UPC
0 47700 25716 7
*INCLUDES 1 IN CHAMBER
C6649110

MODEL 700 TM M24

ORDER NO. 516

BARREL LENGTH

CAPACITY*

Remington

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

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

MODEL 700 TM M24

SERIAL NO. C6649110

20

ORDER NO. 5716

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

5716 C6649110

ORDER 5716
MODEL 700 TM M24
UPC

0 47700 25716 7

ORDER 5716
MODEL 700 TM M24
UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649110

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 25	9 1	RW
600	Proof	6 25	9 1	RW
607	Check Headspace	6 25	9 1	RW
610	Dis-assemble Gun	6 25	9 1	RW
612	Magnaflux Barrel Action	JUL	1 1991	KR
	Magnaflux Bolt	JUL	1 1991	KR
615	Rollmark Caliber	JUL	1 1991	GS
617	Drill and Tap Sight Holes	JUL	1 1991	CB
618	Polish Barrel	JUL	2 1991	CB
620	Apply Coatings (Barrel Action)		7-27-91	AB
	Apply Coating (Bolt)		7-27-91	AB
625	Final Assembly A) Clean inside of Bolt Assembly		8/28/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/28/91	RW
	C) Inspect Ejector Hole for Chamfer		8/28/91	RW
	D) Oil Firing Pin Ass'y		8/28/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9-6-91	DH

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op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5½	5			9-6-91	DH
	G) Safety Off Force	2½	2½	2½			9-6-91	DH
	H) Trigger Pull Test & Retainability						9-6-91	DH
	I) Firing Pin Indent	.023	.022	.022			9-6-91	DH
	J) Assemble Stock						9/6/91	RW
	K) Assemble Swivel Studs						9-12-91	DH
	L) Attach Front and Rear Sight Assemblies						9/6/91	RW
	M) Iron Sight Alignment						9/6/91	RW
	N) Detach Front & Rear Sights & place in numbered container						9/6/91	RW
	O) Attach Scope to Rifle						9/6/91	RW
	P) Detach & Attach Scope 20 Times						9/6/91	RW
640	Gallery Target & Test						9-9-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clearity of Scope						"	AF
645	Inspect for Live Ammo						9-9-91	AF
655	Final Inspection A) Headspace						9-12-91	DH
	B) Trigger Pull	2.13	2.13	2.17	2.19	2.15	9-11-91	DH
	C) Function						9-12-91	DH
660	Pack						12-11-91	AF

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SWS TRIGGER PULL TEST

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

SERIAL NO. CC649110

DATE 9-6-91

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.09	2.59	2.13	MIN. SETTING,
PULL #2	2.39	2.07	2.28	2.13	NO AVG. OF 5
PULL #3	2.28	2.06	2.56	2.17	READINGS ACCEPT-
PULL #4	2.27	2.10	2.61	2.19	ABLE LESS THAN 2#
PULL #5	2.20	2.11	2.61	2.15	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.22		
PULL #2	3.31	3.22		
PULL #3	3.12	3.18		
PULL #4	3.19	3.22		
PULL #5	3.25	3.17		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.65	4.52		4.23
PULL #2	4.69	4.47		4.00
PULL #3	4.46	4.47		4.27
PULL #4	4.46	4.47		4.29
PULL #5	4.51	4.45		4.04
TOTAL				
AVG.				

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CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649110
9 Sep 1991

CENTROIDAL DISTANCES

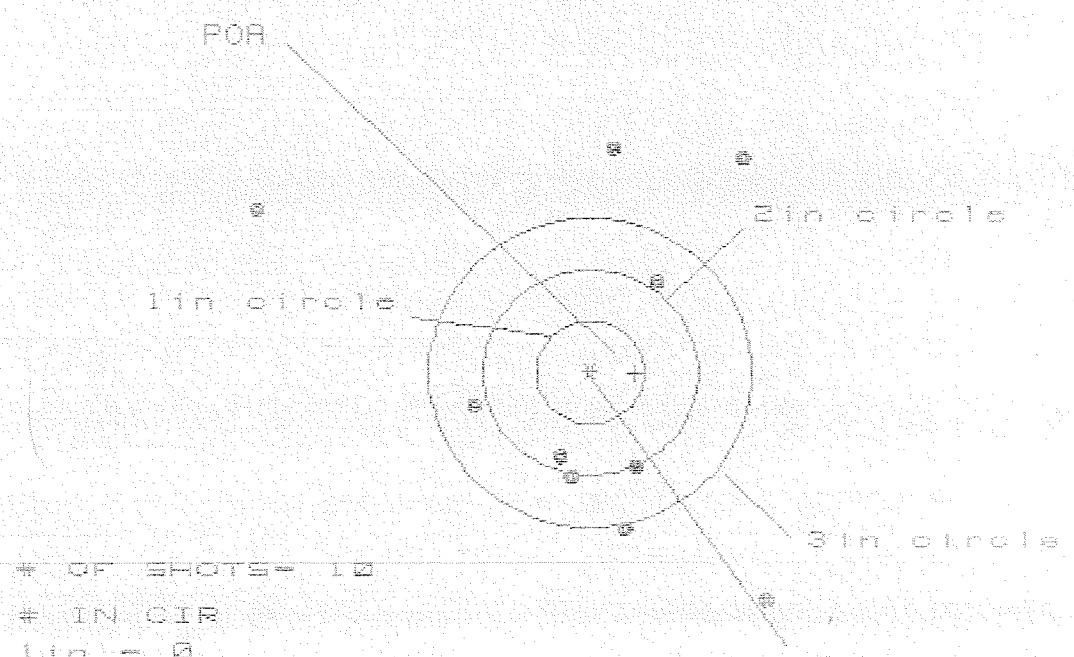
0	TO	1	.420201
1	TO	2	.305459
1	TO	3	.436033
1	TO	4	.28329
1	TO	5	.434166

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.14
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0868
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .164725

THE AMR FOR THIS RIFLE IS: 1.003

5 Sep 1991 FILE:/PATTERNING/CENTERFIRE_PATT/C8B45110

CENTERFIRE PATTERNS # 1

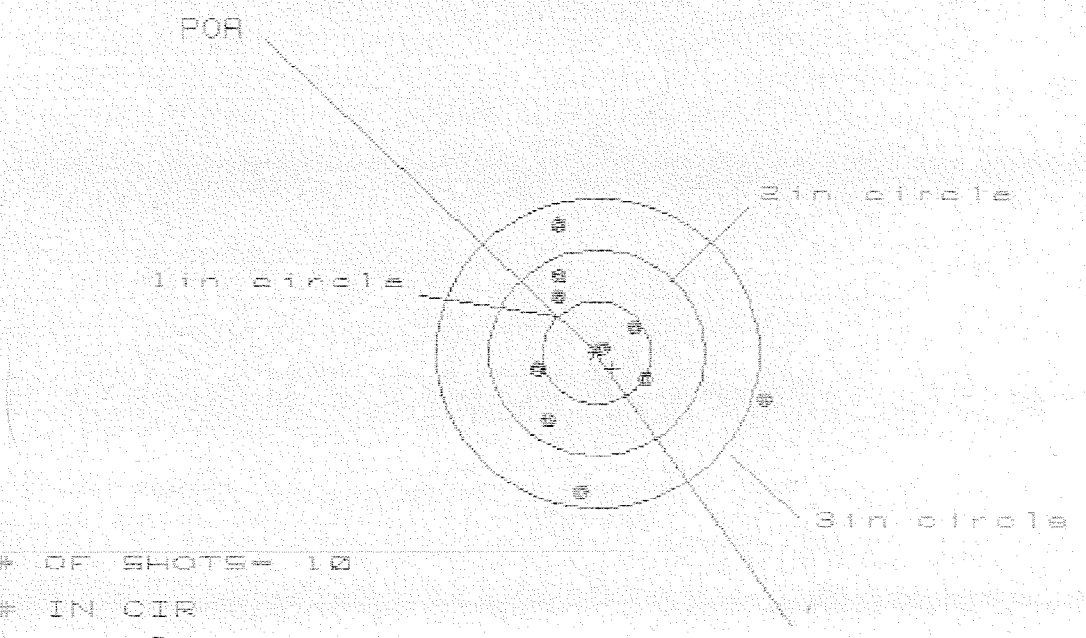


# OF SHOTS= 10
# IN CIR
1in = 0
2in = 1
3in = 5
HS= 4.533
VS= 4.420
GS= 6.019

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.588	1.250	1.222
MINIMUM X	:	-3.044	-1.425	-1.269
MAXIMUM Y	:	2.199	2.380	2.125
MINIMUM Y	:	-2.221	-2.040	-1.552
CENTROID X	:	-.420	-.082	-.233
CENTROID Y	:	.013	-.168	.087
POA TO CENTROID in.	:	.420	.187	.253
MIN RADIUS	:	.814	.774	.824
MEAN RADIUS	:	1.755	1.527	1.436
MAX RADIUS	:	3.450	2.535	2.382
HORIZONTAL SPREAD	:	4.632	2.675	2.491
VERTICAL SPREAD	:	4.420	4.420	3.677
EXTREME SPREAD	:	6.019	4.615	3.771
CENTER IN ONE INCH CIRCLE	=		0	
CENTER IN TWO INCH CIRCLE	=		1	
CENTER IN THREE INCH CIRCLE	=		5	

9 Sep 1991 FILE:/PATTERNING/CENTERFIRE_PATT/C6B48110

CENTERFIRE PATTERNS # 2

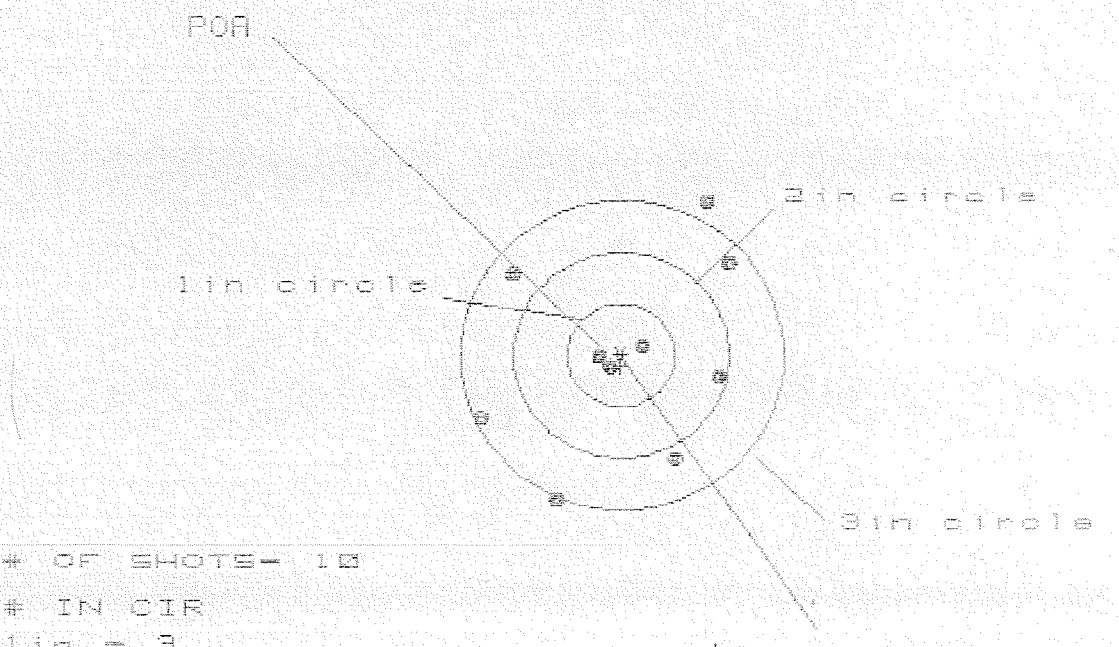


# OF SHOTS=	10
# IN CIR	
1in =	2
2in =	7
3in =	9
HS=	2.103
VS=	2.547
GS=	2.556

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.520	.631	.631
MINIMUM X	-.583	-.415	-.415
MAXIMUM Y	1.225	1.179	1.008
MINIMUM Y	-1.321	-1.368	-.871
CENTROID X	-.148	-.316	-.316
CENTROID Y	.152	.199	.370
POA TO CENTROID in.	.212	.374	.487
MIN RADIUS	.065	.227	.293
MEAN RADIUS	.810	.725	.632
MAX RADIUS	1.577	1.368	1.031
HORIZONTPL SPREAD	2.103	1.046	1.046
VERTICAL SPREAD	2.547	2.547	1.879
EXTREME SPREAD	2.556	2.556	1.880
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

9 Sep 1991 FILE:/PATTERNING/CENTERFIRE_PATT/C6649110

CENTERFIRE PATTERNS # 3

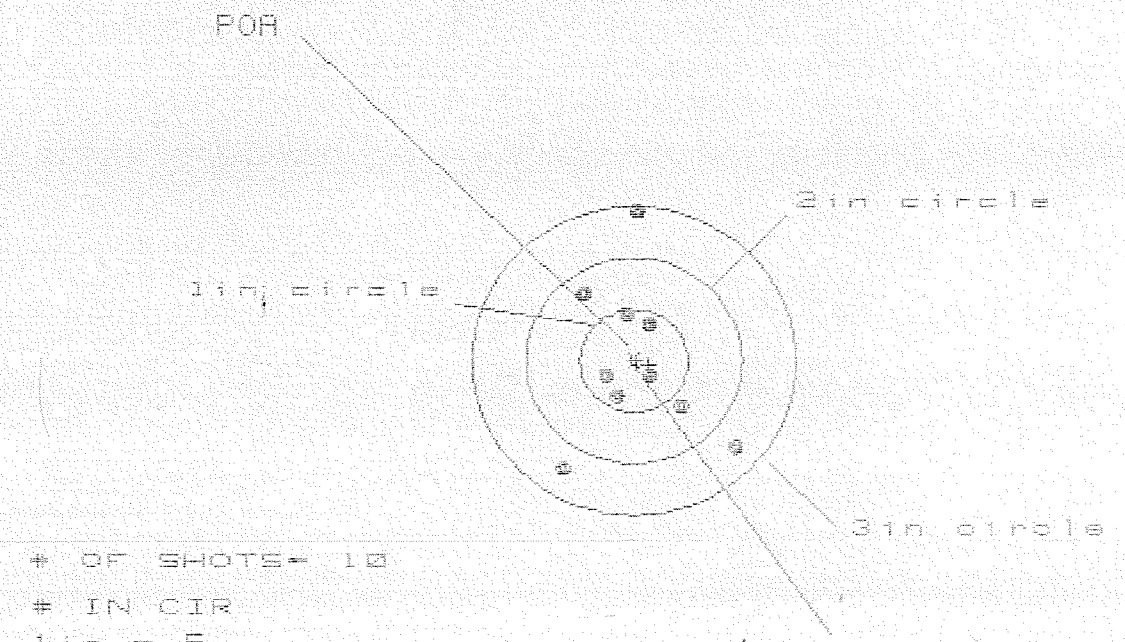


# OF SHOTS= 10
# IN CIR
1in = 3
2in = 4
3in = 9
HS= 2.318
VS= 2.877
GS= 3.191

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.970	1.057	.900
MINIMUM X	:	-1.348	-1.261	-1.032
MAXIMUM Y	:	1.503	1.045	.985
MINIMUM Y	:	-1.374	-1.207	-1.267
CENTROID X	:	.006	-.081	.076
CENTROID Y	:	.106	-.061	-.001
POA TO CENTROID in.	:	.106	.102	.076
MIN RADIUS	:	.200	.058	.213
MEAN RADIUS	:	.987	.898	.838
MAX RADIUS	:	1.698	1.497	1.430
HORIZONTAL SPREAD	:	2.318	2.318	1.932
VERTICAL SPREAD	:	2.877	2.252	2.252
EXTREME SPREAD	:	3.191	2.776	2.741
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

9 Sep 1991 FILE:/PATTERNING/CENTERFIRE_PATT/C6845110

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

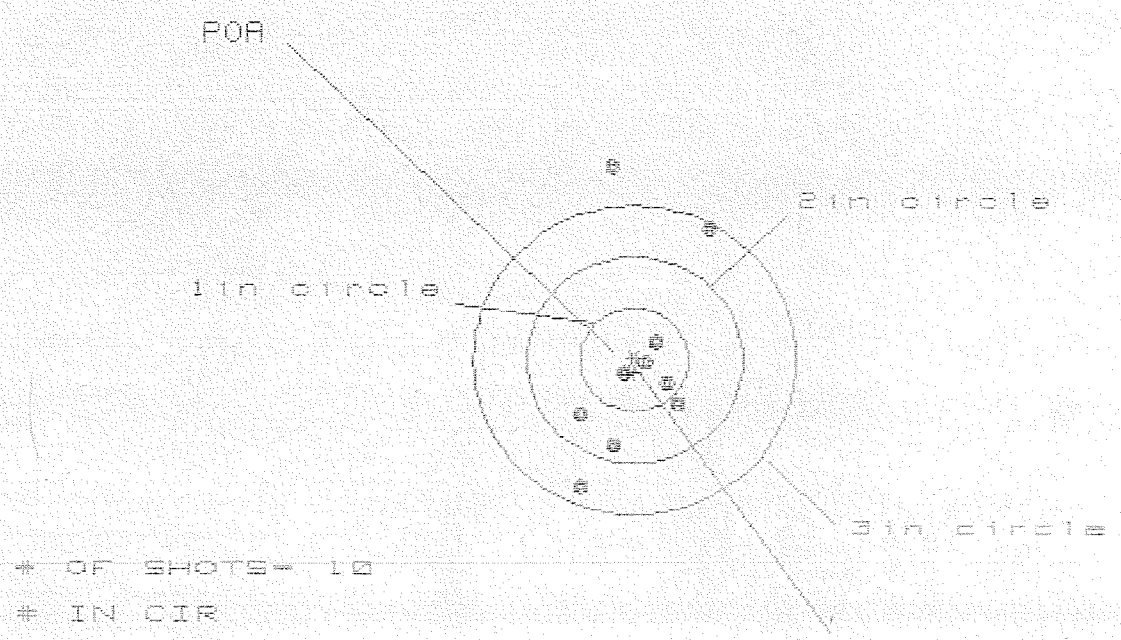
# IN CIR
1in = 5
2in = 7
3in = 10

HS= 1.579
VS= 2.460
GS= 2.553

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.924	.927	.524
MINIMUM X	-.655	-.652	-.537
MAXIMUM Y	1.413	.837	.746
MINIMUM Y	-1.047	-.890	-.981
CENTROID X	-.138	-.141	-.256
CENTROID Y	.040	-.117	-.026
POA TO CENTROID in.	.143	.183	.258
MIN RADIUS	.160	.097	.127
MEAN RADIUS	.698	.608	.529
MAX RADIUS	1.413	1.177	1.118
HORIZONTAL SPREAD	1.579	1.579	1.061
VERTICAL SPREAD	2.460	1.727	1.727
EXTREME SPREAD	2.553	2.065	1.742
NUMBER IN ONE INCH CIRCLE =		5	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

9 Sep 1991 FILE:/PATTERNING/CENTERFIRE_PATT/C6649110

CENTERFIRE PATTERNS # 5



\# OF SHOTS= 10

\# IN CIR
1in = 4
2in = 7
3in = 9

HS= 1.238
VS= 3.069
GS= 3.085

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.691	.666	.420
MINIMUM X	:	-.547	-.572	-.489
MAXIMUM Y	:	1.809	1.511	.532
MINIMUM Y	:	-1.179	-.970	-.791
CENTROID X	:	-.000	.025	-.050
CENTROID Y	:	.123	-.087	-.276
POA TO CENTROID in.	:	.123	.091	.282
MIN RADIUS	:	.063	.188	.328
MEAN RADIUS	:	.764	.611	.495
MAX RADIUS	:	1.904	1.652	.921
HORIZONTAL SPREAD	:	1.238	1.238	.909
VERTICAL SPREAD	:	3.069	2.481	1.313
EXTREME SPREAD	:	3.085	2.773	1.496
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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