

C6636076

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington

Remington®

MODEL 700™ H24

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

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

SERIAL NO.
C6636076

ORDER NO.
5716

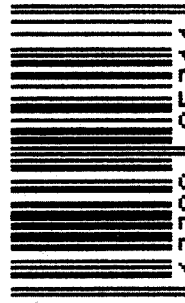
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6636076

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636076

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 8	91	RW
600	Proof	4 8	91	RW
607	Check Headspace	4 8	91	RW
610	Dis-assemble Gun	4 8	91	RW
612	Magnaflux Barrel Action		APR 9 1991	KR
	Magnaflux Bolt		APR 9 1991	lc
615	Rollmark Caliber		APR 9 1991	JS.
617	Drill and Tap Sight Holes		APR 19 1991	FB
618	Polish Barrel		APR 19 1991	WB
620	Apply Coatings (Barrel Action)		5-10-91	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/10/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/10/91	RW
	C) Inspect Ejector Hole for Chamfer		5/10/91	RW
	D) Oil Firing Pin Ass'y		5/10/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/17/91	DH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	6	6			5-18-91	AC
	G) Safety Off Force	4	4	4			5-18-91	AC
	H) Trigger Pull Test & Retainability						5-17-91	D/H
	I) Firing Pin Indent	.021	.020	.020			5-18-91	AC
	J) Assemble Stock						5/24/91	Re
	K) Assemble Swivel Studs						6-1-91	D/H
	L) Attach Front and Rear Sight Assemblies						5/24/91	Re
	M) Iron Sight Alignment						5/24/91	Re
	N) Detach Front & Rear Sights & place in numbered container						5/24/91	Re
	O) Attach Scope to Rifle						5/24/91	Re
	P) Detach & Attach Scope 20 Times						5/24/91	Re
640	Gallery Target & Test						5-28-91	AC
	A) Time						5-28-91	AC
	B) Malfunctions						5-28-91	AC
	C) Pierced Primers						5-28-91	AC
	D) Optical Clarity of Scope						5-28-91	AC
645	Inspect for Live Ammo						5-28-91	AC
655	Final Inspection							
	A) Headspace						6-1-91	D/H
	B) Trigger Pull	2.44	2.20	2.33	2.39	2.34	6-1-91	Re
	C) Function						6-1-91	D/H
660	Pack						6-20-91	N-

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6636076

DATE 5-17-91

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.38	2.56	2.44	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.18	2.35	2.20	
PULL #3	2.37	2.37	2.57	2.33	
PULL #4	2.18	2.35	2.54	2.39	
PULL #5	2.33	2.42	2.47	2.34	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.01		
PULL #2	2.98	3.05		
PULL #3	3.11	3.18		
PULL #4	3.13	2.98		
PULL #5	3.13	3.16		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.63	4.44		4.57
PULL #2	4.46	4.28		4.58
PULL #3	4.63	4.52		4.24
PULL #4	4.54	4.51		4.51
PULL #5	4.45	4.07		4.52
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636076
28 May 1991

CENTROIDAL DISTANCES

0 TO	1	.147665
1 TO	2	.32928
1 TO	3	.255807
1 TO	4	.673001
1 TO	5	.719495

$\bar{x}_2$ <----POA

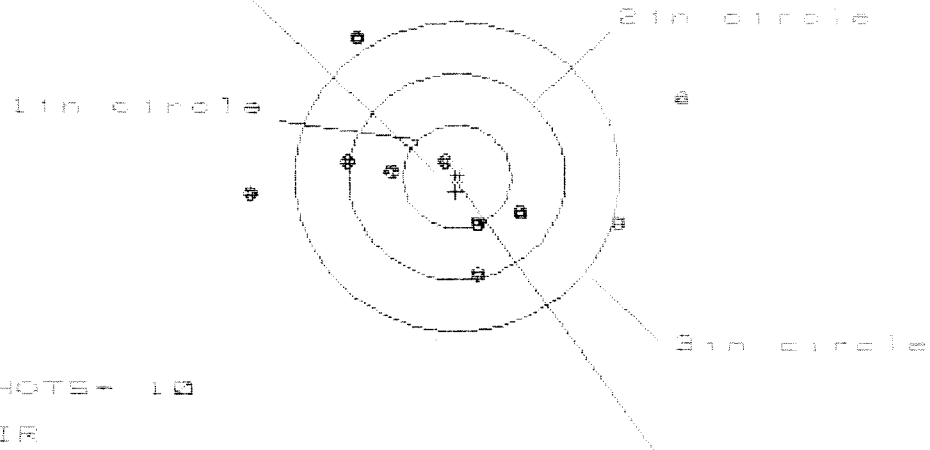
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.153
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1402
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .207521
THE AMR FOR THIS RIFLE IS: 1

28 May 1991

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CENTERFIRE PATTERNS # 1

FOR



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 6

HS= 4.001

VS= 2.296

GS= 4.088

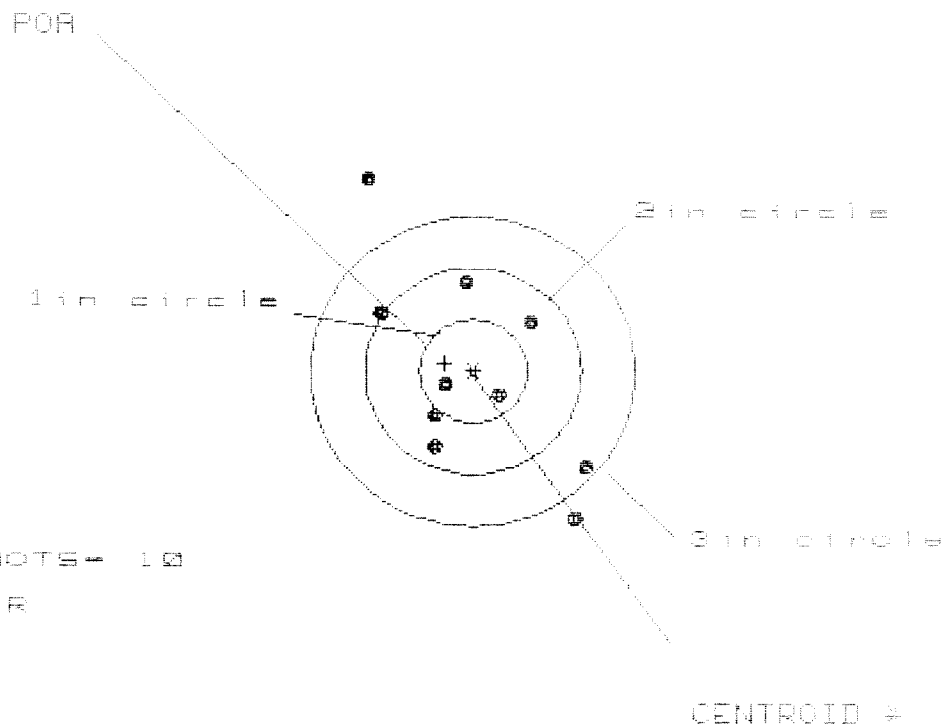
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.119	1.681	1.475
MINIMUM X	-1.888	-1.647	-1.978
MAXIMUM Y	1.384	1.383	1.377
MINIMUM Y	-1.992	-1.913	-1.919
CENTROID X	.014	-.231	-.015
CENTROID Y	.147	.068	.074
FOR TO CENTROID in.	.148	.231	.076
MIN RADIUS	.137	.248	.192
MEAN RADIUS	1.186	.962	.860
MAX RADIUS	2.235	1.717	1.627
HORIZONTAL SPREAD	4.001	3.328	2.445
VERTICAL SPREAD	2.296	2.296	2.296
EXTREME SPREAD	4.088	3.342	2.913
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	6		

28 May 1981

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 1.970

VS= 3.357

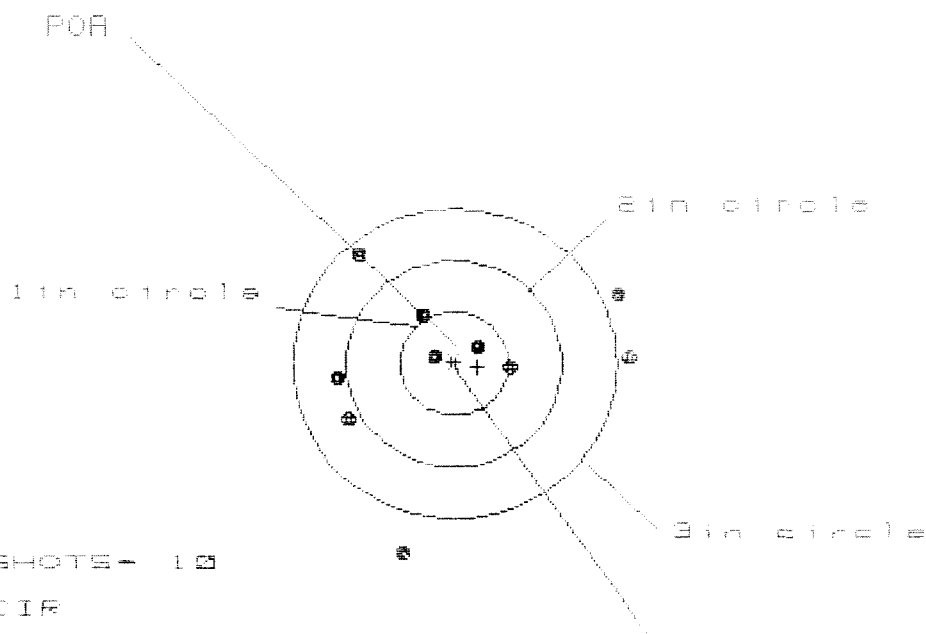
GS= 3.851

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.009
MINIMUM X	:	-0.961
MAXIMUM Y	:	1.918
MINIMUM Y	:	-1.439
CENTROID X	:	.259
CENTROID Y	:	-.073
FOR TO CENTROID in.	:	.270
MIN RADIUS	:	.299
MEAN RADIUS	:	.979
MAX RADIUS	:	2.146
HORIZONTAL SPREAD	:	1.970
VERTICAL SPREAD	:	3.357
EXTREME SPREAD	:	3.851
NUMBER IN ONE INCH CIRCLE	=	2
NUMBER IN TWO INCH CIRCLE	=	5
NUMBER IN THREE INCH CIRCLE	=	8

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 3

2in = 4

3in = 7

HS= 2.689

VS= 2.910

GS= 3.288

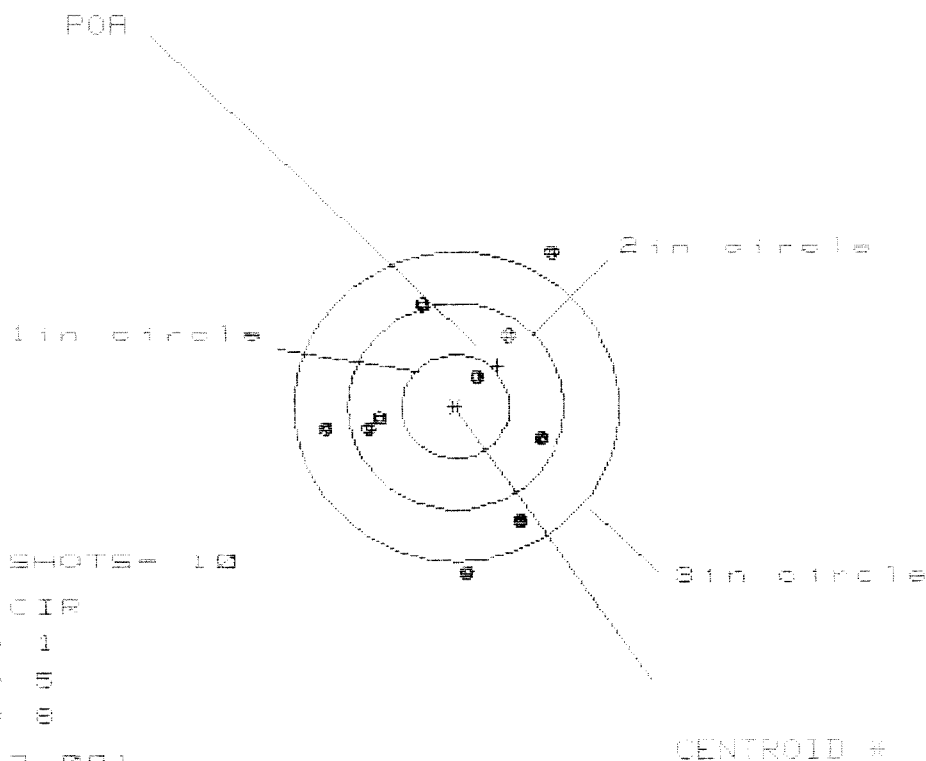
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.613	1.556	1.744
MINIMUM X	-1.076	-1.133	-.944
MAXIMUM Y	1.063	.958	.921
MINIMUM Y	-1.847	-.746	-.683
CENTROID X	-.215	-.158	-.347
CENTROID Y	.033	.238	.175
POA TO CENTROID in.	.217	.286	.388
MIN RADIUS	.290	.181	.111
MEAN RADIUS	1.037	.920	.811
MAX RADIUS	1.916	1.587	1.746
HORIZONTAL SPREAD	2.689	2.689	2.689
VERTICAL SPREAD	2.910	1.604	1.604
EXTREME SPREAD	3.288	2.825	2.699
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		7	

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.091

VS= 3.193

GS= 3.192

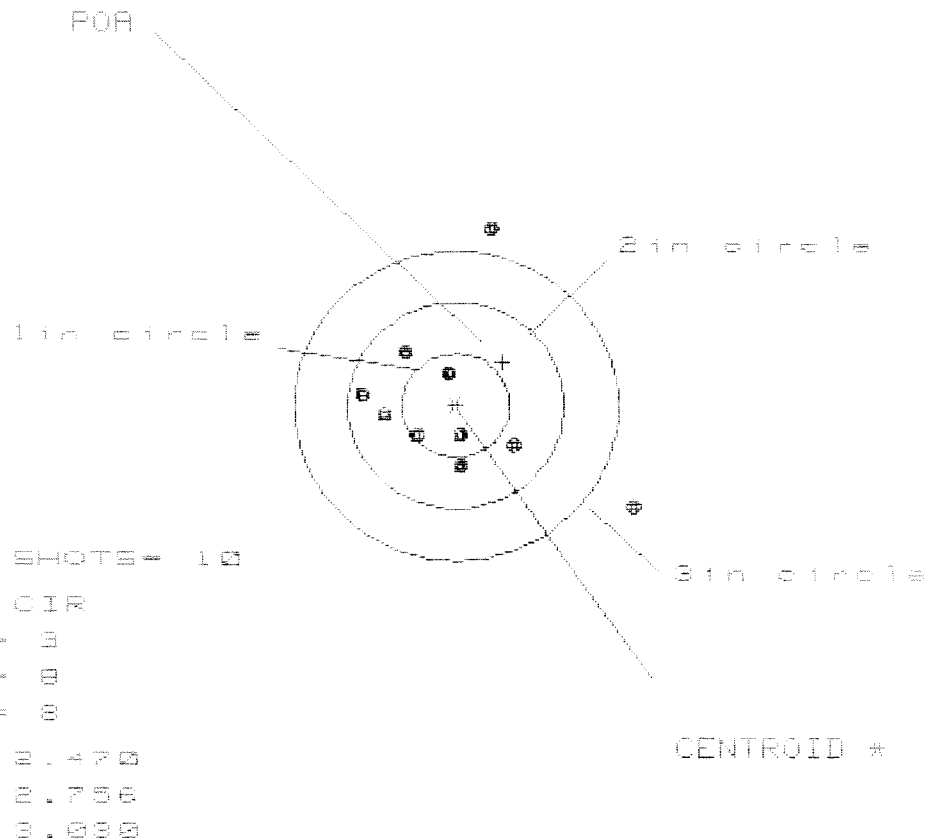
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.885	.916	.945
MINIMUM X	:	-1.206	-1.108	-1.079
MAXIMUM Y	:	1.519	1.262	1.025
MINIMUM Y	:	-1.584	-1.415	-1.160
CENTROID X	:	-.389	-.487	-.516
CENTROID Y	:	-.392	-.561	-.384
POA TO CENTROID in.	:	.552	.743	.643
MIN RADIUS	:	.341	.537	.410
MEAN RADIUS	:	1.057	.978	.893
MAX RADIUS	:	1.758	1.435	1.351
HORIZONTAL SPREAD	:	2.091	2.024	2.024
VERTICAL SPREAD	:	3.193	2.617	2.185
EXTREME SPREAD	:	3.192	2.657	2.359
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 5



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.593	.667	.731
MINIMUM X	:	-.877	-.700	-.636
MAXIMUM Y	:	1.756	1.645	.597
MINIMUM Y	:	-1.000	-.673	-.467
CENTROID X	:	-.434	-.611	-.674
CENTROID Y	:	-.416	-.305	-.511
FOR TO CENTROID in.	:	.601	.683	.846
MIN RADIUS	:	.317	.226	.235
MEAN RADIUS	:	.823	.682	.511
MAX RADIUS	:	1.880	1.723	.801
HORIZONTAL SPREAD	:	2.470	1.367	1.367
VERTICAL SPREAD	:	2.756	2.318	1.064
EXTREME SPREAD	:	3.030	2.342	1.452
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			8	