



**AF, AG, AND AJ TYPES**  
**(WIRE-SPRING TYPES)**  
**REQUIREMENTS AND ADJUSTING PROCEDURES**  
**(FOR CONDENSED SECTION, SEE 040-930-701)**

**1. GENERAL**

**1.001** This addendum supplements Section 040-502-701, Issue 8. The attached pages must be inserted in the section in accordance with the filing instructions above.

**1.002** This addendum is issued to revise Table A. Contact positions 6 for spring combinations 246 and 247 are to be changed from EMB to EBM. Spring combination figure numbers 501 and 500 are to be transposed. Figure number 500 should head the column of M's and 501 should head the column of B's.

**ATTACHED:**

Page 13, dated May 1970, reissued  
Page 14, dated May 1970, revised  
Page 17, dated May 1970, reissued  
Page 18, dated May 1970, revised

**2. REQUIREMENTS**

The following change applies to Part 2 of this section:

(a) Table A—revised

TABLE A — SPRING COMBINATION FIGURE NUMBERS AND CONTACT POSITIONS (Cont)

CONTACT POSITIONS	SPRING COMBINATION FIGURE NUMBERS									
	210	211	212	213	214	215	216	217	218	219
12	M	—	EM	EM	EM	EM	—	EBM	—	EMB
11	—	—	M	—	—	—	—	—	—	M
10	M	—	EBM	M	M	M	—	EBM	M	M
9	—	—	—	B	—	—	—	—	—	BM
8	EBM	EBM	EBM	EBM	EBM	EBM	M	EBM	EBM	M
7	—	—	B	B	B	B	—	—	B	BM
6	EBM	EMB	EMB	EMB	EMB	EMB	EMB	EBM	EBM	EMB
5	—	—	—	B	—	B	—	—	—	BM
4	M	—	EBM	EBM	M	M	M	EBM	M	M
3	—	—	—	—	—	—	—	—	—	BM
2	M	—	M	M	M	M	—	EBM	—	M
1	—	—	M	—	—	M	—	—	—	M
12	EBM	EM	EM	EM	EMB	—	EMB	EBM	—	—
11	EBM	—	—	M	M	—	BM	M	—	—
10	EBM	M	M	M	EBM	M	EBM	EBM	M	—
9	EBM	—	—	—	—	—	M	M	B	B
8	EBM	EBM	EBM	EBM	EBM	EBM	EBM	EBM	EBM	M
7	EBM	—	B	B	B	—	—	B	B	B
6	EBM	EMB	EMB	EMB	EMB	EMB	EMB	EBM	EMB	EMB
5	EBM	—	—	—	—	—	M	M	B	B
4	EBM	M	M	M	EBM	M	EBM	EBM	M	M
3	EBM	—	—	M	M	—	BM	M	B	—
2	EBM	M	M	M	EBM	—	EBM	EBM	M	—
1	EBM	—	M	M	M	—	BM	M	—	—
12	M	M	—	—	EBM	EM	EM	—	—	EMB
11	M	M	—	—	EBM	M	—	—	EMB	—
10	EBM	EBM	M	M	EBM	M	M	M	—	EBM
9	B	M	—	—	EBM	M	B	—	EMB	—
8	EBM	EBM	M	EBM	EMB	EBM	EBM	EBM	—	EBM
7	B	B	—	B	—	M	B	—	BM	B
6	EBM	EBM	EMB	EBM	EMB	EMB	B	EBM	EBM	EMB
5	B	B	—	B	—	M	BM	—	BM	—
4	EBM	EBM	M	M	EBM	EBM	M	M	—	EBM
3	—	M	—	—	EBM	M	—	—	EMB	—
2	M	M	M	—	EBM	M	M	—	—	EBM
1	M	M	—	—	EBM	M	M	—	EMB	M

M — Make  
B — Break } See Reqt 2.11

BM — Break Make  
EM — Early Make  
EBM — Early Break Make  
EMB — Early Make Break } See Reqt 2.11 and 2.12

TABLE A — SPRING COMBINATION FIGURE NUMBERS AND CONTACT POSITIONS (Cont)

CONTACT POSITIONS	SPRING COMBINATION FIGURE NUMBERS									
	240	241	242	243	244	245	246	247	248	249
12	—	M	—	EM	EM	—	—	M	EM	EBM
11	—	M	—	M	M	—	—	M	—	EBM
10	EBM	EBM	—	M	M	EBM	—	M	M	EBM
9	—	M	—	—	M	B	—	—	—	EBM
8	EMB	EBM	M	EBM	EBM	EBM	EBM	EBM	M	EMB
7	—	—	B	B	B	B	B	B	B	EBM
6	EMB	EBM	EBM	EMB	EMB	EMB	EBM	EBM	EMB	EMB
5	EM	M	B	—	B	B	B	—	B	EMB
4	EB	EBM	M	EBM	M	EBM	M	EBM	M	EBM
3	—	M	—	—	M	B	—	M	—	EBM
2	—	M	—	M	M	M	—	M	M	EBM
1	—	M	—	M	M	—	—	M	—	EBM
12	EM	—	EMB	—	EBM	EM	—	EM	—	EBM
11	B	—	M	—	EBM	M	—	M	—	EBM
10	EBM	—	EBM	M	EBM	M	M	EBM	—	EBM
9	B	—	M	—	—	—	B	M	—	EBM
8	EBM	EBM	EBM	EBM	EMB	M	EBM	EBM	EMB	EM
7	B	B	—	—	—	B	B	—	—	—
6	EMB	EMB	EMB	EMB	EMB	EM	EMB	EMB	EMB	EMB
5	B	B	—	—	—	B	B	M	—	EM
4	EBM	—	EBM	EBM	EBM	M	EBM	EBM	M	EBM
3	B	—	M	—	—	M	B	M	—	EBM
2	M	—	EBM	—	EBM	M	—	EBM	—	EBM
1	M	—	M	—	EBM	M	—	M	—	EBM
12	—	M	M	M	—	EM	EM	—	M	M
11	—	M	M	M	—	B	M	—	M	—
10	—	M	EBM	EBM	M	EBM	M	M	M	M
9	EB	—	M	—	B	B	B	—	M	—
8	EMB	EBM	EMB	EBM	EBM	EBM	M	EBM	EBM	EMB
7	EB	B	—	B	B	B	B	—	—	—
6	EMB	EBM	EMB	EBM	EBM	EMB	EM	EBM	EBM	EMB
5	B	B	—	—	B	B	B	—	—	EM
4	M	M	EBM	EBM	M	EBM	M	EBM	EBM	—
3	—	M	M	—	—	B	—	—	M	—
2	—	M	EBM	M	—	EBM	M	—	M	M
1	—	M	M	M	—	—	M	—	M	—

M — Make  
B — Break } See Reqt 2.11

EB — Early Break  
EM — Early Make  
EBM — Early Break Make  
EMB — Early Make Break } See Reqt 2.11 and 2.12

TABLE A — SPRING COMBINATION FIGURE NUMBERS AND CONTACT POSITIONS (Cont)

CONTACT POSITIONS	SPRING COMBINATION FIGURE NUMBERS									
	330	331	332	333	334	335	336	337	338	339
12	EMB	M	M	M	—	—	EBM	EMB	M	EMB
11	M	—	M	EM	M	—	EMB	—	M	—
10	EBM	M	M	M	M	EBM	EBM	M	M	M
9	M	—	EB	EM	M	—	EMB	—	BM	—
8	EBM	EBM	EMB	M	B	EBM	EBM	EBM	EBM	—
7	M	EB	EB	EM	EBM	—	EMB	—	B	—
6	EM	EBM	EMB	M	B	EBM	EBM	EMB	—	—
5	M	EB	B	EM	EMB	—	EMB	B	BM	B
4	EBM	—	EBM	M	EBM	EBM	EBM	M	EBM	—
3	M	M	EBM	EM	M	—	EMB	—	M	BM
2	M	M	M	M	M	M	EBM	EBM	M	M
1	M	M	M	EM	M	—	EMB	—	M	M
	340	341	342	343	344	345	346	347		
12				EBM		M	EBM	EM		
11				M		—	EMB	—		
10				EBM		M	EBM	—		
9				M		—	EMB	—		
8				EBM		EBM	EBM	M		
7				M		—	B	—		
6				EBM		M	EBM	EMB		
5				M		B	BM	B		
4				EBM		M	EBM	—		
3				M		—	EMB	B		
2				EBM		M	EBM	M		
1				M		—	EMB	—		
	400	401	402	403	404	405	406	407	408	409
12	—	—	—	EM		—	EM	PBEM	—	—
11	—	—	—	—		—	—	—	—	—
10	M	EBM	EBM	EBM		EBM	EBM	—	EBM	M
9	—	PM	—	—		—	—	—	PMEB	—
8	EMB	—	—	EMB		—	EMB	EMB	EMB	EMB
7	B	—	—	B		—	B	—	BM	B
6	EBM	EBM	EBM	EBM		—	EBM	EBM	EBM	EBM
5	B	—	—	B		—	B	BM	BM	B
4	PM	PM	PM	PM		—	PM	—	PMEB	PM
3	—	M	—	—		—	B	B	BM	B
2	—	—	—	EM		PBEM	EM	EM	EM	—
1	—	—	—	—		—	—	B	—	—

M — Make	} See Reqt 2.11	PB — Preliminary Break	} See Reqt 2.11 and 2.12
B — Break		EBM — Early Break Make	
BM — Break Make	EMB — Early Make Break		
EB — Early Break	PBEM — Preliminary Break Early Make		
EM — Early Make	PMEB — Preliminary Make Early Break		
PM — Preliminary Make			

TABLE A — SPRING COMBINATION FIGURE NUMBERS AND CONTACT POSITIONS (Cont)

CONTACT POSITIONS	SPRING COMBINATION FIGURE NUMBERS									
	410	411	412	413	414	415	416	417	418	419
12	PB	—	PBEM	EM	PBEM	PBEM	—	PB	EM	—
11	M	BM	—	BM	BM	—	M	M	BM	M
10	M	EBM	—	M	EBM	EBM	EBM	EB	EBM	EBM
9	—	—	—	PMEB	PMEB	—	—	PM	—	—
8	EMB	EM	EMB	EMB	EMB	EMB	EMB	—	EM	EMB
7	—	B	—	B	BM	—	B	M	—	B
6	EBM	EBM	—	M	EBM	EBM	EBM	EBM	EBM	EBM
5	B	B	—	B	BM	—	B	M	—	B
4	—	PM	—	PMEB	PMEB	—	PM	—	PM	PMEB
3	—	B	—	M	BM	BM	—	M	BM	—
2	PBEM	EM	PBEM	PBEM	PBEM	PBEM	EM	PB	EM	PBEM
1	M	BM	—	M	BM	BM	M	M	M	M

12	420	421	422	423	424	425	426
	EM	—	EM	PB	—	EMPB	EBM
11	B	—	B	M	BM	—	EBM
10	M	M	M	EB	EBM	EBM	EBM
9	—	—	PMEB	PM	—	—	EBM
8	EM	EMB	EM	EM	EMB	EMB	EMB
7	B	B	B	M	B	—	PMEB
6	EBM	EBM	EBM	EBM	EBM	EBM	EMB
5	B	B	B	M	B	M	EMB
4	PM	PM	PM	—	PMEB	—	EBM
3	B	B	B	M	—	B	EBM
2	EM	EM	EM	PB	PBEM	—	EBM
1	B	—	B	M	M	M	EBM

CONTACT POSITIONS	SPRING COMBINATION FIGURE NUMBER	
	500	501
12 & 24	M	B
11 & 23	M	B
10 & 22	M	B
9 & 21	M	B
8 & 20	M	B
7 & 19	M	B
6 & 18	M	B
5 & 17	M	B
4 & 16	M	B
3 & 15	M	B
2 & 14	M	B
1 & 13	M	B

M — Make } See Reqt 2.11  
 B — Break }

BM — Break Make } See Reqt 2.11  
 EB — Early Break } and 2.12  
 EM — Early Make }  
 PM — Preliminary Make }

PB — Preliminary Break } See Reqt  
 EBM — Early Break Make } 2.11 and 2.12  
 EMB — Early Make Break }  
 PBEM — Preliminary Break }  
 Early Make }  
 PME B — Preliminary Make }  
 Early Break }