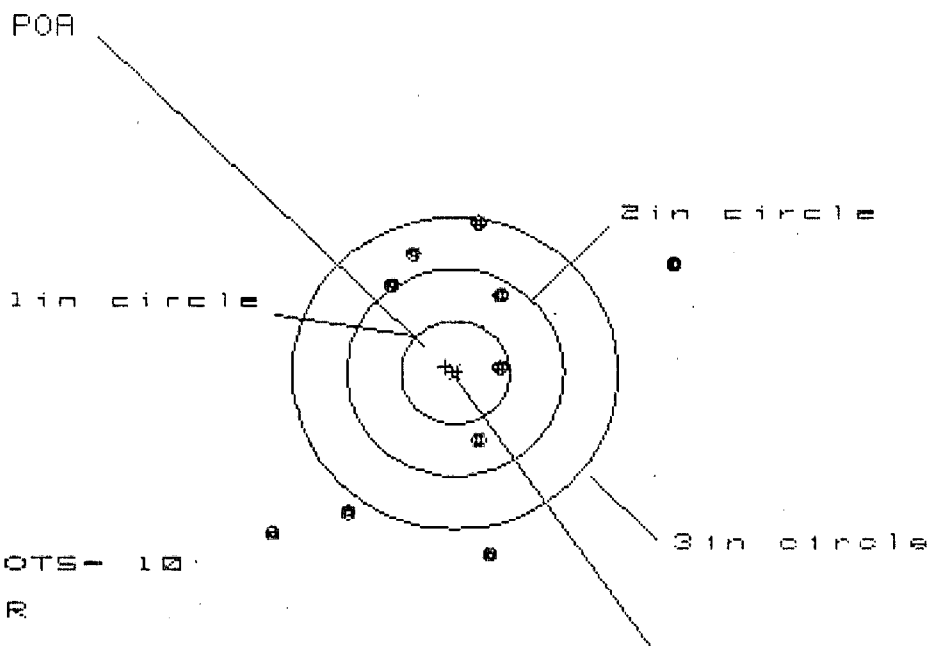
CENTROID *

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.117	1.077	.915
MINIMUM X	:	-1.253	-1.293	-1.233
MAXIMUM Y	:	.927	.769	.686
MINIMUM Y	:	-1.425	-.658	-.637
CENTROID X	:	-.067	-.027	.135
CENTROID Y	:	.089	.247	.330
POA TO CENTROID in.	:	.112	.249	.356
MIN RADIUS	:	.112	.207	.385
MEAN RADIUS	:	.958	.892	.821
MAX RADIUS	:	1.471	1.451	1.388
HORIZONTAL SPREAD	:	2.370	2.370	2.148
VERTICAL SPREAD	:	2.352	1.427	1.323
EXTREME SPREAD	:	2.687	2.611	2.368
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

26 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587525

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS= 3.701

VS= 3.250

GS= 4.533

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.057	.676	.499
MINIMUM X	:	-1.644	-1.416	-.950
MAXIMUM Y	:	1.472	1.589	1.407
MINIMUM Y	:	-1.778	-1.661	-1.843
CENTROID X	:	.085	-.143	.034
CENTROID Y	:	-.052	-.169	.013
POA TO CENTROID in.	:	.100	.221	.036
MIN RADIUS	:	.457	.685	.500
MEAN RADIUS	:	1.388	1.304	1.158
MAX RADIUS	:	2.308	2.029	1.882
HORIZONTAL SPREAD	:	3.701	2.092	1.449
VERTICAL SPREAD	:	3.250	3.250	3.250
EXTREME SPREAD	:	4.533	3.587	3.251
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	