

Smead®

C6522320

MODEL 700™ M24

Model **SMS**™

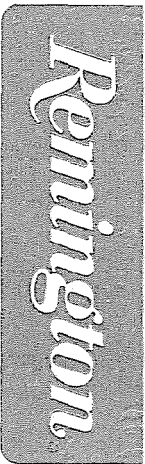
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

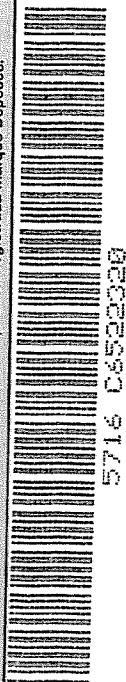
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700TM M24

SERIAL NO. C6522320

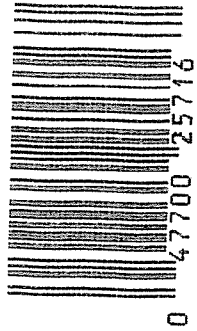
ORDER NO. 5716

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



5716 C6522320

LIPC



7



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522320

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 12 90		RW
600	Proof	7 12 90		RW
607	Check Headspace	7. 12 90		RW
610	Dis-assemble Gun	7 12 90		RW
612	Magnaflux Barrel Action		7-17-90	KR
	Magnaflux Bolt		7-17-90	KR
615	Rollmark Caliber		7-17-90	R.S.
617	Drill and Tap Sight Holes		7/23/90	LB
618	Polish Barrel RB		7/24/90	LB
620	Apply Coatings (Barrel Action)		8/6/90	JA
	Apply Coating (Bolt)		8/6/90	JA
625	Final Assembly A) Clean inside of Bolt Assembly		8/8/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/8/90	RW
	C) Inspect Ejector Hole for Chamfer		8/8/90	RW
	D) Oil Firing Pin Ass'y		8/8/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/27/90	JA

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4 1/2	4 3/4	4 1/2	8/24/90	WB		
	G) Safety Off Force	2 1/4	2 1/4	2 1/4	8/24/90	WB		
	H) Trigger Pull Test & Retainability				8/27/90	gM		
	I) Firing Pin Indent	.0235	.0235	.0235	8/24/90	WB		
	J) Assemble Stock				8/27/90	RW		
	K) Assemble Swivel Studs				10/30/90	gM		
	L) Attach Front and Rear Sight Assemblies				8/27/90	RW		
	M) Iron Sight Alignment				8/27/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				8/27/90	RW		
	O) Attach Scope to Rifle				8/27/90	RW		
	P) Detach & Attach Scope 20 Times				8/27/90	RW		
640	Gallery Target & Test				8/24/90	DH		
	A) Time				8/24/90	DH		
	B) Malfunctions				8/24/90	DH		
	C) Pierced Primers				8/24/90	DH		
	D) Optical Clarity of Scope				8/24/90	DH		
645	Inspect for Live Ammo				8/24/90	DH		
655	Final Inspection							
	A) Headspace				10/30/90	gM		
	B) Trigger Pull	272	263	274	282	274	10/30/90	gM
	C) Function						10/30/90	gM
660	Pack						12/12/90	RF

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

SERIAL NO C6522320DATE 8/25/90TESTER JLI

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.15	2.51	2.52	272	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.20	2.49	2.50	263	
PULL #3	2.50	2.48	2.36	274	
PULL #4	2.50	2.35	2.31	282	
PULL #5	2.37	2.30	2.46	274	
TOTAL	11.72	12.13	12.15		
AVG.	2.344	2.426	2.43		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.45		
PULL #2	3.28	3.44		
PULL #3	3.33	3.42		
PULL #4	3.46	3.38		
PULL #5	3.48	3.51		
TOTAL	16.97	17.20		
AVG.	3.394	3.44		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.30		4.08
PULL #2	4.16	4.25		4.17
PULL #3	4.29	4.17		4.25
PULL #4	4.18	4.28		4.28
PULL #5	4.27	4.29		4.22
TOTAL	21.04	21.29		21.00
AVG.	4.208	4.258		4.2

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522320
8 Oct 1990

CENTROIDAL DISTANCES

0 TO	1	.625902
1 TO	2	.777088
1 TO	3	.317
1 TO	4	.322758
1 TO	5	1.01757

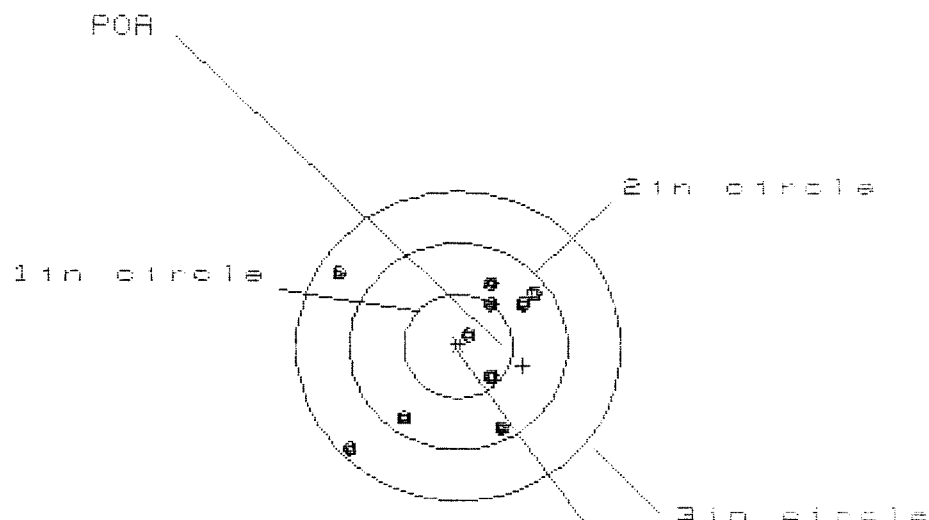
$\frac{1}{5} \sum_{i=1}^5 x_i^2$ -----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2054
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1442
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .250964
THE AMR FOR THIS RIFLE IS: .8524

8 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522328

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 1.832

VS= 1.712

GS= 2.363

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.734	.619	.467
MINIMUM X	-1.098	-1.213	-1.799
MAXIMUM Y	.638	.585	.548
MINIMUM Y	-1.014	-.913	-.848
CENTROID X	-.597	-.482	-.338
CENTROID Y	.188	.301	.228
POA TO CENTROID in.	.626	.568	.401
MIN RADIUS	.178	.047	.209
MEAN RADIUS	.790	.664	.568
MAX RADIUS	1.455	1.347	1.102
HORIZONTAL SPREAD	1.832	1.832	1.266
VERTICAL SPREAD	1.712	1.498	1.388
EXTREME SPREAD	2.363	2.083	1.788
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

8 Oct 1998

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CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.249

VS= 2.075

GS= 2.676

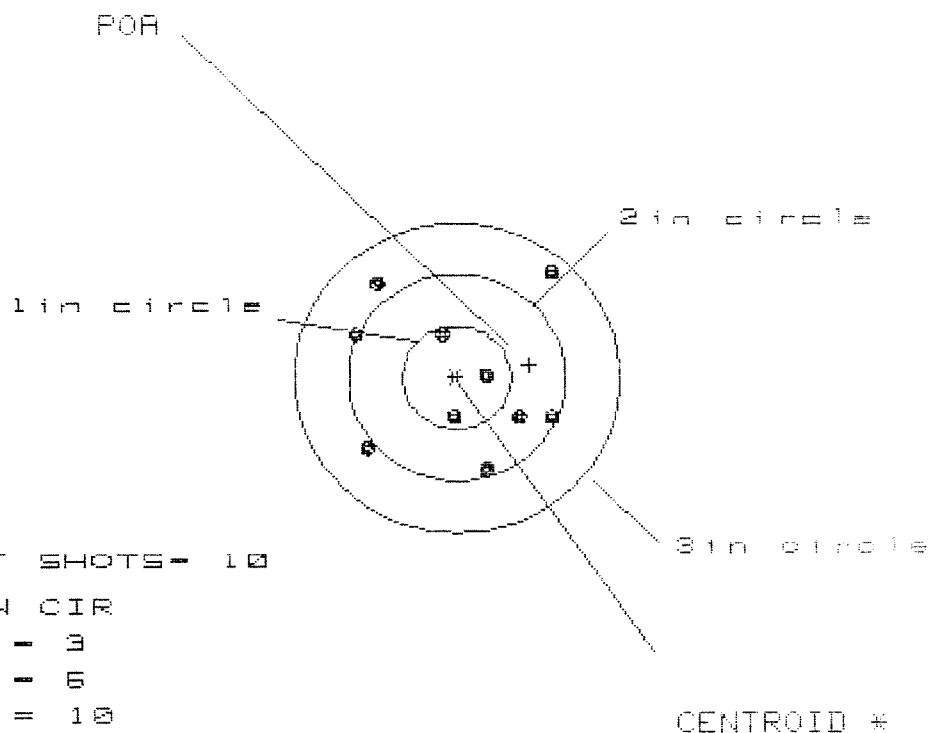
CENTROID *

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.061
MINIMUM X	:	-1.188
MAXIMUM Y	:	.647
MINIMUM Y	:	-1.428
CENTROID X	:	.148
CENTROID Y	:	-.033
POA TO CENTROID in.	:	.151
MIN RADIUS	:	.185
MEAN RADIUS	:	.825
MAX RADIUS	:	1.755
HORIZONTAL SPREAD	:	2.249
VERTICAL SPREAD	:	2.075
EXTREME SPREAD	:	2.676
NUMBER IN ONE INCH CIRCLE =	:	2
NUMBER IN TWO INCH CIRCLE =	:	7
NUMBER IN THREE INCH CIRCLE =	:	9

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 1.833

VS= 1.839

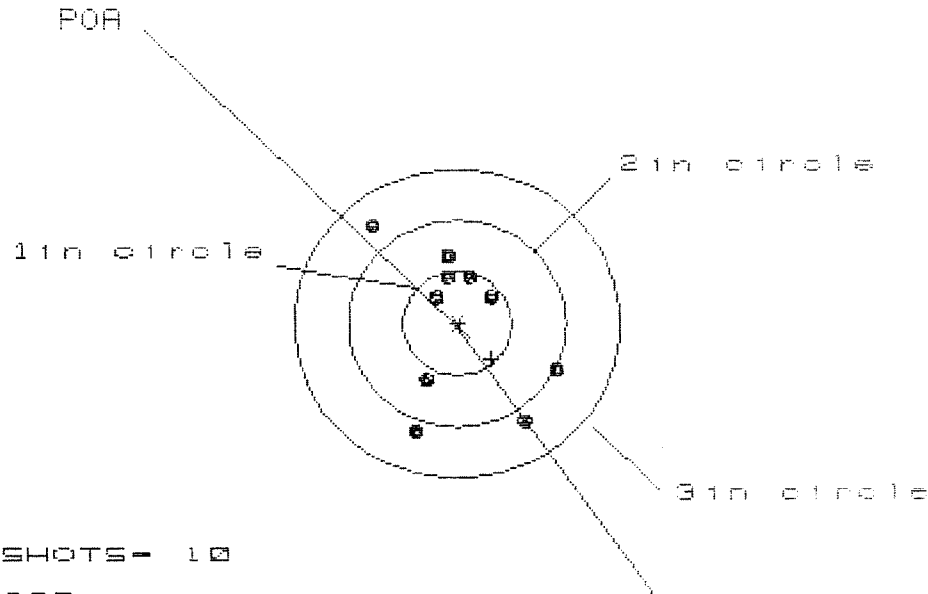
GS= 2.402

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.889	.971	.892
MINIMUM X	:	-.953	-.862	-.941
MAXIMUM Y	:	.999	1.013	.644
MINIMUM Y	:	-.840	-.729	-.682
CENTROID X	:	-.672	-.763	-.684
CENTROID Y	:	-.120	-.231	-.358
POA TO CENTROID in.	:	.682	.798	.772
MIN RADIUS	:	.251	.293	.169
MEAN RADIUS	:	.820	.763	.682
MAX RADIUS	:	1.296	1.196	1.123
HORIZONTAL SPREAD	:	1.833	1.833	1.833
VERTICAL SPREAD	:	1.839	1.742	1.246
EXTREME SPREAD	:	2.402	2.067	1.989
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.598

VS= 1.988

GS= 2.375

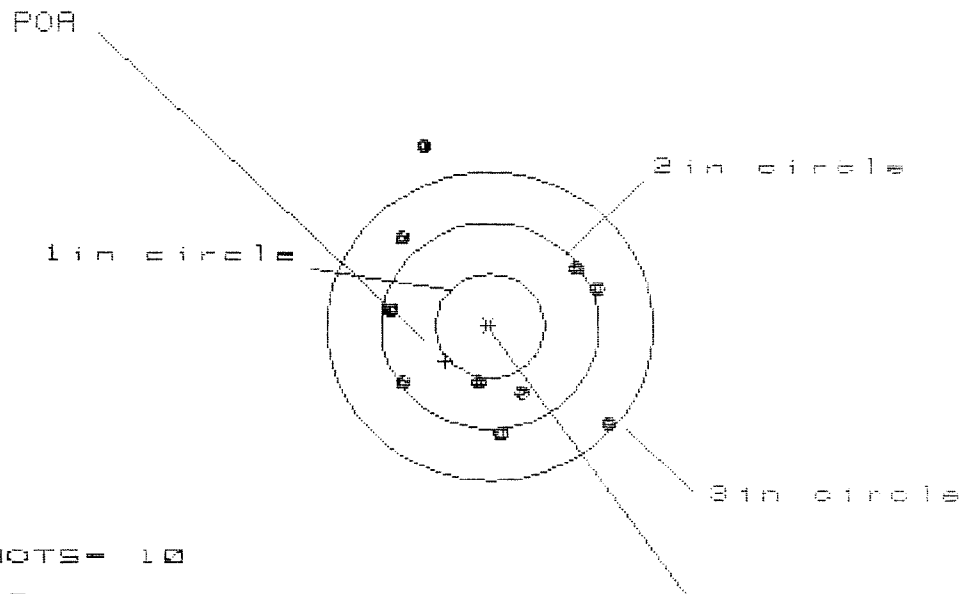
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.884	.793	.859
MINIMUM X	:	-.814	-.511	-.445
MAXIMUM Y	:	.912	.736	.625
MINIMUM Y	:	-1.076	-.975	-1.086
CENTROID X	:	-.315	-.224	-.290
CENTROID Y	:	.345	.244	.355
POA TO CENTROID in.	:	.467	.331	.458
MIN RADIUS	:	.357	.473	.367
MEAN RADIUS	:	.755	.718	.643
MAX RADIUS	:	1.222	1.101	1.173
HORIZONTAL SPREAD	:	1.698	1.304	1.304
VERTICAL SPREAD	:	1.988	1.711	1.711
EXTREME SPREAD	:	2.375	1.782	1.736
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 5

3 in = 9

HS= 2.024

VS= 2.806

GS= 3.194

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.140	1.071	1.066
MINIMUM X	:	-1.884	-1.953	-1.819
MAXIMUM Y	:	1.760	1.104	1.015
MINIMUM Y	:	-1.046	-1.851	-1.940
CENTROID X	:	.409	.478	.344
CENTROID Y	:	.341	.145	.234
POA TO CENTROID in.	:	.532	.499	.416
MIN RADIUS	:	.537	.390	.417
MEAN RADIUS	:	1.072	.945	.903
MAX RADIUS	:	1.864	1.437	1.284
HORIZONTAL SPREAD	:	2.024	2.024	1.885
VERTICAL SPREAD	:	2.806	1.955	1.955
EXTREME SPREAD	:	3.194	2.697	2.155
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	